

# monitoring the future

occasional paper series

Paper 73

# DEMOGRAPHIC SUBGROUP TRENDS FOR VARIOUS LICIT AND ILLICIT DRUGS, 1975–2009

Lloyd D. Johnston Patrick M. O'Malley Jerald G. Bachman John E. Schulenberg

#### Monitoring the Future: A Continuing Study of the Lifestyle and Values of Youth

As its title suggests, this study is intended to assess the changing lifestyles, values, and preferences of American youth on a continuing basis. Each year since 1975, about 17,000 seniors have participated in the annual survey, which is conducted in some 130 high schools nationwide. Since 1991, the study's annual surveys also have included surveys of similar nationally representative samples of eighth and tenth grade students. In addition, subsamples of seniors from previously participating classes receive follow-up questionnaires by mail each year.

This Occasional Paper Series is intended to disseminate a variety of products from the study, including pre-publication (and somewhat more detailed) versions of journal articles, other substantive articles, and methodological papers.

A full listing of occasional papers and other study reports is available on the study's Web site, **www.monitoringthefuture.org**. The Web site contains a complete listing of all publications from the study, the abstracts or full text of many of these publications, and recent press releases.

The mailing address of Monitoring the Future is Institute for Social Research, The University of Michigan, P.O. Box 1248, Ann Arbor, MI 48106.

# Demographic Subgroup Trends for Various Licit and Illicit Drugs 1975–2009

Monitoring the Future Occasional Paper 73

Lloyd D. Johnston, Ph.D. Patrick M. O'Malley, Ph.D. Jerald G. Bachman, Ph.D. John E. Schulenberg, Ph.D.

The University of Michigan Institute for Social Research Ann Arbor, MI 2010 The project described was supported by Grant Number R01DA01411 from the National Institute on Drug Abuse. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institute on Drug Abuse or the National Institutes of Health.

#### Recommended Citation:

Johnston, L. D., O'Malley, P. M., Bachman, J. G., & Schulenberg, J. E. (2010). *Demographic subgroup trends for various licit and illicit drugs, 1975–2009* (Monitoring the Future Occasional Paper No. 73). Ann Arbor, MI: Institute for Social Research. Available: http://www.monitoringthefuture.org/

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#### INTRODUCTION

This occasional paper serves as a supplement to one of four annual monographs from the Monitoring the Future (MTF) study, written by the study's investigators and published by the study's sponsor, the National Institute on Drug Abuse. The full 2009 survey results are reported in *Monitoring the Future National Survey Results on Drug Use, 1975–2009: Volume I, Secondary School Students.* That monograph contains a description of MTF's design and purposes, as well as extended reporting on substance use of all kinds and a number of related factors such as attitudes and beliefs about drugs, age of initiation, noncontinuation of drug use, relevant conditions in the social environment, history of daily marijuana use, and use of drugs for the treatment of ADHD.

Appendix D of *Volume I* contains tabular data on trends in drug use for various demographic subgroups for each of the many drugs under study. The present occasional paper presents those subgroup trends in *graphic* form, because graphic presentations are much easier to comprehend. (Showing the trends in color greatly facilitates the differentiation of the various trend lines in each graph.) The graphic presentations have not been included in *Volume I* due both to their length and the cost of printing them in color.

The demographic subgroups covered are based on:

- Gender
- College plans
- Region of the country
- Population density
- Education level of the parents (a proxy for socioeconomic level)
- Racial/ethnic identification

Trend data are presented for 12th-grade respondents beginning with 1975, the first year in which a nationally representative sample of high school seniors was surveyed. Trend data for 8th and 10th grades are presented beginning with 1991, when those grade levels were added to the study design. The numerical information upon which these graphics are based is contained in the relevant appendix D tables of *Volume I*. Detailed definitions of the demographic categories are given in appendix B of that volume. For the reader's convenience, both appendix B and appendix D have also been included in this occasional paper. A note to the reader: The table of contents of this occasional paper contains links to all graphics in the paper and provides a very convenient way to locate the drug and subgroups in which you have an interest.

<sup>&</sup>lt;sup>1</sup>Johnston, L. D., O'Malley, P. M., Bachman, J. G., & Schulenberg, J. E. (2010). *Monitoring the Future national survey results on drug use,* 1975–2009. *Volume I: Secondary school students* (NIH Publication No. 10-7584). Bethesda, MD: National Institute on Drug Abuse. (Available online at www.monitoringthefuture.org. Look under "Publications," and then under "Monographs.")

FIGURE 1
Any Illicit Drug: Trends in Annual Prevalence by Gender

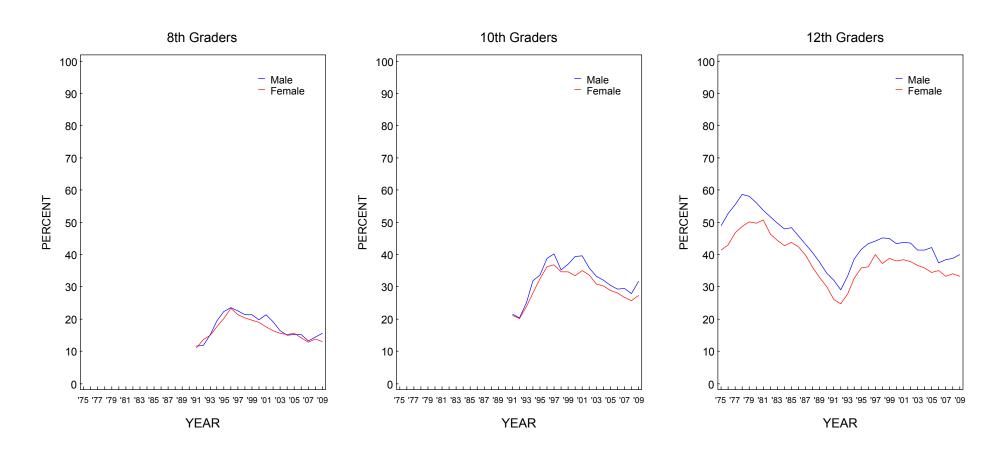


FIGURE 2
Any Illicit Drug: Trends in Annual Prevalence by College Plans

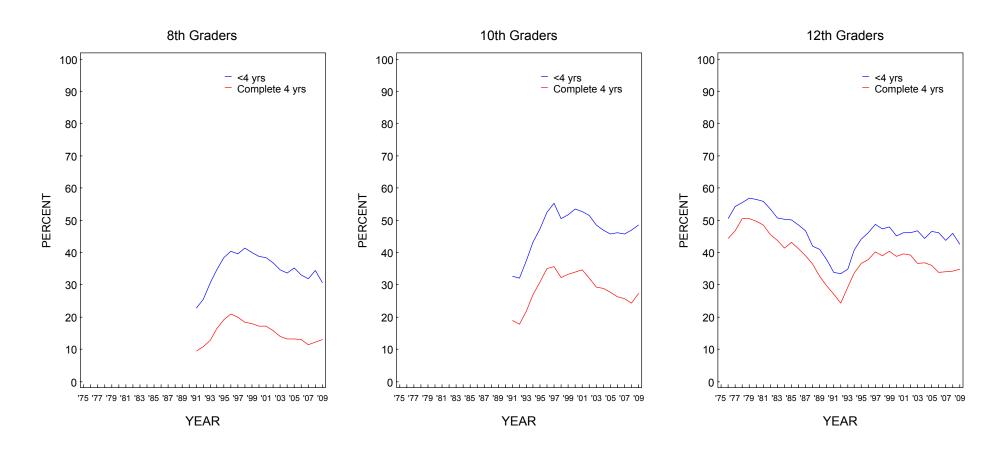


FIGURE 3
Any Illicit Drug: Trends in Annual Prevalence by Region

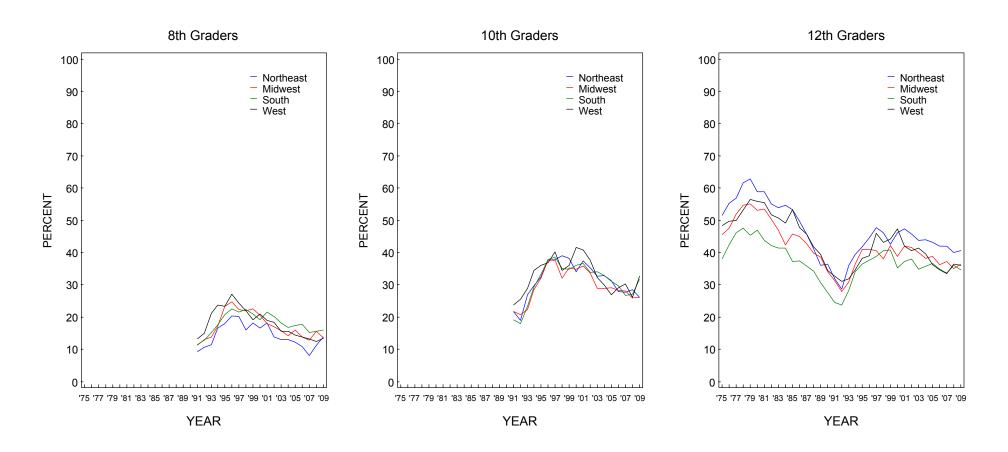


FIGURE 4
Any Illicit Drug: Trends in Annual Prevalence by Population Density

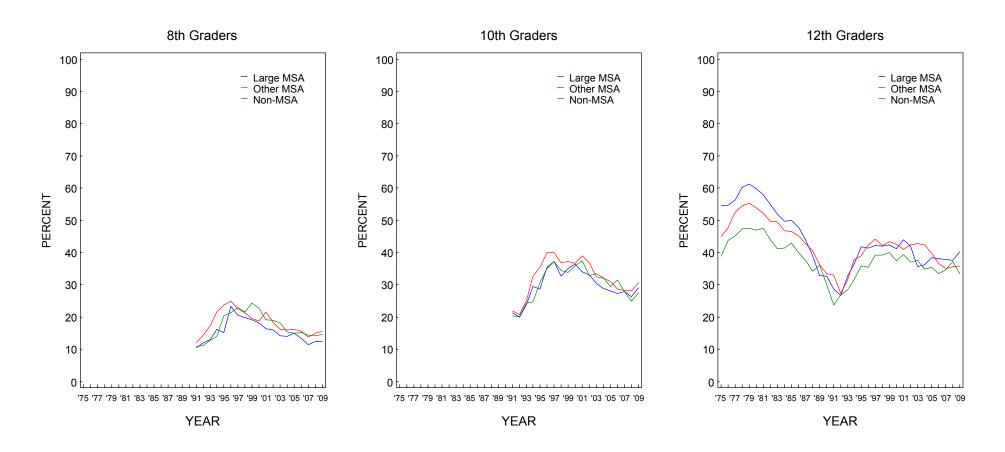


FIGURE 5
Any Illicit Drug: Trends in Annual Prevalence by Average Education Level of Parents

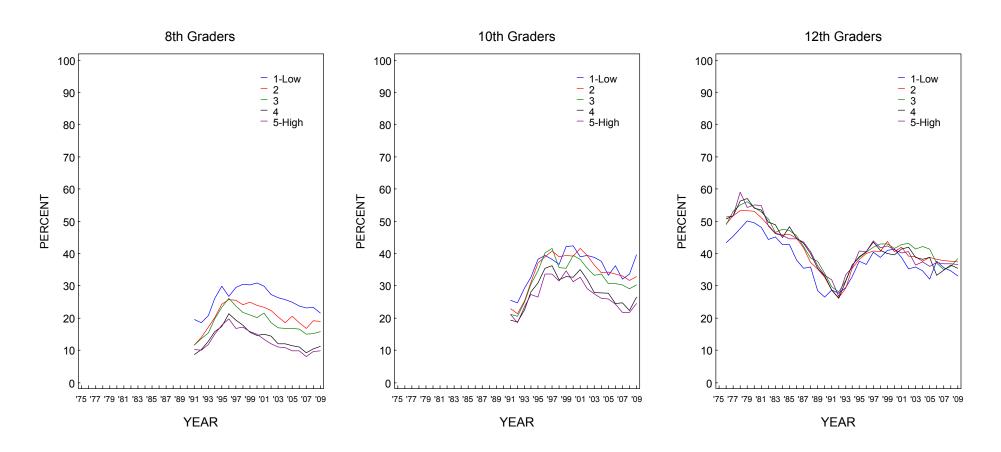
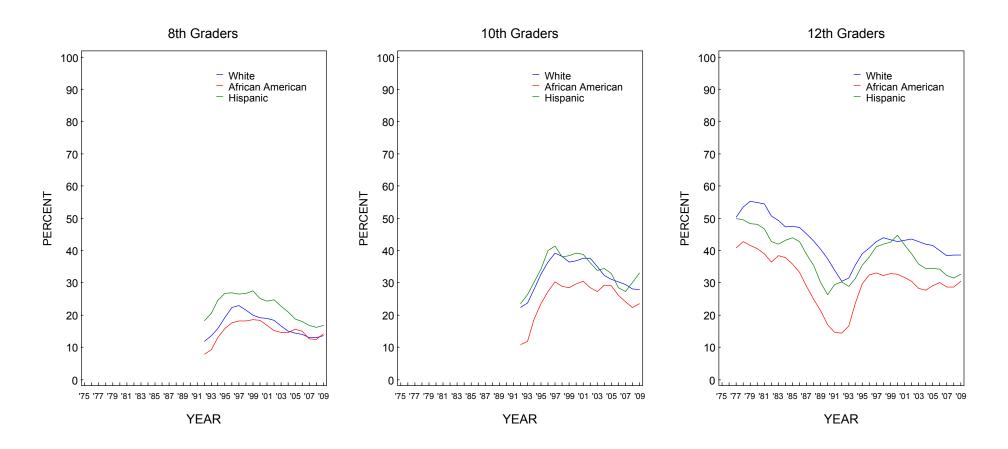


FIGURE 6
Any Illicit Drug: Trends in Annual Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 7
Any Illicit Drug other than Marijuana:\* Trends in Annual Prevalence by Gender

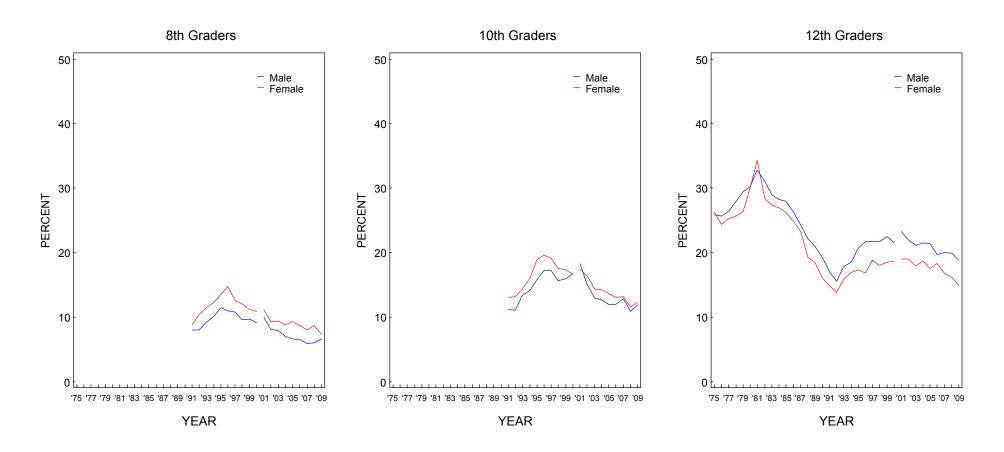


FIGURE 8
Any Illicit Drug other than Marijuana:\* Trends in Annual Prevalence by College Plans

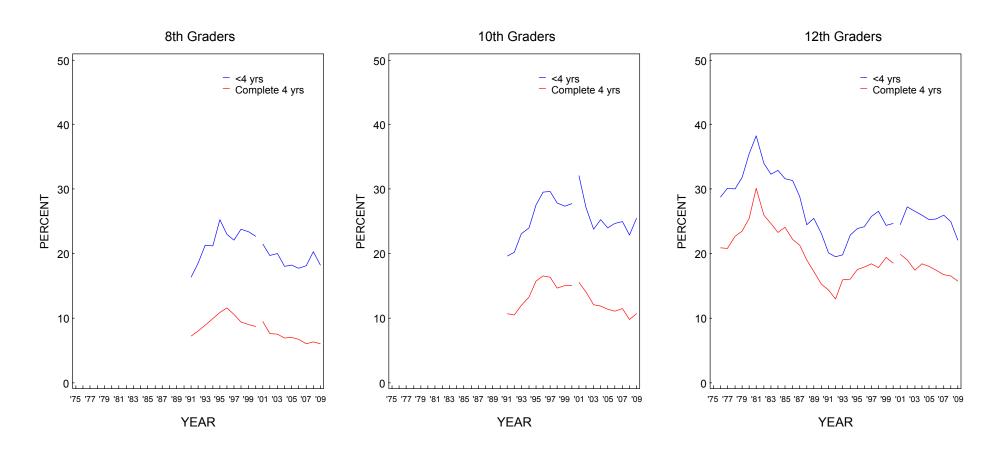


FIGURE 9
Any Illicit Drug other than Marijuana:\* Trends in Annual Prevalence by Region

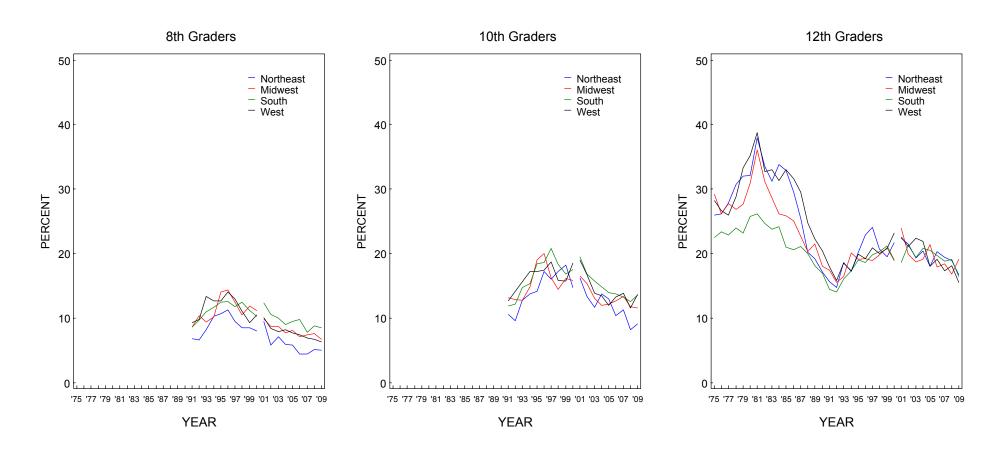


FIGURE 10
Any Illicit Drug other than Marijuana:\* Trends in Annual Prevalence by Population Density

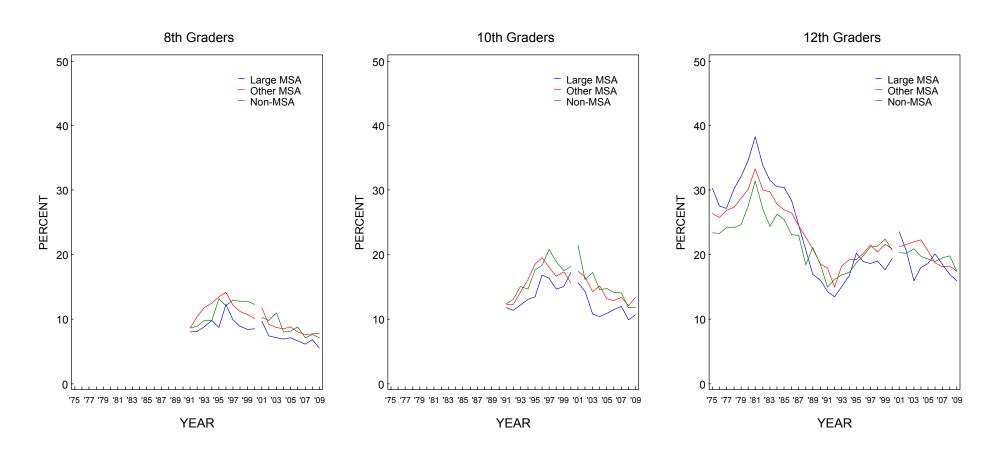
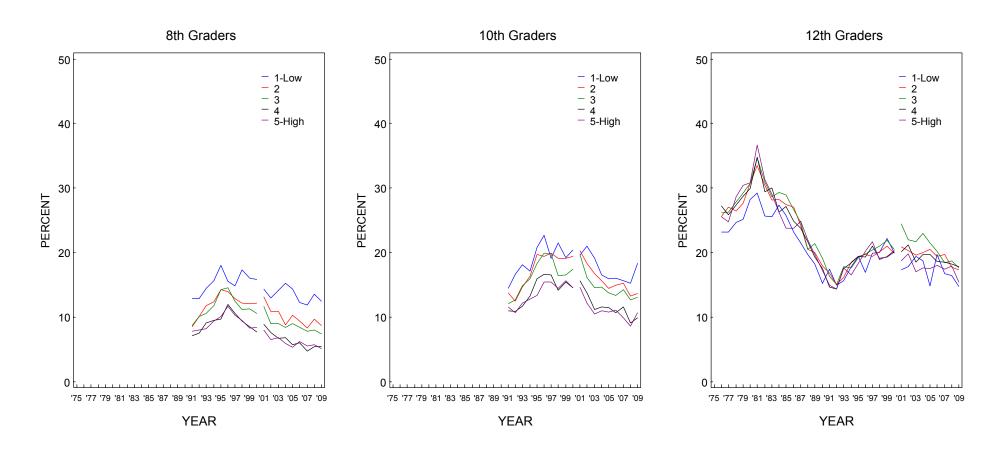
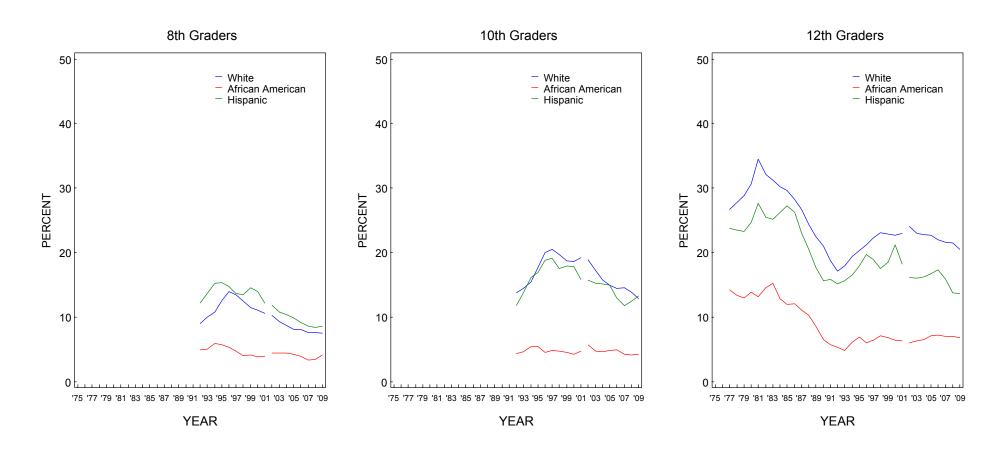


FIGURE 11
Any Illicit Drug other than Marijuana:\* Trends in Annual Prevalence by Average Education Level of Parents



<sup>\*</sup>Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Data for "any illicit drug other than marijuana" are affected by these changes. Refer to corresponding tables for further details.

FIGURE 12
Any Illicit Drug other than Marijuana:\* Trends in Annual Prevalence by Race/Ethnicity\*\*



<sup>\*</sup>Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Data for "any illicit drug other than marijuana" are affected by these changes. Refer to corresponding tables for further details.

<sup>\*\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 13 Marijuana: Trends in Annual Prevalence by Gender

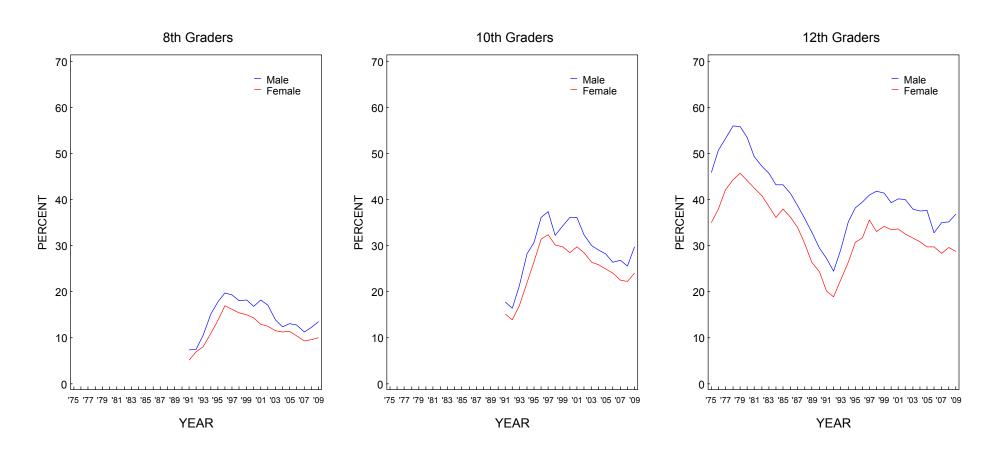


FIGURE 14
Marijuana: Trends in Annual Prevalence by College Plans

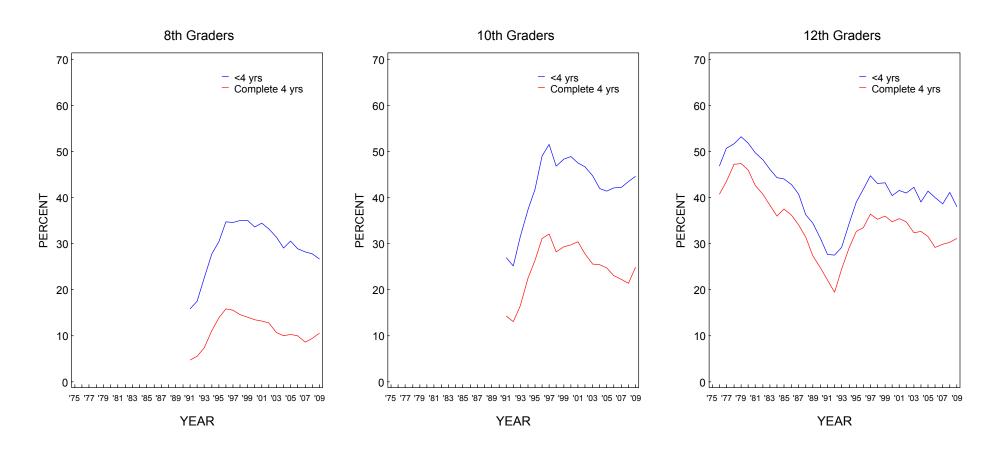


FIGURE 15
Marijuana: Trends in Annual Prevalence by Region

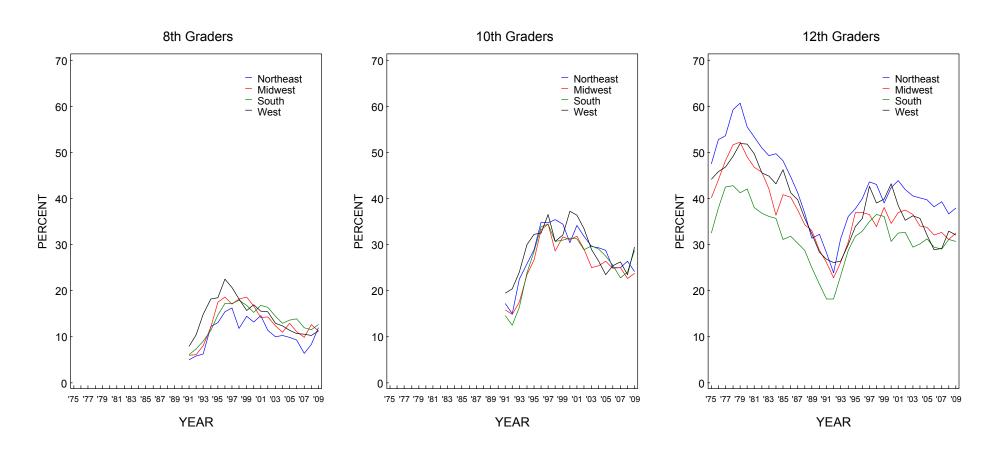


FIGURE 16
Marijuana: Trends in Annual Prevalence by Population Density

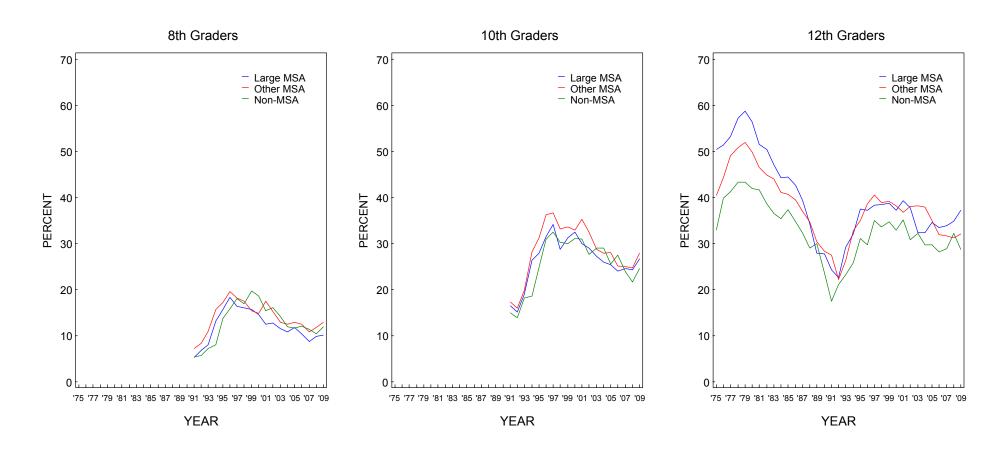


FIGURE 17
Marijuana: Trends in Annual Prevalence by Average Education Level of Parents

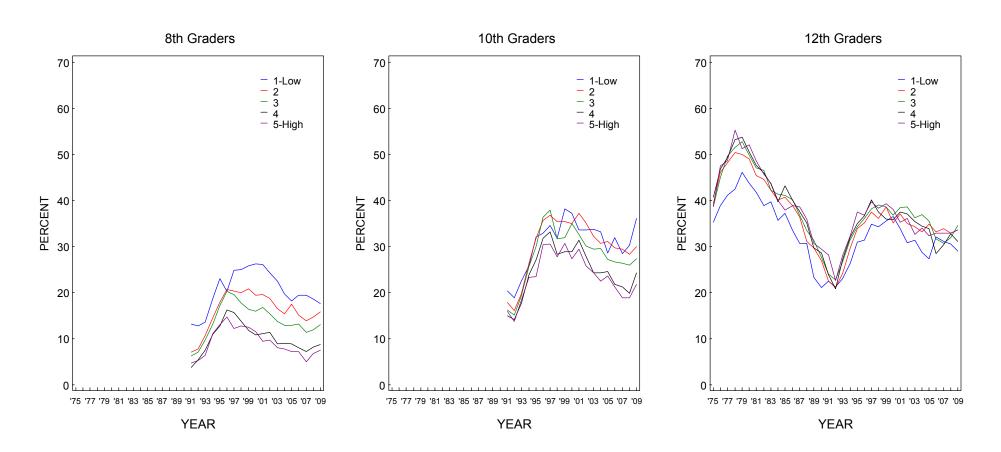
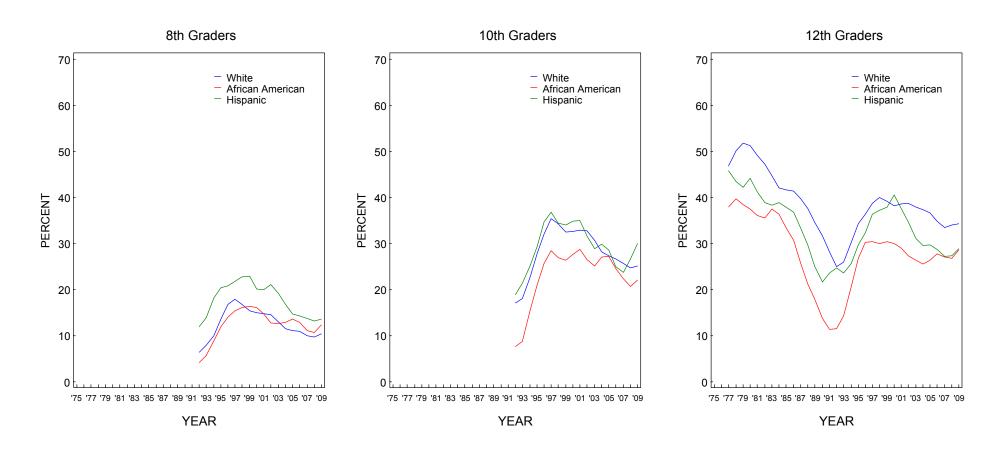


FIGURE 18
Marijuana: Trends in Annual Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 19
Inhalants: Trends in Annual Prevalence by Gender

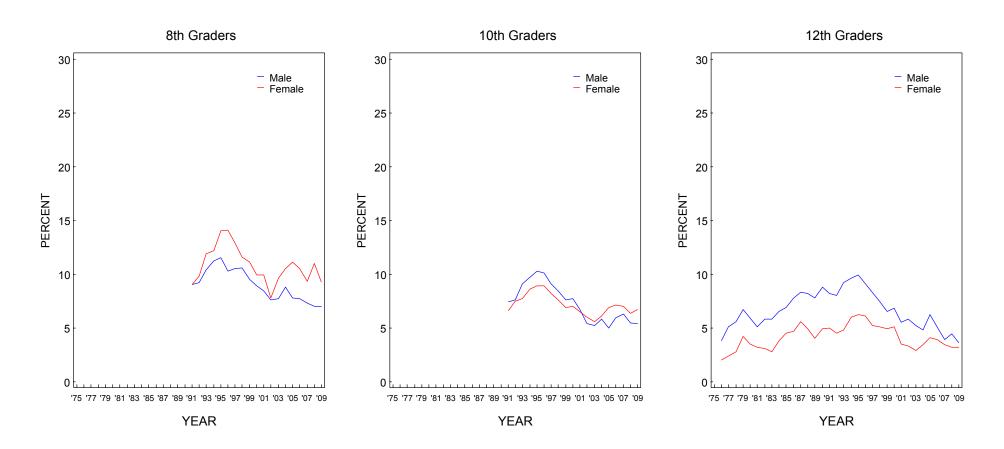


FIGURE 20 Inhalants: Trends in Annual Prevalence by College Plans

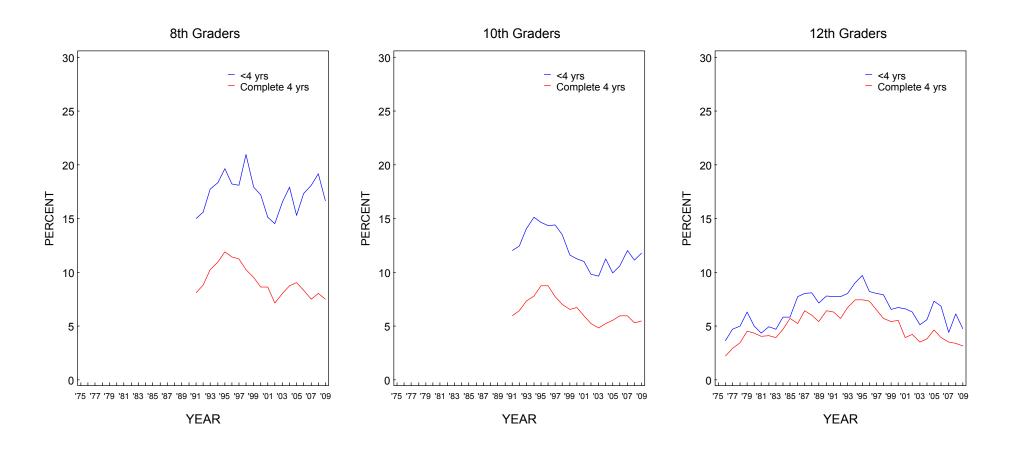


FIGURE 21
Inhalants: Trends in Annual Prevalence by Region

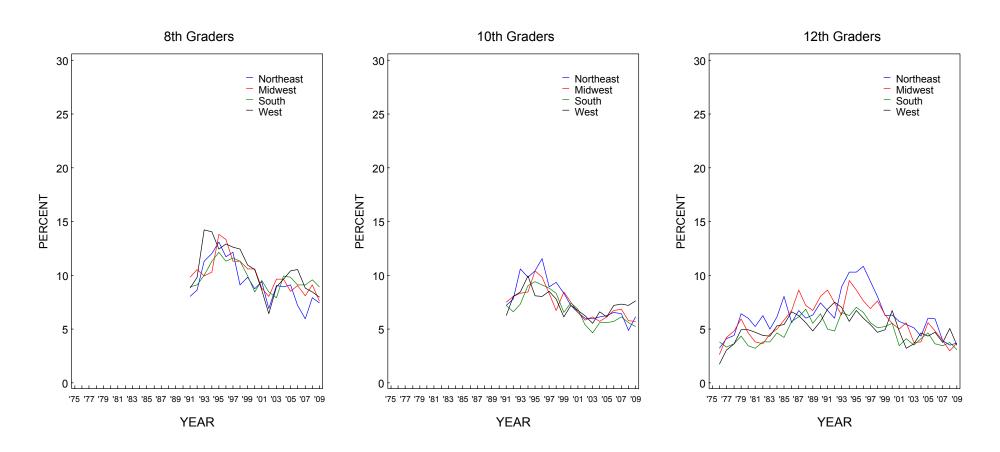


FIGURE 22
Inhalants: Trends in Annual Prevalence by Population Density

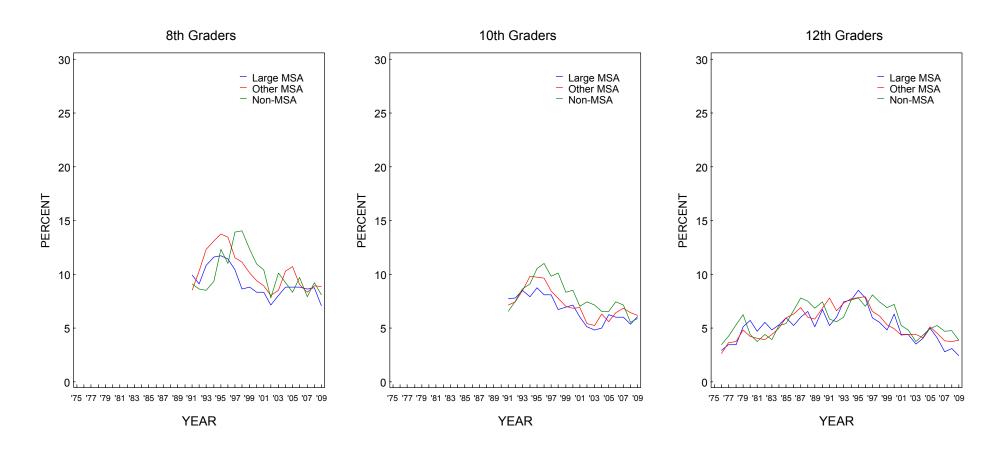


FIGURE 23
Inhalants: Trends in Annual Prevalence by Average Education Level of Parents

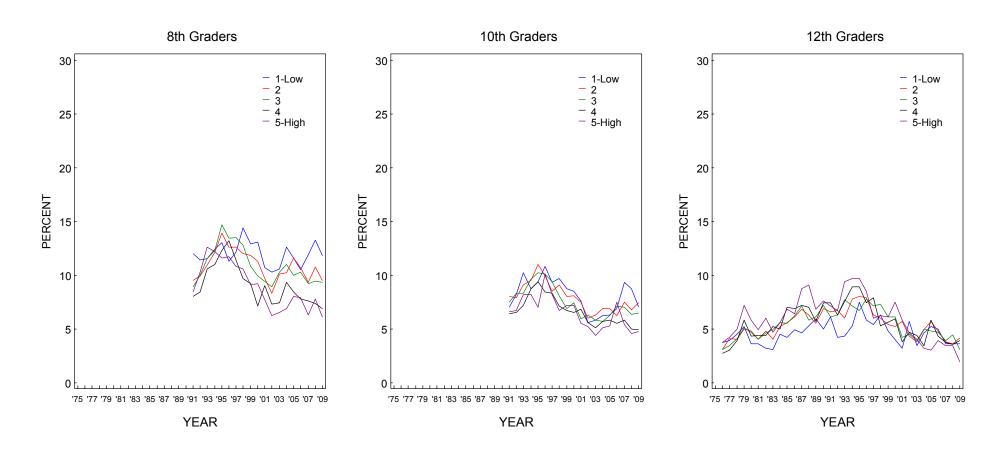
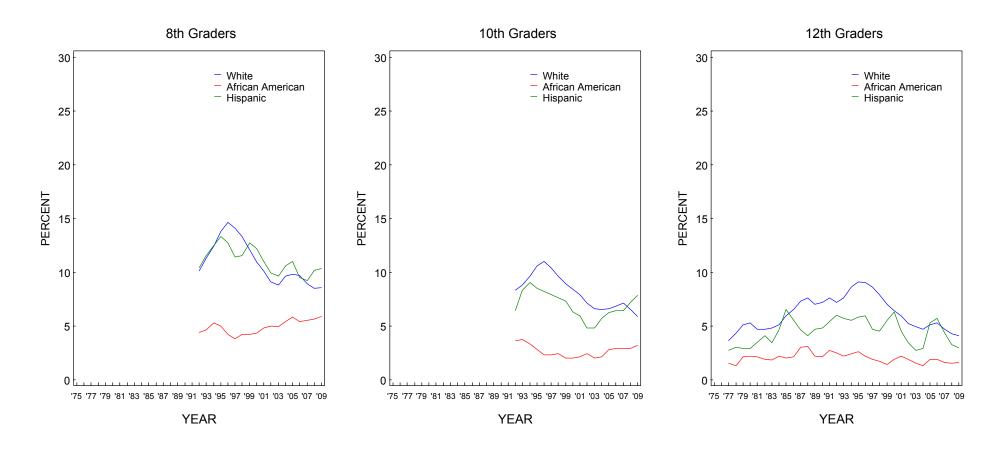
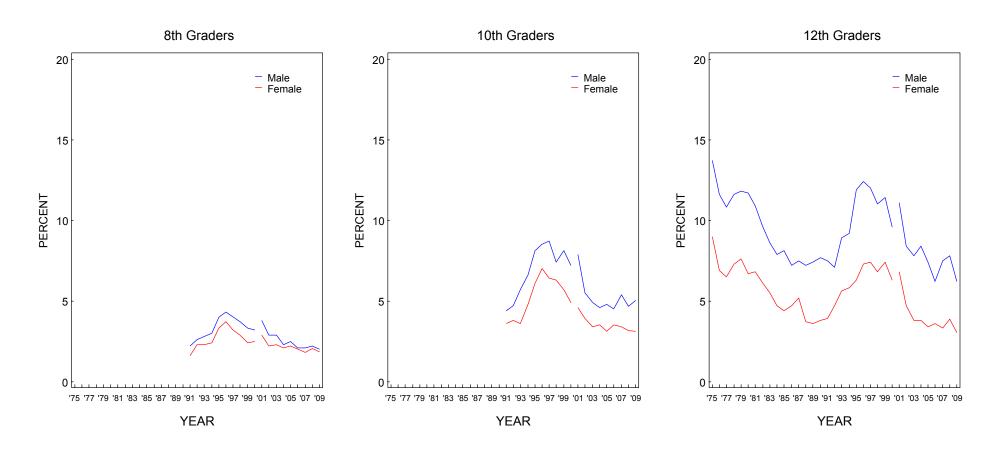


FIGURE 24
Inhalants: Trends in Annual Prevalence by Race/Ethnicity\*



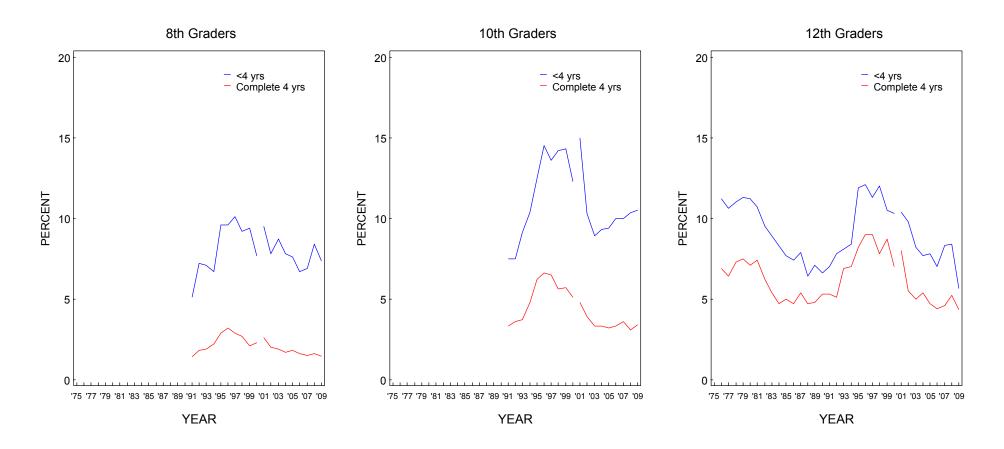
<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 25
Hallucinogens:\* Trends in Annual Prevalence by Gender



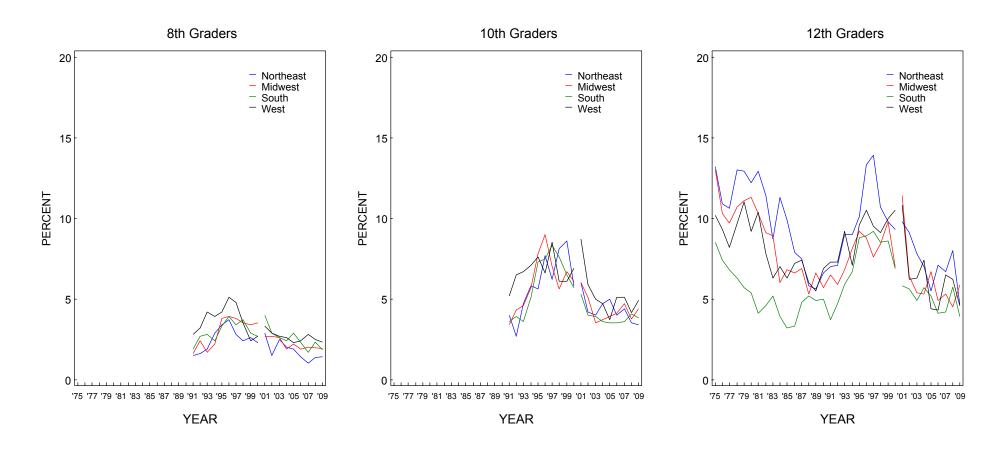
\*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Data for hallucinogens are affected by these changes.

FIGURE 26
Hallucinogens:\* Trends in Annual Prevalence by College Plans



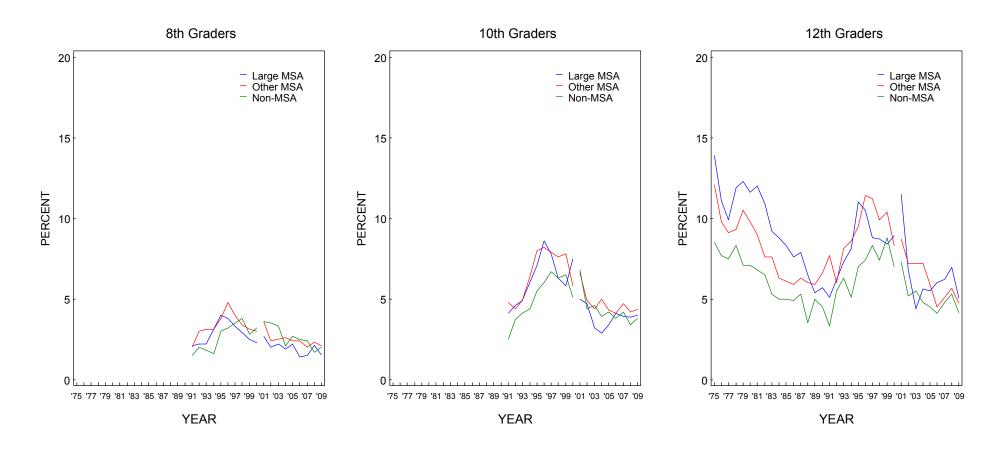
<sup>\*</sup>Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Data for hallucinogens are affected by these changes.

FIGURE 27
Hallucinogens:\* Trends in Annual Prevalence by Region



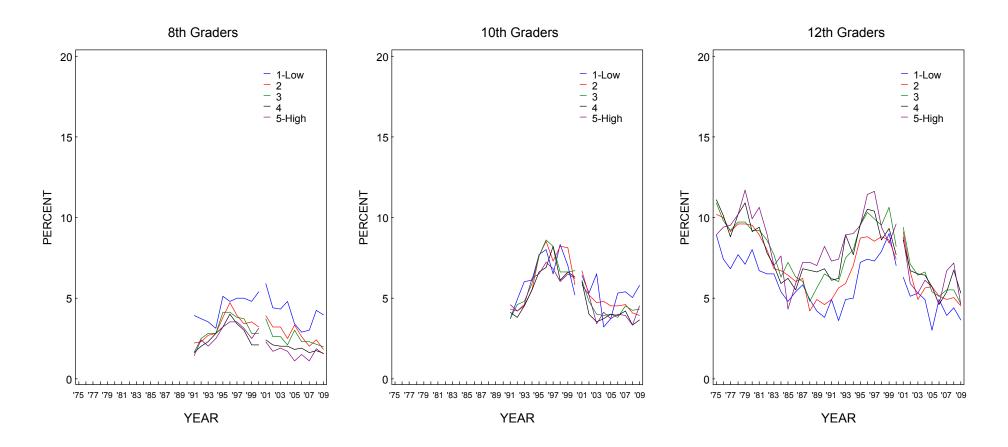
<sup>\*</sup>Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Data for hallucinogens are affected by these changes.

FIGURE 28
Hallucinogens:\* Trends in Annual Prevalence by Population Density



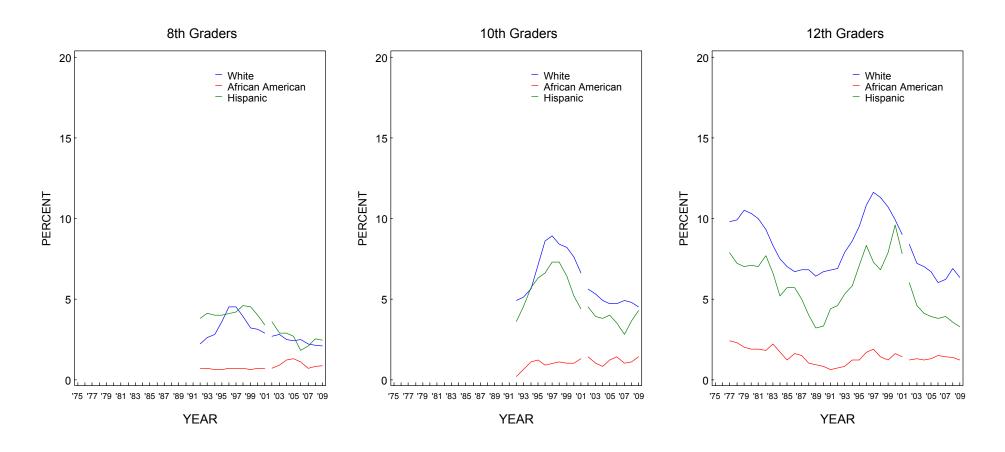
<sup>\*</sup>Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Data for hallucinogens are affected by these changes.

FIGURE 29 Hallucinogens:\* Trends in Annual Prevalence by Average Education Level of Parents



<sup>\*</sup>Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Data for hallucinogens are affected by these changes.

FIGURE 30 Hallucinogens:\* Trends in Annual Prevalence by Race/Ethnicity\*\*



<sup>\*</sup>Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Data for hallucinogens are affected by these changes. Refer to corresponding tables for further details.

<sup>\*\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 31 LSD: Trends in Annual Prevalence by Gender

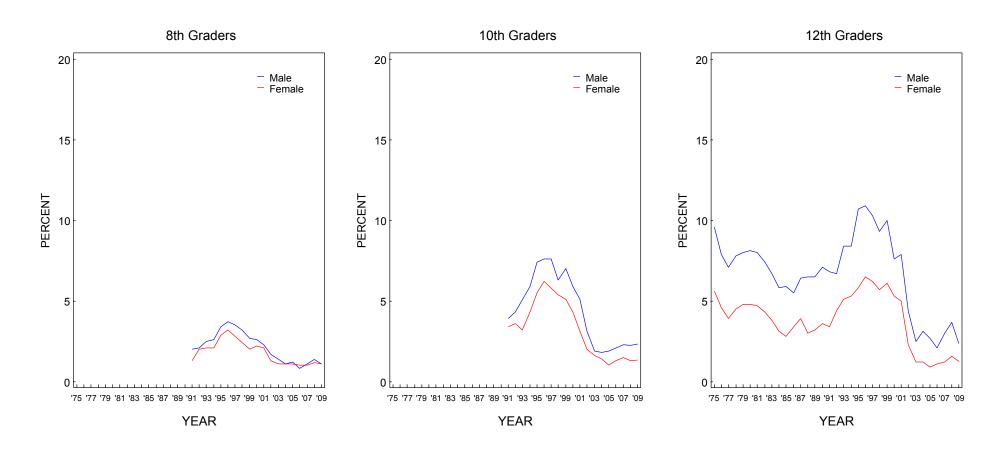


FIGURE 32 LSD: Trends in Annual Prevalence by College Plans

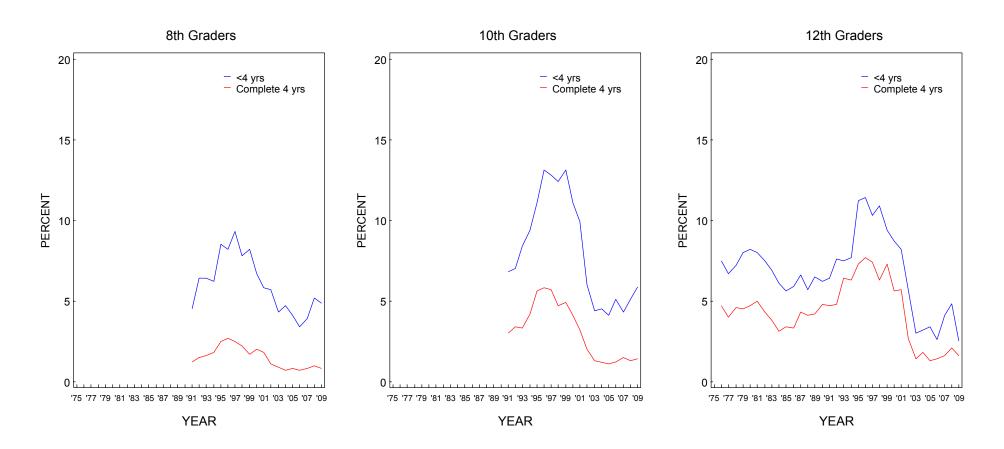


FIGURE 33 LSD: Trends in Annual Prevalence by Region

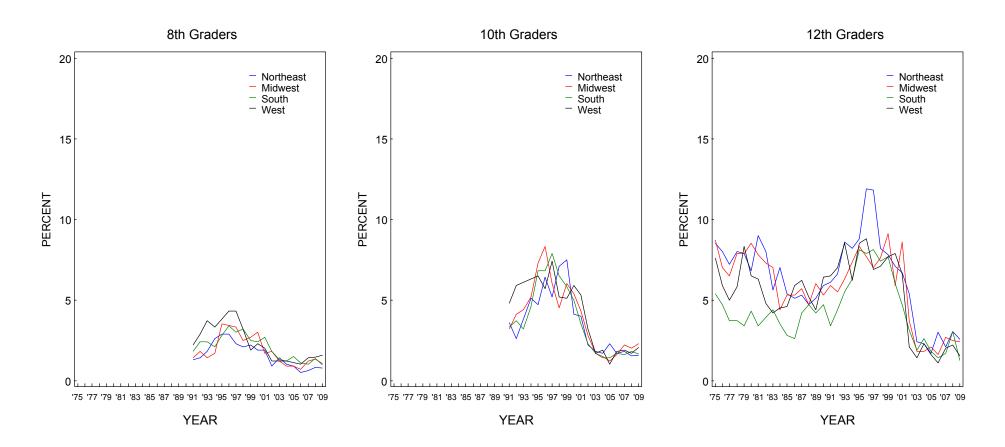


FIGURE 34 LSD: Trends in Annual Prevalence by Population Density

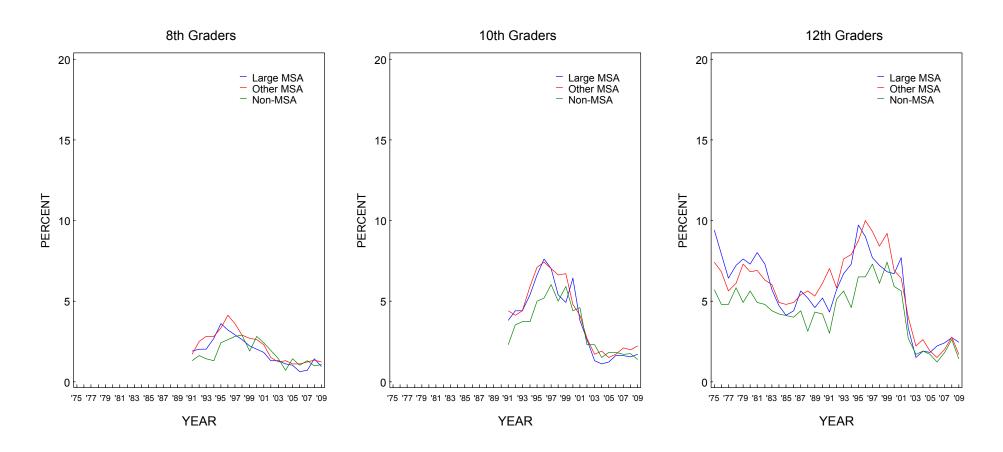


FIGURE 35 LSD: Trends in Annual Prevalence by Average Education Level of Parents

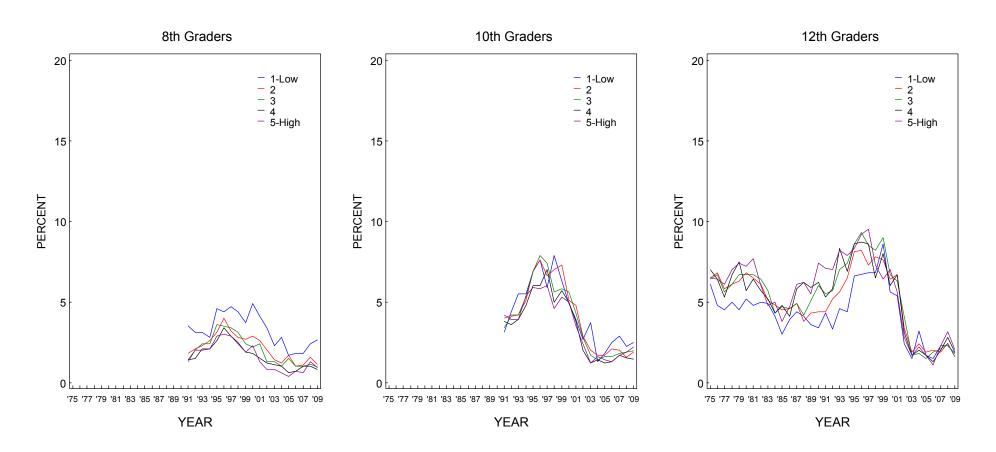
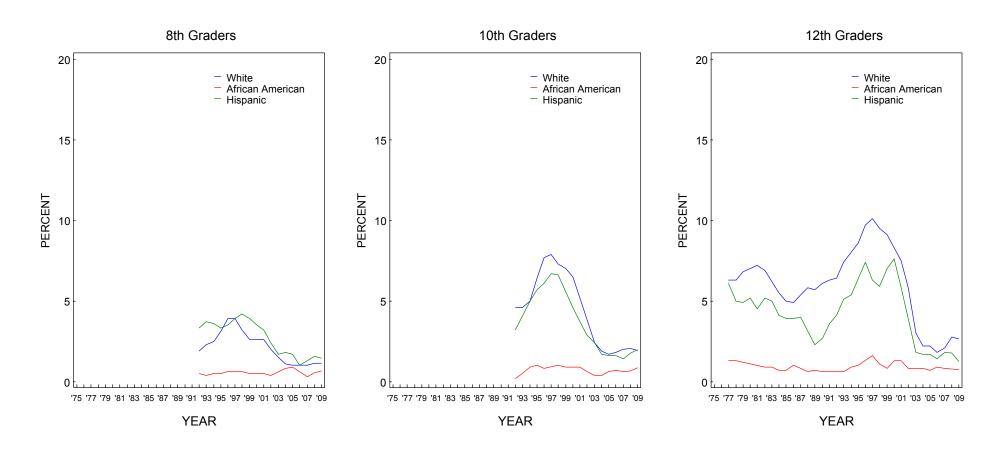
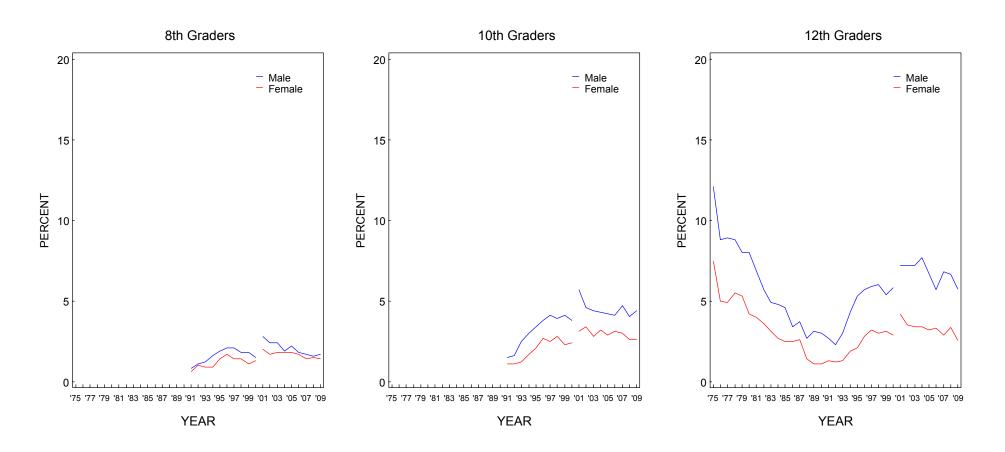


FIGURE 36
LSD: Trends in Annual Prevalence by Race/Ethnicity\*



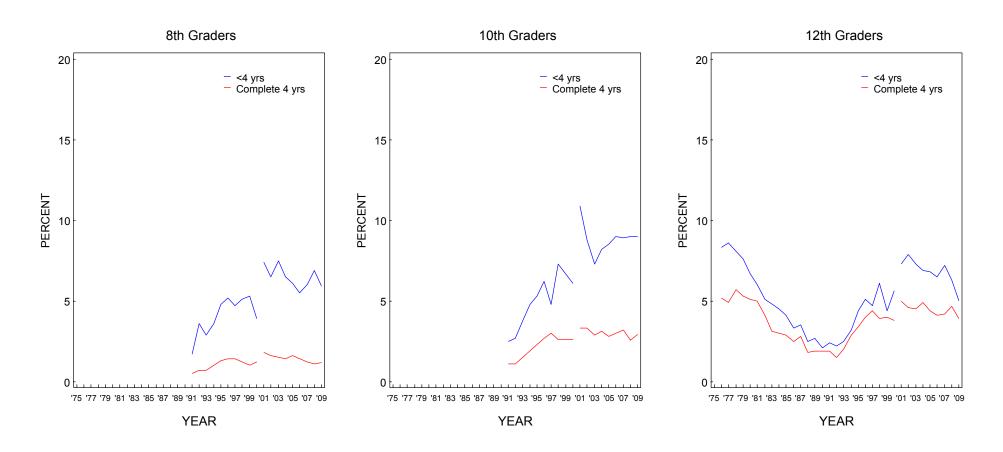
<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 37
Hallucinogens other than LSD:\* Trends in Annual Prevalence by Gender



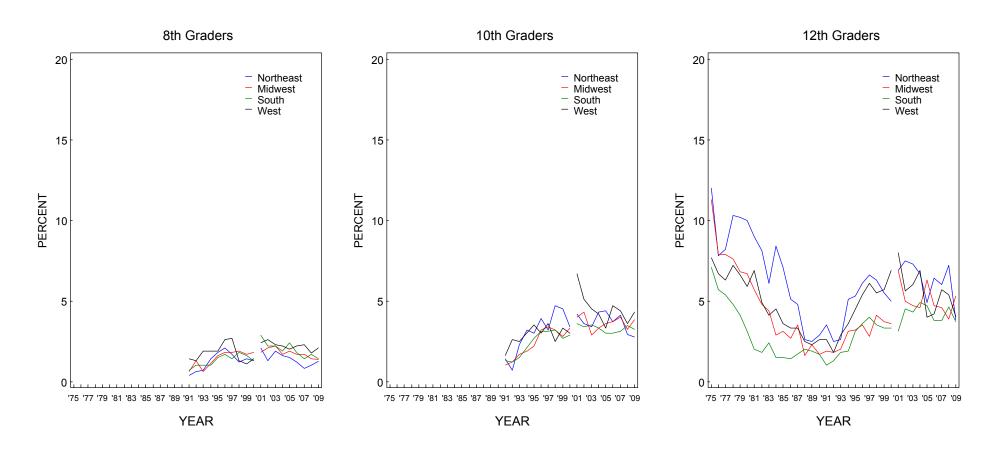
<sup>\*</sup>Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Refer to corresponding tables for further details.

FIGURE 38
Hallucinogens other than LSD:\* Trends in Annual Prevalence by College Plans



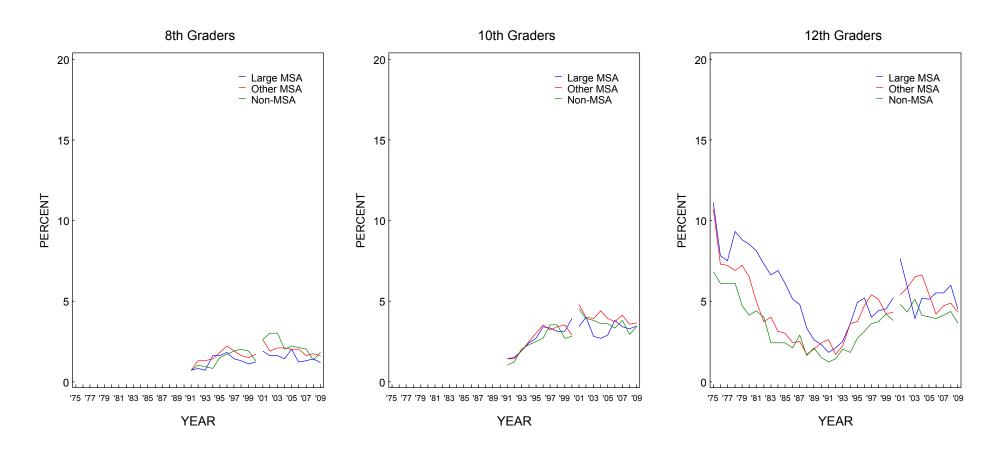
<sup>\*</sup>Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Refer to corresponding tables for further details.

FIGURE 39
Hallucinogens other than LSD:\* Trends in Annual Prevalence by Region



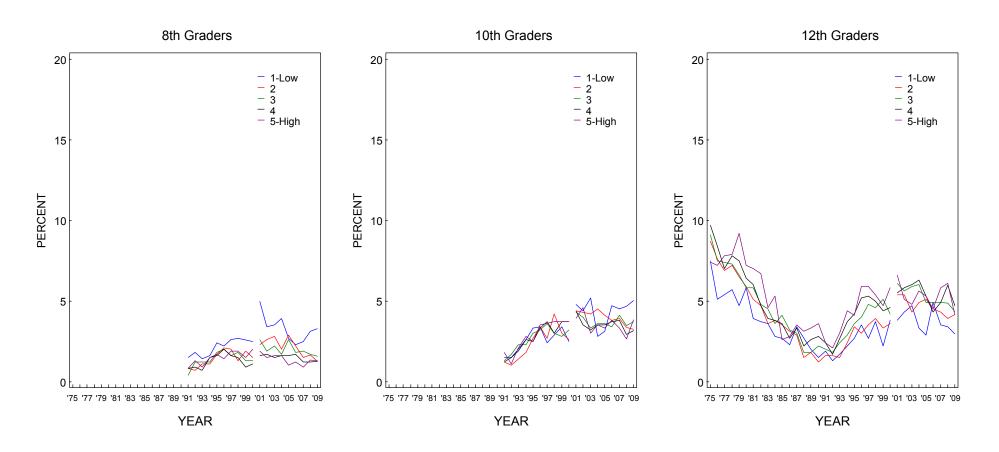
<sup>\*</sup>Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Refer to corresponding tables for further details.

FIGURE 40
Hallucinogens other than LSD:\* Trends in Annual Prevalence by Population Density



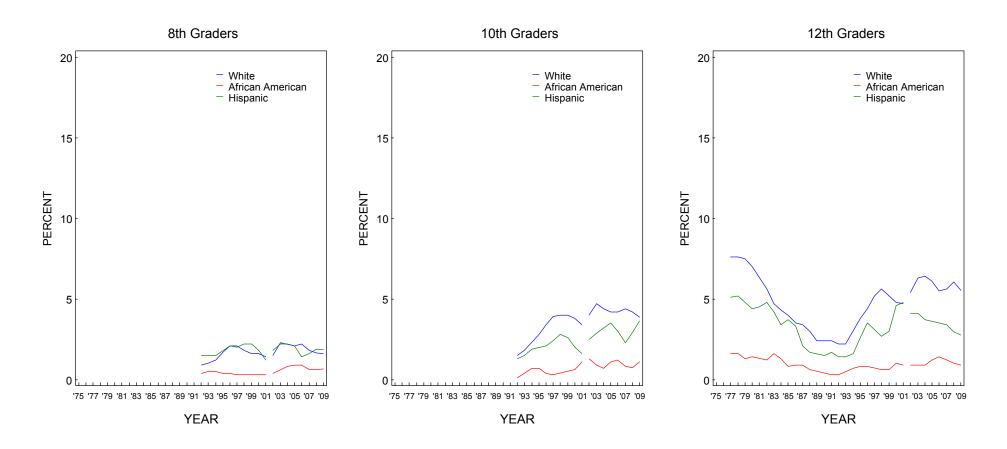
<sup>\*</sup>Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Refer to corresponding tables for further details.

FIGURE 41
Hallucinogens other than LSD:\* Trends in Annual Prevalence by Average Education Level of Parents



<sup>\*</sup>Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Refer to corresponding tables for further details.

FIGURE 42
Hallucinogens other than LSD:\* Trends in Annual Prevalence by Race/Ethnicity\*\*



<sup>\*</sup>Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Refer to corresponding tables for further details.

<sup>\*\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 43
Ecstasy (MDMA): Trends in Annual Prevalence by Gender

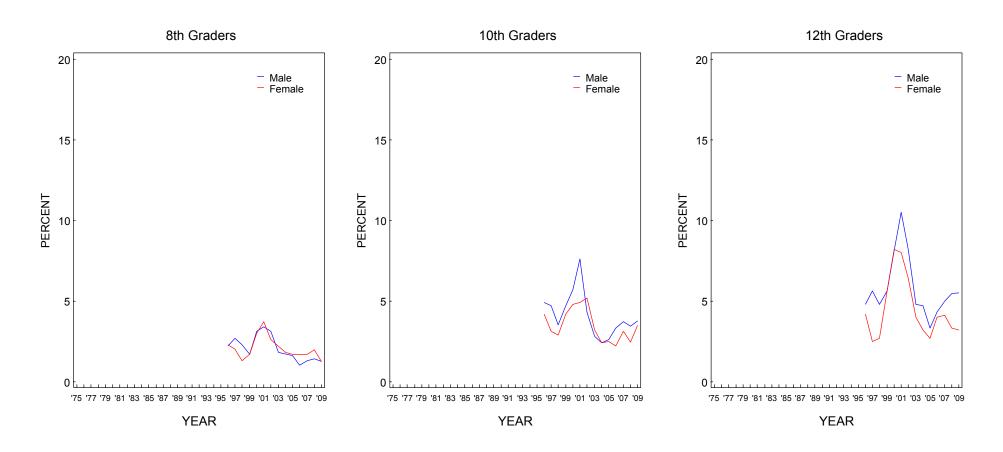


FIGURE 44
Ecstasy (MDMA): Trends in Annual Prevalence by College Plans

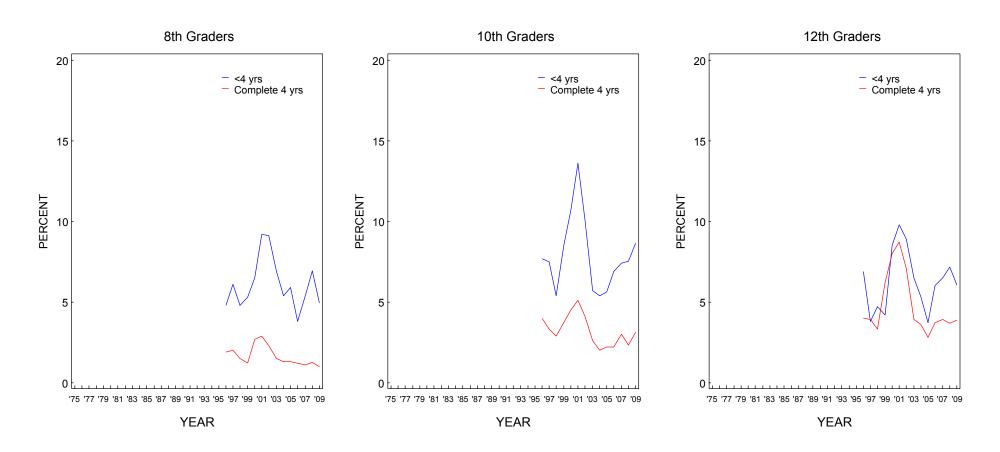


FIGURE 45
Ecstasy (MDMA): Trends in Annual Prevalence by Region

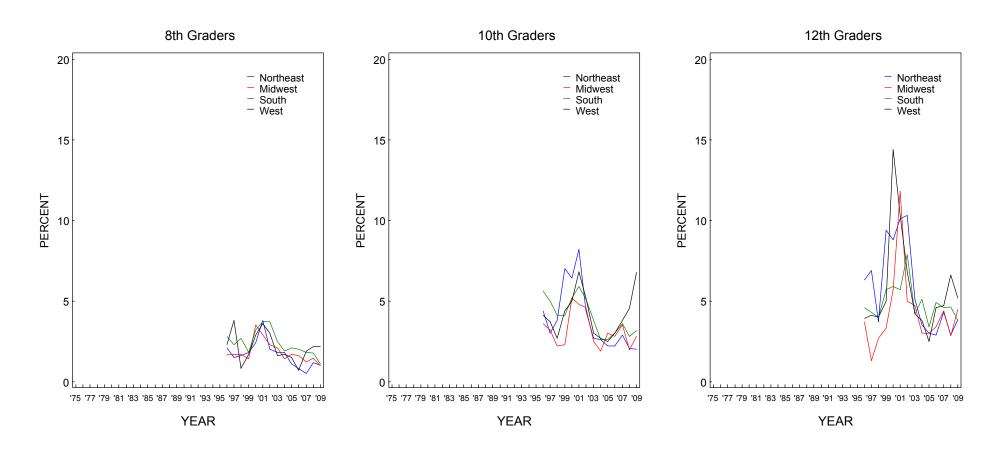


FIGURE 46
Ecstasy (MDMA): Trends in Annual Prevalence by Population Density

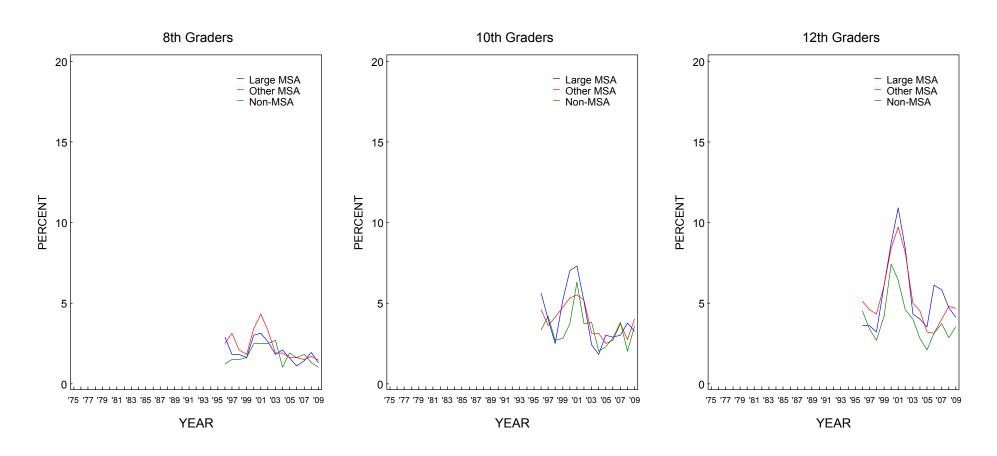


FIGURE 47
Ecstasy (MDMA): Trends in Annual Prevalence by Average Education Level of Parents

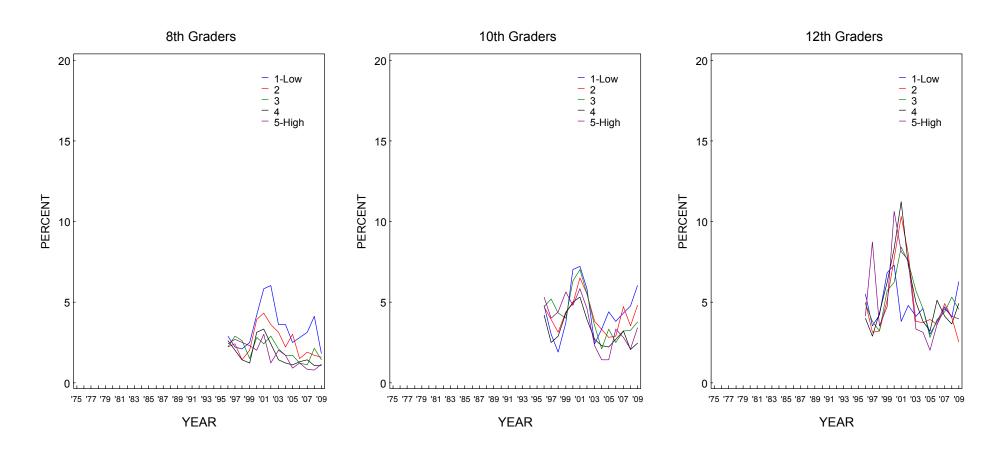
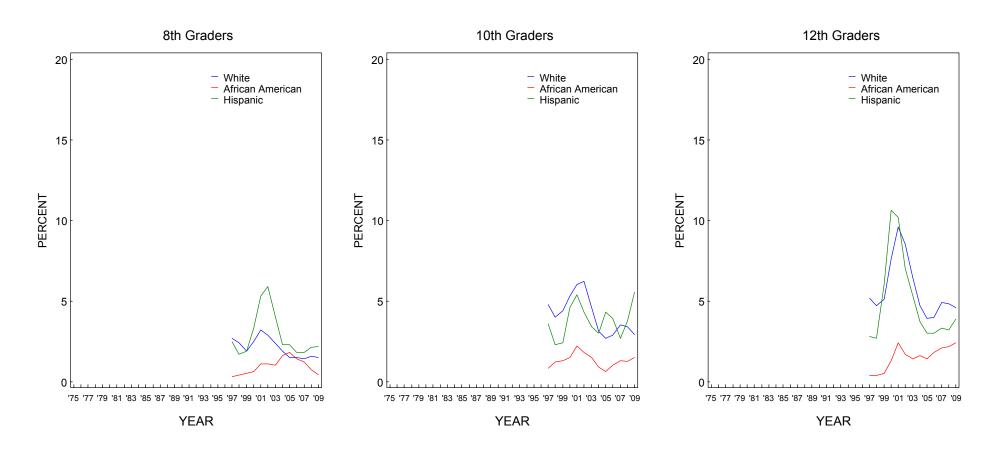


FIGURE 48
Ecstasy (MDMA): Trends in Annual Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 49 Cocaine: Trends in Annual Prevalence by Gender

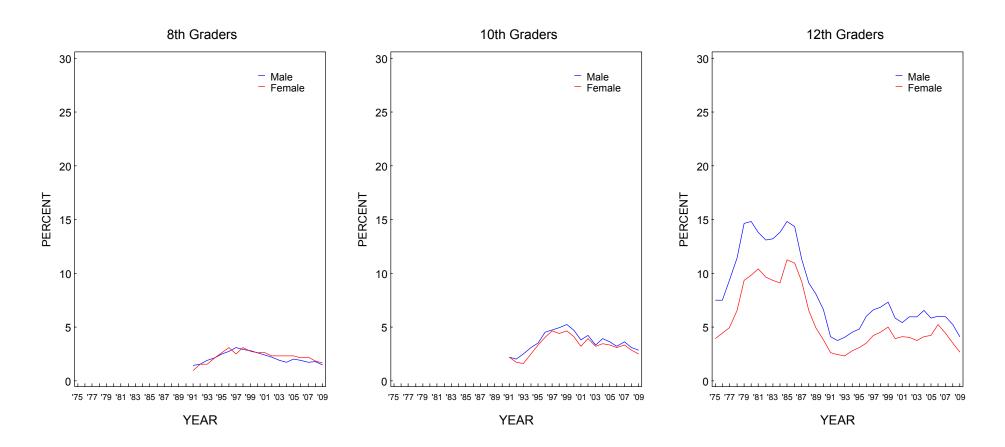


FIGURE 50 Cocaine: Trends in Annual Prevalence by College Plans

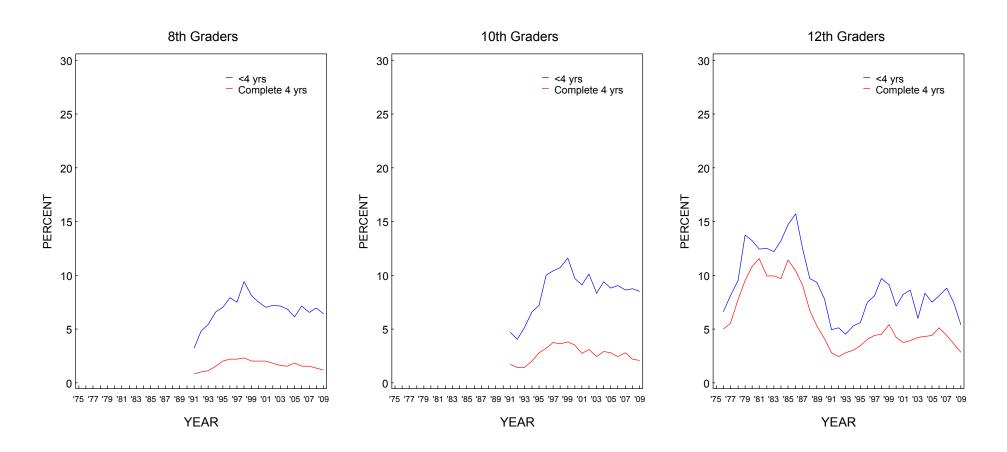


FIGURE 51 Cocaine: Trends in Annual Prevalence by Region

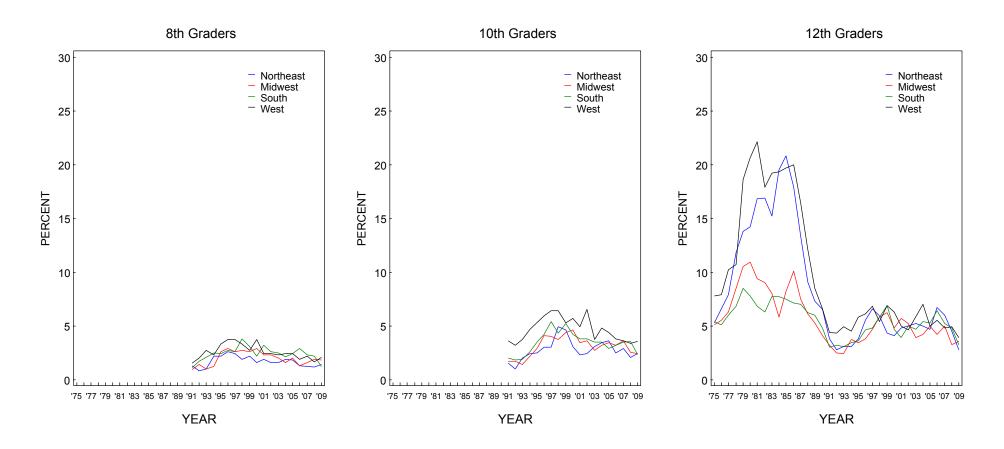


FIGURE 52 Cocaine: Trends in Annual Prevalence by Population Density

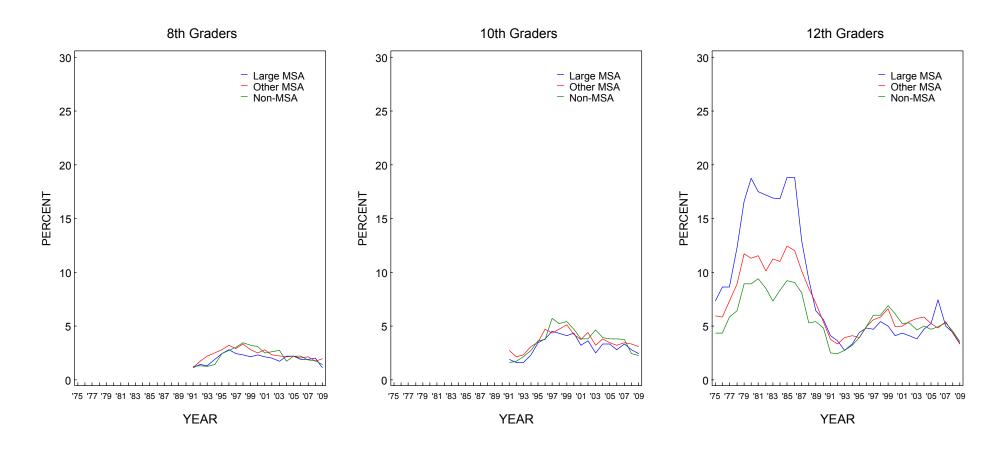


FIGURE 53
Cocaine: Trends in Annual Prevalence by Average Education Level of Parents

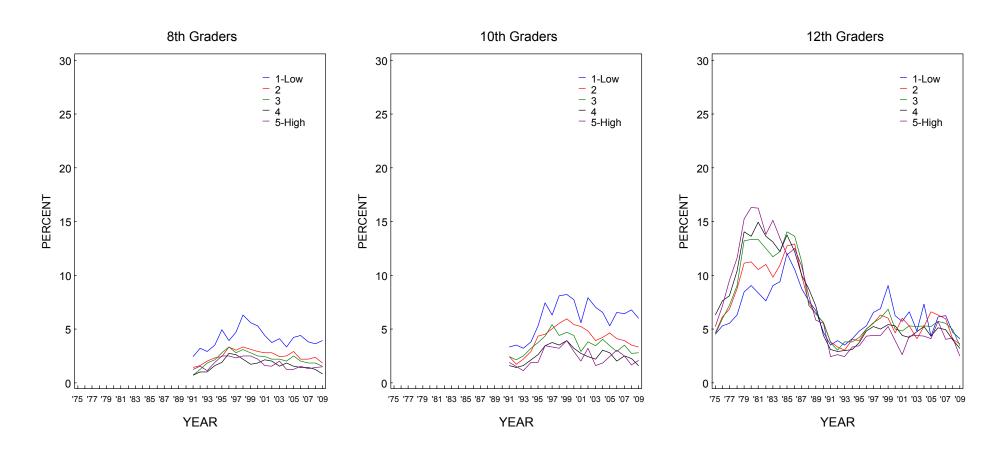
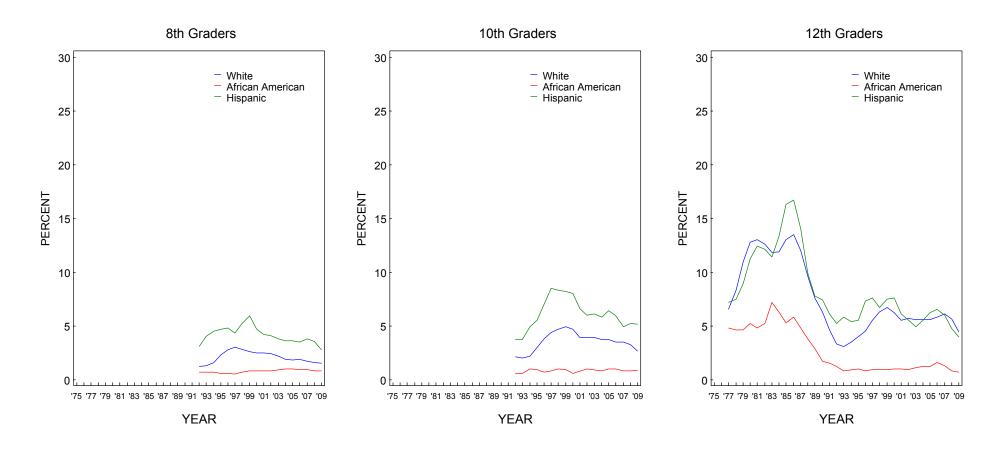


FIGURE 54
Cocaine: Trends in Annual Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 55 Crack: Trends in Annual Prevalence by Gender

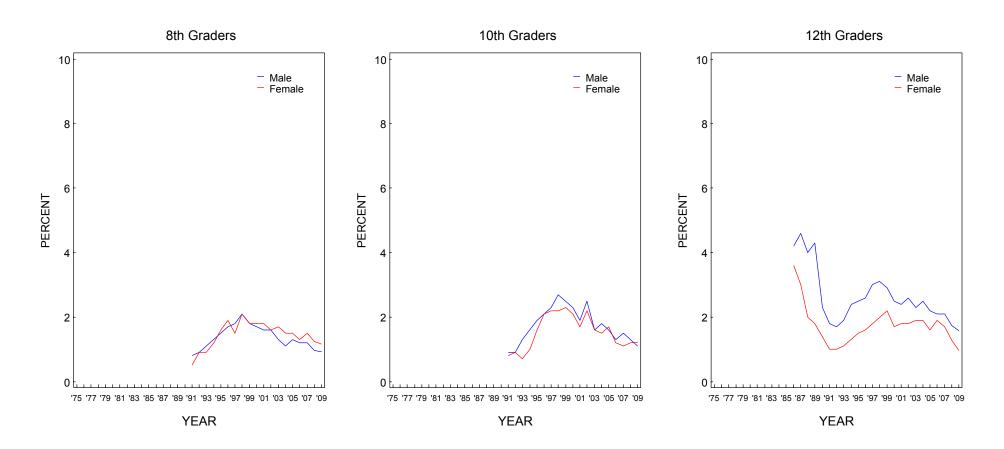


FIGURE 56 Crack: Trends in Annual Prevalence by College Plans

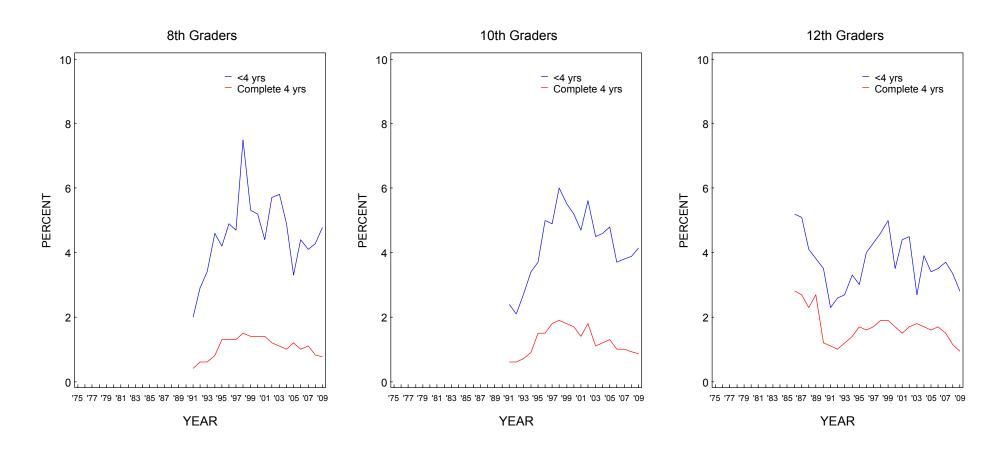


FIGURE 57 Crack: Trends in Annual Prevalence by Region

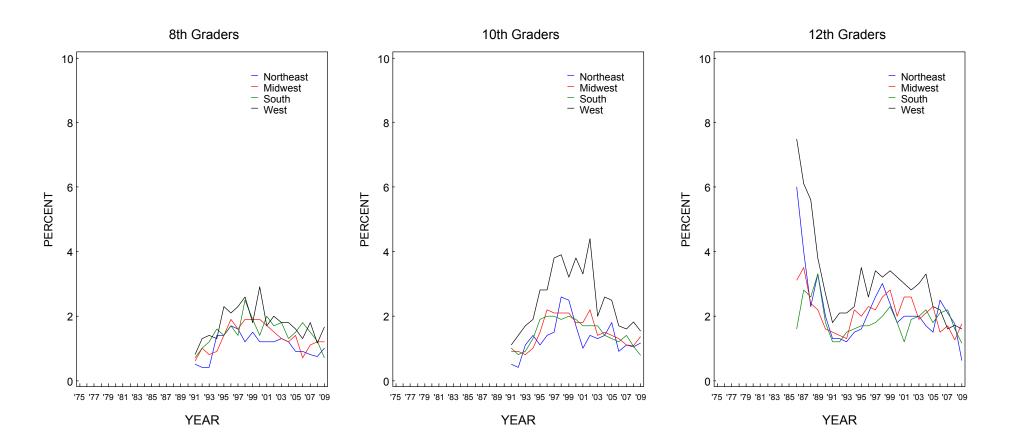


FIGURE 58
Crack: Trends in Annual Prevalence by Population Density

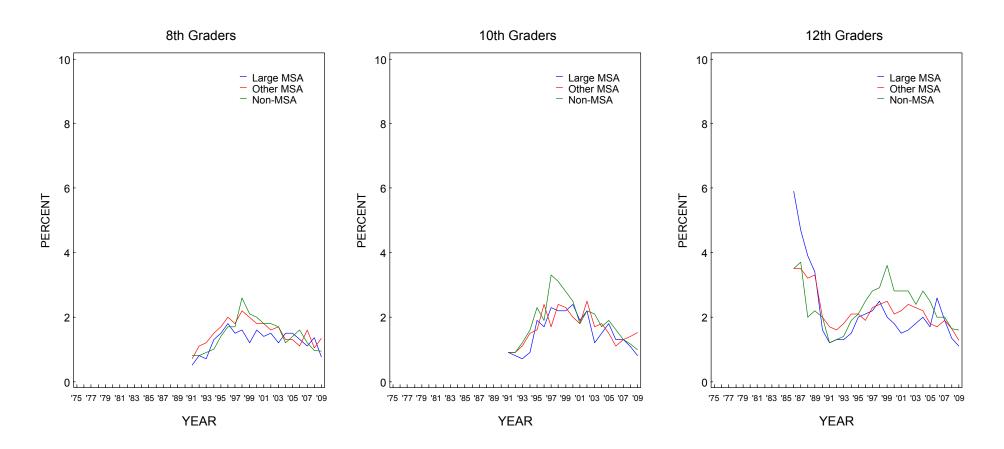


FIGURE 59
Crack: Trends in Annual Prevalence by Average Education Level of Parents

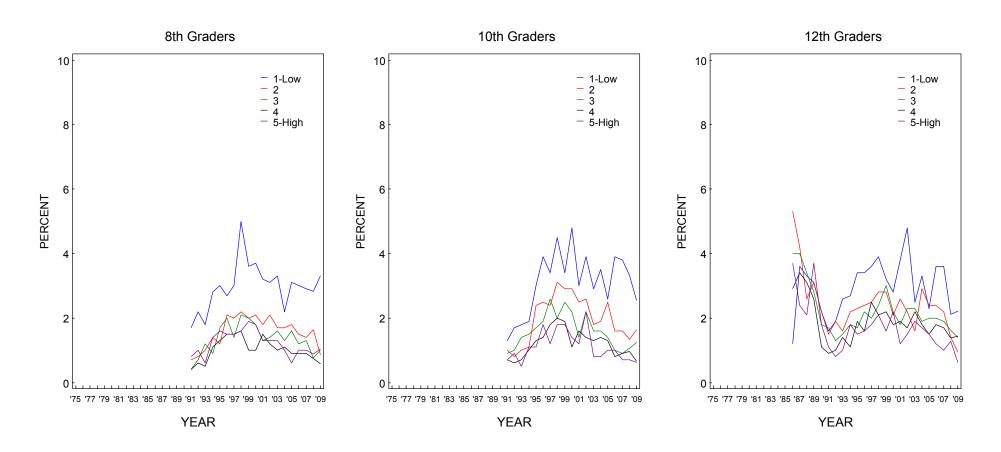
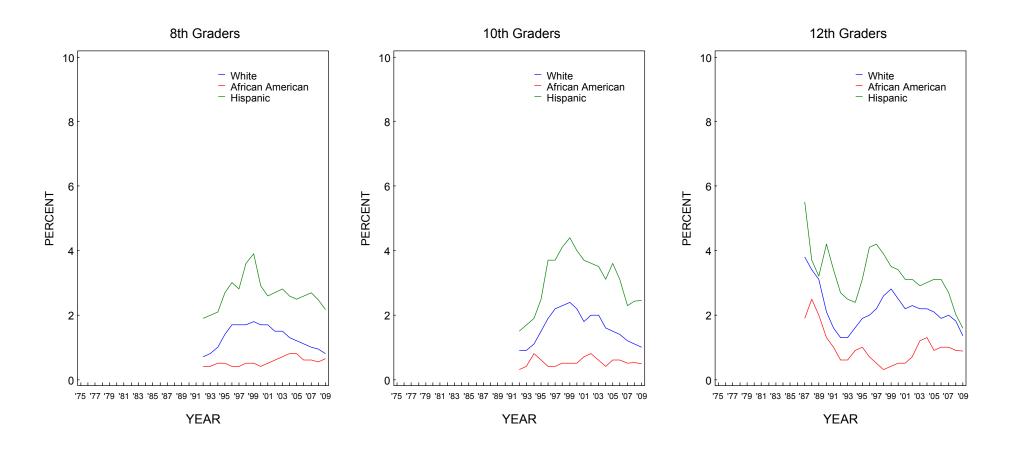


FIGURE 60 Crack: Trends in Annual Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 61
Other Cocaine: Trends in Annual Prevalence by Gender

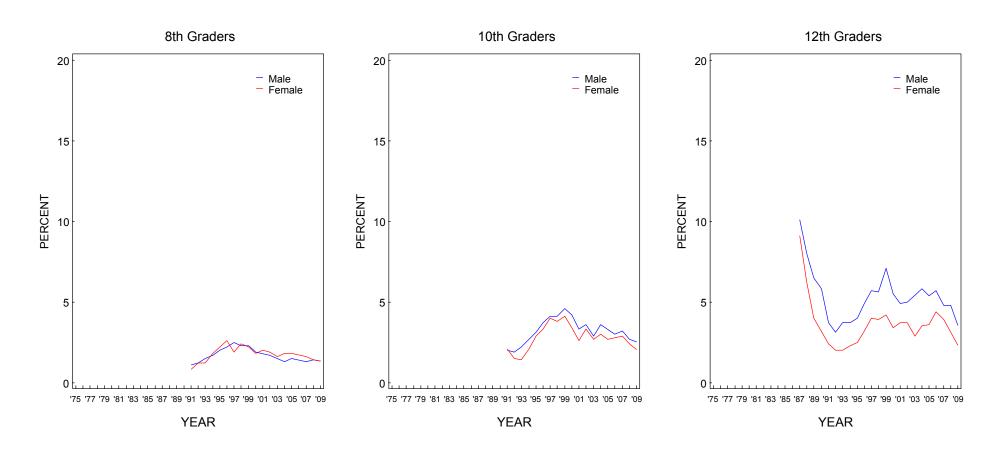


FIGURE 62
Other Cocaine: Trends in Annual Prevalence by College Plans

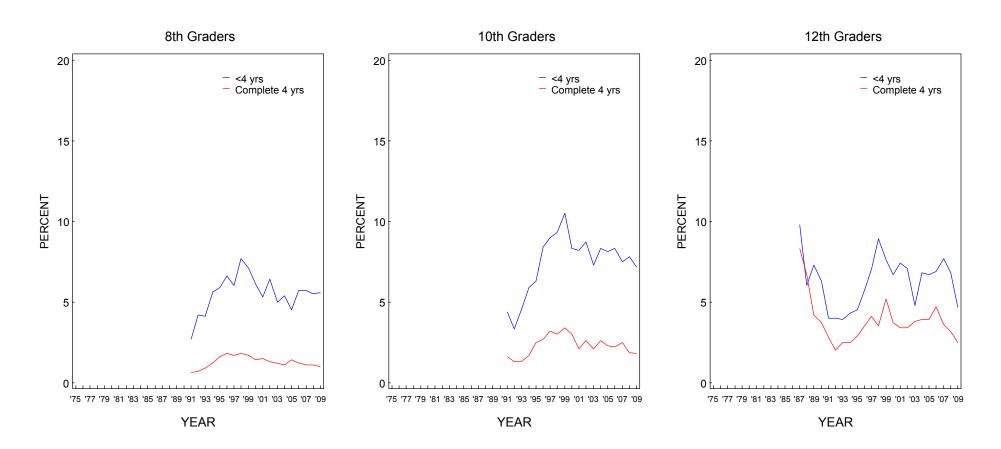


FIGURE 63
Other Cocaine: Trends in Annual Prevalence by Region

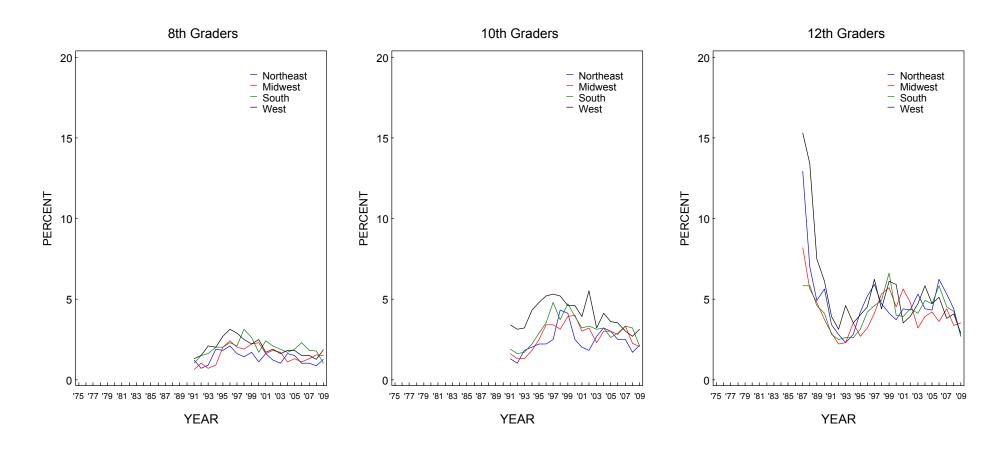


FIGURE 64
Other Cocaine: Trends in Annual Prevalence by Population Density

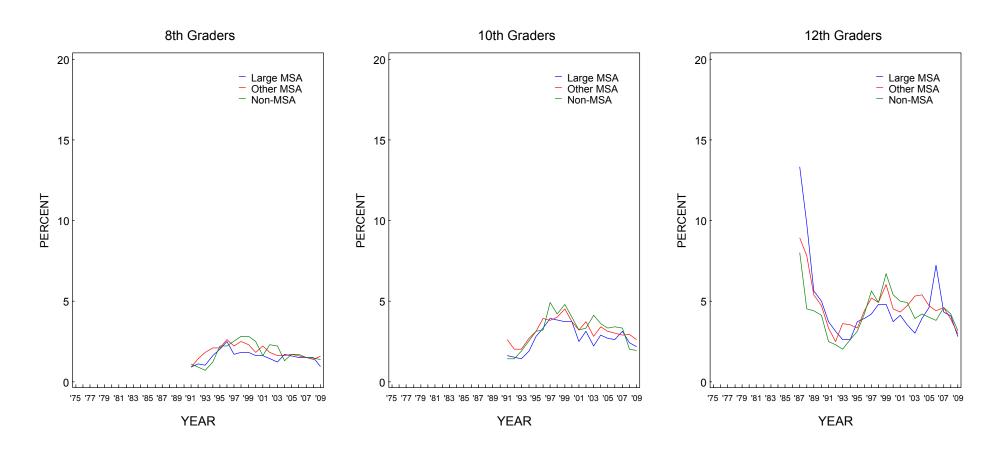


FIGURE 65
Other Cocaine: Trends in Annual Prevalence by Average Education Level of Parents

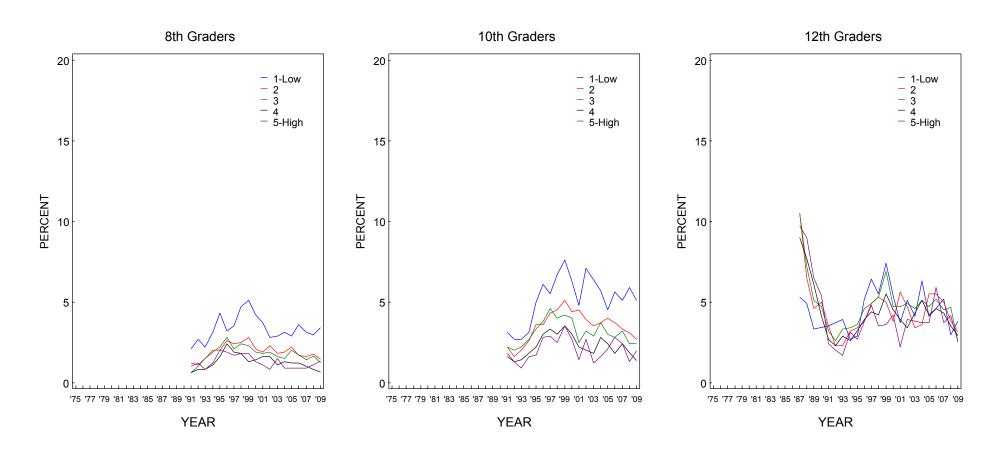
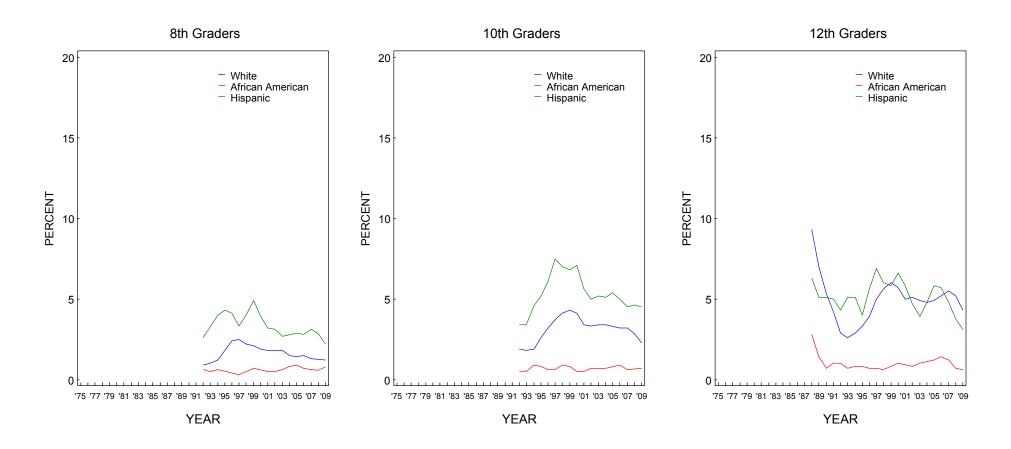


FIGURE 66
Other Cocaine: Trends in Annual Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 67 Heroin: Trends in Annual Prevalence by Gender

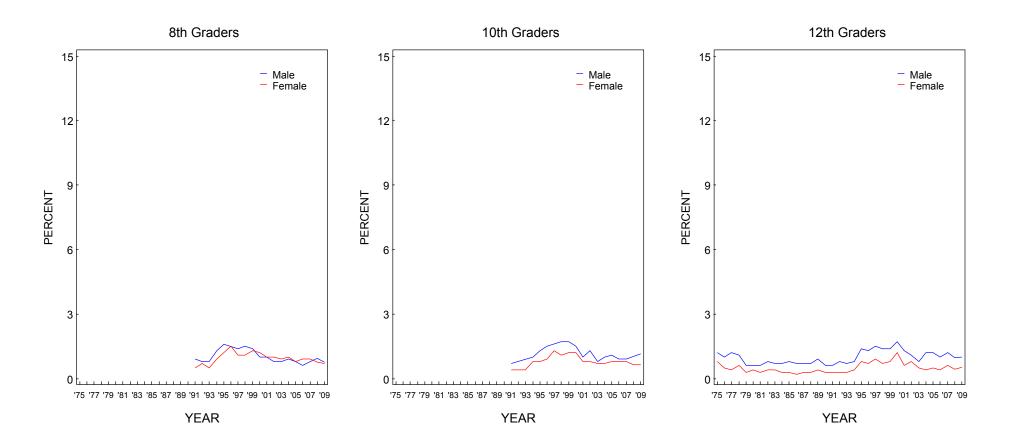


FIGURE 68 Heroin: Trends in Annual Prevalence by College Plans

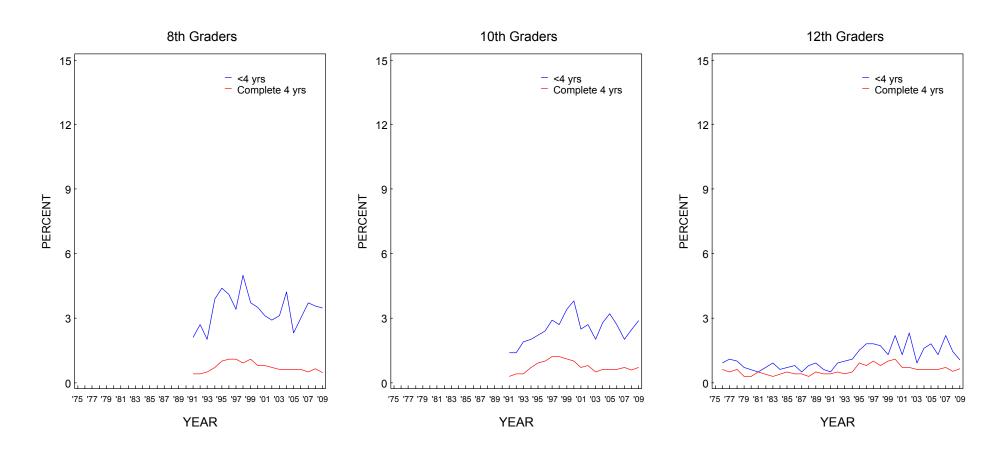


FIGURE 69 Heroin: Trends in Annual Prevalence by Region

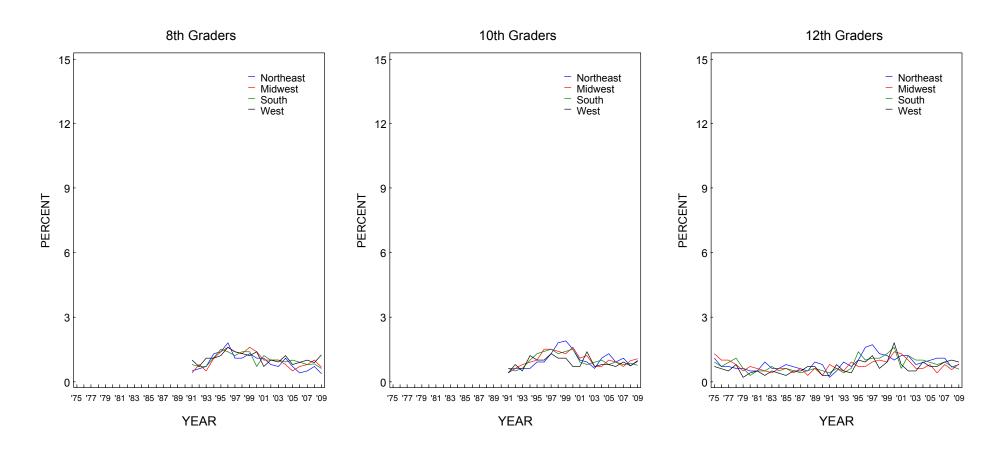


FIGURE 70 Heroin: Trends in Annual Prevalence by Population Density

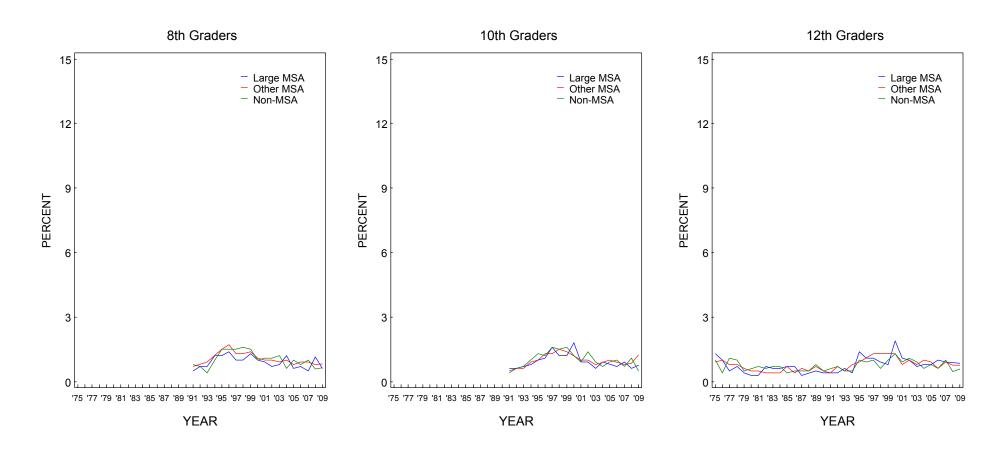


FIGURE 71 Heroin: Trends in Annual Prevalence by Average Education Level of Parents

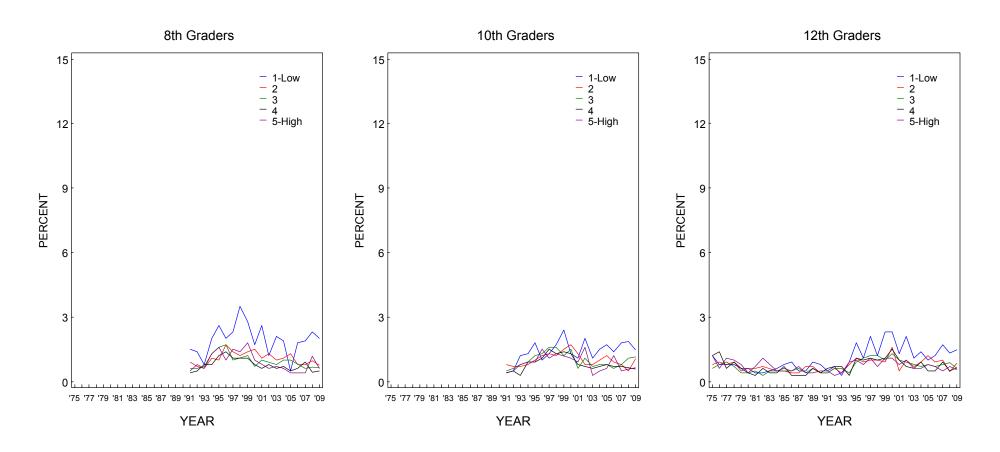
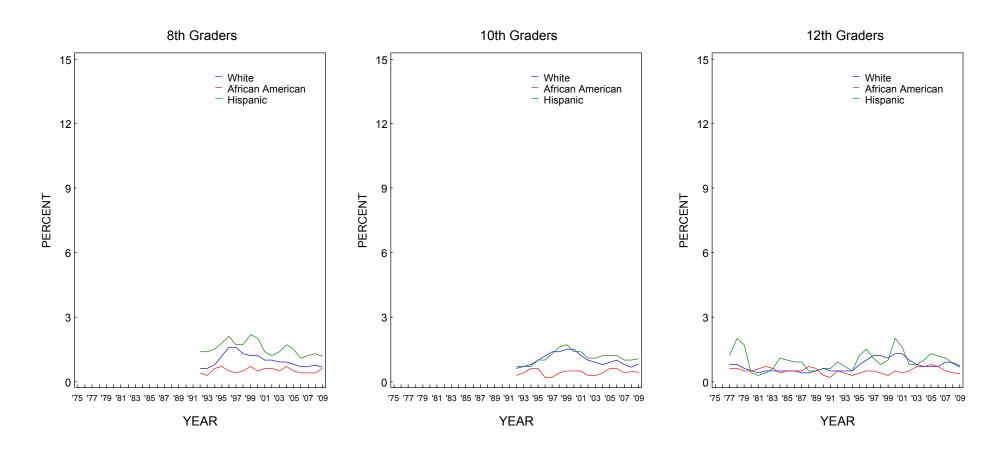


FIGURE 72
Heroin: Trends in Annual Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 73
Heroin with a Needle: Trends in Annual Prevalence by Gender

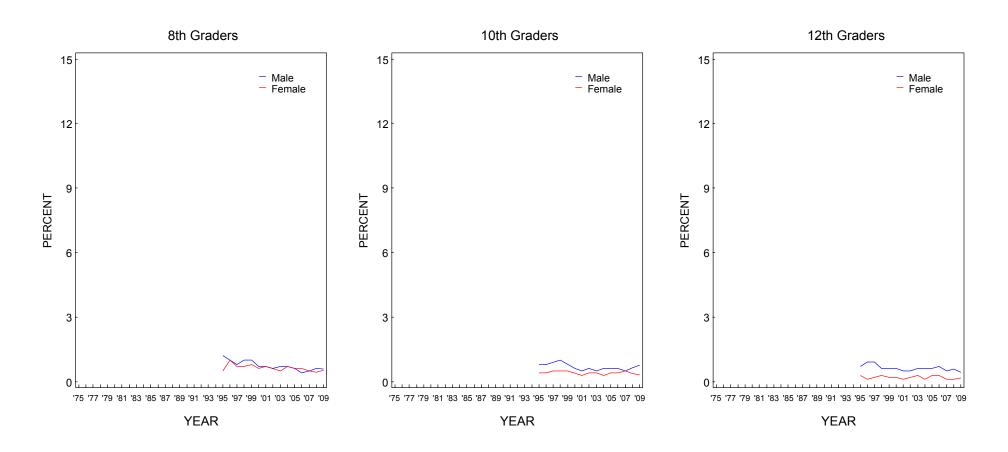


FIGURE 74
Heroin with a Needle: Trends in Annual Prevalence by College Plans

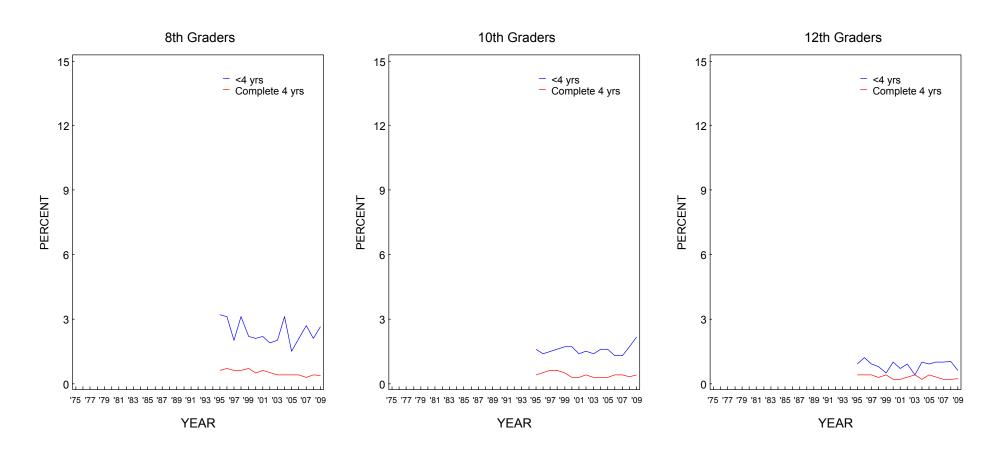


FIGURE 75
Heroin with a Needle: Trends in Annual Prevalence by Region

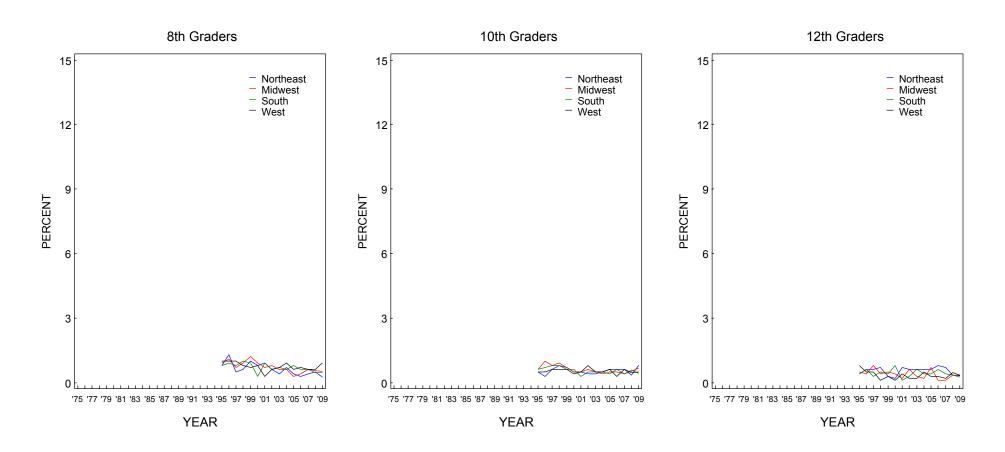


FIGURE 76
Heroin with a Needle: Trends in Annual Prevalence by Population Density

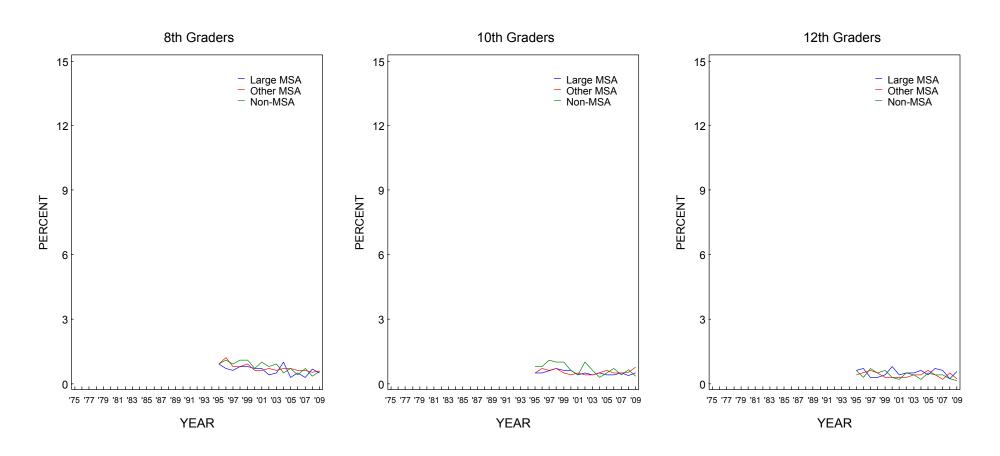


FIGURE 77
Heroin with a Needle: Trends in Annual Prevalence by Average Education Level of Parents

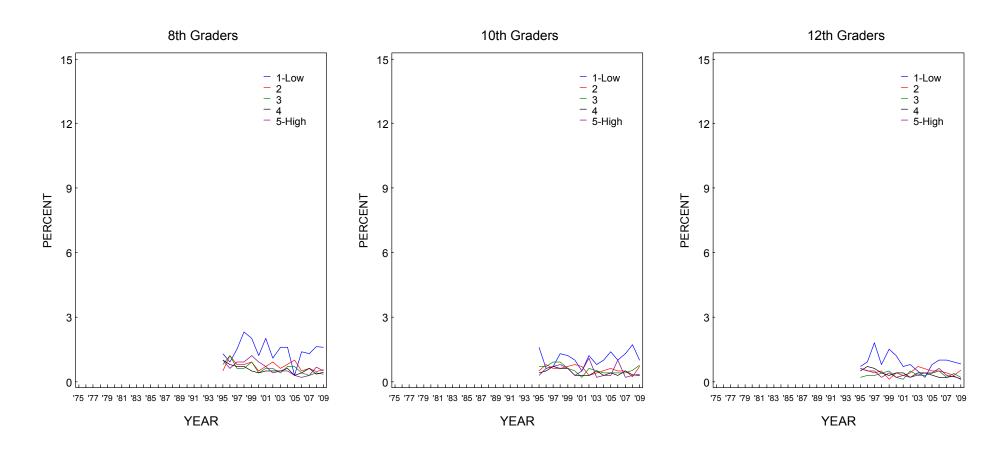
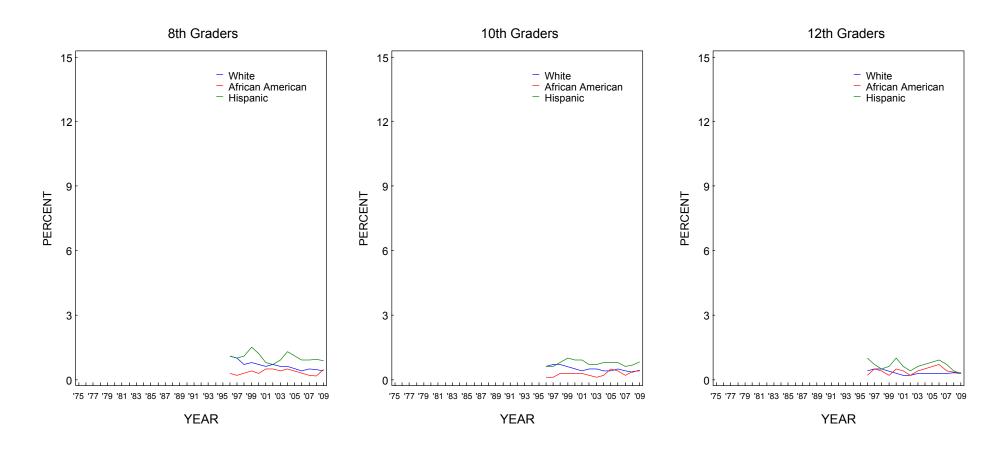


FIGURE 78
Heroin with a Needle: Trends in Annual Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 79
Heroin without a Needle: Trends in Annual Prevalence by Gender

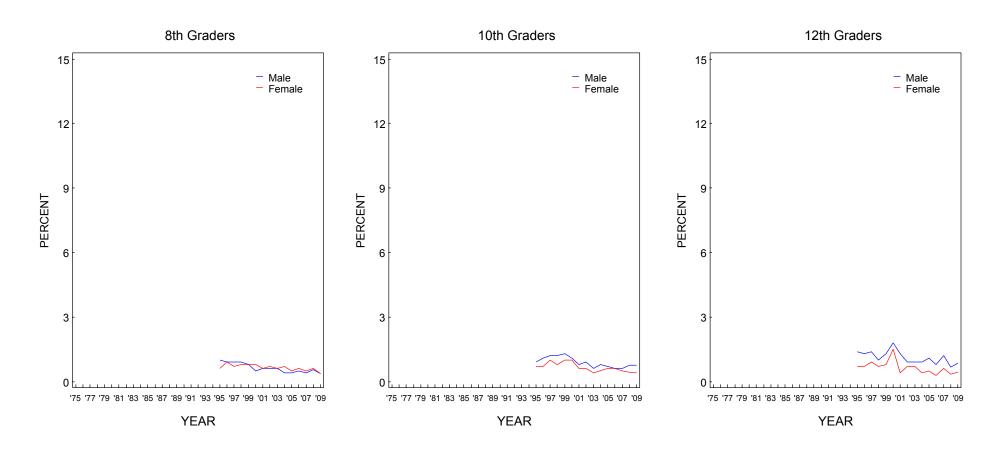


FIGURE 80
Heroin without a Needle: Trends in Annual Prevalence by College Plans

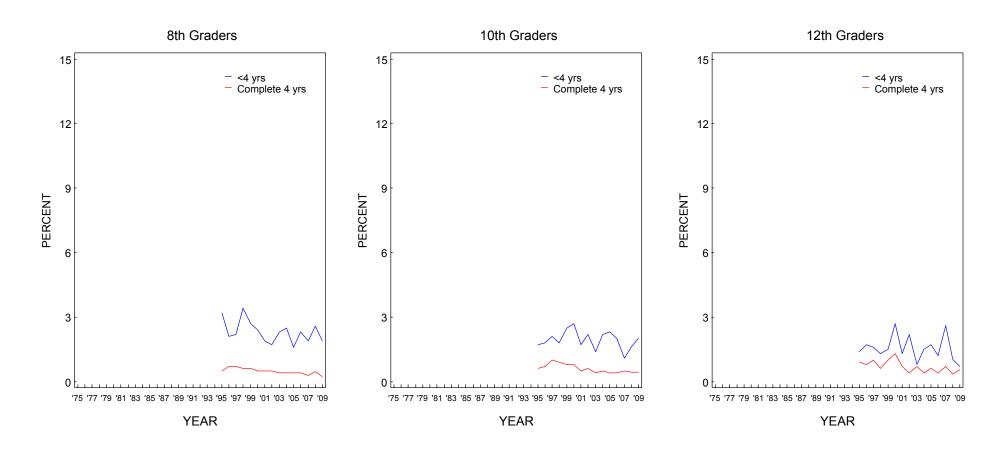


FIGURE 81 Heroin without a Needle: Trends in Annual Prevalence by Region

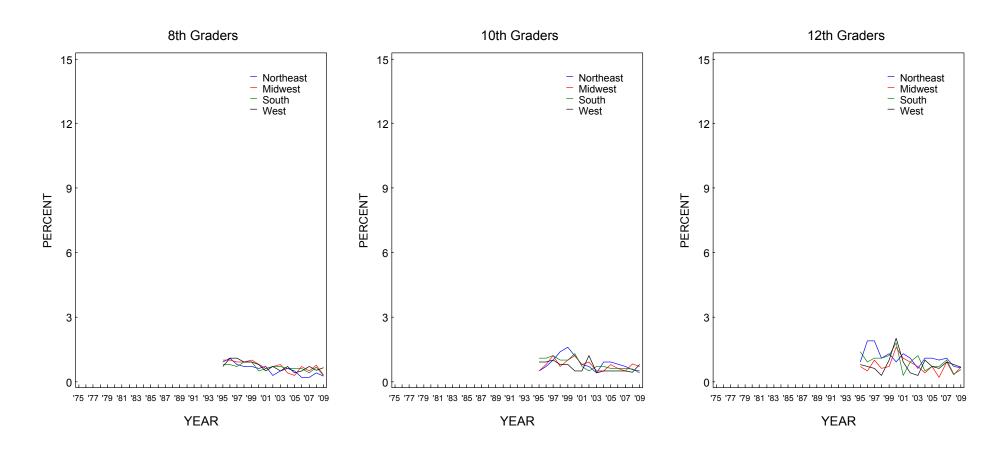


FIGURE 82
Heroin without a Needle: Trends in Annual Prevalence by Population Density

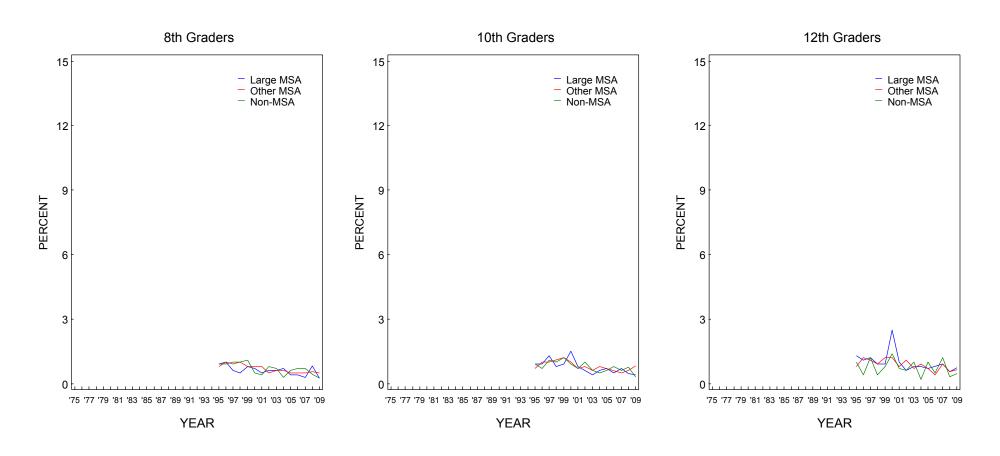


FIGURE 83
Heroin without a Needle: Trends in Annual Prevalence by Average Education Level of Parents

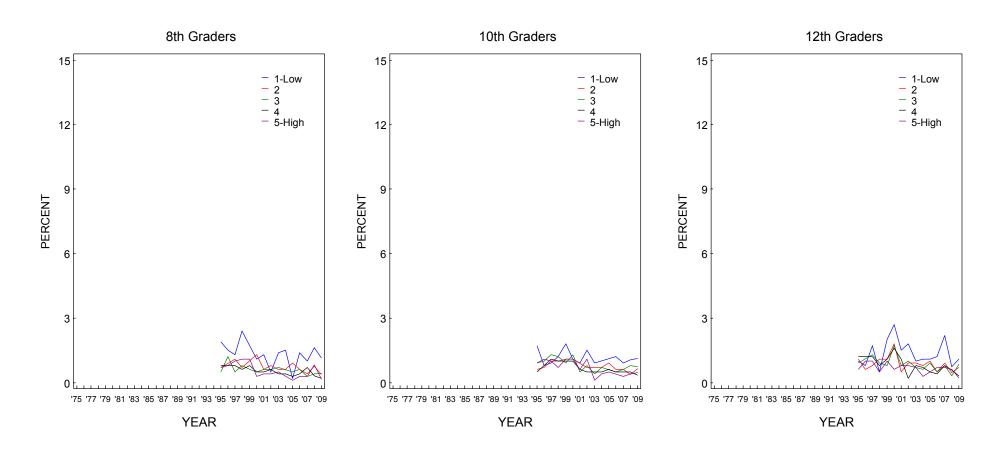
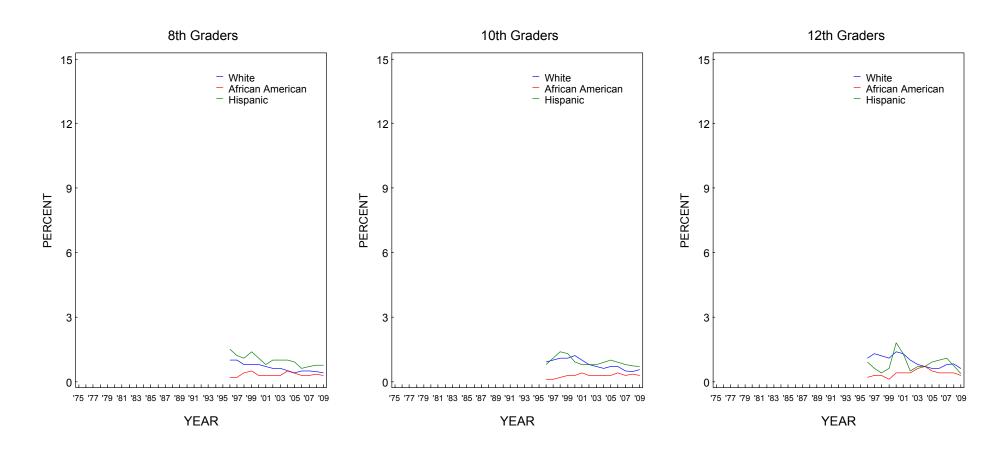


FIGURE 84
Heroin without a Needle: Trends in Annual Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 85
Narcotics other than Heroin:\* Trends in Annual Prevalence by Gender

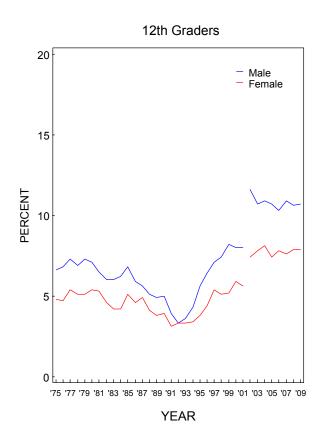


FIGURE 86
Narcotics other than Heroin:\* Trends in Annual Prevalence by College Plans

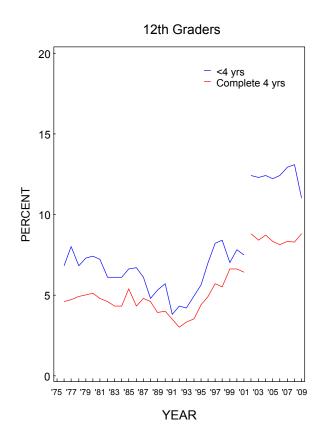


FIGURE 87
Narcotics other than Heroin:\* Trends in Annual Prevalence by Region

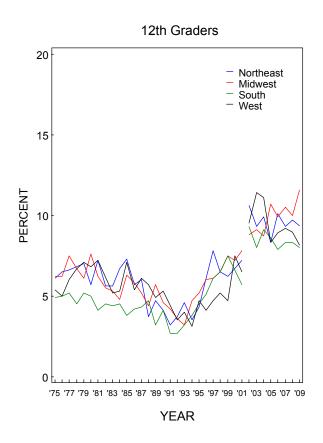


FIGURE 88
Narcotics other than Heroin:\* Trends in Annual Prevalence by Population Density

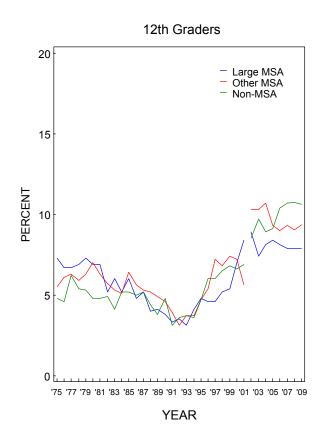


FIGURE 89
Narcotics other than Heroin:\* Trends in Annual Prevalence by Average Education Level of Parents

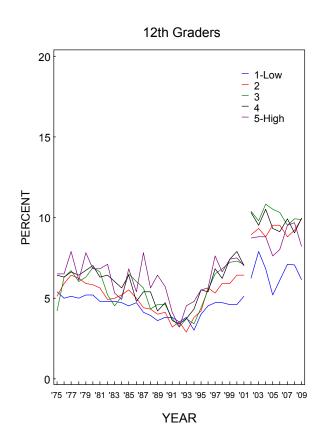


FIGURE 90
Narcotics other than Heroin:\* Trends in Annual Prevalence by Race/Ethnicity\*\*

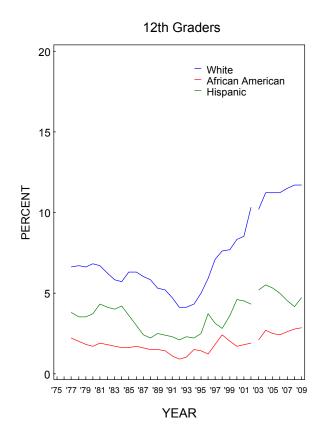


FIGURE 91 OxyContin: Trends in Annual Prevalence by Gender

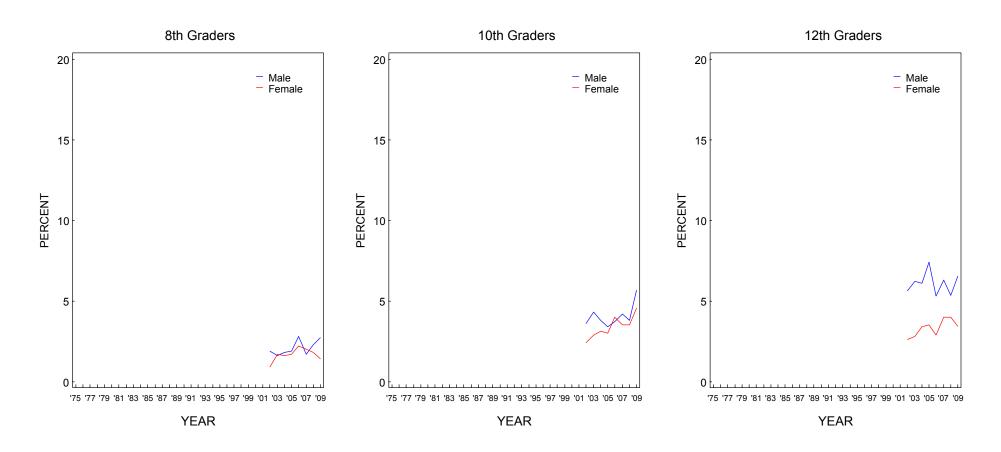


FIGURE 92 OxyContin: Trends in Annual Prevalence by College Plans

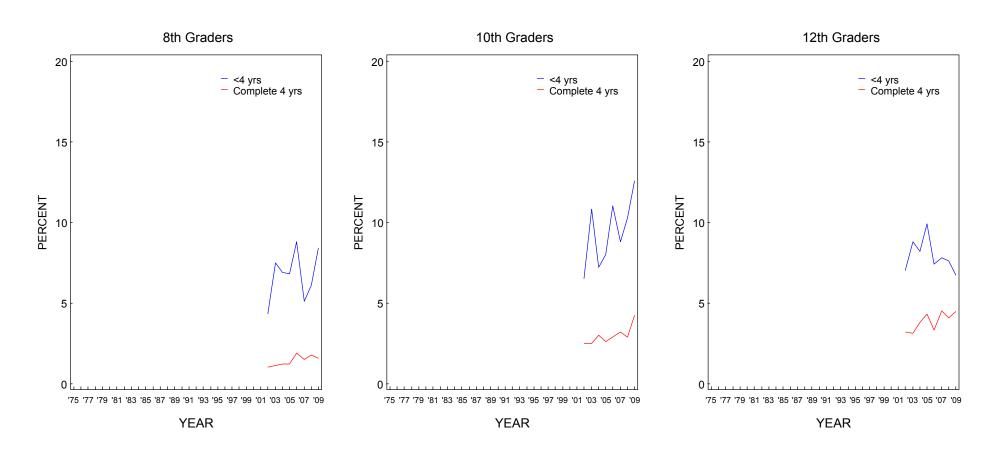


FIGURE 93
OxyContin: Trends in Annual Prevalence by Region

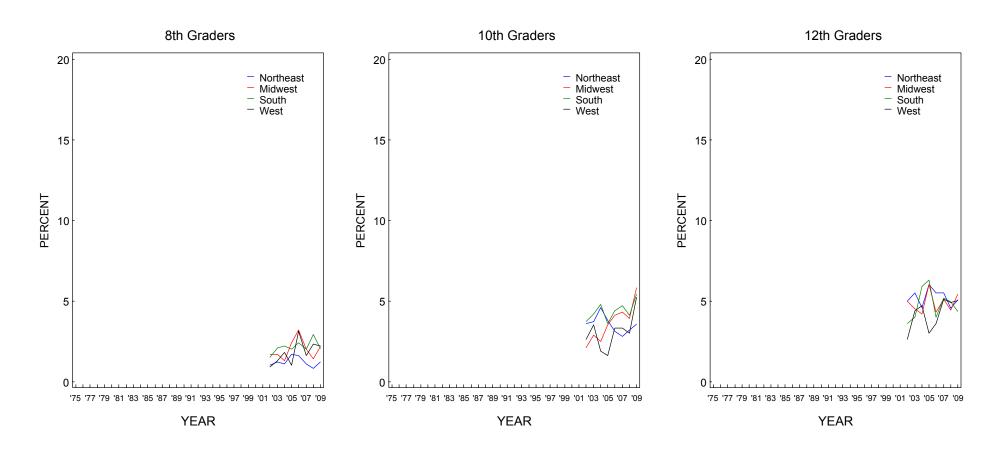


FIGURE 94
OxyContin: Trends in Annual Prevalence by Population Density

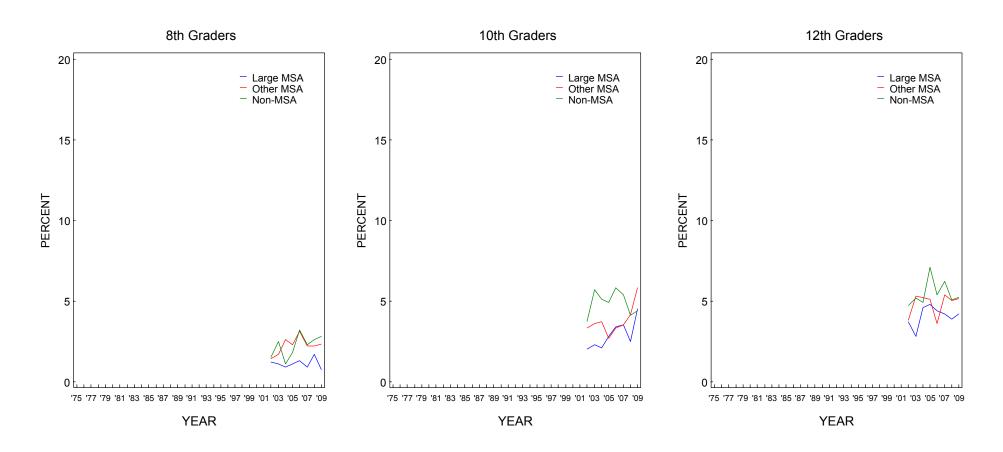


FIGURE 95
OxyContin: Trends in Annual Prevalence by Average Education Level of Parents

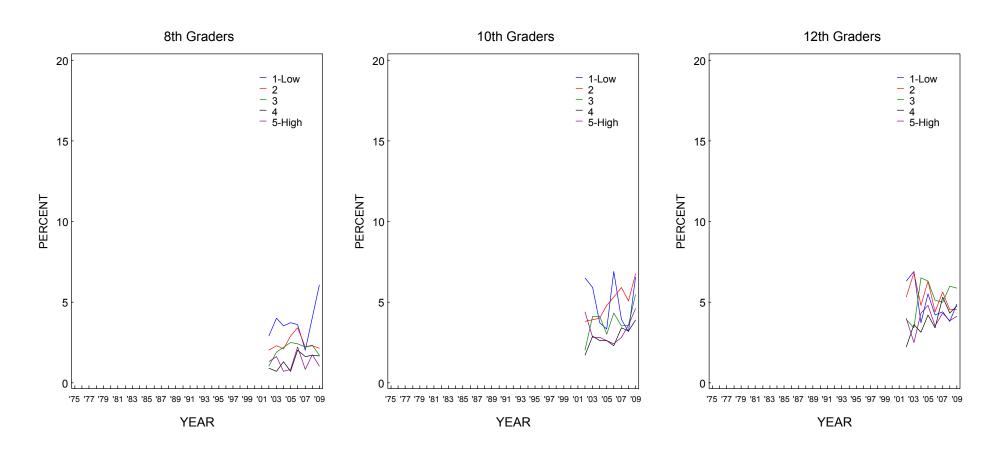
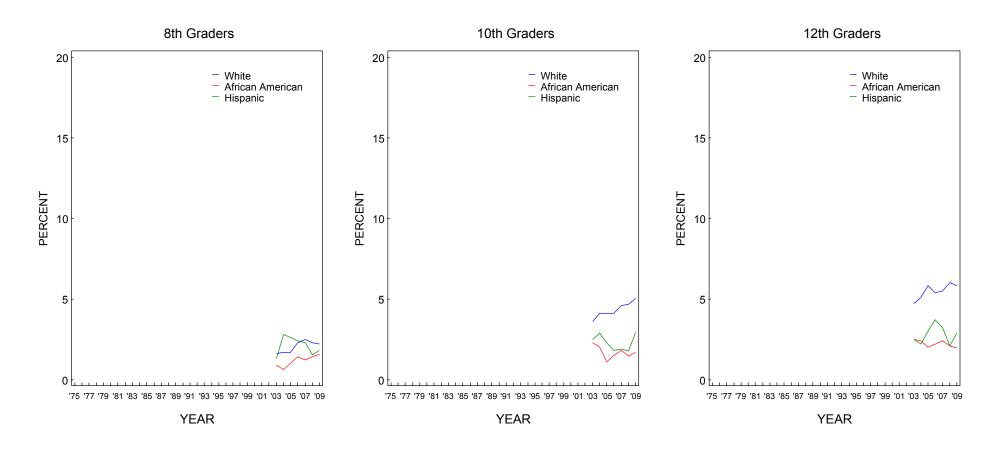


FIGURE 96
OxyContin: Trends in Annual Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 97 Vicodin: Trends in Annual Prevalence by Gender

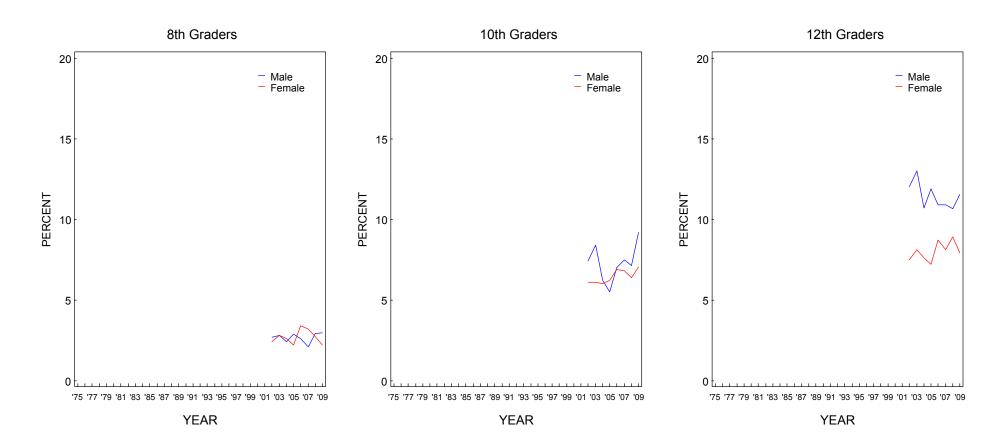


FIGURE 98 Vicodin: Trends in Annual Prevalence by College Plans

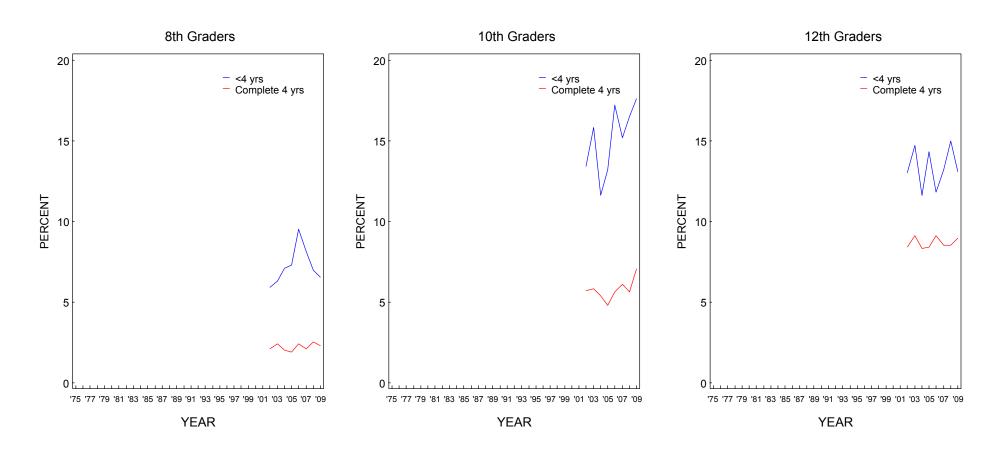


FIGURE 99 Vicodin: Trends in Annual Prevalence by Region

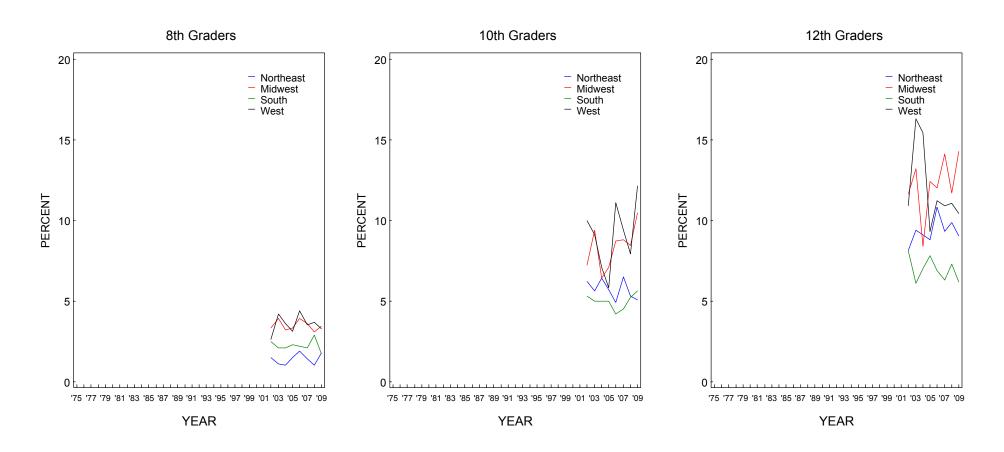


FIGURE 100 Vicodin: Trends in Annual Prevalence by Population Density

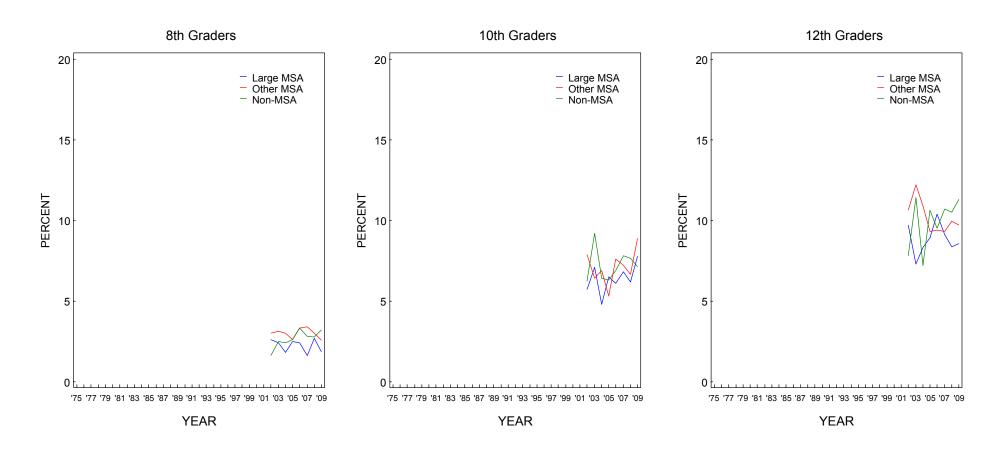


FIGURE 101 Vicodin: Trends in Annual Prevalence by Average Education Level of Parents

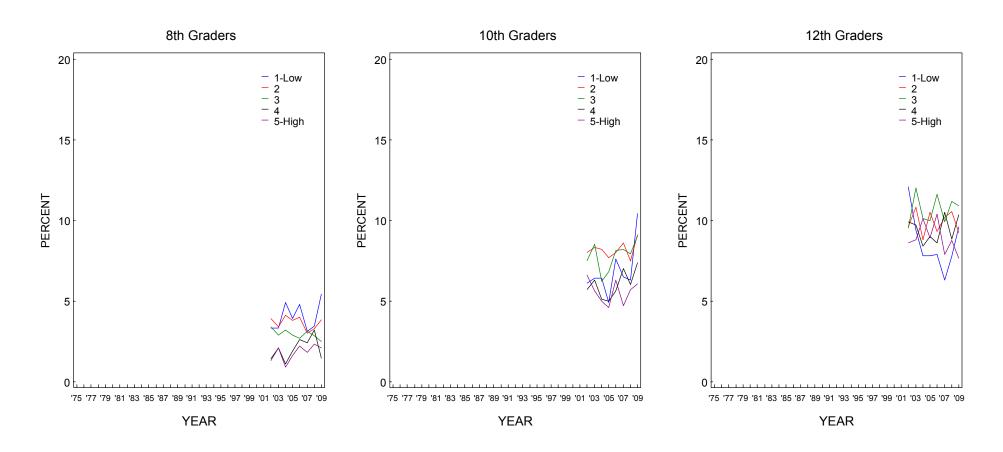
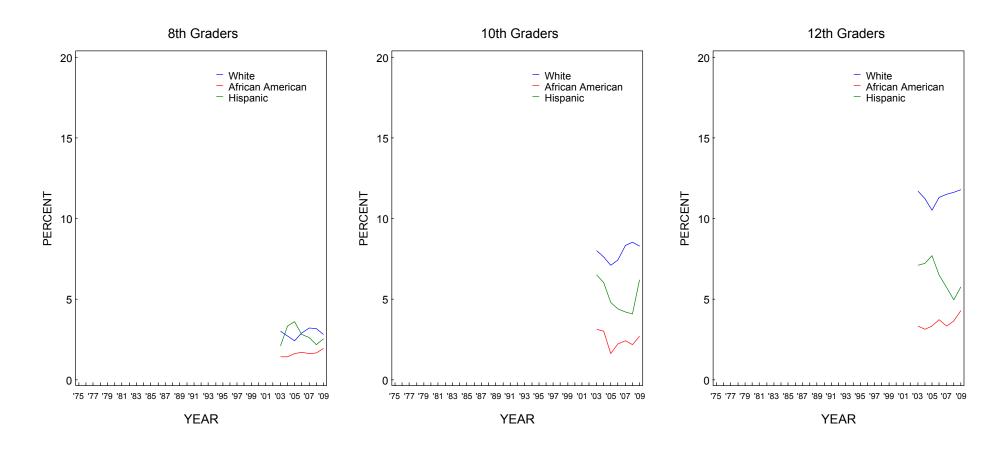
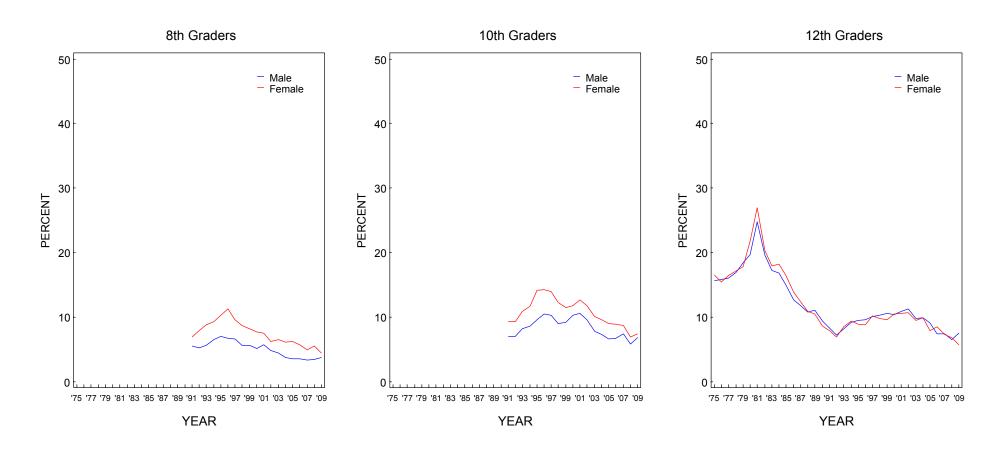


FIGURE 102
Vicodin: Trends in Annual Prevalence by Race/Ethnicity\*



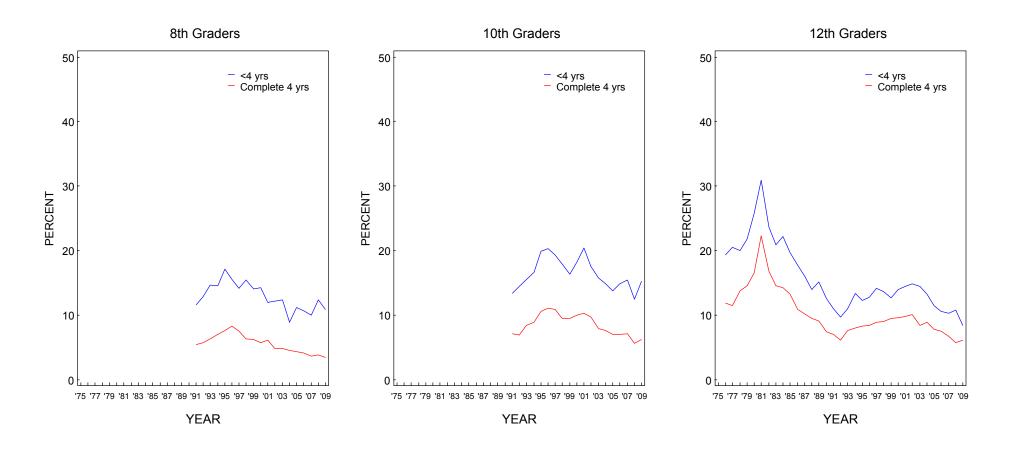
<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 103
Amphetamines:\* Trends in Annual Prevalence by Gender



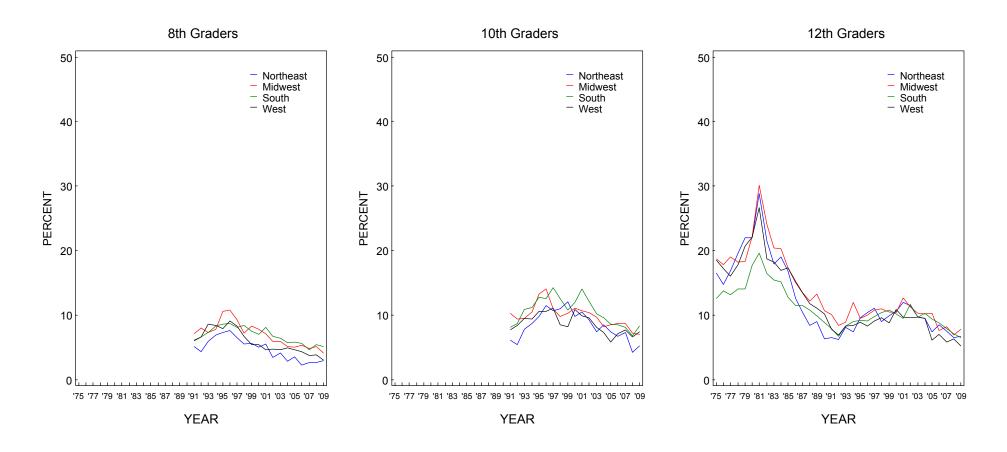
<sup>\*</sup>After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

FIGURE 104 Amphetamines:\* Trends in Annual Prevalence by College Plans



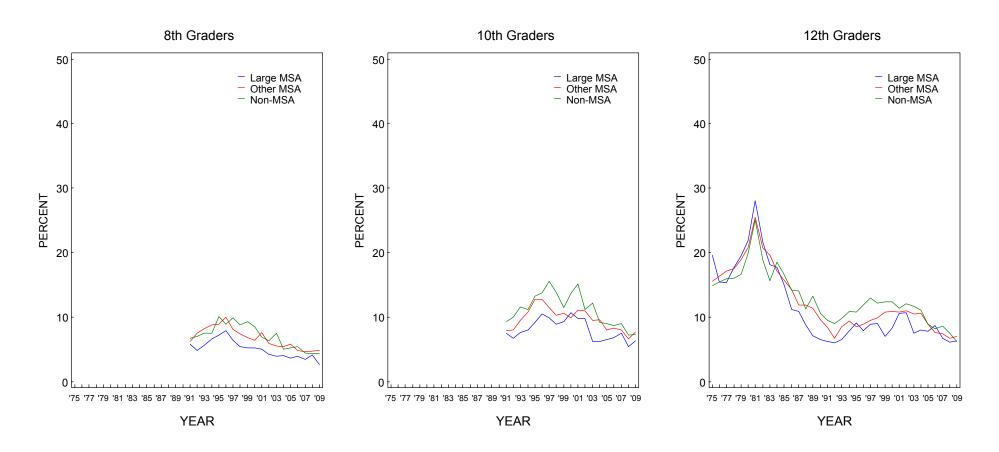
<sup>\*</sup>After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

FIGURE 105 Amphetamines:\* Trends in Annual Prevalence by Region



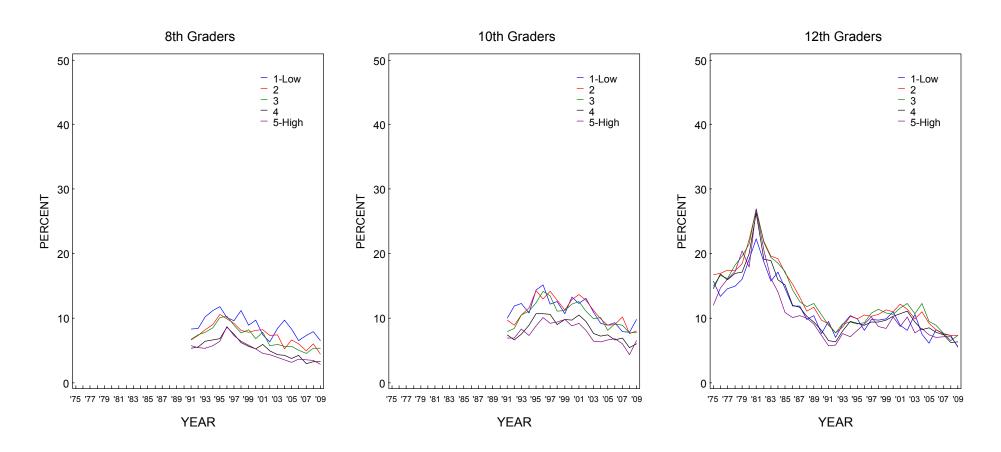
\*After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

FIGURE 106
Amphetamines:\* Trends in Annual Prevalence by Population Density



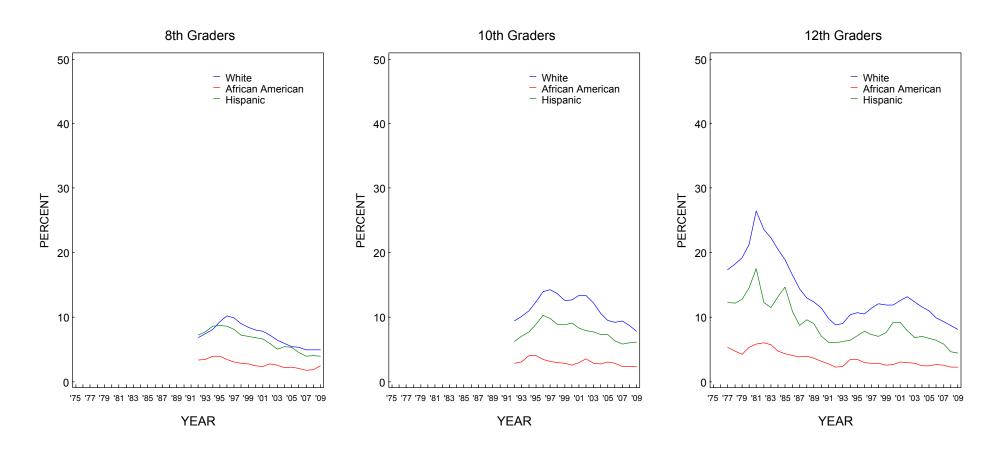
<sup>\*</sup>After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

FIGURE 107
Amphetamines:\* Trends in Annual Prevalence by Average Education Level of Parents



<sup>\*</sup>After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

FIGURE 108
Amphetamines:\* Trends in Annual Prevalence by Race/Ethnicity\*\*



<sup>\*</sup>After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

<sup>\*\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 109
Ritalin: Trends in Annual Prevalence by Gender

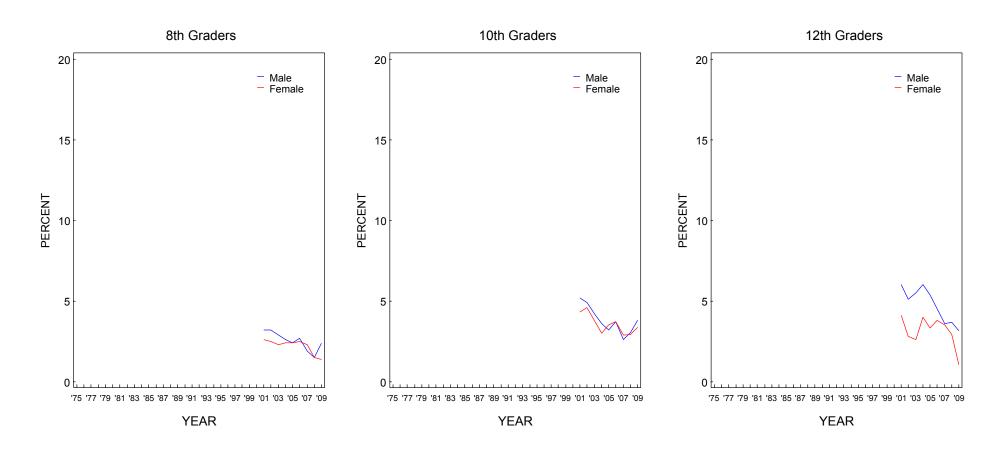


FIGURE 110
Ritalin: Trends in Annual Prevalence by College Plans

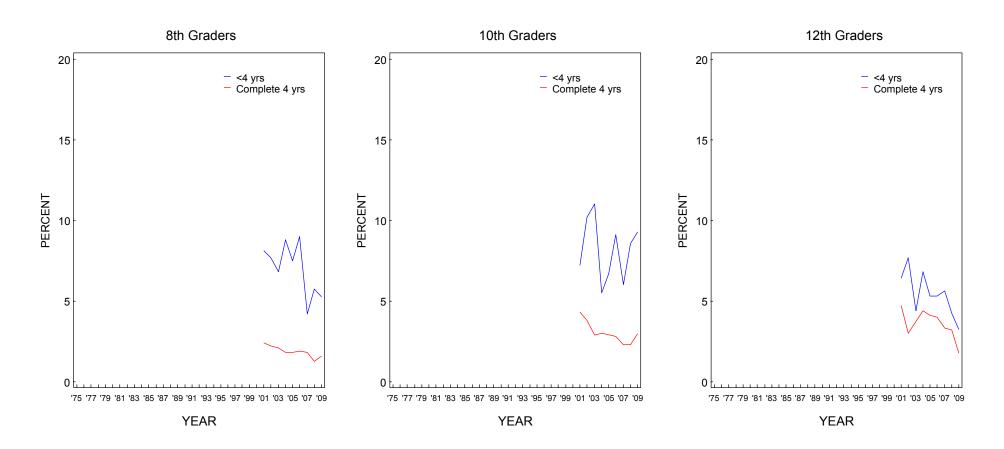


FIGURE 111
Ritalin: Trends in Annual Prevalence by Region

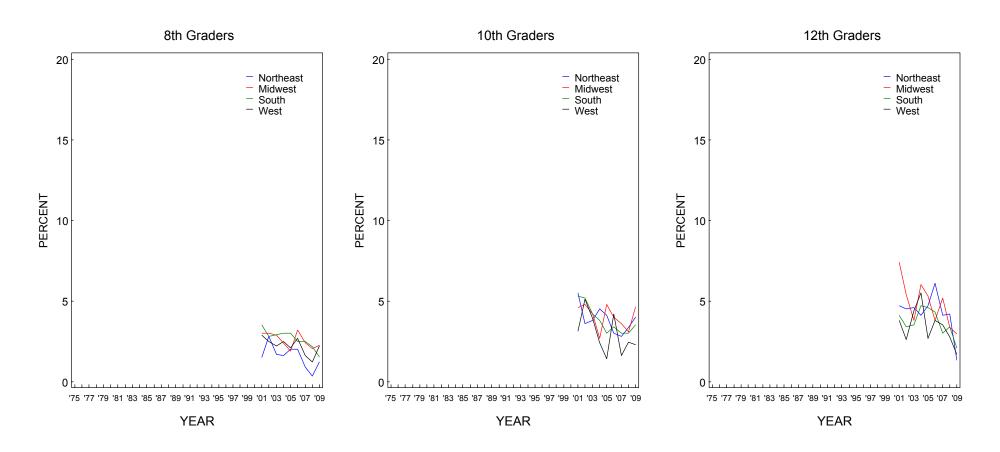


FIGURE 112
Ritalin: Trends in Annual Prevalence by Population Density

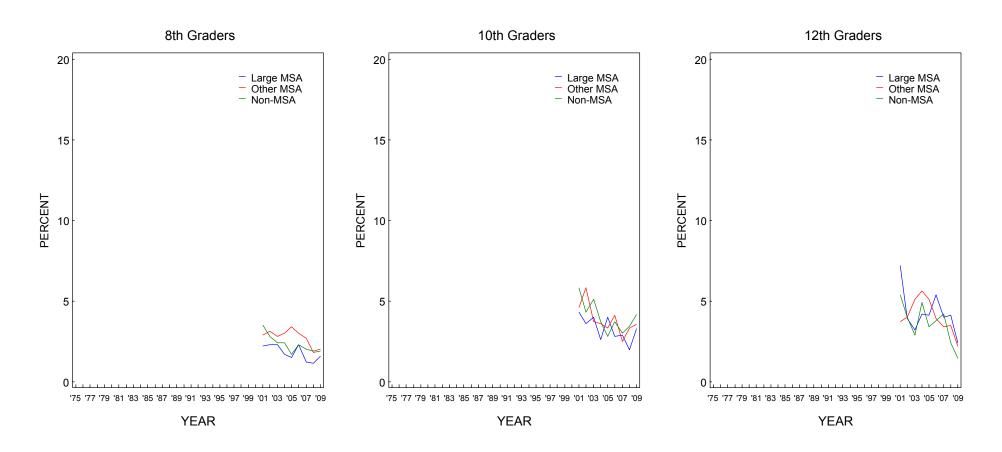


FIGURE 113
Ritalin: Trends in Annual Prevalence by Average Education Level of Parents

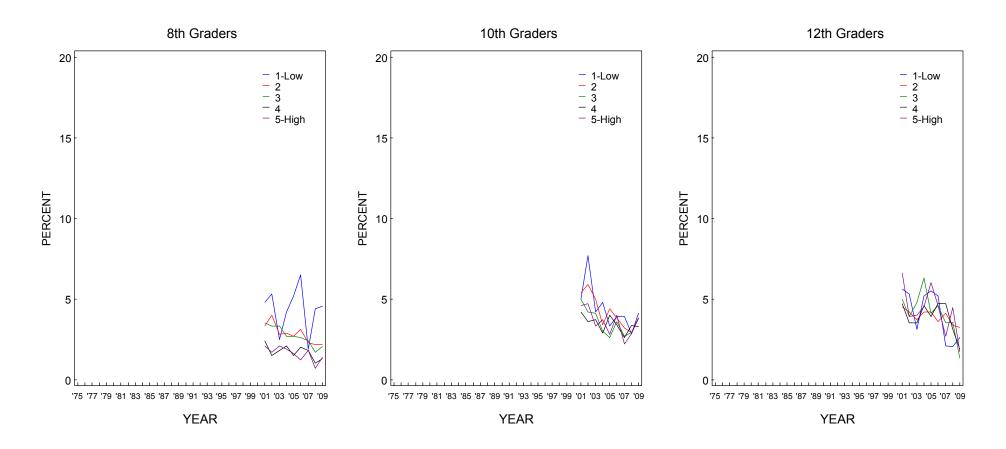
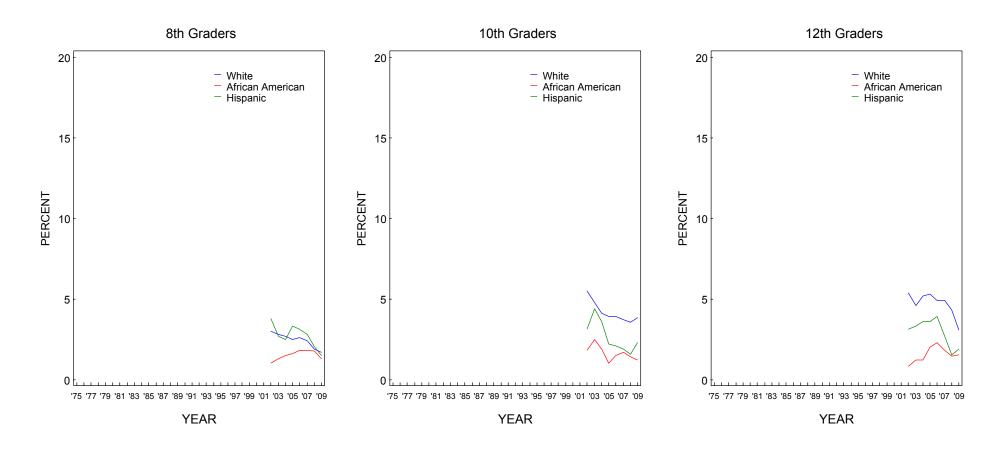


FIGURE 114
Ritalin: Trends in Annual Prevalence by Race/Ethnicity\*



 $\label{eq:Source.} \textbf{Source.} \ \ \textbf{The Monitoring the Future study, the University of Michigan.}$ 

<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 115
Methamphetamine: Trends in Annual Prevalence by Gender

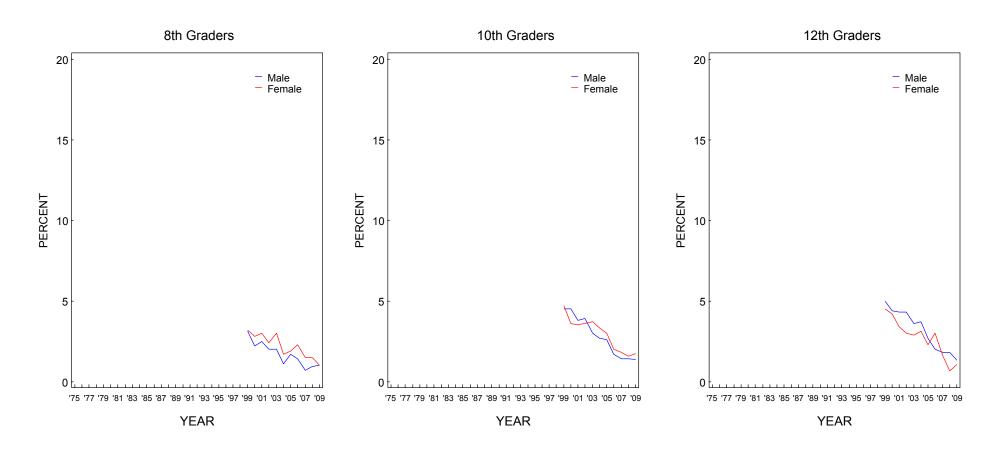


FIGURE 116 Methamphetamine: Trends in Annual Prevalence by College Plans

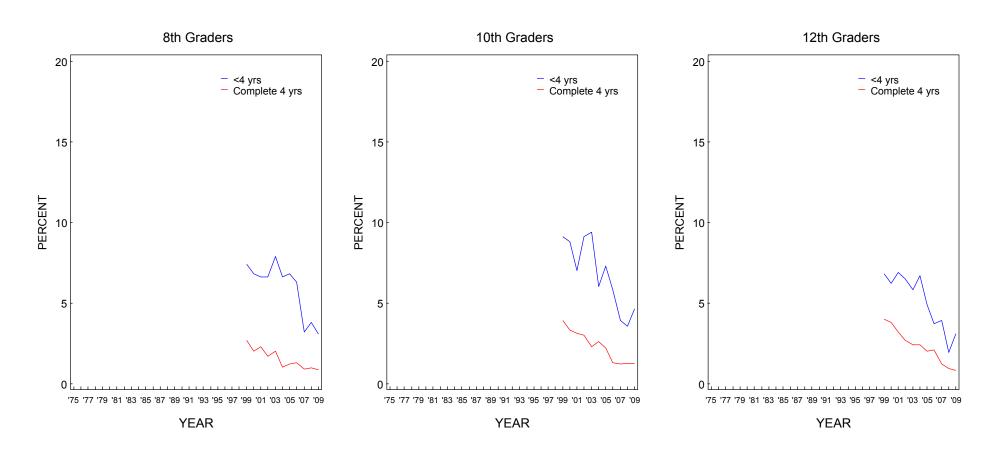


FIGURE 117
Methamphetamine: Trends in Annual Prevalence by Region

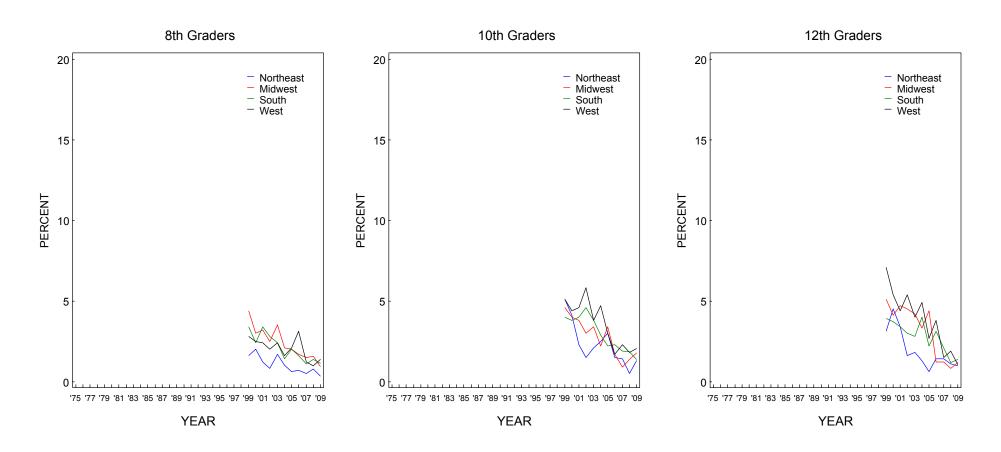


FIGURE 118
Methamphetamine: Trends in Annual Prevalence by Population Density

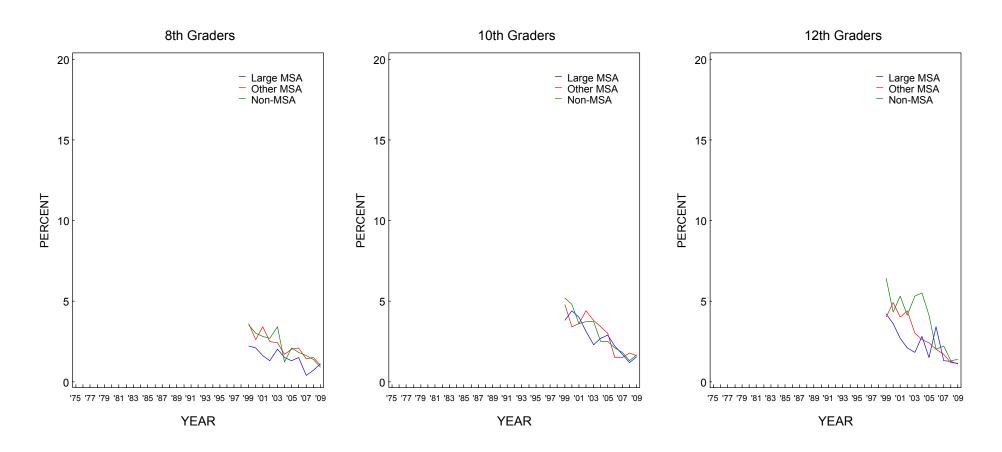


FIGURE 119
Methamphetamine: Trends in Annual Prevalence by Average Education Level of Parents

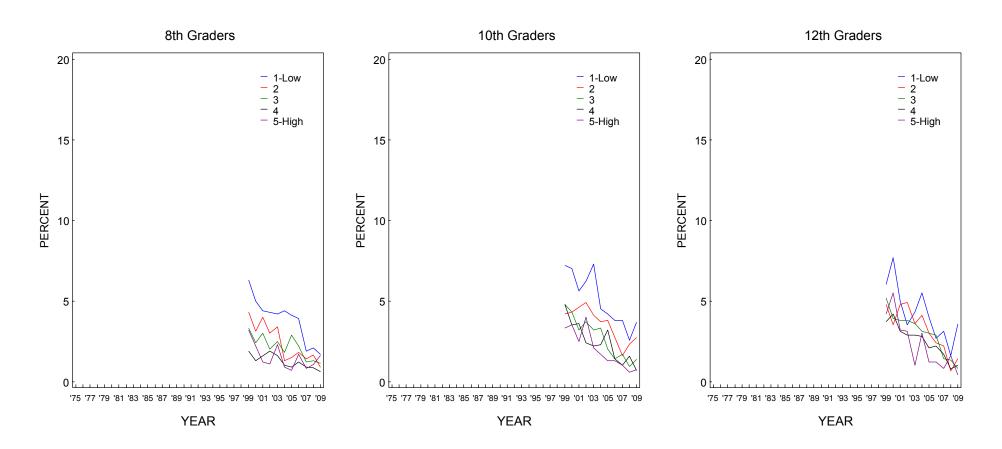
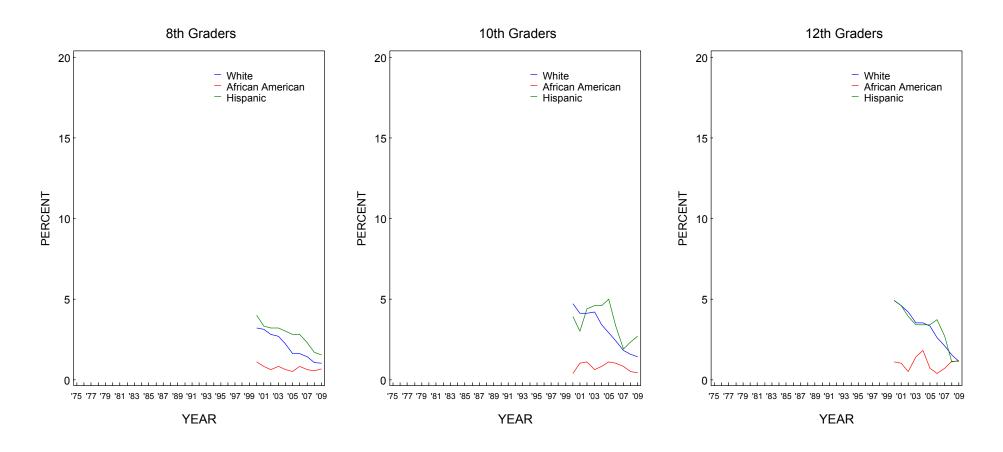


FIGURE 120 Methamphetamine: Trends in Annual Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 121 Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Gender

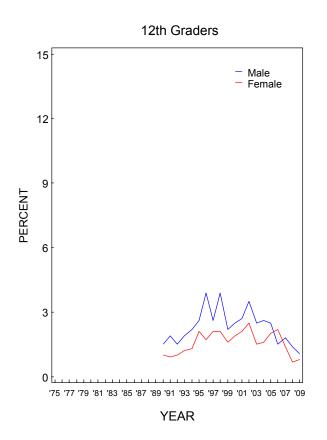


FIGURE 122 Crystal Methamphetamine (Ice): Trends in Annual Prevalence by College Plans

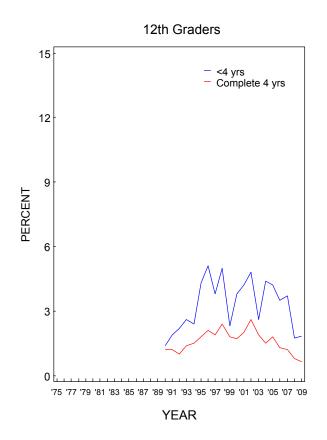


FIGURE 123 Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Region

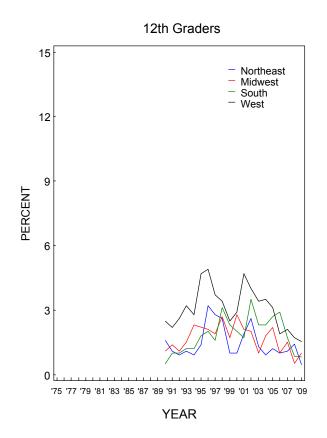


FIGURE 124 Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Population Density

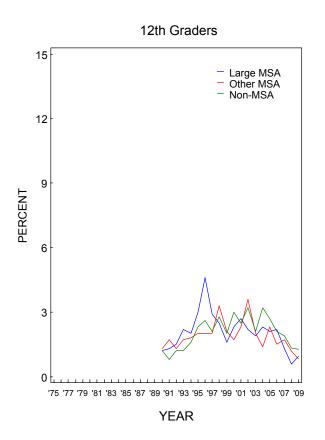


FIGURE 125 Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Average Education Level of Parents

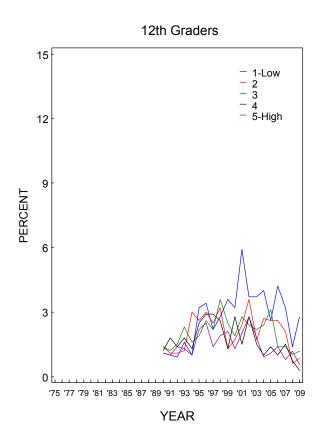
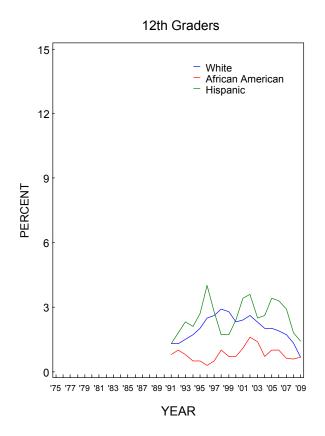


FIGURE 126
Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Race/Ethnicity\*



\*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 127 Sedatives (Barbiturates): Trends in Annual Prevalence by Gender

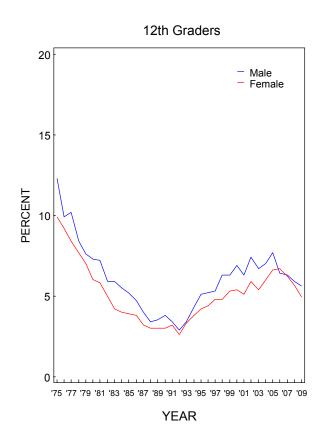


FIGURE 128 Sedatives (Barbiturates): Trends in Annual Prevalence by College Plans

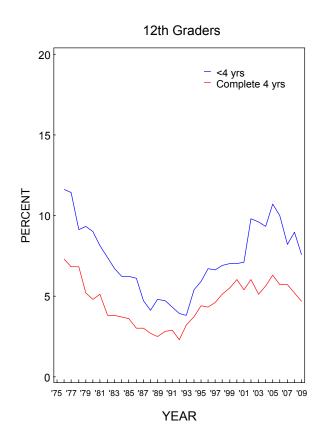


FIGURE 129 Sedatives (Barbiturates): Trends in Annual Prevalence by Region

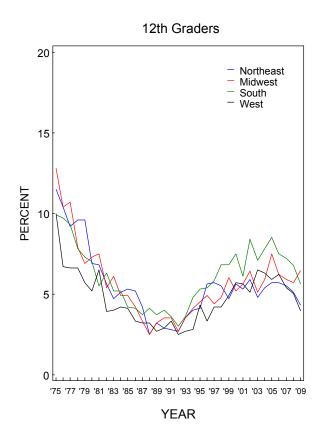


FIGURE 130 Sedatives (Barbiturates): Trends in Annual Prevalence by Population Density

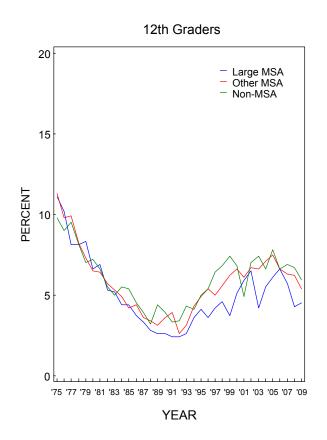


FIGURE 131 Sedatives (Barbiturates): Trends in Annual Prevalence by Average Education Level of Parents

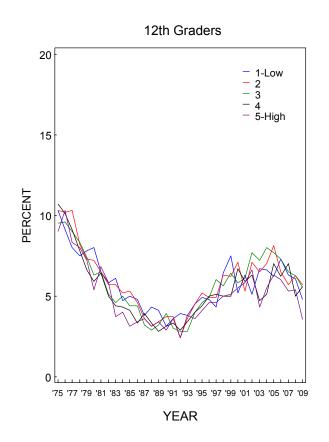
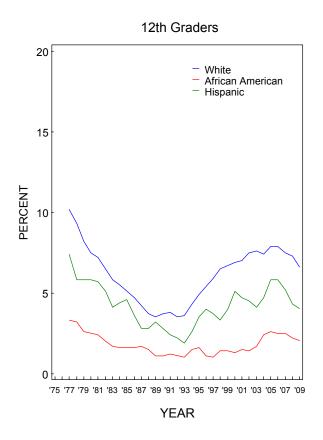
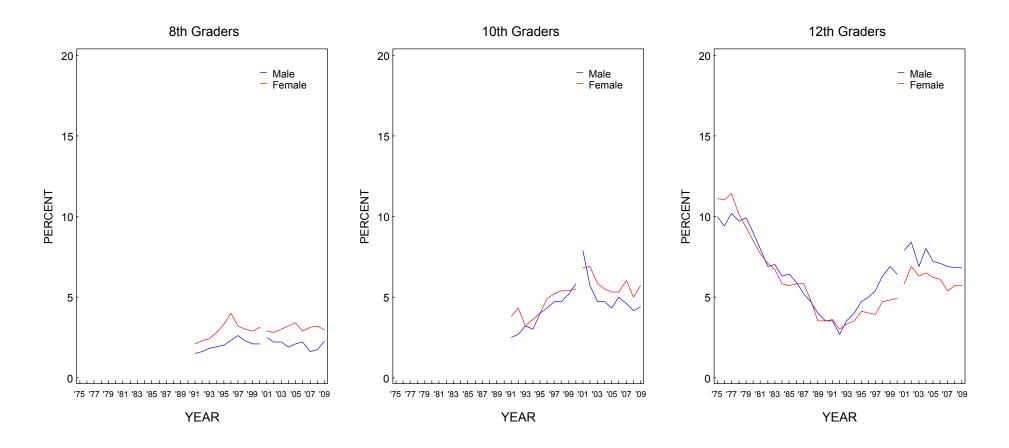


FIGURE 132
Sedatives (Barbiturates): Trends in Annual Prevalence by Race/Ethnicity\*



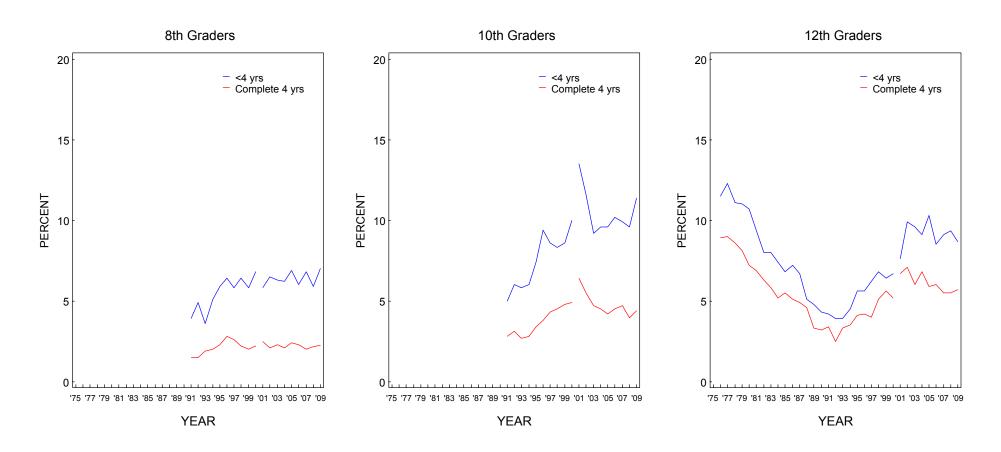
\*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 133
Tranquilizers:\* Trends in Annual Prevalence by Gender



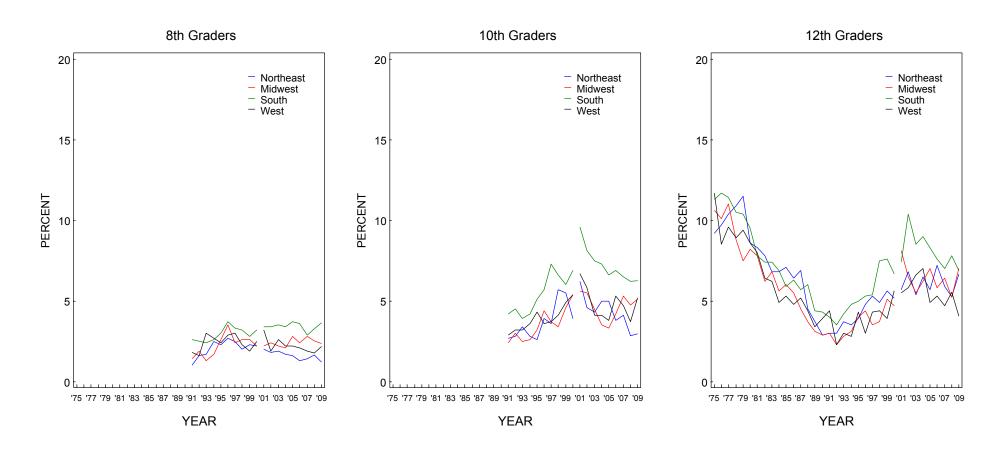
<sup>\*</sup>Beginning in 2001, a revised set of questions on tranquilizer use was introduced. Refer to corresponding tables for further details.

FIGURE 134
Tranquilizers:\* Trends in Annual Prevalence by College Plans



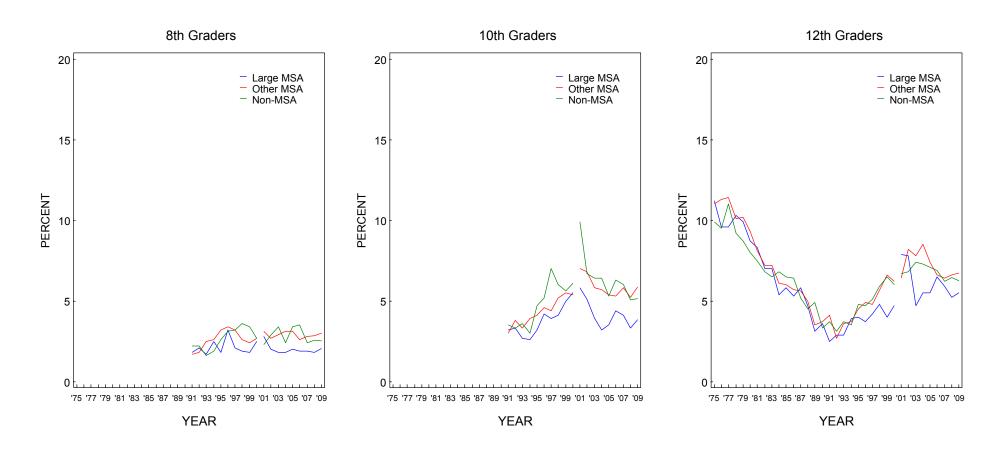
<sup>\*</sup>Beginning in 2001, a revised set of questions on tranquilizer use was introduced. Refer to corresponding tables for further details.

FIGURE 135
Tranquilizers:\* Trends in Annual Prevalence by Region



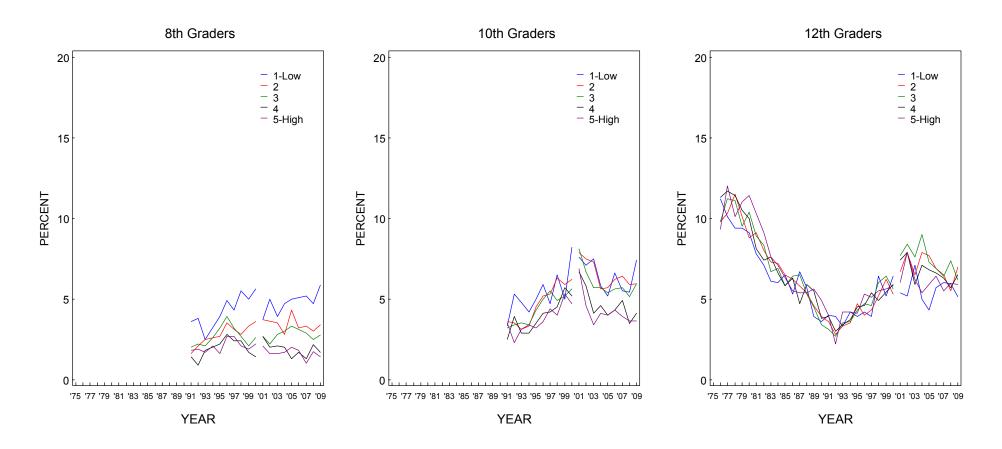
<sup>\*</sup>Beginning in 2001, a revised set of questions on tranquilizer use was introduced. Refer to corresponding tables for further details.

FIGURE 136
Tranquilizers:\* Trends in Annual Prevalence by Population Density



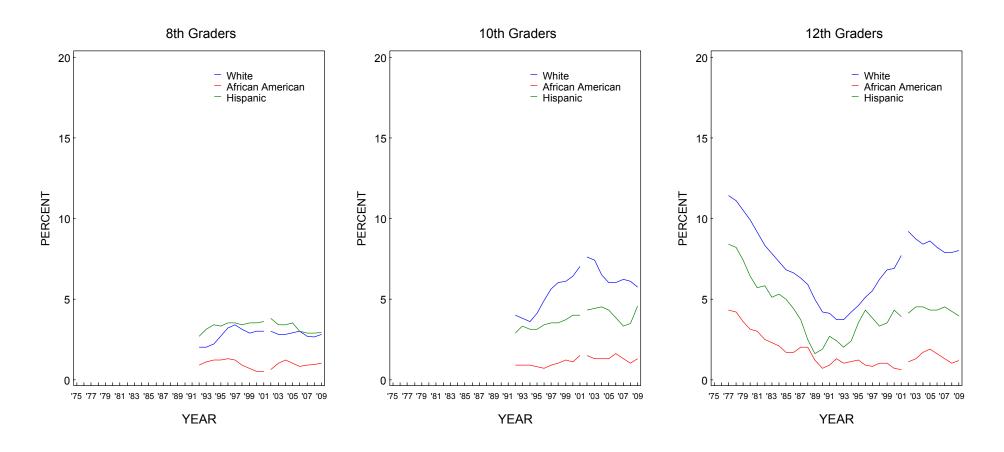
<sup>\*</sup>Beginning in 2001, a revised set of questions on tranquilizer use was introduced. Refer to corresponding tables for further details.

FIGURE 137
Tranquilizers:\* Trends in Annual Prevalence by Average Education Level of Parents



<sup>\*</sup>Beginning in 2001, a revised set of questions on tranquilizer use was introduced. Refer to corresponding tables for further details.

FIGURE 138
Tranquilizers:\* Trends in Annual Prevalence by Race/Ethnicity\*\*



<sup>\*</sup>Beginning in 2001, a revised set of questions on tranquilizer use was introduced. Refer to corresponding tables for further details.

<sup>\*\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 139
Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence by Gender

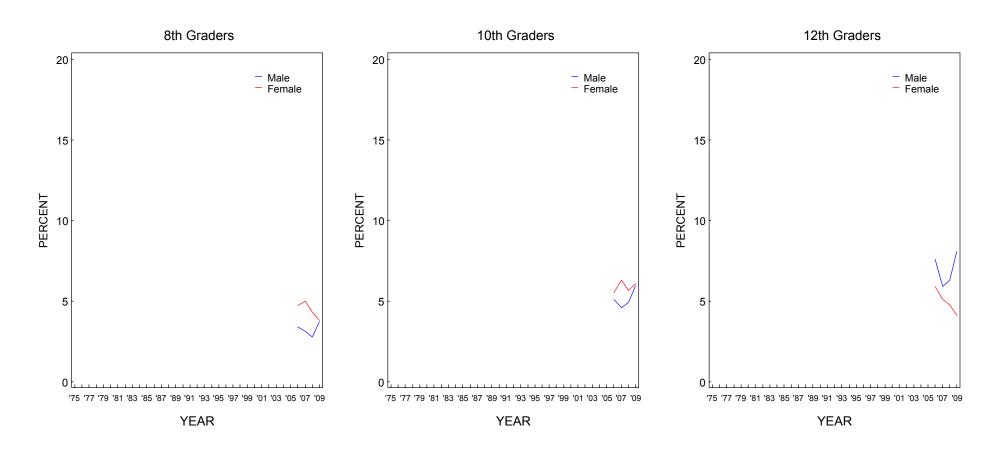


FIGURE 140 Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence by College Plans

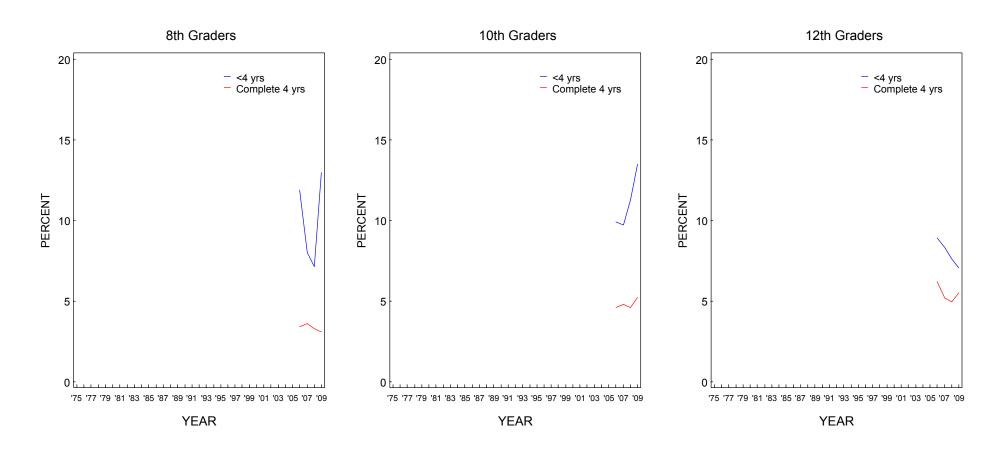


FIGURE 141 Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence by Region

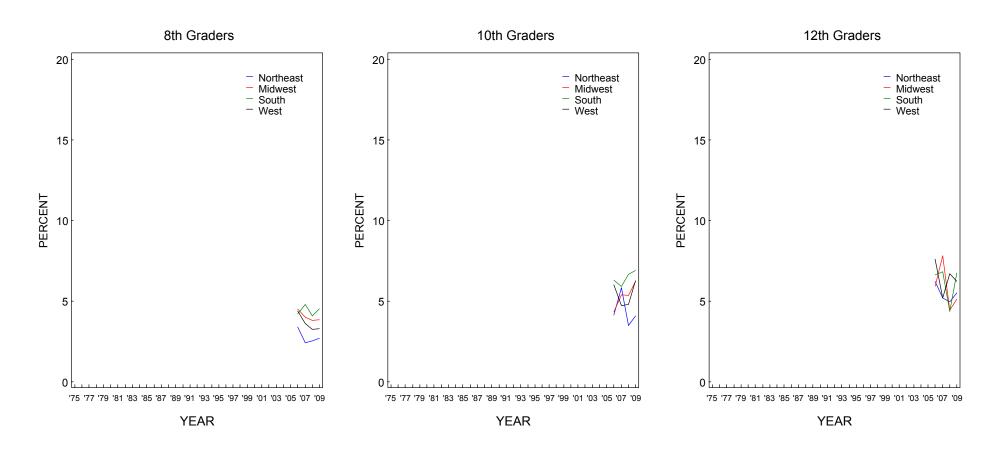


FIGURE 142
Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence by Population Density

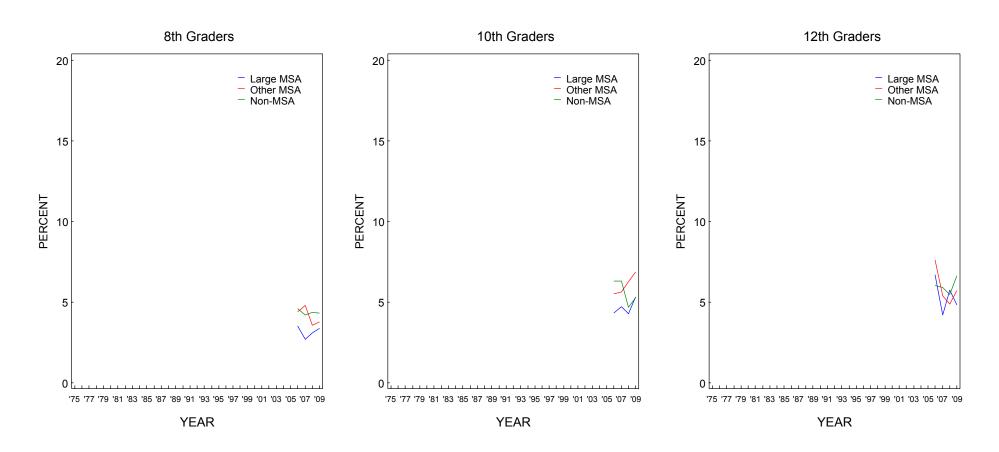


FIGURE 143
Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence by Average Education Level of Parents

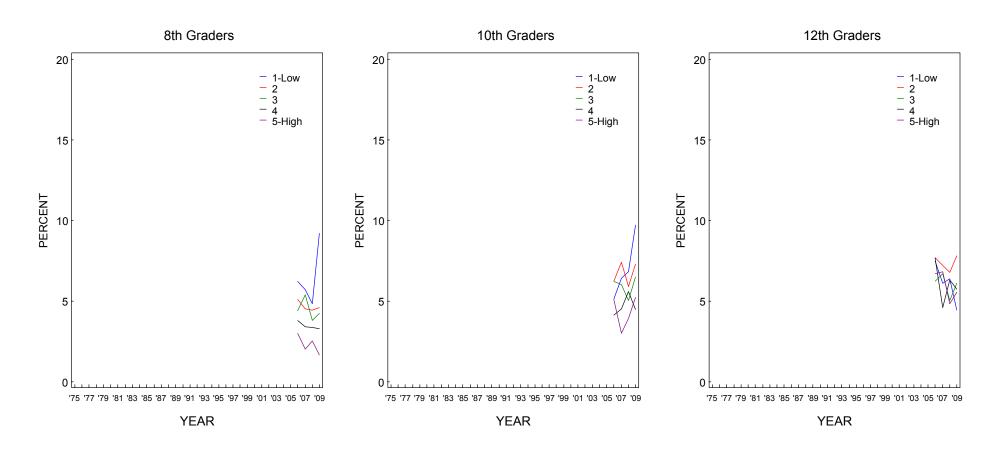
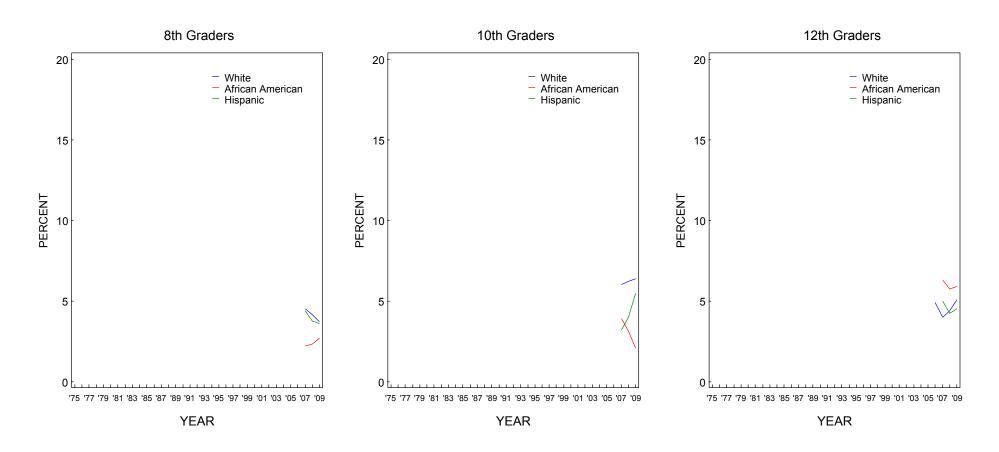
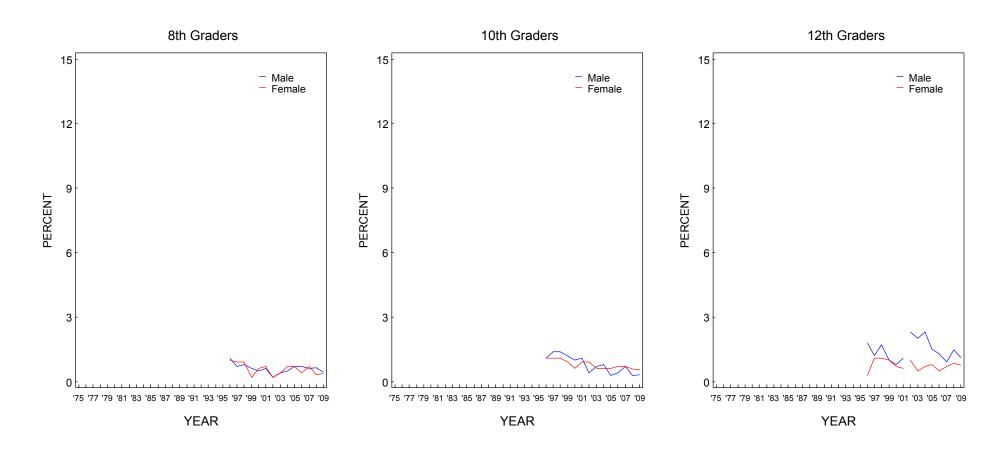


FIGURE 144
Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence by Race/Ethnicity\*



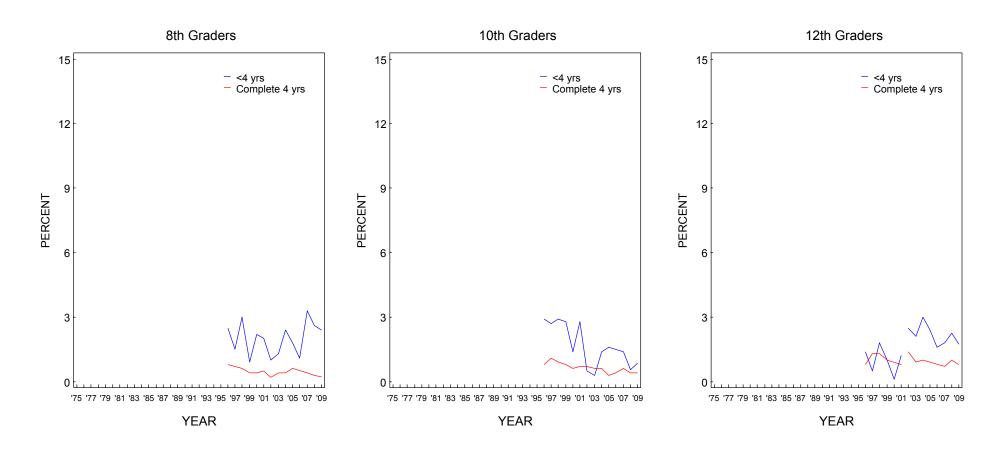
<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 145
Rohypnol:\* Trends in Annual Prevalence by Gender



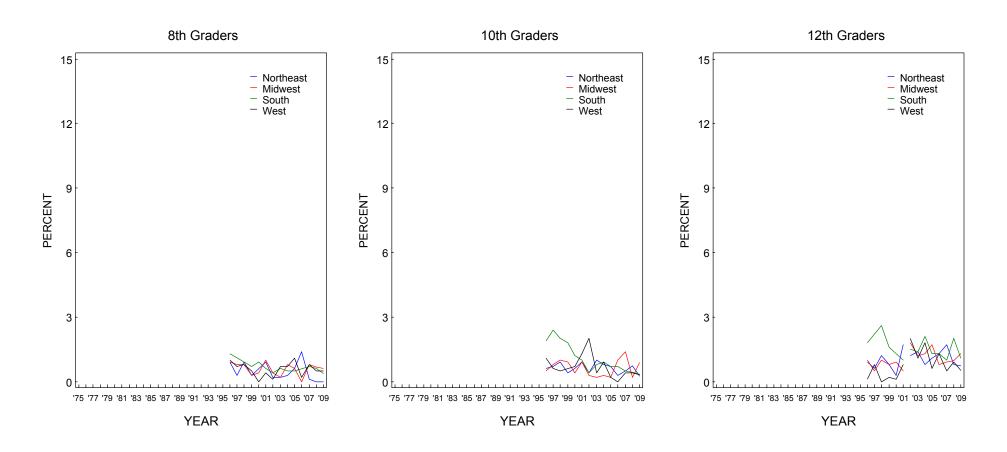
<sup>\*</sup>Beginning in 2002, a revised set of questions on Rohypnol use was introduced. Refer to corresponding tables for further details.

FIGURE 146
Rohypnol:\* Trends in Annual Prevalence by College Plans



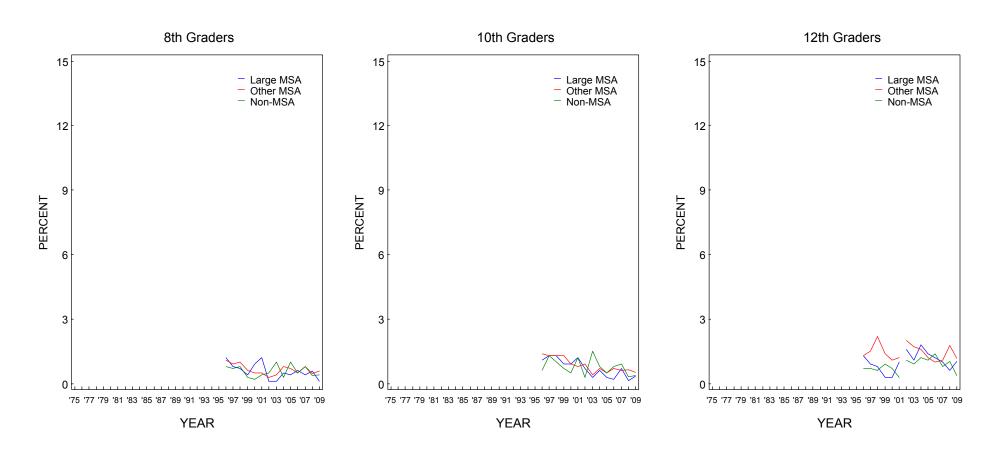
<sup>\*</sup>Beginning in 2002, a revised set of questions on Rohypnol use was introduced. Refer to corresponding tables for further details.

FIGURE 147
Rohypnol:\* Trends in Annual Prevalence by Region



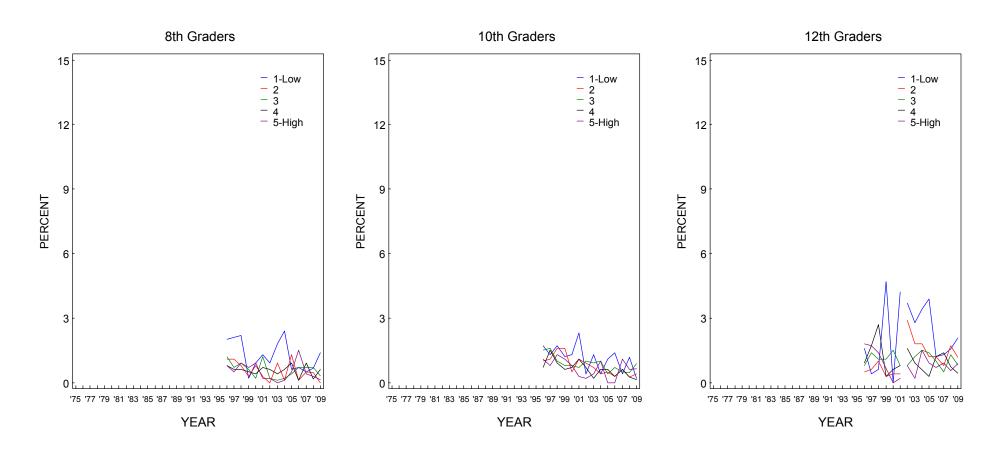
<sup>\*</sup>Beginning in 2002, a revised set of questions on Rohypnol use was introduced. Refer to corresponding tables for further details.

FIGURE 148
Rohypnol:\* Trends in Annual Prevalence by Population Density



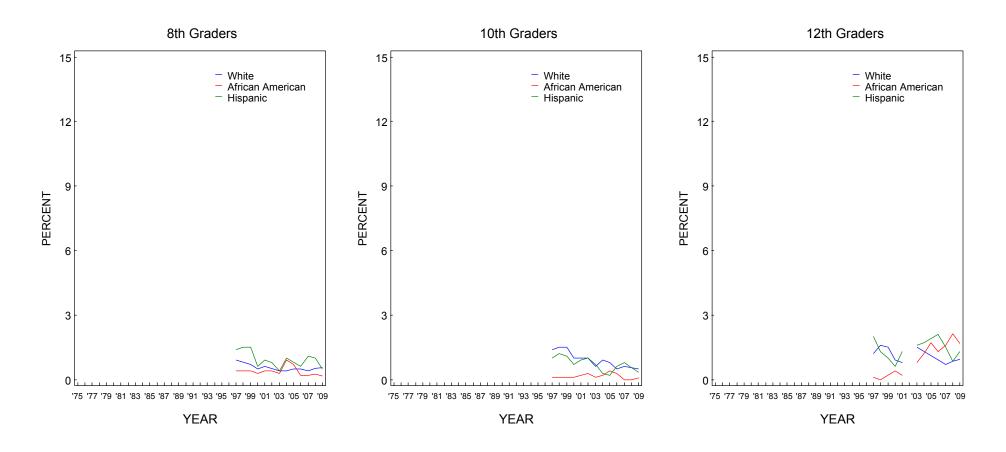
<sup>\*</sup>Beginning in 2002, a revised set of questions on Rohypnol use was introduced. Refer to corresponding tables for further details.

FIGURE 149
Rohypnol:\* Trends in Annual Prevalence by Average Education Level of Parents



<sup>\*</sup>Beginning in 2002, a revised set of questions on Rohypnol use was introduced. Refer to corresponding tables for further details.

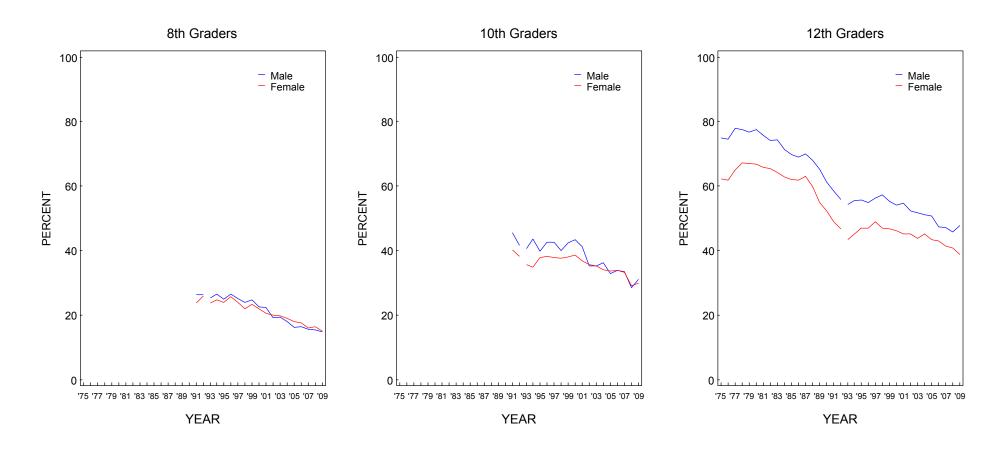
FIGURE 150
Rohypnol:\* Trends in Annual Prevalence by Race/Ethnicity\*\*



<sup>\*</sup>Beginning in 2002, a revised set of questions on Rohypnol use was introduced. Refer to corresponding tables for further details.

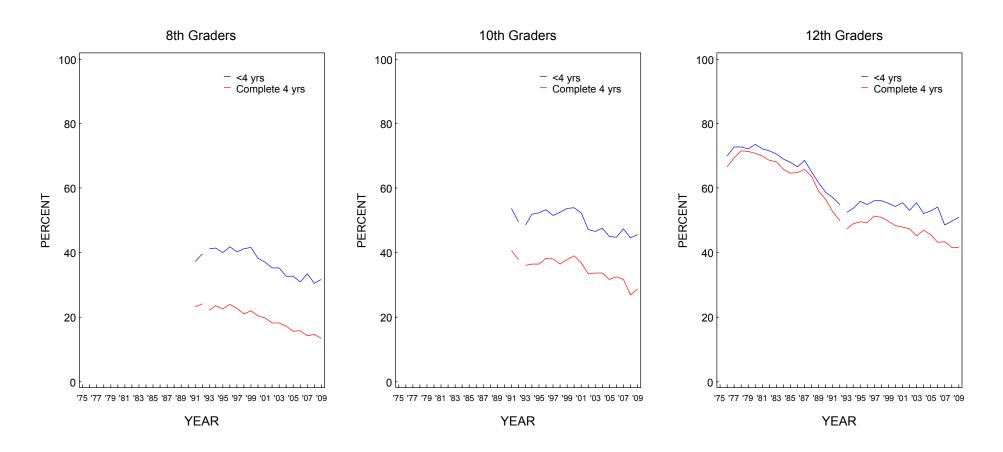
<sup>\*\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 151
Alcohol:\* Trends in 30-Day Prevalence by Gender



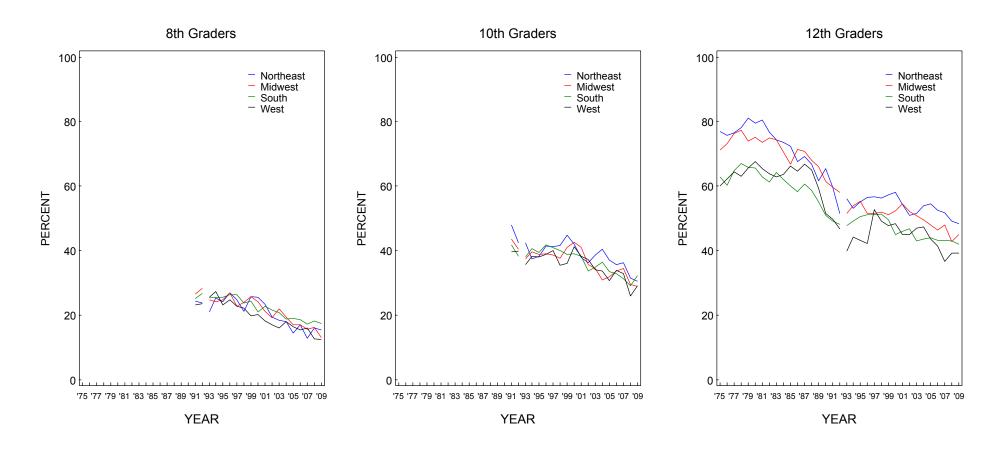
<sup>\*</sup>Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

FIGURE 152 Alcohol:\* Trends in 30-Day Prevalence by College Plans



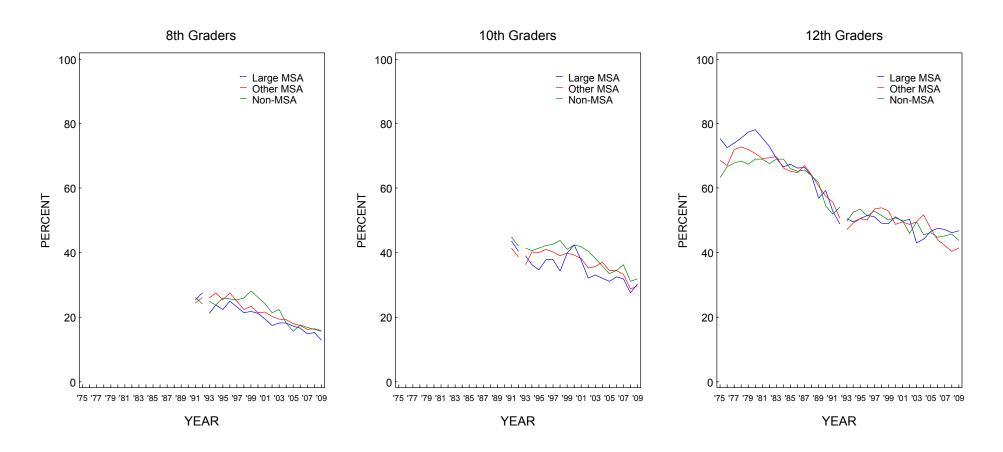
<sup>\*</sup>Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

FIGURE 153
Alcohol:\* Trends in 30-Day Prevalence by Region



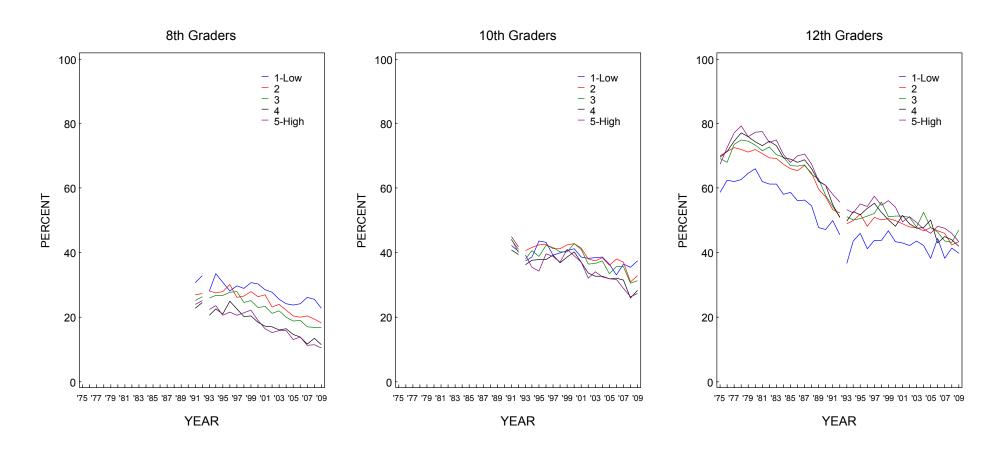
<sup>\*</sup>Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

FIGURE 154
Alcohol:\* Trends in 30-Day Prevalence by Population Density



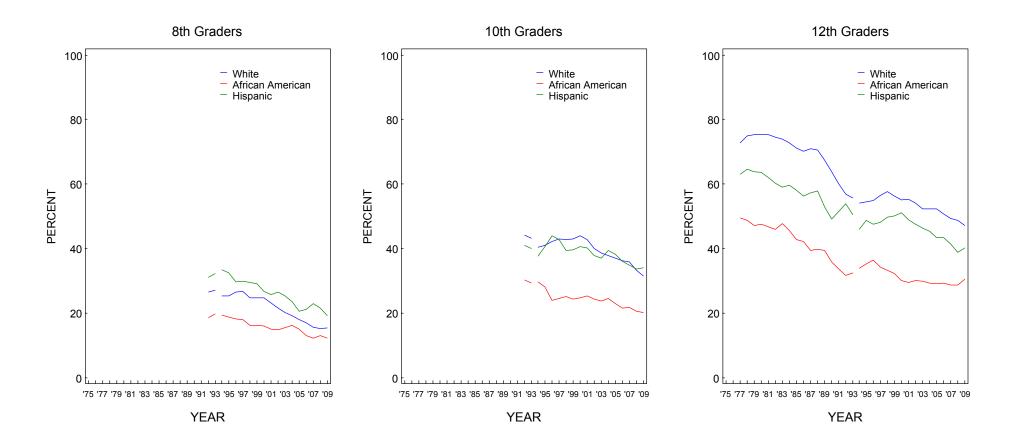
<sup>\*</sup>Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

FIGURE 155
Alcohol:\* Trends in 30-Day Prevalence by Average Education Level of Parents



<sup>\*</sup>Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

FIGURE 156
Alcohol:\* Trends in 30-Day Prevalence by Race/Ethnicity\*\*



<sup>\*</sup>Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

<sup>\*\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 157
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Gender

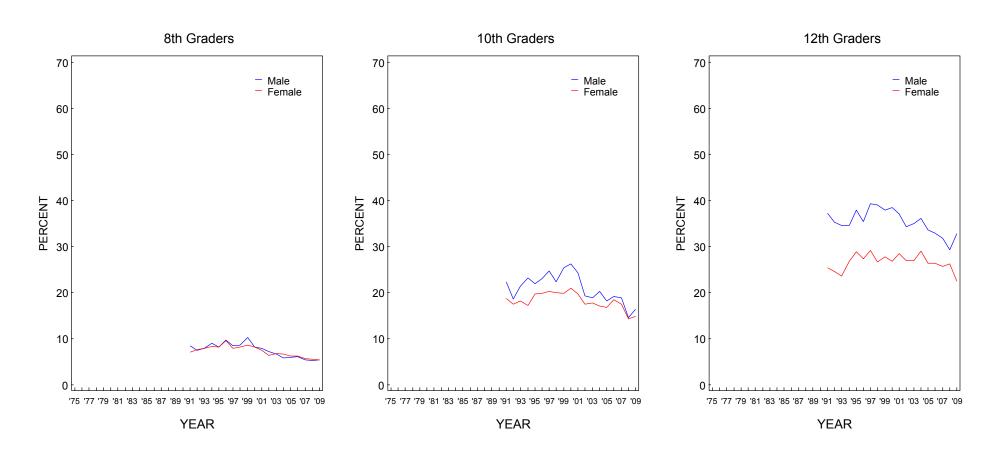


FIGURE 158
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by College Plans

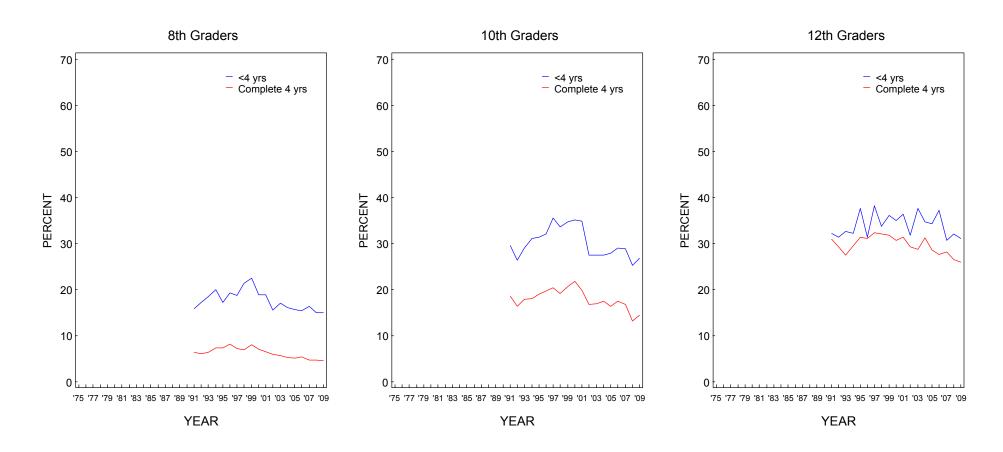


FIGURE 159
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Region

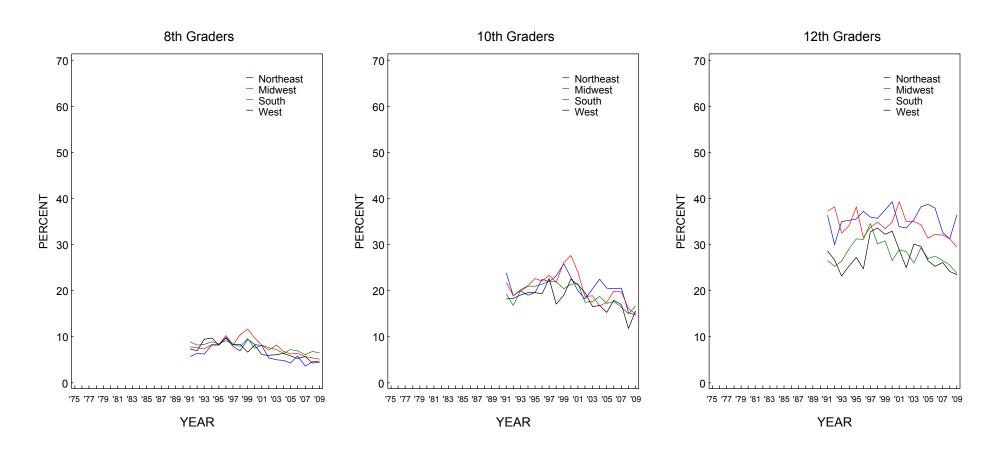


FIGURE 160 Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Population Density

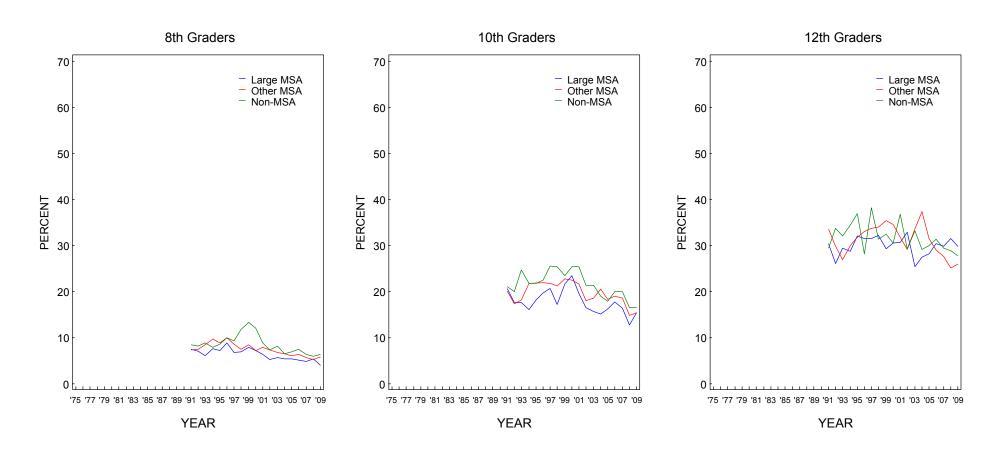


FIGURE 161
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Average Education Level of Parents

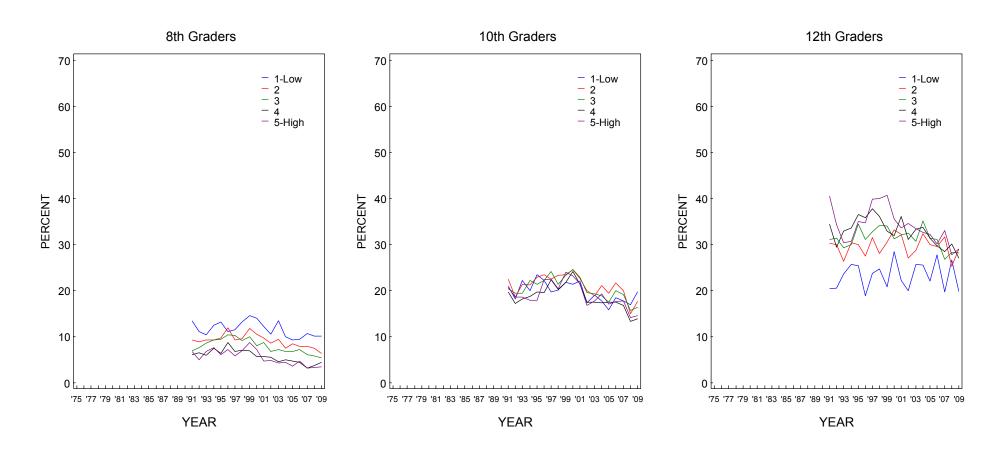
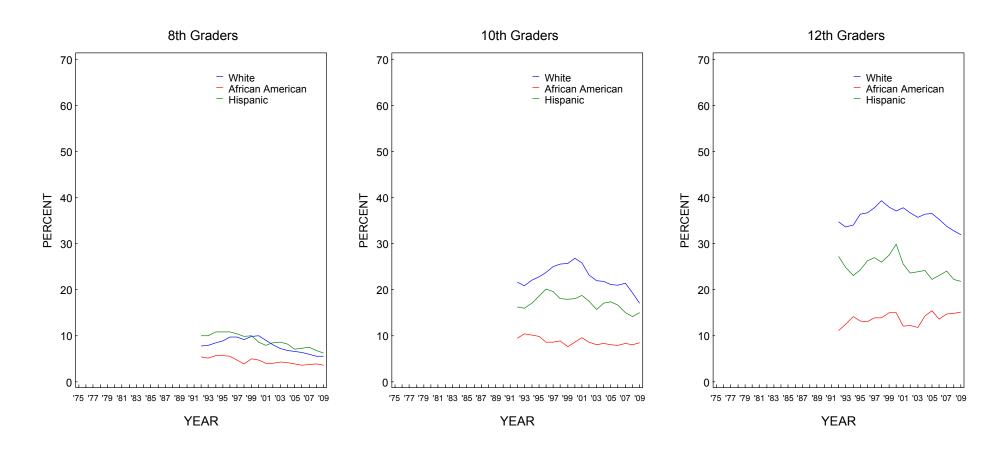
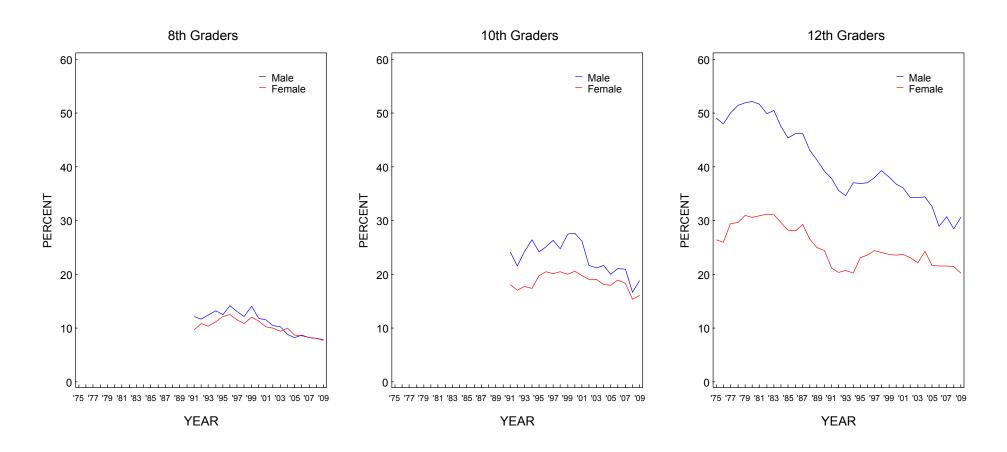


FIGURE 162
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Race/Ethnicity\*



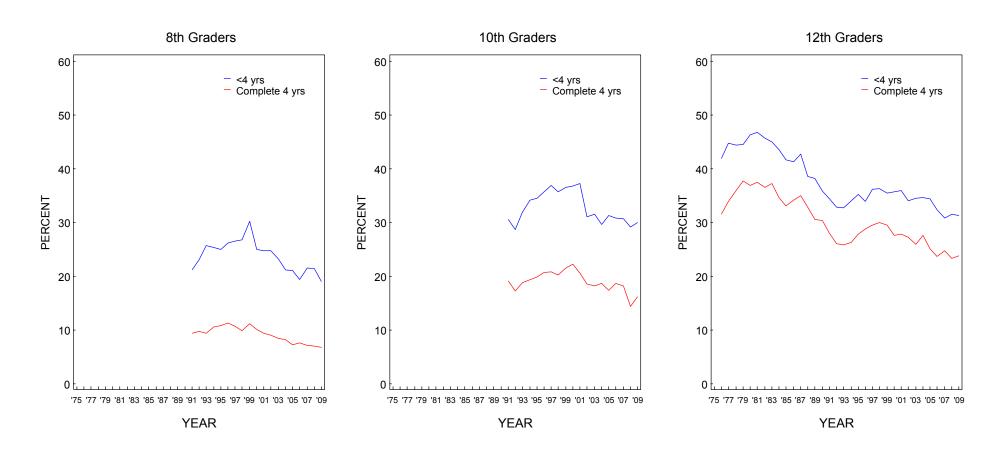
<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 163
Alcohol: Trends in 2-Week Prevalence\* of 5 or More Drinks in a Row by Gender



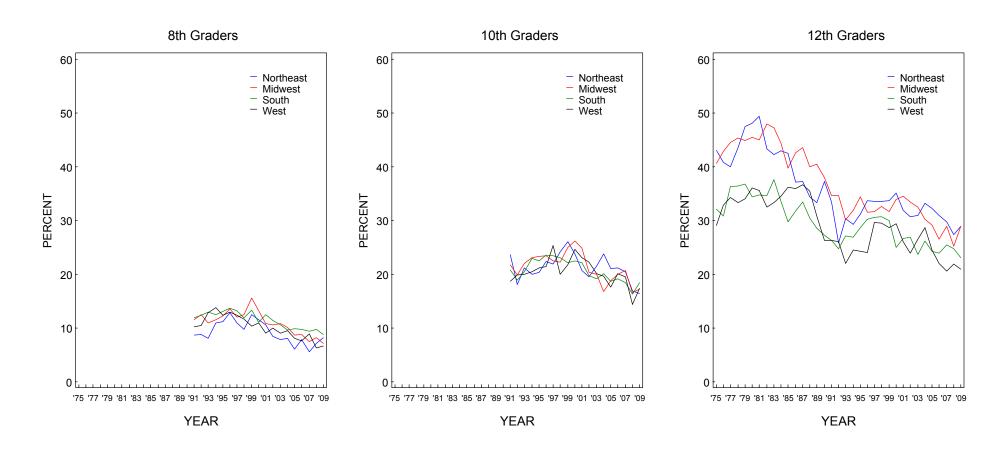
\*For 8th and 10th graders: The 1991-2007 estimates for five or more drinks in a row may differ slightly from some previous reports due to an error in the data editing process prior to 2008. The revised estimates average about 2 percentage points lower than the estimates previously reported. Those previous overestimates have been corrected in this figure. For 12th graders: Due to a coding error, previously released versions of this figure contained values that were slightly off for the measure of five or more drinks in a row for 2005 and 2006. These have been corrected here.

FIGURE 164
Alcohol: Trends in 2-Week Prevalence\* of 5 or More Drinks in a Row by College Plans



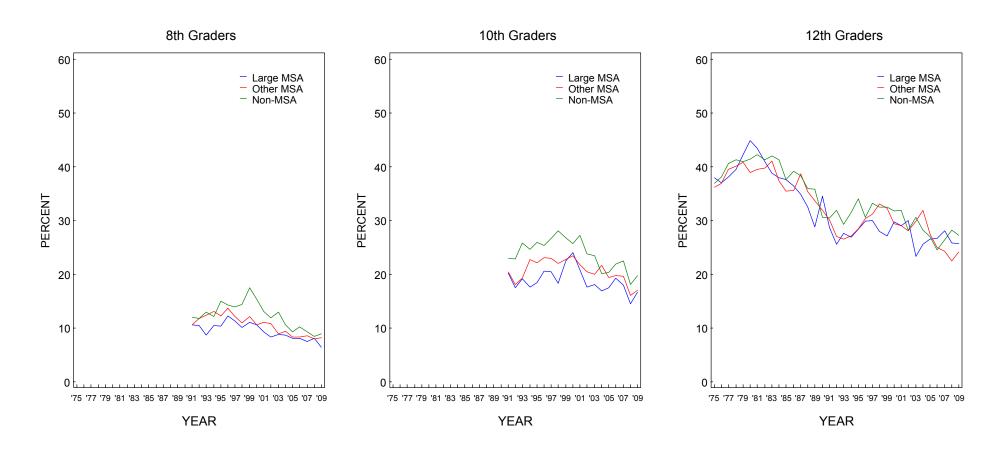
\*For 8th and 10th graders: The 1991-2007 estimates for five or more drinks in a row may differ slightly from some previous reports due to an error in the data editing process prior to 2008. The revised estimates average about 2 percentage points lower than the estimates previously reported. Those previous overestimates have been corrected in this figure. For 12th graders: Due to a coding error, previously released versions of this figure contained values that were slightly off for the measure of five or more drinks in a row for 2005 and 2006. These have been corrected here.

FIGURE 165
Alcohol: Trends in 2-Week Prevalence\* of 5 or More Drinks in a Row by Region



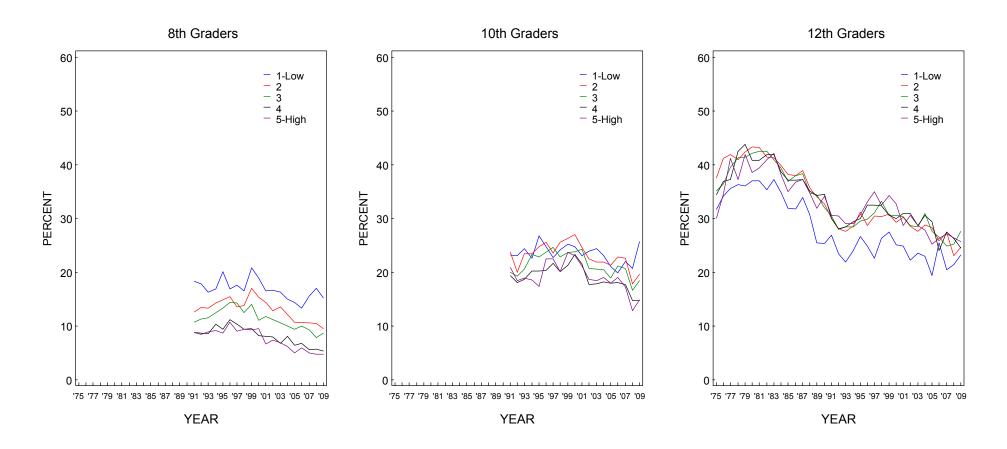
\*For 8th and 10th graders: The 1991-2007 estimates for five or more drinks in a row may differ slightly from some previous reports due to an error in the data editing process prior to 2008. The revised estimates average about 2 percentage points lower than the estimates previously reported. Those previous overestimates have been corrected in this figure. For 12th graders: Due to a coding error, previously released versions of this figure contained values that were slightly off for the measure of five or more drinks in a row for 2005 and 2006. These have been corrected here.

FIGURE 166
Alcohol: Trends in 2-Week Prevalence\* of 5 or More Drinks in a Row by Population Density



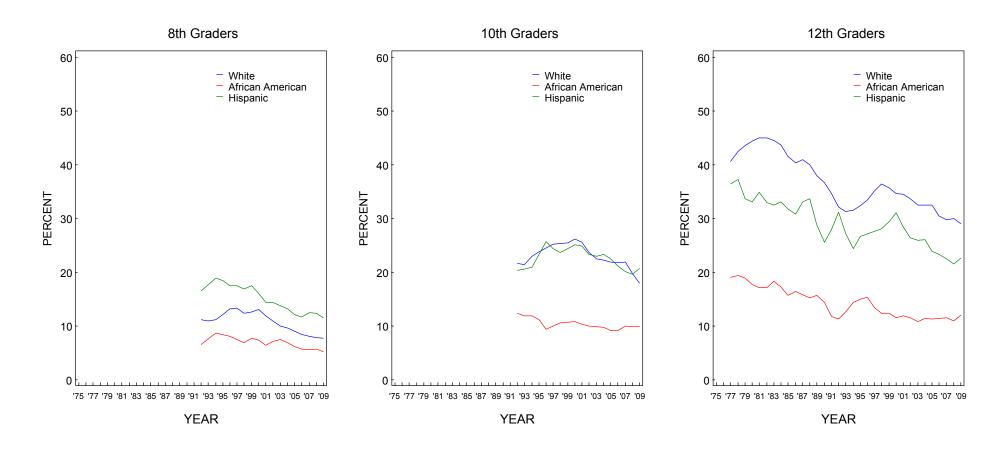
\*For 8th and 10th graders: The 1991-2007 estimates for five or more drinks in a row may differ slightly from some previous reports due to an error in the data editing process prior to 2008. The revised estimates average about 2 percentage points lower than the estimates previously reported. Those previous overestimates have been corrected in this figure. For 12th graders: Due to a coding error, previously released versions of this figure contained values that were slightly off for the measure of five or more drinks in a row for 2005 and 2006. These have been corrected here.

FIGURE 167
Alcohol: Trends in 2-Week Prevalence\* of 5 or More Drinks in a Row by Average Education Level of Parents



\*For 8th and 10th graders: The 1991-2007 estimates for five or more drinks in a row may differ slightly from some previous reports due to an error in the data editing process prior to 2008. The revised estimates average about 2 percentage points lower than the estimates previously reported. Those previous overestimates have been corrected in this figure. For 12th graders: Due to a coding error, previously released versions of this figure contained values that were slightly off for the measure of five or more drinks in a row for 2005 and 2006. These have been corrected here.

FIGURE 168
Alcohol: Trends in 2-Week Prevalence\* of 5 or More Drinks in a Row by Race/Ethnicity\*\*



\*For 8th and 10th graders: The 1991-2007 estimates for five or more drinks in a row may differ slightly from some previous reports due to an error in the data editing process prior to 2008. The revised estimates average about 2 percentage points lower than the estimates previously reported. Those previous overestimates have been corrected in this figure. For 12th graders: Due to a coding error, previously released versions of this figure contained values that were slightly off for the measure of five or more drinks in a row for 2005 and 2006. These have been corrected here.

\*\*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 169 Beer: Trends in 30-Day Prevalence by Gender

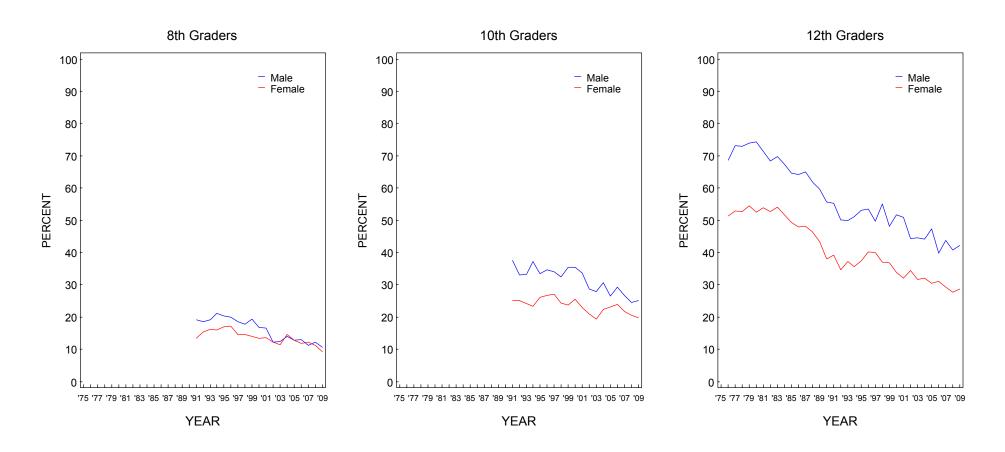


FIGURE 170
Beer: Trends in 30-Day Prevalence by College Plans

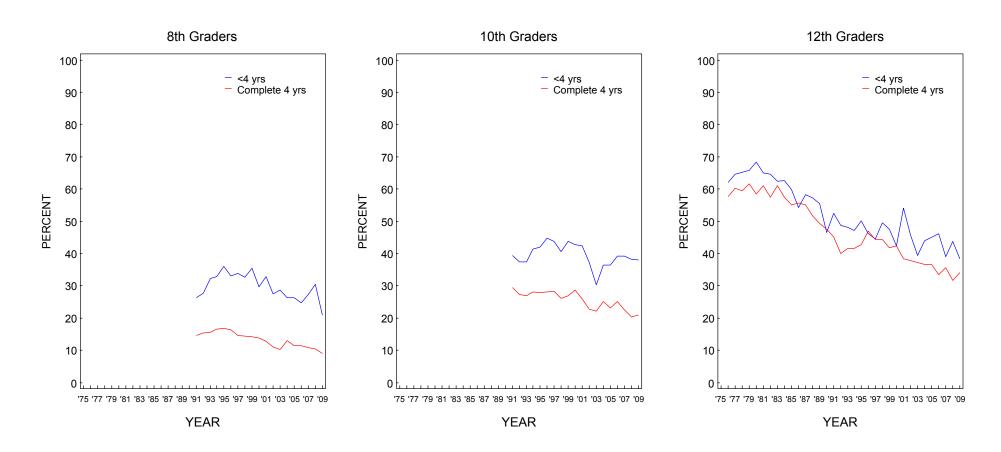


FIGURE 171
Beer: Trends in 30-Day Prevalence by Region

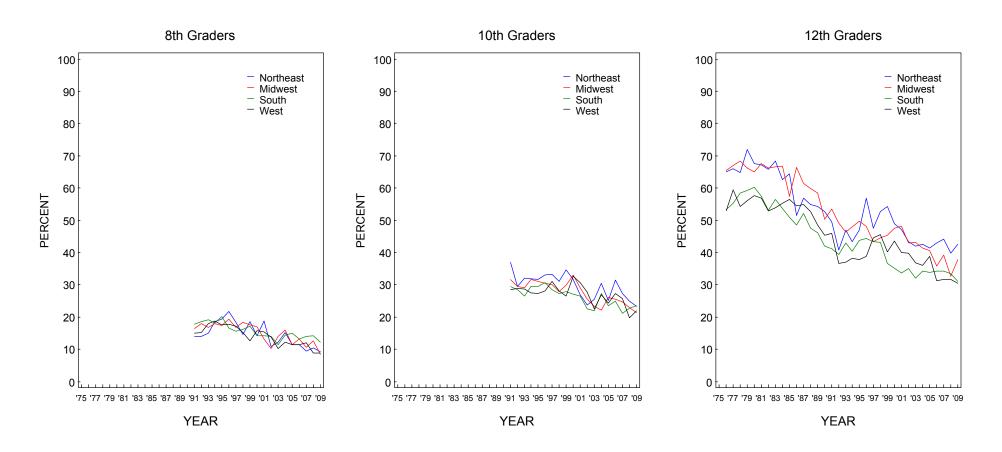


FIGURE 172
Beer: Trends in 30-Day Prevalence by Population Density

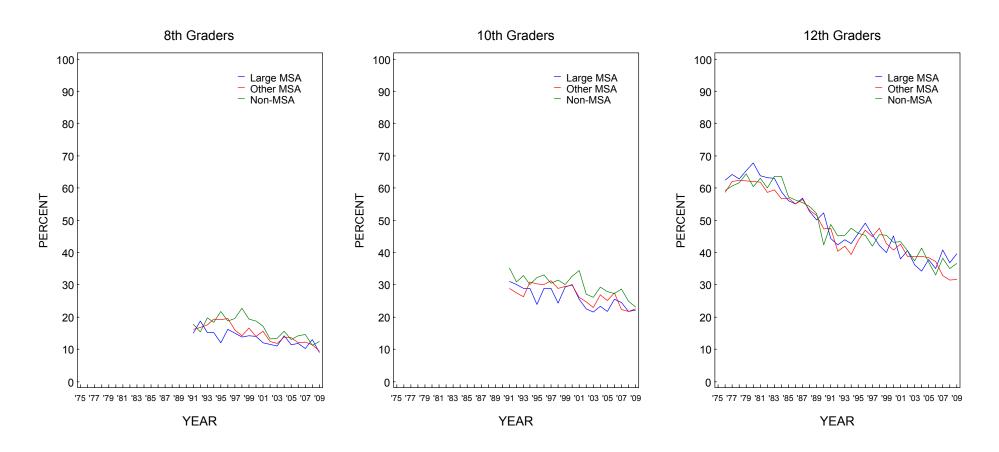


FIGURE 173
Beer: Trends in 30-Day Prevalence by Average Education Level of Parents

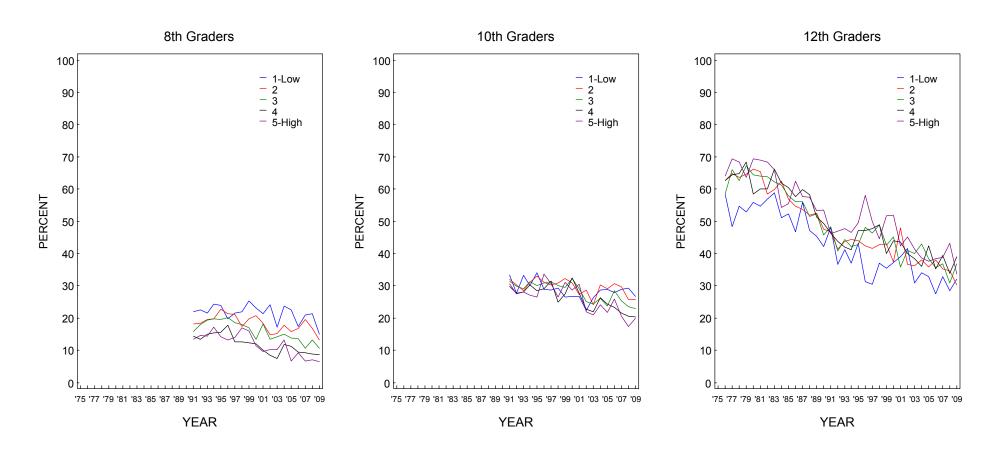
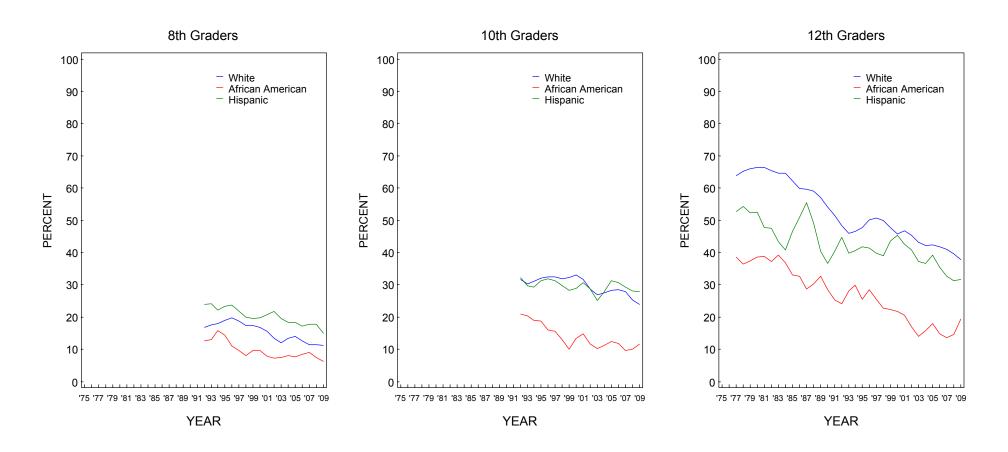


FIGURE 174
Beer: Trends in 30-Day Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 175
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Gender

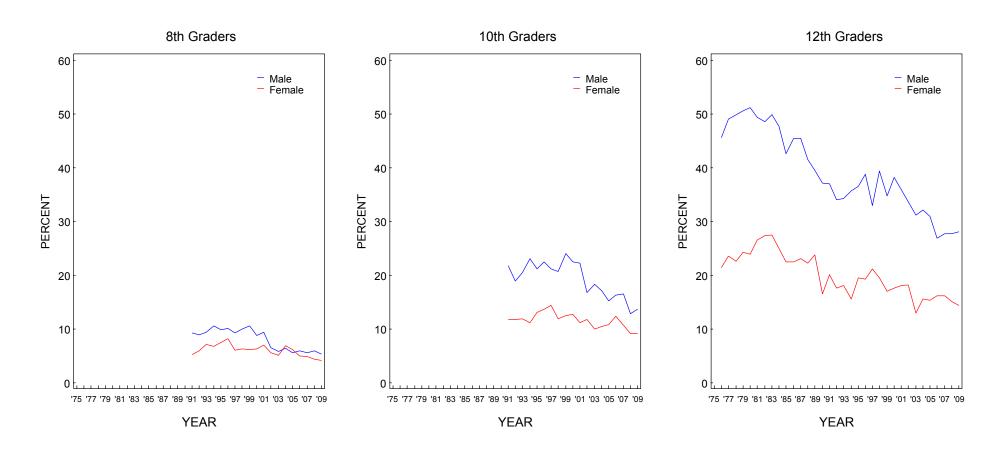


FIGURE 176
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by College Plans

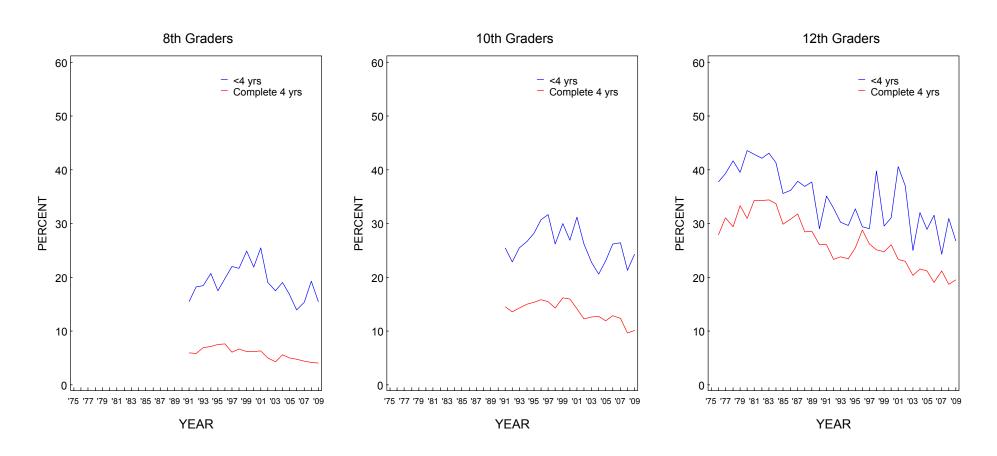


FIGURE 177
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Region

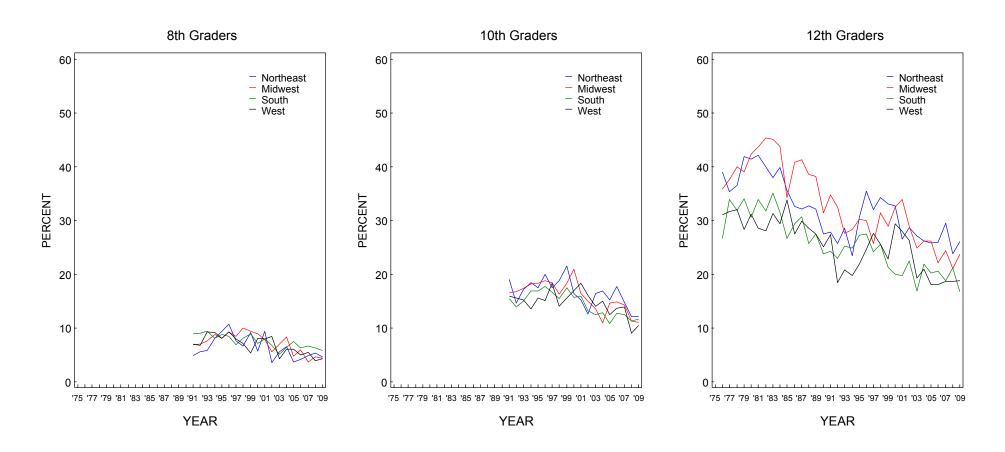


FIGURE 178
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Population Density

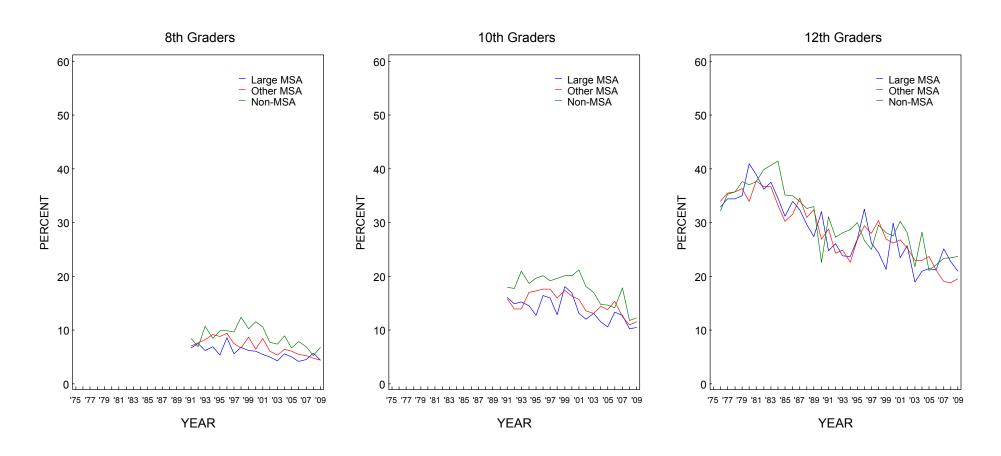


FIGURE 179
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Average Education Level of Parents

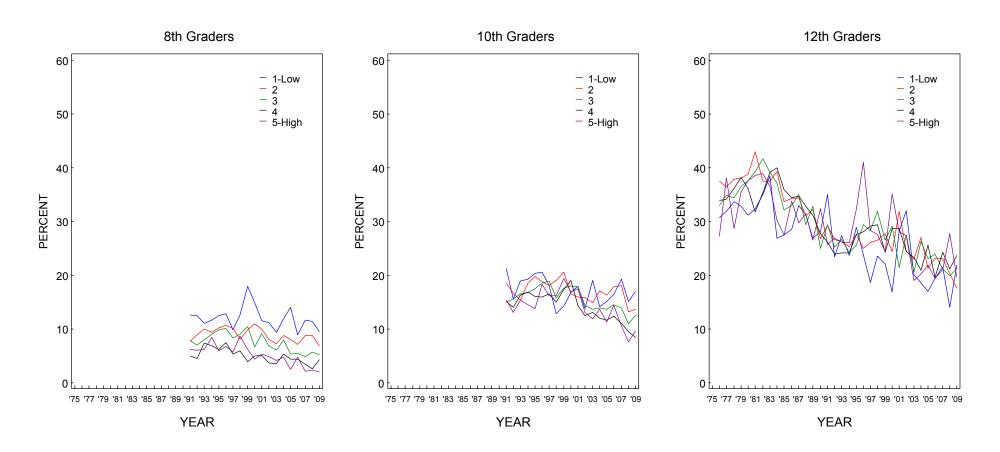
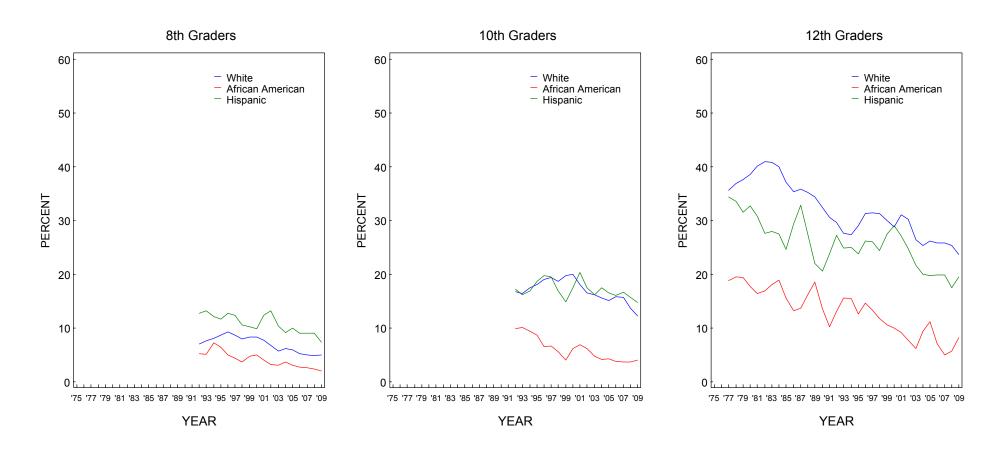


FIGURE 180
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 181 Liquor: Trends in 30-Day Prevalence by Gender

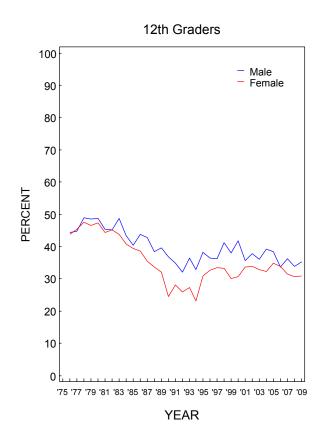


FIGURE 182 Liquor: Trends in 30-Day Prevalence by College Plans

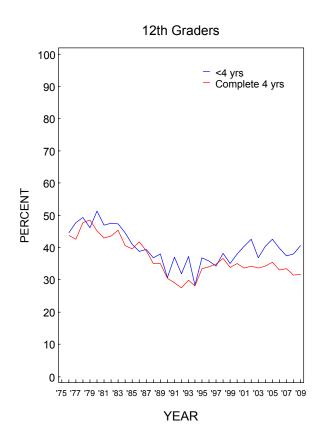


FIGURE 183 Liquor: Trends in 30-Day Prevalence by Region

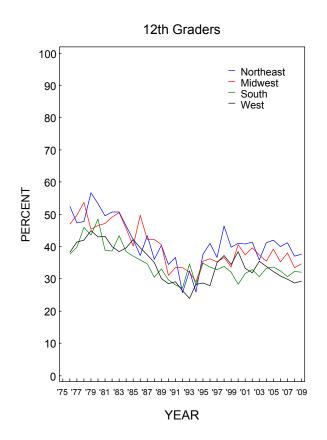


FIGURE 184 Liquor: Trends in 30-Day Prevalence by Population Density

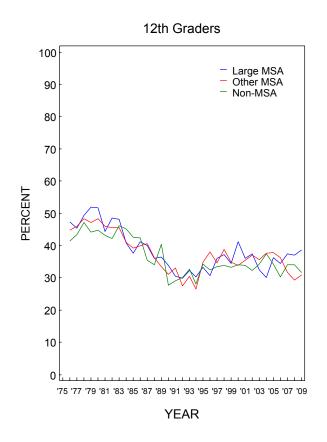


FIGURE 185 Liquor: Trends in 30-Day Prevalence by Average Education Level of Parents

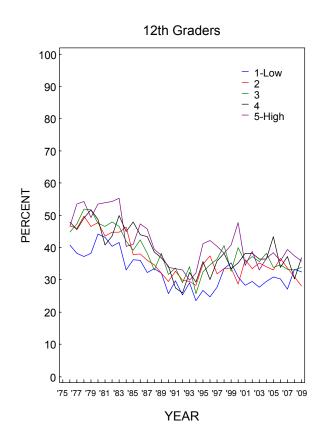
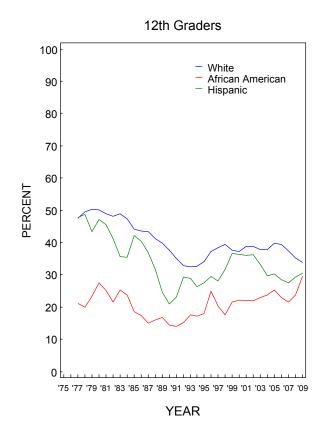


FIGURE 186
Liquor: Trends in 30-Day Prevalence by Race/Ethnicity\*



\*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 187 Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Gender

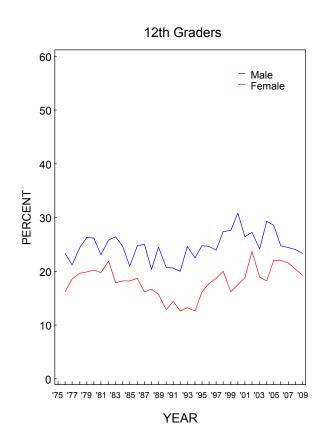


FIGURE 188 Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by College Plans

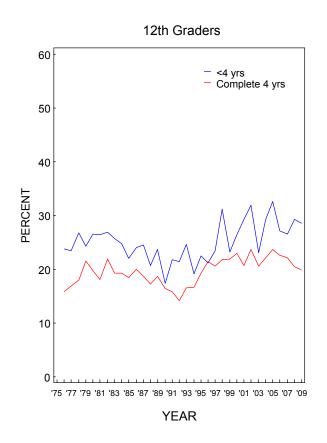


FIGURE 189
Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Region

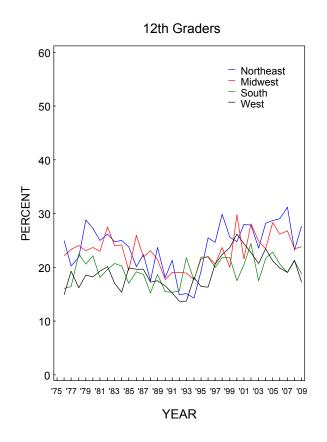


FIGURE 190 Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Population Density

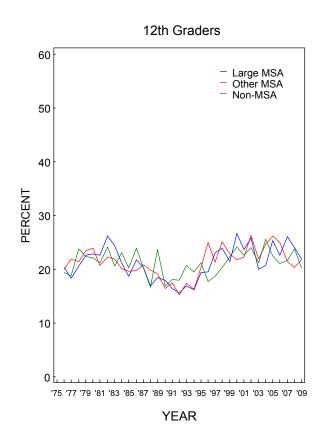


FIGURE 191 Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Average Education Level of Parents

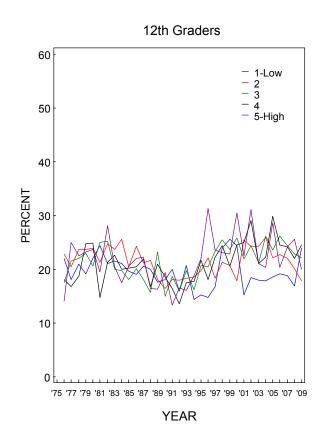
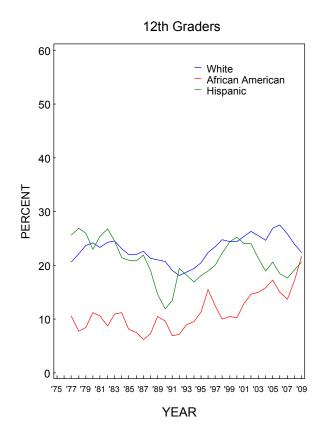


FIGURE 192
Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Race/Ethnicity\*



\*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 193
Wine:\* Trends in 30-Day Prevalence by Gender

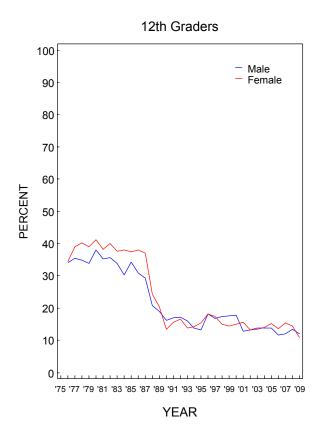
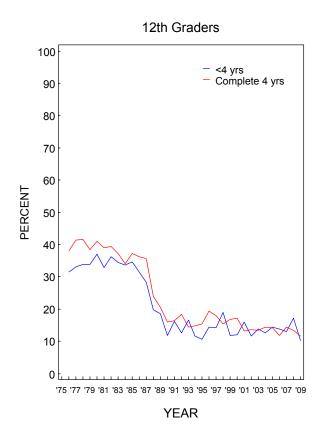
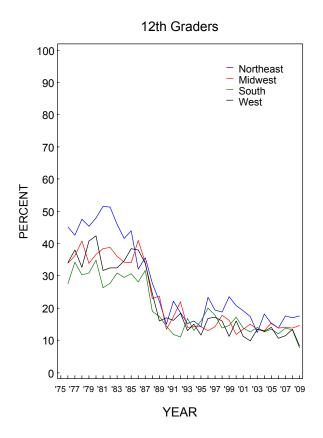


FIGURE 194
Wine:\* Trends in 30-Day Prevalence by College Plans



## FIGURE 195 Wine:\* Trends in 30-Day Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

FIGURE 196
Wine:\* Trends in 30-Day Prevalence by Population Density

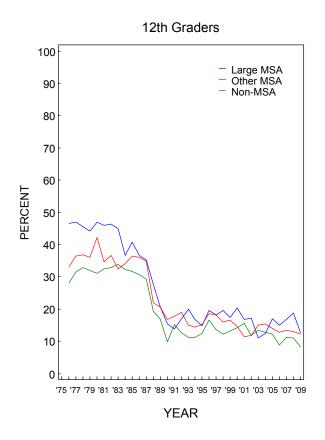
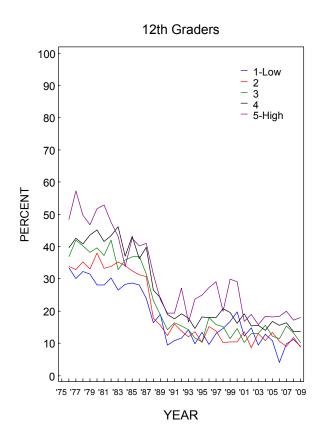
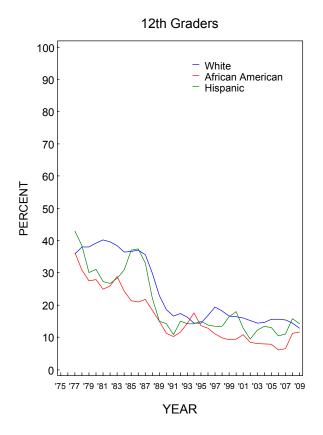


FIGURE 197
Wine:\* Trends in 30-Day Prevalence by Average Education Level of Parents



## FIGURE 198 Wine:\* Trends in 30-Day Prevalence by Race/Ethnicity\*\*



Source. The Monitoring the Future study, the University of Michigan.

\*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

\*\*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 199
Wine:\* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Gender

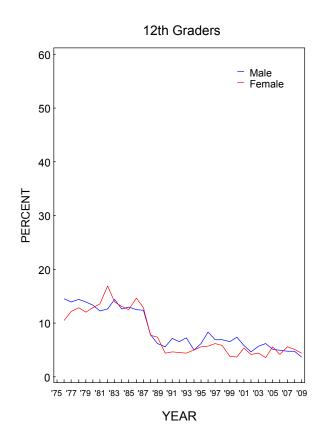


FIGURE 200
Wine:\* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by College Plans

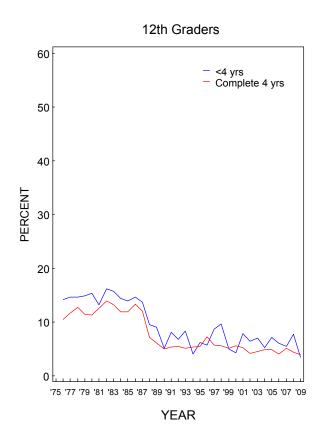


FIGURE 201
Wine:\* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Region

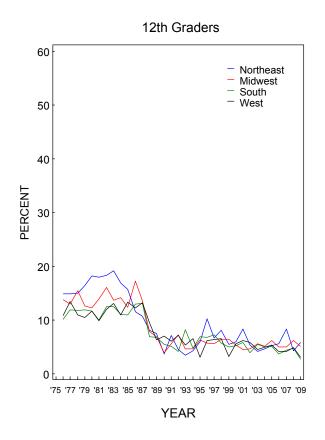
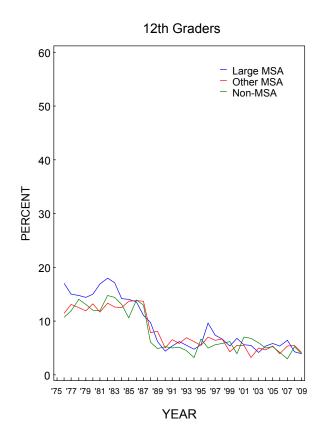
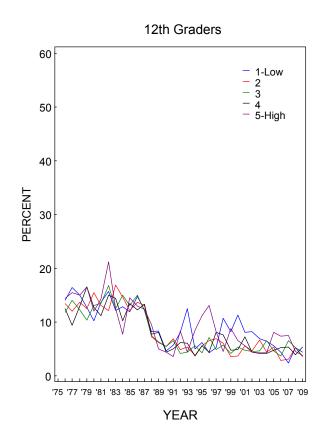


FIGURE 202
Wine:\* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Population Density



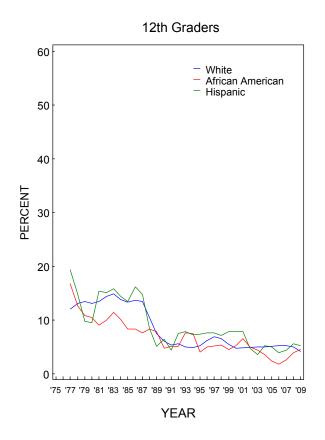
\*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

FIGURE 203
Wine:\* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Average Education Level of Parents



\*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

FIGURE 204
Wine:\* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Race/Ethnicity\*\*



<sup>\*</sup>In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

<sup>\*\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 205
Wine Coolers:\* Trends in 30-Day Prevalence by Gender

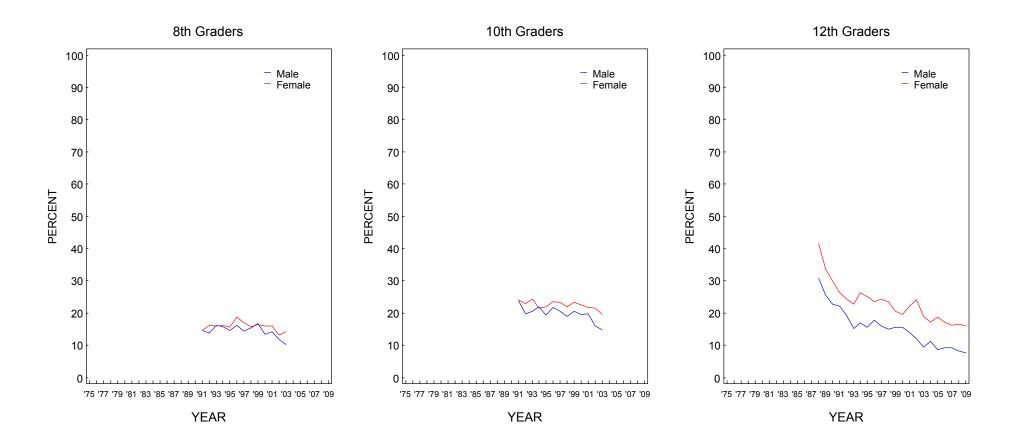


FIGURE 206
Wine Coolers:\* Trends in 30-Day Prevalence by College Plans

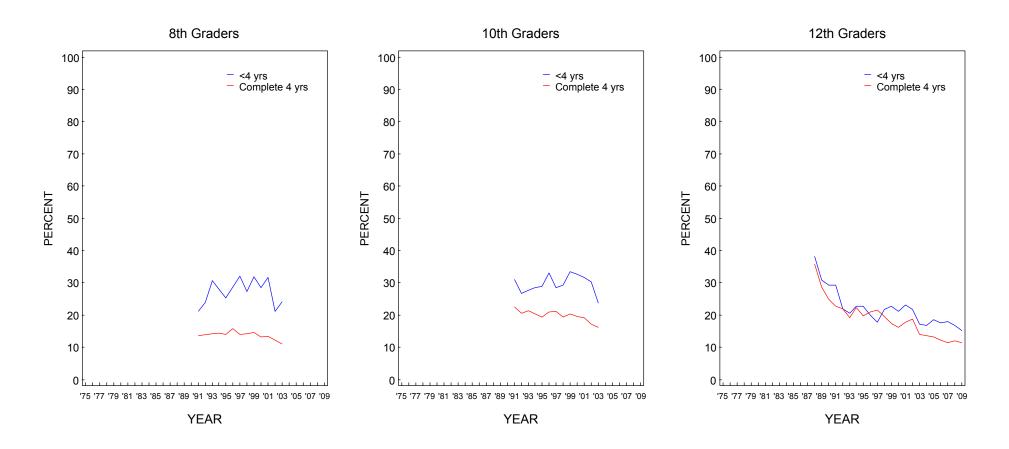


FIGURE 207
Wine Coolers:\* Trends in 30-Day Prevalence by Region

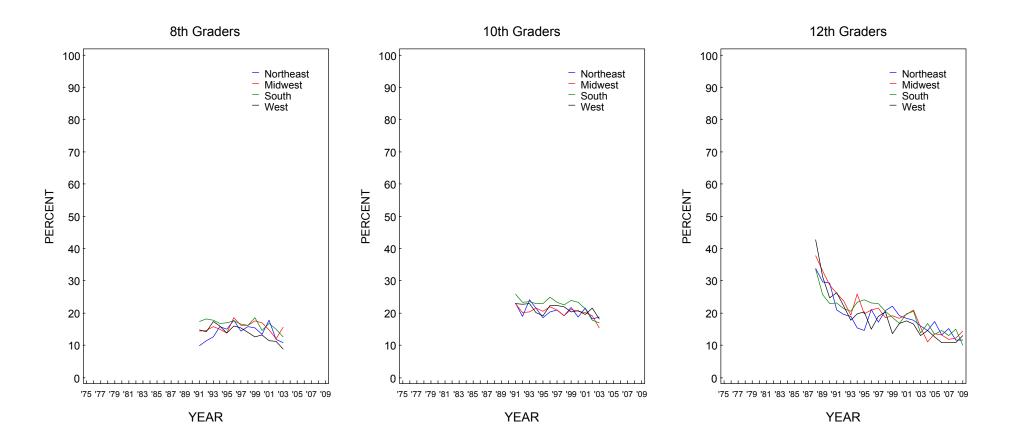


FIGURE 208
Wine Coolers:\* Trends in 30-Day Prevalence by Population Density

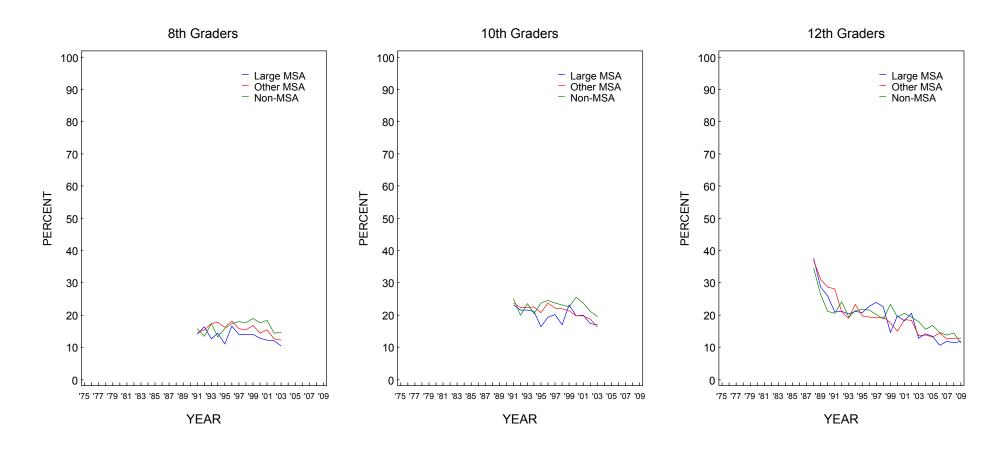


FIGURE 209
Wine Coolers:\* Trends in 30-Day Prevalence by Average Education Level of Parents

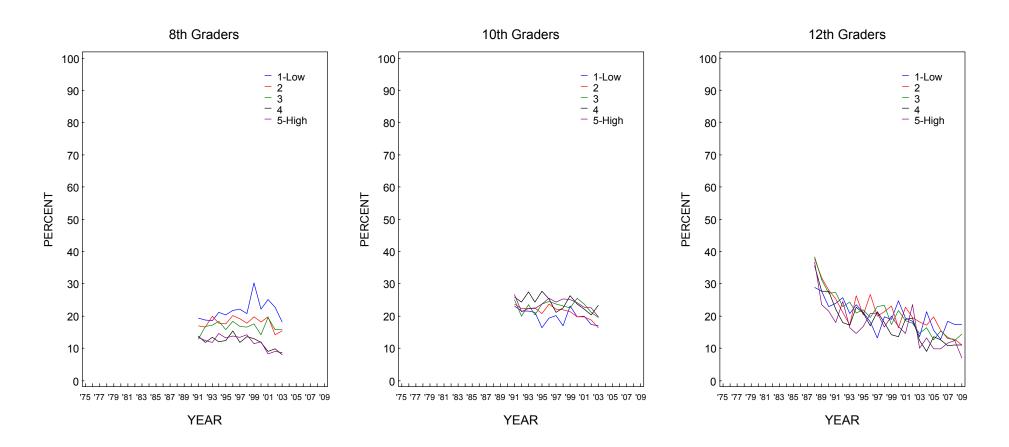
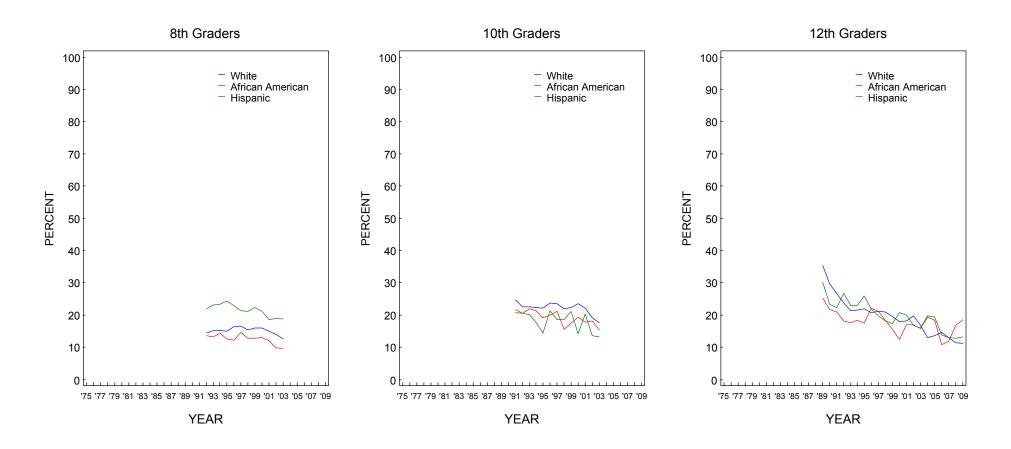


FIGURE 210
Wine Coolers:\* Trends in 30-Day Prevalence by Race/Ethnicity\*\*



<sup>\*</sup>Question discontinued for 8th and 10th graders in 2004.

<sup>\*\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 211
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Gender

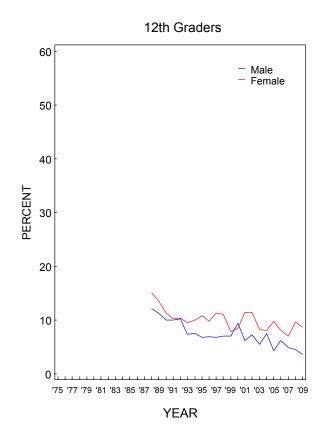


FIGURE 212
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by College Plans

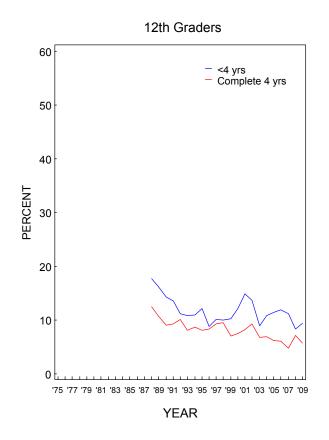


FIGURE 213
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Region

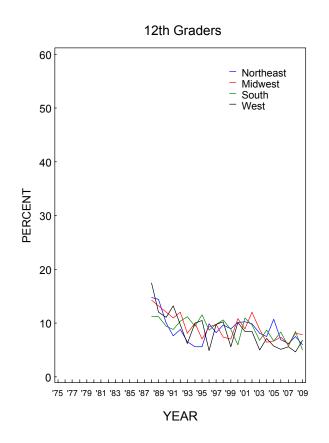


FIGURE 214
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Population Density

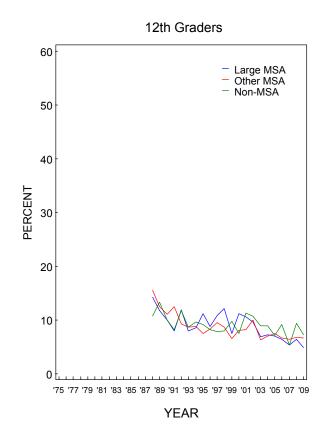


FIGURE 215
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Average Education Level of Parents

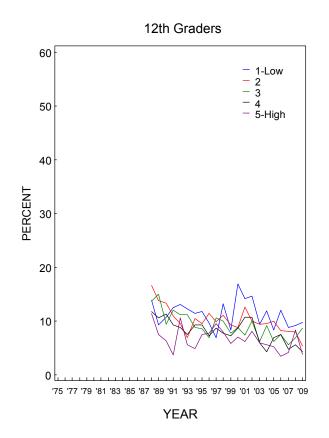
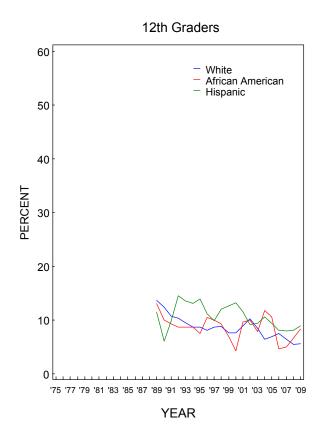


FIGURE 216
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Race/Ethnicity\*



\*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 217
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Gender

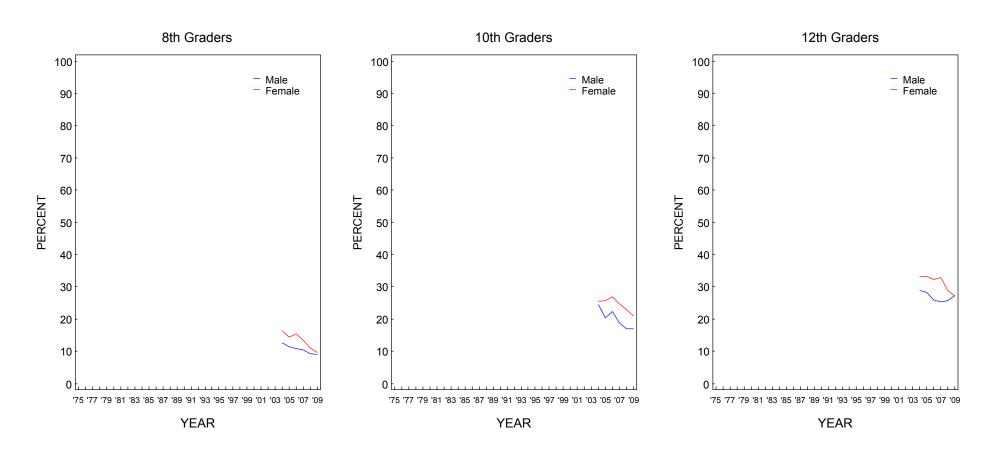


FIGURE 218
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by College Plans

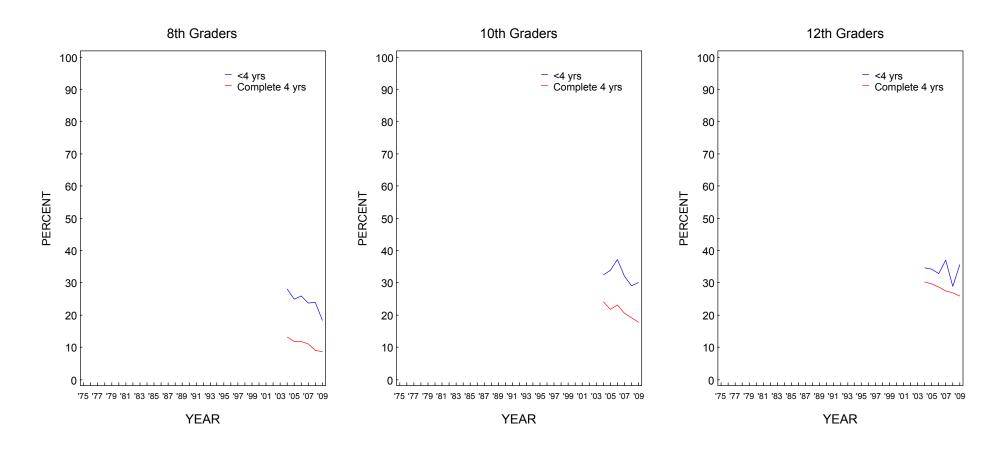


FIGURE 219
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Region

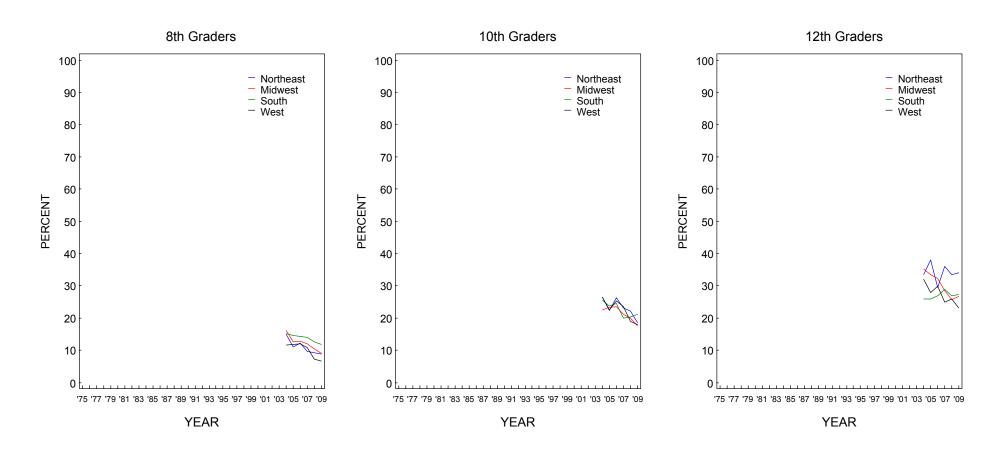


FIGURE 220
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Population Density

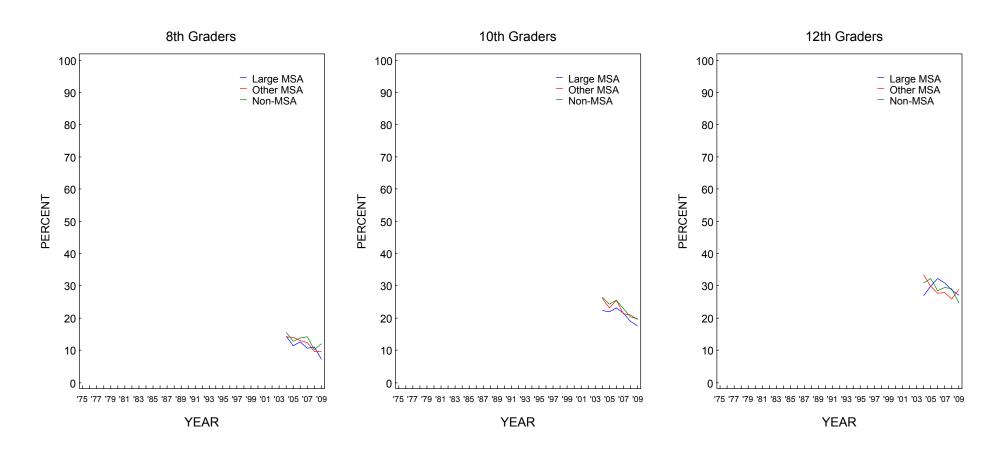


FIGURE 221
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Average Education Level of Parents

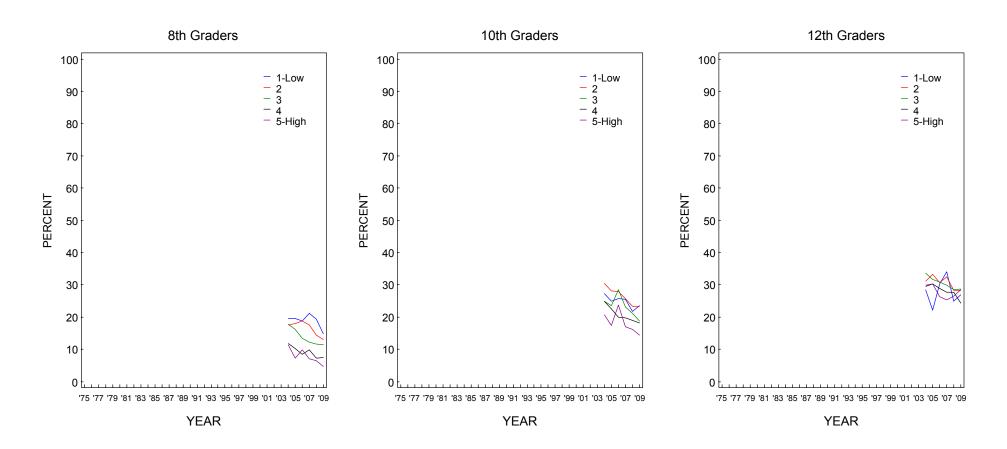
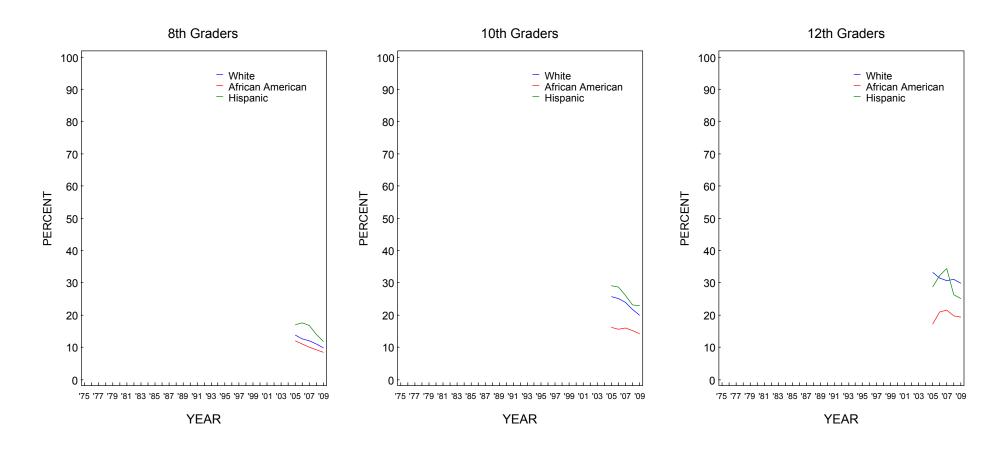


FIGURE 222
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 223 Cigarettes: Trends in 30-Day Prevalence by Gender

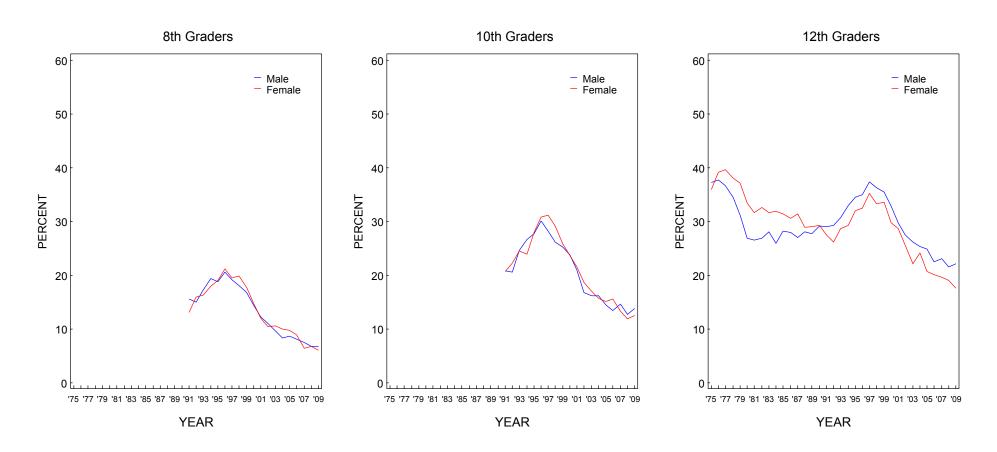


FIGURE 224 Cigarettes: Trends in 30-Day Prevalence by College Plans

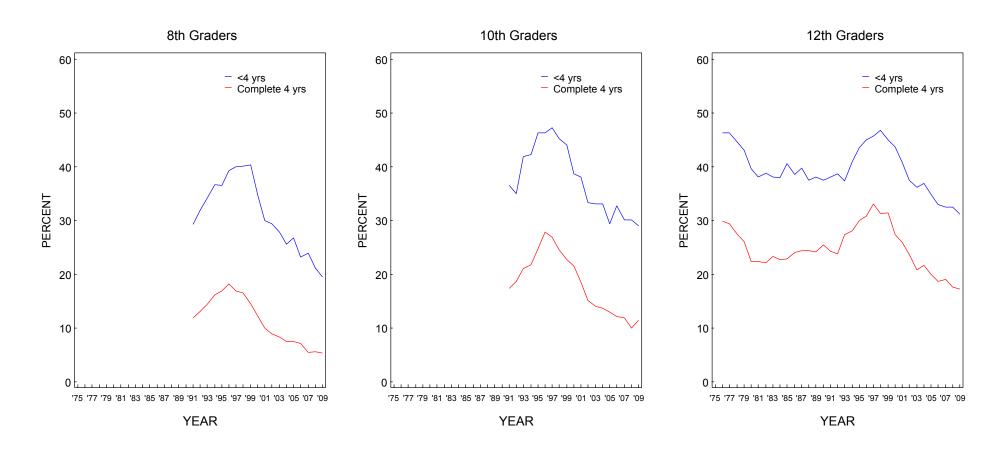


FIGURE 225 Cigarettes: Trends in 30-Day Prevalence by Region

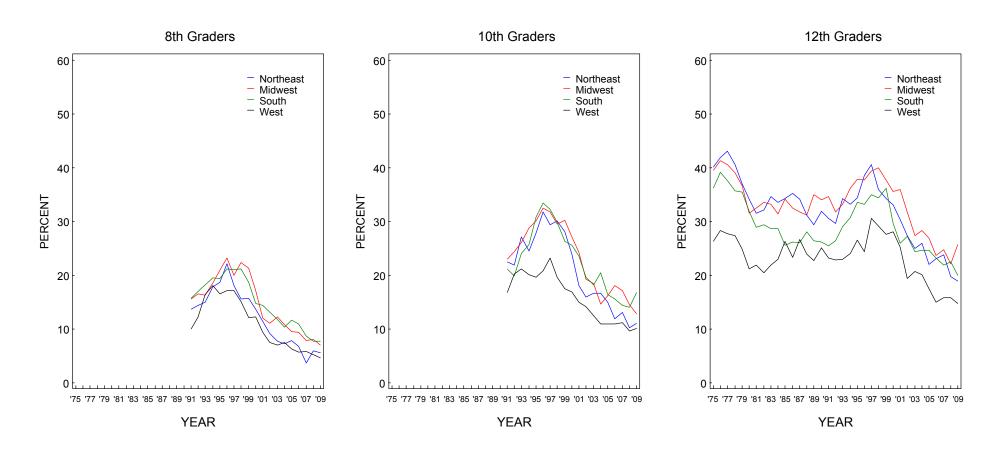


FIGURE 226 Cigarettes: Trends in 30-Day Prevalence by Population Density

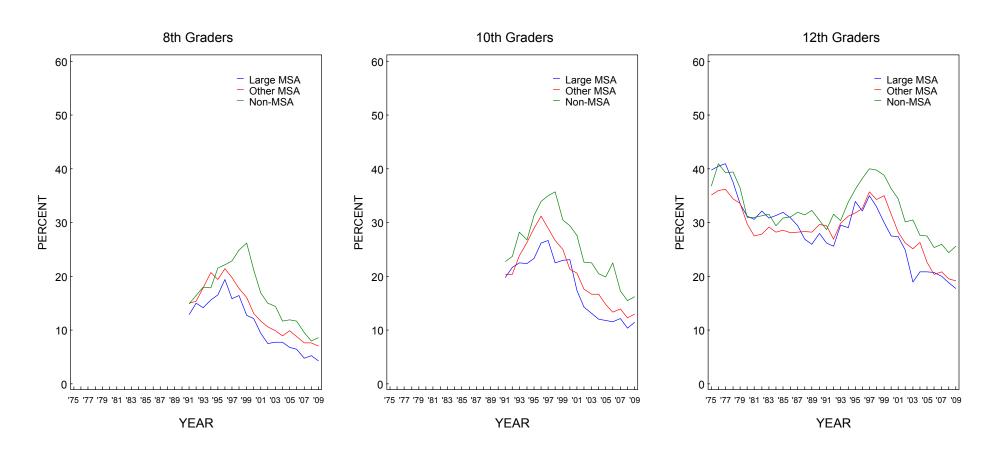


FIGURE 227 Cigarettes: Trends in 30-Day Prevalence by Average Education Level of Parents

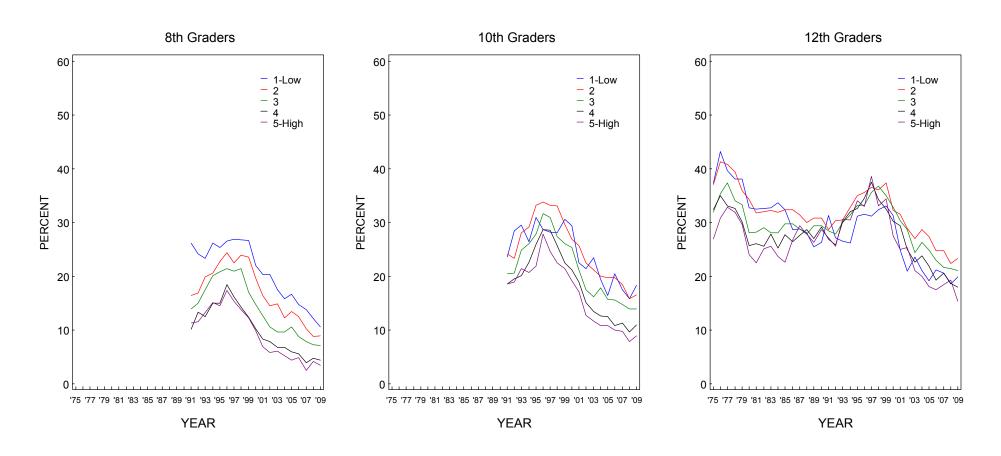
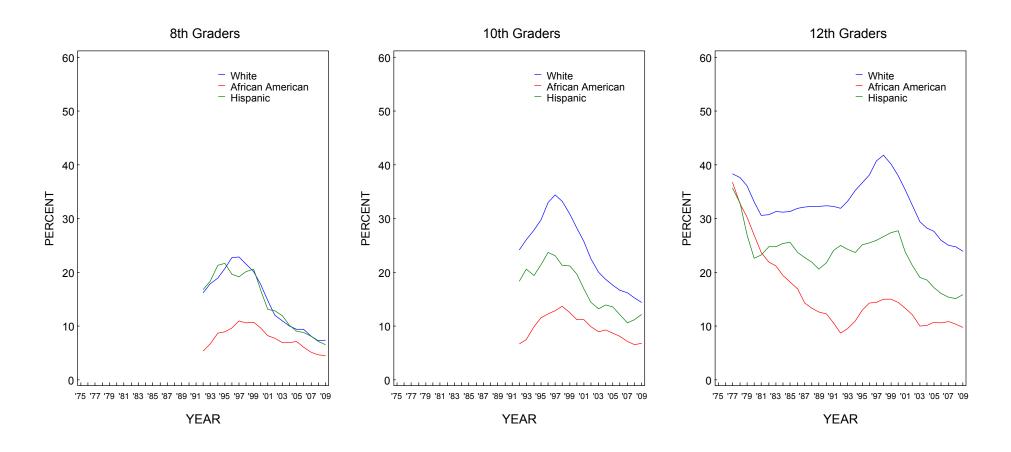


FIGURE 228
Cigarettes: Trends in 30-Day Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 229 Cigarettes: Trends in 30-Day Prevalence of Daily Use by Gender

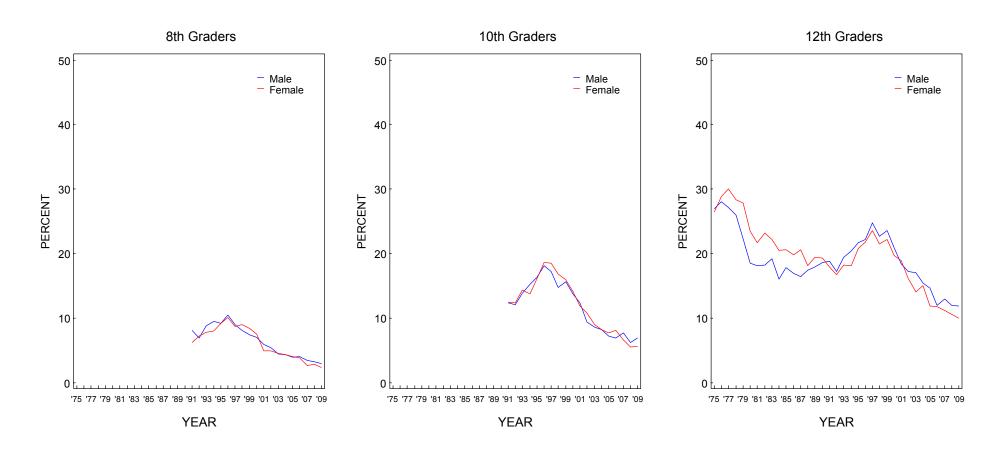


FIGURE 230 Cigarettes: Trends in 30-Day Prevalence of Daily Use by College Plans

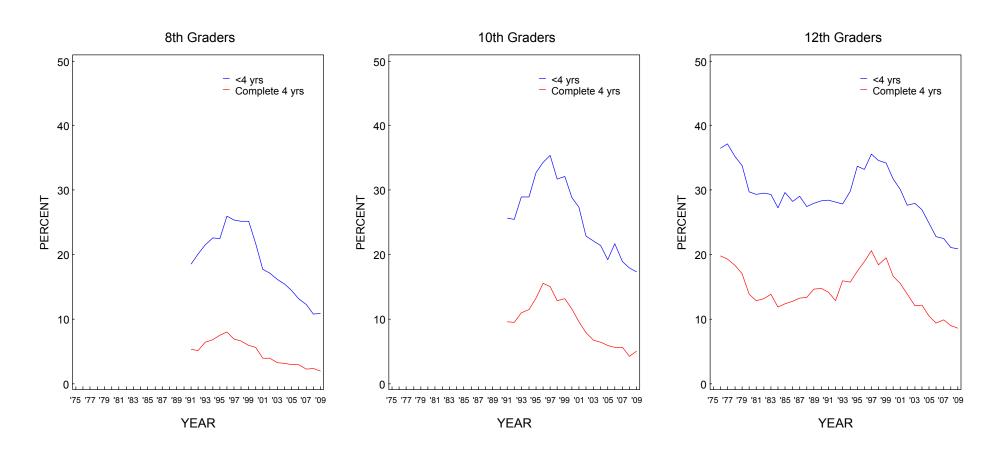


FIGURE 231 Cigarettes: Trends in 30-Day Prevalence of Daily Use by Region

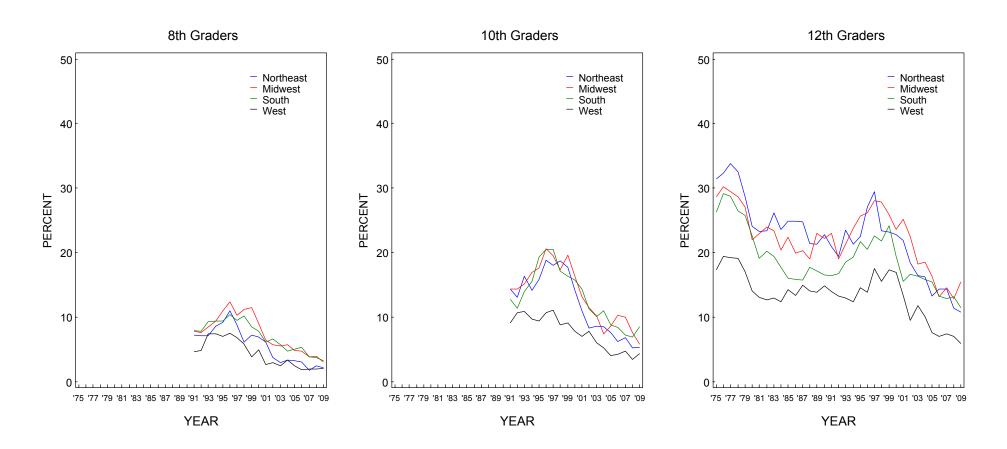


FIGURE 232 Cigarettes: Trends in 30-Day Prevalence of Daily Use by Population Density

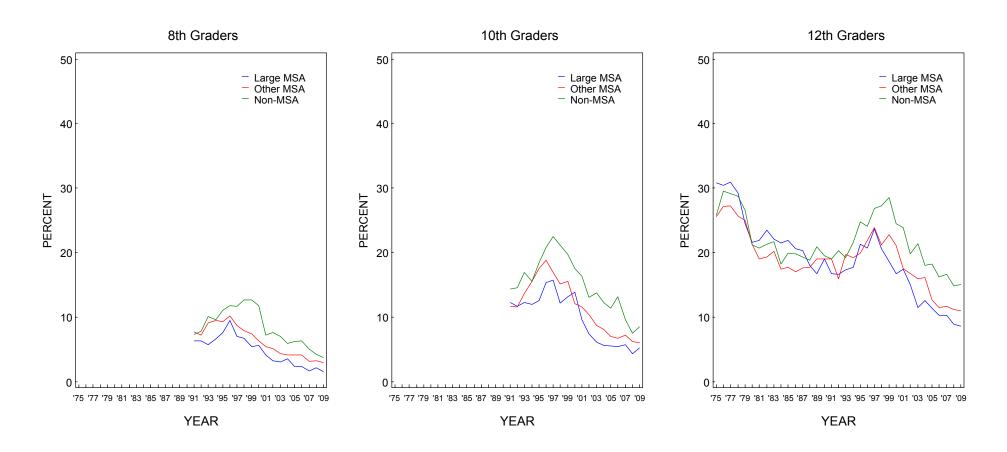


FIGURE 233 Cigarettes: Trends in 30-Day Prevalence of Daily Use by Average Education Level of Parents

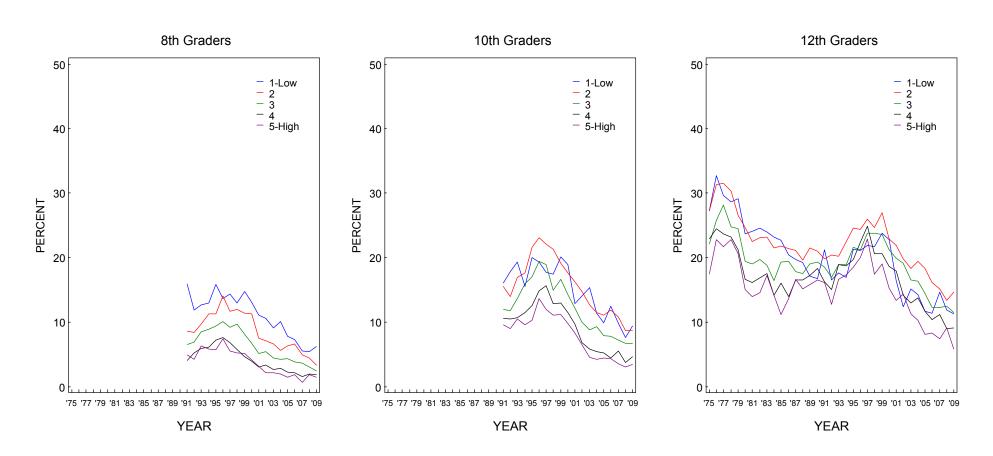
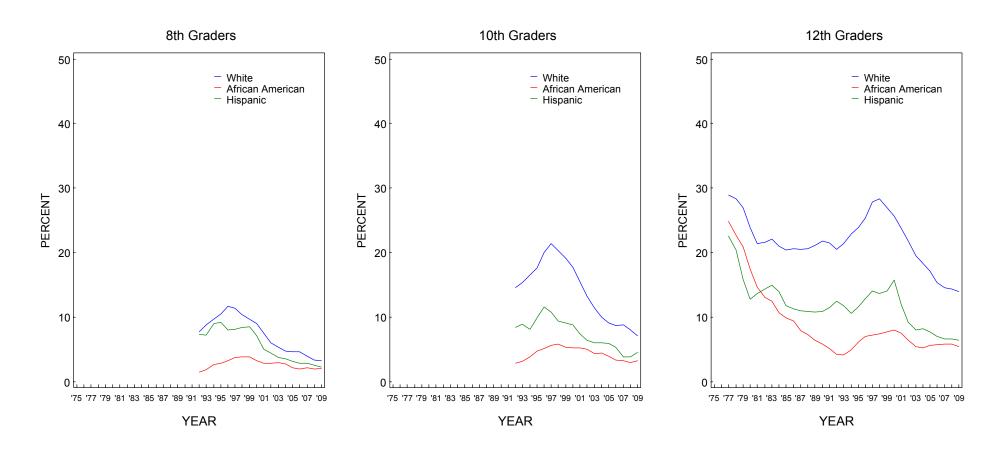


FIGURE 234
Cigarettes: Trends in 30-Day Prevalence of Daily Use by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 235 Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More by Gender

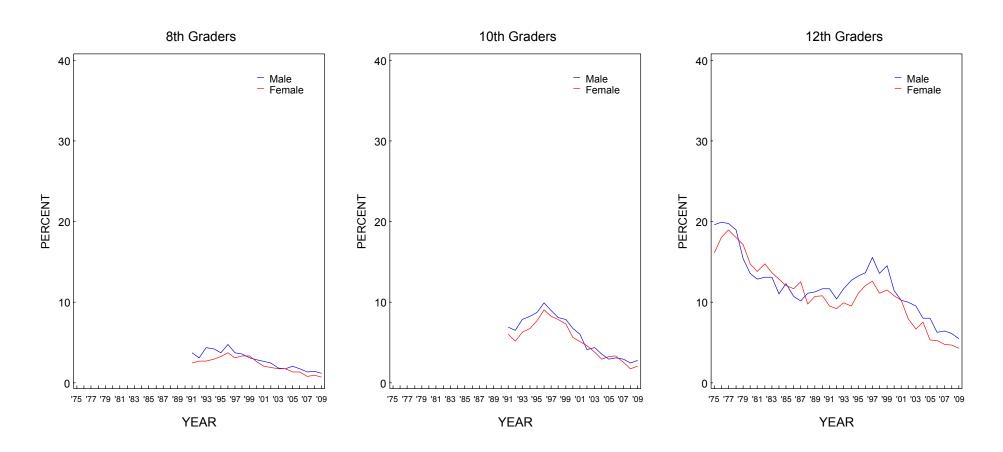


FIGURE 236 Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More by College Plans

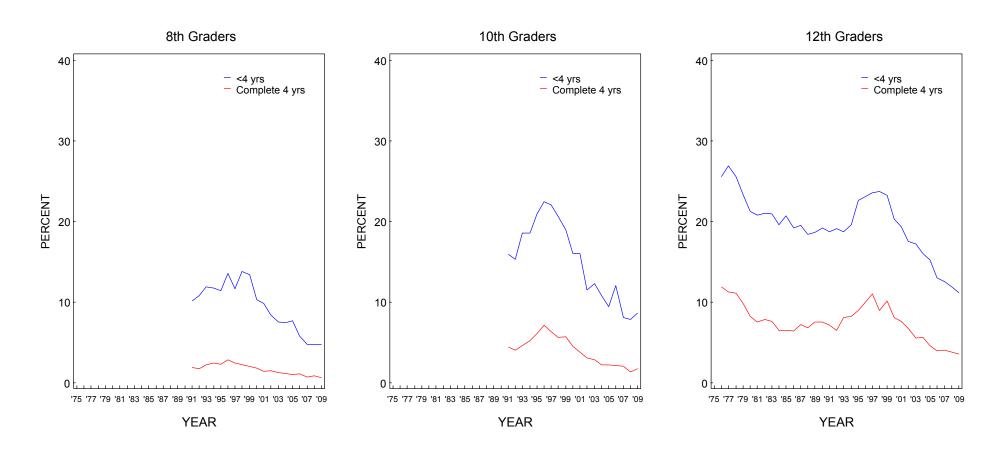


FIGURE 237 Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More by Region

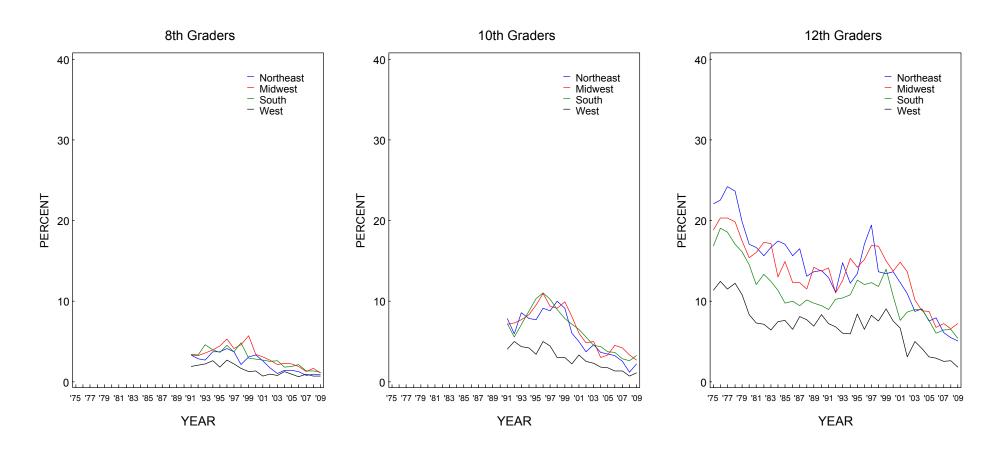


FIGURE 238
Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More by Population Density

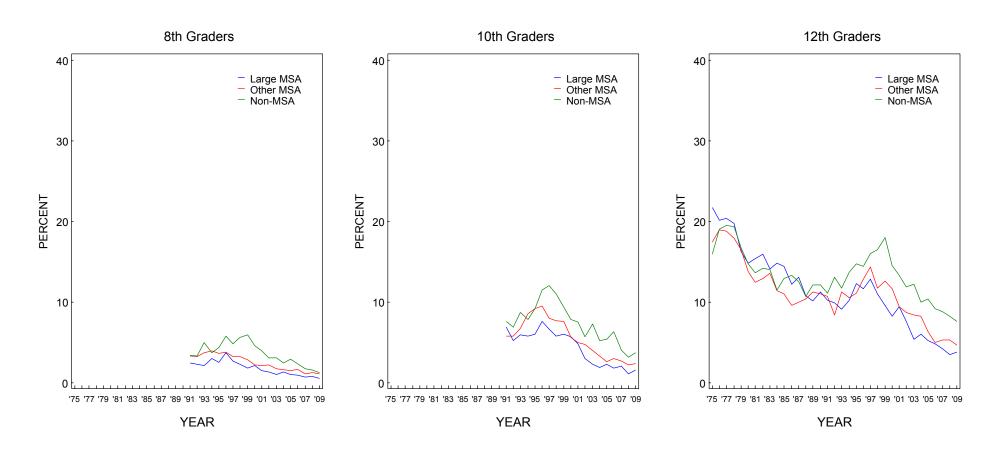


FIGURE 239 Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More by Average Education Level of Parents

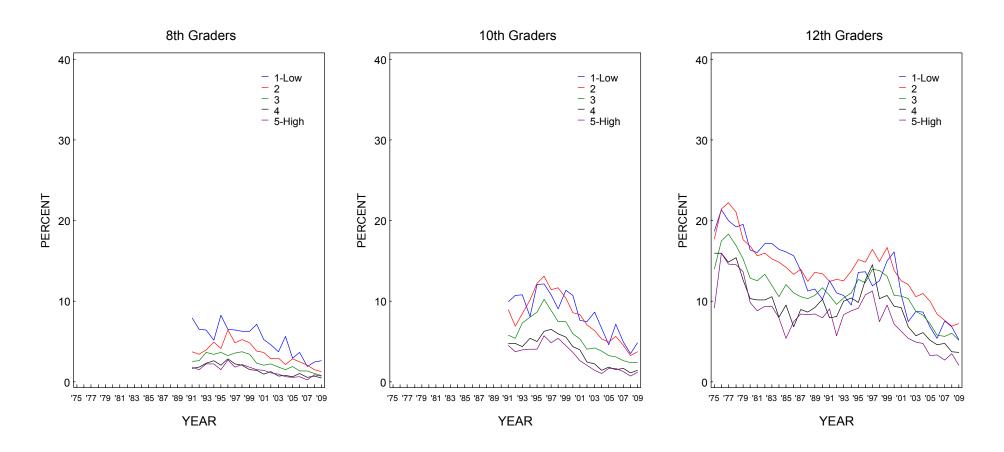
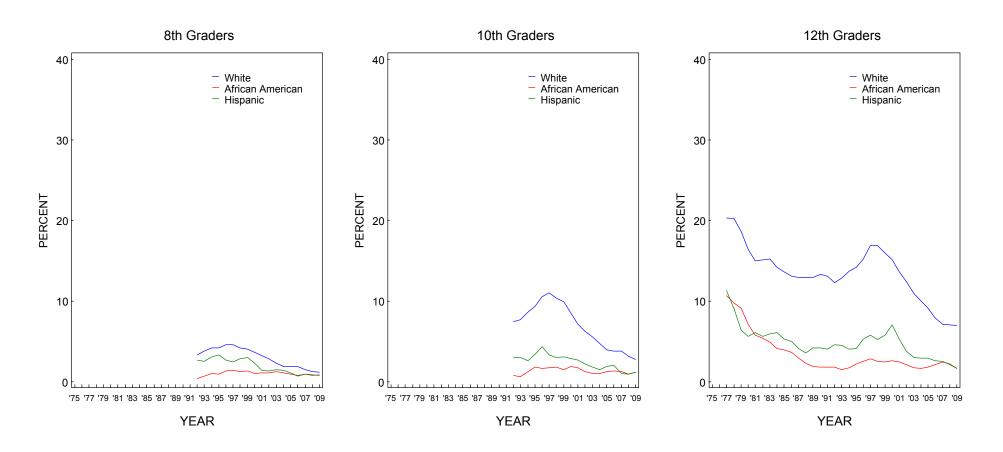


FIGURE 240
Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 241 Smokeless Tobacco: Trends in 30-Day Prevalence by Gender

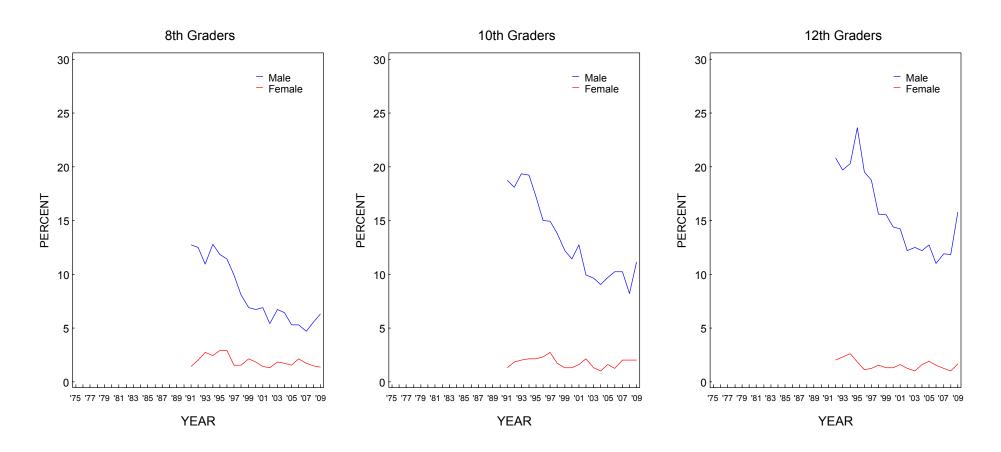


FIGURE 242 Smokeless Tobacco: Trends in 30-Day Prevalence by College Plans

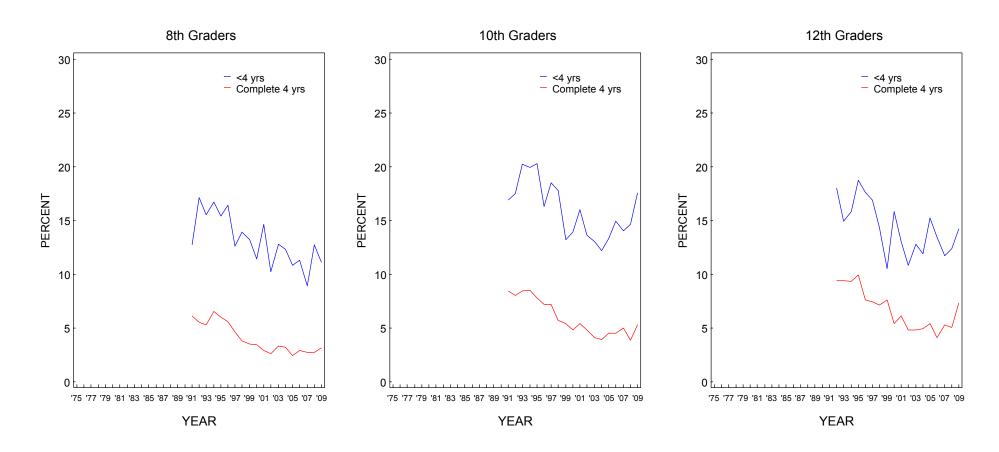


FIGURE 243
Smokeless Tobacco: Trends in 30-Day Prevalence by Region

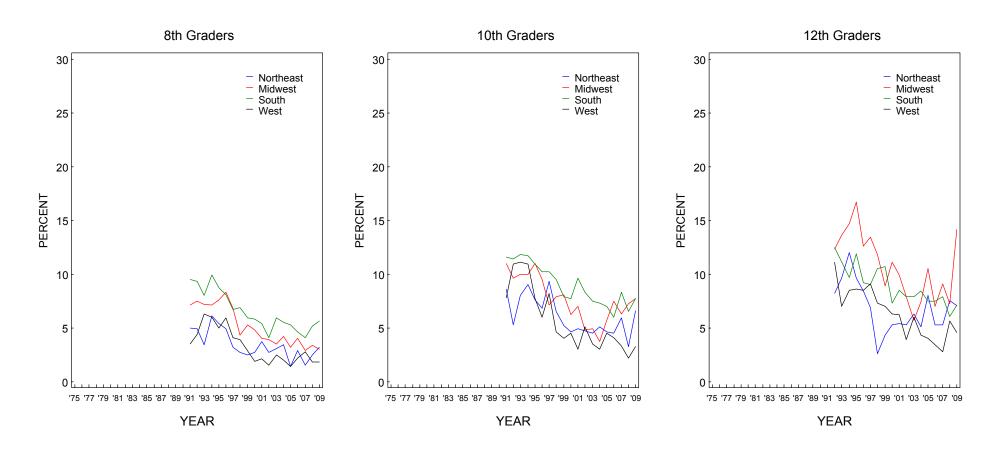


FIGURE 244
Smokeless Tobacco: Trends in 30-Day Prevalence by Population Density

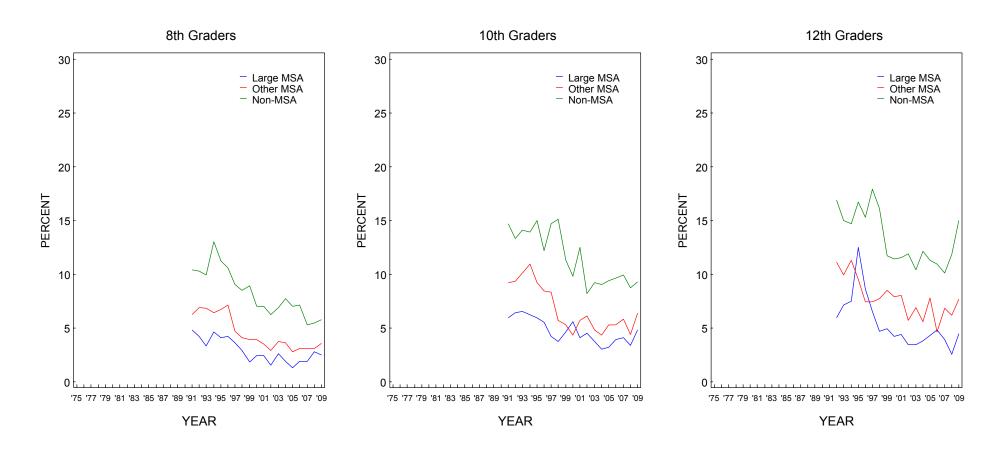


FIGURE 245 Smokeless Tobacco: Trends in 30-Day Prevalence by Average Education Level of Parents

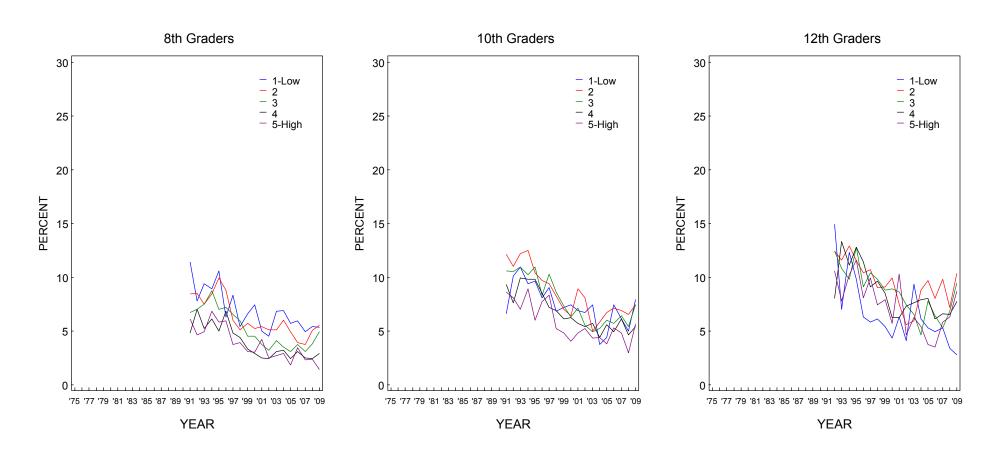
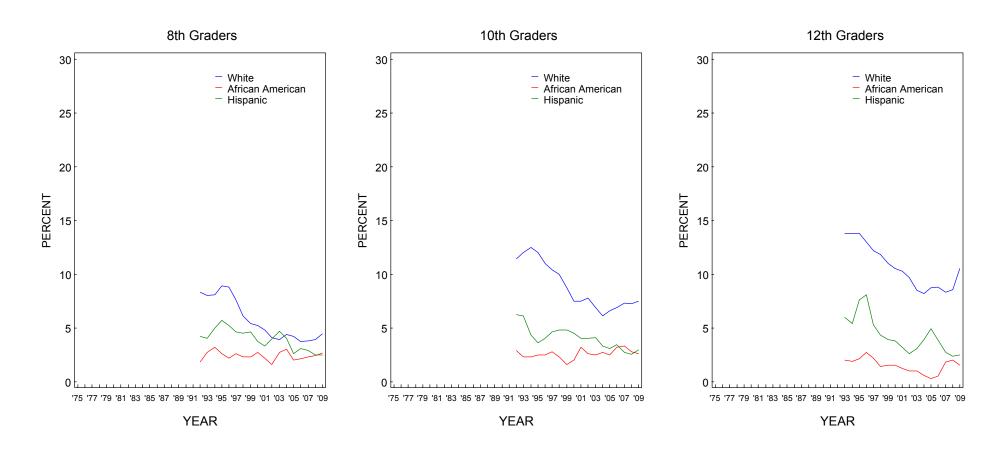


FIGURE 246
Smokeless Tobacco: Trends in 30-Day Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 247 Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Gender

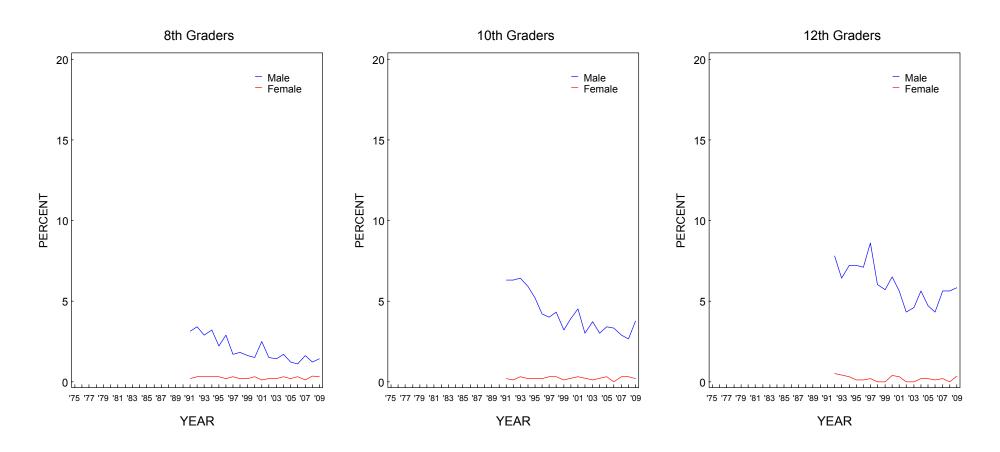


FIGURE 248
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by College Plans

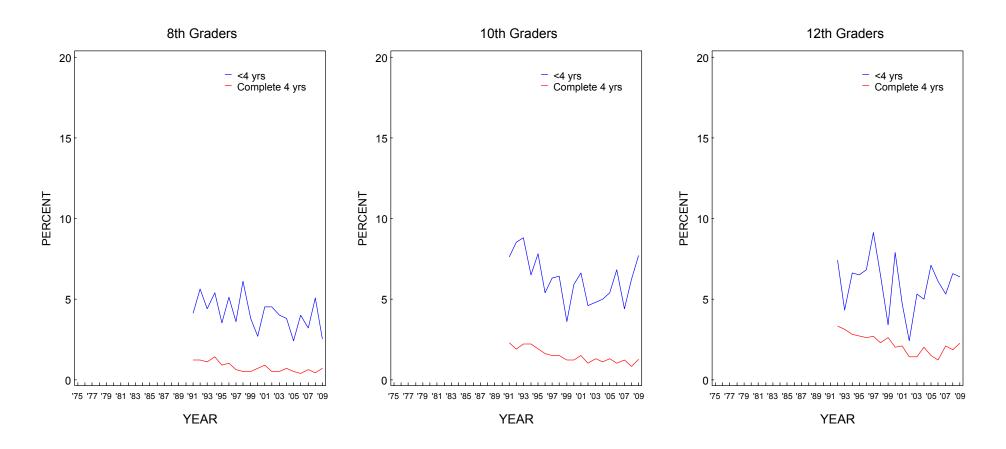


FIGURE 249
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Region

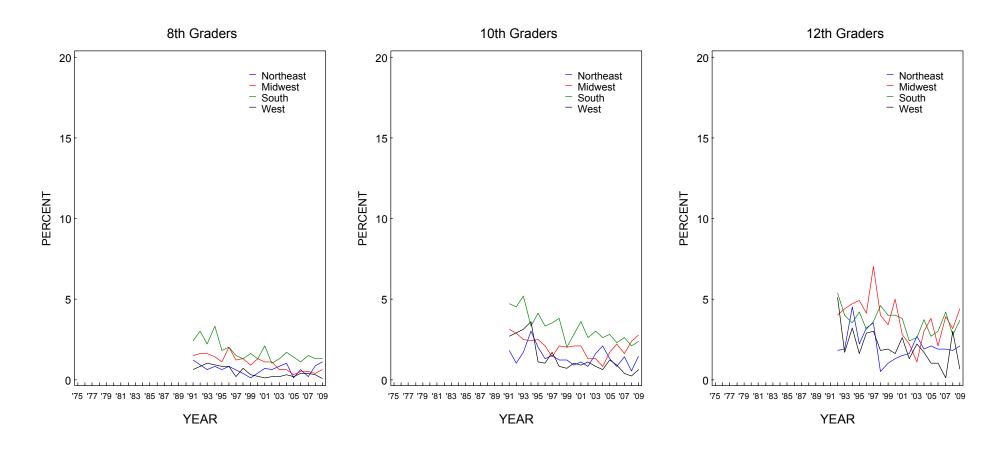


FIGURE 250 Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Population Density

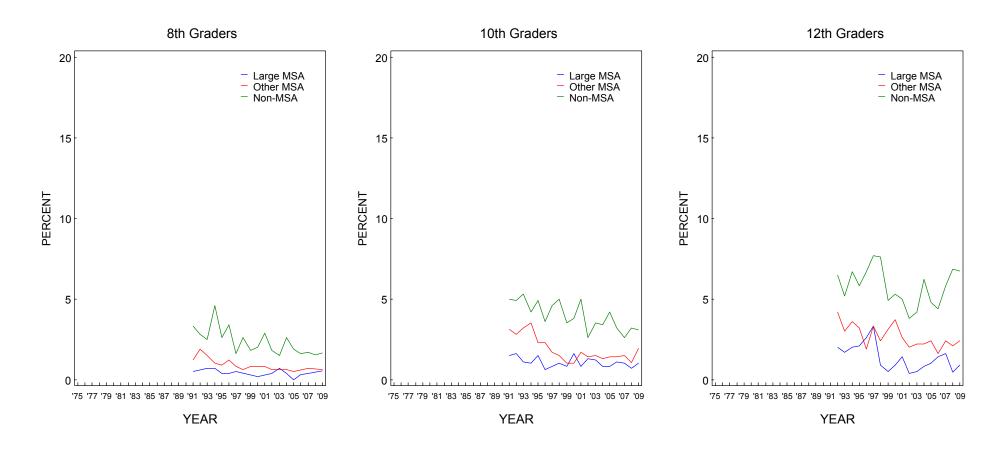


FIGURE 251 Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Average Education Level of Parents

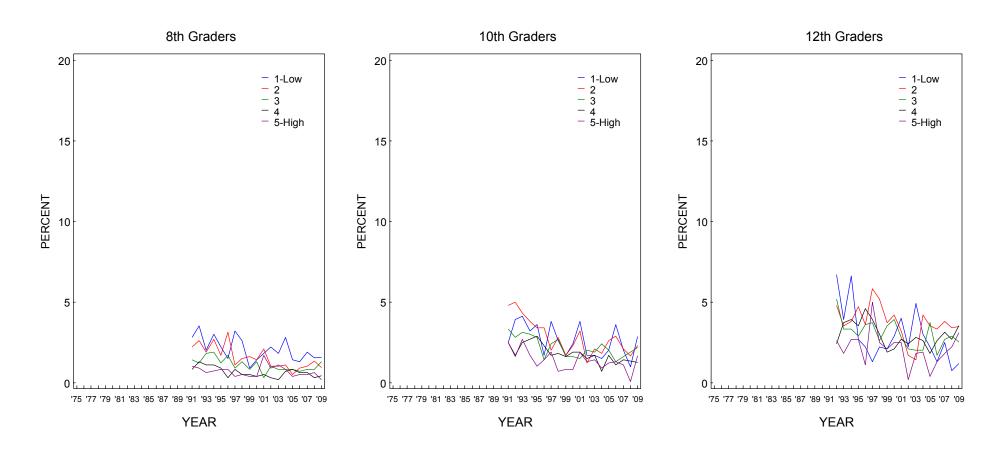
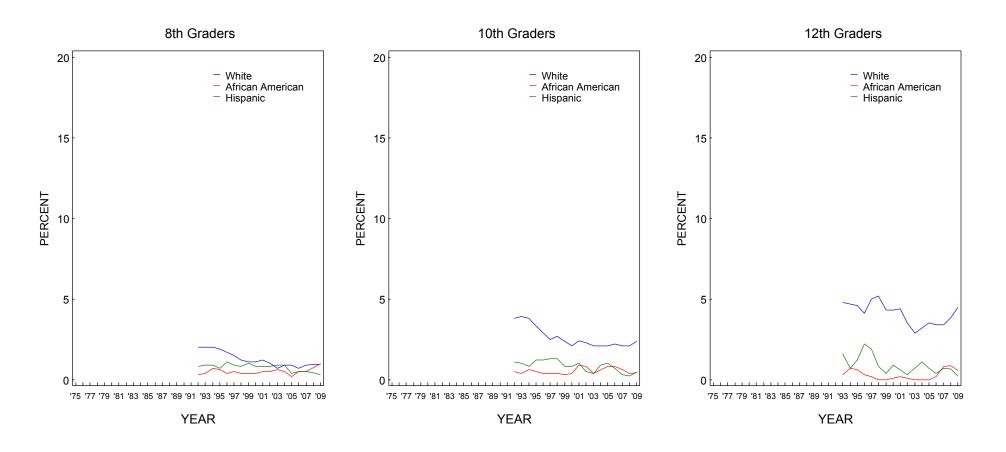


FIGURE 252 Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 253
Steroids: Trends in Annual Prevalence by Gender

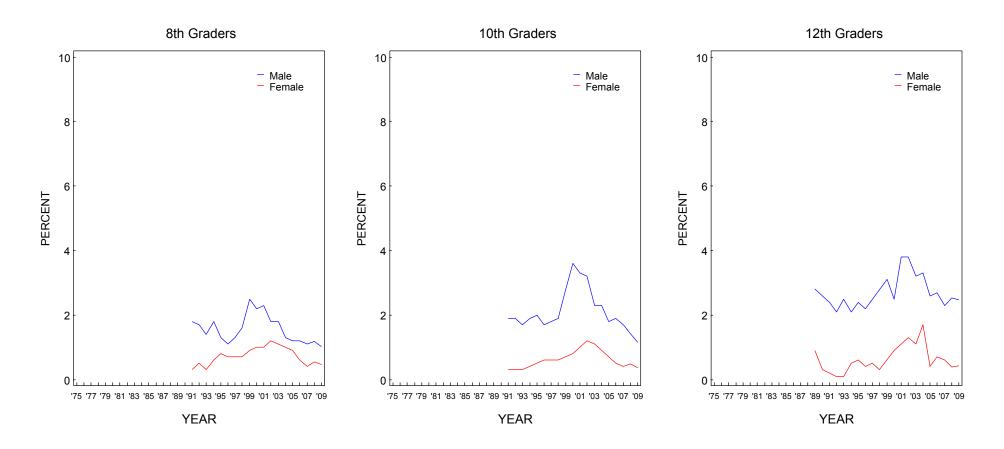


FIGURE 254
Steroids: Trends in Annual Prevalence by College Plans

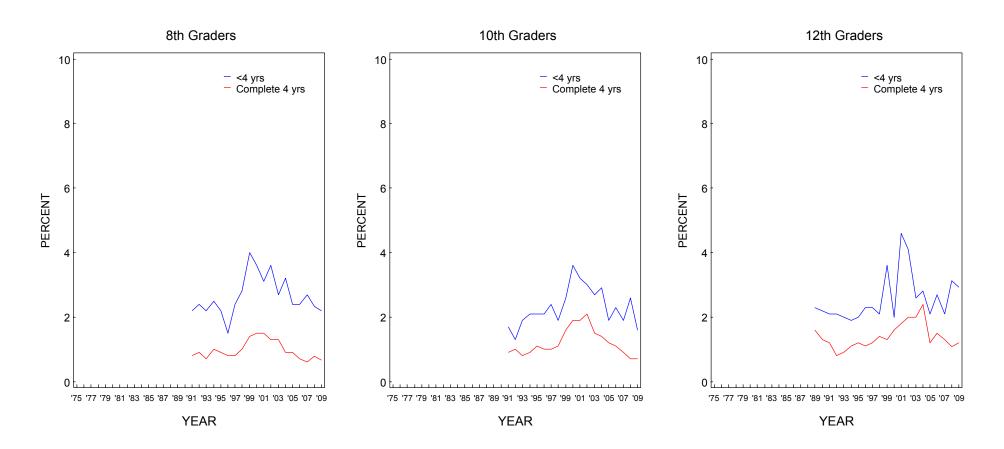


FIGURE 255 Steroids: Trends in Annual Prevalence by Region

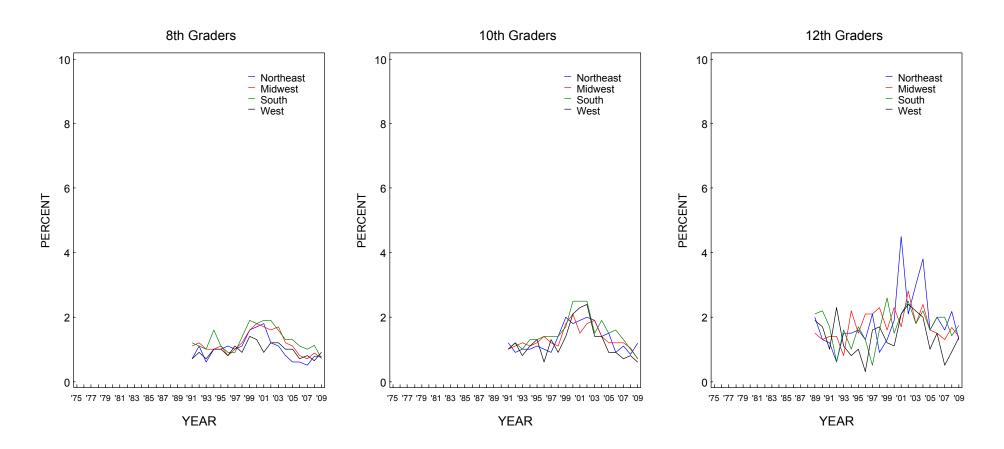


FIGURE 256 Steroids: Trends in Annual Prevalence by Population Density

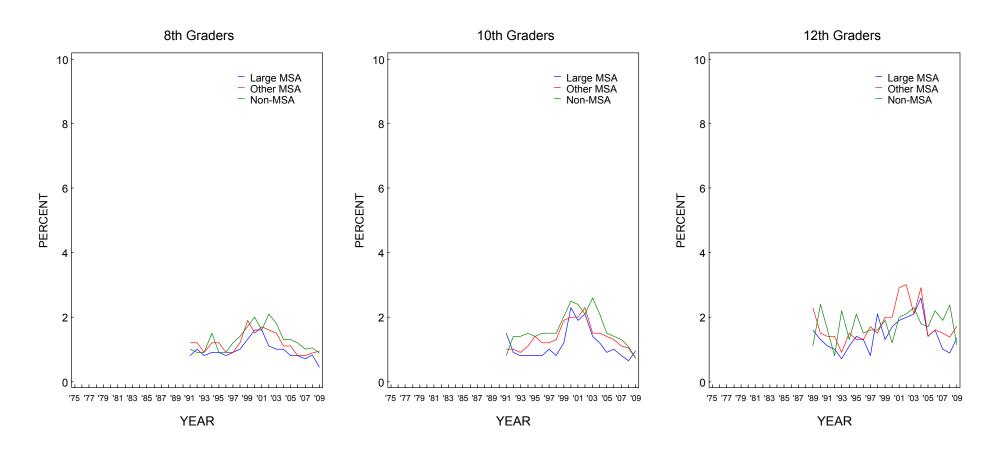


FIGURE 257
Steroids: Trends in Annual Prevalence by Average Education Level of Parents

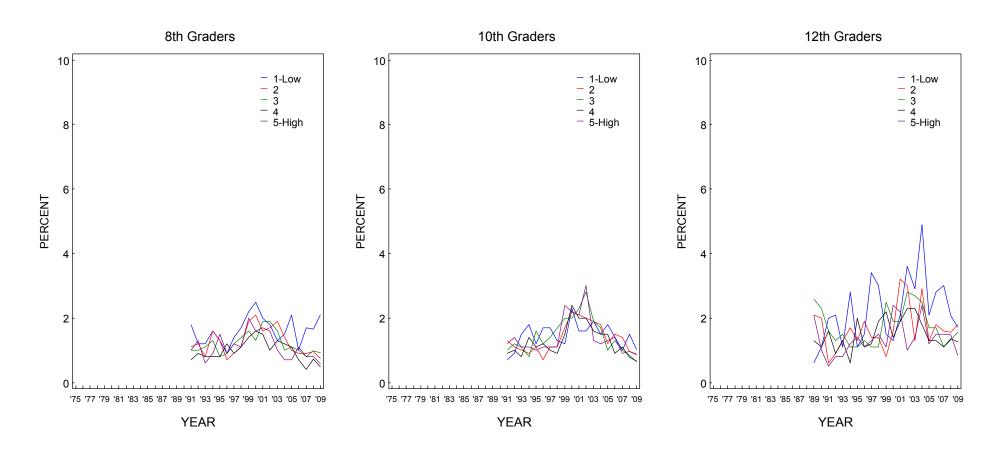
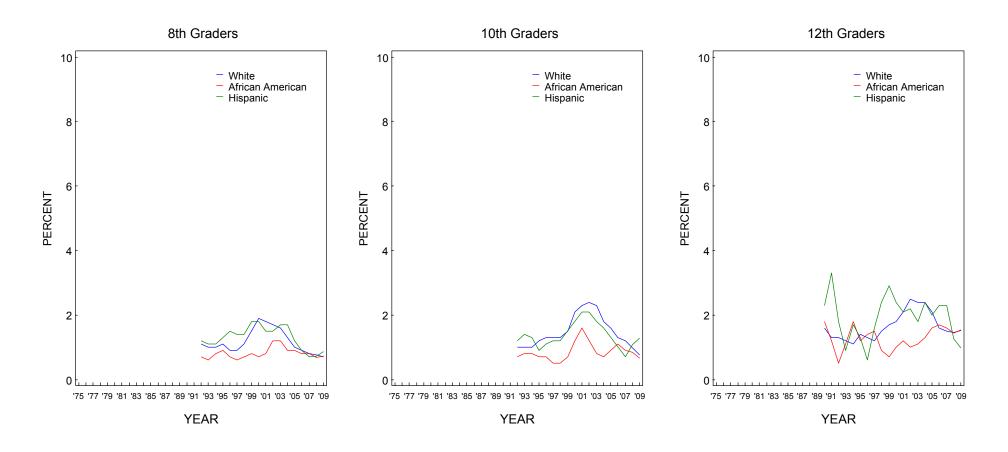


FIGURE 258
Steroids: Trends in Annual Prevalence by Race/Ethnicity\*



<sup>\*</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

### Appendix B

# DEFINITION OF BACKGROUND AND DEMOGRAPHIC SUBGROUPS

The following are brief definitions of the background and demographic subgroups used in this volume. (Note: All case counts provided in the tables are based on weighted *Ns*.)

**Total:** The total sample of respondents in a given year based on weighted cases (set to

equal the actual total number of cases).

**Gender:** *Male and female.* Respondents are asked "What is your sex?" Those with missing

data on the question are omitted from the data presented by gender.

College

**Plans:** Respondents are asked how likely it is that they will graduate from a four-year

college program. College plans groupings are defined as follows:

*None or under four years.* Respondents who indicate they "definitely won't" or "probably won't" graduate from a four-year college program. (Note that, among those who do not expect to complete a four-year college program, a number still expect to get some postsecondary education.)

*Complete four years.* Respondents who indicate they "definitely will" or "probably will" graduate from a four-year college program.

Those not answering the college plans question are omitted from both groupings.

**Region:** 

Region of the country in which the respondent's school is located. There are four mutually exclusive regions based on U.S. Census Bureau categories, defined as follows:

*Northeast.* Census classifications of New England and Middle Atlantic states consist of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania.

*Midwest (formerly North Central)*. Census classifications of East North Central and West North Central states consist of Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas.

South. Census classifications of South Atlantic, East South Central, and West South Central states consist of Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida,

Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, and Texas.

West. Census classifications of Mountain and Pacific states consist of Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, and California (Alaska and Hawaii are also included in this Census region, but are not included in the MTF study).

# Population Density:

Population density of the area in which the schools are located. There are three mutually exclusive groups that have been variously defined, as described below. (The 1975–1985 samples were based on the 1970 Census; in 1986, one half of the sample was based on the 1970 Census and the other half was based on the 1980 Census. In 1987 through 1993 the samples were based on the 1980 Census; in 1994, half of the sample was based on the 1980 Census and half on the 1990 Census. Starting in 2006, each first-year half sample of schools comes from a sample design that utilizes 2000 Census counts as the measure of size for first-stage units. The three levels of population density were defined in terms of Standard Metropolitan Statistical Area (SMSA) designations through 1985, and then changed to the new Census Bureau classifications of Metropolitan Statistical Areas (MSAs), as described here:

Large MSA. These were the 12 largest SMSAs as of the 1970 Census and were used for the 1975–1985 samples: New York, Los Angeles, Chicago, Philadelphia, Detroit, San Francisco, Washington, Boston, Pittsburgh, St. Louis, Baltimore, and Cleveland. As of the 1980 Census, the "large MSA" group consisted of the 16 largest MSAs. This new structure was used for the 1986–1994 samples. These 16 MSAs include all of the MSAs mentioned above (except Cleveland) plus Dallas-Fort Worth, Houston, Nassau-Suffolk, Minneapolis-St. Paul, and Atlanta.

A new sample design was developed, based on the 1990 Census, beginning with the first-year half sample of schools chosen in 1994. In the 1990s sample, only the eight largest MSAs are represented with certainty at all three grade levels; 16 other large MSAs are divided into pairs, with half randomly assigned to the 12th-and 8th-grade samples and the other half assigned to the 10th-grade sample. The eight largest MSAs are New York, Los Angeles, Chicago, Philadelphia PA-NJ, Detroit, Washington DC-MD-VA, Dallas-Ft. Worth, and Boston. The other 16 large MSAs are Houston, Atlanta, Seattle-Tacoma, Minneapolis MN-WI, St. Louis MO-IL, San Diego, Baltimore, Pittsburgh, Phoenix, Oakland, Cleveland, Miami, Newark, Denver, San Francisco, and Kansas City MO-KS.

*Other MSAs.* This category consists of all other MSAs, as defined by the Census, except those listed previously. Except in the New England states, an MSA is a county or group of contiguous counties that contain at least one city of 50,000 inhabitants or more, or twin cities with a combined population of at least 50,000. In the New England states, MSAs consisted of towns and cities instead of

counties until 1994, after which New England Consolidated Metropolitan Areas (NECMAs) were used to define MSAs. Each MSA must include at least one central city, and the complete title of an MSA identifies the central city or cities. For the complete description of the criteria used in defining MSAs, see the Office of Management and Budget publication, *Metropolitan Statistical Areas*, 1990 (NTIS-PB90-214420), Washington, D.C. The population living in MSAs is designated as the metropolitan population.

**Non-MSAs.** This category consists of all areas not designated as MSAs—in other words, they do not contain a town (or twin cities) of at least 50,000 inhabitants. The population living outside MSAs constitutes the nonmetropolitan population.

## Parental Education:

This is an average of mother's education and father's education based on the respondent's answers about the highest level of education achieved by each parent, using the following scale: (1) completed grade school or less, (2) some high school, (3) completed high school, (4) some college, (5) completed college, (6) graduate or professional school after college. Missing data was allowed on one of the two variables. The respondent is instructed, "If you were raised mostly by foster parents, stepparents, or others, answer for them. For example, if you have both a stepfather and a natural father, answer for the one that was most important in raising you."

## Race/ Ethnicity:

From 1975 through 2004, respondents were asked "How do you describe yourself?" and presented with a list of various racial/ethnic categories. A general instruction told them to select the *one* best response for each question. In 2005 we revised the instructions in half of the questionnaire forms in order to be more consistent with the guidelines of the Office of Management and Budget for assessing race/ethnicity. In the changed forms, respondents were presented with a list of racial/ethnic categories and instructed to "select one or more responses." An examination of the data showed that relatively few respondents (about 6% in 2005) selected more than one racial/ethnic category. In 2006 and thereafter the revised instruction was used in all forms.

For the reporting of the 2005 results, the data from the original race/ethnicity question were combined with data from the revised race/ethnicity question in the following manner: For the original question, respondents were assigned to the racial/ethnic group specified in their response. For the revised question, those checking only White and no other racial/ethnic group were categorized as White; those checking Black or African American and no other racial ethnic group were categorized as African American; and those checking Mexican American or Chicano, Cuban American, Puerto Rican, or other Hispanic or Latino and no other

racial/ethnic group were categorized as Hispanic.<sup>119</sup> In the volumes for 2006 and beyond, all questionnaire forms use the revised question on race/ethnicity. Those checking multiple racial/ethnic groups or one of the other specified groups are omitted from the reporting on race/ethnicity in this volume, because of the small numbers of cases.

*White.* Consists of those respondents who describe themselves as White or Caucasian in 1975–2004. In 2005 the unchanged questionnaire forms were treated in a similar manner and the changed forms were treated in the manner described above. Beginning in 2006 all forms were treated in the manner described above.

African American. Consists of those respondents who in 1975–1990 describe themselves as Black or Afro-American or who, in 1991–2004, describe themselves as Black or African American. In 2005 the unchanged questionnaire forms were treated in a similar manner and the changed forms were treated in the manner described above. Beginning in 2006 all forms were treated in the manner described above.

*Hispanic*. Consists of those respondents who in 1975–1990 describe themselves as Mexican American or Chicano, or Puerto Rican or other Latin American. After 1990 this group includes those respondents who describe themselves as Mexican American or Chicano, Cuban American, Puerto Rican American, or other Latin American. After 1994, the term "Puerto Rican American" was shortened to "Puerto Rican." In 2005 the unchanged questionnaire forms were treated in a similar manner and the changed forms were treated in the manner described above. Beginning in 2006 all forms were treated in the manner described above.

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<sup>&</sup>lt;sup>119</sup>Because some survey questions appear in only one or a few forms, there was some variation in the version of the race/ethnicity question upon which the 2005 data are based. Based on the analyses we have examined, we do not believe these different permutations make any appreciable difference in the results.

### Appendix D

# TRENDS BY SUBGROUP: SUPPLEMENTAL TABLES FOR SECONDARY SCHOOL STUDENTS

Trend data for the population subgroups discussed in this volume (i.e., defined by gender, college plans, region, community size, level of parental education, and race/ethnicity) are presented here for all major classes of licit and illicit drugs. Due to the sheer quantity of information such trend tables generate for each prevalence measure (e.g., lifetime, annual, 30-day, daily), we have selected the prevalence periods that seem most useful for understanding subgroup differences. Thus, for most drugs, we include only annual prevalence; but rates for different prevalence periods are provided for alcohol, cigarettes, and smokeless tobacco because of their more frequent use.

The subgroups distinguished in these tables are used throughout this volume and defined in appendix B. The reader should note that *two-year moving averages* are given for the three major racial/ethnic groups included here in order to reduce random fluctuations in the trends, particularly among Hispanics. A footnote in each table describes the procedure. A question change was introduced in half of the questionnaire forms in 2005 for the race/ethnicity variable, allowing respondents to select multiple categories of race/ethnicity rather than just one (see appendix B). In 2006, the remaining questionnaire forms were changed in a like manner. However, we believe that this change has had little or no effect on the results because so few respondents selected more than one of the categories offered.

For nearly all drugs there is one table presenting the subgroup trends for 8th graders, a second table for 10th graders, and a third table giving the longer term trends for 12th graders. However, for two of the drugs—sedatives (barbiturates) and narcotics other than heroin—the 8th- and 10th-grade data have been omitted, as they have been throughout the volume, because we are less certain about the validity of the answers provided by those younger students. Specifically, we believe that they often fail to omit nonprescription substances. Usage questions for a few other drugs are simply not asked of 8th and 10th graders; thus only 12th-grade tables are presented.

Note that for the 2008–2009 interval only, an adjusted change score is entered into the table for 10th graders for the total sample, but not for the individual subgroups. As has been described in various places in this monograph, the adjusted change score is based on the matched half sample of schools that participated in both the 2008 and 2009 surveys, because we concluded that they likely gave a better estimate of the actual change in that one-year interval than did the whole samples. We do not present a similar adjustment for the 10th-grade subgroups, because of the limited numbers of cases available.

Sample sizes, provided in Tables D-S1 through D-S3, should be taken into account when interpreting the importance of any changes observed. The reader should be aware that the numbers provided in those tables assume that all respondents in a given grade were asked about their use of the drug. Some of the drugs were not contained in all questionnaire forms, meaning

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that the subgroup and total *N*s must be adjusted accordingly. The "Notes" section at the bottom of each table will indicate if only a fraction of the sample received the question.

Chart presentations of the trends presented in these tables for the various demographic subgroups are presented in Occasional Paper No. 73, which is available on the MTF Web site (www.monitoringthefuture.org) under "Publications" and then under "Occasional Papers." This chart presentation, which uses color to help distinguish the various subgroups, is published in electronic form only due to the high cost of printing a document of this length in color. Because the figures are considerably easier to comprehend than large data tables, the reader interested in these trends is encouraged to make use of the occasional paper.

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<sup>&</sup>lt;sup>127</sup>Johnston, L. D., O'Malley, P. M., Bachman, J. G., & Schulenberg, J. E. (2010). *Demographic subgroup trends for various licit and illicit drugs*, 1975–2009 (Monitoring the Future Occasional Paper No. 73) [Online]. Ann Arbor, MI: Institute for Social Research, 425 pp.

List of 2009 Appendix D Tables

		Table Numbe	r		Time Period	
Substance	8th Grade	10th Grade	12th Grade	Annual	30-Day	Daily
Any illicit drug	D-1	D-2	D-3	X		
Any illicit drug other than marijuana	D-4	D-5	D-6	X		
Marijuana	D-7	D-8	D-9	X		
Inhalants	D-10	D-11	D-12	X		
Hallucinogens	D-13	D-14	D-15	X		
LSD	D-16	D-17	D-18	X		
Hallucinogens other than LSD	D-19	D-20	D-21	X		
Ecstasy (MDMA)	D-22	D-23	D-24	X		
Salvia	_		D-25	X		
Cocaine	D-26	D-27	D-28	X		
Crack	D-29	D-30	D-31	X		
Other cocaine	D-32	D-33	D-34	X		
Heroin	D-35	D-36	D-37	X		
Heroin with a needle	D-38	D-39	D-40	X		
Heroin without a needle	D-41	D-42	D-43	X		
Narcotics other than heroin	_	_	D-44	X		
OxyContin	D-45	D-46	D-47	X		
Vicodin	D-48	D-49	D-50	X		
Amphetamines	D-51	D-52	D-53	X		
Ritalin	D-54	D-55	D-56	X		
Adderall	D-57	D-57	D-57	X		
Provigil	_	_	D-58	X		
Methamphetamine	D-59	D-60	D-61	X		
Crystal methamphetamine (ice)	_	_	D-62	X		
Sedatives (barbiturates)	_	_	D-63	X		
Tranquilizers	D-64	D-65	D-66	X		
OTC cough/cold medicines	D-67	D-68	D-69	X		
Rohypnol	D-70	D-71	D-72	X		
Alcohol	D-73	D-74	D-75		X	
Been drunk	D-76	D-77	D-78		X	
5+ drinks in a row	D-79	D-80	D-81			X
Beer	D-82	D-83	D-84		X	
5+ drinks in a row	D-85	D-86	D-87			X
Liquor	_	_	D-88		X	
5+ drinks in a row	_	_	D-89			X
Wine	_	_	D-90		X	
5+ drinks in a row	_	_	D-91			X
Wine coolers	D-92	D-93	D-94		X	
5+ drinks in a row	_	_	D-95			X
Flavored alcoholic beverages	D-96	D-97	D-98		X	
Cigarettes	D-99	D-100	D-101		X	
Daily	D-102	D-103	D-104			X
1/2 pack+/day	D-105	D-106	D-107			X
Smokeless tobacco	D-108	D-109	D-110		X	
Daily	D-111	D-112	D-113			X
Steroids	D-114	D-115	D-116	X		
Weighted N s by subgroups	D-S1	D-S2	D-S3			

TABLE D-1
Any Illicit Drug: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months															2008-				
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change
Approximate wtd. N =		18,600	18,300	17,300	17.500	17.800	18,600	18,100	16,700	16.700	16,200	15,100	16,500	17,000	16.800	16,500	16.100	15,700	15,000	criarige
Total	11.3	12.9	15.1	18.5	21.4	23.6	22.1	21.0	20.5	19.5	19.5	17.7	16.1	15.2	15.5	14.8	13.2	14.1		+0.4
Gender:																				
Male	11.7	11.9	15.2	19.4	22.3	23.6	22.6	21.3	21.3	19.7	21.3	19.2	16.4	15.0	15.2	15.1	13.2	14.3	15.7	+1.4
Female	11.0	13.6	14.9	17.6	20.2	23.3	21.3	20.4	19.7	19.0	17.5	16.3	15.5	15.2	15.6	14.2	12.9	13.7	13.1	-0.6
College Plans:																				
None or under 4 years	22.8	25.6	30.7	34.6	38.4	40.3	39.6	41.3	39.9	38.9	38.5	36.8	34.7	33.6	35.2	33.1	31.9	34.5	30.7	-3.8
Complete 4 years	9.5	10.9	12.8	16.3	19.1	21.0	19.9	18.4	18.0	17.1	17.2	15.7	14.0	13.2	13.3	13.0	11.4	12.3	13.0	+0.7
Region:																				
Northeast	9.3	10.6	11.5	16.6	17.9	20.3	20.2	16.0	18.2	16.6	18.1	13.8	13.1	13.0	12.3	10.8	8.1	11.3	13.8	+2.5
Midwest	11.2	13.0	13.9	17.2	23.3	24.7	22.3	21.9	22.6	20.6	18.0	17.0	15.7	14.2	15.9	13.9	12.9	15.5	13.5	-2.0
South	11.5	12.9	15.1	17.6	20.8	22.5	21.6	22.3	21.0	19.2	21.5	20.1	18.1	16.8	17.4	17.7	15.2	15.6	15.9	+0.3
West	13.3	15.0	21.1	23.7	23.3	27.1	24.4	22.0	19.2	21.0	18.9	18.4	15.6	15.5	14.5	13.9	13.3	12.4	13.5	+1.1
Population Density:																				
Large MSA	10.5	12.0	13.1	16.2	15.2	23.4	20.5	19.8	19.1	18.1	16.4	15.9	14.3	14.0	14.9	13.5	11.5	12.5	12.4	0.0
Other MSA	12.1	14.4	17.3	21.5	23.7	24.9	22.6	21.4	19.5	18.8	21.5	18.3	16.2	15.9	16.2	15.6	13.8	15.1	15.7	+0.6
Non-MSA	10.8	11.2	12.9	14.0	20.3	21.4	22.9	21.6	24.3	22.7	19.1	18.9	18.1	15.3	15.0	15.2	14.5	14.2	14.5	+0.3
Parental Education: <sup>b</sup>																				
1.0-2.0 (Low)	19.5	18.5	20.8	26.1	29.8	26.7	29.5	30.4	30.2	30.9	29.9	27.3	26.4	25.7	24.9	23.7	23.2	23.3	21.5	-1.7
2.5–3.0	11.7	14.1	17.1	20.2	24.3	25.7	25.5	24.2	24.9	23.9	23.3	22.4	20.4	18.5	20.5	18.6	16.8	19.2	19.0	-0.2
3.5–4.0	11.6	13.6	15.4	19.7	23.4	26.2	23.8	21.8	21.0	20.1	21.5	18.5	16.9	16.7	16.7	16.5	14.9	15.3	15.8	+0.5
4.5–5.0	8.7	10.2	12.8	15.7	17.4	21.3	19.3	17.8	15.6	14.6	15.0	14.5	12.0	12.1	11.4	11.0	9.2	10.5	11.1	+0.6
5.5-6.0 (High)	10.2	10.1	11.8	14.9	17.7	19.8	16.8	17.1	15.8	15.0	13.4	12.1	11.0	10.9	9.8	9.9	8.1	9.6	9.9	+0.4
Race/Ethnicity (2-year average):																				
White	_	11.8	13.6	15.7	19.2	22.4	23.0	21.5	19.9	19.1	19.0	18.3	16.5	14.9	14.4	14.1	13.1	13.0	13.5	+0.5
African American	_	7.9	9.3	13.0	15.8	17.5	18.1	18.1	18.6	18.3	16.7	15.1	14.6	14.6	15.6	14.9	12.7	12.3	14.2	+1.8
Hispanic	_	18.1	20.6	24.6	26.7	26.9	26.5	26.7	27.4	25.1	24.3	24.8	22.8	20.9	18.8	17.9	16.8	16.1	16.8	+0.7

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>a</sup>Use of "any illicit drug" includes any use of marijuana, LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of amphetamines or tranquilizers not under a doctor's orders. The use of

narcotics other than heroin and sedatives (barbiturates) has been excluded because 8th and 10th graders appear to overreport their use (perhaps because they include the use of nonprescription drugs in their answers).

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>o</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

TABLE D-2
Any Illicit Drug: Trends in Annual Prevalence of Use by Subgroups in Grade 10

2008-

								Percen	tage wh	o used ir	last 12	months								2008–	2008–
Approximate wtd. N =	<u>1991</u> 14,800	<u>1992</u> 14,800	<u>1993</u> 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	<u>1999</u> 13,600	2000 14,300	<u>2001</u> 14,000	<u>2002</u> 14,300	<u>2003</u> 15,800	<u>2004</u> 16,400	2005 16,200	<u>2006</u> 16,200	<u>2007</u> 16,100	<u>2008</u> 15,100	<u>2009</u> 15,900	2009 <u>change</u>	adjusted <u>change</u>
Total	21.4	20.4	24.7	30.0	33.3	37.5	38.5	35.0	35.9	36.4	37.2	34.8	32.0	31.1	29.8	28.7	28.1	26.9	29.4	+2.6 s	[+0.4]
Gender:																					
Male	21.6	20.4	25.1	31.8	33.7	38.8	40.1	35.3	37.0	39.4	39.6	35.9	33.2	32.0	30.5	29.3	29.5	27.9	31.6	+3.7 ss	
Female	21.1	20.1	24.0	28.0	32.5	36.3	36.8	34.7	34.6	33.5	35.0	33.7	30.8	30.2	28.9	28.1	26.7	25.6	27.3	+1.7	
College Plans:																					
None or under 4 years	32.7	32.0	37.7	43.2	47.3	52.4	55.2	50.5	51.8	53.5	52.7	51.5	48.6	46.9	45.8	46.2	45.7	47.0	48.5	+1.6	
Complete 4 years	18.9	17.8	21.9	27.0	30.8	35.0	35.7	32.2	33.2	33.9	34.6	32.1	29.2	28.9	27.6	26.4	25.7	24.2	27.3	+3.1 ss	
Region:																					
Northeast	21.8	19.0	26.9	29.6	32.4	37.7	37.8	39.0	38.2	34.0	37.4	35.2	32.6	32.8	31.3	27.8	27.7	28.6	26.2	-2.4	
Midwest	21.7	20.7	22.4	28.5	32.1	37.6	37.7	32.0	35.2	34.8	35.9	33.7	28.8	28.8	29.1	28.2	28.1	25.8	26.2	+0.3	
South	19.2	17.9	23.3	29.2	33.2	37.9	38.7	35.1	34.8	36.0	36.7	33.9	34.0	32.9	31.1	29.7	26.7	27.1	31.6	+4.5 s	
West	23.7	25.5	28.9	34.4	36.1	36.8	40.2	34.5	36.0	41.6	40.7	37.7	32.3	29.8	26.9	29.0	30.2	26.2	32.6	+6.4 ss	
Population Density:																					
Large MSA	21.4	19.9	24.0	29.4	28.7	35.5	37.2	32.6	35.0	36.5	34.0	33.0	30.5	28.9	28.0	27.3	27.9	26.4	29.0	+2.6	
Other MSA	22.0	20.8	25.1	32.7	35.5	40.0	40.0	36.9	37.3	36.6	39.0	36.9	32.4	32.0	31.1	28.6	28.3	28.1	30.7	+2.6	
Non-MSA	20.4	20.1	24.4	24.7	30.7	35.1	37.2	34.5	33.9	35.8	37.4	32.8	33.5	32.3	29.5	31.4	27.8	24.8	27.4	+2.6	
Parental Education.b																					
1.0-2.0 (Low)	25.5	24.8	29.2	32.6	38.2	39.5	38.3	36.6	42.2	42.4	39.0	39.4	38.8	37.7	33.2	36.2	32.0	33.6	39.5	+5.9 s	
2.5–3.0	23.0	21.3	25.4	31.1	37.1	39.1	40.8	39.1	39.4	39.2	41.6	39.4	36.4	34.0	34.3	33.7	33.0	31.7	32.8	+1.2	
3.5–4.0	21.2	20.6	24.9	30.5	34.7	40.1	41.6	35.6	35.4	39.5	38.2	35.5	33.3	33.6	30.6	30.6	30.2	29.2	30.3	+1.1	
4.5–5.0	19.4	18.7	22.5	28.1	30.9	35.5	36.3	31.9	32.8	32.6	35.1	31.9	27.8	27.7	27.6	24.6	24.7	22.3	26.5	+4.2 ss	
5.5-6.0 (High)	21.1	18.5	23.6	27.2	26.6	33.6	33.7	31.5	34.6	31.3	32.7	29.1	27.5	26.2	25.9	24.3	21.7	21.7	24.5	+2.8	
Race/Ethnicity (2-year average): <sup>c</sup>																					
White	_	22.4	23.7	27.9	32.6	36.5	39.3	38.2	36.4	36.9	37.6	37.6	35.0	32.2	31.0	30.2	29.4	28.0	27.9	-0.1	
African American	_	10.8	11.9	18.5	23.6	27.3	30.2	28.9	28.4	29.7	30.5	28.5	27.3	29.3	29.0	26.2	24.2	22.4	23.5	+1.2	
Hispanic	_	23.6	26.3	30.3	34.3	40.0	41.3	38.1	38.4	39.3	38.8	36.2	33.8	34.5	32.8	28.5	27.3	30.1	33.1	+3.0	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>quot;[]" indicates that because we believe the 2008-2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>quot;Use of "any illicit drug" includes any use of marijuana, LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of amphetamines or tranquilizers not under a doctor's orders. The use of narcotics other than heroin and sedatives (barbiturates) has been excluded because 8th and 10th graders appear to overreport their use (perhaps because they include the use of nonprescription drugs in their answers).

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

**TABLE D-3** Any Illicit Drug: a,b Trends in Annual Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 12 months

	-							1 01001	lage Will	o doca iii	1001 12 1	HOHILIO						
	Approximate wtd. N =	1975 9,400	<u>1976</u> 15,400	<u>1977</u> 17,100	<u>1978</u> 17,800	<u>1979</u> 15,500	<u>1980</u> 15,900	<u>1981</u> 17,500	<u>1982</u> 17,700	1983 16,300	<u>1984</u> 15,900	1985 16,000	<u>1986</u> 15,200	1987 16,300	1988 16,300	1989 16,700	<u>1990</u> 15,200	<u>1991</u> 15,000
Total		45.0	48.1	51.1	53.8	54.2	53.1	52.1	49.4	47.4	45.8	46.3	44.3	41.7	38.5	35.4	32.5	29.4
Gender:																		
Male		49.0	52.6	55.4	58.6	58.1	56.0	53.6	51.8	49.7	48.0	48.3	45.7	43.2	40.6	37.7	34.3	32.1
Female		41.4	43.0	46.7	48.7	50.1	49.8	50.8	46.3	44.4	42.8	43.8	42.3	39.7	36.1	32.8	30.1	26.2
College Pla	ans:																	
None or u	under 4 years	_	50.6	54.3	55.5	56.8	56.5	55.8	53.4	50.8	50.3	50.1	48.6	46.7	42.0	40.9	37.8	33.9
Complete	e 4 years	_	44.3	46.8	50.5	50.5	49.7	48.6	45.5	43.7	41.4	43.1	41.2	39.0	36.5	32.6	29.6	27.1
Region:																		
Northeast	t	51.5	55.3	56.8	61.6	62.9	58.9	58.8	55.1	53.8	54.7	53.2	49.7	45.8	41.2	36.0	36.4	31.9
Midwest		45.5	47.6	51.9	54.6	55.0	53.1	53.4	50.3	46.9	42.4	45.7	45.0	42.7	39.7	38.7	34.0	31.3
South		38.1	42.3	46.2	47.5	45.4	47.0	43.7	42.2	41.3	41.4	37.2	37.4	35.9	34.2	30.7	27.6	24.5
West		48.3	49.7	50.0	53.2	56.4	55.8	55.5	51.7	50.7	49.1	53.3	47.8	45.7	41.8	39.5	34.4	32.6
Population	Density:																	
Large MS	SA	54.5	54.6	56.3	60.3	61.3	59.9	57.8	54.8	52.0	49.7	49.9	48.0	43.9	39.1	32.9	32.6	28.6
Other MS	SA	45.0	47.8	52.4	54.5	55.2	53.8	52.1	49.8	49.6	46.7	46.5	45.1	42.7	40.5	36.3	33.5	33.0
Non-MSA	1	38.8	43.7	45.2	47.4	47.6	47.0	47.6	44.0	41.1	41.4	43.0	40.0	37.6	34.3	36.0	30.1	23.8
Parental E	ducation: <sup>c</sup>																	
1.0-2.0 (l	Low)	_	43.4	45.3	47.7	50.2	49.5	48.1	44.3	45.1	42.7	42.8	38.1	35.4	35.8	28.4	26.6	28.7
2.5-3.0		_	49.2	51.8	53.3	53.2	53.0	51.2	48.8	46.3	45.7	46.0	44.8	41.8	37.2	35.3	32.7	28.7
3.5-4.0		_	48.9	53.1	55.1	56.1	54.2	52.8	50.8	46.5	47.6	47.2	45.6	42.2	38.6	37.7	33.8	29.6
4.5-5.0		_	50.8	51.7	56.3	57.1	54.0	53.4	49.7	48.9	44.9	48.4	44.7	43.1	40.0	35.5	33.1	28.7
5.5-6.0 (H	High)	_	51.3	51.8	59.1	54.3	55.0	54.8	48.5	46.1	45.5	44.5	44.5	43.5	40.6	36.3	33.3	31.9
Race/Ethni	icity (2-year average):d																	
White		_	_	50.4	53.5	55.2	54.9	54.4	50.7	49.3	47.4	47.6	47.2	45.2	43.0	40.3	37.5	33.9
African A	merican	_	_	40.8	42.8	41.5	40.5	39.0	36.4	38.5	37.8	35.9	33.3	28.9	25.0	21.3	17.0	14.7
Hispanic		_	_	49.9	49.5	48.4	48.1	46.8	42.7	42.0	43.1	43.9	42.8	38.9	35.4	30.1	26.4	29.4

(Table continued on next page.)

TABLE D-3 (cont.)
Any Illicit Drug: a,b Trends in Annual Prevalence of Use by Subgroups in Grade 12

<u>.</u>	Percentage who used in last 12 months																2008-		
	4000	1000	1001	4005	4000	4007	4000	1000	0000	0004	0000	0000	0004	0005	0000	0007	0000	0000	2009
Approximate wtd. N =	1992 15.800	1993 16.300	<u>1994</u> 15.400	<u>1995</u> 15.400	1996 14.300	<u>1997</u> 15.400	1998 15.200	1999 13.600	2000 12,800	2001 12.800	2002 12,900	2003 14.600	2004 14.600	2005 14.700	2006 14.200	2007 14,500	2008 14.000	2009 13,700	<u>change</u>
Total	27.1	31.0	35.8	39.0	40.2	42.4	41.4	42.1	40.9	41.4	41.0	39.3	38.8	38.4	36.5	35.9	36.6	36.5	0.0
Gender:	27.1	31.0	33.0	33.0	40.2	42.4	41.4	42.1	40.5	41.4	41.0	33.3	30.0	30.4	30.3	33.3	30.0	30.3	0.0
Male	29.0	33.5	38.6	41.5	43.4	44.1	45.2	45.0	43.4	43.8	43.5	41.3	41.4	42.1	37.5	38.4	38.8	39.9	+1.1
Female	24.7	27.9	32.7	35.8	36.2	40.0	37.2	38.9	38.0	38.4	37.8	36.7	35.9	34.5	35.0	33.2	34.1	33.2	-1.0
College Plans:	24.7	21.5	32.1	33.0	30.2	40.0	31.2	30.3	30.0	30.4	37.0	30.7	33.3	34.3	33.0	33.2	34.1	33.2	-1.0
None or under 4 years	33.5	34.9	40.8	44.1	46.2	48.8	47.3	47.9	45.1	46.2	46.2	46.8	44.4	46.5	46.1	43.7	46.0	42.7	-3.3
Complete 4 years	24.4	29.2	33.6	36.7	37.8	40.1	39.1	40.3	38.8	39.6	39.3	36.6	36.8	36.1	33.8	34.0	34.2	34.9	+0.7
Region:	24.4	20.2	55.0	30.7	37.0	40.1	55.1	40.0	30.0	55.0	55.5	30.0	30.0	30.1	55.0	34.0	54.2	04.0	10.7
Northeast	28.7	36.1	39.4	41.7	44.6	47.7	46.2	42.5	46.2	47.4	45.7	43.7	43.9	43.2	42.0	41.9	40.0	40.5	+0.5
Midwest	27.8	30.8	36.5	40.9	40.9	40.6	38.1	42.1	38.9	42.0	41.6	40.0	38.2	38.8	36.3	37.3	35.1	36.5	+1.4
South	23.7	28.2	34.1	36.4	37.6	38.8	40.5	40.8	35.3	37.3	38.1	34.8	35.7	36.6	34.9	33.6	36.0	34.7	-1.3
West	31.1	31.8	34.7	38.2	39.1	45.9	43.1	44.2	47.4	41.9	40.5	41.4	39.6	36.3	34.6	33.4	36.5	36.0	-0.5
Population Density:	01.1	01.0	01.7	00.2	00.1	10.0	10.1	77.2	-111	41.0	10.0		00.0	00.0	01.0	00.1	00.0	00.0	0.0
Large MSA	26.8	32.9	36.4	41.7	41.3	42.1	42.0	42.4	41.1	43.9	41.9	35.7	36.3	38.5	38.2	37.9	37.7	40.2	+2.6
Other MSA	27.3	31.7	37.8	39.0	42.3	44.2	42.1	43.3	42.6	41.0	42.4	42.7	42.4	39.8	36.7	35.1	35.7	35.8	+0.1
Non-MSA	27.0	28.4	31.6	35.9	35.4	39.2	39.3	39.9	37.5	39.4	37.1	37.6	34.9	35.5	33.5	34.7	37.2	33.4	-3.8
Parental Education: <sup>c</sup>																			
1.0–2.0 (Low)	27.7	29.5	32.9	37.7	36.6	40.3	38.9	40.9	41.3	38.8	35.3	35.8	34.7	32.0	37.6	35.6	34.6	33.0	-1.6
2.5–3.0	26.4	29.2	35.4	38.3	39.9	40.8	40.5	43.7	40.5	41.9	39.3	39.0	37.7	38.9	38.2	37.8	37.5	37.4	-0.1
3.5–4.0	28.1	31.6	36.4	38.8	40.4	42.0	42.9	42.9	41.6	42.7	43.2	41.3	42.1	41.3	37.1	35.0	35.9	38.4	+2.4
4.5–5.0	26.2	31.5	36.5	39.0	40.5	43.6	40.9	40.0	39.6	41.3	42.0	38.9	38.2	38.8	33.2	34.9	36.5	35.4	-1.1
5.5-6.0 (High)	26.8	33.4	35.7	40.7	40.6	44.0	41.8	42.3	41.1	40.1	40.6	36.5	37.4	36.0	37.3	36.9	36.7	36.6	-0.2
Race/Ethnicity (2-year average):																			
White	30.5	31.4	35.5	39.0	40.8	42.8	44.0	43.3	42.8	43.1	43.6	42.8	42.0	41.6	40.0	38.5	38.7	38.7	0.0
African American	14.5	16.6	23.5	29.6	32.4	33.0	32.3	32.8	32.7	31.7	30.4	28.3	27.7	29.0	30.0	28.7	28.6	30.4	+1.8
Hispanic	30.3	28.8	31.2	35.5	38.0	41.2	41.9	42.5	44.8	41.8	39.0	35.8	34.4	34.5	34.2	32.2	31.4	32.6	+1.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate

and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

aUse of "any illicit drug" includes any use of marijuana, LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of narcotics other than heroin, amphetamines, sedatives (barbiturates), methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.

<sup>&</sup>lt;sup>b</sup>Beginning in 1982 the question about amphetamine use was revised to get respondents to exclude the inappropriate reporting of nonprescription amphetamines. The prevalence-of-use rate dropped slightly as a result of this methodological change.

<sup>&</sup>lt;sup>c</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>d</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-4
Any Illicit Drug other than Marijuana: Trends in Annual Prevalence of Use by Subgroups in Grade 8

		Percentage who used in last 12 months																	2008-	
	1001	1000	1000	1001	4005	4000	1007	4000	4000	0000	2001 <sup>b</sup>	2002 <sup>b</sup>	0000	0004	0005	0000	0007	0000	0000	2009
Approximate wtd. N =	1991 17 500	<u>1992</u> 18,600	1993 18,300	1994 17,300	1995 17,500	1996 17,800	<u>1997</u> 18,600	<u>1998</u> 18,100	1999 16,700	2000 16,700		<u>2002</u> 15,100	2003 16,500	2004 17,000	2005 16,800	2006 16,500	2007 16.100	2008 15,700	2009 15,000	<u>change</u>
Total	8.4	9.3	10.4	11.3	12.6	13.1	11.8	11.0	10.5	10.2‡	10.8	8.8	8.8	7.9	8.1	7.7	7.0	7.4	7.0	-0.4
Gender:															• • • •					
Male	8.0	8.0	9.2	10.1	11.5	11.0	10.8	9.6	9.7	9.1‡	10.0	8.1	7.9	7.0	6.6	6.5	5.9	6.0	6.6	+0.6
Female	8.8	10.4	11.5	12.3	13.5	14.7	12.6	12.1	11.2	10.9‡	11.2	9.3	9.4	8.8	9.3	8.7	8.0	8.7	7.3	-1.4
College Plans:																				
None or under 4 years	16.3	18.5	21.3	21.2	25.3	23.0	22.1	23.8	23.4	22.7‡	21.5	19.7	20.0	18.0	18.2	17.7	18.1	20.3	18.2	-2.1
Complete 4 years	7.2	8.0	8.9	9.9	10.9	11.6	10.6	9.4	9.0	8.7‡	9.5	7.6	7.5	6.9	7.0	6.7	6.0	6.3	6.0	-0.3
Region:																				
Northeast	6.8	6.6	8.2	10.3	10.7	11.3	9.5	8.5	8.5	8.0‡	9.5	5.8	7.1	5.9	5.8	4.4	4.4	5.2	5.0	-0.1
Midwest	8.6	10.4	9.4	10.2	14.0	14.3	12.5	10.5	11.9	11.2‡	9.9	8.7	8.7	7.7	8.1	7.1	7.4	7.6	6.7	-0.9
South	8.6	9.7	11.0	11.7	12.5	12.6	11.8	12.5	11.2	10.3‡	12.4	10.6	10.0	9.0	9.5	9.8	7.8	8.8	8.4	-0.3
West	9.3	9.8	13.4	12.7	12.7	14.0	13.0	11.1	9.3	10.5‡	10.1	8.4	7.9	8.2	7.7	7.4	6.9	6.7	6.3	-0.3
Population Density:																				
Large MSA	8.0	8.1	8.8	9.8	8.7	12.3	9.9	8.9	8.4	8.5‡	9.7	7.4	7.1	6.9	7.1	6.6	6.1	6.8	5.5	-1.3
Other MSA	8.6	10.4	11.8	12.5	13.5	14.1	12.2	11.2	10.7	10.1‡	11.8	9.2	8.7	8.5	8.8	8.0	7.6	7.7	7.8	+0.1
Non-MSA	8.6	8.9	9.8	9.8	13.2	12.1	13.0	12.8	12.8	12.3‡	10.3	9.8	11.0	8.0	8.1	8.8	7.1	7.6	7.1	-0.6
Parental Education: <sup>c</sup>																				
1.0-2.0 (Low)	12.9	12.9	14.4	15.6	18.0	15.5	14.8	17.3	16.0	15.8‡	14.3	13.0	14.1	15.2	14.3	12.3	11.9	13.6	12.4	-1.1
2.5–3.0	8.5	10.1	11.8	12.4	14.2	13.9	12.9	12.2	12.1	12.2‡	13.2	10.9	10.9	8.8	10.3	9.4	8.3	9.7	8.7	-1.0
3.5–4.0	8.7	10.1	10.6	11.8	14.2	14.5	12.5	11.2	11.3	10.6‡	11.7	9.0	9.0	8.4	9.0	8.4	7.8	8.0	7.4	-0.6
4.5–5.0	7.1	7.5	9.1	9.5	9.7	12.0	10.6	9.4	8.5	7.7‡	8.9	7.6	6.7	6.8	5.7	6.0	4.7	5.4	5.4	0.0
5.5-6.0 (High)	7.8	8.0	8.2	9.4	10.1	11.7	10.3	9.5	8.3	8.4‡	8.0	6.5	6.8	5.9	5.3	6.2	5.5	5.7	5.1	-0.6
Race/Ethnicity (2-year average):																				
White	_	9.0	10.0	10.8	12.6	13.9	13.5	12.5	11.5	11.1	10.6‡	10.3 <sup>e</sup>	9.3	8.7	8.1	8.1	7.6	7.6	7.5	-0.1
African American	_	4.9	5.0	5.9	5.7	5.3	4.7	4.0	4.1	3.8	3.9‡	4.4 <sup>e</sup>	4.4	4.4	4.2	3.9	3.3	3.4	4.1	+0.7
Hispanic	_	12.2	13.7	15.2	15.3	14.7	13.6	13.5	14.5	13.9	12.2‡	11.9 <sup>e</sup>	10.8	10.4	9.9	9.2	8.6	8.4	8.6	+0.2

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001, "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

<sup>&</sup>lt;sup>a</sup>Use of "any illicit drug other than marijuana" includes any use of LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of amphetamines or tranquilizers not under a doctor's orders. The use of narcotics other than heroin and sedatives (barbiturates) has been excluded because 8th and 10th graders appear to overreport their use (perhaps because they include the use of nonprescription drugs in their answers).

bln 2001 the question text was changed on half of the questionnaire forms. "Other psychedelics" was changed to "other hallucinogens," and "shrooms" was added to the list of examples. For the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002,

<sup>&</sup>lt;sup>c</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>d</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>e</sup>Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE D-5
Any Illicit Drug other than Marijuana: Trends in <u>Annual</u> Prevalence of Use by Subgroups in Grade 10

2008-

								Percer	tage wh	o used in	last 12	months								2008-	2009
	1991	1992	1993	1994	1005	1996	1997	1998	1999	2000	2001 <sup>b</sup>	2002 <sup>b</sup>	2003	2004	2005	2006	2007	2008	2000	2009	adjusted change
Approximate wtd. N =		14,800	15,300	15,800	1995 17.000	15,600				<u>2000</u> 14,300			<u>2003</u> 15,800	16,400	16,200	<u>2006</u> 16.200	2007 16.100		2009 15.900	change	change
Total	12.2	12.3	13.9	15.2	17.5	18.4	18.2	16.6	16.7	16.7‡	17.9	15.7	13.8	13.5	12.9	12.7	13.1	11.3	12.2	+0.8	[+0.3]
Gender:																					
Male	11.2	11.1	13.4	14.1	15.8	17.2	17.2	15.6	15.9	16.7‡	18.3	15.1	13.0	12.7	12.0	12.0	12.9	10.9	11.8	+0.9	
Female	13.1	13.2	14.3	16.0	18.9	19.6	19.1	17.5	17.3	16.6‡	17.4	16.4	14.3	14.2	13.6	13.1	13.2	11.5	12.3	+0.8	
College Plans:																					
None or under 4 years	19.6	20.2	23.1	24.0	27.5	29.5	29.6	27.8	27.3	27.7‡	32.1	27.1	23.8	25.3	24.0	24.7	25.0	22.9	25.4	+2.6	
Complete 4 years	10.7	10.5	12.0	13.3	15.7	16.5	16.3	14.6	15.0	15.0‡	15.5	14.0	12.1	11.9	11.4	11.1	11.5	9.8	10.7	+0.9	
Region:																					
Northeast	10.6	9.6	12.8	13.7	14.1	17.2	16.0	17.2	18.2	14.7‡	16.2	13.4	11.7	13.7	13.0	10.4	11.3	8.2	9.0	+0.9	
Midwest	13.2	12.9	12.8	14.8	19.0	20.0	16.2	14.4	16.1	15.8‡	16.5	15.3	13.1	12.0	12.2	12.7	13.4	11.8	11.5	-0.3	
South	11.9	12.2	14.7	15.3	18.4	18.6	20.8	18.3	16.8	17.5‡	19.5	16.8	15.7	14.8	13.9	13.7	13.3	12.6	13.6	+1.0	
West	12.7	14.1	15.6	17.2	17.2	17.4	18.7	15.8	15.7	18.5‡	19.0	16.7	13.8	13.5	12.0	13.3	13.8	11.5	13.7	+2.1	
Population Density:																					
Large MSA	11.8	11.4	12.2	13.1	13.5	16.8	16.3	14.6	15.0	17.2‡	15.6	14.3	10.8	10.4	10.9	11.5	12.0	9.9	10.7	+0.9	
Other MSA	12.3	12.3	14.1	16.1	18.5	19.5	18.0	16.6	17.3	15.6‡	17.4	16.5	14.2	15.1	13.2	12.9	13.4	12.1	13.4	+1.3	
Non-MSA	12.4	13.1	15.0	14.6	17.6	18.3	20.8	18.9	17.5	18.1‡	21.5	16.1	17.2	14.5	14.7	14.1	14.0	11.8	11.7	-0.1	
Parental Education: <sup>c</sup>																					
1.0–2.0 (Low)	14.4	16.6	18.1	17.1	20.8	22.7	19.1	21.5	19.2	20.4‡	19.6	21.0	19.1	16.5	15.9	16.0	15.6	15.2	18.3	+3.1	
2.5–3.0	13.7	12.5	14.6	16.3	19.7	19.4	19.9	19.1	19.1	19.4‡	20.3	18.3	16.7	15.6	14.4	14.9	15.2	13.2	13.6	+0.4	
3.5–4.0	12.1	12.7	14.8	15.9	18.3	19.9	19.8	16.4	16.5	17.4‡	19.7	16.1	14.5	14.6	13.7	13.4	14.2	12.7	13.0	+0.4	
4.5–5.0	11.0	10.9	11.7	13.3	15.9	16.6	16.5	14.1	15.4	14.5‡	15.6	13.7	11.2	11.6	11.5	10.7	11.6	9.0	9.9	+0.8	
5.5-6.0 (High)	11.6	10.7	12.2	12.8	13.4	15.4	15.4	14.4	15.6	14.5‡	14.6	12.2	10.5	11.0	10.8	11.1	9.9	8.6	10.6	+2.0	
Race/Ethnicity (2-year average).d																					
White	_	13.7	14.4	15.4	17.7	20.0	20.5	19.7	18.7	18.6	19.2‡	18.9 <sup>e</sup>	17.2	15.7	14.9	14.4	14.5	13.8	12.9	-1.0	
African American	_	4.3	4.6	5.4	5.4	4.5	4.8	4.7	4.5	4.2	4.7‡	5.7 <sup>e</sup>	4.7	4.6	4.8	4.9	4.2	4.1	4.3	+0.2	
Hispanic	_	11.8	13.7	16.1	16.9	18.8	19.1	17.5	17.9	17.8	15.8‡	15.7 <sup>e</sup>	15.2	15.1	14.9	13.0	11.8	12.4	13.2	+0.8	

Source. The Monitoring the Future study, the University of Michigan.

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>a</sup>Use of "any illicit drug other than marijuana" includes any use of LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of amphetamines or tranquilizers not under a doctor's orders. The use of narcotics other than heroin and sedatives (barbiturates) has been excluded because 8th and 10th graders appear to overreport their use (perhaps because they include the use of nonprescription drugs in their answers).

<sup>b</sup>In 2001 the question text was changed on half of the questionnaire forms. "Other psychedelics" was changed to "other hallucinogens," and "shrooms" was added to the list of examples. For the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

<sup>&</sup>quot;[]" indicates that because we believe the 2008-2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>c</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>e</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>e</sup>Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE D-6
Any Illicit Drug other than Marijuana: Trends in Annual Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 12 months Cont. 1989 1990 1991 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 <u> 1985</u> 1986 1987 1988 Approximate wtd. N = 9,400 15,400 17,100 17,800 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 16,700 15,200 15,000 Total 26.2 25.4 26.0 27.1 28.2 30.4 34.0 30.1 28.4 28.0 27.4 25.9 24.1 21.1 20.0 17.9 16.2 Gender: Male 25.9 25.7 26.3 27.9 29.4 30.2 32.8 31.0 28.9 28.2 27.9 26.2 24.3 22.2 21.0 19.2 17.0 Female 26.2 24.4 25.3 25.7 26.3 30.0 34.3 28.3 27.3 26.9 26.2 24.8 23.3 19.3 18.5 16.0 14.8 College Plans: 20.1 None or under 4 years 28.7 30.1 30.0 31.8 35.5 38.3 34.0 32.3 32.9 31.6 31.3 28.8 24.5 25.5 23.1 Complete 4 years 20.9 22.7 23.5 30.1 23.3 24.1 22.2 21.3 19.0 17.2 15.2 14.3 20.8 25.5 26.0 24.7 Region: 27.8 32.0 32.1 38.0 32.9 29.5 15.6 Northeast 26.0 26.1 30.7 33.5 31.2 33.8 25.5 20.2 19.2 17.1 17.4 Midwest 26.1 27.7 26.8 27.6 28.6 26.1 25.9 25.1 22.7 20.3 21.5 18.0 29.2 30.9 36.1 31.1 South 22.5 23.4 22.9 24.0 23.2 25.8 26.1 24.7 23.8 24.2 21.0 20.6 21.1 20.0 18.1 16.9 14.4 32.7 33.0 West 28.2 26.6 26.0 28.8 33.3 35.2 38.7 33.0 31.3 31.6 29.5 24.8 22.3 20.4 17.9 Population Density: Large MSA 30.3 27.5 27.1 30.2 32.1 34.6 38.3 33.8 31.5 30.5 30.4 28.3 24.5 20.7 16.9 16.0 14.2 Other MSA 26.3 25.8 26.8 27.3 28.7 30.1 33.3 30.0 29.7 27.8 26.9 26.4 24.5 22.7 20.9 18.5 17.9 Non-MSA 23.4 23.3 24.2 24.2 24.7 27.5 31.4 27.0 24.4 26.2 25.5 23.1 23.0 18.4 21.1 18.4 14.9 Parental Education: 1.0-2.0 (Low) 23.2 23.2 24.7 25.2 28.2 29.2 25.7 27.3 25.8 23.2 21.5 19.7 18.2 15.2 17.4 25.6 2.5-3.0 27.4 25.6 27.0 26.4 27.6 30.7 33.5 30.4 28.1 28.2 27.0 24.2 20.5 20.0 17.9 16.8 3.5-4.0 26.1 26.2 27.8 29.2 30.7 34.7 30.9 28.6 29.3 28.9 26.6 24.7 20.5 21.4 19.1 16.3 17.5 4.5-5.0 27.2 25.9 27.3 28.7 29.9 34.8 29.4 30.0 26.2 27.1 24.9 23.8 21.7 19.3 14.6 5.5-6.0 (High) 25.6 24.8 28.6 30.4 30.8 36.7 31.3 29.0 26.2 23.8 23.8 24.9 22.0 19.6 17.2 14.9 Race/Ethnicity (2-year average):d White 26.6 27.7 29.6 22.5 21.0 18.7 28.8 30.6 34.5 32.1 31.2 30.2 28.2 26.6 24.4 African American 14.2 13.4 13.0 13.8 13.2 14.5 15.2 12.9 12.0 12.1 11.1 10.3 8.6 6.5 5.7 Hispanic 23.8 23.5 23.3 24.7 27.6 25.5 25.2 26.2 27.2 26.2 23.0 20.5 17.7 15.6 15.8

(Table continued on next page.)

TABLE D-6 (cont.)

Any Illicit Drug other than Marijuana: Trends in Annual Prevalence of Use by Subgroups in Grade 12

_							Pe	rcentage	who use	ed in last	12 mont	hs							2008-
																			2009
Approximate wtd. N =	1992 15.800	1993 16,300	<u>1994</u> 15,400	<u>1995</u> 15,400	1996 14,300	<u>1997</u> 15,400	1998 15,200	1999 13,600	2000 12,800	2001 <sup>e</sup> 12,800	2002 <sup>e</sup> 12,900	2003 14,600	2004 14,600	2005 14.700	2006 14,200	2007 14,500	2008 14.000	2009 13,700	<u>change</u>
Total	14.9	17.1	18.0	19.4	19.8	20.7	20.2	20.7	20.4‡	21.6	20.9	19.8	20.5	19.7	19.2	18.5	18.3	17.0	-1.3
Gender:	14.5	17.1	10.0	13.4	13.0	20.7	20.2	20.7	20.44	21.0	20.3	13.0	20.5	13.1	13.2	10.5	10.5	17.0	-1.5
Male	15.5	17.8	18.5	20.7	21.7	21.7	21.7	22.5	21.5‡	23.3	22.0	21.1	21.5	21.4	19.7	20.0	19.9	18.8	-1.1
Female	13.8	15.8	16.9	17.3	16.8	18.8	18.0	18.5	18.6‡	19.0	19.0	17.9	18.7	17.5	18.3	16.7	16.2	14.9	-1.1 -1.2
College Plans:	13.0	13.0	10.9	17.3	10.0	10.0	10.0	10.5	10.04	19.0	19.0	17.9	10.7	17.5	10.3	10.7	10.2	14.9	-1.2
None or under 4 years	19.5	19.8	22.9	23.9	24.2	25.8	26.5	24.4	24.7‡	24.5	27.2	26.5	26.0	25.3	25.4	26.0	25.0	22.1	-2.9
Complete 4 years	13.0	15.9	16.0	23.9 17.5	17.9	25.6 18.4	17.8	19.4	18.5‡	19.9	19.0	26.5 17.4	18.4	25.3 18.0	25.4 17.4	16.7	25.0 16.5	15.7	-2.9 -0.8
' '	13.0	15.9	10.0	17.5	17.9	10.4	17.0	19.4	10.51	19.9	19.0	17.4	10.4	10.0	17.4	10.7	10.5	15.7	-0.0
Region: Northeast	14.7	18.6	17.2	20.2	22.9	24.1	20.7	10 F	24.7+	22.4	24 5	19.3	20.4	10.0	20.3	10.4	18.9	16.8	-2.1
							20.7	19.5	21.7‡	22.4	21.5			18.0		19.4			
Midwest	15.5	16.4	20.1	19.1	19.2	18.9	19.8	20.9	18.9‡	24.0	19.9	18.7	19.1	21.4	17.9	18.4	16.8	19.1	+2.3
South	14.0	16.0	17.3	19.0	18.6	19.8	20.3	21.2	19.0‡	18.6	21.3	19.4	20.8	20.5	19.7	18.8	19.1	16.4	-2.7
West	15.8	18.5	17.3	19.9	19.2	20.9	20.0	20.8	23.2‡	22.6	21.1	22.4	21.9	18.0	19.1	17.3	18.1	15.6	-2.5
Population Density:																			
Large MSA	13.5	15.1	16.7	20.2	18.9	18.6	19.0	17.6	19.4‡	23.6	20.6	15.9	18.0	18.6	20.1	18.4	16.9	15.9	-1.0
Other MSA	14.9	18.2	19.2	19.2	20.2	21.5	20.4	21.6	20.9‡	21.2	21.6	22.0	22.3	20.6	18.7	18.1	18.2	17.4	-0.8
Non-MSA	16.1	16.8	17.2	18.7	19.8	21.2	21.3	22.4	20.7‡	20.3	20.2	20.9	19.7	19.3	18.9	19.5	19.8	17.4	-2.4
Parental Education: <sup>c</sup>																			
1.0-2.0 (Low)	14.9	15.6	17.8	19.4	16.9	19.9	20.0	22.2	20.0‡	17.3	17.8	19.4	18.7	14.8	19.7	16.7	16.4	14.7	-1.7
2.5–3.0	15.0	16.1	18.5	19.4	19.7	19.4	20.1	21.0	19.9‡	20.9	20.3	19.6	20.0	20.5	19.4	19.7	17.7	17.3	-0.4
3.5-4.0	15.0	17.8	17.6	19.2	19.8	20.4	21.0	21.9	20.5‡	24.5	22.0	21.7	23.0	21.5	20.2	18.4	18.7	17.6	-1.1
4.5–5.0	14.3	17.5	18.4	19.4	19.3	21.0	19.1	19.3	20.1‡	20.1	21.2	18.5	19.7	19.7	18.6	18.5	18.2	17.8	-0.5
5.5-6.0 (High)	14.3	17.6	16.5	18.3	20.2	21.7	18.9	19.4	20.3‡	18.7	19.8	17.0	17.6	17.5	18.0	17.4	17.9	15.4	-2.5
Race/Ethnicity (2-year average):d																			
White	17.1	17.9	19.4	20.3	21.2	22.3	23.1	22.9	22.7	23.0‡	24.1 <sup>f</sup>	23.0	22.8	22.7	22.0	21.6	21.5	20.5	-1.0
African American	5.3	4.8	6.1	6.9	6.0	6.4	7.1	6.8	6.4	6.3‡	6.0 <sup>f</sup>	6.3	6.5	7.1	7.2	7.0	7.0	6.8	-0.2
Hispanic	15.1	15.6	16.5	17.9	19.7	18.9	17.5	18.5	21.2	18.2‡	16.1 <sup>f</sup>	16.0	16.2	16.7	17.3	15.8	13.7	13.6	-0.1

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Use of "any illicit drug other than marijuana" includes any use of LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of narcotics other than heroin, amphetamines, sedatives (barbiturates), methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.

<sup>&</sup>lt;sup>b</sup>Beginning in 1982 the question about amphetamine use was revised to get respondents to exclude the inappropriate reporting of nonprescription amphetamines. The prevalence-of-use rate dropped slightly as a result of this methodological change.

<sup>&</sup>lt;sup>c</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>d</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>e</sup>In 2001 the question text was changed on half of the questionnaire forms. "Other psychedelics" was changed to "other hallucinogens" and "shrooms" was added to the list of examples. For the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; *N* is one half of *N* indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE D-7
Marijuana: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

								Percen	tage wh	o used in	last 12	months								2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change
Approximate wtd. N =		18,600	18,300		17,500	17,800	18,600	18,100	16,700			15,100		17,000	16,800	16,500	16,100	15,700	15,000	
Total	6.2	7.2	9.2	13.0	15.8	18.3	17.7	16.9	16.5	15.6	15.4	14.6	12.8	11.8	12.2	11.7	10.3	10.9	11.8	+0.9
Gender:																				
Male	7.3	7.4	10.5	15.1	17.7	19.6	19.2	18.0	18.1	16.7	18.1	17.0	13.9	12.3	13.0	12.7	11.2	12.2	13.5	+1.2
Female	5.1	6.9	8.0	10.9	13.7	16.9	16.1	15.3	14.9	14.3	12.8	12.4	11.5	11.2	11.4	10.4	9.3	9.5	10.0	+0.5
College Plans:																				
None or under 4 years	15.8	17.5	22.4	27.7	30.3	34.6	34.5	35.0	34.9	33.6	34.4	33.1	31.3	29.0	30.5	28.8	28.1	27.7	26.7	-1.0
Complete 4 years	4.6	5.5	7.3	11.0	13.8	15.8	15.5	14.5	14.0	13.4	13.2	12.7	10.7	10.0	10.2	10.0	8.6	9.4	10.5	+1.1 s
Region:																				
Northeast	5.0	5.8	6.2	12.1	13.0	15.3	16.2	11.7	14.4	13.2	14.5	11.3	10.0	10.2	9.8	9.3	6.4	8.3	11.9	+3.6 s
Midwest	5.9	6.0	8.0	12.0	17.5	18.6	17.0	18.1	18.5	16.6	14.1	14.3	12.3	10.9	12.8	11.0	9.8	12.6	11.1	-1.4
South	6.1	7.3	9.0	11.4	14.7	17.1	17.2	17.9	16.7	15.2	16.8	16.3	14.4	12.9	13.5	13.8	11.9	11.5	12.5	+1.1
West	7.8	10.3	14.8	18.1	18.4	22.5	20.6	18.2	15.6	16.9	15.5	15.3	12.9	12.3	11.4	10.6	10.5	10.3	11.2	+0.9
Population Density:																				
Large MSA	5.2	6.7	8.0	13.1	15.6	18.3	16.4	16.0	15.6	14.5	12.4	12.7	11.5	10.8	11.7	10.3	8.7	9.9	10.1	+0.2
Other MSA	7.2	8.3	10.9	15.7	17.2	19.5	18.2	17.4	15.4	14.8	17.4	15.2	12.9	12.4	12.9	12.5	10.8	11.8	12.8	+1.0
Non-MSA	5.3	5.7	7.2	8.0	13.7	15.8	18.0	16.9	19.7	18.5	15.3	16.1	14.1	11.9	11.6	12.0	11.4	10.4	11.8	+1.5
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	13.2	12.7	13.6	18.7	23.0	20.2	24.8	25.0	25.8	26.2	26.0	24.2	22.5	19.7	18.2	19.4	19.4	18.5	17.6	-0.9
2.5–3.0	7.0	7.7	10.7	14.5	17.9	20.6	20.3	20.0	20.8	19.4	19.5	18.7	16.5	15.4	17.4	15.1	13.8	14.6	15.8	+1.2
3.5-4.0	6.2	7.0	9.7	13.2	17.2	20.2	19.5	17.7	16.3	15.9	16.7	15.4	13.7	12.8	12.8	13.1	11.3	11.8	13.0	+1.2
4.5–5.0	3.7	5.4	7.4	10.9	12.7	16.2	15.7	13.7	11.7	10.8	11.1	11.4	8.9	9.0	8.9	8.0	7.2	8.2	8.7	+0.6
5.5-6.0 (High)	4.6	5.2	6.4	11.0	13.0	14.7	12.1	12.7	12.4	11.5	9.4	9.7	8.0	7.7	7.1	7.1	4.9	6.7	7.4	+0.7
Race/Ethnicity (2-year average).b																				
White	_	6.4	7.8	10.0	13.5	16.7	17.8	16.7	15.4	14.9	14.7	14.5	13.0	11.5	11.1	10.9	9.9	9.6	10.3	+0.7
African American	_	4.1	5.7	8.9	11.9	14.0	15.3	16.0	16.3	16.1	14.6	12.7	12.6	12.8	13.6	12.9	11.1	10.6	12.3	+1.7
Hispanic	_	11.9	13.9	18.1	20.4	20.8	21.8	22.7	22.8	20.1	19.9	21.1	19.1	16.7	14.7	14.3	13.7	13.2	13.6	+0.4

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

b To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

TABLE D-8
Marijuana: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

				J	. 1101								Loups	<u>U.</u>		_					2008-
								Percer	tage wh	o used ir	last 12	months								2008-	2009
	1001	1992	1993	1004	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2000	2000	2009	adjusted
Approximate wtd. N =	1991 14 800	1992 14.800	15.300	<u>1994</u> 15.800	17.000	15,600		15,000	13,600	14,300	<u>2001</u> 14.000	14,300	<u>2003</u> 15,800	<u>2004</u> 16.400	16,200	<u>2006</u> 16.200		2008 15.100	2009 15,900	<u>change</u>	<u>change</u>
Total	16.5	15.2	19.2	25.2	28.7	33.6	34.8	31.1	32.1	32.2	32.7	30.3	28.2	27.5	26.6	25.2	24.6	23.9	,	+2.8 ss	[+1.0]
Gender:	10.0	10.2	10.2	20.2	20.7	00.0	01.0	01.1	02.1	02.2	02.1	00.0	20.2	21.0	20.0	20.2	21.0	20.0	20.7	12.0 00	[11.0]
Male	17.7	16.3	21.2	28.2	30.6	36.0	37.3	32.2	34.3	36.1	36.0	32.3	30.0	29.0	28.1	26.3	26.8	25.5	29.6	+4.2 ss	
Female	15.1	13.9	16.9	21.9	26.5	31.4	32.3	30.1	29.7	28.4	29.6	28.4	26.4	25.8	24.9	24.0	22.4	22.2	23.9	+1.7	
College Plans:																					
None or under 4 years	26.9	25.1	31.5	37.3	41.8	48.9	51.5	46.8	48.3	48.8	47.4	46.6	44.6	41.9	41.4	42.0	42.1	43.5	44.5	+1.1	
Complete 4 years	14.2	13.0	16.5	22.4	26.4	31.0	32.0	28.2	29.3	29.7	30.3	27.7	25.5	25.4	24.6	23.0	22.2	21.4	24.7	+3.3 ss	
Region:																					
Northeast	17.1	14.9	22.4	25.6	28.8	34.8	34.6	35.4	34.4	30.3	34.1	31.7	29.5	29.2	28.7	24.9	25.0	26.3	24.1	-2.2	
Midwest	15.8	14.8	17.4	23.4	26.6	33.1	34.4	28.5	31.6	31.1	31.7	29.0	25.0	25.3	26.4	24.8	24.9	22.6	23.6	+1.0	
South	14.5	12.5	16.4	23.8	28.4	33.9	34.4	30.7	30.9	31.4	31.2	28.9	29.6	29.0	27.4	25.5	22.7	24.0	28.7	+4.7 ss	
West	19.4	20.4	24.0	30.0	32.2	32.4	36.5	30.7	32.0	37.1	36.4	33.4	28.8	26.4	23.4	25.3	26.2	23.4	29.4	+6.1 ss	
Population Density:																					
Large MSA	16.5	15.1	19.0	26.3	27.8	31.5	34.1	28.7	31.2	32.4	30.0	29.0	27.1	25.9	25.3	24.0	24.5	24.2	26.6	+2.4	
Other MSA	17.3	15.9	19.8	28.2	31.2	36.2	36.6	33.1	33.6	32.8	35.2	32.4	28.7	27.8	28.0	25.1	24.9	24.7	27.8	+3.1 s	
Non-MSA	14.9	13.9	18.2	18.5	24.8	30.9	32.5	30.2	30.0	31.1	30.9	27.6	29.0	29.0	25.5	27.4	23.9	21.7	24.5	+2.9	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	20.3	18.9	22.4	25.8	32.0	32.9	34.5	31.7	38.1	37.1	33.6	33.5	33.7	33.2	28.6	31.9	28.4	30.2	36.0	+5.9 s	
2.5–3.0	17.8	16.0	19.7	26.3	31.8	35.6	36.8	35.3	35.4	34.9	37.1	35.1	32.2	30.6	31.1	29.6	29.4	28.3	29.9	+1.6	
3.5–4.0	16.2	15.1	19.3	25.6	30.0	36.4	37.8	31.6	31.9	35.0	32.6	30.1	29.4	29.5	27.1	26.6	26.3	26.0	27.3	+1.3	
4.5–5.0	14.9	14.1	17.6	23.8	27.0	31.7	33.1	28.3	28.8	28.9	31.4	27.9	24.3	24.3	24.5	21.8	21.2	19.8	24.2	+4.5 ss	
5.5–6.0 (High)	15.9	13.7	18.5	23.3	23.4	30.3	30.5	27.7	30.6	27.3	29.4	25.8	24.3	22.5	23.6	21.2	18.9	18.9	21.8	+2.9	
Race/Ethnicity (2-year average): <sup>b</sup>																					
White	_	17.0	18.0	22.6	27.7	32.0	35.3	34.2	32.5	32.6	32.9	32.7	30.6	28.2	27.3	26.6	25.7	24.6	25.1	+0.4	
African American	_	7.6	8.7	15.3	20.9	25.7	28.4	26.9	26.3	27.6	28.7	26.5	25.1	27.0	27.2	24.5	22.3	20.6	22.0	+1.3	
Hispanic	_	18.9	21.3	25.1	29.2	34.6	36.8	34.4	34.0	34.8	34.9	31.6	28.8	29.8	28.6	24.9	23.7	26.6	29.9	+3.4	

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "--" indicates data not available. Any apparent inconsistency between the change estimate

and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008-2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample

of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

**TABLE D-9** Marijuana: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who used in last 12 months

							Percer	itage who	o usea in	iast 12 i	nontris						
Approximate wtd. N =	<u>1975</u> 9.400	<u>1976</u> 15.400	<u>1977</u> 17.100	<u>1978</u> 17.800	<u>1979</u> 15.500	<u>1980</u> 15.900	<u>1981</u> 17.500	<u>1982</u> 17.700	1983 16.300	<u>1984</u> 15,900	<u>1985</u> 16.000	<u>1986</u> 15.200	<u>1987</u> 16.300	1988 16.300	<u>1989</u> 16.700	<u>1990</u> 15.200	<u>1991</u> 15,000
Total	40.0	44.5	47.6	50.2	50.8	48.8	46.1	44.3	42.3	40.0	40.6	38.8	36.3	33.1	29.6	27.0	23.9
Gender:																	
Male	45.8	50.6	53.2	55.9	55.8	53.4	49.2	47.2	45.7	43.2	43.1	41.2	38.6	35.8	32.8	29.4	27.2
Female	34.9	37.8	42.0	44.3	45.7	44.1	42.5	40.8	38.4	36.0	37.8	36.0	33.8	30.3	26.3	24.2	20.1
College Plans:																	
None or under 4 years	_	46.8	50.7	51.6	53.1	51.7	49.7	48.2	46.0	44.2	44.0	42.7	40.6	36.2	34.4	31.1	27.6
Complete 4 years	_	40.7	43.4	47.1	47.3	45.9	42.6	40.6	38.3	35.9	37.5	36.1	34.0	31.3	27.3	24.7	22.0
Region:																	
Northeast	47.4	52.7	53.5	59.2	60.6	55.5	53.2	50.9	49.3	49.6	48.2	44.6	41.2	36.7	31.3	32.2	28.2
Midwest	40.1	44.0	48.1	51.6	52.2	48.9	46.8	45.6	42.0	36.4	40.8	40.2	37.4	34.3	33.0	28.7	26.1
South	32.4	37.9	42.5	42.7	41.2	42.0	38.0	36.7	36.1	35.6	31.0	31.7	30.2	28.7	25.0	21.4	18.1
West	44.1	45.8	46.8	49.1	51.9	51.7	49.6	45.5	44.8	43.2	46.2	41.2	39.6	35.6	32.3	28.3	26.8
Population Density:																	
Large MSA	50.4	51.3	53.2	57.2	58.7	56.3	51.4	50.4	47.0	44.2	44.4	42.6	39.3	34.3	27.8	27.7	24.3
Other MSA	40.3	44.2	48.9	50.8	51.9	49.8	46.4	44.8	44.0	41.0	40.7	39.4	36.9	34.7	30.3	28.3	27.5
Non-MSA	32.9	39.8	41.2	43.3	43.3	41.9	41.6	38.5	36.5	35.3	37.3	34.7	32.2	29.0	30.0	23.5	17.5
Parental Education: <sup>a</sup>																	
1.0-2.0 (Low)	35.2	38.9	41.0	42.5	46.0	43.7	41.8	38.9	39.7	35.7	37.1	33.4	30.7	30.7	23.3	21.0	22.4
2.5–3.0	39.2	46.1	48.2	50.3	50.0	49.0	45.3	44.5	42.2	40.1	40.6	38.8	36.3	31.1	29.6	26.9	22.5
3.5-4.0	38.5	44.9	49.5	51.4	52.7	49.8	47.0	46.5	42.2	41.4	41.0	40.1	36.8	33.4	31.4	27.6	24.0
4.5–5.0	40.6	46.8	49.3	53.2	53.7	50.5	47.6	45.9	43.5	39.6	43.2	39.9	37.5	35.1	29.7	28.5	23.8
5.5-6.0 (High)	38.7	47.5	48.6	55.2	51.2	52.0	48.5	45.7	43.7	39.9	37.9	38.9	38.6	35.9	30.7	29.4	28.2
Race/Ethnicity (2-year average): <sup>b</sup>																	
White	_	_	46.8	50.1	51.8	51.2	49.1	47.1	44.6	42.0	41.6	41.4	39.7	37.6	34.5	31.6	28.2
African American	_	_	37.9	39.6	38.4	37.5	36.1	35.5	37.4	36.4	33.4	30.6	25.7	21.2	17.8	13.7	11.4
Hispanic	_	_	45.8	43.4	42.1	44.1	41.2	38.8	38.3	38.8	37.8	36.7	33.3	29.6	25.0	21.6	23.6

TABLE D-9 (cont.)
Marijuana: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

							Pe	rcentage	who use	ed in last	12 mont	hs							2008-
																			2009
Approximate wtd. N =	1992	1993 16.300	<u>1994</u> 15.400	<u>1995</u> 15.400	1996 14.300	<u>1997</u> 15.400	1998 15.200	1999 13.600	2000 12.800	2001 12.800	2002 12,900	2003 14.600	2004 14.600	2005 14.700	2006 14.200	2007 14.500	2008 14.000	2009 13.700	<u>change</u>
Total	21.9	26.0	30.7	34.7	35.8	38.5	-,	37.8	36.5	37.0	36.2	34.9	34.3	33.6	31.5	31.7	32.4	32.8	+0.4
Gender:	21.9	26.0	30.7	34.7	33.0	30.5	37.5	31.0	30.3	37.0	30.2	34.9	34.3	33.0	31.5	31.7	32.4	32.0	+0.4
Male	24.4	29.0	35.1	38.1	39.4	40.9	41.7	41.4	39.2	40.1	39.9	37.8	37.4	37.6	32.7	35.0	35.1	36.7	+1.6
	18.9	29.0		30.6		35.5				33.6	32.4	31.6	30.8	29.6	32.7 29.7	28.3		28.7	-0.8
Female Callaga Plana	10.9	22.4	26.4	30.0	31.6	33.3	33.0	34.1	33.4	33.0	32.4	31.0	30.0	29.0	29.7	20.3	29.5	20.7	-0.6
College Plans:	07.5	29.1	24.4	39.0	44.7	44.0	43.0	43.2	40.3	44.5	40.9	40.4	39.0	41.3	39.9	38.6	44.0	38.0	-3.0
None or under 4 years	27.5		34.4 29.1	39.0	41.7 33.4	44.6 36.4	43.0 35.2	43.2 35.9	40.3 34.6	41.5 35.3	34.7	42.1 32.3	39.0	31.5	39.9 29.1	29.8	41.0 30.2	38.0	-3.0 +0.9
Complete 4 years	19.4	24.4	29.1	32.6	33.4	36.4	35.2	35.9	34.6	35.3	34.7	32.3	32.6	31.5	29.1	29.8	30.2	31.1	+0.9
Region:	00.0	04.0	00.0	07.7	40.0	40.5	40.0	00.0	40.0	40.0	44.0	40.5	40.4	00.0	00.4	00.0	00.0	07.0	. 4.0
Northeast	23.9	31.2	36.0	37.7	40.0	43.5	43.0	39.0	42.3	43.8	41.9	40.5	40.1	39.6	38.1	39.2	36.6	37.8	+1.3
Midwest	22.7	26.0	30.5	36.9	36.9	36.5	33.8	38.0	34.5	36.9	37.5	36.5	34.0	33.7	32.0	32.6	31.1	32.5	+1.4
South	18.1	23.2	28.7	31.8	32.8	35.0	36.5	36.0	30.7	32.4	32.6	29.4	30.1	31.2	29.4	29.0	31.0	30.6	-0.4
West	26.1	26.4	30.0	33.8	35.6	42.6	39.0	39.8	43.1	38.4	35.2	36.2	35.6	32.0	28.8	29.1	32.8	32.1	-0.8
Population Density:																			
Large MSA	22.6	29.1	32.0	37.5	37.2	38.3	38.4	38.7	37.1	39.2	37.7	32.3	32.3	34.5	33.4	33.9	34.8	37.2	+2.3
Other MSA	22.1	26.2	32.7	34.9	38.6	40.5	38.8	39.1	38.1	36.7	38.0	38.1	37.9	35.0	31.9	31.6	31.2	32.0	+0.8
Non-MSA	21.0	23.1	25.8	31.0	29.6	34.9	33.5	34.7	32.9	35.1	30.8	32.2	29.7	29.7	28.1	28.8	32.2	28.7	-3.5
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	21.2	23.0	26.3	30.9	31.3	34.8	34.2	35.5	36.5	33.9	30.8	31.4	28.7	27.3	32.0	31.1	30.5	28.9	-1.6
2.5–3.0	21.1	24.1	29.7	33.8	35.1	37.4	36.1	38.6	35.1	37.0	34.9	34.2	33.1	34.8	33.2	33.8	32.8	33.6	+0.8
3.5-4.0	22.7	26.6	31.5	34.2	36.1	38.1	39.0	38.6	36.8	38.4	38.5	36.2	36.9	35.5	31.6	30.6	32.0	34.5	+2.6
4.5–5.0	20.8	27.2	32.0	35.0	36.6	40.1	37.4	35.9	35.8	37.4	37.0	35.4	34.4	33.9	28.4	30.4	32.7	31.0	-1.7
5.5-6.0 (High)	22.6	28.0	32.3	37.5	36.7	39.7	38.3	39.2	38.0	35.2	36.1	32.6	34.0	32.3	32.9	32.8	32.8	33.6	+0.7
Race/Ethnicity (2-year average): <sup>b</sup>																			
White	24.9	25.9	30.2	34.2	36.4	38.7	39.9	39.1	38.2	38.5	38.7	37.9	37.3	36.6	34.8	33.4	33.9	34.3	+0.4
African American	11.5	14.2	20.7	26.8	30.2	30.4	30.0	30.4	30.0	29.0	27.3	26.3	25.5	26.3	27.7	27.0	26.8	28.6	+1.8
Hispanic	24.7	23.5	25.7	29.7	32.3	36.4	37.2	37.8	40.5	37.6	34.6	31.1	29.5	29.6	28.7	27.2	27.3	28.8	+1.6

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-10
Inhalants: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

								Percer	tage who	o used ir	n last 12 i	months								2008-
Approximate wtd. N =	<u>1991</u> 17.500	<u>1992</u> 18,600	1993 18,300	<u>1994</u> 17.300	1995 17.500	<u>1996</u> 17,800	<u>1997</u> 18,600	<u>1998</u> 18,100	1999 16.700	2000 16,700	2001 16,200	2002 15,100	2003 16,500	2004 17.000	2005 16.800	2006 16.500	<u>2007</u> 16.100	2008 15,700	2009 15,000	2009 change
Total	9.0	9.5	11.0	11.7	12.8	12.2	11.8	11.1	10.3	9.4	9.1	7.7	8.7	9.6	9.5	9.1	8.3	8.9	8.1	-0.7
Gender:																				
Male	9.0	9.2	10.4	11.2	11.5	10.3	10.5	10.6	9.5	8.9	8.4	7.6	7.7	8.8	7.8	7.7	7.3	7.0	7.0	0.0
Female	9.0	9.8	11.9	12.2	14.0	14.1	12.9	11.6	11.1	9.9	9.9	7.8	9.6	10.5	11.1	10.5	9.3	11.0	9.3	-1.7 s
College Plans:																				
None or under 4 years	15.0	15.6	17.7	18.3	19.6	18.2	18.1	20.9	17.9	17.2	15.1	14.5	16.5	17.9	15.3	17.3	18.1	19.1	16.7	-2.5
Complete 4 years	8.1	8.8	10.2	10.9	11.9	11.4	11.2	10.2	9.5	8.6	8.6	7.1	8.0	8.7	9.0	8.3	7.5	8.0	7.5	-0.5
Region:																				
Northeast	8.0	8.6	11.3	12.0	13.1	11.7	12.1	9.1	9.8	8.7	9.4	6.9	9.0	8.9	9.1	7.2	5.9	7.9	7.4	-0.5
Midwest	9.8	10.5	9.9	10.3	13.8	13.3	11.3	11.3	10.6	10.6	8.8	8.0	9.6	9.6	8.5	9.0	8.1	9.1	7.6	-1.4
South	8.9	9.1	10.0	11.3	12.1	11.3	11.6	11.3	9.9	8.4	9.5	8.4	7.9	9.9	9.8	9.1	9.1	9.6	8.9	-0.7
West	8.8	9.8	14.2	14.0	12.4	12.9	12.6	12.4	10.9	10.5	8.6	6.4	8.9	9.6	10.4	10.5	8.8	8.4	7.9	-0.5
Population Density:																				
Large MSA	9.9	9.1	10.8	11.6	11.7	11.4	10.4	8.6	8.8	8.3	8.3	7.1	8.0	8.8	8.8	8.8	8.6	8.7	7.1	-1.6
Other MSA	8.5	10.3	12.3	13.1	13.7	13.4	11.5	11.1	10.1	9.4	8.9	8.0	8.5	10.3	10.7	9.0	8.3	8.9	8.8	0.0
Non-MSA	9.1	8.6	8.5	9.3	12.3	11.0	13.9	14.0	12.3	10.9	10.4	7.8	10.1	9.2	8.3	9.7	7.9	9.2	8.1	-1.1
Parental Education: <sup>a</sup>																				
1.0-2.0 (Low)	12.0	11.4	11.5	12.4	13.0	11.3	12.1	14.4	12.9	13.1	10.7	10.3	10.6	12.6	11.6	10.5	11.9	13.3	11.8	-1.4
2.5–3.0	9.5	9.9	10.9	12.1	13.9	12.6	12.6	12.0	11.8	11.3	9.7	8.3	10.1	10.2	11.6	10.7	9.3	10.8	9.5	-1.3
3.5-4.0	8.9	10.0	11.5	12.3	14.7	13.4	13.5	12.8	10.8	9.9	9.4	8.9	10.3	11.0	10.0	10.3	9.2	9.5	9.3	-0.1
4.5–5.0	8.0	8.4	10.6	11.0	12.3	13.2	11.4	9.7	9.2	7.1	9.0	7.3	7.4	9.3	8.4	7.8	7.6	7.3	6.9	-0.4
5.5-6.0 (High)	8.4	10.3	12.6	12.2	11.6	11.7	10.8	10.6	9.1	9.2	7.7	6.2	6.5	6.9	8.0	7.9	6.3	7.8	6.1	-1.7
Race/Ethnicity (2-year average).b																				
White	_	10.1	11.3	12.4	13.8	14.6	14.1	13.3	12.1	10.9	10.1	9.1	8.8	9.6	9.8	9.7	8.9	8.5	8.6	+0.1
African American	_	4.4	4.6	5.3	5.0	4.2	3.8	4.2	4.2	4.3	4.8	5.0	4.9	5.4	5.8	5.4	5.5	5.6	5.9	+0.2
Hispanic	_	10.4	11.5	12.5	13.3	12.7	11.4	11.5	12.7	12.2	11.0	9.9	9.6	10.6	11.0	9.5	9.2	10.2	10.3	+0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-11
Inhalants: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

2008-

								Percer	ntage wh	o used ir	last 12	months								2008-	2009 adjusted
	<u>1991</u>	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	change	change
Approximate wtd. N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900		
Total	7.1	7.5	8.4	9.1	9.6	9.5	8.7	8.0	7.2	7.3	6.6	5.8	5.4	5.9	6.0	6.5	6.6	5.9	6.1	+0.2	[+0.9]
Gender:																					
Male	7.4	7.6	9.1	9.7	10.3	10.1	9.1	8.4	7.6	7.7	6.7	5.4	5.2	5.8	5.0	5.9	6.3	5.4	5.4	0.0	
Female	6.6	7.5	7.7	8.6	8.9	8.9	8.2	7.6	6.9	7.0	6.5	6.0	5.6	6.1	6.9	7.1	7.0	6.3	6.7	+0.4	
College Plans:																					
None or under 4 years	12.0	12.4	14.0	15.1	14.6	14.3	14.4	13.5	11.6	11.2	11.0	9.8	9.6	11.2	9.9	10.6	12.0	11.1	11.7	+0.6	
Complete 4 years	5.9	6.4	7.3	7.8	8.7	8.7	7.7	7.0	6.5	6.7	5.9	5.2	4.8	5.2	5.5	5.9	5.9	5.3	5.4	+0.2	
Region:																					
Northeast	7.2	7.8	10.6	9.8	10.4	11.5	8.9	9.3	8.3	7.2	6.5	6.0	5.9	6.1	6.2	6.5	6.4	4.9	6.1	+1.2	
Midwest	7.5	8.0	8.3	8.4	10.4	9.8	8.3	6.7	8.4	7.5	6.5	5.8	6.1	5.7	6.1	6.7	6.8	5.7	5.7	0.0	
South	7.2	6.6	7.3	9.0	9.4	9.1	8.8	8.3	6.5	7.4	6.8	5.4	4.6	5.6	5.6	5.7	6.1	5.6	5.2	-0.3	
West	6.2	8.0	8.4	9.9	8.1	8.0	8.5	7.8	6.1	7.2	6.7	6.2	5.5	6.6	6.1	7.2	7.3	7.2	7.6	+0.4	
Population Density:																					
Large MSA	7.7	7.8	8.5	7.9	8.7	8.1	8.1	6.7	6.9	7.1	6.0	5.1	4.8	5.0	6.2	6.0	6.0	5.3	6.1	+0.7	
Other MSA	7.1	7.4	8.4	9.8	9.7	9.6	8.4	7.7	7.0	6.8	6.9	5.4	5.2	6.3	5.6	6.4	6.8	6.4	6.2	-0.3	
Non-MSA	6.5	7.5	8.6	9.1	10.5	11.0	9.8	10.1	8.3	8.5	7.0	7.4	7.1	6.5	6.5	7.4	7.1	5.5	5.9	+0.3	
Parental Education: <sup>a</sup>																					
1.0-2.0 (Low)	7.0	8.2	10.2	8.7	9.4	10.8	9.3	9.7	8.7	8.5	7.6	5.6	5.8	6.2	6.3	6.9	9.3	8.7	7.1	-1.6	
2.5–3.0	8.0	7.9	9.1	9.5	11.0	9.9	8.5	9.1	8.0	8.1	7.5	6.0	6.3	6.9	6.9	6.2	7.5	6.7	7.4	+0.7	
3.5-4.0	7.5	8.3	8.3	9.6	10.2	10.1	9.4	8.1	6.9	7.4	5.9	6.3	5.8	5.7	6.2	7.1	7.0	6.3	6.5	+0.1	
4.5–5.0	6.4	6.5	7.2	8.7	9.4	8.4	8.3	7.1	6.7	6.5	6.8	5.6	5.1	5.7	5.8	5.5	5.8	5.0	4.9	0.0	
5.5-6.0 (High)	6.6	6.7	8.2	8.2	7.0	10.1	8.2	6.7	7.2	7.2	5.5	5.2	4.4	5.1	5.3	7.5	5.4	4.5	4.8	+0.2	
Race/Ethnicity (2-year average).b																					
White	_	8.3	8.8	9.6	10.6	11.0	10.4	9.6	8.9	8.4	7.9	7.1	6.6	6.5	6.6	6.8	7.1	6.5	5.9	-0.6	
African American	_	3.6	3.7	3.3	2.8	2.3	2.3	2.4	2.0	2.0	2.1	2.4	2.0	2.1	2.8	2.9	2.9	2.9	3.2	+0.3	
Hispanic	_	6.4	8.3	9.0	8.5	8.2	7.9	7.6	7.3	6.3	5.9	4.8	4.8	5.7	6.2	6.4	6.4	7.2	7.9	+0.7	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-12
Inhalants: Trends in Annual Prevalence of Use by Subgroups in Grade 12

_							Percer	tage wh	o used in	last 12 r	months							
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	
Approximate wtd. N =	9.400	15.400	17.100	17.800	15.500	15.900	17.500	17.700	16.300	15.900	16.000	15.200	16.300	16.300	16.700	15.200	15.000	
Total	_	3.0	3.7	4.1	5.4	4.6	4.1	4.5	4.3	5.1	5.7	6.1	6.9	6.5	5.9	6.9	6.6	
Adjusted <sup>b</sup>	_	_	_	_	8.9	7.9	6.1	6.6	6.2	7.2	7.5	8.9	8.1	7.1	6.9	7.5	6.9	
Gender:																		
Male	_	3.8	5.1	5.6	6.7	5.9	5.1	5.8	5.8	6.5	6.9	7.8	8.3	8.2	7.8	8.8	8.2	
Female	_	2.0	2.4	2.8	4.2	3.5	3.2	3.1	2.8	3.8	4.5	4.7	5.6	4.9	4.0	4.9	5.0	
College Plans:																		
None or under 4 years	_	3.6	4.7	5.0	6.3	5.0	4.3	4.9	4.7	5.8	5.8	7.7	8.0	8.1	7.1	7.8	7.7	
Complete 4 years	_	2.2	2.9	3.4	4.5	4.3	4.0	4.1	3.9	4.7	5.7	5.2	6.4	6.0	5.4	6.4	6.3	
Region:																		
Northeast	_	3.2	4.1	4.4	6.4	6.0	5.2	6.2	5.0	6.1	8.0	5.6	6.7	6.0	6.3	7.4	6.7	
Midwest	_	2.6	4.2	4.8	5.9	4.6	3.8	3.6	4.5	5.0	5.8	6.7	8.6	7.2	6.7	8.0	8.6	
South	_	3.8	3.3	3.6	4.3	3.4	3.2	3.8	3.8	4.6	4.2	5.7	6.1	6.8	5.5	6.4	5.0	
West	_	1.7	3.0	3.6	4.9	4.9	4.7	4.4	4.3	5.3	5.4	6.6	6.2	5.6	4.8	5.7	6.8	
Population Density:																		
Large MSA	_	2.9	3.4	3.4	5.1	5.7	4.7	5.5	4.8	5.3	5.9	5.2	6.0	6.5	5.1	6.7	5.2	
Other MSA	_	2.6	3.6	3.7	4.8	4.2	4.0	3.9	4.4	5.0	5.9	6.3	6.9	6.0	5.8	6.8	7.8	
Non-MSA	_	3.4	4.2	5.3	6.2	4.4	3.7	4.4	3.9	5.2	5.4	6.6	7.8	7.5	6.8	7.4	5.8	
Parental Education: <sup>c</sup>																		
1.0-2.0 (Low)	_	3.7	3.9	4.5	5.2	3.6	3.6	3.2	3.1	4.5	4.2	4.9	4.6	5.3	5.9	5.0	6.1	
2.5–3.0	_	3.1	4.1	4.0	5.0	4.8	4.0	4.8	4.0	5.2	5.6	6.1	6.8	6.3	5.5	6.9	6.6	
3.5-4.0	_	3.1	3.4	4.1	5.1	4.7	4.0	4.6	4.9	5.6	5.5	6.2	7.1	5.8	6.1	7.2	6.1	
4.5–5.0	_	2.7	3.0	3.9	5.8	4.3	4.4	4.4	5.2	5.0	7.0	6.9	7.2	7.0	5.7	7.4	7.4	
5.5-6.0 (High)	_	3.7	4.2	5.0	7.2	5.8	4.9	6.0	4.7	5.6	6.8	6.4	8.7	9.1	6.8	7.6	7.1	
Race/Ethnicity (2-year average): <sup>d</sup>																		
White	_	_	3.6	4.3	5.1	5.3	4.7	4.7	4.8	5.1	5.9	6.5	7.3	7.6	7.0	7.2	7.6	
African American	_	_	1.5	1.3	2.1	2.2	2.1	1.9	1.8	2.2	2.0	2.1	3.0	3.1	2.2	2.1	2.7	
Hispanic	_	_	2.7	3.0	2.9	2.9	3.5	4.1	3.4	4.6	6.5	5.5	4.6	4.1	4.7	4.8	5.4	

TABLE D-12 (cont.)
Inhalants: Trends in Annual Prevalence of Use by Subgroups in Grade 12

							Pe	ercentage	who use	ed in last	12 mont	hs							2008-
																			2009
	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	2002	2003	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	2008	2009	<u>change</u>
Approximate wtd. N =	-,	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	
Total	6.2	7.0	7.7	8.0	7.6	6.7	6.2	5.6	5.9	4.5	4.5	3.9	4.2	5.0	4.5	3.7	3.8	3.4	-0.3
Adjusted <sup>b</sup>	6.4	7.4	8.2	8.4	8.5	7.3	7.1	6.0	6.2	4.9	4.9	4.5	4.6	5.4	4.7	4.1	4.0	4.1	+0.1
Gender:																			
Male	8.0	9.2	9.6	9.9	9.1	8.3	7.5	6.5	6.8	5.5	5.8	5.2	4.8	6.2	5.1	3.9	4.4	3.6	-0.8
Female	4.5	4.8	6.0	6.2	6.1	5.2	5.1	4.9	5.1	3.5	3.3	2.9	3.4	4.1	3.9	3.4	3.2	3.2	0.0
College Plans:																			
None or under 4 years	7.7	8.0	9.0	9.7	8.2	8.0	7.9	6.5	6.7	6.6	6.3	5.1	5.6	7.3	6.8	4.4	6.1	4.7	-1.4
Complete 4 years	5.7	6.7	7.4	7.4	7.3	6.5	5.7	5.4	5.5	3.9	4.2	3.5	3.8	4.6	3.9	3.5	3.3	3.1	-0.2
Region:																			
Northeast	6.0	8.9	10.3	10.3	10.8	9.4	8.0	6.2	6.3	5.7	5.4	5.1	4.3	6.0	5.9	3.9	3.5	3.7	+0.2
Midwest	7.4	6.3	9.5	8.6	7.6	6.9	7.6	6.3	5.5	5.0	5.6	3.7	3.8	5.6	4.8	3.9	3.0	3.7	+0.7
South	4.8	6.5	6.2	7.0	6.5	5.6	5.1	5.2	5.5	3.4	4.1	3.5	4.1	4.6	3.6	3.4	3.7	3.1	-0.6
West	7.5	7.0	5.7	6.7	6.0	5.4	4.7	4.9	6.7	4.8	3.2	3.6	4.6	4.3	4.7	3.7	5.0	3.5	-1.6
Population Density:																			
Large MSA	6.0	7.4	7.6	8.5	7.8	5.9	5.5	4.8	6.3	4.4	4.4	3.5	4.0	5.0	4.1	2.8	3.1	2.4	-0.7
Other MSA	6.6	7.3	7.7	7.8	7.9	6.5	6.1	5.3	4.9	4.3	4.4	4.4	4.1	5.1	4.5	3.8	3.7	3.8	+0.1
Non-MSA	5.6	6.0	7.6	7.8	7.0	8.1	7.4	6.9	7.2	5.2	4.8	3.7	4.3	4.9	5.2	4.7	4.7	3.9	-0.9
Parental Education: <sup>c</sup>																			
1.0–2.0 (Low)	4.2	4.3	5.3	7.5	5.8	5.4	6.3	4.8	4.0	3.2	5.7	3.4	4.6	5.2	5.0	3.6	3.6	3.6	0.0
2.5–3.0	6.7	6.0	7.8	8.0	7.9	6.3	6.0	5.4	5.2	5.7	4.3	3.8	4.9	5.7	4.8	3.8	3.6	4.1	+0.5
3.5–4.0	6.3	7.7	7.1	6.7	7.8	7.1	7.3	6.1	6.1	4.2	4.5	3.9	5.0	4.8	4.7	3.9	4.4	3.1	-1.3
4.5–5.0	6.3	7.6	8.9	8.9	7.4	7.9	5.3	5.6	5.9	3.8	4.7	4.4	3.4	5.8	4.3	3.7	3.6	3.9	+0.4
5.5–6.0 (High)	6.7	9.4	9.7	9.7	8.5	6.0	6.2	6.1	7.5	5.8	4.6	4.0	3.2	3.0	3.9	3.4	3.4	1.9	-1.5
Race/Ethnicity (2-year average):																			
White	7.2	7.6	8.6	9.1	9.0	8.6	7.9	7.0	6.4	5.9	5.2	4.9	4.7	5.1	5.3	4.7	4.3	4.1	-0.2
African American	2.5	2.2	2.4	2.6	2.2	1.9	1.7	1.4	1.9	2.2	1.9	1.5	1.3	1.9	1.9	1.6	1.5	1.6	0.0
Hispanic	6.0	5.7	5.5	5.8	5.9	4.7	4.5	5.5	6.3	4.5	3.4	2.7	2.9	5.3	5.7	4.3	3.3	3.0	-0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on four of five forms in 1976–1988; N is four fifths of N indicated in Table D-S3. Data based on three of six forms beginning in 1999; N is three sixths of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>All data are unadjusted for underreporting of amyl and butyl nitrites, except where otherwise noted.

<sup>&</sup>lt;sup>b</sup>Adjusted for underreporting of amyl and butyl nitrites. See text for details.

<sup>&</sup>lt;sup>c</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>d</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-13
Hallucinogens: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

								Percer	ntage wh	o used in	last 12	months								2008-
											0004 <sup>a</sup>	oooo <sup>a</sup>								2009
Approximate wtd. N =	1991 17.500	1992 18,600	1993 18,300	1994 17,300	1995 17,500	<u>1996</u> 17,800	1997 18,600	1998 18,100	1999 16,700	2000 16,700	2001 <sup>a</sup> 16,200	2002 <sup>a</sup> 15,100	2003 16,500	2004 17,000	2005 16,800	2006 16,500	2007 16,100	2008 15,700	2009 15,000	change
Total	1.9	2.5	2.6	2.7	3.6	4.1	3.7	3.4	2.9	2.8‡	3.4	2.6	2.6	2.2	2.4	2.1	1.9	2.1	1.9	-0.2
Gender:	1.9	2.5	2.0	2.1	3.0	4.1	3.1	3.4	2.9	2.04	3.4	2.0	2.0	2.2	2.4	2.1	1.9	2.1	1.9	-0.2
Male	2.2	2.6	2.8	3.0	4.0	4.3	4.0	3.7	3.3	3.2‡	3.8	2.9	2.9	2.3	2.5	2.1	2.1	2.2	2.0	-0.2
Female	1.6	2.3	2.3	2.4	3.3	3.7	3.2	2.9	2.4	2.5‡	2.9	2.2	2.3	2.1	2.2	2.0	1.8	2.0	1.8	-0.2
College Plans:	1.0	2.0	2.0	2	0.0	0.7	0.2	2.0	2	2.04	2.0	2.2	2.0		2.2	2.0	1.0	2.0	1.0	0.2
None or under 4 years	5.1	7.2	7.1	6.7	9.6	9.6	10.1	9.2	9.4	7.7‡	9.5	7.8	8.7	7.8	7.6	6.7	6.9	8.4	7.4	-1.0
Complete 4 years	1.4	1.8	1.9	2.2	2.9	3.2	2.9	2.7	2.1	2.3‡	2.6	2.0	1.9	1.7	1.8	1.6	1.5	1.6	1.4	-0.2
Region:																				
Northeast	1.5	1.6	1.9	2.9	3.4	3.7	2.8	2.4	2.6	2.3‡	2.9	1.5	2.5	2.0	1.9	1.4	1.0	1.4	1.4	0.0
Midwest	1.6	2.4	1.7	2.2	3.8	3.9	3.8	3.5	3.4	3.5‡	2.7	2.7	2.6	1.9	2.2	1.9	2.0	2.0	1.9	-0.1
South	1.9	2.7	2.8	2.4	3.3	3.9	3.4	3.7	2.9	2.7‡	4.0	2.9	2.6	2.4	2.9	2.3	1.7	2.3	1.8	-0.5
West	2.8	3.2	4.2	3.9	4.2	5.1	4.8	3.5	2.4	2.7‡	3.3	2.9	2.7	2.6	2.3	2.4	2.8	2.5	2.3	-0.1
Population Density:																				
Large MSA	2.1	2.2	2.2	3.1	4.0	3.8	3.3	2.9	2.5	2.3‡	2.7	2.0	2.2	1.9	2.2	1.4	1.5	2.1	1.5	-0.6
Other MSA	2.0	3.0	3.1	3.1	3.8	4.8	4.0	3.4	3.1	3.0‡	3.6	2.4	2.5	2.6	2.4	2.4	2.0	2.3	2.1	-0.2
Non-MSA	1.5	2.0	1.8	1.6	3.0	3.2	3.5	3.8	2.8	3.2‡	3.6	3.5	3.3	2.1	2.7	2.5	2.4	1.7	2.0	+0.3
Parental Education.b																				
1.0-2.0 (Low)	3.9	3.7	3.5	3.1	5.1	4.8	5.0	5.0	4.8	5.4‡	5.9	4.4	4.3	4.8	3.4	2.9	3.0	4.2	3.9	-0.3
2.5-3.0	2.2	2.3	2.7	2.8	3.8	4.7	3.9	3.4	3.5	3.2‡	3.9	3.2	3.2	2.5	3.3	2.6	2.0	2.4	1.8	-0.6
3.5-4.0	1.6	2.5	2.8	2.8	4.1	4.1	3.8	3.7	2.8	2.8‡	3.7	2.6	2.6	2.1	3.0	2.3	2.3	2.1	2.0	-0.2
4.5-5.0	1.6	2.0	2.3	2.8	3.2	4.0	3.4	3.0	2.1	2.1‡	2.4	2.1	2.0	2.0	1.8	1.9	1.6	1.7	1.6	-0.2
5.5-6.0 (High)	1.4	2.4	2.0	2.5	3.2	3.5	3.5	3.1	2.5	3.1‡	2.3	1.7	1.9	1.7	1.1	1.5	1.1	1.9	1.5	-0.3
Race/Ethnicity (2-year average). <sup>c</sup>																				
White	_	2.2	2.6	2.8	3.6	4.5	4.5	3.9	3.2	3.1	2.9‡	2.7 <sup>d</sup>	2.8	2.5	2.4	2.5	2.2	2.1	2.1	0.0
African American	_	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.6	0.7	0.7‡	0.7 <sup>d</sup>	0.9	1.2	1.3	1.1	0.7	0.8	0.8	0.0
Hispanic		3.8	4.1	4.0	4.0	4.1	4.2	4.6	4.5	4.0	3.4‡	3.6 <sup>d</sup>	2.9	2.9	2.7	1.8	2.1	2.5	2.4	-0.1

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .01. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>In 2001 the question text was changed on half of the questionnaire forms. "Other psychedelics" was changed to "other hallucinogens," and "shrooms" was added to the list of examples. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>d</sup>Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE D-14
Hallucinogens: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

2008-

									Percen	tage who	o used in	last 12	months								2008–	2009 adjusted
Approx	rimate wtd. N =	<u>1991</u> 14,800	<u>1992</u> 14,800	<u>1993</u> 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	<u>1999</u> 13,600	2000 14,300	2001 <sup>a</sup> 14,000	2002 <sup>a</sup> 14,300	<u>2003</u> 15,800	<u>2004</u> 16,400	<u>2005</u> 16,200	<u>2006</u> 16,200	<u>2007</u> 16,100	<u>2008</u> 15,100	2009 15,900	change	<u>change</u>
Total		4.0	4.3	4.7	5.8	7.2	7.8	7.6	6.9	6.9	6.1‡	6.2	4.7	4.1	4.1	4.0	4.1	4.4	3.9	4.1	+0.2	[-0.1]
Gender:																						
Male		4.4	4.7	5.7	6.6	8.1	8.5	8.7	7.4	8.1	7.2‡	7.9	5.5	4.9	4.6	4.8	4.5	5.4	4.7	5.0	+0.4	
Female		3.6	3.8	3.6	4.8	6.1	7.0	6.4	6.3	5.7	4.9‡	4.6	3.9	3.4	3.5	3.1	3.5	3.4	3.1	3.1	0.0	
College Plans:																						
None or under 4 ye	ears	7.5	7.5	9.1	10.4	12.5	14.5	13.6	14.2	14.3	12.3‡	5.0	10.3	8.9	9.3	9.4	10.0	10.0	10.4	10.5	+0.1	
Complete 4 years		3.3	3.6	3.7	4.8	6.2	6.6	6.5	5.6	5.7	5.1‡	4.8	3.9	3.3	3.3	3.2	3.3	3.6	3.1	3.4	+0.3	
Region:																						
Northeast		4.0	2.7	4.7	5.8	5.6	7.7	6.2	8.1	8.6	5.8‡	6.0	4.2	4.0	4.7	5.0	4.0	4.4	3.5	3.4	-0.1	
Midwest		3.4	4.3	4.6	5.7	7.8	9.0	7.0	5.6	6.7	6.1‡	6.0	5.1	3.5	3.7	3.9	4.1	4.7	3.8	4.4	+0.6	
South		3.6	3.9	3.6	5.1	7.3	7.5	8.3	7.6	6.5	5.7‡	5.3	4.0	3.9	3.6	3.5	3.5	3.6	4.1	3.8	-0.2	
West		5.2	6.5	6.7	7.1	7.6	6.6	8.5	6.1	6.1	6.9‡	8.7	5.9	5.0	4.7	3.7	5.1	5.1	4.2	4.9	+0.7	
Population Density:																						
Large MSA		4.1	4.6	4.9	6.0	7.1	8.6	7.8	6.3	5.8	7.5‡	5.0	4.7	3.2	2.9	3.4	4.1	3.9	3.9	4.0	+0.1	
Other MSA		4.8	4.4	4.9	6.4	8.0	8.2	7.9	7.6	7.8	5.8‡	6.6	4.9	4.4	5.0	4.3	4.1	4.7	4.2	4.3	+0.2	
Non-MSA		2.5	3.7	4.1	4.4	5.5	6.0	6.7	6.3	6.5	5.1‡	6.8	4.4	4.6	3.9	4.2	3.8	4.2	3.4	3.8	+0.4	
Parental Education.	0																					
1.0-2.0 (Low)		3.7	4.9	6.0	6.1	7.7	8.0	6.5	8.3	7.0	5.2‡	6.4	5.3	6.5	3.2	3.7	5.3	5.4	5.0	5.8	+0.8	
2.5-3.0		4.3	4.2	4.5	5.5	7.6	8.5	7.3	8.2	8.1	5.8‡	6.7	5.2	4.7	4.8	4.5	4.5	4.6	4.1	3.9	-0.2	
3.5-4.0		3.7	4.6	4.8	5.9	7.6	8.6	8.2	6.6	6.6	6.7‡	6.1	4.8	4.0	3.9	4.0	3.8	4.5	4.2	4.3	+0.1	
4.5-5.0		4.1	3.8	4.5	5.5	6.6	6.9	8.2	6.1	6.6	6.3‡	6.0	4.0	3.5	3.7	4.0	3.9	4.2	3.3	3.6	+0.3	
5.5-6.0 (High)		4.6	4.2	4.6	6.2	6.5	7.2	6.8	6.0	6.5	6.2‡	5.8	5.2	3.4	4.1	3.7	4.0	3.9	3.3	4.5	+1.2	
Race/Ethnicity (2-ye	ear average): <sup>c</sup>																					
White		_	4.9	5.1	5.6	7.1	8.6	8.9	8.4	8.2	7.6	6.6‡	5.6 <sup>d</sup>	5.3	4.9	4.7	4.7	4.9	4.8	4.5	-0.3	
African American		_	0.2	0.6	1.1	1.2	0.9	1.0	1.1	1.0	1.0	1.3‡	1.4 <sup>d</sup>	1.0	0.8	1.2	1.4	1.0	1.1	1.4	+0.3	
Hispanic		_	3.6	4.5	5.7	6.3	6.6	7.3	7.3	6.4	5.2	4.4‡	4.5 <sup>d</sup>	3.9	3.8	4.0	3.5	2.8	3.6	4.3	+0.6	

Source. The Monitoring the Future study, the University of Michigan.

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>In 2001 the question text was changed on half of the questionnaire forms. "Other psychedelics" was changed to "other hallucinogens," and "shrooms" was added to the list of examples. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>d</sup>Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE D-15
Hallucinogens: Trends in Annual Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 12 months

-							Percer	itage wri	o usea in	ilast iz i	HOHIUS							
Approximate wtd. N =	<u>1975</u> 9.400	<u>1976</u> 15,400	<u>1977</u> 17,100	<u>1978</u> 17,800	<u>1979</u> 15,500	<u>1980</u> 15,900	<u>1981</u> 17,500	<u>1982</u> 17,700	1983 16,300	<u>1984</u> 15,900	1985 16,000	<u>1986</u> 15,200	<u>1987</u> 16,300	1988 16,300	1989 16,700	<u>1990</u> 15,200	<u>1991</u> 15,000	
Total	11.2	9.4	8.8	9.6	9.9	9.3	9.0	8.1	7.3	6.5	6.3	6.0	6.4	5.5	5.6	5.9	5.8	
Adjusted <sup>b</sup>	_	_	_	_	11.8	10.4	10.1	9.0	8.3	7.3	7.6	7.6	6.7	5.8	6.2	6.0	6.1	
Gender:																		
Male	13.7	11.6	10.8	11.6	11.8	11.7	10.9	9.6	8.6	7.9	8.1	7.2	7.5	7.2	7.4	7.7	7.5	
Female	9.0	6.9	6.5	7.3	7.6	6.7	6.8	6.1	5.5	4.7	4.4	4.7	5.2	3.7	3.6	3.8	3.9	
College Plans:																		
None or under 4 years	_	11.2	10.6	11.0	11.3	11.2	10.7	9.5	8.9	8.3	7.7	7.4	7.9	6.4	7.1	6.6	7.0	
Complete 4 years	_	6.9	6.4	7.3	7.5	7.1	7.4	6.2	5.4	4.7	5.0	4.7	5.4	4.7	4.8	5.3	5.3	
Region:																		
Northeast	13.2	10.9	10.6	13.0	12.9	12.2	12.9	11.4	8.7	11.3	9.9	7.9	7.5	5.8	5.6	6.6	7.0	
Midwest	13.0	10.3	9.7	10.7	11.1	11.3	10.3	9.1	8.9	6.0	6.8	6.6	6.9	5.3	6.6	5.7	6.5	
South	8.5	7.4	6.8	6.3	5.7	5.4	4.1	4.6	5.2	3.9	3.2	3.3	4.8	5.2	4.9	5.0	3.7	
West	10.2	9.3	8.2	9.6	11.0	9.2	10.4	7.8	6.3	7.0	6.3	7.2	7.4	6.0	5.5	6.9	7.3	
Population Density:																		
Large MSA	13.9	11.1	9.9	11.9	12.3	11.6	12.0	10.9	9.2	8.8	8.3	7.6	7.9	6.5	5.4	5.7	5.1	
Other MSA	12.1	9.8	9.1	9.3	10.5	9.8	9.0	7.6	7.6	6.3	6.1	5.9	6.3	6.0	5.9	6.6	7.7	
Non-MSA	8.5	7.7	7.5	8.3	7.1	7.1	6.8	6.5	5.3	5.0	5.0	4.9	5.3	3.5	5.0	4.5	3.3	
Parental Education: <sup>c</sup>																		
1.0-2.0 (Low)	8.9	7.4	6.8	7.7	7.1	8.0	6.7	6.5	6.5	5.4	4.8	5.4	5.8	4.9	4.2	3.8	4.9	
2.5–3.0	10.2	10.0	9.1	9.6	9.6	9.5	8.9	8.0	6.8	6.7	6.4	6.0	6.2	4.2	4.9	4.6	4.9	
3.5–4.0	10.9	9.8	9.2	9.7	9.7	9.2	9.2	8.6	7.7	6.3	7.2	6.3	6.0	4.8	5.6	6.5	6.2	
4.5–5.0	11.1	10.1	8.8	10.2	10.9	9.1	9.4	7.8	7.0	5.9	6.2	5.5	6.8	6.7	6.6	6.8	6.1	
5.5–6.0 (High)	8.9	9.4	9.5	10.2	11.7	9.9	10.6	9.0	7.0	7.6	4.3	5.9	7.2	7.2	7.0	8.2	7.3	
Race/Ethnicity (2-year average):																		
White	_	_	9.8	9.9	10.5	10.3	10.0	9.3	8.3	7.5	7.0	6.7	6.8	6.8	6.4	6.7	6.8	
African American	_	_	2.4	2.3	2.0	1.9	1.9	1.8	2.2	1.7	1.2	1.6	1.5	1.0	0.9	0.8	0.6	
Hispanic	_	_	7.9	7.2	7.0	7.1	7.0	7.7	6.6	5.2	5.7	5.7	5.0	4.0	3.2	3.3	4.4	

TABLE D-15 (cont.)
Hallucinogens: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

							Pe	ercentage	who use	ed in last	12 mont	hs							2008-
																			2009
	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	1998	<u>1999</u>	2000	2001 <sup>e</sup>	2002 <sup>e</sup>	2003	2004	2005	2006	2007	2008	2009	<u>change</u>
Approximate wtd. N =	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	
Total	5.9	7.4	7.6	9.3	10.1	9.8	9.0	9.4	8.1‡	9.1	6.6	5.9	6.2	5.5	4.9	5.4	5.9	4.7	-1.2 s
Adjusted <sup>b</sup>	6.2	7.8	7.8	9.7	10.7	10.0	9.2	9.8	8.7‡	9.7	7.2	6.5	6.4	5.9	5.3	5.8	6.1	5.2	-1.0
Gender:																			
Male	7.1	8.9	9.2	11.9	12.4	12.0	11.0	11.4	9.6‡	11.1	8.4	7.8	8.4	7.4	6.2	7.5	7.8	6.2	-1.6 s
Female	4.7	5.6	5.8	6.3	7.3	7.4	6.8	7.4	6.3‡	6.8	4.7	3.8	3.8	3.4	3.6	3.3	3.9	3.1	-0.8
College Plans:																			
None or under 4 years	7.8	8.1	8.4	11.9	12.1	11.3	12.0	10.5	10.3‡	10.4	9.8	8.2	7.7	7.8	7.0	8.3	8.4	5.6	-2.7 s
Complete 4 years	5.1	6.9	7.0	8.2	9.0	9.0	7.8	8.7	7.0‡	8.0	5.5	5.0	5.4	4.7	4.4	4.6	5.2	4.3	-0.9
Region:																			
Northeast	7.1	9.0	9.0	10.1	13.3	13.9	10.7	9.8	9.3‡	9.8	9.1	7.8	7.0	5.5	7.1	6.7	8.0	4.7	-3.3 ss
Midwest	5.9	6.8	8.1	9.2	8.8	7.6	8.4	9.8	7.0‡	11.4	6.4	5.4	5.3	6.7	4.9	5.3	4.5	5.9	+1.4
South	4.7	5.9	6.7	8.8	8.9	9.2	8.5	8.6	6.9‡	5.8	5.6	4.9	5.7	5.2	4.1	4.2	5.7	3.9	-1.8 s
West	7.3	9.2	7.1	9.6	10.5	9.5	9.1	10.0	10.5‡	10.8	6.2	6.3	7.4	4.4	4.3	6.5	6.2	4.6	-1.6
Population Density:																			
Large MSA	6.2	7.3	8.1	11.0	10.5	8.8	8.7	8.4	8.9‡	1.5	6.8	4.4	5.6	5.5	6.0	6.2	6.9	5.1	-1.9
Other MSA	6.0	8.1	8.6	9.5	11.4	11.2	9.9	10.4	8.3‡	8.7	7.2	7.2	7.2	5.9	4.5	5.1	5.7	4.7	-0.9
Non-MSA	5.5	6.3	5.1	7.0	7.4	8.3	7.4	8.8	7.0‡	7.3	5.2	5.5	4.8	4.5	4.1	4.8	5.3	4.2	-1.1
Parental Education: <sup>c</sup>																			
1.0-2.0 (Low)	3.6	4.9	5.0	7.2	7.4	7.3	7.9	9.0	7.0‡	6.3	5.1	5.3	4.9	3.0	4.9	3.9	4.4	3.6	-0.8
2.5–3.0	5.6	5.9	7.0	8.7	8.8	8.5	8.8	8.6	7.4‡	9.1	6.6	4.9	5.6	5.7	5.1	4.9	5.0	4.5	-0.5
3.5-4.0	6.0	7.5	8.0	9.5	10.3	9.9	9.5	10.6	8.2‡	9.4	7.1	6.4	6.6	5.4	5.1	5.5	5.5	4.6	-0.9
4.5–5.0	6.2	8.9	7.7	9.6	10.5	10.4	8.6	9.3	7.7‡	8.6	6.7	6.5	6.4	5.7	4.6	5.4	6.7	5.3	-1.4
5.5-6.0 (High)	7.4	8.9	9.0	9.5	11.4	11.6	9.4	8.4	9.6‡	8.8	5.9	5.3	6.1	5.7	4.6	6.7	7.2	4.6	-2.6 s
Race/Ethnicity (2-year average): <sup>d</sup>																			
White	6.9	7.9	8.6	9.5	10.8	11.6	11.3	10.7	9.9	9.0‡	8.4 <sup>f</sup>	7.2	7.0	6.7	6.0	6.2	6.9	6.3	-0.5
African American	0.7	0.8	1.2	1.2	1.7	1.9	1.4	1.2	1.6	1.4‡	1.2 <sup>f</sup>	1.3	1.2	1.3	1.5	1.4	1.4	1.2	-0.2
Hispanic	4.6	5.3	5.8	7.1	8.3	7.3	6.8	7.9	9.6	7.8‡	6.0 <sup>f</sup>	4.6	4.1	3.9	3.8	3.9	3.5	3.3	-0.3

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>All data are unadjusted for the underreporting of PCP, unless otherwise indicated.

<sup>&</sup>lt;sup>b</sup>Adjusted for the underreporting of PCP. See text for details.

<sup>&</sup>lt;sup>c</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>d</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>6</sup> In 2001 the question text was changed on half of the questionnaire forms. "Other psychedelics" was changed to "other hallucinogens," and "shrooms" was added to the list of examples.

The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE D-16
LSD: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

-								Percen	tage wh	o used ir	ı last 12 ı	months								2008-
Approximate wtd. N =	<u>1991</u> 17,500	<u>1992</u> 18,600	1993 18,300	<u>1994</u> 17,300	<u>1995</u> 17,500	<u>1996</u> 17,800	<u>1997</u> 18,600	<u>1998</u> 18,100	<u>1999</u> 16,700	2000 16,700	2001 16,200	<u>2002</u> 15,100	2003 16,500	<u>2004</u> 17,000	2005 16,800	2006 16,500	2007 16,100	2008 15,700	<u>2009</u> 15,000	2009 change
Total	1.7	2.1	2.3	2.4	3.2	3.5	3.2	2.8	2.4	2.4	2.2	1.5	1.3	1.1	1.2	0.9	1.1	1.3	1.1	-0.2
Gender:																				
Male	2.0	2.1	2.5	2.6	3.4	3.7	3.5	3.2	2.7	2.6	2.3	1.7	1.4	1.1	1.2	0.8	1.1	1.4	1.1	-0.3
Female	1.3	2.0	2.1	2.1	2.9	3.2	2.8	2.4	2.0	2.2	2.1	1.3	1.1	1.1	1.1	1.0	1.0	1.2	1.1	-0.1
College Plans:																				
None or under 4 years	4.5	6.4	6.4	6.2	8.5	8.2	9.3	7.8	8.2	6.7	5.8	5.7	4.3	4.7	4.1	3.4	3.9	5.2	4.9	-0.3
Complete 4 years	1.2	1.5	1.6	1.8	2.5	2.7	2.5	2.2	1.7	2.0	1.8	1.1	0.9	0.7	8.0	0.7	0.8	1.0	8.0	-0.2
Region:																				
Northeast	1.3	1.4	1.8	2.6	2.9	2.9	2.3	2.1	2.2	1.9	1.9	0.9	1.4	1.0	0.9	0.5	0.6	0.8	8.0	0.0
Midwest	1.4	1.8	1.4	1.7	3.5	3.4	3.3	2.5	2.7	3.0	1.7	1.8	1.2	0.9	0.9	0.7	1.2	1.3	1.1	-0.3
South	1.8	2.4	2.4	2.1	2.8	3.4	3.0	3.2	2.5	2.4	2.7	1.8	1.3	1.2	1.5	1.1	1.0	1.4	1.0	-0.4
West	2.2	2.9	3.7	3.3	3.8	4.3	4.3	3.2	1.9	2.3	2.0	1.2	1.2	1.2	1.1	1.0	1.4	1.4	1.6	+0.1
Population Density:																				
Large MSA	1.9	2.0	2.0	2.7	3.6	3.2	2.9	2.6	2.2	2.0	1.8	1.3	1.3	1.1	1.0	0.6	0.7	1.4	1.0	-0.5
Other MSA	1.7	2.5	2.8	2.8	3.3	4.1	3.6	2.9	2.7	2.6	2.3	1.5	1.2	1.3	1.1	1.1	1.2	1.3	1.2	-0.1
Non-MSA	1.3	1.6	1.4	1.3	2.4	2.6	2.8	2.9	1.9	2.8	2.4	1.9	1.4	0.7	1.4	1.0	1.3	1.0	1.1	+0.1
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	3.5	3.1	3.1	2.8	4.6	4.4	4.7	4.4	3.7	4.9	4.1	3.4	2.3	2.8	1.7	1.8	1.8	2.4	2.6	+0.3
2.5–3.0	1.8	2.1	2.3	2.6	3.1	4.0	3.2	2.8	2.7	2.9	2.6	2.0	1.4	1.2	1.7	1.0	1.1	1.6	1.1	-0.4
3.5-4.0	1.4	2.0	2.4	2.4	3.6	3.5	3.4	3.1	2.4	2.2	2.4	1.3	1.3	1.0	1.5	1.0	1.0	1.1	1.0	-0.2
4.5–5.0	1.4	1.5	2.1	2.1	2.6	3.4	2.9	2.5	1.9	1.8	1.5	1.2	1.1	1.0	0.6	0.7	1.0	1.0	0.8	-0.2
5.5-6.0 (High)	1.3	2.0	2.0	2.1	2.9	3.0	2.9	2.4	1.9	2.3	1.3	8.0	8.0	0.6	0.4	0.7	0.6	1.3	0.9	-0.3
Race/Ethnicity (2-year average).b																				
White	_	1.9	2.3	2.5	3.1	3.9	3.9	3.2	2.6	2.6	2.6	2.0	1.5	1.1	1.0	1.0	1.0	1.1	1.1	0.0
African American	_	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.6	8.0	0.9	0.6	0.3	0.6	0.7	+0.1
Hispanic	_	3.3	3.7	3.6	3.3	3.5	3.9	4.2	3.9	3.5	3.2	2.4	1.7	1.8	1.7	1.0	1.3	1.6	1.5	-0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-17
LSD: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

2008-

	Percentage who used in last 12 months												2008-	2009							
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change	adjusted change
Approximate wtd. N =		14.800	15.300	15.800		15,600	15.500	15.000	13.600	14,300	14.000	14,300	15.800	16.400	16.200	16,200	16.100	15.100	15,900	change	change
Total	3.7	4.0	4.2	5.2	6.5	6.9	6.7	5.9	6.0	5.1	4.1	2.6	1.7	1.6	1.5	1.7	1.9	1.8	,	+0.1	[+0.3]
Gender:																					
Male	3.9	4.3	5.1	5.9	7.4	7.6	7.6	6.3	7.0	5.9	5.1	3.1	1.9	1.8	1.9	2.1	2.3	2.2	2.3	+0.1	
Female	3.4	3.6	3.2	4.3	5.5	6.2	5.8	5.4	5.1	4.3	3.1	2.0	1.6	1.4	1.0	1.3	1.5	1.3	1.3	0.0	
College Plans:																					
None or under 4 years	6.8	7.0	8.4	9.4	11.1	13.1	12.8	12.4	13.1	11.1	9.9	6.0	4.4	4.5	4.1	5.1	4.3	5.1	5.9	+0.8	
Complete 4 years	3.0	3.4	3.3	4.2	5.6	5.8	5.7	4.7	4.9	4.1	3.2	2.0	1.3	1.2	1.1	1.2	1.5	1.3	1.4	+0.1	
Region:																					
Northeast	3.6	2.6	3.8	5.1	4.7	6.4	5.2	7.1	7.5	4.1	4.0	2.2	1.8	1.7	2.3	1.7	1.8	1.5	1.6	0.0	
Midwest	3.2	4.1	4.4	5.2	7.3	8.3	6.0	4.5	6.0	5.4	4.3	2.8	1.7	1.5	1.2	1.6	2.2	2.0	2.3	+0.3	
South	3.3	3.7	3.2	4.6	6.8	6.8	7.9	6.5	5.8	5.0	3.5	2.3	1.7	1.4	1.4	1.7	1.6	1.8	1.6	-0.2	
West	4.8	5.9	6.1	6.3	6.5	5.7	7.4	5.2	5.1	5.9	5.3	3.2	1.7	1.9	1.0	1.8	1.9	1.7	2.0	+0.4	
Population Density:																					
Large MSA	3.8	4.4	4.4	5.4	6.6	7.6	7.0	5.4	4.9	6.4	3.8	2.6	1.3	1.1	1.2	1.6	1.6	1.5	1.7	+0.2	
Other MSA	4.4	4.1	4.4	5.9	7.1	7.4	7.0	6.6	6.7	4.8	4.1	2.7	1.7	1.9	1.5	1.7	2.1	1.9	2.2	+0.3	
Non-MSA	2.3	3.5	3.7	3.7	5.0	5.2	6.0	5.0	5.9	4.4	4.6	2.3	2.3	1.5	1.8	1.8	1.7	1.7	1.4	-0.3	
Parental Education.a																					
1.0-2.0 (Low)	3.1	4.4	5.5	5.5	6.9	7.6	5.9	7.9	6.3	4.9	3.9	2.7	3.7	1.3	1.8	2.5	2.9	2.2	2.5	+0.2	
2.5–3.0	4.0	4.2	4.2	5.1	6.9	7.6	6.6	7.0	7.3	5.1	4.8	2.9	2.0	1.7	1.7	2.1	2.0	1.6	1.9	+0.3	
3.5–4.0	3.4	4.1	4.2	5.3	6.9	7.9	7.4	5.6	5.8	5.6	4.3	2.8	1.7	1.4	1.6	1.6	1.8	1.9	2.0	+0.1	
4.5–5.0	3.8	3.6	3.9	4.8	6.0	6.0	7.0	5.0	5.7	5.0	3.8	2.0	1.2	1.4	1.2	1.3	1.7	1.5	1.5	-0.1	
5.5-6.0 (High)	4.2	3.9	3.9	5.4	5.9	5.8	6.0	4.6	5.3	5.0	3.5	2.4	1.2	1.6	1.4	1.3	1.7	1.9	2.2	+0.3	
Race/Ethnicity (2-year average).b																					
White	_	4.6	4.6	5.0	6.4	7.7	7.9	7.3	7.0	6.5	5.2	3.8	2.4	1.9	1.7	1.8	2.0	2.0	1.9	-0.1	
African American	_	0.2	0.5	0.9	1.0	0.8	0.9	1.0	0.9	0.9	0.9	0.6	0.4	0.4	0.6	0.7	0.6	0.7	0.9	+0.2	
Hispanic	_	3.2	4.1	5.0	5.7	6.1	6.7	6.6	5.6	4.6	3.7	2.9	2.4	1.7	1.6	1.6	1.4	1.8	2.0	+0.2	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008-2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

**TABLE D-18** LSD: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

Percentage who used in last 12 months

	-							1 01001	itage wiit	J uscu III	1031 12 1	HOHUIS						
	Approximate wtd. N =	<u>1975</u> 9,400	<u>1976</u> 15,400	<u>1977</u> 17,100	<u>1978</u> 17,800	<u>1979</u> 15,500	<u>1980</u> 15,900	<u>1981</u> 17,500	<u>1982</u> 17,700	1983 16,300	<u>1984</u> 15,900	1985 16,000	<u>1986</u> 15,200	1987 16,300	1988 16,300	1989 16,700	<u>1990</u> 15,200	<u>1991</u> 15,000
Total	<b>,</b> ,	7.2	6.4	5.5	6.3	6.6	6.5	6.5	6.1	5.4	4.7	4.4	4.5	5.2	4.8	4.9	5.4	5.2
Gender:																		
Male		9.6	7.9	7.1	7.8	8.0	8.1	8.0	7.4	6.7	5.8	5.9	5.5	6.4	6.5	6.5	7.1	6.8
Female		5.6	4.6	3.9	4.5	4.8	4.8	4.7	4.3	3.8	3.1	2.8	3.4	3.9	3.0	3.2	3.6	3.4
College Pla	ans:																	
None or u	ınder 4 years	_	7.5	6.7	7.2	8.0	8.2	8.0	7.5	6.9	6.1	5.6	5.9	6.6	5.7	6.5	6.2	6.4
Complete	4 years	_	4.7	4.0	4.6	4.5	4.7	5.0	4.3	3.8	3.1	3.4	3.3	4.3	4.1	4.2	4.8	4.7
Region:																		
Northeast	t	8.5	8.0	7.2	8.0	7.9	6.8	9.0	8.0	5.6	7.0	5.4	5.1	5.3	4.7	5.1	5.9	6.1
Midwest		8.7	7.0	6.5	7.9	7.9	8.5	7.8	7.3	7.0	4.4	5.3	5.3	5.7	4.7	6.0	5.3	5.9
South		5.4	4.7	3.7	3.7	3.4	4.3	3.4	3.9	4.4	3.5	2.8	2.6	4.2	4.7	4.2	4.7	3.4
West		7.6	5.9	5.0	5.8	8.3	6.5	6.3	4.8	4.2	4.5	4.6	5.9	6.2	5.2	4.4	6.4	6.5
Population	Density:																	
Large MS	SA .	9.4	7.9	6.4	7.2	7.6	7.3	8.0	7.3	5.7	4.7	4.1	4.4	5.6	5.2	4.6	5.2	4.3
Other MS	SA.	7.4	6.8	5.6	6.1	7.3	6.8	6.9	6.3	6.0	4.9	4.8	4.9	5.4	5.6	5.3	6.1	7.0
Non-MSA		5.7	4.8	4.8	5.8	4.9	5.6	4.9	4.8	4.4	4.2	4.1	4.0	4.4	3.1	4.3	4.2	3.0
Parental E	ducation:a																	
1.0-2.0 (L	Low)	6.1	4.8	4.5	5.0	4.5	5.2	4.8	5.0	4.9	4.1	3.0	3.9	4.4	4.1	3.6	3.4	4.3
2.5-3.0		6.5	6.8	5.8	6.1	6.3	6.8	6.5	6.1	5.1	4.8	4.5	4.6	4.9	3.8	4.3	4.4	4.4
3.5-4.0		6.4	6.7	5.6	6.1	6.7	6.7	6.7	6.4	5.7	4.3	4.7	4.6	4.9	4.2	5.1	6.0	5.5
4.5-5.0		7.0	6.4	5.3	6.7	7.5	5.7	6.4	5.7	5.2	4.3	4.8	4.1	5.8	6.2	5.9	6.2	5.3
5.5-6.0 (H	High)	6.5	6.4	6.1	7.0	7.4	7.2	7.7	6.0	4.8	5.0	3.8	4.7	6.1	6.2	5.5	7.4	7.1
Race/Ethni	icity (2-year average):b																	
White		_	_	6.3	6.3	6.8	7.0	7.2	6.9	6.2	5.5	5.0	4.9	5.4	5.8	5.7	6.1	6.3
African Ar	merican	_	_	1.3	1.3	1.2	1.1	1.0	0.9	0.9	0.7	0.7	1.0	0.8	0.6	0.7	0.6	0.6
Hispanic		_	_	6.1	5.0	4.9	5.2	4.5	5.2	5.0	4.1	3.9	3.9	4.0	3.1	2.3	2.7	3.6

TABLE D-18 (cont.)
LSD: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

							Pe	rcentage	who use	ed in last	12 mont	hs							2008-
	4000	1993	1994	1995	1996	4007	1998	1999	2000	0004	0000	2003	0004	2005	2006	2007	2008	2009	2009
Approximate wtd. N =	<u>1992</u>	16.300	15.400	15.400	14.300	<u>1997</u> 15.400	15.200	13.600	<u>2000</u> 12.800	2001 12.800	2002 12.900	<u>2003</u> 14.600	2004 14.600	<u>2005</u> 14.700	<u>2006</u> 14.200	<u>2007</u> 14.500	<u>2006</u> 14.000	<u>2009</u> 13.700	<u>change</u>
Total	5.6	6.8	6.9	8.4	8.8	8.4	7.6	8.1	6.6	6.6	3.5	1.9	2.2	1.8	1.7	2.1	2.7	1.9	-0.9 s
Gender:	0.0	0.0	0.0	0	0.0	0		0	0.0	0.0	0.0								0.0 0
Male	6.7	8.4	8.4	10.7	10.9	10.3	9.3	10.0	7.6	7.9	4.4	2.5	3.1	2.7	2.1	3.0	3.7	2.4	-1.3 s
Female	4.4	5.1	5.3	5.8	6.5	6.2	5.7	6.1	5.3	5.0	2.3	1.2	1.2	0.9	1.1	1.2	1.6	1.3	-0.3
College Plans:																			
None or under 4 years	7.6	7.5	7.7	11.2	11.4	10.3	10.9	9.4	8.7	8.2	5.7	3.0	3.2	3.4	2.6	4.1	4.8	2.5	-2.3 ss
Complete 4 years	4.8	6.4	6.3	7.3	7.7	7.4	6.3	7.3	5.6	5.7	2.7	1.4	1.8	1.3	1.4	1.6	2.1	1.6	-0.5
Region:																			
Northeast	6.6	8.6	8.2	8.8	11.9	11.8	8.2	7.8	7.1	6.7	5.4	2.4	2.3	1.7	3.0	2.1	3.0	2.6	-0.5
Midwest	5.5	6.3	7.3	8.3	7.7	7.0	7.6	9.1	5.9	8.6	3.7	1.8	1.8	2.1	1.6	2.7	2.5	2.4	-0.1
South	4.4	5.5	6.3	8.1	7.9	8.1	7.4	7.7	6.0	4.7	3.1	1.9	2.6	1.8	1.4	1.7	3.0	1.2	-1.8 ss
West	7.0	8.5	6.2	8.5	8.8	6.9	7.1	7.7	7.9	6.6	2.1	1.4	2.3	1.6	1.1	2.0	2.2	1.5	-0.7
Population Density:																			
Large MSA	5.7	6.7	7.3	9.7	9.0	7.7	7.2	6.8	6.7	7.7	3.3	1.5	1.9	1.8	2.2	2.4	2.7	2.4	-0.3
Other MSA	5.8	7.6	7.9	8.7	10.0	9.3	8.4	9.2	6.9	6.4	4.0	2.2	2.6	1.9	1.5	2.0	2.8	1.7	-1.1 s
Non-MSA	5.1	5.6	4.6	6.5	6.5	7.3	6.1	7.4	5.9	5.6	2.7	1.7	1.9	1.7	1.2	1.8	2.6	1.4	-1.2
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	3.3	4.6	4.4	6.6	6.7	6.8	6.8	8.6	5.6	5.4	2.4	1.5	3.2	1.7	1.5	2.3	2.3	1.8	-0.5
2.5–3.0	5.2	5.6	6.5	8.1	8.2	7.3	7.8	7.6	6.4	6.7	3.4	1.9	2.4	1.9	2.0	1.9	2.4	1.6	-0.8
3.5-4.0	5.7	7.0	7.4	8.6	9.3	8.5	8.2	9.0	6.7	6.3	4.0	1.7	1.8	1.5	1.9	2.1	2.4	1.6	-0.8
4.5–5.0	5.8	8.3	6.9	8.6	8.7	8.6	6.5	8.0	6.0	6.7	3.1	1.7	2.0	1.7	1.3	2.0	2.8	1.9	-0.9
5.5-6.0 (High)	7.0	8.2	7.9	8.3	9.2	9.5	7.3	6.4	7.0	5.6	2.8	1.7	2.2	1.7	1.1	2.3	3.2	2.1	-1.1
Race/Ethnicity (2-year average): <sup>b</sup>																			
White	6.4	7.4	8.0	8.6	9.7	10.1	9.5	9.1	8.3	7.5	5.8	3.0	2.2	2.2	1.8	2.1	2.8	2.6	-0.1
African American	0.6	0.6	0.9	1.0	1.3	1.6	1.1	8.0	1.3	1.3	0.8	8.0	8.0	0.7	0.9	8.0	8.0	0.7	0.0
Hispanic	4.1	5.1	5.4	6.4	7.4	6.3	5.9	7.0	7.6	5.8	3.8	1.8	1.7	1.7	1.4	1.8	1.8	1.3	-0.5

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001, "-" indicates data not available. Any apparent inconsistency between the change estimate

and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-19
Hallucinogens other than LSD: Trends in <u>Annual Prevalence of Use</u>
by Subgroups in <u>Grade 8</u>

								Percer	ntage wh	o used ir	last 12	months								2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 <sup>a</sup>	2002 <sup>a</sup>	2003	2004	2005	2006	2007	2008	2009	2009 change
Approximate wtd. N =		18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	
Total	0.7	1.1	1.0	1.3	1.7	2.0	1.8	1.6	1.5	1.4‡	2.4	2.1	2.1	1.9	2.0	1.8	1.6	1.6	1.5	0.0
Gender:																				
Male	8.0	1.1	1.2	1.6	1.9	2.1	2.1	1.8	1.8	1.5‡	2.8	2.4	2.4	1.9	2.2	1.8	1.7	1.6	1.7	+0.1
Female	0.6	1.0	0.9	0.9	1.4	1.7	1.4	1.4	1.1	1.3‡	2.0	1.7	1.8	1.8	1.8	1.7	1.4	1.5	1.4	-0.1
College Plans:																				
None or under 4 years	1.7	3.6	2.9	3.6	4.8	5.2	4.7	5.1	5.3	3.9‡	7.4	6.5	7.5	6.5	6.1	5.5	6.0	6.9	5.9	-0.9
Complete 4 years	0.5	0.7	0.7	1.0	1.3	1.4	1.4	1.2	1.0	1.2‡	1.8	1.6	1.5	1.4	1.6	1.4	1.2	1.1	1.2	+0.1
Region:																				
Northeast	0.4	0.6	0.7	1.4	1.8	2.1	1.7	1.2	1.4	1.3‡	2.1	1.3	1.9	1.6	1.5	1.2	0.8	1.0	1.3	+0.2
Midwest	0.6	1.3	0.6	1.1	1.6	1.8	1.8	1.9	1.7	1.8‡	1.8	2.1	2.2	1.7	1.9	1.7	1.7	1.4	1.4	0.0
South	0.7	1.0	1.0	1.0	1.5	1.7	1.4	1.8	1.6	1.3‡	2.9	2.2	2.2	1.9	2.4	1.8	1.4	1.7	1.4	-0.3
West	1.4	1.3	1.9	1.9	1.9	2.6	2.7	1.3	1.1	1.4‡	2.4	2.6	2.3	2.2	2.0	2.2	2.3	1.8	2.1	+0.3
Population Density:																				
Large MSA	0.7	8.0	0.7	1.6	1.6	1.8	1.4	1.3	1.1	1.2‡	1.9	1.6	1.6	1.4	2.0	1.2	1.3	1.4	1.2	-0.3
Other MSA	0.7	1.3	1.3	1.4	1.8	2.2	1.9	1.6	1.5	1.7‡	2.6	1.9	2.1	2.1	2.0	2.0	1.6	1.7	1.6	-0.1
Non-MSA	0.7	1.0	0.9	0.8	1.5	1.7	1.9	2.0	1.9	1.3‡	2.6	3.0	3.0	2.0	2.2	2.1	2.0	1.3	1.8	+0.5
Parental Education.b																				
1.0-2.0 (Low)	1.5	1.8	1.4	1.6	2.4	2.2	2.6	2.7	2.6	2.5‡	5.0	3.4	3.5	3.9	2.7	2.3	2.5	3.1	3.3	+0.2
2.5-3.0	8.0	0.7	1.1	1.1	1.7	2.1	2.0	1.3	1.9	1.5‡	2.3	2.6	2.8	2.0	2.9	2.2	1.5	1.7	1.3	-0.4
3.5-4.0	0.4	1.2	1.2	1.2	1.8	2.0	1.6	1.8	1.3	1.3‡	2.6	1.9	2.2	1.7	2.6	1.8	1.9	1.7	1.6	-0.1
4.5-5.0	8.0	0.9	0.7	1.5	1.6	2.0	1.6	1.5	0.9	1.1‡	1.6	1.7	1.5	1.6	1.6	1.7	1.2	1.2	1.3	0.0
5.5-6.0 (High)	8.0	1.3	0.9	1.5	1.7	1.4	1.9	1.9	1.5	2.0‡	1.9	1.5	1.6	1.6	1.0	1.2	0.9	1.3	1.3	0.0
Race/Ethnicity (2-year average). $^{\mathfrak{c}}$																				
White	_	0.9	1.0	1.2	1.7	2.1	2.1	1.8	1.6	1.6	1.4‡	1.5 <sup>d</sup>	2.3	2.2	2.1	2.2	1.8	1.7	1.6	0.0
African American	_	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3‡	0.4 <sup>d</sup>	0.6	0.8	0.9	0.9	0.6	0.6	0.6	0.0
Hispanic		1.5	1.5	1.5	1.8	2.1	2.0	2.2	2.2	1.8	1.2‡	1.8 <sup>d</sup>	2.2	2.2	2.1	1.4	1.6	1.9	1.8	-0.1

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>In 2001 the question text was changed on half of the questionnaire forms. "Other psychedelics" was changed to "other hallucinogens," and "shrooms" was added to the list of examples. The 2001 data are based on the changed forms only; *N* is one half of *N* indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>d</sup>Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE D-20 Hallucinogens other than LSD: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

2008-

								Percer	tage wh	o used ir	last 12	months								2008-	2009
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 <sup>a</sup>	2002 <sup>a</sup>	2003	2004	2005	2006	2007	2008	2009	2009 change	adjusted change
Approximate wtd. N =		14,800	15,300	15,800	17,000	15,600	15,500	15,000			14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900		
Total	1.3	1.4	1.9	2.4	2.8	3.3	3.3	3.4	3.2	3.1‡	4.4	4.0	3.6	3.7	3.5	3.7	3.8	3.3	3.5	+0.2	[-0.2]
Gender:																					
Male	1.5	1.6	2.5	3.0	3.4	3.8	4.1	3.9	4.1	3.8‡	5.7	4.6	4.4	4.3	4.2	4.1	4.7	4.0	4.4	+0.3	
Female	1.1	1.1	1.2	1.7	2.1	2.7	2.5	2.8	2.3	2.4‡	3.1	3.4	2.8	3.2	2.9	3.1	3.0	2.6	2.6	0.0	
College Plans:																					
None or under 4 years	2.5	2.7	3.7	4.8	5.3	6.2	4.8	7.3	6.7	6.1‡	10.9	8.8	7.3	8.2	8.5	9.0	8.9	9.0	9.0	0.0	
Complete 4 years	1.1	1.1	1.5	1.9	2.3	2.7	3.0	2.6	2.6	2.6‡	3.3	3.3	2.9	3.1	2.8	3.0	3.2	2.6	2.9	+0.3	
Region:																					
Northeast	1.4	0.7	2.3	3.2	3.0	3.9	3.2	4.7	4.5	3.4‡	4.2	3.6	3.4	4.3	4.4	3.7	4.1	2.9	2.7	-0.2	
Midwest	1.0	1.2	1.7	1.9	2.2	3.2	3.4	3.2	2.8	3.3‡	4.0	4.3	2.9	3.3	3.6	3.7	4.0	3.3	3.8	+0.6	
South	1.3	1.2	1.5	2.1	2.7	3.1	3.1	3.2	2.7	2.9‡	3.6	3.4	3.5	3.3	3.0	3.0	3.1	3.5	3.3	-0.2	
West	1.6	2.6	2.5	3.0	3.5	3.0	3.6	2.5	3.3	3.0‡	6.7	5.1	4.5	4.2	3.3	4.7	4.4	3.6	4.3	+0.7	
Population Density:																					
Large MSA	1.4	1.5	1.9	2.4	2.7	3.4	3.3	3.1	3.1	3.9‡	3.4	4.0	2.8	2.7	2.9	3.8	3.4	3.3	3.4	+0.2	
Other MSA	1.4	1.4	1.9	2.5	3.0	3.5	3.2	3.4	3.5	2.9‡	4.8	4.0	3.9	4.4	3.9	3.7	4.1	3.6	3.6	+0.1	
Non-MSA	1.0	1.2	2.0	2.3	2.5	2.7	3.5	3.5	2.7	2.8‡	4.5	3.9	3.8	3.6	3.6	3.3	3.8	2.9	3.4	+0.5	
Parental Education. <sup>b</sup>																					
1.0–2.0 (Low)	1.5	1.5	2.0	2.6	3.3	3.4	2.4	2.9	3.4	2.5‡	4.8	4.4	5.2	2.8	3.1	4.7	4.5	4.7	5.0	+0.4	
2.5–3.0	1.2	1.0	1.4	1.8	2.7	3.4	2.7	4.2	3.0	2.6‡	4.4	4.3	4.2	4.5	4.1	3.8	3.9	3.3	3.2	-0.1	
3.5–4.0	1.3	1.7	2.3	2.3	3.0	3.2	3.6	3.0	2.8	3.2‡	4.3	4.0	3.3	3.6	3.6	3.4	4.1	3.5	3.7	+0.2	
4.5–5.0	1.2	1.5	1.9	2.6	2.5	3.3	3.7	3.0	3.7	3.7‡	4.4	3.5	3.2	3.5	3.5	3.7	3.8	2.9	3.2	+0.2	
5.5-6.0 (High)	1.8	1.1	2.1	2.8	2.5	3.5	3.6	3.7	3.7	3.7‡	3.9	4.6	3.0	3.5	3.3	3.8	3.3	2.6	3.8	+1.2	
Race/Ethnicity (2-year average):																					
White	_	1.5	1.8	2.3	2.8	3.4	3.9	4.0	4.0	3.8	3.4‡	4.0 <sup>d</sup>	4.7	4.4	4.2	4.2	4.4	4.2	3.9	-0.3	
African American	_	0.1	0.4	0.7	0.7	0.4	0.3	0.4	0.5	0.6	1.1‡	1.3 <sup>d</sup>	0.9	0.7	1.1	1.2	0.8	0.7	1.1	+0.4	
Hispanic		1.3	1.5	1.9	2.0	2.1	2.4	2.8	2.6	2.0	1.6‡	2.5 <sup>d</sup>	2.9	3.2	3.5	3.0	2.3	2.9	3.6	+0.7	

Source. The Monitoring the Future study, the University of Michigan.

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .001, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>In 2001 the question text was changed on half of the questionnaire forms. "Other psychedelics" was changed to "other hallucinogens," and "shrooms" was added to the list of examples. The 2001 data are based on the changed forms only; *N* is one half of *N* indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>d</sup>Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE D-21
Hallucinogens other than LSD: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who used in last 12 months

							Percer	ilage wii	o usea in	ilast 12 i	HOHIUS							
Approximate wtd. N =	<u>1975</u> 9.400	<u>1976</u> 15.400	<u>1977</u> 17.100	<u>1978</u> 17.800	<u>1979</u> 15,500	<u>1980</u> 15,900	<u>1981</u> 17.500	<u>1982</u> 17.700	<u>1983</u> 16.300	<u>1984</u> 15.900	<u>1985</u> 16.000	<u>1986</u> 15.200	<u>1987</u> 16.300	1988 16.300	<u>1989</u> 16.700	1990 15.200	<u>1991</u> 15,000	Cont.
Total	9.4	7.0	6.9	7.3	6.8	6.2	5.6	4.7	4.1	3.8	3.6	3.0	3.2	2.1	2.2	2.1	2.0	
Gender:	• • •																	
Male	12.1	8.8	8.9	8.8	8.0	8.0	6.9	5.7	4.9	4.8	4.6	3.4	3.7	2.7	3.1	3.0	2.7	
Female	7.5	5.0	4.9	5.5	5.3	4.2	4.0	3.6	3.1	2.7	2.5	2.5	2.6	1.4	1.1	1.1	1.3	
College Plans:																		
None or under 4 years	_	8.3	8.6	8.1	7.6	6.7	6.0	5.1	4.8	4.5	4.1	3.3	3.5	2.5	2.7	2.1	2.4	
Complete 4 years	_	5.2	4.9	5.7	5.3	5.1	5.0	4.1	3.1	3.0	2.9	2.5	2.8	1.8	1.9	1.9	1.9	
Region:																		
Northeast	12.0	7.8	8.2	10.3	10.2	10.0	9.0	8.1	6.1	8.4	7.1	5.1	4.8	2.6	2.5	2.9	3.5	
Midwest	11.3	7.9	7.9	7.6	6.8	6.7	5.7	4.8	4.4	2.9	3.1	2.7	3.5	1.6	2.3	1.7	1.9	
South	7.1	5.7	5.4	4.8	4.1	3.1	2.0	1.8	2.4	1.5	1.5	1.4	1.7	2.0	1.9	1.7	1.0	
West	7.7	6.7	6.3	7.2	6.6	5.9	6.9	4.9	4.1	4.5	3.6	3.3	3.3	2.5	2.3	2.6	2.6	
Population Density:																		
Large MSA	11.1	7.8	7.5	9.3	8.8	8.5	8.1	7.3	6.6	6.9	6.1	5.1	4.8	3.3	2.6	2.3	1.8	
Other MSA	10.7	7.3	7.2	6.9	7.2	6.5	5.0	3.7	4.0	3.1	3.0	2.4	2.5	1.7	2.0	2.4	2.6	
Non-MSA	6.8	6.1	6.1	6.1	4.7	4.1	4.4	4.0	2.4	2.4	2.4	2.1	2.9	1.6	2.1	1.5	1.2	
Parental Education: <sup>a</sup>																		
1.0-2.0 (Low)	7.5	5.1	5.4	5.7	4.7	5.8	3.9	3.7	3.6	2.8	2.7	2.3	3.4	2.7	2.0	1.5	1.9	
2.5–3.0	8.7	7.6	6.9	7.2	6.5	5.9	5.1	4.7	3.6	3.8	3.5	3.1	2.9	1.5	1.8	1.2	1.6	
3.5-4.0	9.1	7.5	7.4	7.3	6.6	5.8	5.8	4.8	4.5	3.6	4.1	3.2	3.0	1.8	1.8	2.2	2.0	
4.5–5.0	9.7	8.4	7.0	7.8	7.5	6.4	6.0	4.7	3.9	3.8	3.6	2.7	3.3	2.2	2.6	2.8	2.4	
5.5-6.0 (High)	7.4	7.2	7.8	7.9	9.2	7.2	7.0	6.7	4.6	5.3	2.6	2.8	3.5	3.1	3.3	3.6	2.4	
Race/Ethnicity (2-year average):b																		
White	_	_	7.6	7.6	7.5	7.0	6.3	5.6	4.7	4.3	4.0	3.5	3.4	3.0	2.4	2.4	2.4	
African American	_	_	1.6	1.6	1.3	1.4	1.3	1.2	1.6	1.3	0.8	0.9	0.9	0.6	0.5	0.4	0.3	
Hispanic	_	_	5.1	5.2	4.8	4.4	4.5	4.8	4.2	3.4	3.7	3.3	2.1	1.7	1.6	1.5	1.7	

TABLE D-21 (cont.)
Hallucinogens other than LSD: Trends in <u>Annual</u> Prevalence of Use by Subgroups in Grade 12

						Pe	rcentage	who use	ed in last	12 mont	hs							2008-
																		2009
																		<u>change</u>
	,	-,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	-0.8 s
1.7	2.2	J. I	5.0	4.4	4.0	4.0	4.5	4.44	5.5	3.4	3.4	3.0	3.0	4.0	4.0	5.0	4.2	-0.0 3
23	3.0	43	53	5.7	5.0	6.0	5.4	5.8+	72	72	7.2	77	6.7	5.7	6.8	6.7	5.7	-0.9
																		-0.8 s
1.2	1.3	1.9	2.1	2.0	3.2	3.0	3.1	2.94	4.2	3.3	3.4	3.4	3.2	3.3	2.9	3.4	2.0	-0.0 S
2.2	2.5	2.2	4.4	E 1	4.7	6.1	4.4	F 6+	7.0	7.0	7.0	6.0	6.0	6.5	7.0	6.2	<b>5</b> 0	-1.3
																		-1.3 -0.8 s
1.5	2.0	2.9	3.4	4.0	4.4	3.9	4.0	3.01	5.0	4.0	4.5	4.9	4.4	4.1	4.2	4.7	3.9	-0.6 S
0.5	0.0	- 4		0.4	0.0	0.0		5.01	0.0	7.5	7.0	0.7	4.0	0.4	0.0	7.0	0.0	0.4
																		-3.4 sss
																		+1.4
																		-0.9
1.8	2.9	3.6	4.5	5.4	6.1	5.5	5.7	6.9‡	8.0	5.6	6.0	6.9	4.0	4.2	5.7	5.4	4.0	-1.4
2.1	2.5	3.6	4.9	5.2	4.0	4.4	4.5	5.2‡	7.6	5.9	3.9	5.2	5.1	5.5	5.5	6.0	4.5	-1.5
1.7	2.2	3.6	3.7	4.7	5.4	5.1	4.2	4.3‡	5.4	5.8	6.5	6.6	5.4	4.2	4.7	4.9	4.3	-0.6
1.4	2.0	1.8	2.7	3.1	3.6	3.7	4.2	3.8‡	4.8	4.3	5.1	4.1	4.0	3.9	4.1	4.4	3.6	-0.7
1.3	1.7	2.2	2.7	3.5	2.7	3.7	2.2	3.8‡	3.8	4.3	4.7	3.3	2.9	4.9	3.5	3.4	3.0	-0.4
1.6	1.5	2.4	3.4	3.0	3.5	3.9	3.3	3.6‡	5.4	5.4	4.3	4.9	5.1	4.5	4.3	3.9	4.1	+0.2
1.8	2.4	2.9	3.6	4.0	4.8	4.6	5.1	4.2‡	6.1	5.6	5.9	6.0	4.9	4.9	4.9	4.8	4.4	-0.5
1.7	2.7	3.7	4.2	5.2	5.3	5.0	4.4	4.6‡	5.5	5.8	6.0	6.3	5.3	4.3	4.9	6.0	4.7	-1.3
2.1	3.0	4.4	4.1	5.9	5.9	5.4	4.7	5.8‡	6.6	5.1	4.8	5.6	5.3	4.5	5.8	6.1	4.1	-2.0 s
2.2	2.2	3.0	3.8	4.4	5.2	5.6	5.2	4.8	4.7‡	5.4 <sup>d</sup>	6.3	6.4	6.1	5.5	5.6	6.0	5.6	-0.5
0.3	0.5	0.7	0.8	0.8	0.7	0.6	0.6	1.0	0.9‡	0.9 <sup>d</sup>	0.9	0.9	1.2	1.4	1.2	1.0	0.9	-0.1
1.4	1.4	1.6	2.6	3.5	3.1	2.7	3.0	4.6	4.8‡	4.1 <sup>d</sup>	4.1	3.7	3.6	3.5	3.4	3.0	2.8	-0.2
	1.7 1.4 1.3 1.6 1.8 1.7 2.1 2.2	15,800         16,300           1.7         2.2           2.3         3.0           1.2         1.3           2.2         2.5           1.5         2.0           2.5         2.6           1.8         2.0           1.3         1.8           1.8         2.9           2.1         2.5           1.7         2.2           1.4         2.0           1.3         1.7           1.6         1.5           1.8         2.4           1.7         2.7           2.1         3.0           2.2         2.2           0.3         0.5	15,800         16,300         15,400           1.7         2.2         3.1           2.3         3.0         4.3           1.2         1.3         1.9           2.2         2.5         3.2           1.5         2.0         2.9           2.5         2.6         5.1           1.8         2.0         3.1           1.3         1.8         1.9           1.8         2.9         3.6           1.7         2.2         3.6           1.4         2.0         1.8           1.3         1.7         2.2           1.6         1.5         2.4           1.8         2.4         2.9           1.7         2.7         3.7           2.1         3.0         4.4           2.2         2.2         3.0           0.3         0.5         0.7	15,800         16,300         15,400         15,400         15,400           1.7         2.2         3.1         3.8           2.3         3.0         4.3         5.3           1.2         1.3         1.9         2.1           2.2         2.5         3.2         4.4           1.5         2.0         2.9         3.4           2.5         2.6         5.1         5.3           1.8         2.0         3.1         3.2           1.3         1.8         1.9         3.1           1.8         2.9         3.6         4.5           2.1         2.5         3.6         4.9           1.7         2.2         3.6         3.7           1.4         2.0         1.8         2.7           1.3         1.7         2.2         2.7           1.6         1.5         2.4         3.4           1.8         2.4         2.9         3.6           1.7         2.7         3.7         4.2           2.1         3.0         4.4         4.1	15,800         16,300         15,400         15,400         14,300           1.7         2.2         3.1         3.8         4.4           2.3         3.0         4.3         5.3         5.7           1.2         1.3         1.9         2.1         2.8           2.2         2.5         3.2         4.4         5.1           1.5         2.0         2.9         3.4         4.0           2.5         2.6         5.1         5.3         6.1           1.8         2.0         3.1         3.2         3.5           1.3         1.8         1.9         3.1         3.6           1.8         2.9         3.6         4.5         5.4           2.1         2.5         3.6         4.9         5.2           1.7         2.2         3.6         3.7         4.7           1.4         2.0         1.8         2.7         3.1           1.3         1.7         2.2         2.7         3.5           1.6         1.5         2.4         3.4         3.0           1.8         2.4         2.9         3.6         4.0           1.7         2.7	15,800         16,300         15,400         15,400         14,300         15,400           1.7         2.2         3.1         3.8         4.4         4.6           2.3         3.0         4.3         5.3         5.7         5.9           1.2         1.3         1.9         2.1         2.8         3.2           2.2         2.5         3.2         4.4         5.1         4.7           1.5         2.0         2.9         3.4         4.0         4.4           2.5         2.6         5.1         5.3         6.1         6.6           1.8         2.0         3.1         3.2         3.5         2.8           1.3         1.8         1.9         3.1         3.6         4.0           1.8         2.9         3.6         4.5         5.4         6.1           2.1         2.5         3.6         4.9         5.2         4.0           1.7         2.2         3.6         3.7         4.7         5.4           1.4         2.0         1.8         2.7         3.1         3.6           1.3         1.7         2.2         2.7         3.5         2.7 </td <td>1992         1993         1994         1995         1996         1997         1998           15,800         16,300         15,400         15,400         14,300         15,400         15,200           1.7         2.2         3.1         3.8         4.4         4.6         4.6           2.3         3.0         4.3         5.3         5.7         5.9         6.0           1.2         1.3         1.9         2.1         2.8         3.2         3.0           2.2         2.5         3.2         4.4         5.1         4.7         6.1           1.5         2.0         2.9         3.4         4.0         4.4         3.9           2.5         2.6         5.1         5.3         6.1         6.6         6.3           1.8         2.0         3.1         3.2         3.5         2.8         4.1           1.3         1.8         1.9         3.1         3.6         4.0         3.5           1.8         2.9         3.6         4.5         5.4         6.1         5.5           2.1         2.5         3.6         4.9         5.2         4.0         4.4           1.7</td> <td>1992         1993         1994         1995         1996         1997         1998         1999           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1           2.2         2.5         3.2         4.4         5.1         4.7         6.1         4.4           1.5         2.0         2.9         3.4         4.0         4.4         3.9         4.0           2.5         2.6         5.1         5.3         6.1         6.6         6.3         5.5           1.8         2.0         3.1         3.2         3.5         2.8         4.1         3.7           1.3         1.8         1.9         3.1         3.6         4.0         3.5         3.3           1.8         2.9         3.6         4.5         5.4         6.1</td> <td>1992         1993         1994         1995         1996         1997         1998         1999         2000           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3         4.4‡           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4         5.8‡           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1         2.9‡           2.2         2.5         3.2         4.4         5.1         4.7         6.1         4.4         5.6‡           1.5         2.0         2.9         3.4         4.0         4.4         3.9         4.0         3.8‡           2.5         2.6         5.1         5.3         6.1         6.6         6.3         5.5         5.0‡           1.8         2.0         3.1         3.2         3.5         2.8         4.1         3.7         3.6‡           1.3         1.8         1.9         3.1         3.6         4.0</td> <td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001°           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800         12,800           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3         4.4‡         5.9           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4         5.8‡         7.2           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1         2.9‡         4.2           2.2         2.5         3.2         4.4         5.1         4.7         6.1         4.4         5.6‡         7.3           1.5         2.0         2.9         3.4         4.0         4.4         3.9         4.0         3.8‡         5.0           2.5         2.6         5.1         5.3         6.1         6.6         6.3         5.5         5.0‡         6.9           1.8         2.0         3.1         3.2         3.5         2.8         4.1         &lt;</td> <td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001°         2002°           15,800         16,300         15,400         15,400         15,400         15,200         13,600         12,800         12,800         12,900           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3         4.4‡         5.9         5.4           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4         5.8‡         7.2         7.2           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1         2.9‡         4.2         3.5           2.2         2.5         3.2         4.4         5.1         4.7         6.1         4.4         5.6‡         7.3         7.9           1.5         2.0         2.9         3.4         4.0         4.4         3.9         4.0         3.8‡         5.0         4.6           2.5         2.6         5.1         5.3         6.1         6.6         6.3         5.5         5.0‡         6.9         7.5</td> <td>15,800         16,300         15,400         14,300         15,400         15,400         15,400         15,400         15,400         15,200         12,800&lt;</td> <td>  1992   1993   1994   1995   1996   1997   1998   1999   2000   2001°   2002°   2003   2004   15,600   16,300   15,400   15,400   14,300   15,400   15,200   13,600   12,800   12,800   12,800   12,800   14,600</td> <td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001°         2002°         2003         2004         2005           15,800         15,400         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,800         12,800         14,600         14,600         14,700           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3         4.4‡         5.9         5.4         5.4         5.6         5.0           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4         5.8‡         7.2         7.2         7.7         6.7           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1         2.9‡         4.2         3.5         3.4         3.4         3.2           1.5         2.0         2.9         3.4         4.0         4.4         3.9         4.0         3.8‡         5.0         4.6         4.5         4.9         4.4           2.5         2.6         5.1         5.3         6.1         <td< td=""><td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001°         2002°         2003         2004         2005         2006           15,800         16,300         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,900         14,600         14,600         14,700         14,200           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3         4.4         5.9         5.4         5.4         5.6         5.0         4.6           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4         5.8         7.2         7.2         7.2         7.7         6.7         5.7           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1         2.9         4.2         3.5         3.4         3.4         3.2         3.3           2.2         2.5         3.2         4.4         5.1         4.7         6.1         4.4         5.6         7.3         7.9         7.3         6.9         6.8         6.5</td><td>  1992   1993   1994   1995   1996   1997   1998   1999   12,800   12,800   12,900   14,600   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,700   14,200   14,500   14,700   14,200   14,500   14,700   14,700   14,200   14,500   14,700   14,700   14,700   14,200   14,500   14,700  </td><td>  1992   1993   1994   1995   1996   1997   1998   1990   2000   2001   2002   2003   2004   2005   2006   2007   2008   15,800   15,400   15,400   15,400   15,400   15,200   15,200   13,600   12,800   12,800   12,900   14,600   14,600   14,700   14,200   14,500   14,000   1,700   14,000   1,700   14,000   1,700   14,000   1,700   14,000   1,700   1,700   14,000   1,700  </td><td>  1992   1993   1994   1995   1996   1997   1998   1999   2000   2001°   2002°   2003   2004   2005   2006   2007   2008   2009   15,800   16,300   15,400   15,400   15,400   15,200   13,600   12,800   12,800   12,900   14,600   14,600   14,600   14,700   14,200   14,500   14,000  </td></td<></td>	1992         1993         1994         1995         1996         1997         1998           15,800         16,300         15,400         15,400         14,300         15,400         15,200           1.7         2.2         3.1         3.8         4.4         4.6         4.6           2.3         3.0         4.3         5.3         5.7         5.9         6.0           1.2         1.3         1.9         2.1         2.8         3.2         3.0           2.2         2.5         3.2         4.4         5.1         4.7         6.1           1.5         2.0         2.9         3.4         4.0         4.4         3.9           2.5         2.6         5.1         5.3         6.1         6.6         6.3           1.8         2.0         3.1         3.2         3.5         2.8         4.1           1.3         1.8         1.9         3.1         3.6         4.0         3.5           1.8         2.9         3.6         4.5         5.4         6.1         5.5           2.1         2.5         3.6         4.9         5.2         4.0         4.4           1.7	1992         1993         1994         1995         1996         1997         1998         1999           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1           2.2         2.5         3.2         4.4         5.1         4.7         6.1         4.4           1.5         2.0         2.9         3.4         4.0         4.4         3.9         4.0           2.5         2.6         5.1         5.3         6.1         6.6         6.3         5.5           1.8         2.0         3.1         3.2         3.5         2.8         4.1         3.7           1.3         1.8         1.9         3.1         3.6         4.0         3.5         3.3           1.8         2.9         3.6         4.5         5.4         6.1	1992         1993         1994         1995         1996         1997         1998         1999         2000           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3         4.4‡           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4         5.8‡           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1         2.9‡           2.2         2.5         3.2         4.4         5.1         4.7         6.1         4.4         5.6‡           1.5         2.0         2.9         3.4         4.0         4.4         3.9         4.0         3.8‡           2.5         2.6         5.1         5.3         6.1         6.6         6.3         5.5         5.0‡           1.8         2.0         3.1         3.2         3.5         2.8         4.1         3.7         3.6‡           1.3         1.8         1.9         3.1         3.6         4.0	1992         1993         1994         1995         1996         1997         1998         1999         2000         2001°           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800         12,800           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3         4.4‡         5.9           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4         5.8‡         7.2           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1         2.9‡         4.2           2.2         2.5         3.2         4.4         5.1         4.7         6.1         4.4         5.6‡         7.3           1.5         2.0         2.9         3.4         4.0         4.4         3.9         4.0         3.8‡         5.0           2.5         2.6         5.1         5.3         6.1         6.6         6.3         5.5         5.0‡         6.9           1.8         2.0         3.1         3.2         3.5         2.8         4.1         <	1992         1993         1994         1995         1996         1997         1998         1999         2000         2001°         2002°           15,800         16,300         15,400         15,400         15,400         15,200         13,600         12,800         12,800         12,900           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3         4.4‡         5.9         5.4           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4         5.8‡         7.2         7.2           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1         2.9‡         4.2         3.5           2.2         2.5         3.2         4.4         5.1         4.7         6.1         4.4         5.6‡         7.3         7.9           1.5         2.0         2.9         3.4         4.0         4.4         3.9         4.0         3.8‡         5.0         4.6           2.5         2.6         5.1         5.3         6.1         6.6         6.3         5.5         5.0‡         6.9         7.5	15,800         16,300         15,400         14,300         15,400         15,400         15,400         15,400         15,400         15,200         12,800<	1992   1993   1994   1995   1996   1997   1998   1999   2000   2001°   2002°   2003   2004   15,600   16,300   15,400   15,400   14,300   15,400   15,200   13,600   12,800   12,800   12,800   12,800   14,600	1992         1993         1994         1995         1996         1997         1998         1999         2000         2001°         2002°         2003         2004         2005           15,800         15,400         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,800         12,800         14,600         14,600         14,700           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3         4.4‡         5.9         5.4         5.4         5.6         5.0           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4         5.8‡         7.2         7.2         7.7         6.7           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1         2.9‡         4.2         3.5         3.4         3.4         3.2           1.5         2.0         2.9         3.4         4.0         4.4         3.9         4.0         3.8‡         5.0         4.6         4.5         4.9         4.4           2.5         2.6         5.1         5.3         6.1 <td< td=""><td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001°         2002°         2003         2004         2005         2006           15,800         16,300         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,900         14,600         14,600         14,700         14,200           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3         4.4         5.9         5.4         5.4         5.6         5.0         4.6           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4         5.8         7.2         7.2         7.2         7.7         6.7         5.7           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1         2.9         4.2         3.5         3.4         3.4         3.2         3.3           2.2         2.5         3.2         4.4         5.1         4.7         6.1         4.4         5.6         7.3         7.9         7.3         6.9         6.8         6.5</td><td>  1992   1993   1994   1995   1996   1997   1998   1999   12,800   12,800   12,900   14,600   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,700   14,200   14,500   14,700   14,200   14,500   14,700   14,700   14,200   14,500   14,700   14,700   14,700   14,200   14,500   14,700  </td><td>  1992   1993   1994   1995   1996   1997   1998   1990   2000   2001   2002   2003   2004   2005   2006   2007   2008   15,800   15,400   15,400   15,400   15,400   15,200   15,200   13,600   12,800   12,800   12,900   14,600   14,600   14,700   14,200   14,500   14,000   1,700   14,000   1,700   14,000   1,700   14,000   1,700   14,000   1,700   1,700   14,000   1,700  </td><td>  1992   1993   1994   1995   1996   1997   1998   1999   2000   2001°   2002°   2003   2004   2005   2006   2007   2008   2009   15,800   16,300   15,400   15,400   15,400   15,200   13,600   12,800   12,800   12,900   14,600   14,600   14,600   14,700   14,200   14,500   14,000  </td></td<>	1992         1993         1994         1995         1996         1997         1998         1999         2000         2001°         2002°         2003         2004         2005         2006           15,800         16,300         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,900         14,600         14,600         14,700         14,200           1.7         2.2         3.1         3.8         4.4         4.6         4.6         4.3         4.4         5.9         5.4         5.4         5.6         5.0         4.6           2.3         3.0         4.3         5.3         5.7         5.9         6.0         5.4         5.8         7.2         7.2         7.2         7.7         6.7         5.7           1.2         1.3         1.9         2.1         2.8         3.2         3.0         3.1         2.9         4.2         3.5         3.4         3.4         3.2         3.3           2.2         2.5         3.2         4.4         5.1         4.7         6.1         4.4         5.6         7.3         7.9         7.3         6.9         6.8         6.5	1992   1993   1994   1995   1996   1997   1998   1999   12,800   12,800   12,900   14,600   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,600   14,700   14,200   14,500   14,700   14,200   14,500   14,700   14,200   14,500   14,700   14,700   14,200   14,500   14,700   14,700   14,700   14,200   14,500   14,700	1992   1993   1994   1995   1996   1997   1998   1990   2000   2001   2002   2003   2004   2005   2006   2007   2008   15,800   15,400   15,400   15,400   15,400   15,200   15,200   13,600   12,800   12,800   12,900   14,600   14,600   14,700   14,200   14,500   14,000   1,700   14,000   1,700   14,000   1,700   14,000   1,700   14,000   1,700   1,700   14,000   1,700	1992   1993   1994   1995   1996   1997   1998   1999   2000   2001°   2002°   2003   2004   2005   2006   2007   2008   2009   15,800   16,300   15,400   15,400   15,400   15,200   13,600   12,800   12,800   12,900   14,600   14,600   14,600   14,700   14,200   14,500   14,000

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .001, "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>c</sup>In 2001 the question text was changed on half of the questionnaire forms. "Other psychedelics" was changed to "other hallucinogens," and "shrooms" was added to the list of examples. The 2001 data are based on the changed forms only; *N* is one half of *N* indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

<sup>&</sup>lt;sup>d</sup>Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE D-22
Ecstasy (MDMA): Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

-								Percer	tage wh	o used in	last 12 i	months								2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change
Approximate wtd. N =	_	_	<del>1000</del>	<del></del>	_	17,800	18.600	18.100	16.700	16,700		15,100		17.000	16,800	16.500	16,100	15,700	15,000	onango
Total	_	_	_	_	_	2.3	2.3	1.8	1.7	3.1	3.5	2.9	2.1	1.7	1.7	1.4	1.5	1.7	1.3	-0.4
Gender:																				
Male	_	_	_	_	_	2.2	2.7	2.3	1.7	3.1	3.4	3.1	1.8	1.7	1.6	1.0	1.3	1.4	1.3	-0.1
Female	_	_	_	_	_	2.3	2.0	1.3	1.7	3.0	3.7	2.6	2.2	1.8	1.7	1.7	1.7	2.0	1.2	-0.7 s
College Plans:																				
None or under 4 years	_	_	_	_	_	4.8	6.1	4.8	5.3	6.5	9.2	9.1	6.9	5.4	5.9	3.8	5.4	6.9	4.9	-2.0
Complete 4 years	_	_	_	_	_	1.9	2.0	1.5	1.2	2.7	2.9	2.3	1.5	1.3	1.3	1.2	1.1	1.3	1.0	-0.3
Region:																				
Northeast	_	_	_	_	_	2.1	1.5	1.6	1.8	2.4	3.8	2.0	1.8	1.8	1.1	8.0	0.5	1.2	1.0	-0.1
Midwest	_	_	_	_	_	1.7	1.7	1.7	1.4	3.5	2.9	2.3	2.1	1.4	1.7	1.6	1.2	1.4	1.0	-0.5
South	_	_	_	_	_	2.8	2.3	2.7	1.8	3.2	3.7	3.7	2.5	1.9	2.1	2.0	1.8	1.8	1.1	-0.7
West	_	_	_	_	_	2.3	3.8	8.0	1.7	2.9	3.6	3.0	1.6	1.7	1.5	0.7	1.9	2.2	2.2	0.0
Population Density:																				
Large MSA	_	_	_	_	_	2.9	1.8	1.8	1.6	3.0	3.1	2.6	1.8	2.1	1.6	1.1	1.4	1.9	1.3	-0.6
Other MSA	_	_	_	_	_	2.5	3.1	2.1	1.8	3.4	4.3	3.3	1.9	1.9	1.6	1.6	1.5	1.7	1.4	-0.3
Non-MSA	_	_	_	_	_	1.2	1.5	1.5	1.6	2.5	2.5	2.5	2.7	1.0	1.9	1.6	1.8	1.3	1.0	-0.3
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	_	_	_	_	_	2.9	2.2	2.1	2.5	4.2	5.8	6.0	3.6	3.6	2.5	2.8	3.1	4.1	1.8	-2.3
2.5–3.0	_	_	_	_	_	2.2	2.4	1.4	2.0	3.9	4.3	3.6	3.1	2.2	3.0	1.5	1.9	1.7	1.6	-0.1
3.5-4.0	_	_	_	_	_	2.2	2.9	2.6	1.5	2.8	2.4	2.9	2.1	1.7	1.7	1.2	1.1	2.1	1.4	-0.7
4.5–5.0	_	_	_	_	_	2.6	2.0	1.4	1.2	3.1	3.3	2.4	1.4	1.2	1.1	1.3	1.4	1.0	1.1	0.0
5.5-6.0 (High)	_	_	_	_	_	2.4	2.7	2.5	2.3	2.0	3.0	1.2	2.0	1.7	0.9	1.2	0.8	0.8	1.1	+0.3
Race/Ethnicity (2-year average).b																				
White	_	_	_	_	_	_	2.7	2.4	1.9	2.5	3.2	2.9	2.4	1.9	1.5	1.5	1.4	1.6	1.5	-0.1
African American	_	_	_	_	_	_	0.3	0.4	0.5	0.6	1.1	1.1	1.0	1.6	1.8	1.4	1.2	0.7	0.4	-0.3
Hispanic Source The Monitoring the Future stur							2.5	1.7	1.9	3.3	5.3	5.9	4.0	2.3	2.3	1.8	1.8	2.1	2.1	0.0

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1996; N is one half of N indicated in Table D-S1. Data based on one of four forms in 1997–2001; N is one third of N indicated in Table D-S1. Data based on two of four forms beginning in 2002; N is one half of N indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-23
Ecstasy (MDMA): Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

2008-

								Percer	itage wh	o used ir	last 12	months								2008-	2009
	1991	1992	1993	1994	1005	1006	1007	1000	1000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2000	2009	adjusted
Approximate wtd. N =	1991	1992	1993	1994	<u>1995</u>	1996 15,600	1997 15.500	1998 15,000	1999 13,600	2000 14,300	2001 14.000		<u>2003</u> 15.800	16,400	2005 16,200	16,200	2007 16,100		2009 15,900	<u>change</u>	change
Total	_				_	4.6	3.9	3.3	4.4	5.4	6.2	4.9	3.0	2.4	2.6	2.8	3.5	2.9	,	+0.7	[+0.7]
Gender:							0.0	0.0		0	0.2		0.0		2.0	2.0	0.0	2.0	0		[ ]
Male	_	_	_	_	_	4.9	4.7	3.5	4.7	5.7	7.6	4.3	2.8	2.4	2.6	3.3	3.7	3.4	3.7	+0.3	
Female	_	_	_	_	_	4.2	3.1	2.9	4.2	4.8	4.9	5.2	3.2	2.4	2.5	2.2	3.1	2.4		+1.1 s	
College Plans:																					
None or under 4 years	_	_	_	_	_	7.7	7.5	5.4	8.5	10.7	13.6	10.1	5.7	5.4	5.6	6.9	7.4	7.5	8.6	+1.1	
Complete 4 years	_	_	_	_	_	4.0	3.3	2.9	3.7	4.5	5.1	4.1	2.6	2.0	2.2	2.2	3.0	2.3	3.1	+0.8 s	
Region:																					
Northeast	_	_	_	_	_	4.4	3.0	3.8	7.0	6.4	8.2	4.4	2.7	2.6	2.2	2.2	2.9	2.0	2.0	0.0	
Midwest	_	_	_	_	_	3.6	3.2	2.2	2.3	5.2	4.8	4.6	2.5	1.9	3.0	2.8	3.5	2.0	2.8	+0.8	
South	_	_	_	_	_	5.6	5.0	4.1	4.1	5.2	5.9	5.1	3.8	2.6	2.6	3.0	3.6	2.8	3.2	+0.4	
West	_	_	_	_	_	4.1	3.7	2.7	4.4	5.0	6.8	5.2	3.0	2.7	2.5	3.0	3.8	4.5	6.8	+2.3 s	
Population Density:																					
Large MSA	_	_	_	_	_	5.6	4.0	2.5	5.2	7.0	7.3	5.1	2.4	1.8	3.0	2.9	3.0	3.8	3.3	-0.5	
Other MSA	_	_	_	_	_	4.6	3.6	4.1	4.7	5.3	5.5	5.2	3.1	3.1	2.5	2.7	3.7	2.7	4.0	+1.2 s	
Non-MSA	_	_	_	_	_	3.3	4.2	2.7	2.8	3.7	6.3	3.7	3.8	2.0	2.3	2.8	3.8	2.0	3.5	+1.5	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	_	_	_	_	_	4.8	3.0	1.9	3.7	7.0	7.2	5.8	2.4	3.3	4.4	3.8	4.3	4.8	6.0	+1.3	
2.5–3.0	_	_	_	_	_	4.7	3.9	3.1	4.4	4.9	6.5	5.5	3.8	3.3	2.8	2.9	4.7	3.5	4.8	+1.3	
3.5–4.0	_	_	_	_	_	4.7	5.2	4.3	4.0	6.3	7.0	5.5	3.5	2.1	3.3	2.5	3.2	3.2	3.8	+0.5	
4.5–5.0	_	_	_	_	_	4.2	2.5	2.9	4.3	5.0	5.3	3.9	2.7	2.3	2.2	2.7	3.2	2.0	2.5	+0.4	
5.5-6.0 (High)	_	_	_	_	_	5.3	4.0	4.4	5.6	4.8	5.8	4.6	2.3	1.4	1.4	3.3	2.8	2.1	3.4	+1.3	
Race/Ethnicity (2-year average).b																					
White	_	_	_	_	_	_	4.8	4.0	4.4	5.3	6.0	6.2	4.6	3.1	2.7	2.9	3.5	3.4	2.9	-0.5	
African American	_	_	_	_	_	_	8.0	1.2	1.3	1.5	2.2	1.8	1.5	0.9	0.6	1.0	1.3	1.3		+0.2	
Hispanic	_		_	_	_		3.6	2.3	2.4	4.6	5.4	4.3	3.4	3.0	4.3	3.9	2.7	3.8	5.6	+1.8	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1996; N is one half of N indicated in Table D-S2. Data based on one of four forms in 1997–2001; N is one third of N indicated in Table D-S2. Data based on two of four forms beginning in 2002; N is one half of N indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-24
Ecstasy (MDMA): Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

							Percer	tage wh	o used ir	last 12	months							2008-
	1975-	1980-	1990-															2009
	<u>1979</u>	<u>1989</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	<u>change</u>
Approximate wtd. N =	_	_	_	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	,	14,200	14,500	14,000	13,700	
Total	_	_	_	4.6	4.0	3.6	5.6	8.2	9.2	7.4	4.5	4.0	3.0	4.1	4.5	4.3	4.3	0.0
Gender:																		
Male	_	_	_	4.8	5.6	4.8	5.6	8.1	10.5	8.2	4.8	4.7	3.3	4.3	5.0	5.5	5.5	+0.1
Female	_	_	_	4.2	2.5	2.7	5.6	8.2	8.0	6.4	4.0	3.2	2.7	4.0	4.1	3.3	3.2	-0.1
College Plans:																		
None or under 4 years	_	_	_	6.9	3.8	4.7	4.2	8.5	9.8	8.9	6.5	5.3	3.7	6.0	6.5	7.2	6.1	-1.1
Complete 4 years	_	_	_	4.0	3.9	3.3	6.2	8.0	8.7	7.1	3.9	3.6	2.8	3.7	3.9	3.7	3.9	+0.2
Region:																		
Northeast	_	_	_	6.3	6.9	3.7	9.4	8.8	10.1	10.3	5.1	3.5	3.0	2.9	4.3	2.9	3.8	+0.9
Midwest	_	_	_	3.7	1.3	2.7	3.3	5.7	11.8	5.0	4.7	3.0	3.0	3.4	4.4	2.8	4.5	+1.7
South	_	_	_	4.6	4.3	4.0	5.7	5.9	5.7	7.9	4.2	5.1	3.4	4.9	4.6	4.6	3.8	-0.8
West	_	_	_	3.9	4.1	4.0	5.0	14.4	10.3	6.8	4.2	3.8	2.5	4.6	4.7	6.6	5.2	-1.4
Population Density:																		
Large MSA	_	_	_	3.6	3.6	3.2	6.1	8.7	10.9	8.4	4.3	4.0	3.5	6.1	5.8	4.7	4.1	-0.6
Other MSA	_	_	_	5.1	4.6	4.3	6.1	8.4	9.7	8.1	5.0	4.5	3.2	3.1	4.0	4.8	4.7	-0.1
Non-MSA	_	_	_	4.5	3.4	2.7	4.2	7.4	6.4	4.6	4.0	2.8	2.1	3.1	3.7	2.8	3.5	+0.7
Parental Education: <sup>a</sup>																		
1.0-2.0 (Low)	_	_	_	5.5	3.5	4.2	6.8	7.3	3.8	4.8	4.1	4.6	3.0	3.8	4.7	4.0	6.2	+2.2
2.5-3.0	_	_	_	5.0	3.1	3.2	5.1	7.7	10.3	8.0	3.8	3.7	3.9	3.6	4.9	4.0	2.5	-1.5
3.5-4.0	_	_	_	4.9	3.8	3.2	5.7	6.2	8.4	7.5	5.7	4.6	2.8	3.9	4.4	5.3	4.6	-0.7
4.5–5.0	_	_	_	4.0	2.9	4.3	6.2	8.3	11.2	7.3	5.0	3.8	3.2	5.1	4.1	3.6	4.9	+1.3
5.5-6.0 (High)	_	_	_	4.1	8.7	3.5	4.7	10.6	8.1	7.6	3.3	3.1	2.0	3.6	4.6	4.1	4.0	-0.2
Race/Ethnicity (2-year average):b																		
White	_	_	_	_	5.2	4.7	5.1	7.6	9.6	8.5	6.4	4.7	3.9	4.0	4.9	4.8	4.6	-0.3
African American	_	_	_	_	0.4	0.4	0.5	1.3	2.4	1.7	1.4	1.6	1.4	1.8	2.1	2.2	2.4	+0.2
Hispanic				_	2.8	2.7	6.0	10.6	10.2	7.0	5.3	3.7	3.0	3.0	3.3	3.2	3.9	+0.7

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of six forms in 1996–2001; N is one sixth of N indicated in Table D-S3. Data based on two of six forms beginning in 2002; N is two sixths of N indicated in Table D-S3.

 ${\it Caution:} \ \ {\it Limited sample sizes (see "Notes" above)}. \ \ {\it Use caution in interpreting subgroup trends}.$ 

<sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-25
Salvia: Annual Prevalence of Use by Subgroups in Grade 12, 2009

	Percentage who used in last 12 months
Approximate weighted N =	4,600
Total	5.7
Gender:	
Male	9.3
Female	2.3
College Plans:	
None or under 4 years	7.4
Complete 4 years	5.2
Region:	
Northeast	7.1
Midwest	5.0
South	4.8
West	6.9
Population Density:	
Large MSA	7.8
Other MSA	5.0
Non-MSA	4.6
Parental Education. <sup>a</sup>	
1.0-2.0 (Low)	5.8
2.5–3.0	4.6
3.5-4.0	6.2
4.5–5.0	5.5
5.5-6.0 (High)	7.0
Race/Ethnicity (2-year average).b	
White	_
African American	_
Hispanic	_

Notes. "—" indicates data not available.

See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data for 12th graders based on two of six forms; *N* is two sixths of *N* indicated in Table D-S3.

Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>Results for the three racial/ethnic groups are not presented because only limited numbers of cases are available in the first year in which a drug is introduced to the study.

TABLE D-26 Cocaine: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

								Percer	tage wh	o used ir	last 12	months								2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change
Approximate wtd. N =		18.600	18.300		17.500	17.800	18.600	18.100	16.700	16.700	16.200	15.100		17,000	16.800	16.500	16.100	15.700	15.000	change
Total	1.1	1.5	1.7	2.1	2.6	3.0	2.8	3.1	2.7	2.6	2.5	2.3	2.2	2.0	2.2	2.0	2.0	1.8	1.6	-0.2
Gender:																				
Male	1.4	1.5	1.9	2.1	2.5	2.7	3.1	2.9	2.8	2.6	2.4	2.2	1.9	1.7	2.0	1.9	1.7	1.8	1.4	-0.3
Female	0.9	1.5	1.5	2.1	2.6	3.1	2.5	3.1	2.7	2.6	2.6	2.3	2.3	2.3	2.3	2.1	2.2	1.8	1.7	-0.2
College Plans:																				
None or under 4 years	3.2	4.8	5.4	6.6	7.0	7.9	7.5	9.4	8.1	7.5	7.0	7.2	7.1	6.8	6.1	7.1	6.5	6.9	6.4	-0.5
Complete 4 years	0.8	1.0	1.1	1.5	2.0	2.2	2.2	2.3	2.0	2.0	2.0	1.8	1.6	1.5	1.8	1.5	1.5	1.3	1.2	-0.2
Region:																				
Northeast	1.3	0.8	1.0	2.2	2.2	2.6	2.4	1.9	2.2	1.6	1.9	1.6	1.6	1.9	1.8	1.3	1.2	1.2	1.4	+0.2
Midwest	0.9	1.4	1.0	1.2	2.6	2.9	2.6	2.7	2.6	2.9	2.3	2.3	2.0	1.6	2.0	1.3	1.6	1.9	1.8	-0.1
South	1.1	1.7	2.1	2.5	2.4	2.7	2.6	3.8	3.1	2.2	3.2	2.6	2.5	2.1	2.4	2.9	2.3	2.2	1.2	-0.9 s
West	1.5	2.0	2.7	2.3	3.3	3.7	3.7	3.3	2.7	3.7	2.4	2.4	2.3	2.4	2.4	1.9	2.2	1.6	2.1	+0.4
Population Density:																				
Large MSA	1.1	1.4	1.3	1.9	2.4	2.8	2.4	2.3	2.1	2.3	2.1	2.0	1.7	2.2	2.2	1.9	1.9	2.0	1.1	-0.9
Other MSA	1.1	1.7	2.2	2.5	2.8	3.2	2.9	3.3	2.8	2.5	2.8	2.3	2.2	2.1	2.2	2.0	2.1	1.7	1.9	+0.3
Non-MSA	1.2	1.3	1.2	1.4	2.4	2.7	3.0	3.4	3.2	3.1	2.5	2.6	2.7	1.7	2.2	2.2	1.8	1.7	1.4	-0.3
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	2.4	3.2	2.9	3.5	4.9	3.9	4.7	6.3	5.6	5.3	4.4	3.7	4.1	3.3	4.2	4.4	3.8	3.6	3.9	+0.3
2.5–3.0	1.4	1.6	2.0	2.3	2.4	3.3	3.0	3.3	3.1	2.9	2.8	2.8	2.4	2.5	2.9	2.2	2.2	2.3	1.8	-0.5
3.5-4.0	0.7	1.2	1.8	2.1	2.8	3.3	2.8	3.1	2.8	2.5	2.4	2.2	2.2	2.0	2.5	2.0	1.8	1.8	1.5	-0.3
4.5–5.0	0.7	1.0	1.0	1.6	1.9	2.7	2.6	2.2	1.7	1.8	2.1	2.0	1.5	1.8	1.5	1.4	1.4	1.2	8.0	-0.4
5.5-6.0 (High)	1.2	1.5	1.1	1.9	2.5	2.5	2.3	2.5	2.5	2.2	1.6	1.5	2.0	1.2	1.2	1.5	1.3	1.4	1.5	+0.1
Race/Ethnicity (2-year average): <sup>b</sup>																				
White	_	1.2	1.3	1.6	2.3	2.8	3.0	2.8	2.6	2.5	2.5	2.4	2.2	1.9	1.8	1.9	1.7	1.6	1.5	-0.1
African American	_	0.7	0.7	0.7	0.6	0.6	0.5	0.7	0.8	0.8	0.8	8.0	0.9	1.0	1.0	0.9	0.9	0.8	8.0	0.0
Hispanic	_	3.1	4.0	4.5	4.7	4.8	4.3	5.2	5.9	4.7	4.2	4.1	3.8	3.6	3.6	3.5	3.8	3.5	2.8	-0.8

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

b To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

TABLE D-27 Cocaine: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

																	2008-				
								Percen	tage wh	o used ir	last 12	months								2008-	2009
	1991	1992	1993	1994	1995	1996	1997	1000	1000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2000	2009	adjusted
Approximate wtd. N =		1992 14.800	15,300	15.800	17.000	15,600	15,500	<u>1998</u> 15,000	1999 13.600	2000 14,300	<u>2001</u> 14.000	2002 14,300	<u>2003</u> 15.800	2004 16,400	16,200	2006 16,200	2007 16,100	<u>2006</u> 15.100	2009 15,900	<u>change</u>	<u>change</u>
Total	2.2	1.9	2.1	2.8	3.5	4.2	4.7	4.7	4.9	4.4	3.6	4.0	3.3	3.7	3.5	3.2	3.4	3.0	2.7	-0.3	[-0.5]
Gender:	2.2	1.5	2.1	2.0	5.5	7.2	7.7	7.7	4.5	7.7	5.0	4.0	0.0	5.7	0.0	5.2	0.4	3.0	2.1	0.5	[-0.5]
Male	2.2	2.0	2.5	3.1	3.5	4.5	4.7	4.9	5.2	4.7	3.8	4.2	3.3	3.9	3.6	3.2	3.6	3.0	2.8	-0.2	
Female	2.2	1.7	1.6	2.5	3.3	4.0	4.6	4.4	4.6	4.1	3.2	3.9	3.2	3.4	3.3	3.1	3.3	2.8	2.4	-0.4	
College Plans:																•				• • •	
None or under 4 years	4.7	4.0	5.1	6.6	7.2	10.0	10.4	10.7	11.6	9.7	9.1	10.1	8.3	9.4	8.8	9.0	8.6	8.7	8.5	-0.2	
Complete 4 years	1.7	1.4	1.4	2.0	2.8	3.2	3.7	3.6	3.8	3.5	2.7	3.1	2.4	2.9	2.8	2.4	2.8	2.2	2.0	-0.1	
Region:																					
Northeast	1.5	1.0	2.0	2.4	2.5	3.0	3.0	4.9	4.6	3.1	2.3	2.4	3.1	3.4	3.6	2.5	2.9	2.0	2.4	+0.4	
Midwest	1.7	1.7	1.4	2.2	2.9	4.1	4.0	3.7	4.4	4.6	3.4	3.6	2.7	3.2	3.4	3.2	3.6	2.5	2.4	-0.1	
South	2.0	1.8	1.9	2.6	3.5	4.2	5.4	4.3	5.2	4.2	3.8	3.8	3.5	3.5	2.9	3.2	3.5	3.5	2.4	-1.2	
West	3.6	3.2	3.7	4.7	5.3	5.9	6.4	6.4	5.3	5.7	4.9	6.5	3.7	4.8	4.4	3.8	3.6	3.3	3.6	+0.2	
Population Density:																					
Large MSA	1.9	1.6	1.6	2.3	3.4	3.8	4.5	4.3	4.1	4.3	3.2	3.6	2.5	3.3	3.3	2.8	3.3	2.8	2.4	-0.4	
Other MSA	2.7	2.1	2.3	3.1	3.5	4.7	4.3	4.7	5.1	4.2	3.7	4.4	3.2	3.8	3.4	3.2	3.4	3.3	3.1	-0.2	
Non-MSA	1.6	1.7	2.1	2.7	3.6	3.7	5.7	5.2	5.4	4.7	3.8	3.8	4.6	3.9	3.8	3.8	3.7	2.4	2.2	-0.2	
Parental Education: <sup>a</sup>																					
1.0–2.0 (Low)	3.3	3.5	3.2	3.8	5.3	7.4	6.3	8.1	8.2	7.7	5.6	7.9	7.0	6.5	5.3	6.5	6.4	6.8	6.0	-0.8	
2.5–3.0	2.4	1.7	2.2	2.9	4.3	4.5	5.0	5.5	5.9	5.4	5.2	4.8	3.9	4.2	4.6	4.1	3.9	3.5	3.3	-0.2	
3.5–4.0	2.4	2.1	2.5	3.2	3.7	4.3	5.4	4.4	4.7	4.4	2.9	3.8	3.4	4.0	3.4	2.9	3.5	2.7	2.7	0.0	
4.5–5.0	1.6	1.4	1.6	2.1	2.6	3.4	3.7	3.5	3.9	3.2	2.7	2.4	2.2	3.0	2.8	2.0	2.5	2.2	1.6	-0.7	
5.5–6.0 (High)	1.9	1.5	1.1	1.9	1.9	3.4	3.3	3.2	3.9	2.9	2.0	3.2	1.6	1.8	2.4	3.0	2.5	1.6	2.0	+0.4	
Race/Ethnicity (2-year average).b																					
White	_	2.1	2.0	2.2	3.0	3.8	4.4	4.7	4.9	4.7	3.9	3.9	3.9	3.7	3.7	3.5	3.5	3.2	2.6	-0.6	
African American	_	0.6	0.6	1.0	0.9	0.7	0.8	1.0	0.9	0.6	0.8	1.0	0.9	0.8	1.0	1.0	0.8	0.8	0.9	+0.1	
Hispanic	_	3.7	3.7	4.9	5.5	7.0	8.5	8.3	8.2	8.0	6.6	6.0	6.1	5.8	6.4	5.9	4.9	5.2	5.2	0.0	

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-28 Cocaine: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

							Percer	ntage wh	o used ir	ı last 12 ı	months							
	<u>1975</u>	<u>1976</u>	<u>1977</u>	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	<u>1991</u>	Cont.
Approximate wtd. N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	
Total	5.6	6.0	7.2	9.0	12.0	12.3	12.4	11.5	11.4	11.6	13.1	12.7	10.3	7.9	6.5	5.3	3.5	
Gender:																		
Male	7.5	7.5	9.3	11.4	14.6	14.8	13.8	13.1	13.2	13.8	14.8	14.3	11.3	9.1	8.1	6.6	4.1	
Female	3.9	4.4	4.9	6.5	9.3	9.8	10.4	9.6	9.3	9.1	11.2	10.9	9.2	6.5	4.9	3.8	2.6	
College Plans:																		
None or under 4 years	_	6.6	8.1	9.5	13.7	13.2	12.4	12.5	12.2	13.2	14.7	15.7	12.4	9.7	9.3	7.8	4.9	
Complete 4 years	_	5.0	5.5	7.7	9.5	10.8	11.5	9.9	9.9	9.7	11.4	10.4	9.0	6.7	5.3	4.1	2.8	
Region:																		
Northeast	5.3	6.6	7.9	11.8	13.8	14.2	16.8	16.9	15.2	19.5	20.8	17.9	13.3	9.1	7.3	6.5	3.8	
Midwest	5.1	5.5	6.3	8.5	10.5	10.9	9.4	9.0	8.0	5.8	8.2	10.1	7.5	6.1	5.3	4.1	3.2	
South	5.4	5.1	6.0	6.8	8.5	7.8	6.8	6.3	7.7	7.7	7.5	7.1	7.0	6.2	6.0	4.8	3.0	
West	7.8	7.9	10.2	10.7	18.6	20.6	22.1	17.9	19.2	19.3	19.7	20.0	16.4	12.1	8.5	6.6	4.4	
Population Density:																		
Large MSA	7.3	8.6	8.6	12.3	16.6	18.7	17.5	17.2	16.9	16.8	18.8	18.8	12.9	9.3	6.4	5.6	4.1	
Other MSA	5.9	5.8	7.3	8.9	11.7	11.3	11.5	10.1	11.2	11.0	12.4	12.0	10.1	8.5	7.1	5.4	3.7	
Non-MSA	4.3	4.3	5.8	6.4	8.9	8.9	9.4	8.5	7.3	8.3	9.2	9.0	8.1	5.3	5.4	4.8	2.5	
Parental Education: <sup>a</sup>																		
1.0-2.0 (Low)	4.5	5.3	5.5	6.3	8.4	9.0	8.3	7.6	9.0	9.4	12.0	10.5	8.7	7.6	6.7	4.7	3.5	
2.5–3.0	4.6	6.1	6.8	8.7	11.1	11.2	10.5	11.0	9.8	10.9	12.7	12.9	9.9	7.4	6.4	5.6	3.8	
3.5-4.0	4.5	5.9	7.2	9.0	13.2	13.3	13.3	12.5	11.7	12.2	14.0	13.6	11.2	7.2	6.4	5.6	3.7	
4.5–5.0	6.3	7.6	8.1	10.4	14.0	13.6	14.9	13.6	13.1	12.2	13.7	12.2	10.0	8.7	7.1	4.4	3.1	
5.5-6.0 (High)	5.2	7.1	9.5	11.6	15.2	16.3	16.2	13.8	15.1	13.4	11.9	12.5	10.8	8.1	5.8	5.5	2.4	
Race/Ethnicity (2-year average):b																		
White	_	_	6.5	8.3	10.9	12.8	13.0	12.6	11.8	11.9	13.0	13.5	12.0	9.6	7.6	6.3	4.6	
African American	_	_	4.8	4.6	4.6	5.2	4.8	5.2	7.2	6.3	5.3	5.8	4.8	3.8	2.9	1.7	1.5	
Hispanic	_	_	7.2	7.5	8.9	11.2	12.4	12.1	11.4	13.3	16.3	16.7	14.0	9.9	7.8	7.4	6.1	

TABLE D-28 (cont.)
Cocaine: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

							Pe	rcentage	who use	ed in last	12 mont	hs							2008-
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009
Approximate wtd. N =		16.300	15.400	15.400	14.300	15.400	15.200	13.600	<u>2000</u> 12.800	12.800	<u>2002</u> 12.900	<u>2003</u> 14.600	<u>2004</u> 14.600	<u>2005</u> 14.700	<u>2006</u> 14.200	<u>2007</u> 14.500	<u>2006</u> 14.000	<u>2009</u> 13.700	<u>change</u>
Total	3.1	3.3	3.6	4.0	4.9	5.5	5.7	6.2	5.0	4.8	5.0	4.8	5.3	5.1	5.7	5.2	4.4	3.4	-1.0 s
Gender:	3.1	0.0	5.0	4.0	4.5	0.0	5.7	0.2	3.0	4.0	5.0	4.0	0.0	5.1	5.1	5.2	7.7	5.4	1.0 3
Male	3.7	4.0	4.5	4.8	6.0	6.6	6.8	7.3	5.8	5.4	5.9	5.9	6.5	5.8	6.0	5.9	5.2	4.1	-1.2
Female	2.4	2.3	2.8	3.1	3.5	4.2	4.5	5.0	3.9	4.1	4.0	3.7	4.1	4.2	5.2	4.4	3.5	2.7	-0.8
College Plans:	2.4	2.0	2.0	0.1	0.0	7.2	4.0	3.0	0.0	4.1	4.0	5.7	4.1	7.2	5.2	7.7	0.0	2.1	0.0
None or under 4 years	5.1	4.5	5.3	5.6	7.5	8.1	9.7	9.1	7.1	8.2	8.6	6.0	8.3	7.5	8.1	8.8	7.4	5.4	-2.0
Complete 4 years	2.4	2.8	3.0	3.4	4.0	4.4	4.5	5.4	4.2	3.7	3.9	4.2	4.3	4.4	5.1	4.4	3.6	2.8	-0.8
Region:	2.7	2.0	0.0	0.1	1.0	-11	1.0	0.1	7.2	0.1	0.0	7.2	1.0		0.1	-11	0.0	2.0	0.0
Northeast	2.8	3.1	3.1	3.8	5.5	6.6	5.9	4.3	4.1	4.8	5.0	5.2	5.0	4.7	6.7	6.0	4.5	2.8	-1.7
Midwest	2.5	2.4	3.7	3.4	3.8	4.7	5.8	6.2	4.8	5.7	5.2	3.9	4.2	5.0	4.2	5.0	3.2	3.6	+0.3
South	3.2	3.1	3.4	3.6	4.6	4.8	5.8	6.9	4.7	3.9	5.0	4.7	5.4	5.3	6.4	5.2	4.8	3.2	-1.6 s
West	4.3	4.9	4.5	5.8	6.1	6.8	5.4	6.9	6.3	5.0	4.6	5.8	7.0	5.0	5.5	4.8	4.9	3.9	-1.0
Population Density:	4.0	4.0	4.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	1.0	0.0	7.0	0.0	0.0	1.0	1.0	0.0	1.0
Large MSA	3.6	2.7	3.3	4.4	4.8	4.7	5.4	5.0	4.1	4.3	4.1	3.8	4.7	5.2	7.4	5.0	4.4	3.4	-1.0
Other MSA	3.3	3.9	4.1	3.9	4.9	5.6	5.8	6.6	4.9	5.0	5.4	5.7	5.8	5.2	4.8	5.4	4.3	3.3	-1.0
Non-MSA	2.4	2.7	3.2	3.9	4.9	6.0	6.0	6.9	6.1	5.2	5.3	4.6	5.0	4.7	4.9	5.3	4.5	3.6	-1.0
Parental Education: <sup>a</sup>									•					•••					
1.0–2.0 (Low)	3.9	3.5	4.1	4.8	5.3	6.5	6.9	9.0	6.2	5.7	6.6	4.8	7.3	4.3	6.1	6.2	4.7	4.1	-0.6
2.5–3.0	3.3	3.0	4.0	3.9	5.0	5.5	6.3	6.0	4.6	6.0	5.3	4.1	5.2	6.6	6.3	5.9	4.0	3.6	-0.4
3.5–4.0	3.0	3.8	3.8	4.2	5.0	5.6	6.0	6.8	5.0	4.8	5.3	5.2	5.3	5.2	5.7	5.5	4.9	3.4	-1.5 s
4.5–5.0	2.9	3.0	3.1	3.7	4.8	5.2	5.0	5.4	5.3	4.4	4.2	4.7	5.2	4.3	5.1	4.9	4.0	3.2	-0.8
5.5–6.0 (High)	2.6	2.4	3.3	3.4	4.3	4.4	4.4	5.2	3.9	2.6	4.3	4.4	4.3	4.1	5.7	4.0	4.1	2.5	-1.7
Race/Ethnicity (2-year average): <sup>b</sup>																			
White	3.3	3.1	3.5	4.0	4.5	5.5	6.3	6.7	6.2	5.5	5.7	5.6	5.6	5.6	5.8	6.1	5.6	4.4	-1.2
African American	1.2	0.8	0.9	1.0	0.8	0.9	0.9	0.9	1.0	1.0	0.9	1.1	1.2	1.2	1.6	1.3	0.8	0.7	-0.1
Hispanic	5.2	5.8	5.4	5.5	7.3	7.6	6.7	7.5	7.6	6.1	5.5	4.9	5.5	6.2	6.5	6.0	4.7	4.0	-0.8

 $\label{eq:Source.} \textit{Source.} \ \ \textit{The Monitoring the Future study, the University of Michigan.}$ 

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "--" indicates data not available. Any apparent inconsistency between the change

estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-29
Crack: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

								Percer	tage wh	o used in	last 12	months								2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change
Approximate wtd. N =		18,600	18,300		17,500	17,800	18,600	18,100			16,200			17,000	16,800	16,500	16,100	15,700	15,000	
Total	0.7	0.9	1.0	1.3	1.6	1.8	1.7	2.1	1.8	1.8	1.7	1.6	1.6	1.3	1.4	1.3	1.3	1.1	1.1	0.0
Gender:																				
Male	0.8	0.9	1.1	1.3	1.5	1.7	1.8	2.1	1.8	1.7	1.6	1.6	1.3	1.1	1.3	1.2	1.2	1.0	0.9	0.0
Female	0.5	0.9	0.9	1.2	1.6	1.9	1.5	2.1	1.8	1.8	1.8	1.6	1.7	1.5	1.5	1.3	1.5	1.2	1.2	-0.1
College Plans:																				
None or under 4 years	2.0	2.9	3.4	4.6	4.2	4.9	4.7	7.5	5.3	5.2	4.4	5.7	5.8	4.9	3.3	4.4	4.1	4.3	4.8	+0.5
Complete 4 years	0.4	0.6	0.6	0.8	1.3	1.3	1.3	1.5	1.4	1.4	1.4	1.2	1.1	1.0	1.2	1.0	1.1	0.8	8.0	-0.1
Region:																				
Northeast	0.5	0.4	0.4	1.4	1.4	1.7	1.6	1.2	1.5	1.2	1.2	1.2	1.3	1.2	0.9	0.9	0.8	8.0	1.0	+0.2
Midwest	0.6	1.0	0.8	0.9	1.4	1.9	1.6	1.9	1.9	1.9	1.7	1.5	1.3	1.2	1.4	0.7	1.1	1.2	1.2	0.0
South	0.7	1.0	1.2	1.6	1.4	1.7	1.4	2.5	1.9	1.4	2.0	1.7	1.8	1.3	1.5	1.8	1.5	1.2	0.7	-0.5 s
West	8.0	1.3	1.4	1.3	2.3	2.1	2.3	2.6	1.8	2.9	1.7	2.0	1.8	1.8	1.6	1.3	1.8	1.2	1.7	+0.5
Population Density:																				
Large MSA	0.5	0.8	0.7	1.3	1.5	1.8	1.5	1.6	1.2	1.6	1.4	1.5	1.2	1.5	1.5	1.3	1.1	1.4	8.0	-0.6 s
Other MSA	0.7	1.1	1.2	1.5	1.7	2.0	1.8	2.2	2.0	1.8	1.8	1.6	1.7	1.3	1.3	1.1	1.6	1.0	1.3	+0.3
Non-MSA	0.8	0.8	0.9	1.0	1.4	1.7	1.7	2.6	2.1	2.0	1.8	1.8	1.7	1.2	1.4	1.6	1.2	1.0	0.9	0.0
Parental Education: <sup>a</sup>																				
1.0-2.0 (Low)	1.7	2.2	1.8	2.8	3.0	2.7	3.0	5.0	3.6	3.7	3.2	3.1	3.3	2.2	3.1	3.0	2.9	2.8	3.3	+0.5
2.5–3.0	0.7	0.8	1.0	1.4	1.2	2.1	2.0	2.2	2.0	2.1	1.8	2.1	1.7	1.7	1.8	1.5	1.4	1.6	0.9	-0.8 s
3.5-4.0	0.4	0.7	1.2	0.9	1.7	2.0	1.4	2.1	2.0	1.8	1.3	1.4	1.6	1.3	1.6	1.2	1.3	8.0	1.0	+0.2
4.5–5.0	0.4	0.6	0.5	1.1	1.3	1.5	1.5	1.6	1.0	1.0	1.5	1.2	1.0	1.1	0.9	0.9	0.9	0.7	0.6	-0.2
5.5-6.0 (High)	8.0	1.0	0.6	1.4	1.6	1.5	1.5	1.6	1.9	1.8	1.3	1.3	1.3	1.0	0.6	1.0	1.0	0.9	1.1	+0.2
Race/Ethnicity (2-year average).b																				
White	_	0.7	0.8	1.0	1.4	1.7	1.7	1.7	1.8	1.7	1.7	1.5	1.5	1.3	1.2	1.1	1.0	1.0	8.0	-0.2
African American	_	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.6	0.7	8.0	8.0	0.6	0.6	0.5	0.7	+0.1
Hispanic	_	1.9	2.0	2.1	2.7	3.0	2.8	3.6	3.9	2.9	2.6	2.7	2.8	2.6	2.5	2.6	2.7	2.5	2.2	-0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-30 Crack: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

2008-

								Percen	tage wh	o used ir	last 12	months								2008-	2009
	4004	4000	4000	4004	4005	4000	4007	4000	4000	2000	0004	0000	0000	0004	0005	2000	0007	0000	2000	2009	adjusted
Approximate wtd. N =	1991 14 800	<u>1992</u> 14,800	1993 15,300	1994 15.800	<u>1995</u> 17.000	<u>1996</u> 15,600	1997 15,500	<u>1998</u> 15,000	1999 13,600	2000 14,300	2001 14,000	2002 14,300	2003 15.800	2004 16,400	2005 16,200	2006 16,200	2007 16.100	2008 15.100	2009 15,900	<u>change</u>	<u>change</u>
Total	0.9	0.9	1.1	1.4	1.8	2.1	2.2	2.5	2.4	2.2	1.8	2.3	1.6	1.7	1.7	1.3	1.3	1.3	1.2	-0.1	[-0.2]
Gender:	0.5	0.9	1.1	1.4	1.0	2.1	2.2	2.5	2.4	2.2	1.0	2.5	1.0	1.7	1.7	1.5	1.5	1.5	1.2	-0.1	[-0.2]
Male	0.9	0.9	1.3	1.6	1.9	2.1	2.3	2.7	2.5	2.3	1.9	2.5	1.6	1.8	1.6	1.3	1.5	1.3	1.1	-0.2	
Female	0.8	0.9	0.7	1.0	1.6	2.1	2.2	2.2	2.3	2.1	1.7	2.2	1.6	1.5	1.7	1.2	1.1	1.2	1.2	0.0	
College Plans:	0.0	0.5	0.7	1.0	1.0	2.1	2.2	2.2	2.0	2.1	1.7	2.2	1.0	1.0	1.7	1.2		1.2	1.2	0.0	
None or under 4 years	2.4	2.1	2.7	3.4	3.7	5.0	4.9	6.0	5.5	5.2	4.7	5.6	4.5	4.6	4.8	3.7	3.8	3.9	4.1	+0.3	
Complete 4 years	0.6	0.6	0.7	0.9	1.5	1.5	1.8	1.9	1.8	1.7	1.4	1.8	1.1	1.2	1.3	1.0	1.0	0.9	0.9	-0.1	
Region:	0.0	0.0	0	0.0														0.0	0.0	0	
Northeast	0.5	0.4	1.1	1.4	1.1	1.4	1.5	2.6	2.5	1.7	1.0	1.4	1.3	1.4	1.8	0.9	1.1	1.0	1.2	+0.1	
Midwest	0.9	0.9	0.8	1.0	1.5	2.2	2.1	2.1	2.1	1.8	1.8	2.2	1.4	1.5	1.4	1.3	1.1	1.1		+0.3	
South	1.0	0.8	0.9	1.3	1.9	2.0	2.0	1.9	2.0	1.9	1.7	1.7	1.7	1.4	1.3	1.2	1.4	1.1	0.8	-0.3	
West	1.1	1.4	1.7	1.9	2.8	2.8	3.8	3.9	3.2	3.8	3.3	4.4	2.0	2.6	2.5	1.7	1.6	1.8	1.5	-0.3	
Population Density:																					
Large MSA	0.9	0.8	0.7	0.9	1.9	1.7	2.3	2.2	2.2	2.4	1.9	2.2	1.2	1.5	1.8	1.3	1.3	1.1	0.8	-0.3	
Other MSA	0.9	0.9	1.1	1.5	1.6	2.4	1.7	2.4	2.3	2.0	1.8	2.5	1.7	1.8	1.5	1.1	1.3	1.4	1.5	+0.1	
Non-MSA	0.9	0.9	1.2	1.6	2.3	1.9	3.3	3.1	2.8	2.5	1.8	2.2	2.1	1.7	1.9	1.6	1.3	1.2	1.0	-0.2	
Parental Education: <sup>a</sup>																					
1.0-2.0 (Low)	1.3	1.7	1.8	1.9	3.0	3.9	3.4	4.5	3.4	4.8	3.0	3.9	2.9	3.5	2.6	3.9	3.8	3.3	2.5	-0.8	
2.5–3.0	1.0	0.8	1.0	1.1	2.4	2.5	2.4	3.1	2.9	2.9	2.5	2.6	1.8	1.9	2.5	1.6	1.6	1.3	1.6	+0.3	
3.5–4.0	0.9	1.0	1.4	1.5	1.7	1.9	2.6	2.0	2.5	2.2	1.4	2.2	1.6	1.6	1.4	1.0	0.9	1.1	1.3	+0.2	
4.5–5.0	0.7	0.6	0.7	1.0	1.3	1.4	1.8	2.0	1.9	1.1	1.6	1.4	1.3	1.4	1.3	0.8	0.9	1.0	0.7	-0.3	
5.5–6.0 (High)	0.7	0.9	0.5	1.1	1.1	1.8	1.2	1.8	1.8	1.4	1.2	2.2	0.8	0.8	1.0	1.0	0.7	0.7	0.6	-0.1	
Race/Ethnicity (2-year average).b																					
White	_	0.9	0.9	1.1	1.5	1.9	2.2	2.3	2.4	2.2	1.8	2.0	2.0	1.6	1.5	1.4	1.2	1.1	1.0	-0.1	
African American	_	0.3	0.4	0.8	0.6	0.4	0.4	0.5	0.5	0.5	0.7	8.0	0.6	0.4	0.6	0.6	0.5	0.5	0.5	0.0	
Hispanic	_	1.5	1.7	1.9	2.5	3.7	3.7	4.1	4.4	4.0	3.7	3.6	3.5	3.1	3.6	3.1	2.3	2.4	2.5	0.0	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-31 Crack: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who used in last 12 months Cont. 1977 1978 1979 1980 1981 1986 1987 1988 1989 1990 1991 Approximate wtd. N = 15,200 16,300 16,300 16,700 15,200 15,000 Total 4.1 3.9 3.1 3.1 1.9 1.5 Gender: Male 4.2 4.6 4.0 4.3 2.3 1.8 Female 3.6 3.0 2.0 1.8 1.4 1.0 College Plans: None or under 4 years 5.2 5.1 4.1 3.8 3.5 2.3 Complete 4 years 2.8 2.7 2.3 2.7 1.2 1.1 Region: Northeast 6.0 4.0 2.3 3.3 2.0 1.3 Midwest 3.1 3.5 2.4 1.6 2.2 1.5 South 1.6 2.6 2.8 3.3 1.8 1.2 West 7.5 6.1 3.8 2.7 1.8 5.6 Population Density: Large MSA 5.9 4.7 3.9 3.4 1.6 1.2 Other MSA 3.5 3.5 3.2 3.3 2.0 1.7 Non-MSA 3.5 2.0 2.0 3.7 2.2 1.2 Parental Education: 1.0-2.0 (Low) 1.2 3.6 3.3 3.1 2.2 1.6 2.5-3.0 5.3 4.2 2.6 2.2 3.1 1.5 3.5-4.0 4.0 4.0 3.4 2.8 1.8 1.7 4.5-5.0 2.9 2.6 0.9 3.4 3.1 1.1 5.5-6.0 (High) 3.7 2.1 3.7 1.8 1.1 Race/Ethnicity (2-year average):b White 3.8 2.1 3.4 3.1 1.6 African American 2.5 1.3 1.9 2.0 1.0 5.5 3.7 3.2 4.2 Hispanic 3.4

TABLE D-31 (cont.)
Crack: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

<u>.</u>							Pe	rcentage	who use	ed in last	12 mont	:hs							2008-
	4000	4000	4004	4005	4000	4007	4000	4000	0000	0004	0000	0000	0004	2005	0000	0007	0000	2000	2009
Approximate wtd. N =	1992 15.800	1993 16.300	<u>1994</u> 15.400	<u>1995</u> 15.400	1996 14.300	<u>1997</u> 15.400	1998 15.200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003 14.600	2004 14.600	2005 14.700	2006 14.200	2007 14.500	2008 14.000	2009 13.700	<u>change</u>
Total	1.5	1.5	1.9	2.1	2.1	2.4	2.5	2.7	2.2	2.1	2.3	2.2	2.3	1.9	2.1	1.9	1.6	1.3	-0.3
Gender:							2.0				2.0		2.0						0.0
Male	1.7	1.9	2.4	2.5	2.6	3.0	3.1	2.9	2.5	2.4	2.6	2.3	2.5	2.2	2.1	2.1	1.7	1.6	-0.2
Female	1.0	1.1	1.3	1.5	1.6	1.8	2.0	2.2	1.7	1.8	1.8	1.9	1.9	1.6	1.9	1.7	1.3	1.0	-0.3
College Plans:																			
None or under 4 years	2.6	2.7	3.3	3.0	4.0	4.3	4.6	5.0	3.5	4.4	4.5	2.7	3.9	3.4	3.5	3.7	3.3	2.8	-0.5
Complete 4 years	1.0	1.2	1.4	1.7	1.6	1.7	1.9	1.9	1.7	1.5	1.7	1.8	1.7	1.6	1.7	1.5	1.1	0.9	-0.2
Region:																			
Northeast	1.3	1.2	1.5	1.6	2.1	2.6	3.0	2.4	1.8	2.0	2.0	2.0	1.7	1.5	2.5	2.1	1.8	0.6	-1.1 sss
Midwest	1.4	1.3	2.2	2.0	2.3	2.2	2.6	2.8	2.0	2.6	2.6	1.9	2.1	2.3	1.5	1.7	1.3	1.7	+0.5
South	1.2	1.5	1.6	1.7	1.7	1.8	2.0	2.3	1.8	1.2	1.9	2.0	2.2	1.8	2.1	2.2	1.6	1.2	-0.4
West	2.1	2.1	2.3	3.5	2.6	3.4	3.2	3.4	3.2	3.0	2.8	3.0	3.3	2.3	2.2	1.6	1.7	1.6	-0.1
Population Density:																			
Large MSA	1.3	1.3	1.5	2.0	2.1	2.2	2.5	2.0	1.8	1.5	1.6	1.8	2.0	1.7	2.6	1.9	1.3	1.1	-0.2
Other MSA	1.6	1.8	2.1	2.1	1.9	2.3	2.4	2.5	2.1	2.2	2.4	2.3	2.2	1.8	1.7	1.9	1.6	1.3	-0.3
Non-MSA	1.3	1.4	1.9	2.1	2.5	2.8	2.9	3.6	2.8	2.8	2.8	2.4	2.8	2.5	2.0	2.0	1.6	1.6	0.0
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	1.9	2.6	2.7	3.4	3.4	3.6	3.9	3.2	2.8	3.8	4.8	2.5	3.3	2.3	3.6	3.6	2.1	2.2	+0.1
2.5–3.0	1.9	1.6	2.2	2.3	2.4	2.5	2.8	2.8	2.1	2.6	2.2	1.6	2.9	2.4	2.4	2.2	1.4	0.9	-0.5
3.5–4.0	1.3	1.5	1.8	1.7	2.2	2.0	2.4	3.0	2.2	1.8	2.3	2.3	1.9	2.0	2.0	1.9	1.6	1.4	-0.2
4.5–5.0	1.0	1.4	1.1	1.9	1.6	2.5	2.1	2.2	1.8	1.9	1.7	2.2	1.8	1.5	1.8	1.7	1.4	1.4	+0.1
5.5-6.0 (High)	8.0	1.0	1.8	1.5	1.6	1.8	2.1	1.6	2.2	1.2	1.5	1.9	1.7	1.5	1.2	1.0	1.3	0.6	-0.6
Race/Ethnicity (2-year average): <sup>b</sup>																			
White	1.3	1.3	1.6	1.9	2.0	2.2	2.6	2.8	2.5	2.2	2.3	2.2	2.2	2.1	1.9	2.0	1.8	1.4	-0.4
African American	0.6	0.6	0.9	1.0	0.7	0.5	0.3	0.4	0.5	0.5	0.7	1.2	1.3	0.9	1.0	1.0	0.9	0.9	0.0
Hispanic	2.7	2.5	2.4	3.1	4.1	4.2	3.9	3.5	3.4	3.1	3.1	2.9	3.0	3.1	3.1	2.7	2.0	1.6	-0.4

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "--" indicates data not available. Any apparent inconsistency between the change estimate

and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1986; N is one fifth of N indicated in Table D-S3. Data based on two forms in 1987–1989; N is two fifths of N indicated in 1987–1988 and two sixths of

N indicated in 1989 in Table D-S3. Data based on six forms beginnning in 1990.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-32
Other Cocaine: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

								Percen	tage wh	o used in	ı last 12 ı	months								2008-
Approximate wtd. N =	<u>1991</u> 17,500	<u>1992</u> 18,600	<u>1993</u> 18,300	<u>1994</u> 17,300	<u>1995</u> 17,500	<u>1996</u> 17,800	<u>1997</u> 18,600	<u>1998</u> 18,100	<u>1999</u> 16,700	2000 16,700	<u>2001</u> 16,200	<u>2002</u> 15,100	2003 16,500	<u>2004</u> 17,000	2005 16,800	2006 16,500	<u>2007</u> 16,100	<u>2008</u> 15,700	<u>2009</u> 15,000	2009 change
Total	1.0	1.2	1.3	1.7	2.1	2.5	2.2	2.4	2.3	1.9	1.9	1.8	1.6	1.6	1.7	1.6	1.5	1.4	1.3	-0.1
Gender:																				
Male	1.1	1.2	1.5	1.7	2.0	2.2	2.5	2.3	2.3	1.9	1.8	1.7	1.5	1.3	1.5	1.4	1.3	1.4	1.3	-0.1
Female	0.8	1.2	1.2	1.8	2.2	2.6	1.9	2.4	2.2	1.8	2.0	1.9	1.6	1.8	1.8	1.7	1.6	1.4	1.3	-0.1
College Plans:																				
None or under 4 years	2.7	4.2	4.1	5.6	5.9	6.6	6.0	7.7	7.1	6.1	5.3	6.4	5.0	5.4	4.5	5.7	5.7	5.5	5.6	+0.1
Complete 4 years	0.6	0.7	0.9	1.2	1.6	1.8	1.7	1.8	1.7	1.4	1.5	1.3	1.2	1.1	1.4	1.2	1.1	1.1	1.0	-0.1
Region:																				
Northeast	1.2	0.7	0.9	1.9	1.8	2.1	1.6	1.4	1.7	1.1	1.6	1.2	1.0	1.6	1.5	1.0	1.0	0.9	1.2	+0.4
Midwest	0.6	1.0	0.7	0.9	2.0	2.4	2.0	1.9	2.2	2.3	1.6	1.8	1.7	1.1	1.3	1.1	1.3	1.5	1.5	0.0
South	1.0	1.5	1.6	2.0	2.0	2.3	2.1	3.1	2.6	1.7	2.4	2.1	1.9	1.7	1.9	2.3	1.8	1.8	1.0	-0.8
West	1.3	1.5	2.1	2.0	2.7	3.1	2.9	2.5	2.2	2.5	1.7	1.9	1.6	1.8	1.8	1.5	1.5	1.3	1.8	+0.6
Population Density:																				
Large MSA	0.9	1.1	1.0	1.6	2.0	2.5	1.7	1.8	1.8	1.6	1.6	1.4	1.2	1.7	1.6	1.5	1.5	1.5	0.9	-0.5
Other MSA	0.9	1.4	1.8	2.1	2.1	2.6	2.2	2.5	2.3	1.8	2.2	1.8	1.6	1.6	1.7	1.6	1.5	1.4	1.6	+0.2
Non-MSA	1.1	0.9	0.7	1.2	2.2	2.2	2.5	2.8	2.8	2.5	1.6	2.3	2.2	1.3	1.7	1.7	1.5	1.4	1.4	-0.1
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	2.1	2.7	2.2	3.1	4.3	3.2	3.5	4.7	5.1	4.2	3.7	2.8	2.9	3.1	2.9	3.6	3.1	3.0	3.4	+0.4
2.5–3.0	1.2	1.1	1.5	2.0	2.0	2.6	2.4	2.5	2.8	2.1	1.9	2.3	1.8	1.9	2.2	1.7	1.6	1.8	1.4	-0.3
3.5-4.0	0.6	1.0	1.5	1.9	2.2	2.8	2.1	2.4	2.3	1.9	1.8	1.9	1.6	1.5	2.0	1.7	1.4	1.7	1.2	-0.4
4.5-5.0	0.6	0.8	0.8	1.1	1.6	2.4	1.9	1.8	1.3	1.4	1.6	1.6	1.1	1.3	1.2	1.2	1.0	0.8	0.6	-0.2
5.5-6.0 (High)	1.0	1.2	8.0	1.2	2.0	1.9	1.7	1.8	1.8	1.3	1.1	8.0	1.5	0.9	0.9	0.9	0.9	1.1	1.3	+0.2
Race/Ethnicity (2-year average).b																				
White	_	0.9	1.0	1.2	1.8	2.4	2.5	2.2	2.1	1.9	1.8	1.8	1.8	1.5	1.4	1.5	1.3	1.2	1.2	0.0
African American	_	0.6	0.5	0.6	0.5	0.4	0.3	0.5	0.7	0.6	0.5	0.5	0.6	0.8	0.9	0.7	0.6	0.6	0.8	+0.2
Hispanic		2.6	3.3	4.0	4.3	4.1	3.3	4.0	4.9	3.9	3.2	3.1	2.7	2.8	2.9	2.8	3.1	2.8	2.2	-0.7

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-33
Other Cocaine: Trends in <u>Annual Prevalence of Use by Subgroups in <u>Grade 10</u></u>

2008-

								Percer	tage wh	o used ir	last 12	months								2008-	2006–
	1991	1992	1993	1994	1995	<u>1996</u>	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change	adjusted change
Approximate wtd. N =		14,800	15,300	15,800	17,000	15,600	15,500	15,000		14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	criarige	change
Total	2.1	1.7	1.8	2.4	3.0	3.5	4.1	4.0	4.4	3.8	3.0	3.4	2.8	3.3	3.0	2.9	3.1	2.6	2.3	-0.2	[-0.4]
Gender:																					
Male	2.0	1.9	2.2	2.7	3.1	3.7	4.1	4.1	4.6	4.2	3.3	3.6	2.9	3.6	3.3	3.0	3.2	2.7	2.5	-0.1	
Female	2.1	1.5	1.4	2.1	2.9	3.3	4.0	3.8	4.1	3.4	2.6	3.3	2.7	3.0	2.7	2.8	2.9	2.4	2.1	-0.3	
College Plans:																					
None or under 4 years	4.4	3.3	4.5	5.9	6.3	8.4	9.0	9.3	10.5	8.3	8.2	8.7	7.3	8.3	8.1	8.3	7.5	7.8	7.2	-0.6	
Complete 4 years	1.6	1.3	1.3	1.7	2.5	2.7	3.2	3.0	3.4	3.0	2.1	2.6	2.1	2.6	2.3	2.2	2.5	1.8	1.8	-0.1	
Region:																					
Northeast	1.3	1.0	1.8	2.0	2.2	2.2	2.5	4.3	4.1	2.5	2.0	1.8	2.7	3.2	3.0	2.5	2.5	1.7	2.1	+0.4	
Midwest	1.6	1.3	1.3	1.8	2.5	3.4	3.4	3.1	3.9	4.0	3.0	3.2	2.3	3.0	3.0	2.8	3.3	2.2	2.1	-0.2	
South	1.9	1.6	1.7	2.2	2.9	3.5	4.8	3.7	4.7	3.9	3.2	3.3	3.1	3.2	2.6	2.9	3.3	3.2	2.1	-1.1	
West	3.4	3.1	3.2	4.3	4.8	5.2	5.3	5.2	4.6	4.6	3.9	5.5	3.2	4.1	3.6	3.5	3.0	2.7	3.1	+0.4	
Population Density:																					
Large MSA	1.6	1.5	1.4	1.9	2.8	3.3	3.9	3.8	3.7	3.7	2.5	3.1	2.2	2.9	2.7	2.6	3.1	2.4	2.2	-0.2	
Other MSA	2.6	2.0	2.0	2.7	3.1	3.9	3.8	4.0	4.5	3.7	3.2	3.7	2.8	3.4	3.1	3.0	2.9	2.9	2.6	-0.3	
Non-MSA	1.4	1.4	1.9	2.5	3.1	3.2	4.9	4.2	4.8	4.0	3.2	3.3	4.1	3.6	3.3	3.4	3.3	2.0	1.9	-0.1	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	3.1	2.7	2.7	3.1	5.0	6.1	5.5	6.7	7.6	6.3	4.8	7.1	6.4	5.7	4.5	5.6	5.1	5.9	5.1	-0.8	
2.5–3.0	2.2	1.6	2.0	2.6	3.6	3.6	4.3	4.5	5.1	4.4	4.5	3.9	3.5	3.7	4.0	3.7	3.3	3.1	2.7	-0.4	
3.5–4.0	2.2	2.0	2.2	2.7	3.3	3.8	4.6	4.0	4.2	4.0	2.5	3.2	2.9	3.7	3.0	2.8	3.2	2.4	2.5	+0.1	
4.5–5.0	1.6	1.3	1.4	1.8	2.2	3.0	3.3	3.0	3.5	3.0	2.2	2.0	1.8	2.8	2.4	1.8	2.4	1.9	1.4	-0.5	
5.5-6.0 (High)	1.8	1.3	0.9	1.6	1.7	2.8	2.9	2.5	3.5	2.7	1.4	2.7	1.2	1.6	2.1	2.8	2.4	1.3	2.0	+0.7	
Race/Ethnicity (2-year average).b																					
White	_	1.9	1.8	1.9	2.6	3.2	3.7	4.1	4.3	4.1	3.4	3.3	3.4	3.4	3.3	3.2	3.2	2.8	2.3	-0.6	
African American	_	0.5	0.5	0.9	0.8	0.6	0.6	0.9	0.8	0.5	0.5	0.7	0.7	0.7	0.8	0.9	0.6	0.7	0.7	0.0	
Hispanic	_	3.4	3.4	4.6	5.2	6.1	7.5	7.0	6.8	7.1	5.6	5.0	5.2	5.1	5.4	5.0	4.5	4.6	4.5	-0.1	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-34
Other Cocaine: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

							Percer	ntage wh	o used in	last 12 ı	months							
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	1982	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	1987	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	Cont.
Approximate wtd. N =	_	_	_	_	_	_	_	_	_	_	_	_	16,300	16,300	16,700	15,200	15,000	
Total	_	_	_	_	_	_	_	_	_	_	_	_	9.8	7.4	5.2	4.6	3.2	
Gender:																		
Male	_	_	_	_	_	_	_	_	_	_	_	_	10.1	8.0	6.5	5.8	3.7	
Female	_	_	_	_	_	_	_	_	_	_	_	_	9.1	6.2	4.0	3.2	2.4	
College Plans:																		
None or under 4 years													9.8	6.0	7.3	6.3	4.0	
Complete 4 years	_	_	_	_	_	_	_	_	_	_	_	_	8.3	6.7	4.2	3.7	2.8	
Region:																		
Northeast	_	_	_	_	_	_	_	_	_	_	_	_	12.9	7.0	4.9	5.6	3.4	
Midwest	_	_	_	_	_	_	_	_	_	_	_	_	8.2	5.6	4.8	3.7	2.9	
South	_	_	_	_	_	_	_	_	_	_	_	_	5.8	5.8	4.6	4.1	2.8	
West	_	_	_	_	_	_	_	_	_	_	_	_	15.3	13.4	7.5	6.1	3.9	
Population Density:																		
Large MSA	_	_	_	_	_	_	_	_	_	_	_	_	13.3	9.8	5.6	5.0	3.7	
Other MSA	_	_	_	_	_	_	_	_	_	_	_	_	8.9	7.8	5.4	4.7	3.3	
Non-MSA	_	_	_	_	_	_	_	_	_	_	_	_	8.0	4.5	4.4	4.1	2.5	
Parental Education: <sup>a</sup>																		
1.0-2.0 (Low)	_	_	_	_	_	_	_	_	_	_	_	_	5.3	4.9	3.3	3.4	3.5	
2.5–3.0	_	_	_	_	_	_	_	_	_	_	_	_	10.5	6.5	4.6	5.0	3.5	
3.5-4.0	_	_	_	_	_	_	_	_	_	_	_	_	10.5	7.2	5.1	4.7	3.2	
4.5–5.0	_	_	_	_	_	_	_	_	_	_	_	_	9.0	7.7	6.1	4.1	2.7	
5.5–6.0 (High)	_	_	_	_	_	_	_	_	_	_	_	_	9.7	9.0	6.5	5.4	2.4	
Race/Ethnicity (2-year average): <sup>b</sup>																		
White	_	_	_	_	_	_	_	_	_	_	_	_	_	9.3	7.0	5.3	4.2	
African American	_	_	_	_	_	_	_	_	_	_	_	_	_	2.8	1.4	0.7	1.0	
Hispanic	_	_	_	_	_	_	_	_	_	_	_	_	_	6.3	5.1	5.1	5.0	

TABLE D-34 (cont.)
Other Cocaine: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

							Pe	rcentage	who use	ed in last	12 mont	hs							2008-
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009
Approximate wtd. N =		16,300	15.400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	2002 12,900	<u>2003</u> 14,600	<u>2004</u> 14.600	<u>2005</u> 14,700	<u>2006</u> 14,200	<u>2007</u> 14,500	<u>2006</u> 14,000	13,700	<u>change</u>
Total	2.6	2.9	3.0	3.4	4.2	5.0	4.9	5.8	4.5	4.4	4.4	4.2	4.7	4.5	5.2	4.5	4.0	3.0	-1.1 s
Gender:																			
Male	3.1	3.7	3.7	4.0	4.9	5.7	5.6	7.1	5.5	4.9	5.0	5.4	5.8	5.4	5.7	4.8	4.8	3.6	-1.2
Female	2.0	2.0	2.3	2.5	3.2	4.0	3.9	4.2	3.4	3.7	3.7	2.9	3.5	3.6	4.4	3.9	3.1	2.3	-0.8
College Plans:																			
None or under 4 years	4.0	3.9	4.3	4.5	5.7	7.0	8.9	7.6	6.7	7.4	7.1	4.8	6.8	6.7	6.9	7.7	6.8	4.7	-2.1
Complete 4 years	2.0	2.5	2.5	2.9	3.5	4.1	3.5	5.2	3.7	3.4	3.4	3.8	3.9	3.9	4.7	3.6	3.1	2.5	-0.7
Region:																			
Northeast	2.8	2.3	2.8	4.2	5.2	5.9	4.7	4.1	3.7	4.4	4.3	5.3	4.4	4.3	6.2	5.3	4.4	2.7	-1.7
Midwest	2.2	2.3	3.5	2.7	3.2	4.1	5.3	5.7	4.5	5.6	4.8	3.2	3.9	4.2	3.6	4.4	3.4	3.5	+0.1
South	2.5	2.6	2.6	3.1	4.2	4.6	4.9	6.6	4.0	3.9	4.4	4.1	4.9	4.7	5.8	4.5	4.2	2.7	-1.5
West	3.1	4.6	3.5	4.0	4.5	6.2	4.4	6.1	5.9	3.5	3.9	4.7	5.8	4.7	5.1	3.8	4.1	2.9	-1.2
Population Density:																			
Large MSA	3.1	2.6	2.6	3.7	3.9	4.2	4.8	4.8	3.7	4.1	3.5	3.0	3.9	4.6	7.2	4.3	4.1	2.8	-1.3
Other MSA	2.5	3.6	3.5	3.3	4.4	5.2	4.9	6.0	4.5	4.3	4.7	5.3	5.4	4.7	4.4	4.6	3.9	3.0	-0.9
Non-MSA	2.3	2.0	2.6	3.1	4.2	5.6	4.9	6.7	5.4	5.0	4.9	3.9	4.2	4.0	3.8	4.6	4.2	3.2	-1.0
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	3.7	3.9	2.7	2.9	5.2	6.4	5.5	7.4	5.4	3.7	5.1	4.1	6.3	4.1	4.6	5.2	3.0	3.8	+0.8
2.5–3.0	2.3	2.3	3.2	3.4	3.8	4.9	5.3	5.0	3.8	5.6	4.7	3.4	3.6	5.5	5.5	5.0	3.8	3.2	-0.7
3.5-4.0	2.6	3.3	3.4	3.6	4.6	4.9	5.3	6.9	4.7	4.7	4.9	4.6	5.1	4.7	5.2	4.5	4.6	2.5	-2.1 ss
4.5–5.0	2.3	2.9	2.6	3.2	3.9	4.4	4.2	5.5	4.5	3.9	3.4	4.3	5.1	4.2	4.6	4.3	3.5	2.9	-0.6
5.5-6.0 (High)	2.0	1.7	3.1	2.7	3.8	4.8	3.5	3.6	4.2	2.2	3.9	3.8	3.7	3.7	5.9	3.7	4.2	2.6	-1.6
Race/Ethnicity (2-year average): <sup>b</sup>																			
White	2.9	2.6	2.9	3.3	3.9	5.0	5.6	6.0	5.7	5.0	5.1	4.9	4.8	4.9	5.2	5.5	5.2	4.3	-0.9
African American	1.0	0.7	0.8	0.8	0.7	0.7	0.6	0.8	1.0	0.9	0.8	1.0	1.1	1.2	1.4	1.2	0.7	0.6	-0.1
Hispanic	4.3	5.1	5.1	4.0	5.6	6.9	6.0	5.8	6.6	5.8	4.7	3.9	4.8	5.8	5.7	4.8	3.7	3.1	-0.6

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one form in 1987–1989; N is one fifth of N indicated in 1987–1988 and one sixth of N indicated in 1989 in Table D-S3. Data based on four of six forms beginning in 1990;

N is four sixths of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-35
Heroin: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

								Percen	tage who	used in	last 12 ı	months								2008-
	1001	4000	4000	1001	1995 <sup>a</sup>	1996 <sup>a</sup>	4007	4000	4000	0000	0004	0000	0000	0004	0005	0000	0007	0000	0000	2009
Approximate wtd. N =	1991 17.500	1992 18.600	1993 18.300	1994 17.300	17.500	17.800	<u>1997</u> 18.600	<u>1998</u> 18.100	1999 16.700	2000 16.700	2001 16.200	2002 15,100	2003 16.500	2004 17.000	2005 16.800	2006 16.500	2007 16.100	2008 15.700	2009 15.000	<u>change</u>
Total	0.7	0.7	0.7	1.2	1.4	1.6	1.3	1.3	1.4	1.1	1.0	0.9	0.9	1.0	0.8	0.8	0.8	0.9	0.7	-0.1
Gender:																				
Male	0.9	0.8	0.8	1.3	1.6	1.5	1.4	1.5	1.4	1.0	1.0	0.8	0.8	0.9	0.8	0.6	0.8	0.9	0.8	-0.2
Female	0.5	0.7	0.5	0.9	1.2	1.5	1.1	1.1	1.3	1.2	1.0	1.0	0.9	1.0	0.8	0.9	0.9	0.7	0.7	0.0
College Plans:																				
None or under 4 years	2.1	2.7	2.0	3.9	4.4	4.1	3.4	5.0	3.7	3.5	3.1	2.9	3.1	4.2	2.3	3.0	3.7	3.5	3.5	-0.1
Complete 4 years	0.4	0.4	0.5	0.7	1.0	1.1	1.1	0.9	1.1	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.5	0.6	0.5	-0.2
Region:																				
Northeast	0.5	0.6	0.7	1.3	1.4	1.8	1.1	1.1	1.3	1.1	1.1	0.8	0.7	1.1	0.7	0.4	0.5	0.7	0.4	-0.3
Midwest	0.4	0.8	0.5	1.1	1.4	1.6	1.4	1.3	1.6	1.4	1.0	1.0	1.0	0.8	0.5	0.7	0.8	1.0	0.7	-0.3
South	0.8	0.7	0.7	1.1	1.5	1.4	1.2	1.4	1.4	0.7	1.2	1.0	1.0	0.9	1.0	0.9	0.8	0.8	0.6	-0.2
West	1.0	0.7	1.1	1.1	1.2	1.6	1.4	1.3	1.2	1.4	0.7	1.0	0.9	1.2	0.8	0.9	1.0	0.9	1.2	+0.3
Population Density:																				
Large MSA	0.5	0.7	0.7	1.2	1.2	1.4	1.0	1.0	1.3	1.0	0.9	0.7	0.8	1.2	0.6	0.7	0.5	1.2	0.6	-0.5 s
Other MSA	0.7	0.8	0.9	1.2	1.5	1.7	1.3	1.3	1.4	1.1	1.0	1.0	0.9	1.0	0.8	0.9	0.9	0.8	0.8	0.0
Non-MSA	0.8	0.7	0.4	1.0	1.5	1.5	1.5	1.6	1.5	1.0	1.1	1.1	1.2	0.6	1.0	0.8	1.0	0.6	0.7	+0.1
Parental Education.b																				
1.0-2.0 (Low)	1.5	1.4	8.0	2.0	2.6	2.0	2.3	3.5	2.8	1.7	2.6	1.2	2.1	1.9	0.5	1.8	1.9	2.3	2.0	-0.3
2.5–3.0	0.9	0.7	0.6	1.1	1.0	1.7	1.4	1.2	1.4	1.5	1.1	1.3	1.0	1.1	1.3	0.8	0.8	1.0	0.8	-0.2
3.5–4.0	0.6	0.6	0.7	1.3	1.6	1.7	1.0	1.1	1.2	0.7	1.0	0.9	8.0	1.0	1.0	0.8	0.6	0.7	0.6	0.0
4.5–5.0	0.4	0.5	8.0	8.0	1.2	1.4	1.1	1.1	1.1	8.0	0.6	8.0	0.6	0.7	0.5	0.6	0.9	0.4	0.5	0.0
5.5-6.0 (High)	0.5	8.0	0.6	1.3	1.6	1.0	1.5	1.4	1.8	1.0	8.0	0.6	0.7	0.6	0.4	0.4	0.4	1.2	0.6	-0.6
Race/Ethnicity (2-year average):																				
White	_	0.6	0.6	8.0	1.2	1.6	1.6	1.3	1.2	1.2	1.0	1.0	0.9	0.9	8.0	0.7	0.7	0.8	0.7	-0.1
African American	_	0.4	0.3	0.6	0.7	0.5	0.4	0.5	0.7	0.5	0.6	0.6	0.5	0.7	0.5	0.4	0.4	0.4	0.6	+0.2
Hispanic	_	1.4	1.4	1.5	1.8	2.1	1.7	1.7	2.2	2.0	1.4	1.2	1.4	1.7	1.5	1.1	1.2	1.3	1.2	-0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>In 1995, the heroin question was changed in half of the forms. Separate questions were asked for use with and without injection. In 1996, the remaining forms were changed. Data presented here represent the combined data from all forms.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-36
Heroin: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

2008-

								Percer	tage wh	o used ir	last 12	months								2008-	2008–
			4000		10058	10008	400=	4000												2009	adjusted
Approximate wtd. N =	<u>1991</u> 14 800	<u>1992</u> 14,800	1993 15,300	1994 15.800	1995 <sup>a</sup> 17.000	1996 <sup>a</sup> 15,600	1997 15,500	1998 15,000	1999 13,600	2000 14,300	2001 14.000	2002 14,300	2003 15,800	2004 16,400	2005 16,200	2006 16,200	2007 16,100	2008 15,100	2009 15,900	<u>change</u>	<u>change</u>
Total	0.5	0.6	0.7	0.9	1.1	1.2	1.4	1.4	1.4	1.4	0.9	1.1	0.7	0.9	0.9	0.9	0.8	0.8	,	+0.1	[+0.1]
Gender:																					
Male	0.7	0.8	0.9	1.0	1.3	1.5	1.6	1.7	1.7	1.5	1.0	1.3	0.8	1.0	1.1	0.9	0.9	1.0	1.1	+0.1	
Female	0.4	0.4	0.4	0.8	0.8	0.9	1.3	1.1	1.2	1.2	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.6	0.6	0.0	
College Plans:																					
None or under 4 years	1.4	1.4	1.9	2.0	2.2	2.4	2.9	2.7	3.4	3.8	2.5	2.7	2.0	2.8	3.2	2.7	2.0	2.5	2.9	+0.4	
Complete 4 years	0.3	0.4	0.4	0.7	0.9	1.0	1.2	1.2	1.1	1.0	0.7	0.8	0.5	0.6	0.6	0.6	0.7	0.6	0.7	+0.1	
Region:																					
Northeast	0.4	0.6	0.6	0.6	0.9	0.9	1.3	1.8	1.9	1.5	1.0	0.9	0.6	1.1	1.3	0.9	1.1	0.7	0.9	+0.2	
Midwest	0.6	0.6	8.0	0.9	1.0	1.5	1.5	1.4	1.3	1.6	1.1	1.2	0.7	0.7	1.0	0.9	0.7	1.0	1.1	+0.1	
South	0.6	0.5	0.6	1.0	1.3	1.4	1.5	1.3	1.4	1.5	0.9	0.8	0.9	1.0	8.0	0.9	8.0	0.9	8.0	-0.1	
West	0.4	0.8	0.5	1.2	1.0	1.0	1.3	1.1	1.1	0.7	0.7	1.4	0.7	0.8	0.8	0.7	0.9	0.7	1.0	+0.3	
Population Density:																					
Large MSA	0.6	0.6	0.7	8.0	1.0	1.1	1.6	1.2	1.2	1.8	0.9	0.9	0.6	0.9	0.8	0.7	0.9	0.6	0.8	+0.1	
Other MSA	0.5	0.6	0.6	0.9	1.0	1.3	1.3	1.5	1.4	1.2	1.0	1.0	8.0	0.9	1.0	0.9	0.8	8.0	1.2	+0.4 s	
Non-MSA	0.4	0.6	0.7	1.0	1.3	1.2	1.6	1.5	1.6	1.2	0.9	1.4	0.9	0.7	0.9	1.0	0.7	1.1	0.5	-0.6 s	
Parental Education.b																					
1.0-2.0 (Low)	0.4	0.5	1.2	1.3	1.8	1.0	1.3	1.7	2.4	1.3	1.1	2.0	1.1	1.5	1.7	1.4	1.8	1.9	1.5	-0.4	
2.5–3.0	0.8	0.7	0.7	8.0	1.0	1.2	1.3	1.2	1.5	1.7	1.3	0.8	0.8	1.0	1.2	0.9	0.8	0.5	1.1	+0.5 s	
3.5–4.0	0.5	0.6	0.8	0.9	1.2	1.3	1.6	1.6	1.2	1.5	0.6	1.1	0.7	0.8	0.8	0.6	0.8	1.1	1.2	+0.1	
4.5–5.0	0.4	0.5	0.3	0.9	0.9	1.1	1.5	1.3	1.4	1.3	0.8	0.7	0.6	0.7	0.8	0.7	0.7	0.6	0.6	-0.1	
5.5-6.0 (High)	0.4	0.5	0.8	0.9	0.9	1.5	1.1	1.3	1.2	1.1	0.9	1.6	0.3	0.5	0.6	1.2	0.5	0.6	0.6	+0.1	
Race/Ethnicity (2-year average). <sup>c</sup>																					
White	_	0.6	0.7	8.0	1.0	1.2	1.4	1.4	1.5	1.5	1.2	1.0	0.9	0.8	0.9	1.0	0.8	0.7	8.0	+0.1	
African American	_	0.3	0.4	0.6	0.6	0.2	0.2	0.4	0.5	0.5	0.5	0.3	0.3	0.4	0.6	0.6	0.4	0.5	0.4	0.0	
Hispanic		0.7	0.7	0.7	1.0	1.0	1.3	1.6	1.7	1.4	1.4	1.1	1.1	1.2	1.2	1.2	1.0	1.0	1.1	0.0	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

aln 1995, the heroin question was changed in half of the forms. Separate questions were asked for use with and without injection. In 1996, the remaining forms were changed. Data presented here represent the combined data from all forms.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-37 Heroin: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who used in last 12 months Cont. 1988 1989 1990 1991 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 9,400 17,100 Approximate wtd. N = 15,400 17,800 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 16,700 15,200 15,000 Total 1.0 8.0 0.8 0.8 0.5 0.5 0.5 0.6 0.6 0.5 0.6 0.5 0.5 0.5 0.6 0.5 0.4 Gender: Male 1.2 1.0 1.2 0.6 0.6 0.6 8.0 0.7 0.7 8.0 0.7 0.7 0.7 0.9 0.6 0.6 1.1 0.5 Female 8.0 0.4 0.6 0.3 0.4 0.3 0.4 0.4 0.3 0.3 0.2 0.3 0.3 0.4 0.3 0.3 College Plans: None or under 4 years 0.9 0.5 0.9 1.1 1.0 0.7 0.6 0.5 0.7 0.9 0.6 0.7 8.0 0.8 0.6 0.5 Complete 4 years 0.6 0.5 0.6 0.3 0.3 0.5 0.4 0.3 0.4 0.5 0.4 0.4 0.3 0.5 0.4 0.4 Region: 0.6 Northeast 1.1 0.7 0.7 0.6 0.5 0.5 0.9 0.6 0.6 8.0 0.7 0.6 0.5 0.9 0.8 0.2 Midwest 1.3 1.0 1.0 0.8 0.5 0.7 0.6 0.5 0.4 0.6 0.6 0.4 0.6 0.3 0.6 0.3 8.0 South 0.9 0.7 0.9 1.1 0.6 0.3 0.5 0.5 0.7 0.5 0.6 0.5 0.4 0.5 0.6 0.5 0.4 West 0.7 0.6 0.5 0.8 0.3 0.5 0.7 0.7 0.2 0.4 0.5 0.5 0.4 0.3 0.5 0.3 0.3 Population Density: Large MSA 0.3 0.6 0.5 1.3 1.0 0.5 0.7 0.4 0.3 0.7 0.6 0.7 0.7 0.3 0.4 0.4 0.4 Other MSA 0.9 1.0 0.8 8.0 0.6 0.5 0.5 0.4 0.4 0.4 0.7 0.4 0.6 0.5 0.7 0.5 0.4 Non-MSA 1.0 0.4 1.0 0.5 0.6 0.7 0.6 0.7 0.7 0.4 0.5 0.5 0.5 0.8 0.5 0.6 1.1 Parental Education:<sup>a</sup> 1.0-2.0 (Low) 0.8 0.8 0.5 0.5 0.9 0.8 0.5 1.2 0.8 0.6 0.6 0.4 0.4 0.6 8.0 0.9 0.5 2.5-3.0 8.0 0.9 0.8 0.9 0.5 0.6 0.6 0.7 0.6 0.5 0.5 0.4 0.4 0.7 0.7 0.4 0.4 3.5-4.0 0.6 0.8 0.9 0.7 0.4 0.4 0.5 0.3 0.5 0.5 0.5 0.5 0.6 0.4 0.6 0.4 0.4 4.5-5.0 1.2 1.4 0.6 0.9 0.6 0.4 0.3 0.6 0.4 0.4 0.7 0.3 0.3 0.3 0.6 0.4 0.6 5.5-6.0 (High) 1.2 0.6 1.1 1.0 8.0 0.4 0.7 1.1 8.0 0.5 0.6 0.5 0.7 0.4 0.4 0.5 0.5 Race/Ethnicity (2-year average):b 0.8 0.8 0.6 0.5 0.4 0.5 0.5 0.5 0.5 0.5 0.4 0.4 0.5 0.6 0.5 0.6 African American 0.6 0.5 0.5 0.6 0.7 0.6 0.4 0.5 0.5 0.5 0.7 0.6 0.3 0.2 Hispanic 2.0 1.7 0.4 0.5 1.2 0.4 0.3 0.6 1.1 1.0 0.9 0.9 0.5 0.6 0.6

(Table continued on next page.)

TABLE D-37 (cont.)
Heroin: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

-							Pe	rcentage	who use	ed in last	12 mont	hs							2008-
				40056	10006														2009
Approximate wtd. N =	<u>1992</u> 15.800	1993 16.300	<u>1994</u> 15.400	1995 <sup>c</sup> 15.400	1996 <sup>c</sup>	<u>1997</u> 15.400	1998 15.200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003 14.600	2004 14.600	2005 14.700	2006 14.200	2007 14.500	2008 14.000	2009 13.700	<u>change</u>
Total	0.6	0.5	0.6	1.1	1.0	1.2	1.0	1.1	1.5	0.9	1.0	0.8	0.9	0.8	0.8	0.9	0.7	0.7	0.0
Gender:	0.0	0.5	0.0	1.1	1.0	1.2	1.0	1.1	1.5	0.9	1.0	0.6	0.9	0.6	0.0	0.9	0.7	0.7	0.0
Male	0.8	0.7	0.8	1.4	1.3	1.5	1.4	1.4	1.7	1.3	1.1	0.8	1.2	1.2	1.0	1.2	1.0	1.0	0.0
	0.8	0.7	0.6	0.8	0.7	0.9	0.7	0.8	1.7	0.6	0.8	0.5	0.4	0.5	0.4	0.6	0.4	0.5	
Female	0.3	0.3	0.4	0.6	0.7	0.9	0.7	0.6	1.2	0.6	0.6	0.5	0.4	0.5	0.4	0.0	0.4	0.5	+0.1
College Plans:	0.0	4.0	4.4	4.5	4.0	1.8	4.7	4.0	0.0	4.0	0.0	0.0	4.0	4.0	4.0	0.0	4.4	4.4	0.4
None or under 4 years	0.9	1.0	1.1	1.5	1.8 0.8		1.7	1.3	2.2	1.3 0.7	2.3 0.7	0.9	1.6	1.8	1.3	2.2 0.7	1.4 0.5	1.1	-0.4 +0.1
Complete 4 years	0.5	0.4	0.5	0.9	0.8	1.0	8.0	1.0	1.1	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.5	0.6	+0.1
Region:	0.5	0.0	0.7	4.0	4.0	4.7	4.0	4.0	4.0	4.0	4.0	0.0	0.0	4.0			0.7	0.0	
Northeast	0.5	0.9	0.7	1.0	1.6	1.7	1.3	1.2	1.0	1.2	1.2	0.8	0.9	1.0	1.1	1.1	0.7	0.8	+0.1
Midwest	0.6	0.5	0.9	0.7	0.7	0.9	1.0	0.9	1.4	1.3	1.0	0.6	0.6	8.0	0.4	8.0	0.6	8.0	+0.3
South	0.6	0.4	0.6	1.4	1.0	1.1	1.1	1.3	1.6	0.6	1.2	1.0	1.0	0.9	8.0	0.9	0.7	0.6	-0.1
West	8.0	0.5	0.4	1.0	0.9	1.2	0.6	0.9	1.8	8.0	0.5	0.5	0.9	0.7	0.7	0.9	1.0	0.9	-0.1
Population Density:																			
Large MSA	0.4	0.6	0.4	1.4	1.1	1.1	0.9	8.0	1.9	1.1	1.0	0.7	0.8	8.0	1.0	0.9	0.9	0.9	0.0
Other MSA	0.7	0.5	0.8	0.9	1.1	1.3	1.3	1.3	1.3	0.8	1.0	0.8	1.0	0.9	0.6	0.9	8.0	0.8	0.0
Non-MSA	0.7	0.5	0.5	1.0	0.9	1.0	0.6	1.0	1.3	0.9	1.1	0.9	0.6	0.8	0.6	1.0	0.5	0.6	+0.1
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	0.7	0.3	0.9	1.8	1.1	2.1	1.2	2.3	2.3	1.3	2.1	1.1	1.4	1.0	1.2	1.7	1.3	1.5	+0.1
2.5–3.0	0.6	0.4	8.0	1.1	0.9	1.0	1.0	0.9	1.6	0.5	1.0	0.7	0.9	1.2	0.9	1.0	0.5	0.8	+0.4
3.5-4.0	0.6	0.6	0.4	0.9	1.1	1.2	1.2	1.0	1.3	1.0	0.9	0.8	0.7	0.8	0.7	0.8	0.9	0.6	-0.2
4.5–5.0	0.7	0.7	0.3	1.1	1.0	1.1	1.0	1.1	1.5	1.0	0.7	0.6	0.9	0.5	0.5	0.9	0.5	0.6	+0.1
5.5-6.0 (High)	0.3	0.4	0.9	1.0	0.8	1.1	0.7	1.1	1.1	0.8	1.0	0.6	0.6	0.8	0.7	0.5	0.7	0.5	-0.2
Race/Ethnicity (2-year average): <sup>b</sup>																			
White	0.5	0.5	0.5	0.8	1.0	1.2	1.2	1.1	1.3	1.3	1.0	0.8	0.7	0.7	0.7	0.9	0.9	0.7	-0.1
African American	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.3	0.5	0.4	0.5	0.7	0.7	0.8	0.7	0.5	0.4	0.4	0.0
Hispanic	0.9	0.7	0.5	1.2	1.5	1.1	0.8	1.0	2.0	1.6	0.8	0.8	1.0	1.3	1.2	1.1	0.9	0.7	-0.2

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate

and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

eln 1995, the heroin question was changed in half of the forms. Separate questions were asked for use with and without injection. Data presented here represent the combined data from all forms.

TABLE D-38
Heroin with a Needle: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

_								Percen	tage who	o used in	last 12 i	months								2008-
																				2009
Approximate wtd. N =	<u>1991</u>	1992	1993	<u>1994</u>	1995 17,500	1996 17.800	<u>1997</u> 18.600	<u>1998</u> 18.100	1999 16.700	2000 16,700	2001 16,200	2002 15,100	2003 16.500	2004 17.000	2005 16.800	2006 16.500	2007 16.100	2008 15.700	2009 15,000	<u>change</u>
Total					0.9	1.0	0.8	0.8	0.9	0.6	0.7	0.6	0.6	0.7	0.6	0.5	0.6	0.5	0.5	0.0
Gender:					0.5	1.0	0.0	0.0	0.5	0.0	0.1	0.0	0.0	0.1	0.0	0.5	0.0	0.5	0.5	0.0
Male	_	_	_	_	1.2	1.0	0.8	1.0	1.0	0.7	0.7	0.6	0.7	0.7	0.6	0.4	0.5	0.6	0.6	0.0
Female					0.5	1.0	0.7	0.7	0.8	0.6	0.7	0.6	0.5	0.7	0.6	0.6	0.5	0.4	0.5	+0.1
College Plans:					0.5	1.0	0.7	0.7	0.0	0.0	0.1	0.0	0.5	0.1	0.0	0.0	0.5	0.4	0.5	70.1
None or under 4 years	_	_	_	_	3.2	3.1	2.0	3.1	2.2	2.1	2.2	1.9	2.0	3.1	1.5	2.1	2.7	2.1	2.6	+0.5
Complete 4 years	_	_	_	_	0.6	0.7	0.6	0.6	0.7	0.5	0.6	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.0
Region:					0.0	0.7	0.0	0.0	0.7	0.5	0.0	0.5	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.0
Northeast	_	_	_	_	0.8	1.3	0.5	0.6	1.0	0.8	0.9	0.6	0.4	0.7	0.4	0.3	0.4	0.5	0.3	-0.2
Midwest	_	_	_	_	0.9	1.1	0.7	0.9	1.2	0.9	0.7	0.8	0.6	0.6	0.3	0.4	0.6	0.5	0.5	0.0
South	_	_	_	_	0.8	0.9	0.8	1.0	0.9	0.3	0.9	0.6	0.7	0.6	0.8	0.6	0.6	0.5	0.5	0.0
West	_	_	_	_	1.0	1.0	1.0	0.8	0.7	0.8	0.3	0.6	0.7	0.9	0.6	0.7	0.6	0.6	0.9	+0.3
Population Density:					1.0	1.0	1.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.7	0.0	0.0	0.0	10.0
Large MSA	_	_	_	_	0.9	0.7	0.6	0.8	0.8	0.7	0.7	0.4	0.5	1.0	0.3	0.5	0.3	0.7	0.5	-0.2
Other MSA	_	_	_	_	0.9	1.2	0.8	0.8	0.9	0.6	0.6	0.7	0.6	0.7	0.7	0.6	0.6	0.5		+0.1
Non-MSA	_	_	_	_	0.9	1.1	0.9	1.1	1.1	0.7	1.0	0.8	0.9	0.5	0.7	0.4	0.7	0.3	0.5	+0.2
Parental Education: <sup>a</sup>					0.0		0.0			0		0.0	0.0	0.0	0	0	0	0.0	0.0	. 0.2
1.0–2.0 (Low)	_	_	_	_	1.3	0.9	1.5	2.3	2.0	1.2	2.0	1.1	1.6	1.6	0.3	1.4	1.3	1.6	1.6	0.0
2.5–3.0	_	_	_	_	0.5	1.2	0.8	0.8	0.9	0.5	0.7	0.9	0.6	0.8	1.0	0.5	0.6	0.5		+0.1
3.5–4.0	_	_	_	_	0.8	1.2	0.6	0.6	0.9	0.4	0.6	0.6	0.4	0.7	0.7	0.4	0.3	0.4	0.3	-0.1
4.5–5.0	_	_	_	_	1.0	0.8	0.7	0.7	0.5	0.4	0.5	0.5	0.5	0.6	0.3	0.4	0.6	0.3	0.4	+0.1
5.5–6.0 (High)	_	_	_	_	1.0	0.6	0.9	0.9	1.2	0.9	0.7	0.4	0.5	0.5	0.3	0.2	0.3	0.7	0.5	-0.2
Race/Ethnicity (2-year average).b																				
White	_	_	_	_	_	1.1	1.0	0.7	0.8	0.7	0.6	0.7	0.6	0.6	0.5	0.4	0.5	0.5	0.4	-0.1
African American	_	_	_	_	_	0.3	0.2	0.3	0.4	0.3	0.5	0.5	0.4	0.5	0.4	0.3	0.2	0.2	0.5	+0.3
Hispanic	_	_	_	_	_	1.1	1.0	1.1	1.5	1.2	0.8	0.7	0.9	1.3	1.1	0.9	0.9	1.0	0.9	-0.1
Course The Manitesian the Future store																				

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1995; N is one half of N indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-39
Heroin with a Needle: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

							_		_				~ ~ ~ ~ ~	1			•				2008-
-								Percer	tage who	o used ir	last 12	months								2008-	2009
Approximate wtd. N =	<u>1991</u> —	<u>1992</u> —	<u>1993</u> —	<u>1994</u> —	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	<u>1999</u> 13,600	2000 14,300	2001 14,000	2002 14,300	2003 15,800	2004 16,400	2005 16,200	2006 16,200	2007 16,100	2008 15,100	<u>2009</u> 15,900	2009 change	adjusted change
Total	_	_	_	_	0.6	0.7	0.7	0.8	0.6	0.5	0.4	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	+0.1	[+0.2]
Gender:																					
Male	_	_	_	_	0.8	8.0	0.9	1.0	8.0	0.6	0.5	0.6	0.5	0.6	0.6	0.6	0.5	0.6	8.0	+0.1	
Female	_	_	_	_	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.5	0.4	0.3	0.0	
College Plans:																					
None or under 4 years	_	_	_	_	1.6	1.4	1.5	1.6	1.7	1.7	1.4	1.5	1.4	1.6	1.6	1.3	1.3	1.7	2.1	+0.4	
Complete 4 years	_	_	_	_	0.4	0.5	0.6	0.6	0.5	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.4	+0.1	
Region:																					
Northeast	_	_	_	_	0.5	0.3	0.6	0.8	0.7	0.5	0.5	0.4	0.4	0.5	0.6	0.6	0.6	0.4	8.0	+0.4	
Midwest	_	_	_	_	0.6	1.0	0.8	0.9	0.7	0.5	0.5	0.6	0.5	0.4	0.5	0.5	0.4	0.5	0.7	+0.2	
South	_	_	_	_	0.6	0.7	0.8	0.8	0.6	0.6	0.3	0.5	0.5	0.5	0.4	0.6	0.4	0.6	0.4	-0.1	
West	_	_	_	_	0.5	0.5	0.6	0.6	0.6	0.4	0.5	0.8	0.5	0.5	0.6	0.3	0.6	0.5	0.5	0.0	
Population Density:																					
Large MSA	_	_	_	_	0.5	0.5	0.6	0.7	0.6	0.6	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.4	0.5	+0.1	
Other MSA	_	_	_	_	0.5	0.7	0.6	0.7	0.5	0.4	0.5	0.4	0.4	0.5	0.6	0.5	0.5	0.5	8.0	+0.2	
Non-MSA	_	_	_	_	8.0	0.8	1.1	1.0	1.0	0.6	0.4	1.0	0.6	0.3	0.5	0.7	0.4	0.7	0.4	-0.3	
Parental Education. <sup>a</sup>																					
1.0–2.0 (Low)	_	_	_	_	1.6	0.6	0.7	1.3	1.2	1.0	0.5	1.2	0.8	1.0	1.4	1.0	1.3	1.7	1.0	-0.7	
2.5–3.0	_	_	_	_	0.5	8.0	0.6	0.6	0.7	8.0	0.7	0.3	0.4	0.5	0.6	0.5	0.5	0.2	0.7	+0.5 s	
3.5–4.0	_	_	_	_	0.7	0.7	0.9	0.9	0.6	0.5	0.2	0.6	0.5	0.4	0.4	0.4	0.4	0.5	8.0	+0.2	
4.5–5.0	_	_	_	_	0.4	0.5	0.7	0.6	0.6	0.3	0.3	0.3	0.5	0.3	0.4	0.3	0.5	0.3	0.3	0.0	
5.5–6.0 (High)	_	_	_	_	0.3	0.6	0.7	0.8	0.6	0.3	0.5	1.1	0.2	0.3	0.3	1.0	0.2	0.3	0.4	+0.1	
Race/Ethnicity (2-year average). <sup>b</sup>																					
White	_	_	_	_	_	0.6	0.7	0.7	0.6	0.5	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.4	+0.1	
African American	_	_	_	_	_	0.1	0.1	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.5	0.4	0.2	0.4	0.4	0.0	
Hispanic					_	0.6	0.6	0.8	1.0	0.9	0.9	0.7	0.7	0.8	0.8	0.8	0.6	0.7	8.0	+0.2	

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1995; N is one half of N indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-40
Heroin with a Needle: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

							Pe	ercentage	who us	ed in last	12 mon	ths							2008-
	1975–	1980–	1990-																2009
	<u>1979</u>	<u>1989</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	<u>change</u>
Approximate wtd. N =	_	_	_	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	
Total	_	_	_	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.3	-0.1
Gender:																			
Male	_	_	_	0.7	0.9	0.9	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.7	0.5	0.6	0.4	-0.2
Female	_	_	_	0.3	0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.3	0.1	0.3	0.3	0.1	0.1	0.2	+0.1
College Plans:																			
None or under 4 years	_	_	_	0.9	1.2	0.9	8.0	0.5	1.0	0.7	0.9	0.4	1.0	0.9	1.0	1.0	1.0	0.6	-0.4
Complete 4 years	_	_	_	0.4	0.4	0.4	0.3	0.4	0.2	0.2	0.3	0.4	0.2	0.4	0.3	0.2	0.2	0.2	0.0
Region:																			
Northeast	_	_	_	0.4	0.6	0.6	0.7	0.3	0.2	0.7	0.6	0.6	0.6	0.6	0.8	0.7	0.3	0.3	0.0
Midwest	_	_	_	0.5	0.4	0.8	0.4	0.5	0.4	0.2	0.6	0.3	0.2	0.7	0.1	0.1	0.3	0.3	0.0
South	_	_	_	0.4	0.6	0.3	0.5	0.4	0.8	0.1	0.3	0.6	0.4	0.4	0.6	0.4	0.3	0.2	-0.1
West	_	_	_	0.8	0.5	0.5	0.1	0.3	0.1	0.4	0.2	0.2	0.5	0.3	0.3	0.2	0.5	0.3	-0.1
Population Density:																			
Large MSA	_	_	_	0.6	0.7	0.3	0.3	0.4	0.8	0.4	0.5	0.5	0.6	0.4	0.7	0.6	0.2	0.5	+0.3
Other MSA	_	_	_	0.4	0.5	0.6	0.5	0.3	0.3	0.3	0.3	0.4	0.4	0.6	0.4	0.2	0.5	0.2	-0.3
Non-MSA	_	_	_	0.6	0.3	0.7	0.5	0.6	0.3	0.2	0.5	0.4	0.2	0.5	0.4	0.4	0.2	0.1	-0.1
Parental Education. <sup>a</sup>																			
1.0-2.0 (Low)	_	_	_	0.7	0.9	1.8	0.8	1.5	1.2	0.7	0.8	0.5	0.2	0.8	1.0	1.0	0.9	0.8	-0.1
2.5-3.0	_	_	_	0.6	0.5	0.4	0.5	0.1	0.4	0.3	0.4	0.7	0.6	0.5	0.5	0.4	0.3	0.5	+0.2
3.5-4.0	_	_	_	0.2	0.3	0.3	0.4	0.5	0.2	0.1	0.5	0.3	0.3	0.4	0.5	0.2	0.4	0.2	-0.2
4.5-5.0	_	_	_	0.5	0.7	0.6	0.4	0.3	0.4	0.4	0.2	0.4	0.4	0.3	0.2	0.2	0.3	0.1	-0.2
5.5-6.0 (High)	_	_	_	0.6	0.5	0.5	0.2	0.4	0.2	0.3	0.2	0.3	0.4	0.4	0.6	0.3	0.2	0.1	-0.1
Race/Ethnicity (2-year average).b																			
White	_	_	_	_	0.4	0.5	0.5	0.4	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
African American	_	_	_	_	0.2	0.5	0.4	0.2	0.5	0.4	0.2	0.4	0.5	0.6	0.7	0.4	0.3	0.3	0.0
Hispanic	_	_	_	_	1.0	0.7	0.5	0.6	1.0	0.6	0.4	0.6	0.7	0.8	0.9	0.7	0.4	0.3	-0.1
Course The Manitenian the Future store																			

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on three of six forms; N is three sixths of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-41
Heroin without a Needle: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

_								Percen	tage who	used in	last 12 i	months								2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009
Approximate wtd. N =	1991	1992	1993	1994	17,500	17.800	18.600		16.700	<u>2000</u> 16.700	16.200	<u>2002</u> 15.100		<u>2004</u> 17.000	16.800	2006 16.500	<u>2007</u> 16.100	<u>2006</u> 15.700	<u>2009</u> 15.000	<u>change</u>
Total	_	_	_	_	0.8	1.0	0.8	0.8	0.9	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.4	-0.2 ss
Gender:					0.0	1.0	0.0	0.0	0.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.4	0.2 33
Male	_	_	_	_	1.0	0.9	0.9	0.9	0.8	0.5	0.6	0.6	0.6	0.4	0.4	0.5	0.4	0.6	0.4	-0.2
Female	_	_	_	_	0.6	0.9	0.7	0.8	0.8	0.8	0.6	0.7	0.6	0.7	0.5	0.6	0.5	0.6	0.4	-0.2
College Plans:					0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2
None or under 4 years	_	_	_	_	3.2	2.1	2.2	3.4	2.7	2.4	1.9	1.7	2.3	2.5	1.6	2.3	1.9	2.6	1.9	-0.7
Complete 4 years	_	_	_	_	0.5	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.2	-0.2 ss
Region:																				
Northeast	_	_	_	_	0.9	1.1	0.8	0.7	0.7	0.6	0.7	0.3	0.5	0.6	0.5	0.2	0.2	0.4	0.3	-0.2
Midwest	_	_	_	_	1.0	1.0	0.9	0.9	1.0	0.8	0.6	0.7	0.8	0.4	0.3	0.7	0.5	0.8	0.3	-0.5 s
South	_	_	_	_	0.8	0.8	0.7	0.9	0.9	0.5	0.6	0.7	0.7	0.6	0.6	0.6	0.4	0.7	0.3	-0.4 s
West	_	_	_	_	0.7	1.1	1.1	0.9	0.9	0.8	0.5	0.7	0.5	0.7	0.4	0.5	0.7	0.5	0.7	+0.1
Population Density:																				
Large MSA	_	_	_	_	0.9	1.0	0.6	0.5	0.8	0.7	0.5	0.6	0.6	0.7	0.4	0.4	0.3	0.8	0.3	-0.6 ss
Other MSA	_	_	_	_	0.8	1.0	0.9	1.0	0.8	0.8	0.8	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	-0.1
Non-MSA	_	_	_	_	0.9	0.9	1.0	1.0	1.1	0.5	0.4	0.8	0.7	0.3	0.6	0.7	0.7	0.4	0.3	-0.2
Parental Education: <sup>a</sup>																				
1.0-2.0 (Low)	_	_	_	_	1.9	1.5	1.3	2.4	1.7	1.1	1.3	0.5	1.4	1.5	0.2	1.4	1.0	1.6	1.1	-0.5
2.5–3.0	_	_	_	_	0.7	0.9	1.1	0.7	1.0	1.3	0.6	0.8	0.6	0.6	0.9	0.6	0.4	0.8	0.4	-0.4
3.5-4.0	_	_	_	_	0.5	1.2	0.5	0.8	0.6	0.5	0.6	0.6	0.7	0.6	0.5	0.6	0.3	0.4	0.4	0.0
4.5–5.0	_	_	_	_	0.8	0.8	0.8	0.6	0.8	0.5	0.5	0.6	0.4	0.4	0.3	0.4	0.7	0.3	0.2	-0.1
5.5-6.0 (High)	_	_	_	_	0.7	0.8	1.0	1.1	1.1	0.3	0.4	0.4	0.5	0.3	0.1	0.3	0.3	0.8	0.2	-0.7 ss
Race/Ethnicity (2-year average).b																				
White	_	_	_	_	_	1.0	1.0	8.0	8.0	8.0	0.7	0.6	0.6	0.5	0.4	0.5	0.5	0.5	0.4	-0.1
African American	_	_	_	_	_	0.2	0.2	0.4	0.5	0.3	0.3	0.3	0.3	0.5	0.4	0.3	0.3	0.3	0.3	0.0
Hispanic	_	_	_	_	_	1.5	1.2	1.1	1.4	1.1	8.0	1.0	1.0	1.0	0.9	0.6	0.7	0.8	0.8	0.0

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1995; N is one half of N indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-42
Heroin without a Needle: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

2008-

								Perce	entage w	ho used i	n last 12	months								2008-	2008–
•																				2009	adjusted
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005	2006	2007	2008	2009	change	<u>change</u>
Approximate wtd. N =	_	_	_	_	17,000	15,600	15,500	15,000	13,600		14,000	14,300	15,800	16,400	16,200	16,200	16,100	,	15,900	0.0	10.01
Total	_	_	_	_	8.0	0.9	1.1	1.0	1.1	1.1	0.7	8.0	0.5	0.7	0.7	0.6	0.6	0.6	0.6	0.0	[-0.2]
Gender: Male					0.0	1.1	4.0	4.0	4.0	4.4	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	
	_	_	_	_	0.9	0.7	1.2	1.2 0.8	1.3	1.1	0.8	0.9	0.6	0.8	0.7 0.6	0.6 0.6	0.6 0.5	0.8	0.8	0.0	
Female	_	_	_	_	0.7	0.7	1.0	0.8	1.0	1.0	0.6	0.6	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.0	
College Plans:																					
None or under 4 years	_	_	_	_	1.7	1.8	2.1	1.8	2.5	2.7	1.7	2.2	1.4	2.2	2.3	2.0	1.1	1.6		+0.4	
Complete 4 years	_	_	_	_	0.6	0.7	1.0	0.9	8.0	8.0	0.5	0.6	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.0	
Region:																					
Northeast	_	_	_	_	0.5	0.7	1.0	1.4	1.6	1.2	0.8	0.7	0.4	0.9	0.9	0.8	0.7	0.6	0.5	0.0	
Midwest	_	_	_	_	0.5	0.8	1.2	0.7	1.0	1.2	0.8	0.9	0.5	0.5	0.8	0.6	0.5	0.8	0.7	-0.1	
South	_	_	_	_	1.1	1.1	1.2	1.0	1.0	1.3	0.7	0.5	0.7	0.7	0.6	0.6	0.6	0.6	0.4	-0.2	
West	_	_	_	_	0.9	0.9	1.0	8.0	8.0	0.5	0.5	1.2	0.4	0.5	0.5	0.5	0.5	0.4	0.8	+0.3	
Population Density:																					
Large MSA	_	_	_	_	0.9	0.9	1.3	8.0	0.9	1.5	8.0	0.6	0.4	0.6	0.7	0.5	0.7	0.5	0.4	-0.1	
Other MSA	_	_	_	_	0.7	1.0	1.0	1.1	1.2	1.0	0.7	8.0	0.6	0.8	0.7	0.6	0.5	0.6	0.8	+0.2	
Non-MSA	_	_	_	_	0.9	0.7	1.1	1.0	1.2	0.9	0.7	1.0	0.6	0.5	0.6	8.0	0.6	8.0	0.3	-0.5 s	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	_	_	_	_	1.7	8.0	0.9	1.2	1.8	1.1	0.9	1.5	0.9	1.0	1.1	1.2	0.9	1.1	1.1	+0.1	
2.5–3.0	_	_	_	_	0.6	0.7	1.0	1.0	1.1	1.1	0.9	0.7	0.7	0.7	0.9	0.6	0.6	0.4	0.6	+0.3	
3.5-4.0	_	_	_	_	0.9	1.0	1.3	1.2	0.9	1.3	0.5	8.0	0.4	0.7	0.6	0.5	0.6	0.8	0.7	-0.1	
4.5-5.0	_	_	_	_	0.5	0.8	1.1	1.0	1.0	1.0	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.3	-0.2	
5.5-6.0 (High)	_	_	_	_	0.9	1.1	1.0	0.7	1.1	1.1	0.6	1.1	0.1	0.4	0.5	0.4	0.3	0.4	0.5	+0.1	
Race/Ethnicity (2-year average).b																					
White	_	_	_	_	_	0.9	1.0	1.1	1.1	1.2	1.0	8.0	0.7	0.6	0.7	0.7	0.5	0.5	0.6	+0.1	
African American	_	_	_	_	_	0.1	0.1	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3	-0.1	
Hispanic	_	_	_	_	_	0.8	1.1	1.4	1.3	0.9	8.0	0.8	0.8	0.9	1.0	0.9	0.8	0.7	0.7	0.0	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1995;  $\it N$  is one half of  $\it N$  indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-43
Heroin without a Needle: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

							Pe	rcentage	who us	ed in las	t 12 mon	ths							2008-
•	1975-	1980-	1990-																2009
	<u>1979</u>	<u>1989</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	<u>change</u>
Approximate wtd. N =	_	_	_	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	
Total	_	_	_	1.0	1.0	1.2	8.0	1.0	1.6	8.0	8.0	8.0	0.7	8.0	0.6	1.0	0.5	0.6	+0.1
Gender:																			
Male	_	_	_	1.4	1.3	1.4	1.0	1.3	1.8	1.3	0.9	0.9	0.9	1.1	8.0	1.2	0.7	8.0	+0.2
Female	_	_	_	0.7	0.7	0.9	0.7	0.8	1.5	0.4	0.7	0.7	0.4	0.5	0.3	0.6	0.3	0.4	+0.1
College Plans:																			
None or under 4 years	_	_	_	1.4	1.7	1.6	1.3	1.5	2.7	1.3	2.2	0.8	1.5	1.7	1.2	2.6	1.0	0.7	-0.3
Complete 4 years	_	_	_	0.9	0.8	1.0	0.6	1.0	1.3	0.7	0.4	0.7	0.4	0.6	0.4	0.7	0.3	0.5	+0.2
Region:																			
Northeast	_	_	_	0.9	1.9	1.9	1.1	1.3	0.9	1.3	1.1	0.6	1.1	1.1	1.0	1.1	0.7	0.7	0.0
Midwest	_	_	_	0.7	0.5	1.0	0.6	0.7	1.6	1.1	0.9	0.7	0.4	0.7	0.2	0.9	0.3	0.7	+0.4
South	_	_	_	1.4	0.9	1.1	1.1	1.2	1.8	0.3	0.9	1.2	0.5	0.7	0.7	1.0	0.3	0.6	+0.2
West	_	_	_	0.8	0.7	0.6	0.3	1.0	2.0	0.9	0.4	0.3	1.0	0.7	0.6	0.9	0.8	0.7	-0.1
Population Density:																			
Large MSA	_	_	_	1.3	1.1	1.2	0.9	0.9	2.5	1.0	0.6	0.8	0.8	0.7	8.0	0.9	0.5	0.7	+0.2
Other MSA	_	_	_	0.8	1.2	1.1	0.9	1.2	1.2	0.8	1.1	0.7	0.9	0.7	0.4	0.9	0.6	0.6	+0.1
Non-MSA	_	_	_	1.0	0.4	1.2	0.4	0.8	1.4	0.7	0.6	1.0	0.2	1.0	0.5	1.2	0.3	0.5	+0.2
Parental Education. <sup>a</sup>																			
1.0-2.0 (Low)	_	_	_	1.0	0.8	1.7	0.5	2.0	2.7	1.5	1.8	1.0	1.1	1.1	1.2	2.2	0.7	1.1	+0.4
2.5–3.0	_	_	_	1.1	0.6	0.8	1.1	1.1	1.8	0.5	0.9	0.9	0.8	1.0	0.5	0.9	0.5	0.7	+0.2
3.5-4.0	_	_	_	0.9	1.1	1.3	0.9	0.8	1.7	0.8	1.0	0.7	0.6	0.9	0.5	8.0	0.3	0.9	+0.6 s
4.5–5.0	_	_	_	1.2	1.2	1.2	0.8	1.1	1.6	1.1	0.2	8.0	0.7	0.5	0.4	0.8	0.6	0.3	-0.2
5.5-6.0 (High)	_	_	_	0.6	1.0	1.0	0.5	1.0	0.6	0.8	0.8	0.7	0.3	0.5	0.7	0.7	0.6	0.2	-0.4
Race/Ethnicity (2-year average).b																			
White	_	_	_	_	1.1	1.3	1.2	1.1	1.4	1.3	1.0	0.8	0.7	0.6	0.6	0.8	0.8	0.6	-0.2
African American	_	_	_	_	0.2	0.3	0.3	0.1	0.4	0.4	0.4	0.6	0.7	0.5	0.4	0.4	0.4	0.3	-0.1
Hispanic	_	_	_	_	0.9	0.6	0.4	0.6	1.8	1.3	0.5	0.7	0.7	0.9	1.0	1.1	0.7	0.4	-0.4
Source The Monitoring the Future stur	du tha He	ois soroits s	f Michiga																_

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on three of six forms; N is three sixths of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-44
Narcotics other than Heroin: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

							Percen	tage who	o used in	last 12 r	nonths						
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>
Approximate wtd. N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000
Total	5.7	5.7	6.4	6.0	6.2	6.3	5.9	5.3	5.1	5.2	5.9	5.2	5.3	4.6	4.4	4.5	3.5
Gender:																	
Male	6.6	6.8	7.3	6.9	7.3	7.1	6.5	6.0	6.0	6.2	6.8	5.9	5.6	5.1	4.9	5.0	3.9
Female	4.8	4.7	5.4	5.1	5.1	5.4	5.3	4.6	4.2	4.2	5.1	4.6	4.9	4.1	3.8	3.9	3.1
College Plans:																	
None or under 4 years	_	6.8	8.0	6.8	7.3	7.4	7.2	6.1	6.1	6.1	6.6	6.7	6.1	4.8	5.3	5.7	3.8
Complete 4 years	_	4.6	4.7	4.9	5.0	5.1	4.8	4.6	4.3	4.3	5.4	4.3	4.8	4.6	3.9	4.0	3.5
Region:																	
Northeast	6.1	6.5	6.6	6.8	7.0	5.7	7.2	5.6	5.6	6.7	7.3	5.7	6.0	3.7	4.7	4.1	3.2
Midwest	6.2	6.2	7.5	6.7	6.1	7.6	6.2	5.5	5.3	4.8	6.3	5.8	5.2	4.4	5.7	4.6	4.2
South	4.9	5.0	5.2	4.5	5.2	5.0	4.1	4.5	4.4	4.5	3.8	4.2	4.3	4.7	3.2	4.1	2.7
West	5.4	5.0	6.0	6.7	7.1	6.8	7.2	6.2	5.2	5.3	7.1	5.4	6.1	5.7	4.9	5.3	4.4
Population Density:																	
Large MSA	7.3	6.7	6.7	6.9	7.3	6.9	6.9	5.2	6.0	5.2	6.0	4.8	5.2	4.0	4.1	3.8	3.3
Other MSA	5.5	6.1	6.3	5.9	6.3	7.0	6.3	5.7	5.3	5.1	6.4	5.6	5.3	5.2	4.9	4.6	3.9
Non-MSA	4.8	4.6	6.2	5.4	5.3	4.8	4.8	4.9	4.1	5.2	5.2	5.0	5.2	4.4	3.8	4.8	3.1
Parental Education: <sup>b</sup>																	
1.0-2.0 (Low)	5.4	5.0	5.1	5.0	5.2	5.2	4.8	4.8	4.8	4.7	4.5	4.7	4.1	3.9	3.6	3.8	3.8
2.5–3.0	5.1	5.9	6.4	6.2	5.9	5.8	5.6	4.9	5.0	5.2	5.5	5.0	4.4	4.3	4.0	4.1	3.2
3.5–4.0	4.2	6.3	6.7	6.0	6.3	6.9	6.6	5.2	4.5	5.1	6.5	6.0	5.6	4.3	4.6	4.6	3.7
4.5–5.0	6.4	6.3	6.6	6.4	6.7	7.0	6.3	6.4	6.0	5.6	6.4	4.8	5.4	5.4	4.2	4.7	3.6
5.5-6.0 (High)	6.5	6.5	7.9	6.1	7.8	6.8	6.8	7.1	5.3	4.9	6.8	5.4	7.8	5.6	6.4	5.7	4.1
Race/Ethnicity (2-year average): <sup>c</sup>																	
White	_	_	6.6	6.7	6.6	6.8	6.7	6.2	5.8	5.7	6.3	6.3	6.0	5.8	5.3	5.2	4.7
African American	_	_	2.2	2.0	1.8	1.7	1.9	1.8	1.7	1.6	1.6	1.7	1.6	1.5	1.5	1.4	1.1
Hispanic	_	_	3.8	3.5	3.5	3.7	4.3	4.1	4.0	4.2	3.6	3.0	2.4	2.2	2.5	2.4	2.3

(Table continued on next page.)



TABLE D-44 (cont.)
Narcotics other than Heroin: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

							Pe	ercentage	who use	ed in last	12 mont	ths							2008-
											haaad	haaad				000=0			2009
Approximate wtd. N =	1992	1993 16,300	<u>1994</u> 15,400	<u>1995</u> 15.400	1996 14,300	<u>1997</u> 15,400	1998 15,200	1999 13,600	2000 12,800	2001 12,800	2002 <sup>d</sup> 12,900	2003 <sup>d</sup> 14,600	2004 14,600	2005 14.700	2006 14,200	2007 <sup>e</sup> 14,500	2008 14,000	2009 13,700	<u>change</u>
Total	3.3	3.6	3.8	4.7	5.4	6.2	6.3	6.7	7.0	6.71	9.4	9.3	9.5	9.0	9.0	9.2	9.1	9.2	+0.1
Gender:	5.5	5.0	5.0	4.7	5.4	0.2	0.5	0.7	7.0	0.7+	3.4	9.5	9.5	3.0	9.0	9.2	5.1	3.2	+0.1
Male	3.3	3.6	4.3	5.6	6.4	7.1	7.4	8.2	8.0	8.0‡	11.6	10.7	10.9	10.7	10.3	10.9	10.6	10.7	+0.1
Female	3.3	3.3	3.4	3.8	4.4	5.4	7. <del>4</del> 5.1	5.2	5.9	5.6‡	7.4	7.8	8.1	7.4	7.8	7.6	7.9	7.9	0.0
	3.3	3.3	3.4	3.0	4.4	5.4	5.1	5.2	5.9	5.04	7.4	7.0	0.1	7.4	7.0	7.0	7.9	7.9	0.0
College Plans:																			
None or under 4 years	4.3	4.2	4.9	5.6	7.0	8.2	8.4	7.0	7.8	7.5‡	12.4	12.3	12.4	12.2	12.4	12.9	13.1	11.0	-2.1
Complete 4 years	3.0	3.3	3.5	4.4	4.9	5.7	5.5	6.6	6.6	6.4‡	8.8	8.4	8.7	8.3	8.1	8.3	8.3	8.8	+0.5
Region:																			
Northeast	3.7	4.6	3.5	4.3	6.1	7.8	6.5	6.2	6.7	7.2‡	10.6	9.3	9.9	8.3	10.1	9.3	9.7	9.3	-0.4
Midwest	3.6	3.2	4.7	5.2	6.0	6.1	6.5	7.5	7.2	7.8‡	8.8	9.1	8.7	10.7	9.9	10.5	10.0	11.6	+1.6
South	2.7	3.2	3.8	4.5	5.1	6.1	6.5	7.5	6.6	5.7‡	9.3	8.0	9.1	8.6	7.9	8.3	8.3	8.0	-0.3
West	3.5	4.0	3.1	4.7	4.1	4.7	5.2	4.7	7.5	6.5‡	9.5	11.4	11.1	8.3	8.9	9.2	9.0	8.2	-0.8
Population Density:																			
Large MSA	3.5	3.1	4.1	4.8	4.6	4.6	5.2	5.4	7.0	8.4‡	8.9	7.4	8.1	8.4	8.1	7.9	7.9	7.9	0.0
Other MSA	3.1	3.7	3.7	4.7	5.4	7.2	6.8	7.4	7.2	5.6‡	10.3	10.3	10.7	9.3	9.0	9.3	9.0	9.4	+0.3
Non-MSA	3.6	3.7	3.6	4.7	6.0	6.0	6.5	6.8	6.6	6.9‡	8.5	9.7	8.9	9.1	10.4	10.7	10.7	10.6	-0.1
Parental Education:b																			
1.0-2.0 (Low)	3.5	3.8	3.0	4.0	4.5	4.7	4.7	4.6	4.6	5.1‡	6.2	7.9	6.8	5.2	6.1	7.1	7.1	6.1	-0.9
2.5-3.0	3.5	2.9	3.8	4.2	5.6	5.3	5.9	5.9	6.4	6.4‡	8.9	9.3	8.8	9.5	9.5	8.8	9.2	9.9	+0.7
3.5-4.0	3.2	3.7	3.4	4.4	5.5	6.5	6.8	7.2	7.3	7.1‡	10.4	9.8	10.8	10.5	10.3	9.5	9.9	9.9	0.0
4.5–5.0	3.4	3.7	4.3	5.5	5.4	6.8	6.2	7.4	7.9	7.0‡	10.3	9.5	10.5	9.3	9.1	9.9	9.0	9.9	+0.9
5.5-6.0 (High)	3.2	4.5	4.8	5.5	5.6	7.6	6.6	7.4	7.5	7.0‡	8.7	8.8	8.8	7.6	8.0	9.5	9.7	8.2	-1.5
Race/Ethnicity (2-year average):										•									
White	4.1	4.1	4.3	5.0	5.9	7.1	7.6	7.7	8.3	8.5	10.3‡	10.2 <sup>c</sup>	11.2	11.2	11.2	11.5	11.7	11.7	0.0
African American	0.9	1.0	1.5	1.4	1.2	1.8	2.4	2.0	1.7	1.8	1.9‡	2.1 <sup>c</sup>	2.7	2.5	2.4	2.6	2.7	2.8	+0.1
Hispanic	2.1	2.3	2.2	2.5	3.7	3.1	2.8	3.6	4.6	4.5	4.3‡	5.2 <sup>c</sup>	5.5	5.3	5.0	4.5	4.2	4.7	+0.5
Course The Manitesian the Future str				2.0	0.7	0.1	2.0	0.0	7.0	7.0	7.04	0.2	0.0	0.0	0.0	7.0	7.4	7.7	. 0.0

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001, "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

estimates. The 2003 data comprise half of the 2002 sample data double-weighted and all of the 2003 sample data. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

Percocet. The 2002 data presented here are based on the changed forms only; N is one half of N indicated. In 2003 the remaining forms were changed to the new wording. Beginning in 2003, the data are based on all forms.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>°</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable

dln 2002 the question text was changed in half of the questionnaire forms. In the list of examples of narcotics other than heroin, Talwin, laudanum, and paregoric were replaced with Vicodin, OxyContin, and

<sup>&</sup>lt;sup>e</sup>In 2007, for the list of narcotics other than heroin, Dilaudid was replaced with Ultram.

TABLE D-45
OxyContin:<sup>a</sup> Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

			Percer	ntage wh	o used ir	n last 12	months			_
	1991–									2008– 2009
Annuacionata cotal N	<u>2001</u>	<u>2002</u>	<u>2003</u>	2004	2005	<u>2006</u>	<u>2007</u>	<u>2008</u>	2009	<u>change</u>
Approximate wtd. N =	_	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	0.4
Total	_	1.3	1.7	1.7	1.8	2.6	1.8	2.1	2.0	-0.1
Gender: Male		4.0	1.6	1.8	4.0	2.8	1.7	0.0	0.7	+0.4
Female	_	1.9 0.9	1.7	1.6	1.9 1.7	2.0	2.0	2.3 1.8	2.7 1.4	-0.4
College Plans:	_	0.9	1.7	1.0	1.7	2.2	2.0	1.0	1.4	-0.4
•		4.0	7.5		0.0	0.0	<i>-</i> 4	6.4	0.4	.00
None or under 4 years	_	4.3 1.0	7.5 1.1	6.9 1.2	6.8 1.2	8.8 1.9	5.1 1.5	6.1 1.8	8.4 1.6	+2.3 -0.2
Complete 4 years Region:	_	1.0	1.1	1.2	1.2	1.9	1.5	1.0	1.0	-0.2
Northeast		1.0	1.2	1.1	1.7	1.6	1.1	0.8	1.2	+0.4
Midwest	_	1.7	1.7	1.1		3.2			2.2	+0.4
South	_	1.7	2.1	2.2	2.4 2.0	3.2 2.4	2.0 2.0	1.4 2.9	2.2	-0.9
West	_	0.9	1.3	1.8	1.0	3.1	1.6	2.9	2.1	-0.9
Population Density:	_	0.9	1.3	1.0	1.0	3.1	1.0	2.3	2.2	-0.1
Large MSA		1.2	1.1	0.9	1.1	1.3	0.9	1.7	0.7	-0.9
Other MSA	_	1.4	1.7	2.6	2.3	3.1	2.2	2.2	2.3	+0.1
Non-MSA		1.5	2.5	1.1	1.8	3.2	2.3	2.6	2.8	+0.1
Parental Education. <sup>b</sup>		1.5	2.5	1.1	1.0	3.2	2.5	2.0	2.0	TU.2
1.0–2.0 (Low)	_	2.9	4.0	3.5	3.7	3.6	2.0	4.0	6.1	+2.0
2.5–3.0	_	2.0	2.3	2.1	2.9	3.4	2.2	2.3	2.1	-0.1
3.5–4.0	_	1.0	1.9	2.2	2.5	2.4	2.2	2.3	1.7	-0.6
4.5–5.0	_	0.9	0.7	1.3	0.7	2.0	1.6	1.7	1.7	-0.1
5.5–6.0 (High)	_	1.3	1.6	0.7	0.8	2.2	0.8	1.7	1.0	-0.7
Race/Ethnicity (2-year average).										
White	_	_	1.6	1.7	1.7	2.3	2.5	2.3	2.2	-0.1
African American	_	_	0.9	0.6	1.0	1.4	1.2	1.4	1.6	+0.1
Hispanic	_	_	1.3	2.8	2.6	2.4	2.3	1.5	1.8	+0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-46
OxyContin: Trends in Annual Prevalence of Use by Subgroups in Grade 10

			Percer	ntage wh	o used ir	n last 12	months			-	2008-
										2008-	2009
	1991– 2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change	adjusted change
Approximate wtd. N =	_	14,300	15,800	16,400	16,200	16,200	16,100			change	change
Total	_	3.0	3.6	3.5	3.2	3.8	3.9	3.6	5.1	+1.5 s	[+0.9]
Gender:											
Male	_	3.6	4.3	3.8	3.4	3.7	4.2	3.8	5.6	+1.8 s	
Female	_	2.4	2.9	3.1	3.0	4.0	3.5	3.5	4.5	+1.0	
College Plans:											
None or under 4 years	_	6.5	10.8	7.2	8.0	11.0	8.8	10.2	12.6	+2.3	
Complete 4 years	_	2.5	2.5	3.0	2.6	2.9	3.2	2.9	4.2	+1.4 ss	
Region:											
Northeast	_	3.6	3.7	4.6	3.8	3.1	2.8	3.2	3.6	+0.4	
Midwest	_	2.1	2.9	2.5	3.5	4.1	4.3	3.9	5.8	+1.9	
South	_	3.7	4.2	4.8	3.6	4.4	4.7	4.1	5.4	+1.3	
West	_	2.6	3.5	1.9	1.6	3.3	3.3	3.0	5.2	+2.2	
Population Density:											
Large MSA	_	2.0	2.3	2.1	2.8	3.4	3.5	2.5	4.5	+2.0 s	
Other MSA	_	3.3	3.6	3.7	2.7	3.3	3.5	4.1	5.8	+1.7	
Non-MSA	_	3.7	5.7	5.1	4.9	5.8	5.4	4.1	4.4	+0.2	
Parental Education. <sup>b</sup>											
1.0-2.0 (Low)	_	6.5	5.9	3.7	3.3	6.9	3.9	3.1	6.5	+3.4	
2.5–3.0	_	3.8	3.9	4.0	4.8	5.3	5.9	5.1	6.7	+1.7	
3.5-4.0	_	2.0	4.1	4.1	3.0	4.3	3.5	3.6	5.5	+1.9	
4.5–5.0	_	1.7	2.9	2.6	2.6	2.3	3.4	3.2	3.9	+0.7	
5.5-6.0 (High)	_	4.4	2.8	2.8	2.6	2.4	2.8	3.5	4.6	+1.1	
Race/Ethnicity (2-year average):											
White	_	_	3.6	4.1	4.1	4.1	4.6	4.7	5.0	+0.4	
African American	_	_	2.3	2.0	1.1	1.5	1.8	1.5	1.7	+0.2	
Hispanic	_	_	2.5	2.9	2.3	1.8	1.9	1.8	2.9	+1.1	

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

Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-47
OxyContin: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

				Pe	ercentage	who us	ed in last	t 12 mon	ths				2008-
	1975–	1980-	1990-	2000-									2009
	<u>1979</u>	<u>1989</u>	<u>1999</u>	2001	2002	2003	2004	2005	2006	2007	2008	2009	<u>change</u>
Approximate wtd. N =	_	_	_	_	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	
Total	_	_	_	_	4.0	4.5	5.0	5.5	4.3	5.2	4.7	4.9	+0.2
Gender:													
Male	_	_	_	_	5.6	6.2	6.1	7.4	5.3	6.3	5.3	6.5	+1.2
Female	_	_	_	_	2.6	2.8	3.4	3.5	2.9	4.0	4.0	3.4	-0.6
College Plans:													
None or under 4 years	_	_	_	_	7.0	8.8	8.2	9.9	7.4	7.8	7.6	6.7	-0.9
Complete 4 years	_	_	_	_	3.2	3.1	3.8	4.3	3.3	4.5	4.1	4.5	+0.4
Region:													
Northeast	_	_	_	_	5.0	5.5	4.6	6.0	5.5	5.5	4.6	5.0	+0.5
Midwest	_	_	_	_	5.0	4.5	4.2	6.0	4.3	5.1	4.4	5.4	+1.0
South	_	_	_	_	3.6	4.0	5.9	6.3	4.0	5.2	4.9	4.3	-0.6
West	_	_	_	_	2.6	4.4	4.7	3.0	3.6	5.1	4.9	5.0	+0.1
Population Density:													
Large MSA	_	_	_	_	3.7	2.8	4.6	4.8	4.4	4.2	3.9	4.2	+0.3
Other MSA	_	_	_	_	3.8	5.3	5.2	5.1	3.6	5.4	5.0	5.2	+0.1
Non-MSA	_	_	_	_	4.7	5.2	4.9	7.1	5.4	6.2	5.1	5.2	+0.2
Parental Education.b													
1.0-2.0 (Low)	_	_	_	_	6.3	6.9	3.7	5.5	4.2	4.4	3.8	4.9	+1.0
2.5-3.0	_	_	_	_	5.3	6.8	4.8	6.3	4.4	5.6	4.5	4.6	+0.1
3.5-4.0	_	_	_	_	3.9	3.4	6.5	6.3	5.1	5.0	6.0	5.8	-0.1
4.5-5.0	_	_	_	_	2.2	3.6	3.1	4.2	3.4	5.3	4.3	4.8	+0.4
5.5-6.0 (High)	_	_	_	_	4.0	2.5	4.3	4.8	3.5	4.3	3.8	4.1	+0.3
Race/Ethnicity (2-year average):													
White	_	_	_	_	_	4.7	5.1	5.8	5.4	5.5	6.0	5.8	-0.2
African American	_	_	_	_	_	2.5	2.4	2.0	2.2	2.4	2.1	2.0	-0.1
Hispanic	_	_	_	_	_	2.5	2.2	3.0	3.7	3.2	2.1	2.9	+0.8

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms in 2002–2005; N is two sixths of N indicated in Table D-S3. Data based on three of six forms beginning in 2006; N is three sixths of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-48
Vicodin: Trends in Annual Prevalence of Use by Subgroups in Grade 8

			Percer	ntage wh	o used ir	last 12	months			
	1991-	0000	0000	0004	0005	0000	0007	0000	2222	2008–
Approximate wtd. N =	<u>2001</u>	2002 15,100	2003 16,500	2004 17,000	2005 16,800	2006 16,500	2007 16,100	2008 15,700	2009 15,000	<u>change</u>
Total	_	2.5	2.8	2.5	2.6	3.0	2.7	2.9	2.5	-0.3
Gender:		2.0	2.0	2.0	2.0	0.0	,	2.0	2.0	0.0
Male	_	2.7	2.8	2.4	2.9	2.6	2.1	2.9	3.0	+0.1
Female	_	2.4	2.8	2.6	2.2	3.4	3.2	2.7	2.2	-0.5
College Plans:										
None or under 4 years	_	5.9	6.3	7.1	7.3	9.5	8.1	7.0	6.5	-0.4
Complete 4 years	_	2.1	2.4	2.0	1.9	2.4	2.1	2.5	2.3	-0.2
Region:										
Northeast	_	1.5	1.1	1.0	1.5	1.9	1.4	1.0	1.8	+0.8
Midwest	_	3.3	3.9	3.2	3.3	3.9	3.6	3.1	3.5	+0.4
South	_	2.5	2.1	2.1	2.3	2.2	2.1	2.9	1.7	-1.1
West	_	2.6	4.2	3.6	3.1	4.4	3.5	3.7	3.3	-0.4
Population Density:										
Large MSA	_	2.6	2.4	1.8	2.5	2.4	1.6	2.7	1.9	-0.8
Other MSA	_	3.0	3.1	3.0	2.6	3.3	3.4	3.0	2.6	-0.4
Non-MSA	_	1.6	2.5	2.4	2.6	3.3	2.8	2.8	3.2	+0.5
Parental Education: <sup>b</sup>										
1.0-2.0 (Low)	_	3.3	3.3	4.9	3.9	4.8	3.1	3.4	5.4	+2.0
2.5–3.0	_	3.9	3.4	4.1	3.8	4.0	3.0	3.3	3.8	+0.5
3.5-4.0	_	3.4	2.9	3.2	2.9	2.7	3.1	2.8	2.5	-0.3
4.5–5.0	_	1.4	2.1	1.1	1.9	2.6	2.4	3.2	1.5	-1.7 s
5.5-6.0 (High)	_	1.3	2.1	0.9	1.6	2.2	1.8	2.3	2.1	-0.2
Race/Ethnicity (2-year average). <sup>c</sup>										
White	_	_	3.0	2.7	2.4	2.9	3.2	3.2	2.8	-0.4
African American	_	_	1.4	1.4	1.6	1.7	1.6	1.6	1.9	+0.3
Hispanic		<u> </u>	2.1	3.3	3.6	2.8	2.6	2.1	2.5	+0.4

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .01. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-49
Vicodin: Trends in Annual Prevalence of Use by Subgroups in Grade 10

			Percer	ntage wh	o used ir	n last 12	months			_	2008-
										2008-	2009
	1991– 2001	2002	2003	2004	2005	2006	2007	2008	2000	2009	adjusted
Approximate wtd. N =	<u>2001</u>	<u>2002</u> 14,300	<u>2003</u> 15,800		16,200	16,200	16,100	<u>2006</u> 15,100	2009 15 000	<u>change</u>	change
Total	_	6.9	7.2	6.2	5.9	7.0	7.2	6.7	,	+1.4	[-0.3]
Gender:		0.0		0.2	0.0	1.0		0.7	0.1		[ 0.0]
Male	_	7.4	8.4	6.2	5.5	7.0	7.5	7.1	9.2	+2.0	
Female	_	6.1	6.1	6.0	6.2	6.9	6.8	6.4		+0.7	
College Plans:		0	0	0.0	0.2	0.0	0.0	0			
None or under 4 years	_	13.4	15.8	11.6	13.2	17.2	15.2	16.5	17.6	+1.1	
Complete 4 years	_	5.7	5.8	5.4	4.8	5.6	6.1	5.6		+1.4	
Region:											
Northeast	_	6.2	5.6	6.4	5.7	4.9	6.5	5.3	5.1	-0.2	
Midwest	_	7.2	9.4	6.4	7.1	8.7	8.8	8.4	10.5	+2.0	
South	_	5.3	5.0	5.0	5.0	4.2	4.5	5.2	5.6	+0.4	
West	_	10.0	9.1	7.1	5.8	11.1	9.4	7.9	12.1	+4.2 s	
Population Density:											
Large MSA	_	5.7	7.1	4.8	6.5	6.1	6.8	6.2	7.7	+1.6	
Other MSA	_	7.9	6.4	6.9	5.3	7.6	7.2	6.7	8.9	+2.2	
Non-MSA	_	6.2	9.2	6.4	6.3	6.9	7.8	7.6	7.1	-0.5	
Parental Education. <sup>b</sup>											
1.0-2.0 (Low)	_	6.1	6.4	6.4	4.9	7.6	6.5	6.3	10.4	+4.1	
2.5–3.0	_	8.0	8.3	8.2	7.7	8.0	8.6	7.5	9.1	+1.6	
3.5-4.0	_	7.5	8.5	6.2	6.8	8.1	8.2	7.9	9.0	+1.1	
4.5–5.0	_	5.7	6.3	5.1	5.0	5.6	7.0	6.0	7.3	+1.3	
5.5-6.0 (High)	_	6.6	5.6	5.0	4.6	6.3	4.7	5.7	6.0	+0.4	
Race/Ethnicity (2-year average):											
White	_	_	8.0	7.6	7.1	7.4	8.3	8.5	8.3	-0.2	
African American	_	_	3.1	3.0	1.6	2.2	2.4	2.2	2.7	+0.5	
Hispanic	_	_	6.5	6.0	4.8	4.4	4.2	4.1	6.2	+2.1	

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

Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; *N* is one third of *N* indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-50
Vicodin: Trends in Annual Prevalence of Use by Subgroups in Grade 12

				Pe	ercentage	e who us	ed in las	t 12 mon	ths				2008-
•	1975-	1980-	1990-	2000-									2009
	<u>1979</u>	<u>1989</u>	<u>1999</u>	<u>2001</u>	2002	2003	<u>2004</u>	<u>2005</u>	2006	<u>2007</u>	2008	2009	<u>change</u>
Approximate wtd. N =	_	_	_	_	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	
Total	_	_	_	_	9.6	10.5	9.3	9.5	9.7	9.6	9.7	9.7	0.0
Gender:													
Male	_	_	_	_	12.0	13.0	10.7	11.9	10.9	10.9	10.6	11.5	+0.9
Female	_	_	_	_	7.5	8.1	7.6	7.2	8.7	8.1	8.9	7.9	-1.0
College Plans:													
None or under 4 years	_	_	_	_	13.0	14.7	11.6	14.3	11.8	13.2	15.0	13.1	-1.9
Complete 4 years	_	_	_	_	8.4	9.1	8.3	8.4	9.1	8.5	8.5	8.9	+0.4
Region:													
Northeast	_	_	_	_	8.1	9.4	9.1	8.8	10.8	9.3	9.9	9.0	-0.8
Midwest	_	_	_	_	11.6	13.2	8.4	12.4	12.0	14.1	11.7	14.3	+2.6
South	_	_	_	_	8.1	6.1	7.0	7.8	6.9	6.3	7.3	6.2	-1.1
West	_	_	_	_	10.9	16.3	15.4	9.3	11.2	10.9	11.1	10.4	-0.7
Population Density:													
Large MSA	_	_	_	_	9.7	7.3	8.3	8.9	10.4	9.1	8.4	8.6	+0.2
Other MSA	_	_	_	_	10.6	12.2	10.9	9.3	9.4	9.3	10.0	9.7	-0.3
Non-MSA	_	_	_	_	7.8	11.4	7.2	10.6	9.5	10.7	10.5	11.3	+0.8
Parental Education: <sup>b</sup>													
1.0-2.0 (Low)	_	_	_	_	12.1	9.4	7.8	7.8	7.9	6.3	7.8	9.6	+1.8
2.5-3.0	_	_	_	_	9.6	10.8	8.8	10.5	9.3	10.2	10.5	9.2	-1.3
3.5-4.0	_	_	_	_	9.5	12.0	10.1	10.0	11.6	9.9	11.2	10.9	-0.3
4.5-5.0	_	_	_	_	9.9	9.7	8.4	9.0	8.6	10.5	8.8	10.3	+1.5
5.5-6.0 (High)	_	_	_	_	8.6	8.8	10.1	8.9	10.4	7.9	8.8	7.7	-1.1
Race/Ethnicity (2-year average):													
White	_	_	_	_	_	11.7	11.2	10.5	11.3	11.5	11.6	11.8	+0.2
African American	_	_	_	_	_	3.3	3.1	3.3	3.7	3.3	3.6	4.3	+0.6
Hispanic	_	_	_	_	_	7.1	7.2	7.7	6.5	5.7	4.9	5.7	+0.8

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms in 2002–2005; N is two sixths of N indicated in Table D-S3. Data based on three of six forms beginning in 2006; N is three sixths of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-51
Amphetamines: Trends in Annual Prevalence of Use by Subgroups in Grade 8

								Percer	tage who	o used in	last 12	months								2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009
Approximate wtd. N =		18.600	18.300	17.300	17.500	17.800	18.600	18.100		16.700	16,200	<u>2002</u> 15,100	2003 16.500	<u>2004</u> 17.000	2005 16.800	16,500	<u>2007</u> 16.100	2006 15,700	15,000	<u>change</u>
Total	6.2	6.5	7.2	7.9	8.7	9.1	8.1	7.2	6.9	6.5	6.7	5.5	5.5	4.9	4.9	4.7	4.2	4.5	4.1	-0.4
Gender:	0.2	0.0	1.2	7.5	0.7	5.1	0.1	1.2	0.5	0.5	0.7	0.0	0.0	4.5	4.5	7.7	7.2	4.0	7.1	0.4
Male	5.5	5.2	5.6	6.5	7.0	6.7	6.6	5.6	5.6	5.1	5.7	4.8	4.4	3.7	3.5	3.5	3.3	3.5	3.7	+0.2
Female	6.9	7.9	8.8	9.3	10.3	11.3	9.6	8.7	8.2	7.7	7.5	6.2	6.5	6.1	6.2	5.7	4.9	5.5	4.4	-1.0
College Plans:														•		•				
None or under 4 years	11.6	12.9	14.6	14.5	17.1	15.5	14.1	15.4	14.0	14.2	12.0	12.2	12.4	8.9	11.2	10.7	10.0	12.4	10.8	-1.5
Complete 4 years	5.4	5.7	6.3	7.0	7.6	8.3	7.5	6.3	6.2	5.7	6.1	4.8	4.8	4.5	4.3	4.1	3.6	3.8	3.5	-0.4
Region:																				
Northeast	5.1	4.3	5.9	6.9	7.3	7.6	6.5	5.5	5.6	5.0	5.5	3.4	4.1	2.8	3.5	2.2	2.6	2.6	2.9	+0.3
Midwest	7.1	8.0	7.3	7.8	10.6	10.8	9.3	7.2	8.3	7.8	7.1	5.9	5.9	5.1	5.0	5.3	4.8	5.1	4.1	-1.0
South	6.1	6.6	7.3	8.3	8.6	8.7	8.1	8.4	7.5	7.0	8.1	6.7	6.4	5.7	5.8	5.6	4.6	5.5	5.1	-0.3
West	6.0	6.6	8.6	8.4	7.9	9.1	8.3	6.7	5.4	5.4	4.6	4.7	4.6	4.9	4.6	4.3	3.7	3.8	3.0	-0.8
Population Density:																				
Large MSA	5.8	4.8	5.6	6.6	7.2	7.9	6.4	5.4	5.2	5.2	5.0	4.2	3.9	4.0	3.6	3.9	3.4	4.1	2.7	-1.5 s
Other MSA	6.2	7.5	8.2	8.8	8.9	10.0	8.1	7.4	6.8	6.4	7.6	5.9	5.5	5.4	5.8	4.8	4.6	4.8	4.8	0.0
Non-MSA	6.7	7.0	7.5	7.5	10.1	8.9	9.9	8.8	9.3	8.5	6.9	6.3	7.5	5.0	5.2	5.4	4.4	4.4	4.3	-0.1
Parental Education.b																				
1.0-2.0 (Low)	8.3	8.4	10.2	11.2	11.8	10.1	9.6	11.2	8.9	9.7	7.4	6.3	8.4	9.7	8.3	6.5	7.3	7.9	6.5	-1.4
2.5-3.0	6.6	7.3	8.2	9.0	10.6	9.9	9.2	8.1	7.8	8.1	8.2	7.3	7.4	5.2	6.6	6.0	4.9	6.0	4.5	-1.6
3.5-4.0	6.7	7.4	7.8	8.5	10.1	10.3	8.9	7.7	8.2	6.8	7.8	5.7	5.9	5.6	5.6	5.0	4.5	5.4	5.3	-0.1
4.5-5.0	5.3	5.5	6.4	6.6	6.8	8.6	7.5	6.2	5.6	5.2	5.9	4.9	4.3	4.2	3.7	4.2	2.9	3.2	3.3	+0.1
5.5-6.0 (High)	5.7	5.4	5.3	5.7	6.4	8.7	7.3	6.4	5.8	5.2	4.5	4.3	3.9	3.5	3.1	3.6	3.5	3.4	2.8	-0.6
Race/Ethnicity (2-year average):																				
White	_	6.8	7.4	8.1	9.3	10.2	9.9	9.0	8.4	8.0	7.8	7.2	6.4	5.9	5.4	5.3	4.9	4.9	4.9	0.0
African American	_	3.3	3.4	3.9	3.9	3.4	3.0	2.8	2.7	2.4	2.3	2.7	2.5	2.1	2.2	2.0	1.7	1.8	2.4	+0.6
Hispanic	_	7.2	7.7	8.6	8.7	8.6	8.1	7.2	7.0	6.8	6.6	5.9	5.0	5.4	5.3	4.5	3.9	4.0	3.9	-0.1

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

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

See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table. In 2009, the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording changes.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>°</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-52
Amphetamines: Trends in Annual Prevalence of Use by Subgroups in Grade 10

2008-

								Percer	ntage wh	o used ir	last 12	months								2008-	2008–
Approximate wtd. N =	<u>1991</u> 14,800	<u>1992</u> 14,800	<u>1993</u> 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	<u>1999</u> 13,600	2000 14,300	<u>2001</u> 14,000	2002 14,300	2003 15,800	<u>2004</u> 16,400	2005 16,200	2006 16,200	<u>2007</u> 16,100	2008 15,100	<u>2009</u> 15,900	2009 change	adjusted change
Total	8.2	8.2	9.6	10.2	11.9	12.4	12.1	10.7	10.4	11.1	11.7	10.7	9.0	8.5	7.8	7.9	8.0	6.4	7.1	+0.8	[+0.6]
Gender:																					
Male	7.0	7.0	8.2	8.6	9.6	10.5	10.3	9.0	9.2	10.3	10.6	9.6	7.8	7.3	6.6	6.7	7.4	5.8	6.8	+1.0	
Female	9.3	9.3	10.9	11.7	14.1	14.2	13.9	12.3	11.5	11.8	12.7	11.8	10.1	9.6	9.0	8.9	8.7	6.9	7.4	+0.4	
College Plans:																					
None or under 4 years	13.4	14.4	15.5	16.6	19.9	20.3	19.3	17.9	16.3	18.2	20.4	17.5	15.7	14.8	13.7	14.8	15.4	12.5	15.3	+2.8	
Complete 4 years	7.1	6.9	8.4	8.9	10.6	11.1	10.9	9.5	9.5	10.0	10.3	9.7	7.9	7.6	7.0	7.0	7.1	5.6	6.3	+0.7	
Region:																					
Northeast	6.1	5.4	7.8	8.7	9.8	11.5	10.7	11.0	12.1	9.8	10.5	9.3	7.4	8.5	7.4	6.7	7.3	4.2	5.2	+1.0	
Midwest	10.3	9.4	9.5	10.5	13.3	14.0	11.0	9.8	10.3	11.1	10.7	10.4	9.7	8.2	8.5	8.7	8.7	7.3	7.0	-0.3	
South	8.1	8.7	10.9	11.2	12.8	12.6	14.2	12.6	10.8	12.0	14.0	12.2	10.2	9.6	8.6	8.5	8.1	6.8	8.3	+1.5	
West	7.7	8.4	9.5	9.4	10.6	10.6	11.1	8.5	8.2	10.9	9.9	9.6	8.1	7.3	5.8	7.1	7.7	6.6	7.4	+0.8	
Population Density:																					
Large MSA	7.5	6.7	7.6	8.0	9.2	10.5	9.9	8.9	9.3	10.7	9.8	9.8	6.2	6.2	6.5	6.8	7.5	5.4	6.3	+0.9	
Other MSA	7.9	8.0	9.5	10.8	12.8	12.8	11.5	10.3	10.6	9.9	11.1	11.0	9.5	9.6	8.0	8.3	8.0	6.6	7.7	+1.0	
Non-MSA	9.3	10.0	11.6	11.2	13.3	13.7	15.5	13.8	11.5	13.6	15.1	11.2	12.2	9.2	9.0	8.7	9.0	7.2	7.3	+0.1	
Parental Education.b																					
1.0-2.0 (Low)	10.0	11.9	12.3	10.8	14.3	15.1	12.2	12.6	10.7	13.3	12.3	13.1	10.9	9.2	8.9	9.3	7.9	7.8	9.8	+2.0	
2.5–3.0	9.7	8.9	10.5	11.6	14.2	13.0	14.1	12.8	11.3	12.9	13.6	12.8	11.2	9.9	8.9	9.0	10.2	7.6	8.0	+0.4	
3.5-4.0	7.9	8.4	10.5	11.1	12.4	14.1	13.5	11.1	11.2	12.2	12.6	11.1	9.9	10.1	8.1	9.1	8.9	7.7	7.8	+0.2	
4.5–5.0	7.4	6.6	7.5	8.9	10.7	10.7	10.6	9.0	9.8	9.7	10.5	9.5	7.6	7.2	7.4	6.6	6.9	5.4	6.0	+0.6	
5.5-6.0 (High)	6.9	6.9	8.3	7.3	8.8	10.1	9.2	9.4	9.8	8.8	9.2	8.1	6.4	6.3	6.6	6.8	6.0	4.3	6.5	+2.2 s	
Race/Ethnicity (2-year average):																					
White	_	9.4	10.1	11.0	12.4	13.9	14.2	13.6	12.6	12.7	13.4	13.4	12.2	10.6	9.5	9.2	9.4	8.7	7.8	-0.9	
African American	_	2.8	3.0	4.0	4.0	3.4	3.1	2.9	2.8	2.5	2.9	3.5	2.8	2.7	3.0	2.8	2.3	2.3	2.3	0.0	
Hispanic	_	6.2	7.0	7.7	8.9	10.3	9.8	8.9	8.8	9.1	8.3	7.9	7.7	7.3	7.3	6.3	5.8	6.0	6.1	+0.2	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table. In 2009, the question text was changed slightly in half of the questionnaire forms. An examination of data did not show any effect from the wording changes.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-53
Amphetamines: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

Percentage who used in last 12 months Cont. 1991 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 17,500 17,700 16,300 15,200 15,000 9,400 15,400 17,100 15,500 15,900 16,300 15,900 16,000 15,200 16,300 16,700 Approximate wtd. N = 17,800 12.2 Total 16.2 15.8 16.3 17.1 18.3 20.8 26.0 20.3 17.9 17.7 15.8 13.4 10.9 10.8 9.1 8.2 Gender: Male 15.6 15.8 16.0 16.9 18.4 19.7 24.8 19.6 17.2 16.8 14.9 12.7 11.8 10.8 11.1 9.4 8.3 Female 16.5 15.4 16.4 17.1 17.8 21.8 26.9 20.3 17.9 18.2 16.4 13.8 12.4 10.9 10.5 8.6 7.9 College Plans: None or under 4 years 19.3 20.5 20.0 21.8 25.8 30.9 23.7 20.9 22.2 19.7 17.7 16.0 13.9 15.1 12.6 11.0 Complete 4 years 11.9 11.5 13.7 14.5 16.5 22.3 16.8 14.5 14.2 13.3 10.9 10.2 9.5 9.1 7.4 7.0 Region: Northeast 16.5 16.8 19.6 22.0 22.0 28.8 17.9 19.0 16.8 12.6 10.4 9.0 6.3 6.5 14.7 21.5 8.4 Midwest 18.7 17.8 19.0 18.2 18.3 22.2 30.1 24.1 20.4 20.3 17.3 15.2 13.5 12.2 13.3 10.7 10.1 South 12.6 13.7 13.2 14.0 14.0 17.7 19.6 16.4 15.4 15.1 12.8 11.5 11.5 10.8 9.9 8.9 7.9 West 18.5 17.2 16.0 17.8 20.7 22.1 26.6 18.7 18.2 16.9 17.3 15.0 13.4 11.8 11.1 10.2 7.8 Population Density: Large MSA 19.6 17.7 19.5 7.1 15.4 15.3 21.9 28.0 21.6 18.1 17.7 15.0 11.2 10.9 8.8 6.5 6.2 Other MSA 15.5 16.3 17.1 17.5 18.9 20.8 25.5 20.7 19.6 17.1 15.7 14.2 11.9 11.9 11.4 9.6 8.4 Non-MSA 14.8 15.4 15.9 16.0 16.6 19.9 25.1 18.8 15.6 18.5 16.6 14.1 14.0 11.3 13.3 10.6 9.5 Parental Education:b 1.0-2.0 (Low) 15.7 13.4 14.5 14.9 16.0 19.1 22.3 18.7 15.7 17.1 14.5 11.9 11.9 9.8 10.4 7.6 9.5 2.5-3.0 16.9 17.4 22.2 26.7 21.9 19.6 19.2 17.0 15.2 13.3 9.7 9.1 16.7 17.3 18.4 11.1 11.7 3.5-4.0 16.6 16.1 21.5 26.9 19.4 18.5 14.3 12.6 12.3 10.6 14.9 18.2 19.6 21.7 17.2 11.8 8.9 4.5-5.0 14.5 16.8 15.9 16.9 17.1 20.0 26.2 19.1 18.9 15.9 15.1 12.0 11.7 10.3 9.4 8.1 6.5 5.5-6.0 (High) 12.0 14.6 16.0 17.2 20.4 17.9 26.8 20.5 16.1 14.0 10.9 10.1 10.4 10.0 9.1 7.3 5.7 Race/Ethnicity (2-year average): 17.3 18.2 19.2 21.3 26.4 23.6 22.3 20.5 18.9 16.4 14.3 13.0 12.4 11.4 9.8 African American 5.3 4.7 4.2 5.3 5.8 6.0 5.7 4.7 4.3 4.0 3.8 3.9 3.6 3.1 2.7 Hispanic 12.3 12.2 12.8 14.5 17.5 12.3 11.5 13.2 14.6 10.8 8.7 9.6 9.0 7.0 6.1

(Table continued on next page.)

TABLE D-53 (cont.)
Amphetamines: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

							Pe	ercentage	who use	ed in last	12 mont	hs							2008-
																			2009
Approximate wtd. N =	1992	1993 16.300	<u>1994</u> 15.400	<u>1995</u> 15.400	1996 14.300	<u>1997</u> 15.400	1998 15,200	1999 13,600	2000 12,800	2001 12.800	2002 12.900	2003 14.600	2004 14.600	2005 14.700	2006 14,200	2007 14,500	2008 14.000	2009 13.700	<u>change</u>
	,	-,	-,	-,	,	-,	,	,	,	,	,	,	,	,	,	,	,	-,	0.0
Total Gender:	7.1	8.4	9.4	9.3	9.5	10.2	10.1	10.2	10.5	10.9	11.1	9.9	10.0	8.6	8.1	7.5	6.8	6.6	-0.2
	7.0	0.0	0.0	0.5	0.0	40.4	40.0	40.0	40.4	40.0	44.0	0.0	0.0	0.4	7.4	7.4	0.5	7.5	.4.0
Male	7.2	8.2	9.2	9.5	9.6	10.1	10.3	10.6	10.4	10.9	11.3	9.8	9.9	9.1	7.4	7.4	6.5	7.5	+1.0
Female	6.9	8.5	9.4	8.9	8.8	10.2	9.8	9.6	10.5	10.6	10.7	9.5	9.9	7.9	8.5	7.3	6.8	5.7	-1.1
College Plans:																			
None or under 4 years	9.7	11.0	13.4	12.3	12.8	14.1	13.6	12.7	13.9	14.4	14.8	14.4	13.3	11.5	10.6	10.3	10.7	8.4	-2.3 s
Complete 4 years	6.1	7.6	8.0	8.3	8.4	8.9	9.0	9.5	9.6	9.8	10.1	8.4	8.9	7.8	7.5	6.7	5.7	6.1	+0.4
Region:																			
Northeast	6.2	8.1	7.4	9.6	10.4	11.1	9.0	9.9	10.6	12.0	11.5	9.7	9.5	7.4	8.5	7.5	6.5	6.7	+0.2
Midwest	8.4	8.9	12.0	9.5	10.0	10.8	11.0	10.5	10.4	12.7	11.3	10.3	10.2	10.3	7.6	8.2	6.9	7.8	+0.9
South	6.7	8.3	9.0	9.2	9.1	9.8	10.4	10.8	10.2	9.5	11.7	9.7	10.3	9.4	8.8	7.9	7.1	6.5	-0.6
West	6.9	8.3	8.4	8.9	8.3	9.1	9.6	8.8	10.9	9.7	9.6	9.7	9.5	6.1	7.0	5.8	6.3	5.2	-1.1
Population Density:																			
Large MSA	6.0	6.5	7.8	9.1	7.9	8.9	9.0	7.0	8.3	10.6	10.7	7.5	8.0	7.8	8.7	6.7	6.2	6.3	+0.2
Other MSA	6.7	8.5	9.4	8.5	8.9	9.5	9.9	10.8	10.9	10.8	11.0	10.5	10.6	8.9	7.6	7.4	6.7	7.0	+0.2
Non-MSA	9.0	9.8	10.9	10.8	11.9	13.0	12.2	12.4	12.4	11.4	12.1	11.7	11.1	8.9	8.2	8.6	7.5	6.2	-1.4
Parental Education:b																			
1.0-2.0 (Low)	7.0	9.0	10.4	9.9	8.1	9.8	9.7	9.9	11.0	8.9	8.1	10.6	7.5	6.1	8.2	7.5	7.3	5.5	-1.8
2.5–3.0	7.7	8.6	10.3	9.9	10.5	10.3	10.6	11.3	11.0	12.2	11.4	9.9	11.0	9.2	8.2	7.6	7.3	7.3	0.0
3.5-4.0	7.7	9.1	9.4	9.1	9.3	10.8	11.4	10.8	10.6	11.6	12.3	10.7	12.3	9.5	8.9	7.6	6.5	7.3	+0.8
4.5–5.0	6.3	8.0	9.5	9.2	8.9	9.4	9.4	9.7	10.3	10.7	11.1	9.4	8.2	8.5	7.8	7.4	6.2	6.3	+0.1
5.5-6.0 (High)	5.8	7.6	7.1	8.1	9.1	10.2	8.7	8.4	10.2	8.7	10.2	7.7	8.4	7.4	7.0	7.1	7.1	5.6	-1.5
Race/Ethnicity (2-year average): <sup>c</sup>																			
White	8.8	9.0	10.4	10.7	10.5	11.4	12.1	11.9	11.9	12.6	13.2	12.4	11.6	11.0	9.9	9.3	8.7	8.1	-0.6
African American	2.2	2.3	3.4	3.4	2.9	2.8	2.8	2.5	2.6	3.0	2.9	2.8	2.4	2.4	2.6	2.5	2.2	2.3	0.0
Hispanic	6.0	6.2	6.4	7.1	7.8	7.3	7.0	7.6	9.2	9.2	7.9	6.8	7.0	6.7	6.4	5.8	4.7	4.4	-0.2

 $\label{eq:Source.} \textit{Source.} \ \ \textit{The Monitoring the Future study, the University of Michigan.}$ 

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

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

See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. In 2009, the question text was changed slightly in half of the questionnaire forms.

An examination of the data did not show any effect from the wording changes.

<sup>&</sup>lt;sup>®</sup>Beginning in 1982, the question about amphetamine use was revised to get respondents to exclude the inappropriate reporting of nonprescription amphetamines. The prevalence rate dropped slightly as a result of this methodological change. (In 1982 and 1983, the data are based on three of the five questionnaire forms.) Only drug use not under a doctor's orders is included here. In 2009, the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording changes.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-54
Ritalin: Trends in Annual Prevalence of Use by Subgroups in Grade 8

			P	ercentag	e who us	sed in las	t 12 mor	nths			_
	1991–										2008–
Approximate wtd. N =	<u>2000</u>	2001 16,200	2002 15,100	2003 16,500	2004 17,000	2005 16,800	2006 16,500	2007 16,100	2008 15,700	2009 15,000	change
Total	_	2.9	2.8	2.6	2.5	2.4	2.6	2.1	1.6	1.8	+0.2
Gender:		2.0	2.0	2.0	2.0		2.0				. 0.2
Male	_	3.2	3.2	2.9	2.6	2.4	2.7	1.9	1.5	2.4	+0.9
Female	_	2.6	2.5	2.3	2.4	2.4	2.5	2.3	1.5	1.4	-0.1
College Plans:											
None or under 4 years	_	8.1	7.7	6.8	8.8	7.5	9.0	4.2	5.7	5.3	-0.5
Complete 4 years	_	2.4	2.2	2.1	1.8	1.8	1.9	1.8	1.2	1.6	+0.3
Region:											
Northeast	_	1.5	2.8	1.7	1.6	2.0	2.0	0.9	0.4	1.2	+0.8
Midwest	_	3.0	3.0	2.9	2.4	1.9	3.2	2.4	2.0	2.3	+0.2
South	_	3.5	2.8	2.9	3.0	3.0	2.5	2.5	2.2	1.5	-0.6
West	_	2.9	2.5	2.2	2.5	2.1	2.7	1.6	1.2	2.2	+1.0
Population Density:											
Large MSA	_	2.2	2.3	2.3	1.7	1.5	2.3	1.2	1.1	1.6	+0.4
Other MSA	_	2.9	3.1	2.8	3.0	3.4	3.0	2.7	1.8	1.9	+0.1
Non-MSA	_	3.5	2.8	2.4	2.4	1.7	2.3	2.0	1.9	2.0	+0.1
Parental Education. <sup>b</sup>											
1.0-2.0 (Low)	_	4.8	5.3	2.5	4.2	5.2	6.5	1.9	4.4	4.6	+0.2
2.5–3.0	_	3.3	4.0	2.8	2.9	2.7	3.1	2.3	2.2	2.2	0.0
3.5-4.0	_	3.5	3.3	3.3	2.7	2.7	2.6	2.4	1.7	2.1	+0.4
4.5–5.0	_	2.4	1.5	1.8	2.1	1.5	2.0	1.8	1.0	1.3	+0.3
5.5-6.0 (High)	_	2.1	1.7	2.1	1.9	1.6	1.2	1.8	0.7	1.4	+0.7
Race/Ethnicity (2-year average):											
White	_	_	3.0	2.8	2.7	2.5	2.6	2.4	1.9	1.7	-0.2
African American	_	_	1.0	1.3	1.5	1.6	1.8	1.8	1.8	1.3	-0.5
Hispanic			3.8	2.7	2.5	3.3	3.1	2.8	2.1	1.5	-0.5

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-55
Ritalin: Trends in Annual Prevalence of Use by Subgroups in Grade 10

			Pe	ercentag	e who us	ed in las	t 12 mor	nths			_	2008-
											2008–	2009
	1991– 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change	adjusted change
Approximate wtd. N =	<u>2000</u>	14.000	14,300	15.800	16.400	16.200	16,200	16,100	15,100	2009 15,900	criarige	change
Total	_	4.8	4.8	4.1	3.4	3.4	3.6	2.8	2.9	3.6	+0.7	[-0.1]
Gender:												
Male	_	5.2	4.9	4.2	3.6	3.2	3.7	2.6	3.0	3.8	+0.8	
Female	_	4.3	4.6	3.8	3.0	3.5	3.7	2.9	2.9	3.4	+0.4	
College Plans:												
None or under 4 years	_	7.2	10.2	11.0	5.5	6.7	9.1	6.0	8.6	9.3	+0.7	
Complete 4 years	_	4.3	3.8	2.9	3.0	2.9	2.8	2.3	2.3	3.0	+0.7	
Region:												
Northeast	_	5.5	3.6	3.8	4.5	4.1	3.0	2.8	3.3	4.0	+0.6	
Midwest	_	4.6	4.8	4.2	2.7	4.8	4.0	3.6	3.1	4.6	+1.5	
South	_	5.3	5.2	4.2	3.8	3.0	3.4	3.0	3.0	3.5	+0.6	
West	_	3.1	5.1	3.9	2.4	1.4	4.2	1.6	2.4	2.3	-0.1	
Population Density:												
Large MSA	_	4.3	3.6	4.0	2.6	4.0	2.8	2.9	2.0	3.3	+1.3	
Other MSA	_	4.6	5.8	3.7	3.6	3.3	4.1	2.5	3.3	3.6	+0.3	
Non-MSA	_	5.8	4.3	5.1	3.7	2.8	3.7	3.0	3.5	4.1	+0.7	
Parental Education. <sup>b</sup>												
1.0-2.0 (Low)	_	5.0	7.7	4.2	4.8	3.3	3.9	3.9	2.8	4.1	+1.3	
2.5–3.0	_	5.4	5.9	5.0	3.4	4.4	3.8	3.2	2.9	3.9	+0.9	
3.5-4.0	_	5.0	4.2	4.1	3.0	2.6	3.6	2.7	2.9	3.8	+0.9	
4.5–5.0	_	4.2	3.6	3.7	2.9	4.0	3.4	2.6	3.4	3.3	-0.1	
5.5–6.0 (High)	_	4.6	4.7	3.3	3.7	2.8	4.0	2.2	2.8	3.8	+1.0	
Race/Ethnicity (2-year average). <sup>c</sup>												
White	_	_	5.5	4.8	4.1	3.9	3.9	3.7	3.5	3.8	+0.3	
African American	_	_	1.8	2.5	1.9	1.0	1.5	1.7	1.4	1.2	-0.2	
Hispanic	_	_	3.1	4.4	3.6	2.2	2.1	1.9	1.6	2.3	+0.7	

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-56
Ritalin: Trends in Annual Prevalence of Use by Subgroups in Grade 12

						Percer	tage wh	o used ir	n last 12	months					2008-
		1975–	1980–	1990–											2009
		<u>1979</u>	<u>1989</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	<u>2005</u>	2006	<u>2007</u>	2008	2009	<u>change</u>
	Approximate wtd. N =	_	_	_	_	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	
Total		_	_	_	_	5.1	4.0	4.0	5.1	4.4	4.4	3.8	3.4	2.1	-1.3 s
Gender:															
Male		_	_	_	_	6.0	5.1	5.5	6.0	5.4	4.5	3.6	3.7	3.2	-0.5
Female		_	_	_	_	4.1	2.8	2.6	4.0	3.3	3.8	3.5	2.9	1.1	-1.8 sss
College Pla	ans:														
None or u	nder 4 years	_	_	_	_	6.4	7.7	4.4	6.8	5.3	5.3	5.6	4.2	3.2	-1.0
Complete	4 years	_	_	_	_	4.7	3.0	3.7	4.4	4.1	4.0	3.3	3.2	1.8	-1.4 ss
Region:															
Northeast		_	_	_	_	4.7	4.5	4.6	4.1	4.7	6.1	4.1	4.2	1.3	-2.9 s
Midwest		_	_	_	_	7.4	5.4	3.8	6.0	5.3	3.8	5.2	3.4	3.0	-0.4
South		_	_	_	_	4.1	3.4	3.5	4.7	4.6	4.3	3.0	3.4	2.1	-1.3
West		_	_	_	_	3.8	2.6	4.4	5.5	2.7	3.8	3.5	2.8	1.7	-1.1
Population	Density:														
Large MS	A	_	_	_	_	7.2	3.9	3.2	4.2	4.1	5.4	4.0	4.1	2.4	-1.7
Other MS	A	_	_	_	_	3.7	4.0	5.1	5.6	5.1	3.9	3.4	3.5	2.2	-1.3
Non-MSA		_	_	_	_	5.4	4.0	2.9	4.9	3.4	3.8	4.2	2.4	1.5	-0.9
Parental Ed	ducation:b														
1.0-2.0 (L	_ow)	_	_	_	_	5.6	5.3	3.1	5.2	5.5	5.2	2.1	2.0	2.6	+0.6
2.5-3.0		_	_	_	_	4.5	4.2	3.7	4.2	4.2	3.6	4.1	3.4	3.3	-0.1
3.5-4.0		_	_	_	_	5.0	3.9	4.8	6.3	4.1	4.6	3.5	3.6	1.3	-2.2 ss
4.5-5.0		_	_	_	_	4.7	3.5	3.5	4.6	3.9	4.7	4.7	3.1	1.9	-1.2
5.5-6.0 (H	High)	_	_	_	_	6.6	3.9	4.0	4.5	6.0	4.6	2.7	4.5	1.7	-2.7 s
	city (2-year average).														
White		_	_	_	_	_	5.4	4.6	5.2	5.3	4.9	4.9	4.3	3.1	-1.2
African Ar	merican	_	_	_	_	_	0.8	1.2	1.2	2.0	2.3	1.8	1.5	1.5	+0.1
Hispanic		_	_	_	_	_	3.1	3.3	3.6	3.6	3.9	2.7	1.5	1.9	+0.4

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

Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-57

Adderall: Annual Prevalence of Use by Subgroups in Grades 8, 10, and 12, 2009

	Percer	ntage who used in last 12	months
	8th Graders	10th Graders	12th Graders
Approximate weighted N =	5,000	5,300	4,600
Total	2.0	5.7	5.4
Gender:			
Male	2.8	6.1	7.4
Female	1.3	5.3	3.8
College Plans:			
None or under 4 years	6.1	15.1	7.0
Complete 4 years	1.7	4.8	5.0
Region:			
Northeast	1.0	4.2	5.1
Midwest	2.3	8.4	7.9
South	2.3	6.5	5.1
West	1.8	3.4	3.2
Population Density:			
Large MSA	1.9	6.2	5.9
Other MSA	2.0	5.9	5.5
Non-MSA	2.0	4.8	4.5
Parental Education.b			
1.0-2.0 (Low)	5.3	7.9	4.0
2.5–3.0	1.8	6.6	5.7
3.5-4.0	2.9	5.4	6.1
4.5–5.0	1.4	4.9	5.5
5.5-6.0 (High)	1.1	6.7	4.7
Race/Ethnicity (2-year average): <sup>c</sup>			
White	_	_	_
African American	_	_	_
Hispanic	_	_	_

Notes. "—" indicates data not available.

See Tables D-S1 through D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data for 8th and 10th graders based on one of four forms; N is one third of N indicated in Tables D-S1 and D-S2.

Data for 12th graders based on two of six forms; N is two sixths of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>Results for the three racial/ethnic groups are not presented because only limited numbers of cases are available in the first year in which a drug is introduced to the study.

TABLE D-58
Provigil: <sup>a</sup> Annual Prevalence of Use by Subgroups in Grade 12, 2009

	Percentage who used in last 12 months
	III Idol 12 Monato
Approximate weighted N =	4,600
Total	1.8
Gender:	
Male	2.3
Female	1.3
College Plans:	
None or under 4 years	4.0
Complete 4 years	1.3
Region:	
Northeast	1.9
Midwest	2.0
South	1.9
West	1.4
Population Density:	
Large MSA	1.9
Other MSA	1.7
Non-MSA	2.0
Parental Education.b	
1.0-2.0 (Low)	3.8
2.5-3.0	2.0
3.5-4.0	1.7
4.5-5.0	1.2
5.5-6.0 (High)	1.1
Race/Ethnicity (2-year data): <sup>c</sup>	
White	_
African American	_
Hispanic	

Notes. "—" indicates data not available.

See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data is based on two of six forms; N is two sixths of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>Results for the three racial/ethnic groups are not presented because only limited numbers of cases are available in the first year in which a drug is introduced to the study.

TABLE D-59
Methamphetamine: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

								Percei	ntage wh	o used ir	last 12	months								2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change
Approximate wtd. N =	<u>1991</u>	<u>1992</u>	1993	<u>1994</u>	<u>1995</u>	<u>1990</u>	<u>1997</u>	<u>1996</u>	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	change
Total	_	_	_	_	_	_	_	_	3.2	2.5	2.8	2.2	2.5	1.5	1.8	1.8	1.1	1.2	1.0	-0.2
Gender:																				
Male	_	_	_	_	_	_	_	_	3.1	2.2	2.5	2.0	2.0	1.1	1.7	1.4	0.7	0.9	1.0	+0.1
Female	_	_	_	_	_	_	_	_	3.2	2.8	3.0	2.4	3.0	1.7	1.9	2.3	1.5	1.5	1.0	-0.5
College Plans:																				
None or under 4 years	_	_	_	_	_	_	_	_	7.4	6.8	6.6	6.6	7.9	6.6	6.8	6.3	3.2	3.8	3.1	-0.7
Complete 4 years	_	_	_	_	_	_	_	_	2.7	2.0	2.3	1.7	2.0	1.0	1.2	1.3	0.9	1.0	0.9	-0.1
Region:																				
Northeast	_	_	_	_	_	_	_	_	1.6	2.0	1.2	0.8	1.7	1.0	0.6	0.7	0.5	0.8	0.3	-0.4
Midwest	_	_	_	_	_	_	_	_	4.4	3.0	3.2	2.5	3.5	2.1	2.0	1.7	1.5	1.6	0.9	-0.7
South	_	_	_	_	_	_	_	_	3.4	2.4	3.4	2.8	2.4	1.4	2.0	1.6	1.1	1.4	1.1	-0.2
West	_	_	_	_	_	_	_	_	2.8	2.5	2.4	2.0	2.4	1.6	2.1	3.1	1.2	1.0	1.4	+0.4
Population Density:																				
Large MSA	_	_	_	_	_	_	_	_	2.2	2.1	1.6	1.3	2.0	1.5	1.3	1.5	0.4	0.7	1.1	+0.4
Other MSA	_	_	_	_	_	_	_	_	3.6	2.6	3.4	2.5	2.4	1.7	2.0	2.1	1.4	1.5	1.0	-0.5
Non-MSA	_	_	_	_	_	_	_	_	3.5	3.0	2.8	2.7	3.4	1.2	2.1	1.8	1.6	1.4	0.9	-0.5
Parental Education: <sup>a</sup>																				
1.0-2.0 (Low)	_	_	_	_	_	_	_	_	6.3	5.0	4.4	4.3	4.2	4.4	4.1	3.9	1.9	2.1	1.7	-0.4
2.5–3.0	_	_	_	_	_	_	_	_	4.3	3.1	4.0	3.0	3.4	1.3	1.5	1.8	1.4	1.7	0.9	-0.7
3.5–4.0	_	_	_	_	_	_	_	_	3.3	2.4	3.0	2.0	2.5	1.8	2.9	2.2	1.2	1.3	1.1	-0.2
4.5–5.0	_	_	_	_	_	_	_	_	1.9	1.3	1.6	1.9	1.6	1.0	0.9	1.2	0.9	0.9	0.6	-0.3
5.5-6.0 (High)	_	_	_	_	_	_	_	_	3.2	2.2	1.2	1.1	2.3	0.9	0.7	1.7	0.8	1.1	1.6	+0.5
Race/Ethnicity (2-year average).b																				
White	_	_	_	_	_	_	_	_	_	3.2	3.1	2.8	2.7	2.2	1.6	1.6	1.4	1.1	1.0	0.0
African American	_	_	_	_	_	_	_	_	_	1.1	0.8	0.6	0.8	0.6	0.5	8.0	0.6	0.5	0.7	+0.1
Hispanic										4.0	3.3	3.2	3.2	3.0	2.8	2.8	2.3	1.7	1.5	-0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases.

See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-60
Methamphetamine: Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

2008-

								Percer	ntage wh	o used ir	last 12	months								2008-	2006–
Approximate wtd. N =	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u> —	<u>1996</u>	<u>1997</u>	<u>1998</u> —	<u>1999</u> 14,000	2000 13,600	2001 14,000	2002 14,300	2003 15,800	2004 16,400	2005 16,200	2006 16,200	2007 16,100	2008 15,100	2009 15,900	2009 change	adjusted <u>change</u>
Total	_	_	_	_	_	_	_	_	4.6	4.0	3.7	3.9	3.3	3.0	2.9	1.8	1.6	1.5	1.6	+0.1	[-0.1]
Gender:																					
Male	_	_	_	_	_	_	_	_	4.5	4.5	3.8	3.9	3.0	2.7	2.6	1.7	1.4	1.4	1.4	0.0	
Female	_	_	_	_	_	_	_	_	4.7	3.6	3.5	3.6	3.7	3.3	3.0	2.0	1.8	1.6	1.7	+0.1	
College Plans:																					
None or under 4 years	_	_	_	_	_	_	_	_	9.1	8.8	7.0	9.1	9.4	6.0	7.3	5.8	3.9	3.6	4.6	+1.1	
Complete 4 years	_	_	_	_	_	_	_	_	3.9	3.3	3.1	3.0	2.3	2.6	2.2	1.3	1.2	1.2	1.3	0.0	
Region:																					
Northeast	_	_	_	_	_	_	_	_	5.1	4.1	2.3	1.5	2.1	2.5	3.0	1.5	1.4	0.5	1.3	+0.8	
Midwest	_	_	_	_	_	_	_	_	4.6	4.0	3.8	3.0	3.4	2.2	3.4	1.7	0.9	1.4	1.8	+0.4	
South	_	_	_	_	_	_	_	_	4.0	3.8	4.0	4.6	3.8	2.9	2.2	2.3	1.9	1.9	1.4	-0.5	
West	_	_	_	_	_	_	_	_	5.1	4.4	4.6	5.8	3.8	4.7	3.0	1.7	2.3	1.8	2.1	+0.2	
Population Density:																					
Large MSA	_	_	_	_	_	_	_	_	3.8	4.4	4.0	3.1	2.3	2.7	2.9	2.2	1.7	1.2	1.5	+0.4	
Other MSA	_	_	_	_	_	_	_	_	4.8	3.4	3.6	4.4	3.8	3.4	3.0	1.5	1.5	1.8	1.6	-0.2	
Non-MSA	_	_	_	_	_	_	_	_	5.2	4.8	3.6	3.7	3.7	2.5	2.5	2.1	1.8	1.3	1.6	+0.3	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	_	_	_	-	_	_	_	_	7.2	7.0	5.6	6.2	7.3	4.5	4.2	3.8	3.8	2.6	3.7	+1.1	
2.5–3.0	_	_	_	-	_	_	_	_	4.2	4.3	4.6	4.9	4.1	3.7	3.8	2.7	1.6	2.3	2.7	+0.4	
3.5–4.0	_	_	_	_	_	_	_	_	4.8	4.3	3.2	3.7	3.2	3.3	2.0	1.4	1.7	1.0	1.4	+0.4	
4.5–5.0	_	_	_	_	_	_	_	_	4.8	3.5	3.6	2.4	2.2	2.3	3.2	1.4	1.0	1.6	0.7	-0.8	
5.5-6.0 (High)	_	_	_	_	_	_	_	_	3.3	3.5	2.5	4.0	2.1	1.7	1.3	1.3	1.0	0.6	0.7	+0.2	
Race/Ethnicity (2-year average).b																					
White	_	_	_	-	_	_	_	_	_	4.7	4.1	4.1	4.2	3.4	2.9	2.4	1.8	1.6	1.4	-0.1	
African American	_	_	_	_	_	_	_	_	_	0.4	1.0	1.1	0.6	8.0	1.1	1.0	8.0	0.5	0.4	-0.1	
Hispanic	_	_	_		_	_	_		_	3.9	3.0	4.4	4.6	4.6	5.0	3.3	1.9	2.3	2.7	+0.4	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases.

## Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-61
Methamphetamine: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

					Pe	rcentage	who us	ed in last	t 12 mon	ths					2008-
	1975-	1980-	1990-												2009
	<u>1979</u>	<u>1989</u>	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	<u>change</u>
Approximate wtd. N =	_	_	_	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	
Total	_	_	_	4.7	4.3	3.9	3.6	3.2	3.4	2.5	2.5	1.7	1.2	1.2	0.0
Gender:															
Male	_	_	_	5.0	4.4	4.3	4.3	3.6	3.7	2.7	2.0	1.8	1.8	1.3	-0.5
Female	_	_	_	4.5	4.2	3.4	3.0	2.9	3.1	2.3	3.0	1.6	0.7	1.0	+0.4
College Plans:															
None or under 4 years	_	_	_	6.8	6.2	6.9	6.5	5.8	6.7	4.9	3.7	3.9	1.9	3.1	+1.1
Complete 4 years	_	_	_	4.0	3.8	3.2	2.7	2.4	2.4	2.0	2.1	1.2	1.0	0.8	-0.1
Region:															
Northeast	_	_	_	3.1	4.5	3.4	1.6	1.8	1.3	0.6	1.4	1.4	1.1	1.0	-0.1
Midwest	_	_	_	5.1	4.1	4.7	4.5	4.2	3.3	4.4	1.2	1.2	8.0	1.2	+0.4
South	_	_	_	3.9	3.7	3.4	3.0	2.8	4.0	2.2	3.1	2.1	1.2	1.4	+0.2
West	_	_	_	7.1	5.4	4.4	5.4	4.0	4.9	2.7	3.8	1.5	1.9	1.0	-0.9
Population Density:															
Large MSA	_	_	_	4.2	3.6	2.7	2.1	1.8	2.8	1.5	3.4	1.3	1.3	1.1	-0.2
Other MSA	_	_	_	4.0	4.9	4.0	4.4	3.0	2.6	2.4	2.0	1.7	1.2	1.1	0.0
Non-MSA	_	_	_	6.4	4.3	5.3	4.1	5.3	5.5	4.1	2.0	2.2	1.3	1.4	+0.1
Parental Education: <sup>a</sup>															
1.0-2.0 (Low)	_	_	_	6.0	7.7	5.0	3.5	4.3	5.5	4.0	2.7	3.1	1.6	3.5	+1.9
2.5–3.0	_	_	_	4.8	3.5	4.8	4.9	3.6	4.1	3.0	2.4	2.2	0.6	1.4	+0.8
3.5–4.0	_	_	_	5.2	3.9	3.8	3.8	3.6	3.1	3.0	2.9	1.4	1.3	0.8	-0.5
4.5–5.0	_	_	_	3.7	4.2	3.1	2.9	2.9	2.8	2.1	2.2	1.7	0.8	1.0	+0.2
5.5-6.0 (High)	_	_	_	4.2	5.5	3.2	3.1	1.0	3.0	1.2	1.2	0.8	1.6	0.4	-1.2
Race/Ethnicity (2-year average).b															
White	_	_	_	_	4.9	4.6	4.2	3.5	3.5	3.3	2.6	2.1	1.5	1.1	-0.4
African American	_	_	_	_	1.1	1.0	0.5	1.4	1.8	0.7	0.4	0.7	1.1	1.1	0.0
Hispanic					4.9	4.6	3.9	3.4	3.4	3.4	3.7	2.7	1.1	1.2	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table D-S3.

## Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-62
Crystal Methamphetamine (Ice): Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

										Percent	tage wh	o used i	n last 12	2 month	S								2008-
		1975–																					2009
		<u>1989</u>	1990	<u>1991</u>	<u>1992</u>	1993	<u>1994</u>	<u>1995</u>	1996	1997	<u>1998</u>	<u>1999</u>	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	<u>change</u>
	Approximate wtd. N =	_	15,200	15,000	-,	16,300	15,400	15,400	14,300	-,	-,	13,600	12,800	12,800	12,900	14,600	14,600	14,700	,	,		13,700	
Total		_	1.3	1.4	1.3	1.7	1.8	2.4	2.8	2.3	3.0	1.9	2.2	2.5	3.1	2.0	2.1	2.3	1.9	1.6	1.1	0.9	-0.1
Gender:																							
Male		_	1.5	1.9	1.5	1.9	2.2	2.6	3.9	2.6	3.9	2.2	2.5	2.7	3.5	2.5	2.6	2.5	1.5	1.8	1.4	1.1	-0.3
Female		_	1.0	0.9	1.0	1.2	1.3	2.1	1.7	2.1	2.1	1.6	1.9	2.1	2.5	1.5	1.6	2.0	2.2	1.4	0.7	8.0	+0.1
College Pl	ans:																						
None or u	under 4 years	_	1.4	1.9	2.2	2.6	2.4	4.3	5.1	3.8	5.0	2.3	3.8	4.2	4.8	2.6	4.4	4.2	3.5	3.7	1.7	1.8	+0.1
Complete	e 4 years	_	1.2	1.2	1.0	1.4	1.5	1.8	2.1	1.9	2.4	1.8	1.7	2.0	2.6	1.9	1.5	1.8	1.3	1.2	8.0	0.7	-0.1
Region:																							
Northeas	t	_	1.6	1.1	0.9	1.1	0.9	1.4	3.2	2.8	2.6	1.0	1.0	1.9	2.6	1.3	0.9	1.2	1.0	1.1	1.4	0.5	-0.9
Midwest		_	1.1	1.4	1.1	1.5	2.3	2.2	2.1	1.9	2.7	1.7	2.8	2.1	2.0	1.0	1.8	2.2	1.0	1.5	0.5	1.0	+0.5
South		_	0.5	1.0	1.0	1.2	1.2	1.8	2.0	1.6	3.1	2.3	2.0	1.7	3.5	2.3	2.3	2.7	2.9	1.7	0.9	8.0	0.0
West		_	2.5	2.2	2.6	3.2	2.8	4.7	4.9	3.7	3.4	2.5	2.9	4.7	4.0	3.4	3.5	3.1	1.9	2.1	1.7	1.5	-0.2
Population	Density:																						
Large MS	SA	_	1.2	1.3	1.5	2.2	2.0	3.0	4.6	2.9	2.5	1.6	2.3	2.7	2.2	1.9	2.3	2.1	2.2	1.3	0.6	0.9	+0.3
Other MS	SA	_	1.3	1.7	1.3	1.7	1.8	2.0	2.0	2.0	3.3	2.1	1.7	2.3	3.6	2.0	1.4	2.3	1.5	1.7	1.2	0.8	-0.3
Non-MSA	1	_	1.2	0.8	1.2	1.2	1.6	2.3	2.6	2.1	2.8	2.0	3.0	2.5	3.2	2.1	3.2	2.7	2.1	1.9	1.3	1.3	-0.1
Parental E	ducation.a																						
1.0-2.0 (	Low)	_	1.1	1.0	0.9	1.6	1.0	3.2	3.4	2.2	2.8	3.6	3.2	5.9	3.7	3.7	4.0	2.6	4.2	3.2	1.4	2.8	+1.4
2.5-3.0		_	1.4	1.1	1.1	1.2	3.0	2.6	3.0	2.5	3.2	1.3	1.7	2.4	3.6	1.7	2.7	2.6	2.6	2.1	0.6	0.8	+0.2
3.5-4.0		_	1.4	1.2	1.5	2.3	1.6	1.9	2.6	2.2	3.6	2.5	1.9	2.8	2.4	2.2	2.4	3.1	1.4	1.4	1.0	1.2	+0.1
4.5-5.0		_	1.2	1.8	1.4	1.8	1.3	2.5	2.9	2.9	2.6	1.3	2.8	1.5	2.8	1.5	1.0	1.4	1.0	1.5	0.7	0.3	-0.5
5.5-6.0 (	High)	_	1.1	1.0	1.4	1.3	1.0	2.2	2.5	1.4	1.9	2.1	1.3	2.0	2.8	1.8	0.9	1.1	1.4	0.8	1.2	0.6	-0.6
Race/Ethn	icity (2-year average).b																						
White		_	_	1.3	1.3	1.5	1.7	2.0	2.5	2.6	2.9	2.8	2.3	2.4	2.6	2.3	2.0	2.0	1.9	1.7	1.3	0.7	-0.7 s
African A	merican	_	_	0.8	1.0	0.8	0.5	0.5	0.3	0.5	1.0	0.7	0.7	1.1	1.6	1.4	0.7	1.0	1.0	0.6	0.6	0.7	+0.1
Hispanic		_	_	1.3	1.8	2.3	2.1	2.7	4.0	2.8	1.7	1.7	2.4	3.4	3.6	2.5	2.6	3.4	3.3	2.9	1.8	1.4	-0.4
	les Manitenies des Frances d																						

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

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

See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-63
Sedatives (Barbiturates): Trends in Annual Prevalence of Use by Subgroups in Grade 12

							Percer	ntage wh	o used in	last 12 ı	months							_
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	Г
Approximate wtd. N =		15,400		17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	_
Total	10.7	9.6	9.3	8.1	7.5	6.8	6.6	5.5	5.2	4.9	4.6	4.2	3.6	3.2	3.3	3.4	3.4	
Gender:																		
Male	12.3	9.9	10.2	8.4	7.6	7.3	7.2	5.9	5.9	5.5	5.2	4.7	4.0	3.4	3.5	3.8	3.4	
Female	9.9	9.2	8.4	7.7	7.0	6.0	5.8	5.0	4.2	4.0	3.9	3.8	3.2	3.0	3.0	3.0	3.2	
College Plans:																		
None or under 4 years	_	11.6	11.4	9.1	9.3	9.0	8.1	7.4	6.7	6.2	6.2	6.1	4.7	4.1	4.8	4.7	4.3	
Complete 4 years	_	7.3	6.8	6.8	5.2	4.8	5.1	3.8	3.8	3.7	3.6	3.0	3.0	2.7	2.5	2.8	2.9	
Region:																		
Northeast	11.5	10.4	9.2	9.6	9.6	6.9	6.8	5.6	4.7	5.1	5.3	5.2	4.2	2.5	3.2	2.9	2.8	
Midwest	12.8	10.4	10.7	7.9	6.9	7.3	7.5	5.4	6.1	4.9	4.9	4.2	3.3	2.5	3.2	3.5	3.5	
South	9.9	9.7	9.3	7.8	7.3	7.0	5.5	6.3	5.2	5.2	4.2	4.1	3.7	4.1	3.7	4.0	3.6	
West	10.0	6.7	6.6	6.6	5.7	5.2	6.5	3.9	4.0	4.2	4.1	3.3	3.2	3.2	2.7	2.9	3.3	
Population Density:																		
Large MSA	11.1	10.2	8.1	8.1	8.3	6.6	6.9	5.3	5.2	4.4	4.4	3.7	3.3	2.8	2.6	2.6	2.4	
Other MSA	11.3	9.8	9.9	8.2	7.3	6.5	6.4	5.7	5.3	4.9	4.2	4.4	3.6	3.4	3.1	3.6	3.9	
Non-MSA	9.8	9.0	9.5	8.1	7.0	7.2	6.6	5.5	5.0	5.5	5.4	4.5	3.9	3.2	4.4	3.9	3.3	
Parental Education: <sup>b</sup>																		
1.0-2.0 (Low)	10.3	9.1	8.0	7.5	7.8	8.0	6.5	5.8	6.1	4.7	5.0	4.8	3.8	4.3	4.1	3.1	3.6	
2.5–3.0	10.3	10.2	10.3	8.2	7.3	7.2	6.5	5.7	5.7	5.2	5.3	4.6	3.6	3.1	3.4	3.7	3.7	
3.5–4.0	9.5	9.6	9.0	8.3	7.4	6.3	6.5	5.1	4.6	5.0	4.4	4.4	3.2	2.9	3.2	3.9	3.0	
4.5-5.0	10.7	10.1	9.1	7.8	6.6	5.9	6.4	5.0	4.4	4.3	4.1	3.3	3.9	3.3	2.8	3.1	3.3	
5.5-6.0 (High)	9.0	10.3	8.3	8.0	7.2	5.4	6.8	5.8	3.7	4.0	3.1	3.4	3.6	3.1	3.4	2.9	3.6	
Race/Ethnicity (2-year average): <sup>c</sup>																		
White	_	_	10.2	9.3	8.2	7.5	7.2	6.5	5.8	5.5	5.1	4.7	4.2	3.7	3.5	3.7	3.8	
African American	_	_	3.3	3.2	2.6	2.5	2.4	2.0	1.7	1.6	1.6	1.6	1.7	1.5	1.1	1.1	1.2	
Hispanic	_	_	7.4	5.8	5.8	5.8	5.7	5.1	4.1	4.4	4.6	3.6	2.8	2.8	3.2	2.8	2.4	

(Table continued on next page.)

TABLE D-63 (cont.)
Sedatives (Barbiturates): Trends in <u>Annual</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

							Pe	ercentage	who us	ed in last	12 mon	ths							2008-
	4000	4000	1001	4005	4000	4007	4000	4000	0000	0004	0000	0000	0004	0005	0000	0007	0000	0000	2009
Approximate wtd. N	1992	1993 16,300	<u>1994</u> 15.400	1995 15,400	1996 14,300	<u>1997</u> 15,400	1998 15,200	1999 13,600	2000 12,800	2001 12,800	2002 12,900	2003 14,600	2004 14,600	2005 14,700	2006 14,200	2007 14.500	2008 14,000	2009 13,700	<u>change</u>
Total	2.8	3.4	4.1	4.7	4.9	5.1	5.5	5.8	6.2	5.7	6.7	6.0	6.5	7.2	6.6	6.2	5.8	5.2	-0.6
Gender:	2.0	3.4	4.1	4.7	4.5	5.1	5.5	5.0	0.2	5.7	0.7	0.0	0.5	1.2	0.0	0.2	5.0	J.Z	-0.0
Male	2.9	3.4	4.3	5.1	5.2	5.3	6.3	6.3	6.9	6.3	7.4	6.7	7.0	7.7	6.4	6.3	5.9	5.6	-0.3
	2.9	3.4	3.8	4.2	5.2 4.4	5.3 4.8	6.3 4.8	5.3		5.1	7. <del>4</del> 5.9	5.4	6.0	6.6	6.7	6.2	5.9	4.9	-0.3 -0.7
Female	2.6	3.3	3.8	4.2	4.4	4.8	4.8	5.3	5.4	5.1	5.9	5.4	6.0	0.0	6.7	6.2	5.7	4.9	-0.7
College Plans:																			
None or under 4 years	3.9	3.8	5.4	5.9	6.7	6.6	6.9	7.0	7.0	7.1	9.8	9.6	9.3	10.7	10.0	8.2	8.9	7.6	-1.4
Complete 4 years	2.3	3.2	3.7	4.4	4.3	4.6	5.1	5.5	6.0	5.4	6.0	5.1	5.6	6.3	5.7	5.7	5.2	4.7	-0.5
Region:																			
Northeast	2.7	3.5	4.0	4.1	5.6	5.7	5.5	4.7	5.6	5.3	5.9	4.8	5.4	5.7	5.7	5.5	5.1	4.3	-0.8
Midwest	2.7	3.5	4.1	4.5	4.9	4.4	4.8	6.0	5.2	5.6	6.4	5.1	5.9	7.5	6.2	5.9	5.7	6.5	+0.8
South	3.0	3.6	4.8	5.3	5.4	5.8	6.8	6.8	7.5	6.1	8.4	7.1	7.8	8.5	7.5	7.2	6.8	5.6	-1.2
West	2.5	2.7	2.8	4.3	3.3	4.2	4.2	4.9	5.7	5.6	5.1	6.5	6.3	5.9	6.2	5.4	5.0	4.0	-1.1
Population Density:																			
Large MSA	2.4	2.6	3.6	4.1	3.6	4.2	4.6	3.7	5.1	5.9	6.5	4.2	5.5	6.1	6.6	5.7	4.3	4.5	+0.2
Other MSA	2.6	3.1	4.3	4.9	5.4	5.0	5.6	6.2	6.6	6.1	6.7	6.6	7.1	7.5	6.6	6.3	6.2	5.4	-0.9
Non-MSA	3.4	4.3	4.1	5.0	5.4	6.4	6.8	7.4	6.8	4.9	7.0	7.4	6.6	7.8	6.6	6.9	6.7	5.9	-0.8
Parental Education:b																			
1.0-2.0 (Low)	3.9	3.8	4.5	4.9	4.8	4.3	6.4	7.5	5.2	6.3	5.1	6.7	6.6	6.2	7.3	6.3	6.0	4.8	-1.3
2.5-3.0	2.4	3.6	4.5	5.2	4.9	4.9	6.3	6.2	7.1	5.3	7.1	6.5	7.0	8.1	6.5	5.7	6.3	5.7	-0.6
3.5-4.0	2.8	2.8	4.0	4.6	4.9	6.0	5.6	6.4	5.8	6.1	7.7	7.2	8.0	7.7	7.3	6.5	6.2	5.5	-0.7
4.5-5.0	2.9	3.4	4.0	4.4	5.0	5.1	5.0	5.0	6.7	5.9	6.3	4.7	5.1	7.0	6.2	7.0	5.0	5.6	+0.6
5.5-6.0 (High)	2.4	3.8	3.6	4.1	4.6	4.6	5.0	5.1	5.5	5.8	6.6	4.3	5.5	6.3	6.0	5.3	5.4	3.5	-1.8 s
Race/Ethnicity (2-year average):	С																		
White	3.5	3.6	4.3	4.9	5.4	5.9	6.5	6.7	6.9	7.0	7.5	7.6	7.4	7.9	7.9	7.5	7.3	6.6	-0.7
African American	1.1	1.0	1.5	1.6	1.1	1.0	1.4	1.4	1.3	1.5	1.4	1.7	2.4	2.6	2.5	2.5	2.2	2.0	-0.2
Hispanic	2.2	1.9	2.6	3.5	4.0	3.7	3.3	4.0	5.1	4.7	4.5	4.1	4.7	5.8	5.8	5.2	4.3	4.0	-0.3

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

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

See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-64
Tranquilizers: Trends in Annual Prevalence of Use by Subgroups in Grade 8

								Percer	ntage wh	o used ir	last 12	months								2008-
	1001	4000	4000	4004	1005	1000	1007	1000	4000	0000	0004b	aaaab	0000	0004	0005	0000	0007	0000	0000	2009
Approximate wtd. N =	1991 17 500	1992 18.600	1993 18.300	1994 17.300	1995 17.500	1996 17,800	1997 18,600	<u>1998</u> 18.100	1999 16.700	2000 16,700	2001 <sup>b</sup> 16,200	2002 <sup>b</sup> 15,100	2003 16,500	2004 17.000	2005 16.800	2006 16.500	2007 16,100	2008 15,700	2009 15,000	<u>change</u>
Total	1.8	2.0	2.1	2.4	2.7	3.3	2.9	2.6	2.5	2.6‡	2.8	2.6	2.7	2.5	2.8	2.6	2.4	2.4	2.6	+0.2
Gender:	1.0	2.0				0.0	2.0	2.0	2.0	2.0+	2.0	2.0		2.0	2.0	2.0	2	2.7	2.0	10.2
Male	1.5	1.6	1.8	1.9	2.0	2.3	2.6	2.3	2.1	2.1‡	2.5	2.2	2.2	1.9	2.1	2.2	1.6	1.7	2.3	+0.5
Female	2.1	2.3	2.4	2.8	3.3	4.0	3.2	3.0	2.9	3.1‡	2.9	2.8	3.0	3.2	3.4	2.9	3.1	3.2	3.0	-0.2
College Plans:										****										
None or under 4 years	3.9	4.9	3.6	5.1	5.9	6.4	5.8	6.4	5.8	6.8‡	5.8	6.5	6.3	6.2	6.9	6.0	6.8	5.9	7.0	+1.1
Complete 4 years	1.5	1.5	1.9	2.0	2.3	2.8	2.6	2.2	2.0	2.2‡	2.5	2.1	2.3	2.1	2.4	2.3	2.0	2.2		+0.1
Region:										·										
Northeast	1.0	1.6	1.7	2.5	2.3	2.7	2.5	2.0	2.3	2.2‡	2.0	1.8	1.9	1.7	1.6	1.3	1.4	1.6	1.2	-0.4
Midwest	1.4	1.9	1.3	1.7	2.6	3.5	2.4	2.6	2.6	2.2‡	2.2	2.4	2.2	2.1	2.8	2.4	2.8	2.5	2.4	-0.1
South	2.6	2.5	2.4	2.6	3.0	3.7	3.3	3.2	2.8	3.2‡	3.4	3.4	3.5	3.4	3.7	3.6	2.9	3.3	3.6	+0.4
West	1.8	1.6	3.0	2.7	2.4	2.9	3.0	2.3	1.9	2.5‡	3.2	1.9	2.6	2.2	2.2	2.1	1.9	1.8	2.2	+0.4
Population Density:																				
Large MSA	1.8	2.1	1.7	2.5	1.8	3.2	2.1	1.9	1.8	2.5‡	2.8	2.0	1.8	1.8	2.0	1.9	1.9	1.8	2.0	+0.2
Other MSA	1.7	1.8	2.5	2.6	3.2	3.4	3.2	2.6	2.4	2.7‡	3.1	2.7	2.9	3.1	3.1	2.6	2.8	2.8	3.0	+0.2
Non-MSA	2.2	2.2	1.6	1.9	2.6	3.1	3.2	3.6	3.4	2.7‡	2.3	2.9	3.4	2.4	3.4	3.5	2.4	2.6	2.5	-0.1
Parental Education: <sup>c</sup>																				
1.0-2.0 (Low)	3.6	3.8	2.5	3.2	3.9	4.9	4.3	5.5	5.0	5.6‡	3.7	5.0	3.9	4.7	5.0	5.1	5.2	4.7	5.9	+1.2
2.5–3.0	1.6	2.1	2.5	2.6	2.7	3.5	3.1	2.8	3.3	3.6‡	3.7	3.6	3.5	2.8	4.3	3.2	3.3	3.0	3.4	+0.4
3.5-4.0	2.0	2.2	2.1	2.6	3.2	3.9	3.2	2.7	2.1	2.6‡	2.7	2.2	2.8	3.0	3.3	3.1	2.9	2.5	2.8	+0.3
4.5–5.0	1.4	0.9	1.8	2.0	2.2	2.8	2.4	2.4	1.7	1.4‡	2.7	2.0	2.1	2.0	1.3	1.7	1.3	2.1	1.7	-0.5
5.5-6.0 (High)	1.8	1.9	1.7	2.1	1.6	2.7	2.7	2.1	1.9	2.2‡	2.1	1.6	1.6	1.7	2.0	1.8	1.0	1.7	1.4	-0.3
Race/Ethnicity (2-year average):																				
White	_	2.0	2.0	2.2	2.7	3.2	3.4	3.1	2.9	3.0	3.0‡	3.0 <sup>e</sup>	2.8	2.8	2.9	3.0	2.7	2.6	2.8	+0.2
African American	_	0.9	1.1	1.2	1.2	1.3	1.2	0.9	0.7	0.5	0.5‡	0.6 <sup>e</sup>	1.0	1.2	1.0	0.8	0.9	0.9	1.0	+0.1
Hispanic		2.7	3.1	3.4	3.3	3.5	3.5	3.4	3.5	3.5	3.6‡	3.8 <sup>e</sup>	3.4	3.4	3.5	3.0	2.9	2.9	2.9	+0.1

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes.

Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

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

See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;—" indicates data not available.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

bln 2001, for the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed.

Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

<sup>&</sup>lt;sup>c</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>d</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE D-65
Tranquilizers: Trends in Annual Prevalence of Use by Subgroups in Grade 10

2008-

								Percen	tage wh	o used ir	last 12	months								2008-	2008–
Approximate wtd. N =	<u>1991</u> 14,800	<u>1992</u> 14,800	<u>1993</u> 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	<u>1999</u> 13,600	2000 14,300	2001 <sup>b</sup> 14,000	2002 <sup>b</sup> 14,300	2003 15,800	2004 16,400	2005 16,200	2006 16,200	2007 16,100	2008 15,100	2009 15,900	2009 change	adjusted <u>change</u>
Total	3.2	3.5	3.3	3.3	4.0	4.6	4.9	5.1	5.4	5.6‡	7.3	6.3	5.3	5.1	4.8	5.2	5.3	4.6	5.0	+0.4	[+0.4]
Gender:																					
Male	2.5	2.7	3.2	3.0	4.0	4.3	4.7	4.7	5.2	5.8‡	7.9	5.7	4.7	4.7	4.3	5.0	4.6	4.1	4.4	+0.3	
Female	3.8	4.3	3.2	3.6	4.0	4.9	5.2	5.4	5.4	5.5‡	6.8	6.9	5.8	5.5	5.3	5.3	6.0	5.0	5.7	+0.7	
College Plans:																					
None or under 4 years	5.0	6.0	5.8	6.0	7.4	9.4	8.6	8.3	8.6	10.0‡	13.5	11.6	9.2	9.6	9.6	10.2	9.9	9.6	11.4	+1.8	
Complete 4 years	2.8	3.1	2.7	2.8	3.4	3.8	4.3	4.5	4.8	4.9‡	6.4	5.5	4.7	4.5	4.2	4.5	4.7	3.9	4.4	+0.4	
Region:																					
Northeast	2.7	2.8	3.4	2.8	2.6	3.9	3.6	5.7	5.5	3.9‡	6.2	4.6	4.3	5.0	5.0	3.8	4.1	2.8	3.0	+0.1	
Midwest	2.4	3.0	2.5	2.6	3.2	4.4	3.7	3.4	4.6	5.4‡	5.6	5.5	4.5	3.5	3.3	4.2	5.3	4.7	5.1	+0.4	
South	4.2	4.5	3.9	4.2	5.1	5.7	7.3	6.6	6.0	6.9‡	9.6	8.1	7.5	7.3	6.6	6.9	6.5	6.2	6.2	0.0	
West	2.9	3.2	3.2	3.6	4.3	3.6	3.7	4.1	4.9	5.4‡	6.7	5.8	4.1	4.1	3.8	5.3	4.7	3.7	5.2	+1.5 s	
Population Density:																					
Large MSA	3.2	3.3	2.7	2.6	3.2	4.2	3.9	4.1	5.0	5.5‡	5.8	5.1	3.9	3.2	3.5	4.4	4.1	3.3	3.9	+0.5	
Other MSA	3.0	3.8	3.3	3.9	4.1	4.6	4.4	5.2	5.5	5.4‡	7.0	6.8	5.8	5.7	5.4	5.3	5.8	5.2	5.8	+0.6	
Non-MSA	3.5	3.3	3.6	3.0	4.7	5.2	7.0	6.0	5.6	6.1‡	9.9	6.7	6.4	6.4	5.3	6.3	6.0	5.1	5.1	+0.1	
Parental Education: <sup>c</sup>																					
1.0-2.0 (Low)	3.3	5.3	4.8	4.2	5.0	5.9	4.7	6.5	5.0	8.2‡	7.6	7.1	7.5	5.8	5.2	6.6	5.5	5.4	7.4	+2.0	
2.5–3.0	3.6	3.5	3.1	3.3	4.5	5.2	5.3	6.3	5.9	6.2‡	7.9	7.5	7.3	5.6	5.7	6.2	6.4	5.9	5.9	+0.1	
3.5-4.0	3.2	3.4	3.5	3.4	4.3	5.0	5.5	4.9	5.2	5.6‡	8.1	6.7	5.7	5.7	5.4	5.6	5.7	5.2	5.9	+0.8	
4.5–5.0	2.5	3.9	2.9	2.9	3.5	4.1	4.2	4.5	5.7	5.2‡	6.7	5.8	4.1	4.6	4.0	4.3	4.9	3.5	4.1	+0.6	
5.5-6.0 (High)	3.5	2.3	3.1	3.4	3.2	3.6	4.4	4.0	5.3	4.7‡	6.9	4.6	3.4	4.1	4.0	4.3	3.9	3.6	3.6	0.0	
Race/Ethnicity (2-year average):																					
White	_	4.0	3.8	3.6	4.1	4.9	5.6	6.0	6.1	6.4	7.0‡	7.6 <sup>e</sup>	7.4	6.5	6.0	6.0	6.2	6.1	5.7	-0.3	
African American	_	0.9	0.9	0.9	0.8	0.7	0.9	1.0	1.2	1.1	1.5‡	1.5 <sup>e</sup>	1.3	1.3	1.3	1.6	1.3	1.0	1.3	+0.3	
Hispanic		2.9	3.3	3.1	3.1	3.4	3.5	3.5	3.7	4.0	4.0‡	4.3 <sup>e</sup>	4.4	4.5	4.3	3.8	3.3	3.5	4.5	+1.0	

Source. The Monitoring the Future study, the University of Michigan.

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

bln 2001, for the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed.

Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

<sup>&</sup>lt;sup>c</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>d</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>e</sup>Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE D-66
Tranquilizers: Trends in Annual Prevalence of Use by Subgroups in Grade 12

Percentage who used in last 12 months 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 17,100 16,300 16,300 16,300 16,700 15,200 15,000 9,400 17,800 15,500 17,500 17,700 15,900 16,000 15,200 Approximate wtd. N = 15,400 15,900 Total 10.6 10.3 10.8 9.9 9.6 8.7 8.0 7.0 6.9 6.1 6.1 5.8 5.5 4.8 3.8 3.5 3.6 Gender: Male 10.0 9.4 10.2 9.7 9.9 9.0 8.0 6.9 7.0 6.3 6.4 5.9 5.2 4.7 4.0 3.5 3.5 Female 11.1 11.0 11.4 10.1 9.3 8.5 7.7 7.1 6.7 5.8 5.7 5.8 5.8 4.8 3.5 3.5 3.6 College Plans: None or under 4 years 11.5 12.3 11.1 11.0 10.7 9.4 8.0 8.0 7.4 6.8 7.2 6.7 5.1 4.8 4.3 4.2 Complete 4 years 8.9 9.0 8.6 8.1 7.2 6.9 6.3 5.8 5.2 5.5 5.1 4.9 4.6 3.3 3.2 3.4 Region: Northeast 9.2 9.7 10.4 10.9 8.6 8.3 7.8 6.8 7.1 6.4 6.9 4.5 3.7 2.9 3.0 11.5 6.8 Midwest 10.6 10.1 11.0 8.8 7.5 8.2 7.8 6.2 6.8 5.6 6.0 5.5 4.5 3.7 3.1 2.9 3.0 South 11.3 11.7 11.4 10.5 10.4 9.5 7.8 7.4 7.4 6.9 5.9 6.3 5.7 6.0 4.4 4.3 4.0 West 6.2 11.7 8.5 9.6 8.9 9.4 8.6 8.0 6.4 4.9 5.3 4.8 5.2 4.4 3.4 3.9 4.4 Population Density: Large MSA 11.2 10.3 8.7 8.3 7.0 7.0 3.1 2.5 9.6 9.6 9.9 5.4 5.8 5.3 5.8 4.7 3.6 Other MSA 11.0 11.3 11.4 10.1 10.2 9.3 8.1 7.2 7.2 6.1 6.0 5.7 5.6 5.0 3.5 3.7 4.1 Non-MSA 9.9 9.5 11.0 9.2 8.7 8.0 7.5 6.8 6.5 6.8 6.5 6.4 5.2 4.5 4.9 3.3 3.7 Parental Education:b 1.0-2.0 (Low) 11.2 10.1 9.4 9.4 9.1 7.8 7.1 6.1 6.0 6.5 5.3 6.7 5.7 3.9 3.6 4.0 2.5-3.0 9.8 10.3 11.5 10.1 8.8 9.1 8.0 7.3 7.2 6.5 6.2 5.8 5.4 4.6 3.9 3.6 3.5-4.0 9.8 11.2 11.1 9.5 10.4 8.9 8.3 6.7 6.9 6.4 6.5 5.3 4.5 3.1 5.8 3.4 4.5-5.0 11.3 11.7 11.4 10.5 10.0 8.1 7.4 7.6 6.6 5.8 6.3 4.7 5.9 5.5 3.8 3.9 5.5-6.0 (High) 9.3 12.0 10.1 11.0 10.3 9.1 7.6 7.1 6.3 5.5 5.4 5.4 5.6 4.9 4.0 11.4 Race/Ethnicity (2-year average):c White 11.4 11.1 10.5 9.9 9.1 8.3 7.8 7.3 6.8 6.6 6.3 5.9 5.0 4.2 4.1 African American 4.3 4.2 3.6 3.1 3.0 2.5 2.3 2.1 1.7 1.7 2.0 2.0 1.2 0.7 0.9 Hispanic 8.4 8.2 7.4 6.4 5.7 5.8 5.1 5.3 5.0 4.4 3.7 2.5 1.6 1.9 2.7

(Table continued on next page.)

TABLE D-66 (cont.)
Tranquilizers: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

							Pe	ercentage	who use	ed in last	12 mont	ths							2008-
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 <sup>d</sup>	2002 <sup>d</sup>	2003	2004	2005	2006	2007 <sup>e</sup>	2008	2009	change
Approximate wtd. N =		16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	onungo
Total	2.8	3.5	3.7	4.4	4.6	4.7	5.5	5.8	5.7‡	6.9	7.7	6.7	7.3	6.8	6.6	6.2	6.2	6.3	+0.1
Gender:																			
Male	2.7	3.5	4.0	4.7	5.0	5.4	6.3	6.9	6.4‡	7.9	8.4	6.9	8.0	7.2	7.1	6.9	6.8	6.8	0.0
Female	3.0	3.3	3.5	4.1	4.0	3.9	4.7	4.8	4.9‡	5.8	6.9	6.3	6.5	6.2	6.1	5.4	5.7	5.7	0.0
College Plans:																			
None or under 4 years	3.9	3.9	4.5	5.6	5.6	6.2	6.8	6.4	6.7‡	7.6	9.9	9.6	9.1	10.3	8.5	9.1	9.3	8.7	-0.7
Complete 4 years	2.5	3.3	3.5	4.1	4.2	4.0	5.1	5.6	5.2‡	6.7	7.1	6.0	6.8	5.9	6.0	5.5	5.5	5.7	+0.2
Region:																			
Northeast	3.0	3.7	3.5	3.9	4.8	5.3	4.9	5.6	5.2‡	5.7	6.8	5.4	6.5	5.7	7.2	5.9	5.3	6.7	+1.4
Midwest	2.3	2.8	3.1	4.0	4.4	3.5	3.7	5.1	4.7‡	8.1	6.5	5.5	6.2	7.0	5.8	6.4	5.2	7.0	+1.8 s
South	3.5	4.2	4.8	5.0	5.3	5.4	7.5	7.6	6.7‡	7.4	10.4	8.5	9.0	8.3	7.6	7.0	7.8	6.9	-0.9
West	2.3	3.0	2.8	4.3	3.0	4.3	4.4	3.9	5.6‡	5.5	5.8	6.6	7.0	4.9	5.3	4.7	5.5	4.1	-1.4
Population Density:																			
Large MSA	2.9	2.9	3.9	4.0	3.7	4.2	4.8	4.0	4.7‡	7.9	7.8	4.7	5.5	5.5	6.5	5.9	5.2	5.5	+0.3
Other MSA	2.7	3.6	3.7	4.5	4.9	4.8	5.7	6.6	6.2‡	6.4	8.2	7.8	8.5	7.4	6.6	6.4	6.6	6.7	+0.1
Non-MSA	3.1	3.7	3.5	4.8	4.7	5.1	5.9	6.5	6.0‡	6.7	6.8	7.4	7.3	7.1	6.9	6.2	6.5	6.3	-0.2
Parental Education: <sup>b</sup>																			
1.0-2.0 (Low)	3.9	3.3	4.2	3.9	4.2	3.9	6.4	5.2	6.4‡	5.4	5.2	7.1	5.0	4.3	5.7	6.0	5.9	5.1	-0.8
2.5–3.0	2.8	3.3	3.5	4.7	4.0	4.3	5.2	6.2	5.3‡	6.7	7.9	6.5	7.9	7.7	6.9	6.5	5.5	7.0	+1.5
3.5-4.0	2.7	3.5	3.6	4.3	4.7	4.6	6.0	6.4	5.6‡	7.7	8.4	7.6	9.0	7.3	6.9	6.4	7.4	6.2	-1.2
4.5–5.0	3.0	3.4	3.7	4.5	4.6	5.4	4.9	5.4	5.9‡	7.4	7.9	5.9	7.1	6.8	6.6	6.3	5.7	6.5	+0.8
5.5-6.0 (High)	2.2	4.2	4.2	4.1	5.3	5.1	5.5	5.6	5.8‡	6.0	7.9	6.2	5.4	5.9	6.4	5.5	6.0	5.9	-0.1
Race/Ethnicity (2-year average): <sup>c</sup>																			
White	3.7	3.7	4.2	4.6	5.1	5.5	6.2	6.8	6.9	7.7‡	9.2 <sup>f</sup>	8.7	8.4	8.6	8.2	7.9	7.9	8.0	+0.1
African American	1.3	1.0	1.1	1.2	0.9	0.8	1.0	1.0	0.7	0.6‡	1.1 <sup>f</sup>	1.3	1.7	1.9	1.6	1.3	1.0	1.2	+0.1
Hispanic Source The Monitoring the Future sture	2.4	2.0	2.4	3.5	4.3	3.8	3.3	3.5	4.3	3.9‡	4.1 <sup>f</sup>	4.5	4.5	4.3	4.3	4.5	4.2	4.0	-0.3

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes.

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

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

See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>d</sup>In 2001, for the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; *N* is one half of *N* indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

eln 2007, for the list of tranquilizers, Equanil and meprobamate were replaced with Soma while Atarax, Tranxene, and Vistaril were replaced with Ativan and Klonopin.

Due to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE D-67
Over-the-Counter Cough/Cold Medicines:
Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

	Percer	tage wh	o used ir	last 12	months	_
	1991– <u>2005</u>	2006	2007	2008	2009	2008- 2009 <u>change</u>
Approximate wtd. N =	_	16,500	16,100	15,700	15,000	
Total	_	4.2	4.0	3.6	3.8	+0.2
Gender:						
Male	_	3.4	3.1	2.7	3.7	+1.0
Female	_	4.7	5.0	4.3	3.8	-0.5
College Plans:						
None or under 4 years	_	11.9	8.0	7.1	12.9	+5.8 s
Complete 4 years	_	3.4	3.6	3.3	3.1	-0.2
Region:						
Northeast	_	3.4	2.4	2.5	2.7	+0.2
Midwest	_	4.5	4.0	3.8	3.8	+0.1
South	_	4.2	4.8	4.1	4.5	+0.5
West	_	4.4	3.6	3.3	3.3	0.0
Population Density:						
Large MSA	_	3.5	2.7	3.1	3.4	+0.3
Other MSA	_	4.4	4.8	3.5	3.8	+0.2
Non-MSA	_	4.6	4.2	4.3	4.3	0.0
Parental Education. <sup>a</sup>						
1.0-2.0 (Low)	_	6.2	5.7	4.8	9.2	+4.4 s
2.5–3.0	_	5.1	4.5	4.4	4.6	+0.2
3.5–4.0	_	4.4	5.4	3.8	4.2	+0.4
4.5–5.0	_	3.8	3.4	3.4	3.3	-0.1
5.5-6.0 (High)	_	3.0	2.0	2.5	1.7	-0.9
Race/Ethnicity (2-year average).b						
White	_	_	4.5	4.1	3.7	-0.4
African American	_	_	2.2	2.3	2.7	+0.3
Hispanic	_	_	4.4	3.8	3.6	-0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01,

 $sss = .001. \ "--" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See$ 

Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

Data are based on one of four forms;N is one third ofN indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-68
Over-the-Counter Cough/Cold Medicines:
Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

	Percer	ntage wh	o used in	last 12	months	_	2008-
						2008-	2009
	1991-	2006	2007	2008	2000	2009	adjusted
Approximate wtd. N =	<u>2005</u>	2006 16,200	16,100		2009 15,900	<u>change</u>	<u>change</u>
Total	_	5.3	5.4	5.3		+0.7	[+0.3]
Gender:	_	5.5	5.4	5.5	0.0	+0.7	[+0.3]
Male		5.1	4.6	4.9	5.9	+1.0	
Female		5.5	6.3	5.7	6.0	+0.4	
College Plans:		5.5	0.5	5.1	0.0	TU.4	
None or under 4 years		9.9	9.7	11.3	13.5	+2.2	
Complete 4 years	_	4.6	4.8	4.6	5.2	+0.6	
, ,	_	4.0	4.0	4.0	5.2	+0.0	
Region: Northeast		4.1	5.8	3.5	4.1	+0.6	
	_					+0.6	
Midwest	_	4.3	5.4	5.4	6.2		
South	_	6.3	5.9	6.6	6.9	+0.3	
West	_	6.0	4.7	4.8	6.3	+1.5	
Population Density:							
Large MSA	_	4.3	4.7	4.3	5.3	+1.0	
Other MSA	_	5.5	5.6	6.2	6.8	+0.6	
Non-MSA	_	6.3	6.3	4.7	5.3	+0.6	
Parental Education: <sup>a</sup>							
1.0–2.0 (Low)	_	5.1	6.4	6.8	9.7	+2.9	
2.5–3.0	_	6.2	7.4	5.9	7.3	+1.4	
3.5–4.0	_	6.2	6.0	5.0	6.5	+1.5	
4.5–5.0	_	4.1	4.5	5.6	4.5	-1.1	
5.5-6.0 (High)	_	5.1	3.0	3.9	5.2	+1.3	
Race/Ethnicity (2-year average).b							
White	_	_	6.0	6.2	6.4	+0.1	
African American	_	_	3.9	3.1	2.1	-1.0	
Hispanic	_	_	3.2	4.0	5.5	+1.5	

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

# ${\it Caution:} \ \ {\it Limited sample sizes (see "Notes" above)}. \ \ {\it Use caution in interpreting subgroup trends}.$

<sup>&</sup>quot;—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ ethnicity note at the end of appendix D.

TABLE D-69
Over-the-Counter Cough/Cold Medicines:
Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

	Percer	tage wh	o used ir	last 12	months	
	1991– 2005	<u>2006</u>	<u>2007</u>	2008	2009	2008- 2009 change
Approximate wtd. N =	_	14,200	14,500	14,000	13,700	
Total	_	6.9	5.8	5.5	5.9	+0.3
Gender:						
Male	_	7.6	5.9	6.3	8.1	+1.8 s
Female	_	5.9	5.1	4.7	4.1	-0.6
College Plans:						
None or under 4 years	_	8.9	8.3	7.6	7.1	-0.6
Complete 4 years	_	6.2	5.2	4.9	5.5	+0.6
Region:						
Northeast	_	5.9	7.8	4.4	5.1	+0.7
Midwest	_	6.6	6.8	4.4	6.7	+2.4 s
South	_	7.6	5.2	6.7	6.2	-0.5
West	_	6.7	4.2	5.8	4.8	-0.9
Population Density:						
Large MSA	_	7.6	5.4	4.9	5.7	+0.8
Other MSA	_	6.0	5.9	5.5	6.6	+1.1
Non-MSA	_	7.5	6.1	6.4	4.4	-1.9
Parental Education. <sup>a</sup>						
1.0-2.0 (Low)	_	7.7	7.2	6.8	7.8	+1.0
2.5-3.0	_	6.2	6.7	5.0	6.1	+1.1
3.5-4.0	_	7.7	4.6	6.3	5.7	-0.6
4.5–5.0	_	6.7	6.8	4.8	5.6	+0.7
5.5-6.0 (High)	_	4.9	4.0	4.4	5.1	+0.7
Race/Ethnicity (2-year average):						
White	_	_	6.3	5.8	5.9	+0.1
African American	_	_	5.0	4.2	4.5	+0.3
Hispanic	_	_	7.9	6.0	6.0	0.0

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on two of six forms; N is two sixths of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-70
Rohypnol: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 8</u>

								Percer	ntage wh	o used in	last 12	months								2008-
	1001	4000	1000	4004	4005	4000	1007	1000	4000	0000	0004	0000	0000	0004	0005	0000	0007	0000	0000	2009
Approximate wtd. N =	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	1996 17,800	<u>1997</u> 18.600	<u>1998</u> 18.100	1999 16.700	2000 16,700	2001 16,200	2002 15,100	2003 16,500	2004 17,000	2005 16,800	2006 16,500	2007 16,100	2008 15,700	2009 15,000	<u>change</u>
Total	_	_	_	_	_	1.0	0.8	0.8	0.5	0.5	0.7	0.3	0.5	0.6	0.7	0.5	0.7	0.5	0.4	-0.1
Gender:						1.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.7	0.0	0.1	0.1
Male	_	_	_	_	_	1.1	0.7	0.8	0.6	0.5	0.6	0.2	0.4	0.5	0.7	0.7	0.6	0.6	0.4	-0.2
Female	_	_	_	_	_	1.0	0.9	0.9	0.2	0.6	0.7	0.2	0.4	0.7	0.7	0.4	0.7	0.3		+0.1
College Plans:											•		• • •	•	• • • •	***	***		• • • •	
None or under 4 years	_	_	_	_	_	2.5	1.5	3.0	0.9	2.2	2.0	1.0	1.3	2.4	1.8	1.1	3.3	2.6	2.4	-0.2
Complete 4 years	_	_	_	_	_	0.8	0.7	0.6	0.4	0.4	0.5	0.2	0.4	0.4	0.6	0.5	0.4	0.3	0.2	-0.1
Region:																				
Northeast	_	_	_	_	_	0.9	0.3	0.9	0.3	0.6	0.9	0.2	0.2	0.3	0.6	1.4	0.1	0.0	0.0	0.0
Midwest	_	_	_	_	_	0.9	0.8	0.8	0.3	0.4	1.0	0.4	0.2	0.8	0.6	0.0	0.8	0.7	0.6	0.0
South	_	_	_	_	_	1.3	1.1	0.9	0.7	0.9	0.6	0.4	0.6	0.5	0.5	0.6	0.7	0.6	0.4	-0.2
West	_	_	_	_	_	1.0	0.7	0.8	0.5	*	0.4	0.1	0.7	0.7	1.1	0.2	0.8	0.5	0.5	0.0
Population Density:																				
Large MSA	_	_	_	_	_	1.2	0.8	0.7	0.4	0.9	1.2	0.1	0.1	0.5	0.4	0.6	0.4	0.6	0.1	-0.5
Other MSA	_	_	_	_	_	1.1	0.9	1.0	0.6	0.5	0.5	0.3	0.4	0.8	0.7	0.5	0.8	0.5	0.6	+0.1
Non-MSA	_	_	_	_	_	0.8	0.7	0.8	0.3	0.2	0.4	0.5	1.0	0.3	1.0	0.5	0.8	0.4	0.4	0.0
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	_	_	_	_	_	2.0	2.1	2.2	0.2	0.9	1.3	0.9	1.8	2.4	0.6	0.7	0.5	0.7	1.4	+0.7
2.5-3.0	_	_	_	_	_	1.1	1.1	8.0	0.3	0.8	0.3	0.0	0.9	0.1	1.3	0.1	0.5	0.5	0.0	-0.5
3.5-4.0	_	_	_	_	_	1.2	0.7	0.9	0.6	0.2	1.2	0.2	0.1	0.2	0.4	0.7	0.7	0.7	0.3	-0.4
4.5–5.0	_	_	_	_	_	0.8	0.6	0.6	0.5	0.4	0.7	0.6	0.4	0.6	0.9	0.1	0.9	0.2	0.6	+0.4
5.5-6.0 (High)	_	_	_	_	_	0.8	0.5	0.9	0.7	0.9	0.2	0.2	0.0	0.1	0.5	1.5	0.4	0.3	0.1	-0.1
Race/Ethnicity (2-year average).b																				
White	_	_	_	_	_	_	0.9	8.0	0.7	0.5	0.6	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.6	0.0
African American	_	_	_	_	_	_	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.9	0.7	0.2	0.2	0.2	0.2	-0.1
Hispanic	_	_	_	_	_	_	1.4	1.5	1.5	0.6	0.9	0.8	0.4	1.0	0.8	0.6	1.1	1.0	0.5	-0.5

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "--" indicates data not available. "" indicates less than 0.05% but greater than 0%.

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

See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1996; N is one half of N indicated in Table D-S1.

Data based on three of four forms in 1997–1998; N is two thirds of N indicated in Table D-S1. Data based on two of four forms in 1999–2001; N is one third of N indicated in Table D-S1.

Data based on one of four forms beginning in 2002; N is one sixth of N indicated in Table D-S1.

Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-71
Rohypnol: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 10</u>

	Percentage who used in last 12 months																2008-				
_								Percer	tage wh	o used ir	last 12	months								2008-	2009
	1991	1992	1993	<u>1994</u>	1995	1996	1997	<u>1998</u>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change	adjusted change
Approximate wtd. N =			_	<del></del>		15,600	15,500	15,000		14,300	14,000			16,400	16,200	16,200	16,100	15,100	15,900	change	change
Total	_	_	_	_	_	1.1	1.3	1.2	1.0	0.8	1.0	0.7	0.6	0.7	0.5	0.5	0.7	0.4	0.4	0.0	[0.0]
Gender:																					
Male	_	_	_	_	_	1.1	1.4	1.4	1.2	1.0	1.1	0.4	0.7	0.8	0.3	0.4	0.7	0.3	0.3	0.0	
Female	_	_	_	_	_	1.1	1.1	1.1	0.9	0.6	0.9	0.9	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.0	
College Plans:																					
None or under 4 years	_	_	_	_	_	2.9	2.7	2.9	2.8	1.4	2.8	0.5	0.3	1.4	1.6	1.5	1.4	0.5	0.9	+0.3	
Complete 4 years	_	_	_	_	_	8.0	1.1	0.9	8.0	0.6	0.7	0.7	0.6	0.6	0.3	0.4	0.6	0.4	0.4	0.0	
Region:																					
Northeast	_	_	_	_	_	0.6	0.7	0.9	0.4	0.6	0.9	0.4	1.0	0.8	0.7	0.3	0.5	0.7	0.2	-0.5	
Midwest	_	_	_	_	_	0.5	8.0	1.0	0.9	0.4	0.9	0.3	0.2	0.3	0.2	1.0	1.4	0.2	0.9	+0.7	
South	_	_	_	_	_	1.9	2.4	2.0	1.8	1.2	1.0	0.4	8.0	0.9	0.7	0.7	0.5	0.4	0.3	-0.1	
West	_	_	_	_	_	1.1	0.6	0.5	0.6	0.7	1.3	2.0	0.4	0.9	0.2	0.0	0.4	0.4	0.3	-0.1	
Population Density:																					
Large MSA	_	_	_	_	_	1.1	1.3	1.3	0.9	0.9	1.2	0.7	0.3	0.6	0.3	0.2	0.7	0.1	0.3	+0.2	
Other MSA	_	_	_	_	_	1.4	1.3	1.3	1.3	0.9	8.0	0.9	0.4	0.7	0.5	0.7	0.6	0.7	0.5	-0.1	
Non-MSA	_	_	_	_	_	0.6	1.3	1.0	0.7	0.5	1.2	0.3	1.5	0.8	0.5	0.8	0.9	0.3	0.4	+0.1	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	_	_	_	_	_	1.7	1.3	1.7	1.2	1.3	2.3	0.4	1.3	0.4	1.1	1.4	0.4	1.2	0.2	-1.0	
2.5–3.0	_	_	_	_	_	1.0	1.1	1.6	1.6	0.5	1.1	0.9	0.7	0.4	0.5	0.3	0.6	0.3	0.4	+0.1	
3.5–4.0	_	_	_	_	_	1.5	1.6	1.0	8.0	0.8	0.7	1.0	0.9	1.0	0.4	0.7	0.5	0.5	0.9	+0.4	
4.5–5.0	_	_	_	_	_	0.7	1.5	0.9	0.6	0.7	1.1	0.7	0.2	0.6	0.6	0.3	0.6	0.2	0.1	-0.1	
5.5-6.0 (High)	_	_	_	_	_	1.1	0.8	1.3	1.1	0.8	0.3	0.2	0.4	1.0	0.0	0.0	1.1	0.6	0.6	0.0	
Race/Ethnicity (2-year average).b																					
White	_	_	_	_	_	_	1.4	1.5	1.5	1.0	1.0	1.0	0.6	0.9	0.8	0.5	0.6	0.5	0.5	-0.1	
African American	_	_	_	_	_	_	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2	0.4	0.3	0.0	0.0	0.1	+0.1	
Hispanic	_	_	_	_	_	_	1.0	1.2	1.1	0.7	0.9	1.0	0.7	0.3	0.2	0.6	0.8	0.6	0.3	-0.2	

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

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

See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1996; N is one half of N indicated in Table D-S2.

Data based on three of four forms in 1997–1998; N is two thirds of N indicated in Table D-S2. Data based on two of four forms in 1999–2001; N is one third of N indicated in Table D-S2.

Data based on one of four forms beginning in 2002; N is one sixth of N indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-72
Rohypnol: Trends in <u>Annual Prevalence of Use by Subgroups in Grade 12</u>

							Percer	ntage wh	o used ir	last 12	months							2008-
	1975-	1980–	1990-															2009
	<u>1979</u>	<u>1989</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002 <sup>a</sup>	2003	2004	2005	2006	2007	2008	2009	<u>change</u>
Approximate wtd. N =	_	_	_	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	,	14,200	14,500	,	13,700	
Total	_	_	_	1.1	1.2	1.4	1.0	0.8	0.9‡	1.6	1.3	1.6	1.2	1.1	1.0	1.3	1.0	-0.3
Gender:																		
Male	_	_	_	1.8	1.2	1.7	1.0	0.8	1.1‡	2.3	2.0	2.3	1.5	1.3	0.9	1.5	1.1	-0.3
Female	_	_	_	0.3	1.1	1.1	1.0	0.7	0.6‡	1.0	0.5	0.7	0.8	0.5	0.7	0.8	8.0	-0.1
College Plans:																		
None or under 4 years	_	_	_	1.4	0.5	1.8	1.0	0.1	1.2‡	2.5	2.1	3.0	2.4	1.6	1.8	2.3	1.8	-0.5
Complete 4 years	_	_	_	8.0	1.3	1.3	1.0	0.9	0.8‡	1.4	0.9	1.0	0.9	8.0	0.7	1.0	8.0	-0.2
Region:																		
Northeast	_	_	_	0.9	0.6	1.2	0.8	0.3	1.7‡	1.2	1.4	0.8	1.1	1.3	1.7	0.8	0.7	-0.1
Midwest	_	_	_	1.0	0.5	1.0	0.8	0.9	0.5‡	1.8	1.2	1.3	1.7	0.8	0.9	1.0	1.3	+0.3
South	_	_	_	1.8	2.2	2.6	1.6	1.3	1.0‡	1.5	1.4	2.1	1.3	1.3	1.0	2.0	1.1	-0.9
West	_	_	_	0.1	8.0	0.0	0.2	0.1	0.8‡	2.0	1.1	1.8	0.6	1.3	0.5	0.9	0.5	-0.4
Population Density:																		
Large MSA	_	_	_	1.3	0.9	0.8	0.3	0.3	1.0‡	1.6	1.1	1.8	1.4	1.2	1.0	0.6	1.0	+0.4
Other MSA	_	_	_	1.3	1.5	2.2	1.4	1.1	1.2‡	2.0	1.7	1.6	1.2	1.0	1.1	1.8	1.2	-0.6
Non-MSA	_	_	_	0.7	0.7	0.6	0.9	0.7	0.3‡	1.1	0.9	1.2	1.1	1.4	0.8	1.0	0.4	-0.6
Parental Education.b																		
1.0-2.0 (Low)	_	_	_	1.6	0.4	0.6	4.7	0.0	4.2‡	3.7	2.8	3.4	3.9	1.2	1.3	1.6	2.1	+0.5
2.5-3.0	_	_	_	0.5	0.6	1.0	0.3	0.4	0.4‡	2.9	1.8	1.8	1.2	1.2	0.8	1.7	1.2	-0.5
3.5-4.0	_	_	_	0.8	1.4	1.1	1.1	1.5	0.8‡	0.8	1.2	1.5	1.4	1.0	0.5	1.3	0.8	-0.5
4.5–5.0	_	_	_	0.9	1.7	2.7	0.3	0.6	0.8‡	1.6	0.9	0.6	0.3	1.2	1.4	0.7	0.4	-0.3
5.5-6.0 (High)	_	_	_	1.8	1.7	1.4	0.7	0.0	0.2‡	0.8	0.2	1.5	0.9	0.7	0.9	0.6	0.9	+0.3
Race/Ethnicity (2-year average). <sup>c</sup>																		
White	_	_	_	_	1.2	1.6	1.5	0.9	0.8‡	_	1.5	1.3	1.1	0.9	0.7	0.9	1.0	+0.1
African American	_	_	_	_	0.1	0.0	0.2	0.4	0.2‡	_	0.8	1.2	1.7	1.3	1.6	2.1	1.7	-0.5
Hispanic	_	_	_	_	2.0	1.3	1.0	0.6	1.3‡	_	1.6	1.7	1.9	2.1	1.5	0.8	1.3	+0.5
Course The Manitoring the Future at																		

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes.

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

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

See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms in 1996–2001; N is one sixth of N indicated

in Table D-S3. Data based on two of six forms beginning in 2002; N is two sixths of N indicated in Table D-S3.

## Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>a</sup>The 2001 and 2002 data are not comparable due to changes in the questionnaire forms.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

TABLE D-73
Alcohol: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

<u>-</u>								Perce	ntage w	ho used	in last 30	days								2008-
	1991	1992	1993 <sup>a</sup>	1994 <sup>a</sup>	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004 <sup>a</sup>	2005 <sup>a</sup>	2006	2007	2008	2009	2009 change
Approximate wtd. N =		18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700					17,000	16,800	16,500	16,100	15,700	15,000	
Total	25.1	26.1‡	24.3	25.5	24.6	26.2	24.5	23.0	24.0	22.4	21.5	19.6	19.7	18.6	17.1	17.2	15.9	15.9	14.9	-1.0
Gender:																				
Male	26.3	26.3‡	25.3	26.5	25.0	26.6	25.2	24.0	24.8	22.5	22.3	19.1	19.4	17.9	16.2	16.3	15.6	15.4	14.7	-0.7
Female	23.8	25.9‡	23.7	24.7	24.0	25.8	23.9	21.9	23.3	22.0	20.6	20.0	19.8	19.0	17.9	17.6	16.0	16.4	14.9	-1.5
College Plans:																				
None or under 4 years	37.2	39.6‡	41.1	41.4	40.0	41.7	40.2	41.2	41.6	38.3	37.0	35.3	35.3	32.6	32.6	30.8	33.5	30.4	31.7	+1.3
Complete 4 years	23.1	24.2‡	22.2	23.6	22.6	24.0	22.8	21.0	22.0	20.4	19.7	18.2	18.1	17.2	15.5	15.8	14.3	14.7	13.5	-1.2
Region:																				
Northeast	24.3	23.8‡	21.0	25.4	24.1	26.9	24.8	21.2	25.7	25.6	23.3	19.3	18.4	18.0	14.5	16.9	12.9	15.9	15.3	-0.6
Midwest	26.6	28.3‡	24.7	24.2	24.7	26.9	22.8	23.9	25.7	24.1	21.2	19.1	21.9	19.3	16.9	17.0	15.5	16.1	13.0	-3.1
South	25.1	26.8‡	25.4	25.6	25.5	26.3	26.4	23.8	24.4	20.9	22.8	21.6	20.8	18.8	19.0	18.5	17.1	18.2	17.4	-0.7
West	23.1	23.5‡	25.6	27.2	23.1	24.8	22.7	22.2	19.8	20.2	18.1	17.0	16.0	17.9	16.4	15.3	15.9	12.6	12.5	-0.1
Population Density:																				
Large MSA	25.4	27.4‡	21.2	23.8	22.3	24.9	23.1	21.4	21.7	21.2	19.4	17.4	18.2	18.1	17.2	16.6	14.8	15.2	12.9	-2.2
Other MSA	24.3	26.1‡	26.0	27.4	25.3	27.4	24.9	22.4	23.4	21.3	21.5	20.1	19.4	19.1	17.9	17.4	16.1	16.3	15.9	-0.4
Non-MSA	26.2	24.2‡	24.9	23.8	26.0	25.7	25.4	26.0	28.1	26.1	24.1	21.4	22.3	18.1	15.6	17.5	16.8	16.2	15.5	-0.7
Parental Education.b																				
1.0-2.0 (Low)	30.7	32.8‡	28.0	33.5	30.8	28.1	29.7	28.9	30.7	30.2	28.5	27.6	25.5	24.2	23.8	24.1	26.1	25.5	22.8	-2.7
2.5–3.0	27.0	27.2‡	28.0	27.4	27.8	30.1	26.2	26.5	27.9	26.3	27.0	23.2	24.0	22.1	20.4	20.0	20.3	19.3	18.3	-1.0
3.5–4.0	25.1	26.3‡	25.9	26.7	26.8	27.6	27.8	24.5	25.2	23.0	23.3	21.2	22.0	20.0	18.8	19.0	16.9	16.8	16.8	+0.1
4.5–5.0	22.8	24.6‡	20.6	22.6	21.0	25.0	22.6	20.2	20.4	18.4	17.2	17.0	16.0	16.3	14.6	13.9	11.6	13.4	11.5	-2.0
5.5-6.0 (High)	24.0	25.2‡	22.3	23.6	20.5	21.5	20.5	21.3	22.1	19.0	16.4	15.1	15.7	15.8	13.1	13.8	11.2	11.5	10.4	-1.1
Race/Ethnicity (2-year average):																				
White	_	26.6	27.1‡	25.3	25.4	26.6	26.7	24.8	24.7	24.7	23.2	21.5	20.1	19.2	17.9	16.9	15.6	15.2	15.4	+0.2
African American	_	18.6	19.7‡	19.4	18.7	18.1	17.9	16.1	16.1	16.0	15.0	14.8	15.5	16.2	14.9	13.1	12.3	12.9	12.3	-0.6
Hispanic	<u> </u>	31.0	32.3‡	33.5	32.4	29.7	29.8	29.5	29.0	26.7	25.7	26.5	25.3	23.5	20.6	21.2	23.0	21.5	19.2	-2.4

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

all 1993, the question text was changed slightly in one form to indicate that a "drink" meant "more than a few sips." The 1993 data are based on the changed form only: It is one half of N indicated. In 1994 the question text was changed in the remaining form. Beginning in 1994, the data are based on all forms. In 2004, the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change. The remaining forms were changed in 2005.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-74
Alcohol: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

2008-

								Perce	entage w	no used	in last 30	) days								2008–	2009 adjusted
Approximate wtd. N =	<u>1991</u> 14,800	<u>1992</u> 14,800	1993 <sup>a</sup> 15,300	1994 <sup>a</sup> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	<u>1999</u> 13,600	2000 14,300	<u>2001</u> 14,000	2002 14,300	2003 15,800	2004 <sup>a</sup> 16,400	2005 <sup>a</sup> 16,200	<u>2006</u> 16,200	2007 16,100	2008 15,100	2009 15,900	change	<u>change</u>
Total	42.8	39.9‡	38.2	39.2	38.8	40.4	40.1	38.8	40.0	41.0	39.0	35.4	35.4	35.2	33.2	33.8	33.4	28.8	30.4	+1.6	[+0.5]
Gender:																					
Male	45.5	41.6‡	40.6	43.5	39.7	42.6	42.5	40.0	42.3	43.3	41.1	35.3	35.3	36.3	32.8	33.8	33.4	28.6	31.0	+2.5 s	
Female	40.2	38.3‡	35.6	34.8	37.8	38.3	37.9	37.7	38.1	38.6	36.8	35.7	35.3	34.0	33.6	33.8	33.3	29.0	29.8	+0.8	
College Plans:																					
None or under 4 years	53.6	49.5‡	48.6	52.0	52.2	53.3	51.6	52.4	53.7	53.9	52.2	47.1	46.6	47.5	44.9	44.8	47.4	44.6	45.5	+0.9	
Complete 4 years	40.6	37.9‡	36.1	36.4	36.4	38.3	38.1	36.5	37.9	39.1	36.8	33.5	33.6	33.6	31.6	32.5	31.7	26.9	28.8	+1.9 s	
Region:																					
Northeast	48.0	42.3‡	42.4	37.4	38.3	41.4	41.1	41.6	44.8	42.0	37.8	36.3	38.7	40.4	37.0	35.7	36.2	31.4	30.5	-0.9	
Midwest	43.5	40.3‡	37.4	39.6	38.9	39.1	38.6	37.6	40.9	42.5	41.0	35.7	34.4	30.9	31.9	33.7	34.4	29.5	28.9	-0.6	
South	41.7	38.2‡	38.0	40.5	39.4	41.7	40.8	39.9	38.8	39.1	38.3	33.7	34.8	36.4	33.4	32.8	31.2	29.0	32.2	+3.2	
West	39.6	39.8‡	35.6	38.2	38.0	38.9	39.9	35.5	36.1	41.1	38.2	37.2	34.1	33.7	30.7	33.9	32.9	25.9	29.0	+3.2	
Population Density:																					
Large MSA	43.6	40.4‡	39.0	36.3	34.6	37.9	37.8	34.2	39.7	42.4	37.6	32.0	33.1	32.0	31.1	32.5	31.8	27.4	30.3	+2.9	
Other MSA	41.4	38.6‡	36.2	40.1	39.9	41.0	40.2	39.0	39.7	39.3	38.3	35.2	35.6	37.0	34.4	34.5	33.3	28.7	29.7	+1.1	
Non-MSA	44.8	41.9‡	41.3	40.6	41.3	42.1	42.6	43.7	41.0	42.4	41.8	40.4	38.3	35.8	33.5	34.4	36.2	31.1	31.9	+0.8	
Parental Education.b																					
1.0-2.0 (Low)	42.1	40.4‡	37.5	38.6	43.5	43.2	39.2	39.9	40.6	41.1	38.6	38.2	38.4	38.6	36.5	33.1	36.5	35.5	37.4	+1.9	
2.5-3.0	43.9	40.9‡	40.6	41.5	42.3	42.6	41.1	41.2	42.3	42.8	41.4	38.0	37.4	38.5	36.0	38.0	37.0	30.9	32.9	+2.0	
3.5-4.0	44.2	40.0‡	38.0	40.6	38.8	42.2	41.6	40.1	40.2	42.8	41.0	36.4	36.6	37.5	33.5	35.6	35.6	30.4	31.3	+0.9	
4.5-5.0	40.7	39.4‡	36.2	37.7	37.9	37.8	39.3	36.9	38.7	40.2	37.0	33.7	32.7	32.6	31.8	32.0	31.5	25.9	28.2	+2.3	
5.5-6.0 (High)	44.9	41.7‡	39.3	35.4	34.3	39.6	38.9	37.0	40.9	39.0	37.1	32.0	34.1	32.4	31.8	31.7	28.8	26.2	27.4	+1.1	
Race/Ethnicity (2-year average):																					
White	_	44.1	43.1‡	40.4	41.0	42.2	43.0	42.7	43.0	43.9	42.7	40.0	38.7	37.8	37.0	36.3	35.9	33.3	31.5	-1.8	
African American	_	30.2	29.3‡	29.7	28.0	23.9	24.6	25.1	24.4	24.7	25.3	24.3	23.7	24.6	23.0	21.5	21.7	20.6	20.2	-0.4	
Hispanic	_	41.0	39.9‡	37.7	40.5	44.0	42.8	39.4	39.6	40.5	40.2	37.9	37.1	39.5	38.2	36.1	34.8	33.7	34.1	+0.4	

 $\label{eq:Source.} Source. \ \ \mbox{The Monitoring the Future study, the University of Michigan.}$ 

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>In 1993, the question text was changed slightly in one form to indicate that a "drink" meant "more than a few sips." The 1993 data are based on the changed form only; *N* is one half of *N* indicated. In 1994 the question text was changed in the remaining form. Beginning in 1994, the data are based on all forms. In 2004, the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change. The remaining forms were changed in 2005.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-75
Alcohol: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who used in last 30 days Cont. 1975 1976 1979 1980 1981 1986 1987 1988 1989 1990 1991 1977 1978 1982 1983 <u>1984</u> 1985 15,200 15,000 Approximate wtd. N = 9,400 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 16,700 15,400 17,100 17,800 Total 68.2 71.2 72.1 71.8 72.0 70.7 69.7 69.4 67.2 65.9 65.3 66.4 63.9 60.0 57.1 54.0 Gender: Male 75.0 74.5 77.8 77.5 76.7 77.4 75.7 74.1 74.4 71.4 69.8 69.0 69.9 68.0 65.1 61.3 58.4 Female 62.2 61.8 65.0 67.0 66.8 65.7 65.4 64.3 62.8 62.1 61.9 63.1 59.9 52.3 49.0 College Plans: None or under 4 years 69.9 72.8 72.7 72.2 73.5 72.1 71.6 70.5 69.0 67.9 66.6 68.6 65.0 61.6 58.7 57.1 Complete 4 years 66.5 69.4 71.6 71.4 70.8 70.0 68.6 68.1 65.7 64.6 64.8 65.7 63.6 59.1 56.4 52.7 Region: Northeast 76.9 75.7 76.6 78.0 81.1 79.4 80.4 76.7 74.4 73.6 72.3 67.6 69.1 66.7 61.7 65.3 59.6 Midwest 73.2 73.9 73.6 70.7 67.9 65.9 61.5 59.7 71.1 76.4 77.2 75.1 75.0 74.4 70.6 66.8 71.3 South 62.8 60.2 64.7 67.0 65.7 65.5 62.9 64.3 62.1 60.0 58.2 60.7 58.6 49.1 61.3 55.1 51.0 West 63.1 65.3 60.0 62.2 64.4 65.5 67.6 63.8 62.9 63.6 66.2 64.5 66.7 65.0 59.3 51.6 49.7 Population Density: Large MSA 75.3 72.6 74.0 75.5 77.3 78.0 75.5 72.9 69.2 66.6 67.4 66.2 66.3 63.8 56.9 59.2 52.9 Other MSA 68.5 67.0 72.0 72.7 72.0 70.8 69.1 69.3 69.8 66.2 65.1 64.8 66.9 64.1 60.7 57.4 55.7 Non-MSA 63.2 66.5 67.8 68.4 67.3 69.0 68.9 67.6 69.0 69.0 65.9 65.2 65.5 63.8 61.7 54.4 52.0 Parental Education:<sup>a</sup> 1.0-2.0 (Low) 58.7 62.5 62.0 62.7 64.6 65.9 62.1 61.3 61.2 58.1 58.7 56.1 56.3 54.5 47.8 47.2 49.9 2.5-3.0 70.0 71.4 72.5 71.9 71.1 72.0 70.7 69.4 69.2 67.4 65.9 65.3 67.0 64.6 59.7 57.2 53.3 3.5-4.0 69.2 67.9 73.5 75.0 74.6 73.3 71.5 72.7 70.4 69.6 66.9 66.7 67.2 64.3 62.9 57.7 54.3 4.5-5.0 71.3 74.5 77.0 76.0 74.4 73.1 74.5 73.1 69.3 68.9 68.0 66.0 62.1 60.8 54.8 5.5-6.0 (High) 72.5 77.1 79.2 75.9 77.2 77.4 74.1 75.0 70.3 67.9 69.9 70.5 67.3 62.2 60.8 58.0 67.3 Race/Ethnicity (2-year average):b White 72.8 75.0 75.3 75.4 75.4 74.6 73.9 72.8 71.2 70.2 70.6 67.3 63.8 60.0 African American 49.5 48.7 47.2 47.6 46.7 46.0 47.7 45.5 42.8 42.1 39.4 39.8 39.5 35.8 33.7 Hispanic 63.0 64.5 63.8 63.6 62.0 60.3 59.1 59.7 58.1 56.3 57.2 57.8 52.9 49.1 51.5

(Table continued on next page.)

TABLE D-75 (cont.)
Alcohol: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

_							F	ercentag	ge who u	sed in las	st 30 day	S							2008-
		6	c																2009
Approximate wtd. N =	1992	1993 <sup>c</sup> 16.300	1994 <sup>c</sup> 15.400	<u>1995</u> 15.400	1996 14,300	<u>1997</u> 15.400	1998 15,200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003 14,600	2004 <sup>c</sup> 14.600	2005 <sup>c</sup> 14,700	2006 14,200	2007 14.500	2008 14,000	2009 13,700	change
• •	,	-,	-,	-,	,	-,		-,	,	,	,	,	,	,	,	,	,	,	.00
Total	51.3‡	48.6	50.1	51.3	50.8	52.7	52.0	51.0	50.0	49.8	48.6	47.5	48.0	47.0	45.3	44.4	43.1	43.5	+0.3
Gender:	55.01	540			540	50.0	<b>57.0</b>	55.0	540	- 4 - 7	50.0	-4-7		50.7	47.0	47.4	45.0	47.0	
Male	55.8‡	54.2	55.5	55.7	54.8	56.2	57.3	55.3	54.0	54.7	52.3	51.7	51.1	50.7	47.3	47.1	45.8	47.8	+2.0
Female	46.8‡	43.4	45.2	47.0	46.9	48.9	46.9	46.8	46.1	45.1	45.1	43.8	45.1	43.3	43.0	41.4	40.9	38.9	-2.0
College Plans:																			
None or under 4 years	54.9‡	52.4	53.6	55.9	54.8	56.1	56.0	55.2	54.3	55.5	53.0	55.4	52.1	52.8	54.0	48.6	49.7	51.0	+1.3
Complete 4 years	50.0‡	47.4	48.9	49.6	49.3	51.4	50.9	49.8	48.3	47.9	47.4	45.2	47.0	45.5	43.2	43.3	41.7	41.6	0.0
Region:																			
Northeast	51.5‡	56.1	53.1	55.0	56.5	56.7	56.2	57.2	58.0	54.3	50.9	51.6	53.9	54.5	52.4	51.8	49.1	48.4	-0.7
Midwest	58.0‡	51.6	53.8	55.3	51.5	51.5	51.9	51.1	52.3	54.5	52.1	50.8	49.5	48.0	46.3	47.9	42.8	45.0	+2.2
South	48.1‡	47.7	49.2	50.6	51.1	51.1	51.4	49.5	44.9	45.9	46.8	43.0	43.5	43.9	43.2	43.1	42.9	42.0	-0.9
West	46.7‡	39.8	44.2	43.2	42.1	52.7	49.2	47.8	48.3	44.9	45.0	47.0	47.3	43.6	41.3	36.6	39.2	39.2	0.0
Population Density:																			
Large MSA	49.0‡	50.6	49.5	50.6	51.6	51.1	49.1	48.9	51.2	49.7	50.3	43.0	44.1	46.6	47.6	47.1	46.1	46.7	+0.6
Other MSA	50.8‡	47.1	49.2	50.6	50.1	53.4	53.9	52.8	48.8	49.6	48.8	49.6	51.7	47.6	43.9	42.1	40.4	41.5	+1.0
Non-MSA	54.1‡	49.8	52.5	53.4	51.4	52.9	51.6	50.1	50.8	50.0	45.9	49.6	45.5	46.1	44.7	45.2	45.8	43.7	-2.0
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	45.6‡	36.6	43.5	45.9	41.2	43.8	43.8	46.8	43.4	42.9	42.2	43.6	42.1	38.2	44.4	38.3	41.4	39.8	-1.6
2.5–3.0	52.3‡	49.0	49.9	52.0	48.2	51.0	50.1	50.5	50.0	49.0	47.9	47.8	46.8	47.8	46.7	46.0	42.4	43.4	+1.1
3.5-4.0	51.2‡	51.2	50.1	50.6	51.4	52.1	55.6	51.1	51.3	51.4	50.9	47.9	52.4	47.8	46.3	43.6	43.2	46.9	+3.8 s
4.5–5.0	51.0‡	49.8	52.6	51.8	53.6	55.3	52.4	50.2	48.1	51.5	48.9	47.5	47.7	50.2	42.9	45.0	43.9	42.0	-1.9
5.5-6.0 (High)	55.7‡	53.2	52.2	55.1	54.2	57.4	54.7	56.0	54.0	49.5	51.1	49.3	47.4	46.0	48.2	47.6	45.9	43.3	-2.6
Race/Ethnicity (2-year average):b																			
White	56.8	55.6‡	54.0	54.5	54.8	56.4	57.7	56.3	55.1	55.3	54.0	52.3	52.2	52.3	50.7	49.3	48.6	47.2	-1.4
African American	31.7	32.4‡	33.8	35.2	36.5	34.3	33.3	32.2	30.0	29.4	30.1	29.9	29.2	29.0	29.2	28.7	28.6	30.5	+1.9
Hispanic	53.8	50.5‡	45.9	48.7	47.5	48.2	49.8	50.2	51.2	48.9	47.5	46.4	45.4	43.3	43.4	41.4	38.9	40.1	+1.2
Source The Monitoring the Future stur	du tha lla	in coroity of	Michigan																

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes.

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

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

See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

cln 1993, the question text was changed slightly in three of six forms to indicate that a "drink" meant "more than a few sips." The 1993 data are based on the changed forms only; N is three sixths of N indicated.

In 1994 the question text was changed in the remaining forms. Beginning in 1994, the data are based on all six forms. In 2004 the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change. The remaining forms were changed in 2005.

TABLE D-76
Been Drunk: Trends in <u>30-Day</u> Prevalence by Subgroups in <u>Grade 8</u>

							Pe	ercentage	e who ha	d been o	drunk in l	ast 30 da	ays							2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change
Approximate wtd. N =		18.600	18.300	17.300	17.500	17.800	18.600	18.100	16.700	16.700	16.200	15.100		17.000	16.800	16.500	16.100	15.700	15.000	
Total	7.6	7.5	7.8	8.7	8.3	9.6	8.2	8.4	9.4	8.3	7.7	6.7	6.7	6.2	6.0	6.2	5.5	5.4	5.4	0.0
Gender:																				
Male	8.4	7.4	7.8	9.0	8.2	9.7	8.4	8.5	10.2	8.2	7.8	7.1	6.6	5.8	5.9	6.1	5.3	5.3	5.3	+0.1
Female	7.0	7.6	7.8	8.3	8.2	9.5	7.9	8.2	8.6	8.1	7.4	6.3	6.8	6.6	6.2	6.2	5.6	5.4	5.3	-0.2
College Plans:																				
None or under 4 years	15.8	17.2	18.4	20.0	17.2	19.3	18.7	21.4	22.4	18.9	18.9	15.5	17.0	16.1	15.7	15.4	16.3	14.9	14.9	0.0
Complete 4 years	6.4	6.1	6.4	7.3	7.3	8.2	7.1	6.9	8.0	7.0	6.5	5.9	5.7	5.2	5.1	5.4	4.6	4.6	4.6	0.0
Region:																				
Northeast	5.7	6.4	6.2	8.2	8.2	9.7	7.9	6.9	9.4	8.3	8.0	5.3	4.9	4.8	4.2	5.8	3.5	4.5	4.7	+0.2
Midwest	7.7	7.6	7.3	8.3	8.3	10.2	8.2	10.4	11.6	9.7	8.2	7.0	8.1	6.8	6.2	6.3	5.7	5.3	5.0	-0.3
South	8.8	8.2	8.3	8.8	8.4	9.1	8.3	7.8	9.5	7.4	8.1	7.6	7.2	6.4	7.1	6.9	6.1	6.8	6.5	-0.3
West	7.3	6.9	9.4	9.6	8.2	9.8	8.3	8.3	6.6	8.1	6.0	5.9	6.0	6.4	5.8	5.2	5.7	4.2	4.4	+0.3
Population Density:																				
Large MSA	7.4	7.0	6.0	7.6	7.2	8.9	6.7	6.9	7.8	7.1	6.3	5.2	5.6	5.4	5.4	5.1	4.8	5.4	4.0	-1.4
Other MSA	7.3	7.4	8.4	9.7	8.9	9.9	8.6	7.5	8.4	7.2	7.9	7.3	6.8	6.5	6.1	6.4	5.6	5.2	5.8	+0.6
Non-MSA	8.4	8.2	8.8	7.9	8.6	10.0	9.2	11.7	13.3	12.0	8.9	7.3	8.1	6.5	6.9	7.5	6.4	5.9	6.3	+0.4
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	13.4	11.0	10.4	12.5	13.1	11.1	11.5	13.1	14.5	14.0	12.1	10.5	13.4	10.0	9.3	9.4	10.6	10.1	10.1	-0.1
2.5-3.0	9.2	8.8	9.2	9.3	9.6	11.9	9.3	9.5	11.7	10.5	9.7	8.5	9.4	7.4	8.4	7.9	7.9	7.4	6.3	-1.1
3.5-4.0	6.9	7.6	8.5	9.3	9.4	10.4	10.2	9.1	9.9	8.0	8.7	6.7	7.1	6.8	6.7	7.1	6.0	5.8	5.4	-0.4
4.5–5.0	6.1	6.5	5.9	7.5	6.4	8.7	6.7	7.0	6.9	5.6	5.7	5.5	4.5	5.0	4.6	4.4	3.1	3.7	4.4	+0.7
5.5-6.0 (High)	6.8	4.9	6.7	7.6	6.0	7.1	5.8	6.9	8.7	7.1	4.6	4.8	4.2	4.4	3.5	4.6	3.1	3.3	3.4	+0.1
Race/Ethnicity (2-year average).b																				
White	_	7.7	7.8	8.4	8.9	9.7	9.7	9.1	9.8	10.0	9.0	8.0	7.2	6.8	6.6	6.4	5.9	5.5	5.5	0.0
African American	_	5.4	5.1	5.6	5.6	5.5	4.6	3.9	4.9	4.7	4.0	4.0	4.2	4.1	3.8	3.6	3.7	3.8	3.6	-0.2
Hispanic	_	9.9	9.9	10.8	10.8	10.8	10.4	9.8	9.9	8.5	7.8	8.4	8.5	8.1	7.0	7.2	7.4	6.7	6.2	-0.5

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-77
Been Drunk: Trends in <u>30-Day</u> Prevalence by Subgroups in <u>Grade 10</u>

2008-

							Pe	ercentage	e who ha	d been o	Irunk in I	ast 30 da	ays							2008-	2009
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change	adjusted change
Approximate wtd. N =		14,800	15,300	15,800	17,000	15,600	15,500		13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200		15,100	15,900		
Total	20.5	18.1	19.8	20.3	20.8	21.3	22.4	21.1	22.5	23.5	21.9	18.3	18.2	18.5	17.6	18.8	18.1	14.4	15.5	+1.1	[0.0]
Gender:																					
Male	22.3	18.6	21.4	23.2	21.9	23.0	24.6	22.3	25.4	26.2	24.2	19.3	18.8	20.2	18.2	19.1	18.9	14.6	16.4	+1.8	
Female	18.7	17.5	18.1	17.2	19.6	19.8	20.2	19.9	19.8	20.9	19.7	17.4	17.7	17.0	16.8	18.4	17.4	14.3	14.8	+0.6	
College Plans:																					
None or under 4 years	29.5	26.3	29.0	31.1	31.4	32.0	35.5	33.5	34.6	35.1	34.8	27.4	27.4	27.5	27.8	29.0	28.9	25.2	26.8	+1.6	
Complete 4 years	18.6	16.4	17.9	18.0	19.0	19.7	20.3	19.1	20.7	21.8	19.8	16.8	16.9	17.4	16.3	17.5	16.8	13.2	14.4	+1.2	
Region:																					
Northeast	23.9	18.8	20.0	19.0	19.5	22.4	21.9	23.1	25.8	22.8	19.9	18.1	20.3	22.4	20.5	20.4	20.5	15.3	14.6	-0.7	
Midwest	21.8	18.9	20.1	21.0	22.6	22.0	23.3	21.8	26.0	27.6	24.0	18.7	18.8	16.6	17.4	19.8	19.6	16.0	15.0	-1.1	
South	19.2	16.8	19.8	20.9	20.9	21.4	22.0	21.9	20.3	21.4	21.5	17.5	17.6	18.7	17.2	17.6	16.3	14.9	16.6	+1.7	
West	18.2	18.3	19.0	19.5	19.5	19.3	22.6	17.0	19.0	22.4	21.2	19.5	16.5	16.7	15.2	17.9	16.9	11.8	15.5	+3.7 s	
Population Density:																					
Large MSA	20.6	17.6	17.6	16.1	18.2	19.6	20.7	17.2	21.6	23.4	19.5	16.5	15.7	15.1	16.2	17.7	16.3	12.7	15.3	+2.7 s	
Other MSA	20.1	17.3	18.2	21.7	21.8	21.9	21.8	21.2	22.7	22.5	21.6	18.0	18.6	20.5	18.3	19.0	18.5	14.8	15.3	+0.5	
Non-MSA	21.1	19.9	24.7	21.8	21.8	22.4	25.5	25.4	23.4	25.4	25.3	21.4	21.4	19.0	17.8	20.0	20.0	16.4	16.4	0.0	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	20.9	18.2	22.2	20.0	23.4	22.1	19.7	20.1	21.8	21.3	22.0	17.3	19.0	17.7	15.8	18.4	17.7	16.9	19.7	+2.7	
2.5–3.0	22.5	18.5	21.4	21.2	22.9	23.4	22.5	23.3	23.4	24.5	22.6	19.9	18.9	21.0	19.4	21.6	19.9	15.0	17.6	+2.7 s	
3.5-4.0	20.4	19.4	19.4	22.1	21.4	22.1	24.1	21.3	23.3	24.5	22.8	19.5	19.3	18.9	17.5	19.9	19.1	15.7	16.4	+0.7	
4.5–5.0	19.7	17.1	18.2	18.7	19.7	19.5	22.3	20.2	21.7	24.1	21.4	17.4	17.5	17.3	17.5	17.4	16.8	13.3	13.8	+0.4	
5.5-6.0 (High)	20.6	18.5	18.6	17.9	17.9	22.3	22.4	20.4	24.0	23.1	21.5	16.8	17.7	19.3	17.0	17.6	17.7	14.2	14.6	+0.4	
Race/Ethnicity (2-year average): <sup>b</sup>																					
White	_	21.6	20.8	22.0	22.7	23.7	25.0	25.5	25.7	26.7	25.8	23.2	21.9	21.7	21.0	20.9	21.3	19.2	17.0	-2.2 s	
African American	_	9.4	10.3	10.1	9.8	8.5	8.6	8.8	7.6	8.6	9.5	8.6	8.0	8.3	8.0	7.8	8.3	8.0	8.4	+0.4	
Hispanic		16.2	15.9	17.0	18.6	20.1	19.5	18.0	17.8	18.0	18.7	17.4	15.7	17.0	17.3	16.6	15.0	14.0	14.9	+0.9	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-78
Been Drunk: Trends in <u>30-Day</u> Prevalence by Subgroups in <u>Grade 12</u>

								Perce	ntage wl	no had b	een drun	k in last	30 days								2008-
	1975–																				2009
A	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	<u>2004</u>	2005	<u>2006</u>	<u>2007</u>	2008	2009	<u>change</u>
Approximate wtd. I	/ = —	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	,	,	,	14,500		13,700	
Total	_	31.6	29.9	28.9	30.8	33.2	31.3	34.2	32.9	32.9	32.3	32.7	30.3	30.9	32.5	30.2	30.0	28.7	27.6	27.4	-0.2
Gender:																					
Male	_	37.1	35.2	34.5	34.5	37.8	35.4	39.2	39.0	37.9	38.4	37.0	34.3	34.9	36.0	33.6	32.9	31.7	29.2	32.7	+3.5
Female	_	25.4	24.5	23.5	26.8	28.8	27.3	29.1	26.6	27.7	26.7	28.4	26.9	26.9	29.0	26.4	26.3	25.7	26.2	22.5	-3.7
College Plans:																					
None or under 4 years	_	32.2	31.4	32.6	32.2	37.6	31.4	38.1	33.7	36.1	35.0	36.3	31.7	37.6	34.7	34.3	37.2	30.6	32.0	31.0	-1.0
Complete 4 years	_	30.9	29.2	27.4	29.4	31.4	31.0	32.3	32.0	31.7	30.6	31.3	29.3	28.7	31.2	28.5	27.6	28.2	26.4	25.9	-0.5
Region:																					
Northeast	_	36.4	30.0	35.0	35.2	35.5	37.2	35.9	35.6	37.5	39.3	33.9	33.6	35.4	38.1	38.7	37.9	32.6	31.1	36.3	+5.2
Midwest	_	37.2	38.2	32.5	34.1	38.2	31.5	33.7	34.8	33.4	34.8	39.2	35.0	34.9	34.2	31.3	32.2	32.0	31.2	29.4	-1.7
South	_	26.5	25.2	26.4	29.1	31.2	31.0	34.5	30.1	30.8	26.5	28.8	28.4	25.9	29.3	26.9	27.4	26.5	25.5	23.6	-1.9
West	_	28.5	26.6	23.2	25.4	27.1	24.7	32.7	33.5	32.2	32.8	28.8	25.0	30.1	29.5	26.5	25.2	26.0	24.1	23.5	-0.6
Population Density:																					
Large MSA	_	30.4	26.1	29.4	28.7	32.0	31.5	31.5	32.2	29.2	30.5	30.6	32.9	25.4	27.4	28.2	30.4	29.8	31.4	29.8	-1.6
Other MSA	_	33.5	29.8	26.9	29.9	31.7	33.0	33.7	34.0	35.4	34.5	31.7	29.1	33.5	37.3	31.5	29.0	27.6	25.0	25.9	+0.8
Non-MSA	_	29.4	33.7	32.0	34.4	36.9	28.2	38.2	31.4	32.5	30.5	36.7	29.2	33.2	29.1	29.9	31.4	29.4	28.8	27.8	-1.1
Parental Education.a																					
1.0-2.0 (Low)	_	20.4	20.5	23.6	25.7	25.4	18.8	23.7	24.6	20.8	28.4	22.2	20.0	25.6	25.5	22.0	27.7	19.7	26.7	19.8	-6.8
2.5-3.0	_	30.2	30.0	26.4	30.3	30.0	27.4	31.5	28.0	30.5	33.1	32.2	27.0	28.7	32.3	29.9	29.5	31.6	25.3	29.0	+3.7
3.5-4.0	_	31.0	31.3	29.2	29.9	34.4	31.1	32.7	34.1	34.0	31.2	32.0	32.4	30.6	35.1	31.3	31.0	26.8	28.2	28.2	0.0
4.5-5.0	_	34.4	29.4	32.8	33.5	36.5	35.8	37.7	36.0	32.8	31.9	36.1	31.0	33.3	33.7	31.3	29.7	28.4	30.0	27.0	-3.0
5.5-6.0 (High)	_	40.5	34.3	30.4	30.7	34.9	34.6	39.8	39.9	40.6	35.5	33.6	34.5	33.4	32.6	32.2	30.1	33.0	27.8	29.0	+1.2
Race/Ethnicity (2-year average	).b																				
White	_	_	34.7	33.6	34.0	36.4	36.6	37.7	39.3	37.8	37.0	37.7	36.6	35.6	36.4	36.5	35.2	33.7	32.7	31.8	-0.9
African American	_	_	11.0	12.5	14.1	13.2	13.0	13.8	13.8	14.9	14.9	12.0	12.1	11.7	14.3	15.4	13.5	14.6	14.8	15.1	+0.3
Hispanic	_	_	27.2	24.8	23.0	24.2	26.2	26.9	25.9	27.5	29.8	25.5	23.5	23.9	24.1	22.2	23.1	24.0	22.2	21.7	-0.5
Source The Monitoring the Futur	o otudu the	Linivarait	v of Miobi	aon																	

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-79
Alcohol: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 8</u>

						Pe	rcentage	reportin	g 5+ drin	ks in a ro	ow on on	e or mor	e occasi	ons						2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009
Approximate wtd. N =		18.600	18.300	17,300	17.500	17.800	18.600	18.100		2000 16,700	16.200	<u>2002</u> 15.100	2003 16.500	<u>2004</u> 17.000	2005 16.800	2006 16.500	<u>2007</u> 16.100	<u>2006</u> 15.700	15,000	<u>change</u>
Total	10.9	11.3	11.3	12.1	12.3	13.3	12.3	11.5	13.1	11.7	11.0	10.3	9.8	9.4	8.4	8.7	8.3	8.1	7.8	-0.3
Gender:					. 2.0		. 2.0					10.0	0.0	0	0	0	0.0	0		0.0
Male	12.1	11.6	12.4	13.2	12.5	14.1	13.0	12.1	14.0	11.7	11.5	10.4	10.2	8.8	8.2	8.6	8.2	8.1	7.8	-0.3
Female	9.6	10.8	10.3	11.1	12.1	12.4	11.5	10.8	12.0	11.3	10.2	10.0	9.4	9.9	8.6	8.5	8.2	8.0	7.7	-0.4
College Plans:																				
None or under 4 years	21.1	23.0	25.7	25.3	25.0	26.1	26.5	26.7	30.2	25.0	24.7	24.7	23.2	21.2	21.0	19.3	21.5	21.3	19.1	-2.3
Complete 4 years	9.3	9.7	9.4	10.5	10.8	11.3	10.7	9.8	11.2	10.1	9.4	9.0	8.4	8.2	7.2	7.6	7.1	7.0	6.8	-0.2
Region:																				
Northeast	8.6	8.8	8.1	10.9	11.1	12.8	10.9	9.7	12.4	11.5	10.5	8.4	7.8	8.1	6.0	7.8	5.6	7.1	8.2	+1.1
Midwest	11.5	12.5	10.9	11.5	12.2	13.5	12.0	12.4	15.5	13.2	10.8	10.5	10.8	10.1	8.7	8.8	7.5	8.2	7.0	-1.2
South	11.9	12.3	12.9	12.4	13.0	13.7	13.2	11.9	13.3	11.0	12.5	11.4	10.6	9.6	9.8	9.7	9.4	9.7	8.8	-0.9
West	10.2	10.4	12.8	13.8	12.3	12.9	12.3	11.6	10.3	10.9	9.0	9.9	9.0	9.5	8.0	7.6	8.9	6.3	6.6	+0.3
Population Density:																				
Large MSA	10.6	10.4	8.6	10.4	10.3	12.2	11.3	10.1	11.0	10.6	9.2	8.3	8.8	8.7	8.0	8.1	7.4	8.1	6.4	-1.7
Other MSA	10.5	11.7	12.3	13.1	12.2	13.7	12.1	10.9	12.1	10.5	11.0	10.8	8.9	9.3	8.3	8.3	8.5	7.9	8.2	+0.2
Non-MSA	12.0	11.7	12.9	12.1	15.0	14.2	13.9	14.3	17.4	15.3	13.1	11.8	12.9	10.5	9.2	10.2	9.2	8.4	8.9	+0.6
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	18.3	17.8	16.3	16.8	20.1	16.9	17.6	16.5	20.8	18.9	16.5	16.6	16.3	14.9	14.4	13.3	15.5	17.0	15.2	-1.8
2.5-3.0	12.6	13.4	13.3	14.2	14.8	15.4	13.5	13.8	17.0	15.3	14.3	12.8	13.5	12.1	10.7	10.6	10.5	10.5	9.5	-1.0
3.5-4.0	10.7	11.3	11.5	12.5	13.3	14.3	14.2	12.4	14.0	11.0	11.7	11.1	10.5	10.0	9.4	9.9	9.2	7.9	8.7	+0.8
4.5-5.0	8.8	8.7	8.5	10.3	9.3	11.1	10.3	9.3	9.5	8.2	8.1	7.9	6.7	8.0	6.4	6.7	5.5	5.7	5.3	-0.4
5.5-6.0 (High)	8.8	8.4	8.9	9.1	8.7	10.7	9.0	9.4	9.2	9.5	6.6	7.3	6.8	6.2	5.0	5.9	5.0	4.7	4.7	0.0
Race/Ethnicity (2-year average).b																				
White	_	11.2	10.9	11.1	12.1	13.2	13.3	12.3	12.6	13.0	11.9	10.9	10.0	9.6	9.0	8.4	8.0	7.8	7.7	-0.1
African American	_	6.5	7.6	8.6	8.3	8.0	7.5	6.9	7.7	7.3	6.4	7.1	7.5	6.9	6.1	5.7	5.6	5.7	5.2	-0.5
Hispanic	_	16.5	17.7	18.9	18.4	17.5	17.4	16.9	17.4	16.0	14.4	14.4	13.8	13.2	12.1	11.6	12.5	12.3	11.5	-0.8

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

The 1991–2007 estimates for five or more drinks in a row differ slightly from some previous reports due to an error in the data editing process prior to 2008.

The revised estimates average about 2 percentage points lower than the estimates previously reported. Those previous overestimates have been corrected in this table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-80
Alcohol: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 10</u>

2008-

						Pe	rcentage	reportin	g 5+ drin	ks in a re	ow on on	e or mor	e occasi	ons						2008-	2008– 2009
Approximate wtd. N =	<u>1991</u> 14,800	<u>1992</u> 14,800	<u>1993</u> 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	1999 13,600	2000 14,300	2001 14,000	2002 14,300	2003 15,800	2004 16,400	2005 16,200	2006 16,200	2007 16,100	2008 15,100	<u>2009</u> 15,900	2009 change	adjusted <u>change</u>
Total	21.0	19.1	21.0	21.9	22.0	22.8	23.1	22.4	23.5	24.1	22.8	20.3	20.0	19.9	19.0	19.9	19.6	16.0	17.5	+1.5	[+0.8]
Gender:																					
Male	24.1	21.5	24.1	26.4	24.1	25.1	26.3	24.7	27.4	27.6	26.1	21.6	21.1	21.6	19.9	21.0	20.9	16.6	18.8	+2.3 s	
Female	18.1	17.0	17.7	17.3	19.7	20.4	20.1	20.4	20.0	20.6	19.7	19.0	19.0	18.1	17.9	18.9	18.3	15.4	16.1	+0.7	
College Plans:																					
None or under 4 years	30.5	28.6	31.8	34.1	34.5	35.7	36.9	35.7	36.5	36.7	37.2	31.0	31.5	29.6	31.3	30.8	30.7	29.1	29.9	+0.8	
Complete 4 years	19.1	17.2	18.8	19.3	19.8	20.7	20.8	20.2	21.5	22.2	20.5	18.5	18.2	18.6	17.3	18.6	18.2	14.4	16.1	+1.7 s	
Region:																					
Northeast	23.7	18.0	21.1	19.9	20.3	22.3	21.8	24.1	26.0	23.8	20.7	19.5	21.5	23.8	21.0	21.2	20.4	16.8	16.4	-0.4	
Midwest	21.7	19.8	22.0	23.0	23.3	23.4	22.4	22.2	25.0	26.2	24.8	20.3	19.9	16.7	18.8	20.0	20.7	16.5	17.2	+0.6	
South	20.8	18.9	20.4	22.9	22.4	23.5	23.4	23.1	22.1	22.5	22.1	19.7	19.1	20.1	18.6	19.1	18.4	16.3	18.4	+2.1	
West	18.6	19.8	20.0	20.4	21.1	21.4	25.3	19.9	21.7	24.6	23.1	22.2	20.1	19.6	17.6	20.1	19.5	14.4	17.4	+3.0	
Population Density:																					
Large MSA	20.2	17.5	19.1	17.6	18.4	20.5	20.4	18.3	22.4	24.0	20.8	17.6	18.0	16.9	17.4	19.2	17.9	14.5	16.7	+2.2	
Other MSA	20.4	18.1	19.2	22.7	22.1	23.0	22.9	22.0	22.7	23.4	21.7	20.4	19.9	21.6	19.4	19.7	19.6	16.0	17.0	+1.0	
Non-MSA	22.9	22.8	25.8	24.6	25.9	25.3	26.6	28.0	26.7	25.7	27.2	23.8	23.4	20.1	20.3	21.9	22.5	18.1	19.8	+1.7	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	23.2	23.0	24.3	22.6	26.7	24.7	22.7	24.1	25.2	24.7	23.0	23.9	24.4	23.0	21.0	19.8	22.0	20.6	25.7	+5.0 s	
2.5–3.0	23.8	20.0	23.4	23.4	24.7	25.5	23.5	25.5	26.3	27.0	24.6	22.5	21.8	21.9	21.3	22.8	22.6	17.8	19.6	+1.8	
3.5-4.0	19.9	19.2	20.6	23.3	22.8	23.7	24.6	22.8	23.6	23.8	24.2	20.7	20.5	20.4	18.9	21.2	20.7	16.6	18.4	+1.9	
4.5-5.0	19.3	18.1	18.6	20.2	20.2	20.3	21.6	20.1	21.3	23.3	21.5	17.7	17.8	18.2	17.9	18.1	17.7	14.7	14.7	0.0	
5.5-6.0 (High)	20.9	18.4	18.9	18.5	17.3	22.4	22.4	20.1	23.6	23.1	21.2	18.7	18.4	19.0	17.9	19.0	17.2	12.8	14.8	+2.0	
Race/Ethnicity (2-year average).b																					
White	_	21.6	21.4	22.9	23.8	24.5	25.2	25.3	25.4	26.2	25.6	23.6	22.5	22.2	21.8	21.7	21.8	19.7	17.9	-1.8	
African American	_	12.3	11.9	11.8	11.1	9.4	10.0	10.6	10.7	10.8	10.3	10.0	9.8	9.7	9.1	9.1	10.0	9.8	9.8	0.0	
Hispanic	_	20.3	20.5	20.9	23.3	25.7	24.4	23.6	24.4	25.1	24.8	23.3	22.9	23.3	22.4	21.2	20.1	19.6	20.6	+1.0	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

The 1991–2007 estimates for five or more drinks in a row differ slightly from some previous reports due to an error in the data editing process prior to 2008.

The revised estimates average about 2 percentage points lower than the estimates previously reported. Those previous overestimates have been corrected in this table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools

participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-81
Alcohol: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 12</u>

Percentage reporting 5+ drinks in a row on one or more occasions 1975 1976 1979 1987 1988 1989 1990 1991 1977 1978 1980 1981 1982 1983 1984 1985 1986 15,200 Approximate wtd. N = 9,400 15,400 17,800 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 16,700 15,000 17,100 Total 36.8 37.1 39.4 41.2 41.2 41.4 40.5 40.8 38.7 36.7 36.8 37.5 34.7 33.0 32.2 29.8 Gender: Male 49.0 47.9 50.0 51.4 51.9 52.1 51.6 49.8 50.4 47.5 45.3 46.1 46.1 43.0 41.2 39.1 37.8 Female 26.4 25.9 29.3 29.6 30.9 30.5 30.8 31.1 31.0 29.6 28.2 28.1 29.2 26.5 24.9 24.4 21.2 College Plans: None or under 4 years 41.8 44.7 44.3 44.5 46.3 46.7 45.7 44.9 43.5 41.6 41.3 42.7 38.5 38.2 35.8 34.4 Complete 4 years 31.5 33.9 35.9 37.7 36.9 37.4 36.5 37.2 34.6 33.0 34.1 35.0 32.8 30.5 30.3 27.9 Region: Northeast 43.0 40.8 40.0 43.5 47.4 48.0 49.3 43.3 42.2 42.9 42.4 37.1 37.2 34.3 33.3 37.2 33.4 Midwest 40.6 42.8 45.3 45.4 44.9 47.9 47.2 39.7 42.6 43.5 39.9 40.4 37.9 44.5 44.8 44.3 34.6 South 32.1 30.8 37.6 33.5 29.7 33.4 28.5 27.2 36.3 36.4 36.7 34.4 34.7 34.6 31.7 30.4 26.3 West 30.8 29.0 32.8 34.2 33.3 34.0 36.0 35.6 32.5 33.3 34.5 36.1 35.9 36.6 35.4 26.3 26.3 Population Density: Large MSA 37.9 37.0 38.1 39.5 42.2 44.8 43.4 40.9 38.8 37.9 37.6 36.4 34.8 32.5 28.8 34.5 28.6 Other MSA 36.1 36.8 39.5 40.1 40.8 38.9 39.5 39.7 41.0 37.3 35.4 35.5 38.6 35.3 33.7 31.8 30.1 Non-MSA 41.3 36.9 38.0 40.5 41.3 40.9 41.4 42.2 42.0 41.2 37.6 39.1 38.3 35.9 35.8 30.6 30.4 Parental Education:<sup>a</sup> 1.0-2.0 (Low) 31.6 34.1 35.6 36.3 36.0 37.0 37.0 35.3 37.2 34.8 31.8 31.7 33.9 30.7 25.4 25.3 26.8 2.5-3.0 37.5 41.1 41.8 40.9 42.3 43.3 43.2 41.4 41.2 39.8 38.2 37.9 38.9 35.7 34.0 32.7 29.9 3.5-4.0 35.1 36.4 39.5 41.3 41.4 42.1 42.4 42.4 40.9 39.3 36.9 37.9 38.3 34.3 32.0 30.4 34.7 4.5-5.0 34.4 36.9 37.2 42.4 43.8 40.8 40.8 41.9 41.9 38.6 37.1 37.1 37.2 35.1 34.2 34.5 29.9 5.5-6.0 (High) 29.9 34.5 41.1 37.2 41.9 38.5 39.3 40.9 42.1 38.2 34.9 36.7 37.2 34.7 31.8 34.1 30.6 Race/Ethnicity (2-year average):b White 40.5 42.4 43.5 44.3 44.9 44.9 44.5 43.6 41.5 40.3 40.9 40.0 37.9 36.6 34.6 African American 19.0 19.3 18.9 17.7 17.1 17.1 18.3 17.2 15.7 16.4 15.8 15.2 15.7 14.4 11.7 Hispanic 36.4 37.2 33.6 33.1 34.8 32.9 32.5 33.0 31.7 30.8 33.0 33.7 28.8 25.6 27.9

(Table continued on next page.)



TABLE D-81 (cont.)
Alcohol: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 12</u>

Approximate wtd. N = 15,800 16,300 15,400 15,400 14,300 15,400 15,400 15,400 15,400 15,400 15,400 15,400 12,800 12,800 12,800 12,800 12,800 14,600 14,600 14,700 14,700 14,700 14,000 14	2009 change 0.6 2.1 1.1
Approximate wtd. N = 15,800 16,300 15,400 15	0.6 2.1
Total 27.9 27.5 28.2 29.8 30.2 31.3 31.5 30.8 30.0 29.7 28.6 27.9 29.2 27.1 25.4 25.9 24.6 25.2 + Gender:  Male 35.6 34.6 37.0 36.9 37.0 37.9 39.2 38.1 36.7 36.0 34.2 34.2 34.3 32.6 28.9 30.7 28.4 30.5 +	2.1
Gender: Male 35.6 34.6 37.0 36.9 37.0 37.9 39.2 38.1 36.7 36.0 34.2 34.2 34.3 32.6 28.9 30.7 28.4 30.5 +	2.1
Male 35.6 34.6 37.0 36.9 37.0 37.9 39.2 38.1 36.7 36.0 34.2 34.2 34.3 32.6 28.9 30.7 28.4 30.5 +	
	1.1
College Plans:	
None or under 4 years 32.8 32.7 34.0 35.2 33.9 36.2 36.3 35.4 35.7 35.9 34.0 34.5 34.6 34.3 32.3 30.8 31.5 31.3	0.2
Complete 4 years 26.0 25.8 26.3 27.8 28.8 29.5 30.0 29.5 27.6 27.8 27.2 25.9 27.6 25.1 23.7 24.7 23.2 23.8 +	0.6
Region:	
Northeast 25.8 30.3 29.2 31.2 33.7 33.5 33.5 33.7 35.1 31.8 30.7 30.9 33.2 32.2 30.9 29.7 27.3 28.9 +	1.5
Midwest 34.6 30.1 31.9 34.3 31.5 31.6 32.6 31.6 33.9 34.5 33.4 32.5 30.2 29.1 26.5 28.9 25.2 28.8 +	3.7
South 24.7 27.1 26.9 28.6 30.2 30.6 30.7 30.0 24.9 26.6 26.8 23.7 26.1 24.2 23.9 25.4 24.7 23.1 -	1.6
West 26.0 22.0 24.5 24.2 24.0 29.6 29.5 28.6 29.3 26.0 23.9 26.5 28.6 24.5 22.0 20.5 21.9 20.9	1.0
Population Density:	
Large MSA 25.5 27.6 26.8 28.3 29.8 29.9 27.9 27.1 29.7 29.0 29.9 23.3 25.5 26.5 26.6 28.0 25.8 25.7 -	0.1
Other MSA 27.0 26.5 27.1 28.4 30.3 31.1 33.1 32.2 29.3 29.0 28.0 29.8 31.9 27.4 25.0 24.2 22.5 24.1 +	1.6
Non-MSA 31.9 29.2 31.5 34.0 30.5 33.2 32.4 32.4 31.7 31.9 28.2 30.5 28.2 27.0 24.5 26.4 28.1 27.2 -	0.9
Parental Education: <sup>a</sup>	
1.0-2.0 (Low) 23.4 21.9 24.0 26.6 24.8 22.6 26.3 27.4 25.1 24.8 22.2 23.5 22.9 19.4 25.4 20.4 21.3 23.2 +	1.8
2.5-3.0 28.1 27.6 28.5 31.2 28.6 30.4 30.3 30.8 29.2 30.2 28.5 27.6 28.8 28.3 25.8 27.3 23.0 24.6 +	1.5
3.5-4.0 27.9 28.4 28.4 29.5 29.8 31.0 33.2 30.5 30.5 30.3 28.6 28.4 30.9 27.6 26.5 24.8 25.1 27.6 +	2.4
4.5-5.0 28.1 28.4 29.3 29.9 32.4 32.4 32.3 30.6 29.9 30.9 30.9 28.6 30.5 29.4 24.0 27.5 26.2 24.4	1.8
5.5–6.0 (High) 30.4 29.0 29.0 30.7 33.1 34.9 32.4 34.2 32.7 28.6 30.6 28.7 27.8 25.2 26.3 27.1 26.4 25.6	0.7
Race/Ethnicity (2-year average). <sup>b</sup>	
White 32.1 31.3 31.5 32.3 33.4 35.1 36.4 35.7 34.6 34.5 33.7 32.4 32.5 32.5 30.4 29.7 29.9 29.0	0.9
African American 11.3 12.6 14.4 14.9 15.3 13.4 12.3 12.3 11.5 11.8 11.5 10.8 11.4 11.3 11.4 11.5 10.9 12.0 +	1.1
Hispanic 31.1 27.2 24.3 26.6 27.1 27.6 28.1 29.3 31.0 28.4 26.4 25.9 26.0 23.9 23.3 22.5 21.5 22.6 +	1.1

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

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

See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>c</sup>Due to a coding error, previously released versions of this table contained values that were slightly off for 2005 and 2006. These have been corrected here.

TABLE D-82
Beer: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

								Perce	entage w	ho used	in last 30	) days								2008-
																				2009
Approximate wtd. N =	1991 17 500	1992 18,600	1993 18,300	1994 17,300	1995 17,500	1996 17,800	<u>1997</u> 18,600	1998 18,100	1999 16,700	2000 16,700	2001 16,200	2002 15,100	2003 16,500	2004 17,000	2005 16,800	2006 16,500	2007 16,100	2008 15,700	2009 15,000	<u>change</u>
Total	16.2	16.9	17.4	18.3	18.8	18.4	16.7	16.2	16.6	15.2	15.0	12.3	12.0	14.4	12.8	12.5	12.2	11.8	10.0	-1.8
Gender:				.0.0	.0.0					.0.2	.0.0	.2.0	.2.0		.2.0	.2.0				
Male	19.1	18.6	19.1	21.2	20.4	19.9	18.6	17.7	19.4	16.8	16.5	12.2	12.4	14.0	12.9	13.0	11.3	12.3	10.6	-1.7
Female	13.5	15.3	16.1	16.0	17.0	17.1	14.6	14.7	14.1	13.5	13.6	12.2	11.4	14.6	12.9	11.9	12.2	11.2	9.2	-2.0
College Plans:																				
None or under 4 years	26.4	27.7	32.2	32.8	36.0	33.0	33.9	32.6	35.5	29.6	32.9	27.4	28.7	26.4	26.3	24.7	27.3	30.5	20.9	-9.5 ss
Complete 4 years	14.6	15.4	15.6	16.6	16.8	16.3	14.6	14.4	14.3	13.8	12.9	11.1	10.2	13.1	11.5	11.4	10.8	10.3	9.0	-1.3
Region:																				
Northeast	14.0	14.0	14.9	18.6	19.3	21.7	18.4	14.7	18.5	14.2	18.7	10.8	12.3	15.1	11.4	11.4	9.5	10.4	9.2	-1.2
Midwest	16.4	18.0	16.7	18.0	17.4	19.3	16.8	18.4	17.5	17.0	13.2	10.2	14.0	15.9	11.4	13.2	10.6	12.5	8.4	-4.2 s
South	17.8	18.5	19.1	18.2	20.1	16.6	15.5	16.1	17.2	14.2	14.3	14.0	11.4	14.4	15.0	13.3	14.0	14.1	12.2	-1.9
West	14.9	15.1	18.0	18.8	17.6	17.8	17.2	15.1	12.6	15.7	15.3	13.9	10.3	12.2	11.4	11.4	12.0	8.9	8.8	-0.1
Population Density:																				
Large MSA	15.0	18.7	15.1	15.2	12.0	16.2	15.0	13.8	14.3	14.0	12.0	11.5	11.0	14.2	11.4	11.9	10.3	13.0	8.9	-4.0
Other MSA	16.1	16.8	17.6	19.4	19.1	19.6	15.9	14.3	16.5	14.1	15.5	12.4	11.9	13.9	13.6	12.1	12.3	11.3	9.5	-1.9
Non-MSA	17.8	15.4	19.8	18.3	21.8	18.8	19.6	22.7	19.4	18.8	17.2	13.2	13.5	15.6	13.1	14.3	14.6	11.3	12.5	+1.2
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	22.0	22.5	21.5	24.4	23.9	19.7	21.6	21.9	25.4	23.2	21.3	24.1	17.1	23.7	22.6	17.3	21.0	21.3	15.0	-6.3
2.5–3.0	18.2	18.4	19.5	19.7	22.8	21.3	21.2	17.4	19.7	20.7	18.4	14.8	15.1	17.8	15.8	16.8	19.5	16.7	13.2	-3.5
3.5–4.0	15.7	18.0	19.4	19.7	19.6	20.2	18.5	17.9	16.9	13.5	18.1	13.5	14.3	15.0	13.9	13.6	10.6	13.1	10.6	-2.6
4.5–5.0	14.4	13.4	14.9	15.3	15.6	17.8	12.7	12.6	12.3	12.0	10.0	8.4	7.4	11.9	11.2	9.4	9.3	8.8	8.6	-0.2
5.5-6.0 (High)	13.5	14.6	14.4	17.2	14.2	13.2	14.1	17.0	16.0	11.4	9.7	10.3	10.2	13.3	6.7	9.3	6.7	7.0	6.5	-0.4
Race/Ethnicity (2-year average).b																				
White	_	16.7	17.6	17.9	19.0	19.7	18.8	17.4	17.4	16.8	15.5	13.5	12.0	13.5	14.0	12.7	11.5	11.5	11.2	-0.3
African American	_	12.6	13.0	15.8	14.5	11.1	9.7	8.1	9.7	9.7	7.9	7.2	7.5	8.1	7.6	8.5	9.0	7.4	6.3	-1.1
Hispanic	_	23.9	24.2	22.2	23.3	23.7	21.8	19.9	19.5	19.8	20.7	21.8	19.6	18.4	18.3	17.1	17.8	17.8	14.9	-2.9

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1991–1996; N is one half of N indicated in Table D-S1. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-83
Beer: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

2008-

								Perce	ntage w	ho used	in last 30	) days								2008–	2009
	4004	4000	4000	4004	4005	1000	1007	1000	1000	0000	0004	0000	0000	0004	0005	0000	0007	0000	0000	2009	adjusted
Approximate wtd. N =	<u>1991</u> 14 800	<u>1992</u> 14.800	1993 15.300	<u>1994</u> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	1999 13,600	2000 14,300	2001 14.000	2002 14,300	2003 15,800	2004 16,400	2005 16,200	2006 16.200	2007 16.100	2008 15.100	2009 15,900	<u>change</u>	<u>change</u>
Total	31.1	28.9	28.7	30.2	29.9	30.5	30.4	28.3	29.5	30.6	28.0	24.6	23.2	26.5	24.8	26.8	24.4	22.4	22.6	+0.2	[-0.6]
Gender:																					
Male	37.6	33.1	33.3	37.3	33.5	34.7	34.1	32.5	35.4	35.4	33.7	28.7	27.9	30.7	26.5	29.2	26.8	24.5	25.2	+0.7	
Female	25.2	25.1	24.2	23.3	26.2	26.7	27.1	24.3	23.8	25.6	22.9	20.9	19.3	22.3	23.1	24.0	21.8	20.6	19.8	-0.8	
College Plans:																					
None or under 4 years	39.4	37.5	37.4	41.4	41.9	44.8	43.8	40.5	43.7	42.7	42.3	37.2	30.3	36.4	36.4	39.2	39.2	38.1	38.0	-0.1	
Complete 4 years	29.4	27.2	26.9	28.0	27.8	28.1	28.2	26.1	27.0	28.6	25.9	22.7	22.2	25.1	23.2	25.2	22.6	20.4	20.9	+0.6	
Region:																					
Northeast	37.1	29.4	32.0	31.9	31.7	33.1	33.2	31.0	34.7	31.7	27.0	23.8	25.6	30.4	25.2	31.4	27.3	24.9	23.3	-1.5	
Midwest	31.7	29.4	29.1	31.6	31.1	30.4	30.1	27.8	29.8	33.1	29.0	25.6	23.3	22.1	26.2	25.5	24.7	23.0	21.3	-1.7	
South	29.4	28.4	26.6	29.5	29.4	30.6	28.5	27.2	27.8	27.1	26.6	22.6	21.9	27.2	23.6	25.0	21.2	22.7	23.5	+0.9	
West	28.4	28.8	28.7	27.5	27.3	28.1	31.1	28.1	26.6	32.6	30.6	27.6	22.6	27.0	24.4	27.2	25.8	19.7	21.8	+2.1	
Population Density:																					
Large MSA	31.0	30.1	28.8	28.9	23.9	28.9	28.8	24.3	29.3	30.1	25.5	22.5	21.6	23.4	21.8	25.5	24.6	21.7	22.1	+0.5	
Other MSA	28.9	27.4	26.4	30.8	30.3	30.1	31.2	28.9	29.4	29.8	26.2	24.7	22.9	27.0	25.2	27.5	22.4	21.8	22.6	+0.8	
Non-MSA	35.2	30.8	32.8	30.0	32.2	33.0	30.5	31.4	30.0	32.7	34.4	27.1	26.1	29.3	27.9	27.3	28.7	24.8	23.1	-1.7	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	33.5	27.7	33.3	30.0	34.0	28.9	28.6	29.3	26.5	26.7	26.7	22.4	26.3	28.7	28.9	27.8	28.9	29.2	26.8	-2.4	
2.5–3.0	32.0	30.3	28.4	31.1	33.0	31.1	30.3	30.9	32.3	30.8	27.2	28.6	24.1	30.3	29.1	30.7	29.7	25.7	25.7	0.0	
3.5-4.0	31.4	29.9	29.0	31.3	30.1	30.9	31.3	30.0	29.5	32.3	29.0	25.1	24.3	26.2	23.8	28.4	25.4	23.5	22.8	-0.6	
4.5–5.0	29.9	27.7	28.0	30.3	28.5	29.0	31.4	25.0	27.4	32.4	27.7	22.7	21.9	26.4	24.4	23.4	21.5	20.6	20.3	-0.3	
5.5-6.0 (High)	30.7	27.4	28.1	27.1	26.5	33.7	30.7	26.5	31.1	28.7	30.4	21.9	21.0	24.2	21.7	26.0	20.5	17.3	20.0	+2.7	
Race/Ethnicity (2-year average).b																					
White	_	31.7	30.2	31.1	32.1	32.5	32.4	31.9	32.2	33.1	31.7	28.7	27.0	27.5	28.2	28.4	27.8	25.3	23.9	-1.3	
African American	_	20.9	20.3	19.0	18.8	15.9	15.6	13.1	10.0	13.5	14.8	11.6	10.2	11.3	12.5	11.9	9.7	10.0	11.7	+1.6	
Hispanic	_	32.2	29.6	29.3	31.2	31.9	31.3	29.8	28.3	28.9	30.7	28.6	25.1	27.8	31.3	30.7	29.3	28.2	28.0	-0.2	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1991–1996; N is one half of N indicated in Table D-S2. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-84
Beer: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who used in last 30 days 1975 1976 1978 1979 1980 1981 1982 1986 1987 1988 1989 1990 1991 1977 1983 1984 1985 16,700 15,000 Approximate wtd. N = 17,800 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 15,200 15,400 17,100 Total 59.8 62.3 63.7 62.9 62.7 60.3 61.7 59.5 56.7 55.5 56.2 53.3 47.2 47.2 Gender: Male 68.6 73.1 73.0 74.0 74.3 71.4 68.3 69.7 67.4 64.5 64.3 64.9 61.8 59.7 55.7 55.3 Female 51.3 52.8 52.7 54.5 52.4 53.9 52.7 54.0 51.8 49.4 47.9 48.1 46.3 43.4 38.0 39.3 College Plans: None or under 4 years 62.1 64.6 65.2 65.7 68.3 65.0 64.6 62.4 62.7 59.8 54.2 58.2 57.3 55.5 46.5 52.4 Complete 4 years 57.6 60.3 59.5 61.6 58.4 61.0 57.4 61.1 57.4 55.1 55.7 55.1 51.8 49.4 47.5 45.2 Region: Northeast 64.9 65.9 64.7 71.9 67.6 67.1 65.7 68.3 62.6 64.4 51.5 56.8 54.8 54.2 52.7 49.5 Midwest 66.9 68.3 66.1 67.5 66.1 66.6 66.8 57.4 66.3 59.8 58.5 50.3 53.5 65.4 64.9 61.4 South 59.2 60.3 57.5 53.0 48.6 52.1 47.6 46.1 42.0 53.2 55.3 58.4 56.5 53.7 51.0 41.1 West 52.8 59.4 54.2 56.1 57.7 56.9 52.8 53.8 55.3 56.4 54.4 54.8 52.7 48.5 45.4 46.0 Population Density: Large MSA 62.5 64.2 62.8 65.3 67.7 63.8 63.3 63.1 58.8 56.0 55.1 56.9 52.6 50.1 52.3 44.4 Other MSA 58.6 62.0 62.4 62.3 62.1 61.9 58.6 59.4 56.6 56.8 55.1 56.4 53.0 51.6 47.3 47.6 Non-MSA 59.3 60.7 61.7 64.4 60.5 63.0 60.0 63.6 63.7 57.3 56.3 55.4 54.3 52.1 42.4 48.8 Parental Education:<sup>a</sup> 1.0-2.0 (Low) 58.5 48.3 54.6 52.9 55.9 54.7 56.8 58.8 51.1 52.2 46.8 55.8 47.1 45.3 42.2 48.1 2.5-3.0 62.7 64.8 63.6 64.5 66.1 65.4 58.5 59.8 62.4 56.8 54.6 53.6 51.9 52.4 47.5 46.7 3.5-4.0 58.4 66.0 62.7 67.1 64.4 64.0 63.9 62.3 61.2 57.9 56.0 56.0 51.5 52.2 45.8 48.4 4.5-5.0 62.6 64.4 68.4 58.4 60.1 60.0 66.2 61.9 60.5 57.6 59.9 58.2 51.4 49.3 46.4 5.5-6.0 (High) 69.3 68.3 63.6 69.3 68.9 68.3 65.9 54.2 55.4 62.5 57.7 57.4 53.2 53.4 46.1 64.1 Race/Ethnicity (2-year average):<sup>b</sup> White 63.8 65.2 65.9 66.3 66.3 65.4 64.6 64.6 62.2 59.9 59.6 59.1 57.0 54.1 51.6 African American 38.7 36.4 37.4 38.7 38.8 37.2 39.2 36.9 33.1 32.7 28.6 30.3 32.6 28.4 25.3 Hispanic 52.7 54.3 52.3 52.5 47.7 47.5 43.4 40.7 46.5 50.9 55.4 49.2 40.4 36.6 40.3

(Table continued on next page.)



TABLE D-84 (cont.)
Beer: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

<u>.</u>							F	Percentag	ge who us	sed in las	st 30 day	S							2008-
	4000	4000	4004	4005	4000	4007	4000	4000	0000	0004	0000	2002	0004	2005	0000	0007	0000	0000	2009
Approximate wtd. N =	<u>1992</u> 15.800	1993 16.300	<u>1994</u> 15.400	<u>1995</u> 15.400	1996 14.300	<u>1997</u> 15.400	1998 15.200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003 14.600	2004 14.600	2005 14.700	2006 14.200	2007 14.500	2008 14.000	2009 13.700	<u>change</u>
Total	42.0	43.4	42.6	44.9	46.9	44.4	45.6	42.7	42.7	41.5	39.7	37.8	38.3	38.0	35.5	36.6	33.7	-,	+1.2
Gender:	72.0	40.4	72.0	44.5	40.5	77.7	40.0	72.1	72.1	41.5	33.7	37.0	30.3	30.0	55.5	30.0	55.7	54.5	11.2
Male	50.1	50.0	51.2	53.0	53.5	49.7	55.0	48.2	51.7	50.9	44.3	44.5	44.1	47.3	39.7	43.7	40.7	42.2	+1.5
Female	34.6	37.2	35.6	37.4	40.2	39.9	37.0	36.9	33.9	32.1	34.4	31.7	32.1	30.4	31.1	29.3	27.7		+1.0
College Plans:	01.0	07.2	00.0	07.1	10.2	00.0	01.0	00.0	00.0	02.1	01.1	01.1	02.1	00.1	01.1	20.0		20.1	
None or under 4 years	48.8	48.2	47.1	50.1	46.2	44.6	49.6	47.5	42.4	54.1	45.7	39.4	44.0	45.1	46.2	39.0	43.7	38.5	-5.2
Complete 4 years	39.9	41.5	41.6	42.8	47.0	44.4	44.4	41.7	42.4	38.4	37.9	37.2	36.6	36.6	33.4	35.7	31.7		+2.4
Region:																			
Northeast	40.8	47.0	43.3	47.0	56.9	47.5	52.6	54.3	48.9	47.2	43.4	41.9	42.6	41.3	42.9	44.1	39.7	42.6	+2.9
Midwest	49.1	46.3	48.0	49.7	48.1	43.3	44.6	45.4	47.6	48.1	42.9	43.1	41.4	40.5	35.8	39.2	32.7	37.8	+5.1
South	39.5	43.0	40.4	43.8	44.4	43.3	43.2	36.6	35.1	33.6	35.1	32.0	34.2	33.8	34.2	34.2	33.4	31.0	-2.4
West	36.7	37.0	38.2	37.8	38.8	44.5	45.5	40.2	43.5	39.9	39.8	36.9	36.1	38.8	31.3	31.7	31.8	30.5	-1.3
Population Density:																			
Large MSA	42.3	44.0	42.8	45.9	49.1	45.5	42.1	39.9	45.2	38.0	40.5	36.3	34.2	37.9	35.1	40.7	36.9	39.5	+2.6
Other MSA	40.3	42.0	39.4	43.7	46.9	45.0	47.6	42.8	40.7	42.6	38.8	38.9	38.9	38.4	37.2	32.8	31.5	31.7	+0.2
Non-MSA	45.1	45.3	47.6	46.0	45.3	41.9	45.6	45.4	43.2	43.3	40.5	37.5	41.4	37.1	33.0	38.2	35.0	36.6	+1.5
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	36.6	41.1	37.0	43.1	31.2	30.4	37.0	35.4	37.2	39.1	41.6	30.9	34.1	32.9	27.5	32.8	28.5	32.2	+3.7
2.5–3.0	41.4	43.7	44.4	44.0	42.4	41.5	42.8	43.0	37.4	48.0	36.6	36.2	38.0	35.8	38.1	35.2	34.7	30.4	-4.4
3.5–4.0	40.7	44.4	42.2	42.8	48.2	46.3	48.9	42.5	45.1	35.8	40.9	39.9	43.0	38.4	35.7	36.8	30.9	36.9	+6.0
4.5–5.0	43.8	41.9	41.1	47.1	47.1	47.7	48.9	40.0	43.9	43.6	39.9	38.4	36.1	42.4	35.3	39.4	33.8	38.9	+5.1
5.5-6.0 (High)	47.0	47.7	46.6	49.6	58.0	49.9	44.5	51.8	52.0	42.3	45.2	41.4	38.7	37.6	38.4	38.8	43.1	33.7	-9.4
Race/Ethnicity (2-year average): <sup>b</sup>																			
White	48.3	46.0	46.5	47.8	50.1	50.7	49.9	47.7	45.8	46.7	45.4	43.1	42.1	42.3	41.8	41.0	39.7	37.8	-1.9
African American	24.2	28.0	29.9	25.6	28.4	25.5	22.8	22.3	21.7	20.6	16.9	14.0	15.7	18.0	14.8	13.6	14.6	19.3	+4.7
Hispanic	44.7	39.8	40.5	41.7	41.3	39.8	39.0	43.6	45.3	42.6	40.8	37.2	36.7	39.2	35.4	32.7	31.2	31.6	+0.4

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table D-S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table D-S3.

#### Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-85
Beer: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 8</u>

						Pe	rcentage	reporting	g 5+ drin	ks in a ro	ow on on	e or mor	e occasi	ons						2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change
Approximate wtd. N =		18.600	18.300	17.300	17.500	17.800	18.600	18.100		16,700	16.200	15.100		17.000	16.800	16.500	16.100	15.700	15.000	change
Total	7.2	7.3	8.2	8.5	8.5	9.2	7.6	8.0	8.3	7.5	8.1	6.1	5.5	6.8	5.8	5.5	5.4	5.1	4.9	-0.2
Gender:																				
Male	9.2	8.9	9.4	10.6	9.8	10.1	9.2	10.0	10.5	8.8	9.4	6.5	5.8	6.4	5.5	5.9	5.5	6.0	5.3	-0.7
Female	5.2	5.9	7.1	6.7	7.4	8.2	6.0	6.3	6.2	6.3	7.0	5.5	5.1	6.9	6.2	4.9	4.8	4.3	4.1	-0.2
College Plans:																				
None or under 4 years	15.4	18.2	18.4	20.7	17.5	19.7	22.0	21.6	24.8	21.9	25.4	19.0	17.5	19.0	16.7	13.9	15.3	19.2	15.4	-3.8
Complete 4 years	5.9	5.8	6.9	7.1	7.5	7.6	6.0	6.6	6.2	6.1	6.3	5.0	4.2	5.5	4.9	4.7	4.4	4.1	4.1	-0.1
Region:																				
Northeast	4.8	5.5	5.8	8.1	9.3	10.7	7.6	6.6	9.1	5.7	9.4	3.5	5.6	6.5	3.7	4.1	4.8	5.3	4.6	-0.7
Midwest	6.9	7.0	7.6	8.8	8.0	9.2	8.4	10.0	9.3	8.9	7.8	5.6	7.0	8.3	4.7	5.9	3.6	4.6	4.4	-0.2
South	8.9	9.0	9.4	8.1	8.8	8.4	6.9	8.0	8.9	7.1	7.9	6.7	5.1	6.4	7.4	6.3	6.6	6.2	5.8	-0.4
West	7.0	6.7	9.2	9.1	8.1	9.2	7.9	7.1	5.3	8.0	7.9	8.4	4.2	6.0	6.0	4.9	5.4	3.9	4.2	+0.4
Population Density:																				
Large MSA	6.6	7.4	6.1	6.9	5.3	8.5	5.6	6.7	6.2	6.0	5.4	5.0	4.2	5.6	4.9	4.1	4.5	5.6	4.4	-1.3
Other MSA	7.0	7.6	8.2	9.1	8.8	9.3	7.4	6.6	8.6	6.4	8.4	6.0	5.3	6.4	6.0	5.4	5.2	4.7	4.4	-0.3
Non-MSA	8.4	6.8	10.7	8.4	9.8	9.8	9.6	12.3	10.2	11.5	10.5	7.7	7.3	8.9	6.6	7.8	6.9	5.2	6.8	+1.6
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	12.6	12.5	11.0	11.6	12.5	12.8	9.8	12.6	17.9	14.8	11.5	11.2	9.4	11.9	14.0	8.9	11.6	11.3	9.5	-1.9
2.5–3.0	7.7	8.9	9.9	9.3	10.2	10.7	10.1	8.0	9.8	10.9	10.0	8.1	7.2	8.8	8.1	7.1	8.8	8.8	6.8	-2.0
3.5-4.0	7.8	7.0	7.9	9.0	9.8	10.1	8.3	9.0	10.4	6.6	9.1	6.8	6.0	7.9	5.3	5.4	4.8	5.7	5.1	-0.6
4.5–5.0	5.0	4.5	7.3	6.8	6.1	7.5	5.3	5.9	3.9	5.0	5.1	3.7	3.5	5.3	4.3	4.3	3.4	2.5	4.3	+1.8 s
5.5-6.0 (High)	6.2	6.0	6.2	8.4	5.9	6.7	5.7	8.7	6.1	4.3	5.3	4.8	4.1	4.7	2.4	4.7	2.1	2.3	2.0	-0.3
Race/Ethnicity (2-year average).b																				
White	_	7.0	7.6	8.0	8.7	9.2	8.6	7.9	8.3	8.3	7.7	6.7	5.7	6.1	5.9	5.2	4.9	4.8	5.0	+0.1
African American	_	5.2	5.1	7.2	6.4	4.9	4.4	3.6	4.7	4.9	4.0	3.2	3.0	3.6	3.1	2.7	2.6	2.4	2.0	-0.4
Hispanic	_	12.7	13.2	12.1	11.6	12.7	12.3	10.5	10.2	9.8	12.3	13.2	10.3	9.1	10.0	9.0	9.0	9.0	7.3	-1.7

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1991–1996; N is one half of N indicated in Table D-S1. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-86
Beer: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 10</u>

2008-

						Pe	rcentage	reportin	g 5+ drir	ıks in a ro	ow on on	e or mor	e occasi	ons						2008-	2008–
Approximate wtd. N =	<u>1991</u> 14,800	<u>1992</u> 14,800	<u>1993</u> 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	<u>1999</u> 13,600	2000 14,300	2001 14,000	2002 14,300	2003 15,800	<u>2004</u> 16,400	2005 16,200	2006 16,200	2007 16,100	2008 15,100	<u>2009</u> 15,900	2009 <u>change</u>	adjusted <u>change</u>
Total	16.4	15.1	16.1	17.0	17.1	17.9	17.6	16.0	18.1	17.5	16.3	14.1	13.8	13.6	13.1	14.5	13.7	10.8	11.3	+0.5	[+0.9]
Gender:																					
Male	21.7	18.9	20.4	23.0	21.1	22.5	21.2	20.7	24.0	22.5	22.2	16.7	18.3	17.1	15.2	16.3	16.5	12.8	13.6	+0.8	
Female	11.7	11.7	11.8	11.1	13.1	13.7	14.4	11.8	12.5	12.7	11.2	11.7	9.9	10.4	10.8	12.3	10.7	9.2	9.1	-0.1	
College Plans:																					
None or under 4 years	25.4	22.8	25.4	26.6	28.2	30.7	31.6	26.1	29.9	26.8	31.2	26.2	22.7	20.5	23.0	26.1	26.4	21.2	24.3	+3.1	
Complete 4 years	14.5	13.5	14.2	15.0	15.3	15.8	15.4	14.2	16.2	15.9	14.1	12.2	12.6	12.7	11.8	12.8	12.3	9.6	10.0	+0.4	
Region:																					
Northeast	19.0	14.6	17.1	18.4	17.4	19.9	17.5	18.8	21.5	16.4	15.2	12.6	16.4	16.9	15.2	17.7	14.7	12.0	12.1	+0.1	
Midwest	16.5	16.7	17.3	18.2	18.3	18.8	18.4	16.3	18.3	20.9	16.4	14.9	13.5	10.9	14.6	14.8	14.2	11.2	11.0	-0.2	
South	15.4	13.9	14.9	16.9	16.9	17.7	16.6	15.4	17.5	15.7	15.9	13.2	12.4	12.8	10.8	12.7	12.5	11.3	11.6	+0.4	
West	15.9	15.5	15.2	13.5	15.5	15.1	18.3	14.0	15.5	16.9	18.3	16.0	14.0	15.0	12.4	13.7	13.9	9.0	10.4	+1.4	
Population Density:																					
Large MSA	16.0	14.8	15.2	14.5	12.7	16.4	15.9	12.8	18.0	16.9	13.0	12.0	13.0	11.5	10.6	13.3	12.7	10.2	10.4	+0.2	
Other MSA	15.8	13.9	13.9	17.0	17.2	17.6	17.6	15.9	17.3	16.3	15.7	13.5	13.1	14.4	13.8	15.3	12.5	10.9	11.5	+0.7	
Non-MSA	17.9	17.7	20.9	18.7	19.6	20.1	19.1	19.6	20.1	20.1	21.2	18.1	17.0	14.7	14.6	14.1	17.8	11.7	12.2	+0.5	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	21.3	15.6	18.9	19.2	20.3	20.5	18.1	12.8	14.2	16.7	17.9	13.8	19.0	14.1	15.1	16.4	19.2	15.1	17.0	+1.9	
2.5–3.0	18.5	16.6	15.3	18.5	19.7	18.8	18.0	19.0	20.5	16.5	15.9	15.8	14.8	17.1	16.3	17.8	18.1	13.2	13.7	+0.5	
3.5–4.0	15.0	15.6	16.5	16.7	17.4	18.5	18.9	15.8	17.6	17.9	17.8	14.4	13.7	13.9	13.6	14.5	13.9	10.9	12.6	+1.7	
4.5–5.0	15.1	14.0	16.3	16.8	16.0	15.9	16.5	14.9	17.3	19.0	14.3	12.5	13.1	12.0	11.6	12.3	11.0	9.5	8.4	-1.1	
5.5-6.0 (High)	15.4	13.1	15.3	14.5	13.8	18.3	16.1	16.2	19.3	16.8	17.5	13.1	11.8	13.7	11.3	14.3	10.6	7.6	9.6	+2.1	
Race/Ethnicity (2-year average).b																					
White	_	16.7	16.4	17.4	18.1	19.0	19.3	18.6	19.7	19.9	18.1	16.5	16.1	15.5	15.1	15.8	15.7	13.7	12.2	-1.5	
African American	_	9.8	10.1	9.3	8.7	6.5	6.6	5.5	4.0	6.2	6.8	6.1	4.7	4.1	4.2	3.8	3.7	3.7	4.0	+0.3	
Hispanic The Maritarian the Future of	_	17.2	16.1	16.8	18.6	19.7	19.5	16.9	14.8	17.5	20.3	17.5	16.2	17.5	16.5	16.0	16.6	15.7	14.7	-1.0	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1991–1996; N is one half of N indicated in Table D-S2. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table D-S2.

#### Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-87
Beer: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 12</u>

					Pe	rcentage	reporting	g 5+ drin	ks in a ro	w on one	e or more	e occasio	ons				
	<u>1975</u>	<u>1976</u>	1977	<u>1978</u>	1979	1980	<u>1981</u>	1982	1983	1984	1985	1986	1987	1988	1989	1990	<u>1991</u>
Approximate wtd. N	/= <u> </u>	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000
Total	_	33.0	35.1	35.4	36.4	36.6	38.0	37.6	38.1	36.2	32.0	33.1	33.8	31.0	31.3	27.0	28.5
Gender:																	
Male	_	45.6	49.0	49.8	50.6	51.1	49.4	48.5	49.8	47.7	42.6	45.4	45.4	41.5	39.5	37.1	37.0
Female	_	21.4	23.5	22.6	24.2	23.9	26.5	27.3	27.4	25.0	22.4	22.4	23.1	22.2	23.8	16.5	20.1
College Plans:																	
None or under 4 years	_	37.7	39.2	41.6	39.5	43.5	42.8	42.1	43.1	41.2	35.5	36.1	37.8	36.9	37.7	29.0	35.1
Complete 4 years	_	27.8	31.0	29.4	33.3	30.9	34.2	34.2	34.3	33.6	29.8	30.8	31.7	28.4	28.5	26.0	26.0
Region:																	
Northeast	_	39.0	35.3	36.5	41.9	41.4	42.1	40.0	37.9	39.8	35.5	32.6	32.1	32.7	32.1	27.4	27.8
Midwest	_	35.8	37.6	39.9	39.0	42.3	43.6	45.3	45.1	43.7	34.2	40.8	41.3	38.5	38.2	31.4	34.7
South	_	26.6	33.9	31.8	34.0	30.5	33.9	31.7	35.1	31.5	26.6	29.4	30.7	25.7	27.5	23.8	24.2
West	_	31.0	31.6	32.0	28.3	31.1	28.5	28.1	31.3	29.4	33.8	27.5	29.8	28.5	27.4	25.1	27.3
Population Density:																	
Large MSA	_	32.8	34.4	34.4	35.0	40.9	38.9	36.2	37.4	34.5	31.2	33.9	32.3	29.6	27.3	32.0	24.7
Other MSA	_	33.9	35.4	35.7	36.3	33.9	37.7	36.6	36.6	33.2	30.2	31.5	34.5	30.9	32.3	26.9	28.8
Non-MSA	_	32.1	35.2	35.7	37.6	37.0	37.6	39.8	40.6	41.4	35.1	35.0	33.9	32.6	32.9	22.6	31.0
Parental Education: <sup>a</sup>																	
1.0-2.0 (Low)	_	30.7	31.9	33.6	32.8	31.1	32.3	35.0	38.4	26.8	27.4	28.5	32.9	31.3	26.9	28.1	34.9
2.5-3.0	_	37.5	36.4	37.8	38.0	38.8	42.9	37.5	37.4	39.2	33.6	34.2	34.3	31.0	32.2	26.7	29.2
3.5-4.0	_	32.9	34.8	34.4	36.5	37.6	39.2	41.6	39.1	37.1	32.1	32.9	34.9	29.4	32.8	24.9	29.4
4.5-5.0	_	33.9	34.1	36.2	38.2	36.0	31.7	35.3	39.1	39.9	35.9	34.4	34.7	32.8	31.2	27.7	26.2
5.5-6.0 (High)	_	27.2	38.0	28.7	35.5	37.6	38.5	38.9	36.5	30.2	27.4	33.8	29.7	31.4	26.5	32.3	25.7
Race/Ethnicity (2-year average)	.b																
White	_	_	35.5	36.8	37.6	38.5	40.1	40.9	40.8	40.0	37.1	35.3	35.8	35.2	34.4	32.5	30.6
African American	_	_	18.8	19.5	19.4	17.7	16.4	16.9	18.1	18.9	15.5	13.2	13.6	16.1	18.5	13.5	10.2
Hispanic	_	_	34.4	33.5	31.5	32.7	30.8	27.6	27.9	27.4	24.6	29.4	32.8	27.5	22.0	20.6	23.8

(Table continued on next page.)



TABLE D-87 (cont.)
Beer: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 12</u>

						Percen	tage rep	orting 5+	drinks in	a row o	n one or	more occ	casions						2008-
																			2009
Approximate utd N	1992	1993 16.300	<u>1994</u> 15.400	<u>1995</u> 15.400	1996 14,300	<u>1997</u> 15.400	1998 15 200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003	2004 14.600	2005 14.700	<u>2006</u>	2007 14.500	2008	2009 13,700	<u>change</u>
Approximate wtd. N =		-,	-,	-,	,	-,	15,200	-,	,	,	,	14,600	,	,	14,200	,	14,000	,	0.4
Total	25.4	25.5	24.6	27.6	29.2	26.7	28.5	25.6	27.5	26.7	26.1	21.4	23.7	22.4	21.4	22.0	20.9	20.8	-0.1
Gender:																			
Male	34.0	34.2	35.7	36.5	38.7	32.9	39.3	34.7	38.2	35.9	33.7	31.1	32.1	30.9	26.9	27.7	27.7	28.0	+0.3
Female	17.6	18.1	15.5	19.5	19.2	21.2	19.5	17.0	17.6	18.0	18.2	12.9	15.6	15.3	16.2	16.1	15.1	14.3	-0.8
College Plans:																			
None or under 4 years	32.8	30.2	29.6	32.7	29.4	29.0	39.7	29.5	31.0	40.5	37.0	24.9	32.0	28.9	31.5	24.2	30.9	26.7	-4.2
Complete 4 years	23.3	23.8	23.4	25.4	28.8	26.2	25.1	24.7	26.0	23.3	22.9	20.3	21.5	21.1	19.0	21.2	18.7	19.5	+0.8
Region:																			
Northeast	25.7	28.5	23.4	30.5	35.4	32.0	34.2	33.0	32.7	26.5	28.6	27.1	26.1	25.8	25.9	29.5	23.7	26.0	+2.3
Midwest	32.5	27.6	28.3	30.2	29.9	25.7	31.4	28.9	32.4	33.9	28.9	24.8	26.2	26.2	22.1	24.3	21.0	23.6	+2.6
South	22.9	25.2	24.8	27.2	27.5	24.1	25.5	21.3	20.0	19.7	22.4	16.8	21.8	20.2	20.6	18.8	21.1	16.7	-4.4
West	18.4	20.8	19.7	21.8	24.6	27.6	25.6	22.8	29.4	27.9	26.3	19.2	20.9	18.0	18.1	18.6	18.7	18.8	+0.1
Population Density:																			
Large MSA	26.0	23.8	23.6	26.9	32.4	26.2	24.4	21.3	29.8	23.4	25.7	18.9	20.9	21.4	21.2	25.1	22.7	21.0	-1.7
Other MSA	24.2	24.8	22.6	26.7	29.3	27.9	30.3	26.8	26.1	26.7	25.2	22.9	22.9	23.7	21.2	19.0	18.8	19.4	+0.7
Non-MSA	27.2	28.1	28.7	30.0	26.6	25.0	29.5	28.1	27.4	30.2	28.1	21.7	28.2	21.0	22.1	23.3	23.4	23.6	+0.2
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	23.4	27.3	23.7	28.9	23.8	18.7	23.5	22.1	16.8	28.2	32.0	20.1	18.5	17.0	19.3	21.5	14.0	21.8	+7.8
2.5–3.0	26.6	26.1	25.3	27.6	25.0	26.0	26.5	27.7	24.3	31.9	24.5	22.9	27.0	21.3	23.2	23.1	20.4	17.6	-2.8
3.5-4.0	25.2	26.6	24.2	25.6	29.3	28.3	31.9	26.5	29.1	21.4	27.4	20.5	26.3	23.0	23.9	21.1	19.8	21.2	+1.4
4.5–5.0	23.9	24.1	24.1	27.6	28.1	29.1	29.3	24.2	28.7	28.7	24.4	23.3	20.9	25.5	19.6	24.2	21.1	23.6	+2.5
5.5-6.0 (High)	26.9	26.1	26.0	32.2	41.0	28.3	27.6	24.3	35.1	28.0	27.3	19.0	20.2	21.8	19.3	21.0	27.6	19.6	-8.1
Race/Ethnicity (2-year average):b																			
White	29.6	27.6	27.3	29.0	31.3	31.4	31.3	30.0	28.8	31.0	30.2	26.4	25.3	26.1	25.8	25.8	25.3	23.6	-1.7
African American	13.1	15.5	15.4	12.6	14.6	13.3	11.7	10.6	9.9	9.1	7.6	6.1	9.3	11.2	7.1	5.0	5.7	8.2	+2.5
Hispanic	27.2	24.8	24.9	23.8	26.1	26.0	24.4	27.5	29.0	27.1	24.7	21.6	20.0	19.7	19.8	19.8	17.5	19.4	+2.0
Course The Manitonian the Future of																			

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table D-S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table D-S3.

### Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-88
Liquor: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who used in last 30 days 1975 1976 1979 1986 1988 1989 1990 1991 1977 1978 1980 1981 1982 1983 <u>1984</u> 1985 1987 Approximate wtd. N = 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 16,700 15,200 15,000 15,400 17,100 17,800 Total 44.1 45.0 48.2 47.3 47.9 44.6 45.2 46.4 42.3 40.0 41.0 39.0 35.6 35.7 30.8 31.3 Gender: Male 44.4 44.7 48.9 48.5 48.8 45.3 45.2 48.8 43.3 40.3 43.7 42.8 38.5 39.6 36.9 34.9 Female 43.8 45.3 47.6 46.6 47.4 44.3 45.1 43.7 40.8 39.5 38.6 35.4 33.6 32.1 24.6 28.0 College Plans: None or under 4 years 44.6 47.8 49.3 46.1 51.4 46.9 47.5 47.4 44.6 41.0 38.9 39.4 36.8 38.1 30.6 37.0 Complete 4 years 43.8 42.5 47.7 48.5 45.1 43.0 43.6 45.3 40.6 39.6 41.8 39.0 35.0 35.0 30.4 29.0 Region: Northeast 52.5 47.4 47.8 56.7 53.2 49.5 50.8 50.8 46.4 42.1 37.2 43.3 36.1 40.3 34.5 36.6 Midwest 47.0 49.7 53.7 45.4 46.5 47.2 49.1 50.5 40.1 49.8 42.2 42.2 40.5 31.0 33.5 45.6 South 37.6 46.0 43.6 48.5 38.8 38.7 43.3 37.1 35.9 33.0 29.6 28.1 39.8 38.5 34.6 30.4 West 38.3 41.3 42.0 45.0 42.9 43.2 40.0 38.4 39.6 42.1 39.6 37.4 35.0 30.0 28.5 29.0 Population Density: Large MSA 47.3 45.4 49.3 52.0 51.7 44.4 48.5 48.1 40.8 37.7 41.2 39 9 36.0 36.4 33.8 30.4 Other MSA 44.7 46.0 48.3 47.1 48.4 45.9 45.6 45.5 40.9 39.3 39.9 40.5 36.3 33.5 31.1 33.1 Non-MSA 41.4 43.3 47.2 44.1 44.8 43.2 42.1 46.1 45.1 42.6 42.4 35.5 34.0 40.3 27.7 29.1 Parental Education:<sup>a</sup> 1.0-2.0 (Low) 40.8 38.2 37.3 38.2 44.2 43.1 40.3 41.6 33.1 36.2 36.1 32.2 33.5 32.1 25.7 29.7 2.5-3.0 46.7 45.9 49.8 46.6 47.8 43.5 44.8 44.7 46.3 37.9 38.1 36.0 34.6 32.1 29.5 32.6 3.5-4.0 44.7 47.3 51.9 51.7 47.5 46.6 48.0 46.5 42.0 39.2 42.3 38.2 33.1 38.3 31.6 33.6 4.5-5.0 47.9 45.6 49.1 51.7 48.7 40.7 43.6 50.0 44.9 48.0 43.9 43.4 38.7 36.9 34.2 27.4 46.6 5.5-6.0 (High) 53.4 54.2 49.3 53.4 53.8 54.2 55.2 40.4 40.9 47.4 45.7 39.4 37.7 33.8 33.5 Race/Ethnicity (2-year average):b White 47.5 49.5 50.3 50.1 48.9 48.2 49.0 47.3 44.1 43.5 43.4 41.1 39.8 37.7 35.0 African American 21.2 19.9 23.3 27.5 25.1 21.5 25.3 23.7 18.5 17.4 15.0 16.0 16.8 14.4 14.1 Hispanic 47.7 48.8 43.3 47.2 45.6 41.2 35.6 35.4 42.1 40.4 36.9 31.6 24.6 21.0 23.2

(Table continued on next page.)

TABLE D-88 (cont.)
Liquor: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

							F	Percentaç	ge who u	sed in las	st 30 day	S							2008-
	4000	4000	1001	4005	1000	4007	4000	4000	0000	0004	0000	0000	0004	0005	0000	0007	0000	0000	2009
Approximate wtd. N =	<u>1992</u> 15.800	1993 16.300	<u>1994</u> 15.400	<u>1995</u> 15.400	1996 14,300	<u>1997</u> 15.400	1998 15,200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003 14,600	2004 14.600	2005 14.700	2006 14,200	2007 14.500	2008 14,000	2009 13,700	<u>change</u>
Total	28.6	31.4	28.0	34.3	34.7	34.6	37.3	34.3	36.0	35.1	36.0	34.3	35.6	36.4	34.2	34.1	32.4	33.2	+0.8
Gender:	20.0	31.4	20.0	34.3	34.7	34.0	31.3	34.3	30.0	33.1	30.0	34.3	33.0	30.4	34.2	34.1	32.4	33.2	+0.0
Male	32.0	36.4	32.8	38.2	36.4	36.3	41.2	38.0	41.7	35.6	37.9	36.1	39.3	38.4	33.7	36.2	33.8	35.2	+1.3
Female	25.9	27.3	23.2	30.9	32.6	33.4	33.3	30.0	30.7	33.7	33.8	32.9	32.2	34.9	33.9	31.4	30.7	30.9	+0.2
College Plans:	25.9	21.3	23.2	30.9	32.0	33.4	33.3	30.0	30.7	33.7	33.0	32.9	32.2	34.9	33.9	31.4	30.7	30.9	+0.2
None or under 4 years	31.9	37.3	28.3	36.8	35.8	34.2	38.3	35.0	38.1	40.4	42.5	36.9	40.3	42.6	39.7	37.5	38.0	40.6	+2.6
Complete 4 years	27.4	37.3 29.9	28.1	33.4	35.6 34.1	34.2	36.6	33.9	35.0	33.6	34.2	33.6	34.3	35.5	33.0	33.5	31.4		+0.3
' '	21.4	29.9	20.1	33.4	34.1	34.9	30.0	33.9	35.0	33.0	34.2	33.0	34.3	33.5	33.0	33.5	31.4	31.7	+0.3
Region:	05.0	20.4	05.0	07.7	40.0	20.0	40.0	20.0	40.0	40.0	44.4	25.0	44.4	44.0	40.0	44.0	07.4	07.7	.0.0
Northeast	25.8	32.4	25.9	37.7	40.9	36.6	46.3	39.8	40.9	40.8	41.4	35.8	41.1	41.9	40.0	41.2	37.1	37.7	+0.6
Midwest	33.5	32.1	29.0	35.4	36.2	35.2	36.6	33.7	40.5	37.4	39.6	37.4	35.4	39.3	35.2	38.1	33.4	34.7	+1.2
South	27.1	34.7	28.1	34.9	33.6	32.9	33.9	32.1	28.3	31.7	32.9	30.7	33.3	33.7	32.5	30.6	32.2	32.1	-0.1
West	26.3	24.0	28.2	28.7	27.8	35.1	37.2	34.5	38.5	33.3	31.8	35.4	33.8	32.3	30.9	29.8	28.7	29.3	+0.7
Population Density:																			
Large MSA	29.8	32.2	30.3	33.3	30.6	36.0	37.2	34.5	41.1	36.0	37.5	32.4	30.1	36.2	34.4	37.4	37.1	38.7	+1.6
Other MSA	27.4	30.4	26.5	34.9	38.0	34.6	38.9	34.9	33.8	35.4	37.0	35.6	37.7	37.8	36.3	31.7	29.2	30.9	+1.7
Non-MSA	30.0	32.7	28.1	34.3	32.4	33.4	33.9	33.3	34.0	33.9	32.3	34.3	37.4	34.2	30.2	34.1	34.1	31.7	-2.3
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	25.4	29.1	23.6	26.8	24.7	27.7	33.5	35.3	30.8	28.2	29.4	27.6	29.5	30.9	30.2	27.1	33.3	32.5	-0.8
2.5–3.0	29.9	29.4	28.2	34.8	37.5	31.8	33.5	33.7	28.7	36.3	33.5	35.2	34.0	33.0	36.7	33.7	30.8	28.1	-2.7
3.5-4.0	29.0	34.1	25.8	32.4	34.7	36.4	40.6	32.7	40.0	35.4	37.3	35.7	38.2	33.8	34.7	33.2	33.1	33.9	+0.8
4.5–5.0	25.9	32.2	29.3	35.7	30.1	35.8	38.2	33.4	35.2	38.3	38.2	36.5	36.4	43.3	33.8	37.3	30.3	36.8	+6.5
5.5-6.0 (High)	33.1	29.9	32.0	41.1	42.1	40.4	38.3	40.8	47.8	34.5	38.8	33.0	36.6	38.4	35.9	39.4	37.5	35.9	-1.5
Race/Ethnicity (2-year average):b																			
White	32.9	32.5	32.6	34.1	37.2	38.5	39.5	37.6	37.2	38.8	38.9	37.8	37.8	39.8	39.5	37.5	35.2	33.8	-1.5
African American	15.1	17.5	17.1	17.9	24.9	20.4	17.6	21.5	22.2	22.1	22.0	23.0	23.7	25.3	23.0	21.6	23.7	29.4	+5.7
Hispanic	29.2	28.9	26.3	27.4	29.4	28.1	31.7	36.6	36.3	36.0	36.3	33.3	29.6	30.2	28.4	27.5	29.3	30.5	+1.2
Course The Manitorine the Future of	1 0 11		A Miletine																

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table D-S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table D-S3.

### Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-89
Liquor: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 12</u>

					Pe	rcentage	reporting	g 5+ drin	ks in a ro	w on on	e or more	e occasio	ons					
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	Coi
Approximate wtd. N =	<u></u>	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	
Total	_	19.8	19.9	22.0	22.8	23.0	21.3	23.8	22.0	21.3	19.6	21.4	20.5	18.2	20.0	16.8	17.4	
Gender:																		
Male	_	23.3	21.1	24.4	26.3	26.1	23.0	25.8	26.4	24.6	20.9	24.7	25.0	20.3	24.5	20.7	20.5	
Female	_	16.1	18.5	19.6	19.8	20.2	19.7	21.9	17.8	18.2	18.2	18.6	16.2	16.6	15.7	12.8	14.4	
College Plans:																		
None or under 4 years	_	23.8	23.4	26.7	24.2	26.5	26.4	26.9	25.7	24.7	22.0	24.0	24.5	20.7	23.7	17.3	21.7	
Complete 4 years	_	15.8	16.8	17.9	21.5	19.7	18.0	21.8	19.2	19.2	18.4	19.9	18.6	17.2	18.6	16.4	15.8	
Region:																		
Northeast	_	24.9	20.2	21.8	28.8	27.2	25.0	26.1	24.7	24.9	23.8	20.1	22.3	17.4	23.7	18.0	21.3	
Midwest	_	22.1	23.3	24.0	23.0	23.7	22.9	27.5	24.0	24.1	19.3	25.9	21.9	23.1	21.4	17.7	19.0	
South	_	16.0	16.4	22.5	20.6	22.1	18.0	19.6	20.7	20.2	17.0	19.1	18.7	15.2	18.6	15.4	15.3	
West	_	14.8	19.2	16.2	18.5	18.2	19.2	20.1	17.0	15.3	19.8	19.6	19.6	17.2	17.5	16.5	15.2	
Population Density:																		
Large MSA	_	20.3	18.3	20.5	22.6	22.8	22.6	26.1	24.3	21.1	18.7	21.7	20.3	16.8	18.4	17.9	16.4	
Other MSA	_	19.9	21.8	21.4	23.4	23.9	20.7	22.2	21.8	20.1	19.6	19.7	20.8	19.8	19.1	16.4	17.5	
Non-MSA	_	19.4	18.8	23.8	22.3	22.1	21.2	24.1	20.5	23.0	20.2	23.9	20.2	16.6	23.7	16.8	18.1	
Parental Education: <sup>a</sup>																		
1.0-2.0 (Low)	_	22.0	18.1	20.9	19.1	22.0	24.3	21.0	21.5	21.0	19.6	19.0	20.6	19.9	17.6	18.0	19.9	
2.5–3.0	_	22.8	20.4	23.7	23.6	23.9	21.3	24.7	23.6	25.5	20.4	24.2	21.2	21.6	18.1	16.4	18.1	
3.5-4.0	_	17.4	21.5	22.0	22.9	20.5	24.9	25.2	19.9	19.7	18.1	20.1	18.1	15.7	23.2	15.0	18.6	
4.5–5.0	_	18.0	16.7	18.6	24.7	24.8	14.7	21.3	22.6	20.0	20.2	20.4	21.8	16.7	20.9	18.5	16.4	
5.5-6.0 (High)	_	14.0	24.9	22.5	23.2	23.6	19.5	28.1	20.4	17.5	20.6	22.0	22.2	16.4	16.3	19.4	13.3	
Race/Ethnicity (2-year average): <sup>b</sup>																		
White	_	_	20.5	22.1	23.6	24.1	23.3	24.2	24.5	23.0	22.0	22.0	22.6	21.3	21.0	20.7	19.0	
African American	_	_	10.5	7.7	8.4	11.1	10.6	8.6	10.9	11.2	8.0	7.5	6.2	7.2	10.4	9.6	6.8	
Hispanic	_	_	25.5	26.8	25.9	22.9	25.3	26.7	24.5	21.4	20.9	20.8	21.9	19.0	14.6	11.9	13.4	

(Table continued on next page.)

TABLE D-89 (cont.)
Liquor: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 12</u>

<u>-</u>						Percen	tage rep	orting 5+	drinks in	a row o	n one or	more occ	casions						2008-
	4000	4000	4004	4005	4000	4007	4000	4000	0000	0004	0000	2002	0004	2005	2000	2007	0000	2000	2009
Approximate wtd. N =	<u>1992</u> 15.800	1993 16.300	<u>1994</u> 15,400	<u>1995</u> 15.400	1996 14.300	<u>1997</u> 15.400	1998 15.200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003 14.600	2004 14.600	2005 14,700	2006 14.200	2007 14.500	2008 14.000	2009 13.700	<u>change</u>
Total	16.0	18.2	17.1	20.2	21.6	21.1	23.6	22.3	23.8	22.7	25.6	21.1	23.8	25.0	23.3	22.9	22.1	21.5	-0.6
Gender:	10.0	10.2	17.1	20.2	21.0	21.1	20.0	22.0	20.0	22.1	25.0	21.1	20.0	25.0	20.0	22.5	22.1	21.5	0.0
Male	20.0	24.6	22.4	24.7	24.6	23.9	27.3	27.6	30.8	26.4	27.2	24.1	29.2	28.5	24.7	24.4	24.0	23.3	-0.7
Female	12.6	13.2	12.6	16.2	17.7	18.7	20.0	16.1	17.4	18.8	23.6	18.9	18.2	22.0	22.0	21.5	20.3	19.3	-1.0
College Plans:	12.0	10.2	12.0	10.2		10.7	20.0	10.1		10.0	20.0	10.0	10.2	22.0	22.0	21.0	20.0	10.0	1.0
None or under 4 years	21.4	24.6	19.1	22.5	21.1	23.4	31.2	23.2	26.4	29.2	31.9	23.0	29.2	32.6	27.1	26.5	29.3	28.5	-0.8
Complete 4 years	14.1	16.5	16.6	19.2	21.4	20.6	21.7	21.9	22.9	20.7	23.7	20.5	22.1	23.7	22.6	22.1	20.5	19.9	-0.6
Region:																			
Northeast	14.8	15.1	14.2	19.2	25.4	24.6	29.8	25.5	24.7	27.9	27.8	23.5	28.2	28.7	29.0	31.2	23.2	27.6	+4.4
Midwest	19.0	18.9	17.7	21.5	22.0	20.6	23.6	19.9	29.7	21.5	28.1	24.8	23.4	28.3	26.2	26.7	23.4	23.7	+0.3
South	15.5	21.7	17.6	21.8	21.9	20.0	21.7	21.7	17.4	20.4	24.3	17.4	21.6	22.8	20.5	19.0	21.2	18.7	-2.5
West	13.7	13.6	18.0	16.4	16.3	20.5	22.3	23.6	26.1	24.3	22.7	20.7	23.4	21.2	19.8	19.0	21.3	17.3	-4.0
Population Density:																			
Large MSA	15.6	16.8	16.1	19.3	19.5	23.0	23.9	21.4	26.6	23.6	25.8	20.0	20.7	25.3	22.6	26.0	24.0	21.9	-2.1
Other MSA	15.2	17.3	16.3	20.3	24.9	21.3	25.1	22.8	21.7	22.2	26.3	21.9	24.6	26.2	25.0	21.4	20.3	21.8	+1.5
Non-MSA	17.9	20.7	19.5	21.1	17.7	18.7	20.3	22.2	24.1	22.6	24.0	21.2	25.5	22.5	21.0	21.6	23.8	20.1	-3.6
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	15.9	20.7	14.4	15.2	14.7	16.7	23.9	25.5	24.4	15.2	18.4	17.9	17.8	18.5	19.1	18.8	16.9	23.8	+7.0
2.5–3.0	17.9	18.3	18.5	19.7	22.1	18.3	21.3	20.7	17.8	25.4	24.2	24.2	25.9	22.1	22.7	22.0	20.1	17.8	-2.2
3.5-4.0	15.9	19.7	16.2	20.7	20.4	23.3	25.4	23.6	25.8	21.8	24.4	21.1	26.2	23.5	26.1	24.3	22.8	22.1	-0.7
4.5–5.0	13.5	17.4	17.7	21.6	18.0	22.2	24.3	20.6	24.5	24.9	29.0	21.0	22.2	29.8	24.5	24.1	22.0	24.5	+2.5
5.5-6.0 (High)	16.5	16.0	18.8	22.0	31.3	23.5	23.0	22.8	30.4	22.4	31.0	21.0	20.3	28.7	20.3	24.1	25.5	20.0	-5.6
Race/Ethnicity (2-year average): <sup>b</sup>																			
White	18.0	18.7	19.4	20.4	22.3	23.4	24.7	24.4	24.3	25.3	26.3	25.4	24.6	26.9	27.5	25.8	23.9	22.3	-1.5
African American	7.1	8.9	9.5	11.3	15.4	12.5	9.9	10.4	10.2	12.8	14.6	14.9	15.8	17.2	14.9	13.7	17.1	21.7	+4.6
Hispanic	19.4	18.1	16.8	18.1	18.9	20.0	22.2	24.3	25.2	24.0	24.0	21.1	18.9	20.6	18.4	17.6	19.1	20.5	+1.4

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table D-S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table D-S3.

### Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-90
Wine: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Percentage who used in last 30 days 1988<sup>a</sup> 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1989 1990 1991 Approximate wtd. N = 15,400 17,800 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 16,700 15,200 15,000 17,100 22.7 Total 34.5 37.4 37.7 36.6 39.5 36.6 37.8 36.0 34.1 36.0 34.5 33.5 19.7 14.7 16.1 Gender: Male 34.1 35.5 34.8 33.9 38.1 35.3 35.6 33.8 30.3 34.2 30.8 29.3 20.7 18.9 16.1 16.9 38.2 37.1 Female 34.5 39.1 40.2 39.0 41.1 39.9 37.7 38.1 37.4 38.1 24.3 20.4 13.5 15.5 College Plans: 33.8 None or under 4 years 31.5 33.1 33.8 37.1 32.8 36.3 34.5 33.7 34.6 31.5 28.2 19.7 18.6 11.9 16.1 Complete 4 years 38.0 41.4 41.5 38.5 41.0 39.1 39.5 37.2 34.0 37.3 36.2 35.7 24.0 20.5 16.0 16.4 Region: Northeast 45.2 42.6 47.5 45.3 48.0 51.6 51.4 46.0 41.5 43.9 32.0 35.6 27.7 22.1 15.0 22.1 Midwest 33.8 36.3 40.8 33.8 36.6 38.5 38.9 36.0 34.3 34.1 41.0 34.0 23.0 23.7 13.4 17.3 South 27.5 26.3 27.7 29.5 28.1 18.9 17.4 34.2 30.2 30.8 34.8 30.9 30.7 31.7 14.5 11.8 31.6 32.5 West 38.1 32.7 40.8 32.4 38.4 38.1 33.8 16.0 34.0 42.4 34.7 24.5 16.9 16.2 Population Density: 46.6 45.6 46.3 Large MSA 47.0 44.2 46.9 46.0 45.0 36.7 40.7 36.6 35.3 27.6 20.6 15.3 13.9 Other MSA 33.0 36.5 36.8 36.0 42.1 34.6 36.6 32.4 34.0 36.4 36.0 34.9 22.0 20.5 16.8 17.8 Non-MSA 28.0 31.4 32.8 31.9 31.0 32.4 32.8 33.8 32.3 31.7 30.7 29.2 19.3 16.7 9.9 15.1 Parental Education:b 1.0-2.0 (Low) 32.3 28.0 28.0 30.2 26.6 28.6 19.0 10.8 33.4 30.1 31.4 28.3 28.0 23.9 16.4 9.5 2.5-3.0 33.8 32.8 35.3 33.0 38.0 33.2 33.8 35.3 34.0 32.4 31.3 30.7 17.8 15.6 12.4 16.0 18.8 3.5-4.0 36.9 42.0 40.2 38.2 39.6 37.2 42.0 32.9 35.9 36.9 37.1 31.5 23.4 14.2 16.4 4.5-5.0 39.6 42.5 40.8 43.6 45.2 41.5 43.4 46.1 37.1 43.1 36.3 39.7 26.5 24.1 18.9 17.5 5.5-6.0 (High) 48.4 57.3 49.8 46.7 51.7 52.9 47.5 43.2 33.9 42.6 40.1 40.9 31.4 23.5 19.3 19.4 Race/Ethnicity (2-year average):<sup>c</sup> White 35.9 38.1 38.1 39.2 40.2 39.6 38.4 36.5 36.7 37.1 35.7 29.9 23.0 18.6 16.6 African American 36.2 30.8 27.4 27.9 24.9 26.0 28.9 24.4 21.3 21.0 21.8 18.4 15.0 11.2 10.2 38.5 42.9 27.3 37.0 14.2 Hispanic 30.0 31.0 26.8 28.3 30.9 37.4 33.0 22.2 15.0 10.9

(Table continued on next page.)

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TABLE D-90 (cont.)
Wine: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

<u>-</u>							F	ercentaç	ge who u	sed in las	st 30 day	S							2008-
	4000	4000	4004	4005	4000	4007	4000	4000	2000	0004	0000	2002	0004	2005	2000	2007	0000	2000	2009
Approximate wtd. N =	<u>1992</u> 15.800	1993 16.300	<u>1994</u> 15.400	<u>1995</u> 15.400	1996 14.300	<u>1997</u> 15.400	1998 15.200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003 14.600	2004 14.600	2005 14,700	2006 14.200	2007 14.500	2008 14.000	2009 13.700	<u>change</u>
Total	16.9	14.9	14.2	14.3	18.3	17.0	16.0	15.8	16.2	14.1	13.4	13.4	13.9	14.4	12.6	14.1	14.0	11.5	-2.5 s
Gender:	10.5	14.5	14.2	14.5	10.0	17.0	10.0	10.0	10.2	17.1	10.4	10.4	10.0	17.7	12.0	14.1	14.0	11.5	2.0 3
Male	17.2	15.9	13.8	13.2	18.1	16.7	17.4	17.6	17.7	12.8	13.2	13.9	13.8	13.8	11.6	12.1	13.4	12.0	-1.4
Female	16.6	13.9	14.3	15.3	18.2	17.3	15.0	14.4	15.0	15.5	13.2	13.5	14.1	15.1	13.6	15.3	14.4	10.9	-3.5 s
College Plans:	10.0	10.0	14.0	10.0	10.2	17.0	10.0		10.0	10.0	10.2	10.0	1-1.1	10.1	10.0	10.0	1-11	10.0	0.0 0
None or under 4 years	12.6	16.5	11.7	10.6	14.5	14.2	19.0	11.9	12.0	15.9	11.7	13.8	12.7	14.4	13.9	13.1	17.3	10.3	-7.0 s
Complete 4 years	18.4	14.4	14.8	15.3	19.3	18.0	15.3	16.8	17.1	13.3	13.7	13.5	14.5	14.3	11.9	14.4	13.4	11.6	-1.8
Region:																			
Northeast	18.5	15.2	15.9	14.2	23.4	19.4	18.7	23.5	20.8	19.2	17.3	12.5	18.2	15.2	13.9	17.6	17.0	17.6	+0.6
Midwest	21.9	14.0	14.3	14.3	13.1	14.2	17.7	16.2	11.9	13.5	14.9	13.5	13.0	15.3	13.9	14.1	13.9	14.6	+0.7
South	11.0	16.7	13.0	15.9	20.0	17.7	13.8	14.6	17.2	13.9	12.7	14.0	12.6	13.4	12.1	13.9	13.3	7.6	-5.7 s
West	18.3	13.0	15.0	11.6	16.8	17.1	15.9	11.2	15.9	11.3	9.8	13.5	12.8	14.1	10.7	11.5	13.3	8.2	-5.1
Population Density:																			
Large MSA	17.0	20.0	16.8	14.8	19.5	18.2	19.5	17.4	20.4	16.7	17.2	11.1	12.5	16.9	15.0	16.7	18.8	12.6	-6.3 s
Other MSA	19.0	15.0	14.4	15.1	18.6	18.2	15.9	16.5	14.6	11.5	11.8	15.0	15.4	14.0	12.8	13.5	13.0	12.3	-0.8
Non-MSA	12.6	11.3	11.3	12.4	16.6	13.6	12.3	13.3	14.2	15.6	11.9	13.5	12.8	12.2	8.9	11.3	11.0	8.3	-2.8
Parental Education:b																			
1.0-2.0 (Low)	11.7	14.3	9.8	13.5	9.7	13.1	14.6	16.7	19.7	12.3	14.8	9.4	12.8	10.9	4.0	9.9	11.3	9.1	-2.2
2.5–3.0	13.9	12.1	13.6	10.2	15.2	13.8	10.2	10.5	10.4	13.6	8.6	13.1	10.9	13.4	10.6	9.0	11.9	8.8	-3.1
3.5-4.0	15.4	14.3	11.7	10.5	17.9	15.7	15.1	11.5	14.6	10.2	13.1	13.1	15.6	12.2	11.4	15.3	13.3	10.2	-3.1
4.5–5.0	19.2	17.7	14.6	18.1	18.0	18.0	20.8	19.6	16.2	19.1	15.4	15.5	14.1	16.8	15.5	16.4	13.7	13.6	-0.1
5.5-6.0 (High)	27.1	16.5	23.8	24.9	27.2	29.1	20.0	29.8	29.1	16.7	19.0	15.8	18.3	18.2	18.4	19.9	17.2	17.9	+0.7
Race/Ethnicity (2-year average): <sup>c</sup>																			
White	17.4	16.2	14.4	14.4	16.8	19.3	18.1	16.6	16.4	15.9	15.2	14.5	14.7	15.5	15.6	15.4	14.3	12.8	-1.6
African American	11.7	14.5	17.6	13.6	12.8	11.1	9.9	9.3	9.5	10.9	8.5	8.0	7.9	7.8	6.1	6.5	11.2	11.6	+0.4
Hispanic	14.9	14.3	14.2	15.0	13.8	13.5	13.4	16.4	17.9	12.9	9.4	12.2	13.5	13.1	10.5	11.0	15.7	14.2	-1.6

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table D-S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-91
Wine: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 12</u>

Cont.

Percentage reporting 5+ drinks in a row on one or more occasions 1988<sup>a</sup> 1982 1987 1989 1990 1991 1975 1976 1977 1978 1979 1980 1981 1983 <u>1984</u> 1985 1986 Approximate wtd. N = 15,400 17,800 15,500 15,900 17,500 17,700 16,300 15,900 16,000 15,200 16,300 16,300 16,700 15,200 15,000 Total 12.5 13.1 13.5 12.9 13.2 13.0 14.9 14.3 13.0 12.8 13.8 12.7 7.8 6.8 4.9 5.8 Gender: Male 7.1 14.5 13.9 14.3 13.9 13.3 12.2 12.6 14.4 12.6 12.9 12.4 12.3 7.8 6.1 5.5 Female 10.4 12.1 12.8 12.0 12.8 13.5 16.8 13.9 13.1 12.5 14.6 12.8 7.7 7.3 4.3 4.6 College Plans: 9.0 8.0 None or under 4 years 14.1 14.6 14.6 14.8 15.3 13.2 16.1 15.7 14.4 13.9 14.6 13.7 9.5 5.1 Complete 4 years 10.4 11.6 12.7 11.4 11.3 12.6 13.9 13.2 11.9 11.9 13.3 12.0 7.1 6.0 4.9 5.3 Region: Northeast 14.8 14.8 15.0 16.4 18.2 17.9 18.3 19.1 16.9 15.7 11.5 10.7 8.1 7.4 3.6 7.1 Midwest 13.8 12.9 15.4 12.6 12.2 13.9 16.0 13.6 14.1 12.3 17.2 13.5 7.8 6.9 3.9 5.6 South 10.1 11.8 11.7 11.8 11.6 10.0 12.4 12.5 11.0 10.9 12.9 13.1 6.8 6.7 5.4 5.1 West 10.8 13.4 10.9 10.4 11.6 9.8 12.0 13.1 10.9 13.3 12.2 13.2 9.5 6.3 7.0 6.0 Population Density: Large MSA 17.0 14.9 14.3 16.8 17.9 17.1 13.5 11.0 9.7 6.1 4.4 5.3 14.7 14.9 14.1 14.0 Other MSA 11.4 13.0 12.5 11.8 13.2 11.6 13.3 12.6 12.4 13.7 13.8 13.6 7.8 8.0 4.9 6.5 Non-MSA 10.7 11.8 14.0 13.1 12.0 11.8 14.7 14.4 13.0 10.6 13.9 12.9 6.0 4.8 5.2 4.9 Parental Education:b 1.0-2.0 (Low) 14.0 16.4 14.9 12.7 10.2 13.7 15.7 12.1 12.8 11.9 14.7 12.2 8.2 8.3 4.6 5.7 2.5-3.0 12.4 12.1 13.6 7.2 6.2 13.4 12.0 13.7 15.4 13.1 16.8 14.6 12.1 13.0 5.4 6.8 3.5-4.0 10.3 13.4 7.5 6.3 6.5 11.7 14.0 12.2 13.0 16.7 12.4 15.0 13.1 14.9 12.1 5.4 4.5-5.0 12.4 9.4 12.9 16.5 12.7 11.2 14.9 14.4 10.2 13.4 12.2 13.3 7.7 8.0 4.3 4.9 5.5-6.0 (High) 14.4 15.4 15.0 16.5 12.0 14.2 21.2 12.5 7.7 14.5 12.9 12.3 9.5 5.0 4.4 3.5 Race/Ethnicity (2-year average): White 12.0 13.1 13.4 13.1 13.4 14.4 14.8 13.8 13.3 13.6 13.4 10.4 7.5 6.0 5.3 African American 16.7 12.6 10.8 10.4 9.0 10.0 11.4 10.1 8.3 8.3 7.6 8.3 7.8 4.7 5.1 Hispanic 19.3 14.7 9.7 9.5 15.3 15.1 15.8 14.3 13.4 16.1 14.7 5.1 4.3

(Table continued on next page.)

TABLE D-91 (cont.)
Wine: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 12</u>

						Percen	tage rep	orting 5+	drinks ir	a row o	n one or	more occ	casions						2008-
																			2009
Approximate wtd. N =	1992	1993 16.300	<u>1994</u> 15.400	<u>1995</u> 15.400	1996 14,300	<u>1997</u> 15.400	1998 15,200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003 14.600	2004 14.600	2005 14.700	2006 14,200	2007 14.500	2008 14,000	2009 13.700	<u>change</u>
Total	5.7	-,	-,	5.8		6.4	6.4	5.0	5.4	5.9	4.7	5.0	,	5.4	4.4	5.1		-,	1.0
Gender:	5.7	5.8	4.9	5.0	7.0	0.4	0.4	5.0	5.4	5.9	4.7	5.0	4.9	5.4	4.4	5.1	5.0	4.0	-1.0
Male	6.5	7.2	4.9	6.1	8.3	6.9	6.9	6.5	7.3	5.8	4.6	5.7	6.2	5.1	4.9	4.7	4.8	3.6	-1.2
Female		4.4	4.9	5.6	6.3 5.7	6.1			3.6					5.6	4.9				
	4.5	4.4	4.9	5.6	5.7	0.1	5.8	3.8	3.6	5.3	4.1	4.3	3.5	5.6	4.1	5.6	5.1	4.3	-0.8
College Plans:	0.7	0.0	4.0	0.4		0.7			4.0	7.0	0.4	7.0		7.4	0.0	- 1		0.4	4.0
None or under 4 years	6.7	8.3	4.0	6.1	5.7	8.7	9.6	5.0	4.2	7.8	6.4	7.0	5.2	7.1	6.0	5.4	7.7	3.4	-4.3 s
Complete 4 years	5.4	5.1	5.3	5.4	7.2	5.7	5.5	5.1	5.6	5.2	4.1	4.5	4.8	4.8	4.0	5.1	4.3	3.9	-0.4
Region:																			
Northeast	4.5	3.4	4.2	5.9	10.2	6.6	8.0	5.4	5.9	8.3	5.3	4.1	4.6	5.2	5.6	8.3	4.2	5.8	+1.6
Midwest	7.2	4.6	4.6	6.3	5.7	5.5	6.4	6.4	5.3	4.5	4.6	5.5	5.1	6.1	5.0	4.9	6.2	5.1	-1.1
South	4.1	8.2	4.7	6.9	6.7	7.2	5.7	5.0	5.2	5.8	3.9	5.4	4.9	5.1	3.6	4.4	4.7	2.7	-2.0
West	7.1	5.3	6.5	3.0	6.1	6.3	6.5	3.2	5.5	6.1	5.8	4.5	4.9	5.3	4.1	4.1	4.8	3.0	-1.8
Population Density:																			
Large MSA	6.1	5.4	4.7	5.6	9.6	7.3	6.6	5.3	6.7	5.5	5.4	4.1	5.3	5.8	5.3	6.4	4.2	3.9	-0.4
Other MSA	5.8	6.8	6.2	5.4	7.0	6.4	6.6	4.2	5.4	5.4	3.2	5.0	4.6	5.3	3.9	5.3	5.4	4.2	-1.2
Non-MSA	5.1	4.5	3.2	6.6	4.9	5.6	5.8	6.2	3.9	7.0	6.7	5.9	5.0	5.2	4.1	2.9	5.2	3.8	-1.3
Parental Education: <sup>b</sup>																			
1.0-2.0 (Low)	8.0	12.4	4.9	6.1	4.2	5.2	10.7	8.2	11.3	8.0	8.2	6.8	6.4	5.6	4.3	2.3	5.1	4.3	-0.8
2.5–3.0	4.8	5.3	3.8	5.6	6.5	6.8	6.0	3.5	3.7	5.6	4.6	6.6	4.4	5.3	2.8	3.1	5.2	3.5	-1.6
3.5-4.0	4.1	4.3	5.5	4.2	7.1	4.8	5.7	4.1	5.3	4.7	4.5	4.6	6.5	4.6	3.6	6.5	5.2	3.6	-1.6
4.5–5.0	6.1	6.0	3.7	5.6	4.4	8.1	7.6	4.7	4.8	7.2	4.4	4.1	4.1	4.7	5.2	5.3	3.9	5.3	+1.4
5.5-6.0 (High)	8.3	4.4	8.4	11.1	13.0	8.2	4.5	8.8	6.5	5.5	4.4	4.2	4.2	8.1	7.3	7.5	4.5	3.8	-0.7
Race/Ethnicity (2-year average):c																			
White	5.5	5.0	4.8	5.2	6.2	6.9	6.5	5.4	4.7	4.8	4.9	5.0	4.9	5.1	5.2	5.2	4.9	4.1	-0.8
African American	5.1	7.6	7.5	4.0	4.9	5.1	5.3	4.5	5.2	6.5	5.0	4.3	3.5	2.3	1.7	2.6	3.8	4.5	+0.7
Hispanic	7.5	7.8	7.2	7.3	7.6	7.6	7.1	7.8	7.8	7.8	4.7	3.5	5.2	5.0	3.9	4.4	5.6	5.2	-0.3
Course The Manitonian the Future of																			

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table D-S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-92
Wine Coolers: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

Percentage who used in last 30 days 1992 1993 1997 2003 2006 2007 1991 1994 1995 1996 1998 1999 2000 2001 2002 2004 2005 2008 2009 Approximate wtd. N = 17,50018,300 18,600 18,100 16,700 16,700 16,200 15,100 16.500 18,600 17,300 17,500 17,800 Total 15.1 16.1 17.5 16.5 14.8 15.3 12.9 12.4 14.8 15.9 15.3 15.9 15.6 Gender: Male 14.7 13.8 16.2 15.8 14.6 16.1 14.5 15.4 16.7 13.4 14.2 11.9 10.2 Female 14.6 16.2 16.0 16.2 15.6 18.7 16.9 15.8 16.3 15.9 15.9 13.3 14.3 College Plans: None or under 4 years 21.2 23.9 30.6 28 1 25.3 28.7 32.1 27.3 31.9 28.5 316 21 1 242 Complete 4 years 13.7 14.0 14.3 14.5 14.1 15.7 14.0 14.3 14.7 13.3 13.4 12.2 11.1 Region: Northeast 9.8 15.0 17.7 13.5 17.7 11.5 12.7 15.8 14.5 15.7 15.4 11.8 10.9 Midwest 14.5 14.6 15.7 15.0 13.9 18.5 16.1 16.2 17.6 17.0 14.8 12.1 15.5 South 17.4 18.1 17.8 16.7 17.0 17.5 16.6 16.8 15.0 16.2 18.6 14.6 127 West 14.2 17.3 15.9 13.9 16.0 15.3 12.7 13.3 11.4 11.3 14.8 14.0 8.9 Population Density: Large MSA 14.1 16.4 12.7 14.4 11.1 16.5 14.1 14.0 14.0 12.9 12.3 12.1 10.4 Other MSA 14.6 15.4 17.4 17.8 16.1 18.2 15.7 15.4 16.8 14.5 15.4 12.7 12.3 Non-MSA 15.8 17.3 13.2 15.8 17.3 17.9 18.9 17.5 18.3 14.4 Parental Education.<sup>a</sup> 1.0-2.0 (Low) 18.7 21.7 22.2 30.2 22.1 25.1 22.8 19.3 18.5 21.1 20.4 20.7 18.2 2.5 - 3.016.9 16.6 19.9 17.7 17.6 20.2 19.2 17.8 19.7 18.1 19.7 14.3 15.4 3.5-4.0 12.9 16.8 17.2 18.4 15.7 18.4 16.8 16.6 17.5 14.3 19.6 15.7 15.8 4.5-5.0 13.9 13.5 12.0 12.5 15.4 11.9 13.6 13.1 11.8 9.0 9.8 5.5-6.0 (High) 13.5 12.5 11.9 14.7 13.2 13.8 13.5 14.2 11.4 12.1 8.2 9.0 8.7 Race/Ethnicity (2-year average).b White 14.4 15.1 15.1 14.9 16.4 16.5 15.4 16.0 15.9 15.0 14.0 12.6 African American 13.7 13.3 14.4 12.7 12.2 14.7 12.8 12.8 13.1 12.0 9.8 9.6 Hispanic 23.2 22.9 21.3 21.9 23.4 24.4 21.2 22.4 21.1 18.5 18.9 18.8

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1991–1996; N is one half of N indicated in Table D-S1. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table D-S1.

The category of wine coolers was dropped from the 8th- and 10th-grade questionnaires in 2004 to make space for a more general class of flavored alcoholic beverages.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

TABLE D-93
Wine Coolers: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

	Percentage who used in last 30 days																		
	<u>1991</u>	<u>1992</u>	1993	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	1998	1999	2000	2001	2002	2003	<u>2004</u>	2005	2006	2007	2008	2009
Approximate wtd. N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	_	_	_	_	_	_
Total	24.0	21.5	22.5	21.8	20.8	22.8	22.1	20.9	22.1	21.2	20.8	18.9	17.2	_	_	_	_	_	_
Gender:																			
Male	23.9	19.8	20.5	21.9	19.4	21.8	20.6	19.0	20.5	19.6	19.8	16.0	14.8	_	_	_	_	_	_
Female	24.1	22.9	24.3	21.6	21.9	23.6	23.4	22.0	23.4	22.6	21.7	21.6	19.5	_	_	_	_	_	_
College Plans:																			
None or under 4 years	31.1	26.7	27.6	28.4	28.9	33.0	28.4	29.3	33.4	32.6	31.6	30.2	23.8	_	_	_	_	_	_
Complete 4 years	22.5	20.5	21.4	20.4	19.4	21.0	21.1	19.3	20.3	19.5	19.1	17.2	16.2	_	_	_	_	_	_
Region:																			
Northeast	23.2	19.0	24.1	21.6	18.5	20.3	21.0	19.1	21.7	18.8	21.5	18.1	18.7	_	_	_	_	_	_
Midwest	23.0	20.2	20.4	21.6	20.6	21.9	20.9	19.1	21.1	20.6	20.2	19.2	15.3	_	_	_	_	_	_
South	26.0	23.3	23.6	23.0	22.9	25.0	23.4	22.5	24.0	23.3	21.4	17.7	16.9	_	_	_	_	_	_
West	23.0	22.7	23.0	20.2	19.2	22.3	22.4	22.0	20.3	20.7	19.6	21.5	18.2	_	_	_	_	_	_
Population Density:																			
Large MSA	23.1	21.6	21.5	21.2	16.4	19.3	20.2	16.9	23.1	19.8	19.9	17.4	17.0	_	_	_	_	_	_
Other MSA	23.8	22.3	22.4	22.6	20.7	23.7	22.2	21.9	21.3	19.7	19.7	18.7	16.4	_	_	_	_	_	_
Non-MSA	25.1	20.0	23.6	20.4	23.7	24.6	23.8	23.2	22.6	25.6	23.7	21.2	19.5	_	_	_	_	_	_
Parental Education. <sup>a</sup>																			
1.0-2.0 (Low)	25.9	24.4	27.4	24.4	27.7	25.4	21.1	22.6	26.3	23.8	22.2	20.3	23.4	_	_	_	_	_	_
2.5–3.0	26.8	21.3	22.3	22.4	23.8	25.5	24.3	25.4	25.1	24.2	22.7	22.5	19.8	_	_	_	_	_	_
3.5–4.0	24.8	22.5	22.5	22.3	22.1	23.7	23.6	22.0	22.3	23.6	22.2	19.1	17.5	_	_	_	_	_	_
4.5–5.0	21.8	20.6	21.9	21.4	19.1	19.9	21.2	15.6	17.5	19.4	17.7	18.2	15.4	_	_	_	_	_	_
5.5–6.0 (High)	20.7	20.5	20.2	17.8	14.5	21.3	18.5	18.5	21.2	14.2	20.3	13.7	13.3	_	_	_	_	_	_
Race/Ethnicity (2-year average).b																			
White	_	23.0	21.9	22.1	21.2	21.7	22.6	21.7	21.6	21.9	21.2	20.3	18.1	_	_	_	_	_	_
African American	_	19.9	19.3	20.6	20.0	16.6	16.1	17.6	17.0	18.1	18.3	15.3	15.2	_	_	_	_	_	_
Hispanic	_	26.3	26.2	24.7	24.9	28.1	28.0	24.1	24.5	25.2	24.5	22.3	21.7	_	_	_	_	_	

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1991–1996; N is one half of N indicated in Table D-S2. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table D-S2.

The category of wine coolers was dropped from the 8th- and 10th-grade questionnaires in 2004 to make space for a more general class of flavored alcoholic beverages.

Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

TABLE D-94
Wine Coolers: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

							Perce	entage w	ho used	in last 30	) days							
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	1980	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	1987	1988	1989	1990	<u>1991</u>	Co
Approximate wtd. N =	_	_	_	_	_	_	_	_	_	_	_	_	_	16,300	16,700	15,200	15,000	
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	36.6	29.4	26.2	24.3	
Gender:																		
Male	_	_	_	_	_	_	_	_	_	_	_	_	_	30.8	25.5	22.7	22.1	
Female	_	_	_	_	_	_	_	_	_	_	_	_	_	41.5	33.6	29.8	26.3	
College Plans:																		
None or under 4 years	_	_	_	_	_	_	_	_	_	_	_	_	_	38.2	30.9	29.2	29.3	
Complete 4 years	_	_	_	_	_	_	_	_	_	_	_	_	_	35.9	28.6	24.9	22.8	
Region:																		
Northeast	_	_	_	_	_	_	_	_	_	_	_	_	_	33.8	29.6	29.2	21.0	
Midwest	_	_	_	_	_	_	_	_	_	_	_	_	_	37.9	33.0	28.6	26.1	
South	_	_	_	_	_	_	_	_	_	_	_	_	_	33.6	25.7	22.9	23.1	
West	_	_	_	_	_	_	_	_	_	_	_	_	_	42.7	31.3	24.7	26.3	
Population Density:																		
Large MSA	_	_	_	_	_	_	_	_	_	_	_	_	_	37.7	28.6	25.9	20.9	
Other MSA	_	_	_	_	_	_	_	_	_	_	_	_	_	37.1	31.1	28.7	28.1	
Non-MSA	_	_	_	_	_	_	_	_	_	_	_	_	_	34.6	26.4	21.1	20.6	
Parental Education: <sup>a</sup>																		
1.0-2.0 (Low)	_	_	_	_	_	_	_	_	_	_	_	_	_	28.8	27.7	22.9	24.0	
2.5–3.0	_	_	_	_	_	_	_	_	_	_	_	_	_	37.8	31.9	28.1	25.4	
3.5-4.0	_	_	_	_	_	_	_	_	_	_	_	_	_	38.5	31.2	27.1	27.2	
4.5–5.0	_	_	_	_	_	_	_	_	_	_	_	_	_	35.6	27.6	27.6	22.1	
5.5-6.0 (High)	_	_	_	_	_	_	_	_	_	_	_	_	_	36.9	23.5	21.5	18.0	
Race/Ethnicity (2-year average): <sup>b</sup>																		
White	_	_	_	_	_	_	_	_	_	_	_	_	_	_	35.4	29.6	26.7	
African American	_	_	_	_	_	_	_	_	_	_	_	_	_	_	25.3	21.7	20.9	
Hispanic	_	_	_	_	_	_	_	_	_	_	_	_	_	_	30.2	23.3	22.3	

TABLE D-94 (cont.)
Wine Coolers: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

-							F	ercentac	ge who u	sed in las	st 30 day	S							2008-
	4000	4000	4004	4005	4000	4007	4000	4000	2000	0004	0000	2002	0004	2005	2000	0007	0000	2000	2009
Approximate wtd. N =	<u>1992</u> 15 800	1993 16.300	<u>1994</u> 15,400	<u>1995</u> 15.400	1996 14.300	<u>1997</u> 15.400	1998 15.200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003 14.600	2004 14.600	2005 14,700	2006 14.200	2007 14.500	2008 14.000	2009 13.700	<u>change</u>
Total	21.9	19.4	22.2	20.6	20.7	20.7	20.1	18.4	17.6	19.0	19.3	14.6	14.4	14.1	13.3	12.7	12.8	12.2	-0.6
Gender:	21.5	15.4	22.2	20.0	20.7	20.7	20.1	10.4	17.0	13.0	10.0	14.0	14.4	17.1	10.0	12.7	12.0	12.2	0.0
Male	19.1	15.1	16.9	15.5	17.7	15.9	15.0	15.6	15.6	14.1	12.0	9.4	11.2	8.7	9.2	9.2	8.3	7.6	-0.7
Female	24.3	22.8	26.4	25.1	23.6	24.4	23.5	20.6	19.5	22.2	24.2	18.9	17.2	18.7	17.1	16.1	16.6	16.0	-0.5
College Plans:	21.0	22.0	20.1	20.1	20.0		20.0	20.0	10.0		21.2	10.0		10.7		10.1	10.0	10.0	0.0
None or under 4 years	21.9	20.5	22.8	22.7	20.0	17.8	21.8	22.8	21.2	23.1	21.8	17.2	16.7	18.6	17.5	18.0	16.8	15.1	-1.7
Complete 4 years	22.0	19.2	22.3	19.8	20.9	21.6	19.6	17.3	16.1	17.7	18.8	14.0	13.7	13.2	12.3	11.5	12.0	11.4	-0.5
Region:																			
Northeast	19.6	18.9	15.4	14.6	21.1	17.2	20.8	22.1	19.1	18.4	17.8	15.9	14.7	17.3	13.3	15.2	11.7	11.7	0.0
Midwest	23.7	19.4	26.0	19.8	20.9	21.5	18.6	19.2	18.3	19.5	20.9	15.5	11.0	13.7	13.2	11.9	12.3	14.4	+2.1
South	21.3	20.6	23.4	24.1	23.2	22.9	20.6	18.7	16.8	19.7	20.6	13.9	16.7	13.5	14.6	13.0	15.1	10.1	-4.9 s
West	22.2	17.8	19.8	20.4	14.9	18.9	20.4	13.7	16.7	17.5	16.6	13.1	14.6	12.7	10.9	10.9	10.8	13.1	+2.3
Population Density:																			
Large MSA	21.2	20.4	21.2	20.7	22.7	23.9	22.5	14.7	19.8	18.1	20.5	12.8	14.2	13.5	10.7	11.9	11.4	11.9	+0.5
Other MSA	21.0	19.0	23.3	19.8	19.3	19.1	19.4	17.5	15.0	18.5	18.4	13.7	13.8	13.2	14.4	12.6	12.8	12.8	-0.1
Non-MSA	24.1	19.4	21.3	21.8	21.6	20.1	18.7	23.4	19.4	20.6	19.4	18.0	15.6	16.7	14.7	13.9	14.3	11.3	-3.0
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	25.7	20.8	23.5	21.1	18.2	13.2	19.8	19.0	24.8	19.3	18.4	13.7	21.3	15.6	12.8	18.4	17.3	17.4	+0.1
2.5–3.0	21.2	17.1	26.4	20.4	26.8	20.0	21.4	23.2	16.3	22.8	19.6	18.1	17.2	19.8	15.6	13.1	12.8	11.1	-1.7
3.5-4.0	22.9	24.4	20.9	22.0	19.5	23.0	23.3	17.3	21.8	18.5	17.8	14.7	16.4	12.6	15.3	13.5	12.3	14.5	+2.1
4.5–5.0	18.0	17.2	22.8	21.0	17.0	21.4	17.9	14.3	13.6	19.0	19.4	12.4	9.1	13.6	12.7	10.8	11.1	11.0	-0.1
5.5-6.0 (High)	24.5	16.4	14.6	16.7	20.8	21.0	16.6	19.9	16.8	14.6	23.5	10.1	13.3	9.8	9.8	11.7	12.5	7.1	-5.4
Race/Ethnicity (2-year average):b																			
White	23.7	21.3	21.5	21.9	20.8	21.2	21.0	19.6	18.0	18.2	19.7	16.8	13.1	13.6	14.6	13.1	11.4	11.1	-0.3
African American	18.2	17.6	18.3	17.6	22.1	21.1	18.4	15.5	12.4	17.0	17.0	15.8	19.4	18.4	10.9	11.8	16.8	18.5	+1.7
Hispanic	26.7	22.9	22.9	26.0	22.0	19.8	18.2	17.4	20.7	20.0	16.7	16.0	19.7	19.4	13.8	13.0	12.9	13.2	+0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1988; N is one fifth of N indicated in Table D-S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table D-S3.

# Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-95
Wine Coolers: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 12</u>

_					Pe	rcentage	reportin	g 5+ drin	ks in a ro	ow on one	e or more	e occasio	ons				
	1975	<u>1976</u>	<u> 1977</u>	<u>1978</u>	1979	1980	<u>1981</u>	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Approximate wtd. N =	_	_	_	_	_	_	_	_	_	_	_	_	_	16,300	16,700	15,200	15,000
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	13.9	12.4	10.5	10.2
Gender:																	
Male	_	_	_	_	_	_	_	_	_	_	_	_	_	12.1	11.3	9.9	10.0
Female	_	_	_	_	_	_	_	_	_	_	_	_	_	15.1	13.5	11.3	10.2
College Plans:																	
None or under 4 years	_	_	_	_	_	_	_	_	_	_	_	_	_	17.7	16.2	14.2	13.5
Complete 4 years	_	_	_	_	_	_	_	_	_	_	_	_	_	12.5	10.7	9.0	9.2
Region:																	
Northeast	_	_	_	_	_	_	_	_	_	_	_	_	_	14.7	14.3	10.0	7.6
Midwest	_	_	_	_	_	_	_	_	_	_	_	_	_	14.2	13.1	12.0	10.9
South	_	_	_	_	_	_	_	_	_	_	_	_	_	11.2	11.2	9.3	8.8
West	_	_	_	_	_	_	_	_	_	_	_	_	_	17.4	12.0	11.0	13.2
Population Density:																	
Large MSA	_	_	_	_	_	_	_	_	_	_	_	_	_	14.2	11.7	10.0	7.9
Other MSA	_	_	_	_	_	_	_	_	_	_	_	_	_	15.6	12.4	11.0	12.4
Non-MSA	_	_	_	_	_	_	_	_	_	_	_	_	_	10.7	13.3	9.9	8.2
Parental Education: <sup>a</sup>																	
1.0-2.0 (Low)	_	_	_	_	_	_	_	_	_	_	_	_	_	13.9	9.2	10.7	12.5
2.5–3.0	_	_	_	_	_	_	_	_	_	_	_	_	_	16.6	13.8	13.3	10.9
3.5–4.0	_	_	_	_	_	_	_	_	_	_	_	_	_	13.6	14.9	9.3	12.0
4.5–5.0	_	_	_	_	_	_	_	_	_	_	_	_	_	11.7	10.5	11.3	9.2
5.5-6.0 (High)	_	_	_	_	_	_	_	_	_	_	_	_	_	11.4	7.4	6.3	3.7
Race/Ethnicity (2-year average): <sup>b</sup>																	
White	_	_	_	_	_	_	_	_	_	_	_	_	_	_	13.6	12.3	10.7
African American	_	_	_	_	_	_	_	_	_	_	_	_	_	_	13.0	9.9	9.2
Hispanic	_	_	_	_	_	_	_	_	_	_	_	_	_	_	11.5	6.0	9.8

TABLE D-95 (cont.)
Wine Coolers: Trends in 2-Week Prevalence of <u>5 or More Drinks in a Row</u> by Subgroups in <u>Grade 12</u>

					Percen	tage repo	orting 5+	drinks in	a row o	n one or	more oc	casions						2008-
																		2009
																		<u>change</u>
,	,	-,	-,	,	-,	,	-,	,	,	,	,		,	,	,	,	-,	-1.0
10.4	6.5	0.9	9.0	0.4	9.4	9.5	7.7	0.0	9.1	10.0	7.1	7.5	1.2	7.1	5.6	7.3	0.2	-1.0
10.2	73	7.4	6.7	6.0	6.7	7.0	7.0	0.4	6.2	7.2	5.4	7.5	12	6.1	4 Ω	4.5	3.5	-1.0
																		-0.9
10.3	9.5	10.0	10.6	9.1	11.3	11.0	7.0	0.4	11.4	11.4	0.2	0.0	9.1	6.0	7.0	9.0	0.7	-0.9
11 1	10.0	10.0	10.1	0.0	10.1	0.0	10.2	10.1	110	10.7	0.0	10.0	11.1	11.0	11.1	0.0	0.4	+1.1
																		-1.4
10.1	0.0	0.0	0.0	0.3	9.2	9.5	7.0	7.4	0.2	9.2	0.7	0.0	0.2	6.0	4.7	7.0	5.0	-1.4
0.0	6.5			0.0	0.0	0.6	0.0	10.1	10.2	0.0	0.0	7.5	10.7	6.0	6.1	7.4	F 0	-1.5
																		-0.3
																		-3.5 ss
9.7	6.2	10.0	10.4	4.8	9.7	10.2	5.6	10.1	8.4	8.4	5.0	7.1	5.7	5.1	5.5	4.6	6.7	+2.1
11.8	7.9	8.5	11.1	8.8	10.8	12.1	7.5	11.1	10.6	9.6	6.8	7.2	7.0	6.4	5.3	6.3	4.8	-1.5
9.2	8.7	8.8	7.5	8.3	9.5	8.7	6.5	8.1	8.2	9.9	6.3	7.0	7.4	6.6	6.4	6.7	6.6	-0.1
11.7	8.6	9.6	9.1	8.2	7.8	7.9	9.7	7.4	11.3	10.7	8.9	8.9	7.1	9.1	5.3	9.4	7.2	-2.2
13.1	12.2	11.4	11.7	9.6	6.8	13.2	8.3	16.8	14.1	14.6	9.3	11.9	8.3	12.0	8.8	9.1	9.7	+0.5
9.5	6.9	10.4	9.5	11.4	9.8	11.0	9.2	8.8	12.6	9.9	9.4	9.5	9.9	8.2	8.1	8.0	5.4	-2.6
11.1	11.1	8.8	8.5	6.8	10.6	9.9	7.7	8.8	7.3	9.9	6.1	9.1	6.2	7.4	5.6	6.8	8.6	+1.8
8.8	7.4	9.2	9.2	7.2	8.6	7.7	7.2	8.6	10.7	10.7	5.9	4.2	6.8	7.4	4.7	5.5	4.2	-1.3
10.6	5.6	4.8	7.5	7.7	9.5	7.9	5.8	7.0	6.1	8.0	5.9	5.5	5.2	3.4	4.1	8.3	3.8	-4.5 s
10.3	9.5	8.6	8.6	8.1	8.7	8.8	7.6	7.6	8.9	10.2	8.4	6.4	6.9	7.5	6.4	5.4	5.5	+0.1
8.7	8.6	8.6	7.5	10.4	10.0	9.2	6.9	4.2	9.6	10.0	7.8	11.7	10.5	4.6	4.9	6.6	8.2	+1.6
14.5	13.5	13.1	13.9	11.1	9.8	12.0	12.6	13.2	11.5	9.1	9.3	10.6	9.4	8.0	7.9	8.1	8.8	+0.7
	9.2 11.7 13.1 9.5 11.1 8.8 10.6 10.3 8.7 14.5	15,800         16,300           10.4         8.5           10.2         7.3           10.3         9.5           11.1         10.8           10.1         8.0           8.8         6.5           12.0         8.0           10.3         11.1           9.7         6.2           11.8         7.9           9.2         8.7           11.7         8.6           13.1         12.2           9.5         6.9           11.1         11.1           8.8         7.4           10.6         5.6           10.3         9.5           8.7         8.6           14.5         13.5	15,800         16,300         15,400           10.4         8.5         8.9           10.2         7.3         7.4           10.3         9.5         10.0           11.1         10.8         10.9           10.1         8.0         8.6           8.8         6.5         5.5           12.0         8.0         9.9           10.3         11.1         9.3           9.7         6.2         10.0           11.8         7.9         8.5           9.2         8.7         8.8           11.7         8.6         9.6           13.1         12.2         11.4           9.5         6.9         10.4           11.1         11.1         8.8           8.4         9.2         10.6         5.6           4.8         10.3         9.5         8.6           8.7         8.6         8.6	15,800         16,300         15,400         15,400           10.4         8.5         8.9         9.0           10.2         7.3         7.4         6.7           10.3         9.5         10.0         10.8           11.1         10.8         10.9         12.1           10.1         8.0         8.6         8.0           8.8         6.5         5.5         5.5           12.0         8.0         9.9         7.0           10.3         11.1         9.3         11.5           9.7         6.2         10.0         10.4           11.8         7.9         8.5         11.1           9.2         8.7         8.8         7.5           11.7         8.6         9.6         9.1           13.1         12.2         11.4         11.7           9.5         6.9         10.4         9.5           11.1         11.1         8.8         8.5           11.1         11.1         8.8         8.5           11.1         11.1         8.8         8.5           10.6         5.6         4.8         7.5           10.3         9	15,800         16,300         15,400         15,400         14,300           10.4         8.5         8.9         9.0         8.4           10.2         7.3         7.4         6.7         6.9           10.3         9.5         10.0         10.8         9.7           11.1         10.8         10.9         12.1         8.8           10.1         8.0         8.6         8.0         8.3           8.8         6.5         5.5         5.5         9.8           12.0         8.0         9.9         7.0         9.2           10.3         11.1         9.3         11.5         8.7           9.7         6.2         10.0         10.4         4.8           11.8         7.9         8.5         11.1         8.8           9.2         8.7         8.8         7.5         8.3           11.7         8.6         9.6         9.1         8.2           13.1         12.2         11.4         11.7         9.6           9.5         6.9         10.4         9.5         11.4           11.1         11.1         8.8         8.5         6.8           <	1992         1993         1994         1995         1996         1997           15,800         16,300         15,400         15,400         14,300         15,400           10.4         8.5         8.9         9.0         8.4         9.4           10.2         7.3         7.4         6.7         6.9         6.7           10.3         9.5         10.0         10.8         9.7         11.3           11.1         10.8         10.9         12.1         8.8         10.1           10.1         8.0         8.6         8.0         8.3         9.2           8.8         6.5         5.5         5.5         9.8         8.2           12.0         8.0         9.9         7.0         9.2         9.7           10.3         11.1         9.3         11.5         8.7         9.7           9.7         6.2         10.0         10.4         4.8         9.7           11.8         7.9         8.5         11.1         8.8         10.8           9.2         8.7         8.8         7.5         8.3         9.5           11.7         8.6         9.6         9.1         8.2	1992         1993         1994         1995         1996         1997         1998           15,800         16,300         15,400         15,400         14,300         15,400         15,200           10.4         8.5         8.9         9.0         8.4         9.4         9.5           10.2         7.3         7.4         6.7         6.9         6.7         7.0           10.3         9.5         10.0         10.8         9.7         11.3         11.0           11.1         10.8         10.9         12.1         8.8         10.1         9.9           10.1         8.0         8.6         8.0         8.3         9.2         9.5           8.8         6.5         5.5         5.5         9.8         8.2         9.6           12.0         8.0         9.9         7.0         9.2         9.7         7.3           10.3         11.1         9.3         11.5         8.7         9.7         10.5           9.7         6.2         10.0         10.4         4.8         9.7         10.2           11.8         7.9         8.5         11.1         8.8         10.8         12.1	1992         1993         1994         1995         1996         1997         1998         1999           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8           11.1         10.8         10.9         12.1         8.8         10.1         9.9         10.2           10.1         8.0         8.6         8.0         8.3         9.2         9.5         7.0           8.8         6.5         5.5         5.5         9.8         8.2         9.6         8.9           12.0         8.0         9.9         7.0         9.2         9.7         7.3         7.0           10.3         11.1         9.3         11.5         8.7         9.7         10.5         8.8           9.7         6.2         10.0         10.4         4.8	1992         1993         1994         1995         1996         1997         1998         1999         2000           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4           11.1         10.8         10.9         12.1         8.8         10.1         9.9         10.2         12.1           10.1         8.0         8.6         8.0         8.3         9.2         9.5         7.0         7.4           8.8         6.5         5.5         5.5         9.8         8.2         9.6         8.9         10.1           12.0         8.0         9.9         7.0         9.2         9.7         7.3         7.0         10.8           10.3         11.1         9.3         11.5         8.7	1992         1993         1994         1995         1996         1997         1998         1999         2000         2001           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800         12,800           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4           11.1         10.8         10.9         12.1         8.8         10.1         9.9         10.2         12.1         14.8           10.1         8.0         8.6         8.0         8.3         9.2         9.5         7.0         7.4         8.2           8.8         6.5         5.5         5.5         9.8         8.2         9.6         8.9         10.1         10.2           12.0         8.0         9.9         7.0         9.2         9.7         7.3 </td <td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,900           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7         10.0           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2         7.2           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4         11.4           11.1         10.8         10.9         12.1         8.8         10.1         9.9         10.2         12.1         14.8         13.7           10.1         8.0         8.6         8.0         8.3         9.2         9.5         7.0         7.4         8.2         9.2           8.8         6.5         5.5         5.5         9.8         8.2         9.6         8.9         10.1         10.2         &lt;</td> <td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,900         14,600           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7         10.0         7.1           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2         7.2         5.4           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4         11.4         8.2           11.1         10.8         10.9         12.1         8.8         10.1         9.9         10.2         12.1         14.8         13.7         8.9           10.1         10.8         8.0         8.3         9.2         9.5         7.0         7.4         8.2         9.2         6.7           12.0         8.0         9.9         7.0</td> <td>15,800         16,300         15,400         15,400         14,300         15,400         15,400         12,800         12,800         12,800         12,800         12,800         12,800         14,600&lt;</td> <td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2011         2002         2003         2004         2005           15,800         16,300         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,900         14,600         14,600         14,700           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7         10.0         7.1         7.5         7.2           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2         7.2         5.4         7.5         4.2           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4         11.4         8.2         8.0         9.7           11.1         10.8         10.9         12.1         8.8         10.1         9.9         10.2         12.1         14.8         13.7         8.9         10.8         11.4           10.1         8.0         8.6         8.0         8.2<td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,900         14,600         14,600         14,700         14,200           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7         10.0         7.1         7.5         7.2         7.1           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2         7.2         5.4         7.5         4.2         6.1           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4         11.4         8.2         8.0         9.7         8.0           11.1         10.8         10.9         12.1         8.8         10.1         9.9         10.2         12.1         14.8         13.7         8.9         10.8</td><td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007           15,800         16,300         15,400         15,400         15,200         13,600         12,800         12,800         12,900         14,600         14,600         14,700         14,200         14,500           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7         10.0         7.1         7.5         7.2         7.1         5.8           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2         7.2         5.4         7.5         4.2         6.1         4.8           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4         11.4         8.2         8.0         9.7         8.0         7.0           11.1         10.8         8.0         8.5         10.1         9.9         10.2         12.1         14.8         13.7         8.9<!--</td--><td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007         2008           15,800         16,300         15,400         15,400         14,300         15,200         12,800         12,800         12,900         14,600         14,600         14,000         <t< td=""><td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007         2008         2009           15,800         16,300         15,400         15,400         15,400         15,400         15,200         12,800         12,800         12,900         14,600         14,600         14,700         14,200         14,000         14,000         14,700         14,200         14,000         14,000         14,700         14,200         14,000</td></t<></td></td></td>	1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,900           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7         10.0           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2         7.2           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4         11.4           11.1         10.8         10.9         12.1         8.8         10.1         9.9         10.2         12.1         14.8         13.7           10.1         8.0         8.6         8.0         8.3         9.2         9.5         7.0         7.4         8.2         9.2           8.8         6.5         5.5         5.5         9.8         8.2         9.6         8.9         10.1         10.2         <	1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,900         14,600           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7         10.0         7.1           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2         7.2         5.4           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4         11.4         8.2           11.1         10.8         10.9         12.1         8.8         10.1         9.9         10.2         12.1         14.8         13.7         8.9           10.1         10.8         8.0         8.3         9.2         9.5         7.0         7.4         8.2         9.2         6.7           12.0         8.0         9.9         7.0	15,800         16,300         15,400         15,400         14,300         15,400         15,400         12,800         12,800         12,800         12,800         12,800         12,800         14,600<	1992         1993         1994         1995         1996         1997         1998         1999         2000         2011         2002         2003         2004         2005           15,800         16,300         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,900         14,600         14,600         14,700           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7         10.0         7.1         7.5         7.2           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2         7.2         5.4         7.5         4.2           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4         11.4         8.2         8.0         9.7           11.1         10.8         10.9         12.1         8.8         10.1         9.9         10.2         12.1         14.8         13.7         8.9         10.8         11.4           10.1         8.0         8.6         8.0         8.2 <td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,900         14,600         14,600         14,700         14,200           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7         10.0         7.1         7.5         7.2         7.1           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2         7.2         5.4         7.5         4.2         6.1           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4         11.4         8.2         8.0         9.7         8.0           11.1         10.8         10.9         12.1         8.8         10.1         9.9         10.2         12.1         14.8         13.7         8.9         10.8</td> <td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007           15,800         16,300         15,400         15,400         15,200         13,600         12,800         12,800         12,900         14,600         14,600         14,700         14,200         14,500           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7         10.0         7.1         7.5         7.2         7.1         5.8           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2         7.2         5.4         7.5         4.2         6.1         4.8           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4         11.4         8.2         8.0         9.7         8.0         7.0           11.1         10.8         8.0         8.5         10.1         9.9         10.2         12.1         14.8         13.7         8.9<!--</td--><td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007         2008           15,800         16,300         15,400         15,400         14,300         15,200         12,800         12,800         12,900         14,600         14,600         14,000         <t< td=""><td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007         2008         2009           15,800         16,300         15,400         15,400         15,400         15,400         15,200         12,800         12,800         12,900         14,600         14,600         14,700         14,200         14,000         14,000         14,700         14,200         14,000         14,000         14,700         14,200         14,000</td></t<></td></td>	1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006           15,800         16,300         15,400         15,400         14,300         15,400         15,200         13,600         12,800         12,800         12,900         14,600         14,600         14,700         14,200           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7         10.0         7.1         7.5         7.2         7.1           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2         7.2         5.4         7.5         4.2         6.1           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4         11.4         8.2         8.0         9.7         8.0           11.1         10.8         10.9         12.1         8.8         10.1         9.9         10.2         12.1         14.8         13.7         8.9         10.8	1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007           15,800         16,300         15,400         15,400         15,200         13,600         12,800         12,800         12,900         14,600         14,600         14,700         14,200         14,500           10.4         8.5         8.9         9.0         8.4         9.4         9.5         7.7         8.8         9.7         10.0         7.1         7.5         7.2         7.1         5.8           10.2         7.3         7.4         6.7         6.9         6.7         7.0         7.0         9.4         6.2         7.2         5.4         7.5         4.2         6.1         4.8           10.3         9.5         10.0         10.8         9.7         11.3         11.0         7.8         8.4         11.4         11.4         8.2         8.0         9.7         8.0         7.0           11.1         10.8         8.0         8.5         10.1         9.9         10.2         12.1         14.8         13.7         8.9 </td <td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007         2008           15,800         16,300         15,400         15,400         14,300         15,200         12,800         12,800         12,900         14,600         14,600         14,000         <t< td=""><td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007         2008         2009           15,800         16,300         15,400         15,400         15,400         15,400         15,200         12,800         12,800         12,900         14,600         14,600         14,700         14,200         14,000         14,000         14,700         14,200         14,000         14,000         14,700         14,200         14,000</td></t<></td>	1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007         2008           15,800         16,300         15,400         15,400         14,300         15,200         12,800         12,800         12,900         14,600         14,600         14,000 <t< td=""><td>1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007         2008         2009           15,800         16,300         15,400         15,400         15,400         15,400         15,200         12,800         12,800         12,900         14,600         14,600         14,700         14,200         14,000         14,000         14,700         14,200         14,000         14,000         14,700         14,200         14,000</td></t<>	1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007         2008         2009           15,800         16,300         15,400         15,400         15,400         15,400         15,200         12,800         12,800         12,900         14,600         14,600         14,700         14,200         14,000         14,000         14,700         14,200         14,000         14,000         14,700         14,200         14,000

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1988; N is one fifth of N indicated in Table D-S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-96
Flavored Alcoholic Beverages:
Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

		Perce	entage w	ho used	in last 3	0 days		-
								2008-
	1991-	2004	2005	2006	2007	2000	2000	2009
Approximate weighted N =	<u>2003</u>	2004 17,000	2005 16,800	2006 16,500	2007 16,100	2008 15,700	2009 15,000	<u>change</u>
Total	_	14.6	12.9	13.1	12.2	10.2	9.5	-0.7
Gender:			.2.0				0.0	0
Male	_	12.7	11.4	10.8	10.4	9.2	9.1	-0.1
Female	_	16.3	14.4	15.3	13.4	10.9	9.7	-1.3
College Plans:								
None or under 4 years	_	28.1	24.9	25.9	23.8	24.0	18.3	-5.7
Complete 4 years	_	13.3	11.8	11.8	11.1	9.0	8.7	-0.3
Region:								
Northeast	_	14.9	11.0	12.2	9.7	9.2	8.8	-0.3
Midwest	_	16.2	12.6	12.9	12.0	10.5	9.1	-1.4
South	_	15.1	14.6	14.3	14.0	12.6	11.8	-0.8
West	_	11.7	11.9	12.0	10.9	7.2	6.7	-0.5
Population Density:								
Large MSA	_	14.4	11.5	12.6	10.6	11.1	7.2	-3.9 ss
Other MSA	_	14.2	14.0	13.0	12.4	9.7	9.7	0.0
Non-MSA	_	15.6	12.8	13.9	14.2	10.2	12.0	+1.9
Parental Education: <sup>a</sup>								
1.0-2.0 (Low)	_	19.5	19.5	18.7	21.1	19.3	14.7	-4.6
2.5–3.0	_	17.5	18.0	18.7	17.5	14.4	13.1	-1.3
3.5-4.0	_	17.8	16.2	13.4	12.3	11.7	11.4	-0.4
4.5-5.0	_	11.8	10.3	8.5	9.8	7.2	7.4	+0.2
5.5-6.0 (High)	_	11.5	7.3	9.9	7.1	6.5	4.7	-1.9
Race/Ethnicity (2-year average).b								
White	_	_	13.8	12.6	12.1	11.1	9.8	-1.3
African American	_	_	12.0	11.0	10.1	9.2	8.5	-0.7
Hispanic	_	_	17.0	17.6	16.7	13.9	11.8	-2.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-97
Flavored Alcoholic Beverages:
Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

		Perc	entage w	ho used	in last 3	0 days		_	2008-
								2008-	2009
	1991– 2003	2004	2005	2006	2007	2008	2009	2009 change	adjusted change
Approximate wtd. N =	<u>2003</u>	16,400	16,200	16,200	16,100	15,100	15,900	criarige	change
Total	_	25.1	23.1	24.7	21.8	20.2	19.0	-1.2	[-2.1]
Gender:									
Male	_	24.5	20.3	22.4	18.8	17.0	17.0	0.0	
Female	_	25.6	25.8	26.9	24.7	22.9	20.9	-1.9	
College Plans:									
None or under 4 years	_	32.5	33.8	37.2	32.0	29.1	30.0	+0.9	
Complete 4 years	_	24.2	21.7	23.1	20.6	19.1	17.8	-1.3	
Region:									
Northeast	_	26.6	22.4	26.3	23.2	22.2	18.6	-3.6	
Midwest	_	22.5	23.4	23.5	21.2	20.0	17.6	-2.4	
South	_	25.6	23.7	24.5	20.0	20.3	21.1	+0.7	
West	_	26.5	22.5	25.4	23.6	19.0	17.9	-1.1	
Population Density:									
Large MSA	_	22.4	22.0	23.1	21.5	19.0	17.6	-1.5	
Other MSA	_	26.1	23.1	25.5	21.4	20.9	19.6	-1.3	
Non-MSA	_	26.5	24.4	25.5	23.0	20.5	19.7	-0.7	
Parental Education. <sup>a</sup>									
1.0-2.0 (Low)	_	27.3	24.9	25.8	25.5	21.8	23.5	+1.7	
2.5–3.0	_	30.5	28.1	27.9	25.8	23.4	23.3	-0.1	
3.5-4.0	_	25.0	23.6	28.5	23.1	21.2	18.8	-2.4	
4.5–5.0	_	24.9	22.6	19.9	19.7	19.0	18.2	-0.8	
5.5-6.0 (High)	_	20.8	17.3	23.7	16.9	16.2	14.3	-1.9	
Race/Ethnicity (2-year average).b									
White	_	_	25.7	25.1	24.0	21.8	20.0	-1.8	
African American	_	_	16.1	15.5	15.9	15.2	14.2	-1.0	
Hispanic	_	_	29.0	28.6	26.1	23.1	23.0	-0.1	

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of four forms; N is one third of N indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-98
Flavored Alcoholic Beverages:
Trends in 30-Day Prevalence of Use by Subgroups in Grade12

		Perc	entage w	/ho used	in last 3	0 days		_
	1991–							2008– 2009
	2003	2004	2005	2006	2007	2008	2009	<u>change</u>
Approximate wtd. N =	_	14,600	14,700	14,200	14,500	14,000	13,700	
Total	_	31.1	30.5	29.3	29.1	27.4	27.4	+0.1
Gender:								
Male	_	28.9	28.3	26.0	25.4	25.8	27.3	+1.5
Female	_	33.2	33.2	32.3	32.8	29.0	27.1	-1.8
College Plans:								
None or under 4 years	_	34.7	34.2	32.9	37.0	29.0	35.6	+6.6
Complete 4 years	_	30.3	29.6	28.7	27.5	26.9	25.9	-1.1
Region:								
Northeast	_	33.5	38.1	29.4	36.0	33.5	34.0	+0.5
Midwest	_	35.3	33.4	32.2	28.5	25.8	26.7	+0.9
South	_	25.9	25.9	27.0	28.8	26.9	27.2	+0.3
West	_	32.1	27.9	29.9	24.9	25.8	23.2	-2.7
Population Density:								
Large MSA	_	27.0	29.9	32.3	30.8	28.7	27.0	-1.7
Other MSA	_	33.4	29.9	27.7	27.8	25.8	28.8	+3.0
Non-MSA	_	30.9	32.2	28.5	29.5	29.1	24.7	-4.4
Parental Education. <sup>a</sup>								
1.0-2.0 (Low)	_	28.5	22.2	30.3	34.0	24.9	26.8	+1.9
2.5–3.0	_	31.0	33.3	30.6	32.4	28.3	28.2	-0.1
3.5-4.0	_	33.6	31.7	30.9	29.9	28.4	28.7	+0.3
4.5-5.0	_	29.4	30.2	28.8	27.6	27.6	24.4	-3.2
5.5-6.0 (High)	_	29.8	30.2	26.4	25.3	26.6	28.4	+1.8
Race/Ethnicity (2-year average).b								
White	_	_	33.3	31.4	30.6	31.1	29.9	-1.2
African American	_	_	17.1	20.9	21.6	19.8	19.3	-0.5
Hispanic			28.6	32.2	34.5	26.2	25.2	-1.0

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .01. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See TableD-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on one of six forms; N is one sixth of N indicated in Table D-S3.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-99
Cigarettes: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 8</u>

								Perce	ntage wl	no used	in last 30	days								2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009
Approximate wtd. N =		18.600	18,300	17.300	17.500	17.800	18.600	18.100			16.200	<u>2002</u> 15.100	2003 16.500	17.000	2005 16.800	16.500	<u>2007</u> 16.100	<u>2006</u> 15.700	<u>2009</u> 15.000	<u>change</u>
Total	14.3	15.5	16.7	18.6	19.1	21.0	19.4	19.1	17.5	14.6	12.2	10.7	10.2	9.2	9.3	8.7	7.1	6.8	6.5	-0.4
Gender:		.0.0		.0.0		20								0.2	0.0	0		0.0	0.0	0
Male	15.5	14.9	17.2	19.3	18.8	20.6	19.1	18.0	16.7	14.3	12.2	11.0	9.6	8.3	8.7	8.1	7.5	6.7	6.7	0.0
Female	13.1	15.9	16.3	17.9	19.0	21.1	19.5	19.8	17.7	14.7	12.0	10.4	10.6	9.9	9.7	8.9	6.4	6.7	6.0	-0.8
College Plans:																				
None or under 4 years	29.2	31.9	34.1	36.6	36.5	39.2	40.0	40.1	40.3	34.7	30.0	29.3	27.8	25.6	26.7	23.2	23.9	21.1	19.5	-1.7
Complete 4 years	11.8	13.1	14.3	16.1	16.8	18.2	16.9	16.5	14.5	12.2	10.0	8.9	8.3	7.4	7.4	7.1	5.4	5.5	5.3	-0.2
Region:																				
Northeast	13.7	14.4	15.0	17.8	18.6	22.1	18.0	15.6	15.7	13.7	11.4	9.1	7.7	7.2	7.8	6.7	3.7	5.9	5.6	-0.3
Midwest	15.5	16.5	16.3	18.5	20.9	23.2	20.0	22.3	21.3	17.1	12.0	11.0	12.2	10.8	9.5	9.3	7.8	8.1	7.0	-1.1
South	15.7	17.0	18.2	19.5	19.4	21.1	21.0	21.1	18.7	14.7	14.3	13.0	11.7	10.3	11.6	10.9	8.6	7.7	7.7	0.0
West	10.0	12.2	16.4	18.0	16.5	17.1	17.1	15.1	12.1	12.2	9.3	7.5	7.0	7.4	6.3	5.7	5.8	5.2	4.6	-0.6
Population Density:																				
Large MSA	12.8	15.0	14.1	15.5	16.5	19.4	15.8	16.4	12.7	12.1	9.3	7.5	7.7	7.7	6.7	6.4	4.7	5.2	4.2	-1.0
Other MSA	14.9	15.3	17.8	20.7	19.4	21.4	19.7	17.7	16.0	13.1	11.6	10.6	9.8	8.9	9.8	8.8	7.6	7.5	6.9	-0.6
Non-MSA	14.8	16.4	17.9	17.8	21.5	22.1	22.8	24.8	26.1	21.1	16.9	14.9	14.4	11.6	11.8	11.6	9.5	7.9	8.5	+0.6
Parental Education: <sup>a</sup>																				
1.0-2.0 (Low)	26.2	24.1	23.3	26.1	25.3	26.5	26.9	26.7	26.6	22.0	20.3	20.3	17.5	15.8	16.6	14.7	13.8	12.1	10.5	-1.5
2.5–3.0	16.4	16.9	19.8	20.6	22.7	24.4	22.4	23.9	23.5	19.6	16.4	14.5	14.8	12.2	13.4	12.5	10.2	8.7	8.8	+0.1
3.5–4.0	13.9	14.9	17.4	20.1	20.8	21.4	20.9	21.4	17.0	14.7	12.6	10.5	9.6	9.6	10.5	8.8	7.8	7.3	7.1	-0.1
4.5–5.0	10.1	13.3	12.5	14.9	14.9	18.4	16.2	14.2	12.3	10.2	8.3	7.8	6.7	6.7	5.9	5.5	3.9	4.7	4.4	-0.3
5.5-6.0 (High)	11.3	11.5	13.3	15.1	14.5	17.3	15.3	13.8	12.2	9.8	6.9	5.8	6.0	5.2	4.3	4.8	2.4	4.1	3.5	-0.7
Race/Ethnicity (2-year average). <sup>b</sup>																				
White	_	16.2	17.8	18.9	20.7	22.7	22.8	21.5	20.1	17.7	14.7	12.0	10.9	10.0	9.4	9.3	8.1	7.2	7.3	+0.1
African American	_	5.3	6.6	8.7	8.9	9.6	10.9	10.6	10.7	9.6	8.2	7.7	6.9	6.9	7.1	6.0	5.1	4.6	4.4	-0.2
Hispanic		16.7	18.3	21.3	21.6	19.6	19.1	20.1	20.5	16.6	13.0	12.8	11.9	10.1	9.0	8.8	8.0	7.0	6.5	-0.6

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-100
Cigarettes: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

2008-

								Perce	entage w	ho used	in last 30	) days								2008-	2006–
																				2009	adjusted
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	2003	2004	2005	2006	2007	2008	2009	<u>change</u>	<u>change</u>
Approximate wtd. N =	,	14,800	15,300	15,800	17,000	15,600	,	15,000		14,300	14,000	14,300	15,800	16,400	16,200	16,200	,	,	15,900		5.4.41
Total	20.8	21.5	24.7	25.4	27.9	30.4	29.8	27.6	25.7	23.9	21.3	17.7	16.7	16.0	14.9	14.5	14.0	12.3	13.1	+0.8	[+1.1]
Gender:	00.0	00.0	04.0	00.0	07.7	00.4	00.0	00.0	05.0	00.0	00.0	40.7	40.0	40.0	44.5	40.4	440	40.7	40.7		
Male	20.8	20.6	24.6	26.6	27.7	30.1	28.2	26.2	25.2	23.8	20.9	16.7	16.2	16.2	14.5	13.4	14.6	12.7	13.7		
Female	20.7	22.2	24.5	23.9	27.9	30.8	31.1	29.1	25.8	23.6	21.5	18.6	17.0	15.7	15.1	15.5	13.3	11.9	12.5	+0.6	
College Plans:																					
None or under 4 years	36.5	35.0	41.9	42.2	46.3	46.2	47.2	45.2	44.0	38.6	38.1	33.3	33.0	33.1	29.4	32.7	30.1	30.1		-1.1	
Complete 4 years	17.3	18.6	21.0	21.7	24.7	27.8	26.8	24.5	22.7	21.5	18.5	15.1	14.0	13.6	12.9	12.1	11.8	10.0	11.3	+1.4 s	
Region:																					
Northeast	22.4	21.9	27.1	24.5	27.8	31.7	29.3	30.1	28.0	23.9	18.1	15.9	16.6	16.6	14.9	11.8	13.1	10.1	11.1	+0.9	
Midwest	22.9	24.3	26.0	28.8	30.1	32.5	31.7	29.5	30.2	27.1	24.2	19.2	18.4	14.6	16.2	18.1	17.1	14.5		-1.6	
South	21.2	19.8	24.0	25.7	30.8	33.4	32.2	29.8	26.3	25.5	23.5	19.6	18.2	20.4	16.4	15.6	14.4	14.0	16.7	+2.7	
West	16.7	20.2	21.2	20.1	19.6	20.8	23.2	19.6	17.5	16.8	15.0	14.1	12.5	10.9	10.9	10.9	11.1	9.6	10.1	+0.5	
Population Density:																					
Large MSA	19.7	21.6	22.5	22.3	23.3	26.2	26.6	22.5	22.9	23.1	17.3	14.2	13.1	12.0	11.7	11.5	12.1	10.3	11.4	+1.1	
Other MSA	20.3	20.3	23.8	26.3	28.9	31.1	28.9	26.6	25.0	21.3	20.5	17.6	16.6	16.6	14.7	13.3	13.9	12.3	13.0	+0.7	
Non-MSA	22.7	23.7	28.2	26.7	31.3	33.9	34.9	35.7	30.4	29.4	27.6	22.6	22.4	20.4	19.8	22.4	17.2	15.4	16.1	+0.7	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	23.5	28.4	29.5	26.4	30.9	28.7	28.2	28.0	30.5	29.3	22.5	21.4	23.4	19.3	16.4	20.4	17.5	15.7	18.2	+2.5	
2.5-3.0	24.1	23.3	28.0	29.1	33.2	33.8	33.2	33.0	29.6	26.8	25.7	22.4	21.2	19.9	19.7	19.7	18.4	15.8	16.5	+0.7	
3.5-4.0	20.4	20.6	24.8	26.0	27.8	31.6	30.9	27.3	26.0	25.3	21.1	17.4	16.2	17.8	15.7	15.5	14.7	13.9	13.8	-0.1	
4.5–5.0	18.5	19.5	20.1	22.6	25.9	28.7	28.5	25.7	22.4	21.2	18.9	15.1	13.4	12.6	12.5	10.8	11.3	9.6	10.9	+1.3	
5.5-6.0 (High)	18.5	18.9	21.4	20.7	21.8	27.8	24.6	22.5	21.4	19.1	17.1	12.7	11.6	10.8	10.8	10.0	9.7	7.8	8.9	+1.1	
Race/Ethnicity (2-year average).b																					
White	_	24.1	26.0	27.8	29.7	32.9	34.4	33.2	30.8	28.2	25.7	22.4	20.0	18.7	17.6	16.6	16.2	15.1	14.4	-0.8	
African American	_	6.6	7.5	9.8	11.5	12.2	12.8	13.7	12.5	11.1	11.1	9.8	8.9	9.2	8.7	8.0	7.1	6.5	6.8	+0.3	
Hispanic		18.3	20.5	19.4	21.4	23.7	23.0	21.3	21.1	19.6	16.8	14.3	13.2	13.9	13.5	12.1	10.5	11.1	12.1	+0.9	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-101 Cigarettes: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

Cont.

							Perce	entage w	ho used	in last 30	days						
Approximate wtd. N =	<u>1975</u> 9,400	<u>1976</u> 15,400	<u>1977</u> 17,100	<u>1978</u> 17,800	<u>1979</u> 15,500	<u>1980</u> 15,900	<u>1981</u> 17,500	<u>1982</u> 17,700	1983 16,300	<u>1984</u> 15,900	<u>1985</u> 16,000	<u>1986</u> 15,200	1987 16,300	1988 16,300	1989 16,700	<u>1990</u> 15,200	<u>1991</u> 15,000
Total	36.7	38.8	38.4	36.7	34.4	30.5	29.4	30.0	30.3	29.3	30.1	29.6	29.4	28.7	28.6	29.4	28.3
Gender:																	
Male	37.2	37.7	36.6	34.5	31.2	26.8	26.5	26.8	28.0	25.9	28.2	27.9	27.0	28.0	27.7	29.1	29.0
Female	35.9	39.1	39.6	38.1	37.1	33.4	31.6	32.6	31.6	31.9	31.4	30.6	31.4	28.9	29.0	29.2	27.5
College Plans:																	
None or under 4 years	_	46.3	46.2	44.6	43.0	39.6	38.1	38.7	38.0	37.9	40.5	38.5	39.7	37.5	38.0	37.5	38.1
Complete 4 years	_	29.8	29.4	27.4	26.0	22.3	22.3	22.1	23.3	22.7	22.8	24.0	24.3	24.4	24.1	25.4	24.2
Region:																	
Northeast	40.1	41.8	43.0	40.6	37.0	34.1	31.5	32.1	34.6	33.5	34.2	35.2	34.1	31.2	29.4	31.9	30.5
Midwest	39.5	41.3	40.5	39.0	36.6	31.5	32.4	33.5	33.2	31.4	34.1	32.5	31.7	31.1	34.9	34.0	34.6
South	36.2	39.1	37.6	35.7	35.4	31.8	28.9	29.4	28.7	28.6	25.6	26.1	26.0	28.0	26.4	26.1	25.4
West	26.3	28.3	27.7	27.3	24.8	21.2	21.8	20.4	21.8	22.9	26.3	23.3	26.6	23.9	22.7	25.1	23.2
Population Density:																	
Large MSA	39.7	40.4	40.9	37.5	33.4	31.2	30.6	32.1	30.8	31.3	31.9	30.8	29.3	26.9	25.9	27.9	26.2
Other MSA	35.1	35.9	36.1	34.3	33.5	29.7	27.4	27.8	29.1	28.2	28.5	28.0	28.2	28.3	28.2	29.6	29.3
Non-MSA	36.7	40.9	39.2	39.4	36.4	30.9	30.9	31.2	31.5	29.3	30.8	31.0	31.8	31.4	32.2	30.4	28.6
Parental Education: <sup>a</sup>																	
1.0-2.0 (Low)	37.2	43.2	39.6	38.1	38.1	32.7	32.5	32.6	32.7	33.6	32.3	28.6	28.8	28.1	25.4	26.3	31.3
2.5–3.0	37.0	41.2	40.8	39.3	35.9	34.2	31.7	32.0	32.2	31.8	32.3	32.3	31.4	29.9	30.8	30.8	28.7
3.5-4.0	31.9	35.3	37.3	34.0	33.3	28.0	28.2	29.0	28.0	28.1	29.7	29.7	28.8	27.8	29.4	29.3	28.4
4.5–5.0	32.3	35.0	33.0	32.6	30.1	25.7	26.0	25.5	27.8	25.2	27.7	26.4	27.6	28.6	27.0	29.1	26.9
5.5-6.0 (High)	26.8	30.8	32.8	31.9	29.6	24.0	22.5	25.1	25.5	23.7	22.6	26.7	29.3	27.8	26.3	28.6	27.1
Race/Ethnicity (2-year average):b																	
White	_	_	38.3	37.6	36.0	33.0	30.5	30.7	31.3	31.2	31.3	31.9	32.1	32.2	32.2	32.3	32.2
African American	_	_	36.7	32.7	30.2	26.8	23.7	21.8	21.2	19.3	18.1	16.9	14.2	13.3	12.6	12.2	10.6
Hispanic	_	_	35.7	32.8	26.8	22.6	23.2	24.7	24.7	25.3	25.5	23.7	22.7	21.9	20.6	21.7	24.0

TABLE D-101 (cont.)
Cigarettes: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

							F	ercentaç	ge who u	sed in las	st 30 day	S							2008–
																			2009
Approximate wtd. N =	<u>1992</u> 15.800	1993 16,300	<u>1994</u> 15.400	<u>1995</u> 15.400	1996 14.300	<u>1997</u> 15.400	1998 15,200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003 14.600	2004 14.600	2005 14.700	2006 14.200	2007 14.500	2008 14.000	2009 13.700	<u>change</u>
Total	27.8	29.9	31.2	33.5	34.0	36.5	35.1	34.6	31.4	29.5	26.7	24.4	25.0	23.2	21.6	21.6	20.4	20.1	-0.3
Gender:	21.0	23.3	31.2	55.5	34.0	30.3	55.1	34.0	31.4	23.3	20.7	24.4	23.0	25.2	21.0	21.0	20.4	20.1	-0.5
Male	29.2	30.7	32.9	34.5	34.9	37.3	36.3	35.4	32.8	29.7	27.4	26.2	25.3	24.8	22.4	23.1	21.5	22.1	+0.6
Female	26.1	28.7	29.2	32.0	32.4	35.2	33.3	33.5	29.7	28.7	25.5	22.1	24.1	20.7	20.1	19.6	19.1	17.6	-1.5
College Plans:	20.1	20.7	20.2	32.0	52.4	55.2	55.5	55.5	20.7	20.7	20.0	22.1	24.1	20.7	20.1	13.0	13.1	17.0	1.0
None or under 4 years	38.6	37.3	40.9	43.5	45.0	45.7	46.7	44.9	43.6	40.8	37.5	36.2	36.8	34.8	32.9	32.4	32.4	31.2	-1.2
Complete 4 years	23.8	27.3	28.0	29.9	30.8	33.1	31.3	31.4	27.3	25.9	23.6	20.8	21.6	20.0	18.6	19.0	17.6	17.3	-0.3
Region:	20.0	20	20.0	20.0	00.0	00	01.0	0	27.0	20.0	20.0	20.0	20	20.0	.0.0				0.0
Northeast	29.6	34.2	33.2	34.4	38.5	40.6	35.9	34.2	33.1	30.3	27.3	25.0	25.9	22.0	23.1	23.8	19.7	18.9	-0.8
Midwest	31.7	33.2	36.2	37.8	37.7	39.3	40.0	37.8	35.6	35.9	31.7	27.3	28.3	26.8	23.6	24.7	22.1	25.7	+3.6
South	26.4	29.0	30.7	33.5	33.2	35.0	34.3	36.2	29.6	25.9	27.2	24.3	24.6	24.6	23.2	21.9	22.4	20.0	-2.5
West	22.8	22.9	24.0	26.5	24.4	30.5	29.1	27.6	28.1	25.2	19.4	20.7	20.1	17.5	15.0	15.8	15.8	14.7	-1.1
Population Density:																			
Large MSA	25.6	29.5	29.0	33.9	32.1	34.9	32.9	30.0	27.4	27.3	24.8	18.9	20.8	20.8	20.7	19.9	18.8	17.7	-1.1
Other MSA	26.9	29.8	31.1	31.7	32.6	35.7	34.2	35.0	31.5	28.2	26.2	25.1	26.3	22.6	20.3	20.8	19.5	19.1	-0.3
Non-MSA	31.5	30.3	33.8	36.2	38.2	40.0	39.7	38.7	36.3	34.3	30.1	30.4	27.6	27.4	25.3	25.9	24.3	25.5	+1.2
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	27.1	26.5	26.2	31.2	31.5	31.2	32.3	33.0	31.3	24.8	20.9	23.5	21.0	19.1	21.1	20.5	18.5	19.9	+1.4
2.5–3.0	30.3	30.4	32.8	35.0	35.5	36.5	36.0	37.3	32.2	31.5	28.9	27.0	28.7	27.3	24.7	24.7	22.4	23.2	+0.9
3.5–4.0	27.8	29.9	31.4	33.2	33.2	35.6	36.7	35.0	32.8	30.3	28.6	24.3	26.3	24.8	22.9	21.6	21.3	21.0	-0.4
4.5–5.0	25.8	30.1	32.0	32.6	34.5	37.5	34.2	32.4	30.2	29.3	25.0	22.6	23.8	21.8	19.2	20.5	18.6	18.0	-0.7
5.5–6.0 (High)	25.5	30.5	30.4	34.0	32.9	38.5	33.1	34.4	27.4	25.0	25.3	21.0	19.9	18.0	17.4	18.4	19.2	15.3	-3.9 s
Race/Ethnicity (2-year average):b																			
White	31.8	33.2	35.2	36.6	38.1	40.7	41.7	40.1	37.9	35.3	32.5	29.4	28.2	27.6	25.9	24.9	24.7	23.9	-0.8
African American	8.7	9.5	10.9	12.9	14.2	14.3	14.9	14.9	14.3	13.3	12.1	10.0	10.1	10.7	10.5	10.8	10.3	9.8	-0.6
Hispanic	25.0	24.2	23.6	25.1	25.4	25.9	26.6	27.3	27.7	23.8	21.3	19.0	18.5	17.1	16.0	15.3	15.0	15.7	+0.7

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-102 Cigarettes: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 8</u>

								Percent	age who	used da	ily in last	30 days								2008-
	1001	1000	1993	1994	1995	1996	1997	1000	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change
Approximate wtd. N =	1991 17.500	1992 18.600	18.300	17.300	17.500	17.800	18.600	<u>1998</u> 18.100	16.700	2000 16.700	2001 16.200	<u>2002</u> 15.100	2003 16.500	<u>2004</u> 17.000	<u>2005</u> 16.800	16.500	<u>2007</u> 16.100	<u>2006</u> 15.700	2009 15,000	
Total	7.2	7.0	8.3	8.8	9.3	10.4	9.0	8.8	8.1	7.4	5.5	5.1	4.5	4.4	4.0	4.0	3.0	3.1	2.7	-0.4
Gender:																				
Male	8.1	6.9	8.8	9.5	9.2	10.5	9.0	8.1	7.4	7.0	5.9	5.4	4.4	4.3	3.9	4.0	3.4	3.2	2.9	-0.3
Female	6.2	7.2	7.8	8.0	9.2	10.1	8.7	9.0	8.4	7.5	4.9	4.9	4.5	4.3	4.0	3.8	2.6	2.9	2.3	-0.6
College Plans:																				
None or under 4 years	18.5	20.1	21.5	22.6	22.5	26.0	25.4	25.2	25.2	21.7	17.7	17.1	16.1	15.4	14.4	13.2	12.3	10.8	10.9	+0.1
Complete 4 years	5.3	5.1	6.4	6.8	7.5	8.0	6.9	6.6	5.9	5.6	3.9	3.9	3.2	3.1	2.9	2.9	2.2	2.3	1.9	-0.4
Region:																				
Northeast	7.2	7.1	7.1	8.6	9.2	11.0	8.8	6.1	7.2	6.9	6.1	3.7	2.9	3.3	3.2	3.0	1.7	2.4	2.1	-0.3
Midwest	7.8	7.6	8.5	9.4	11.0	12.4	10.3	11.2	11.5	9.0	6.4	5.7	5.5	5.7	4.8	4.7	3.8	3.9	3.0	-0.9
South	7.9	7.8	9.3	9.4	9.4	10.4	9.5	10.2	8.5	7.8	6.1	6.6	5.7	4.7	5.0	5.3	3.8	3.7	3.2	-0.5
West	4.6	4.8	7.4	7.4	7.0	7.5	6.8	5.8	3.8	4.9	2.6	2.9	2.4	3.3	2.4	1.8	1.9	2.0	2.0	+0.1
Population Density:																				
Large MSA	6.3	6.3	5.7	6.6	7.6	9.5	7.0	6.7	5.4	5.6	4.1	3.2	3.0	3.5	2.3	2.3	1.6	2.2	1.6	-0.6
Other MSA	7.7	7.2	9.1	9.5	9.3	10.2	8.7	7.9	7.4	6.3	5.4	5.1	4.3	4.1	4.1	4.1	3.1	3.3	3.0	-0.3
Non-MSA	7.3	7.8	10.1	9.6	11.1	11.8	11.7	12.7	12.7	11.8	7.2	7.6	7.0	5.9	6.2	6.3	5.0	4.2	3.7	-0.5
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	15.9	11.9	12.7	13.0	15.8	13.6	14.3	13.0	14.7	13.1	11.1	10.6	9.1	10.1	7.8	7.3	5.5	5.4	6.2	+0.8
2.5–3.0	8.6	8.4	9.7	11.3	11.3	14.0	11.7	12.0	11.4	11.3	7.5	7.1	6.6	5.6	6.3	6.6	4.9	4.4	3.4	-1.0
3.5–4.0	6.5	6.9	8.5	8.9	9.4	10.1	9.2	9.7	8.1	6.7	5.1	5.4	4.4	4.2	4.3	3.8	3.6	3.0	2.5	-0.6
4.5–5.0	4.0	5.2	5.9	6.1	7.2	7.6	6.8	5.7	4.6	3.9	3.0	3.3	2.6	2.8	2.2	2.1	1.5	1.9	1.8	-0.1
5.5-6.0 (High)	4.9	4.2	6.3	5.8	5.7	7.4	5.5	5.2	5.1	4.1	3.1	2.1	2.1	1.9	1.4	1.8	0.7	1.9	1.4	-0.5
Race/Ethnicity (2-year average).b																				
White	_	7.7	8.8	9.7	10.5	11.7	11.4	10.4	9.7	9.0	7.5	6.0	5.3	4.7	4.6	4.6	3.9	3.3	3.2	-0.1
African American	_	1.4	1.8	2.6	2.8	3.2	3.7	3.8	3.8	3.2	2.8	2.8	2.9	2.7	2.1	1.9	2.1	1.9	2.0	+0.1
Hispanic	_	7.3	7.2	9.0	9.2	8.0	8.1	8.4	8.5	7.1	5.0	4.4	3.7	3.5	3.1	2.8	2.8	2.5	2.2	-0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-103
Cigarettes: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 10</u>

2008-

								Percent	age who	used da	ily in last	30 days								2008–	2009 adjusted
Approximate wtd. N =	<u>1991</u> = <i>14,800</i>	<u>1992</u> 14,800	<u>1993</u> 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	<u>1999</u> 13,600	2000 14,300	2001 14,000	2002 14,300	2003 15,800	2004 16,400	2005 16,200	2006 16,200	<u>2007</u> 16,100	2008 15,100	2009 15,900	change	change
Total	12.6	12.3	14.2	14.6	16.3	18.3	18.0	15.8	15.9	14.0	12.2	10.1	8.9	8.3	7.5	7.6	7.2	5.9	6.3	+0.4	[+0.6]
Gender:																					
Male	12.4	12.1	13.8	15.2	16.3	18.1	17.2	14.7	15.6	13.7	12.4	9.4	8.6	8.2	7.2	6.9	7.7	6.2	6.9	+0.7	
Female	12.5	12.4	14.3	13.7	16.1	18.6	18.5	16.8	15.9	14.1	11.9	10.8	9.0	8.2	7.7	8.1	6.6	5.5	5.6	+0.1	
College Plans:																					
None or under 4 years	25.7	25.5	28.9	28.9	32.7	34.3	35.4	31.7	32.1	28.8	27.3	22.9	22.1	21.4	19.2	21.7	18.9	17.9	17.3	-0.6	
Complete 4 years	9.6	9.5	11.0	11.5	13.3	15.5	15.0	12.9	13.2	11.6	9.6	7.9	6.7	6.4	5.9	5.6	5.6	4.3	5.0	+0.8	
Region:																					
Northeast	14.3	13.1	16.3	14.1	15.8	18.8	18.0	18.7	17.7	14.1	11.0	8.3	8.6	8.5	7.6	6.2	6.8	5.3	5.3	+0.1	
Midwest	14.3	14.3	15.1	16.9	17.6	20.6	19.5	17.3	19.6	16.3	13.2	11.5	10.2	7.4	8.6	10.3	10.0	7.6	5.8	-1.8	
South	12.8	11.4	13.9	15.5	19.3	20.5	20.5	17.1	16.3	15.7	14.3	11.3	10.1	11.0	8.8	8.4	7.2	6.9	8.5	+1.6	
West	9.1	10.7	10.9	9.7	9.4	10.7	11.1	8.8	9.1	7.8	7.0	7.8	6.0	5.2	4.0	4.2	4.7	3.4	4.3	+0.9	
Population Density:																					
Large MSA	12.3	11.7	12.3	12.0	12.6	15.3	15.7	12.2	13.2	13.8	9.6	7.4	6.1	5.6	5.5	5.4	5.7	4.3	5.2	+0.8	
Other MSA	11.7	11.6	13.6	15.5	17.5	18.8	16.9	15.1	15.5	12.1	11.6	10.4	8.7	8.1	7.0	6.7	7.2	6.2	6.0	-0.2	
Non-MSA	14.3	14.5	16.9	15.5	18.4	20.8	22.5	21.1	19.7	17.5	16.3	13.1	13.7	12.3	11.4	13.2	9.6	7.5	8.5	+1.0	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	16.0	17.8	19.3	15.5	20.0	19.3	17.7	17.4	20.1	18.9	12.9	14.1	15.3	11.4	9.9	12.5	9.8	7.6	9.4	+1.8	
2.5-3.0	15.5	13.9	16.9	17.6	21.6	23.1	22.1	21.3	19.1	17.6	16.2	14.7	12.7	11.5	11.1	11.9	10.8	8.7	8.7	0.0	
3.5-4.0	12.0	11.8	13.6	15.9	17.0	19.4	18.9	14.9	16.6	14.2	12.2	10.0	8.8	9.3	7.9	7.8	7.2	6.7	6.7	0.0	
4.5–5.0	10.6	10.5	10.7	11.5	12.6	14.8	15.6	12.9	13.0	11.5	9.7	6.8	5.8	5.4	5.2	4.4	5.5	3.8	4.6	+0.9	
5.5-6.0 (High)	9.6	9.0	10.5	9.6	10.3	13.6	12.0	11.1	11.2	9.8	8.3	6.4	4.5	4.2	4.4	4.3	3.5	3.0	3.5	+0.5	
Race/Ethnicity (2-year average).b																					
White	_	14.5	15.3	16.5	17.6	20.0	21.4	20.3	19.1	17.7	15.5	13.3	11.4	10.0	9.1	8.7	8.8	8.0	7.1	-0.8	
African American	_	2.8	3.1	3.8	4.7	5.1	5.6	5.8	5.3	5.2	5.2	5.0	4.3	4.4	3.9	3.3	3.2	3.0	3.2	+0.3	
Hispanic Source. The Monitoring the Future st	_	8.4	8.9	8.1	9.9	11.6	10.8	9.4	9.1	8.8	7.4	6.4	6.0	6.0	5.9	5.3	3.8	3.8	4.5	+0.7	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-104 Cigarettes: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

Percentage who used daily in last 30 days

							1 CICCIII	age will	uscu uai	iy iii iast	oo aayo						
Approximate wtd. N =	<u>1975</u> 9,400	<u>1976</u> 15,400	<u>1977</u> 17, 100	<u>1978</u> 17,800	<u>1979</u> 15,500	<u>1980</u> 15,900	<u>1981</u> 17,500	<u>1982</u> 17,700	1983 16,300	<u>1984</u> 15,900	<u>1985</u> 16,000	<u>1986</u> 15,200	1987 16,300	1988 16,300	1989 16,700	<u>1990</u> 15,200	<u>1991</u> 15,000
Total	26.9	28.8	28.8	27.5	25.4	21.3	20.3	21.1	21.2	18.7	19.5	18.7	18.7	18.1	18.9	19.1	18.5
Gender:																	
Male	26.9	28.0	27.1	26.0	22.3	18.5	18.1	18.2	19.2	16.0	17.8	16.9	16.4	17.4	17.9	18.6	18.8
Female	26.4	28.8	30.0	28.3	27.8	23.5	21.7	23.2	22.2	20.5	20.6	19.8	20.6	18.1	19.4	19.3	17.9
College Plans:																	
None or under 4 years	_	36.5	37.2	35.2	33.8	29.7	29.3	29.5	29.3	27.2	29.6	28.2	29.0	27.4	27.9	28.3	28.4
Complete 4 years	_	19.8	19.3	18.3	17.0	13.8	12.9	13.2	13.8	11.9	12.4	12.8	13.3	13.4	14.6	14.7	14.1
Region:																	
Northeast	31.4	32.3	33.8	32.5	28.6	24.1	23.3	23.4	26.1	23.6	24.9	24.9	24.8	21.4	21.3	22.8	20.9
Midwest	28.6	30.2	29.4	28.6	27.0	22.0	23.0	24.0	23.4	20.4	22.4	19.9	20.3	19.0	23.0	22.2	23.0
South	26.2	29.1	28.7	26.4	25.8	22.6	19.1	20.2	19.4	17.7	16.0	15.8	15.7	17.7	17.1	16.5	16.4
West	17.3	19.4	19.2	19.1	17.0	14.0	13.1	12.7	13.0	12.4	14.2	13.4	14.9	14.0	13.8	14.8	13.9
Population Density:																	
Large MSA	30.8	30.4	30.9	29.2	24.5	21.6	21.9	23.5	22.1	21.5	21.9	20.6	20.3	18.0	16.7	19.0	16.7
Other MSA	25.6	27.1	27.2	25.7	25.0	21.3	19.0	19.3	20.2	17.4	17.7	17.0	17.6	17.7	19.0	19.0	19.0
Non-MSA	25.8	29.5	29.1	28.7	26.5	21.2	20.7	21.3	21.7	18.2	19.9	19.8	19.3	18.8	20.9	19.5	19.0
Parental Education: <sup>a</sup>																	
1.0–2.0 (Low)	27.2	32.7	29.6	28.6	29.1	23.7	24.1	24.6	24.0	23.2	22.7	20.4	19.7	19.2	17.1	16.7	21.2
2.5–3.0	27.2	31.3	31.5	30.3	26.5	24.7	22.5	23.1	23.2	21.5	21.8	21.4	21.1	19.6	21.5	21.0	19.8
3.5-4.0	22.1	25.8	28.1	24.8	24.5	19.4	19.0	19.7	18.8	16.4	19.3	19.4	17.8	17.5	19.0	19.3	18.5
4.5–5.0	22.9	24.5	23.7	23.2	21.2	16.6	16.1	16.8	17.5	14.1	16.0	13.9	16.5	16.5	17.2	18.3	16.2
5.5-6.0 (High)	17.4	22.8	21.7	22.8	20.6	15.0	13.9	14.5	17.2	14.1	11.2	13.6	16.6	15.1	15.8	16.5	16.1
Race/Ethnicity (2-year average): <sup>b</sup>																	
White	_	_	28.9	28.3	26.9	23.9	21.4	21.6	22.1	21.0	20.4	20.6	20.5	20.6	21.1	21.8	21.5
African American	_	_	24.9	22.7	20.9	17.4	14.6	13.1	12.5	10.7	9.9	9.4	7.9	7.3	6.4	5.8	5.1
Hispanic	_	_	22.6	20.4	15.8	12.8	13.6	14.3	14.9	13.9	11.8	11.3	11.0	10.9	10.8	10.9	11.5



TABLE D-104 (cont.)
Cigarettes: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

							Per	centage	who used	d daily in	last 30 c	lays							2008-
	1000	4000	4004	4005	4000	4007	4000	4000	0000	0004	0000	0000	0004	0005	0000	0007	0000	0000	2009
Approximate wtd. N =	1992	1993 16.300	<u>1994</u> 15.400	<u>1995</u> 15.400	1996 14.300	<u>1997</u> 15.400	1998 15.200	1999 13.600	2000 12.800	2001 12.800	2002 12.900	2003 14.600	2004 14.600	2005 14.700	2006 14.200	2007 14.500	2008 14.000	2009 13.700	<u>change</u>
Total	17.2	19.0	19.4	21.6	22.2	24.6	22.4	23.1	20.6	19.0	16.9	15.8	15.6	13.6	12.2	12.3	11.4	11.2	-0.2
Gender:	17.2	19.0	19.4	21.0	22.2	24.0	22.4	23.1	20.6	19.0	16.9	15.6	15.6	13.0	12.2	12.3	11.4	11.2	-0.2
Male	17.2	19.4	20.4	21.7	22.2	24.8	22.7	23.6	20.9	18.4	17.2	17.0	15.4	14.6	12.0	13.0	12.0	11.8	-0.2
	16.7	18.2			21.8			22.2		18.9	16.1			11.9	11.8	11.2	10.6	9.9	
Female	16.7	10.2	18.1	20.8	21.0	23.6	21.5	22.2	19.7	10.9	10.1	14.0	15.0	11.9	11.0	11.2	10.6	9.9	-0.6
College Plans:	00.4	07.0	00.0	22.7	22.0	25.0	04.0	34.2	24.7	20.4	27.6	07.0	00.0	24.9	00.0	22.5	04.4	20.0	0.4
None or under 4 years	28.1 12.9	27.8 15.9	29.8	33.7	33.2 18.9	35.6	34.6 18.4	19.5	31.7 16.6	30.1 15.5	13.8	27.9 12.1	26.9	10.5	22.8 9.4		21.1 9.0	20.9 8.6	-0.1 -0.3
Complete 4 years	12.9	15.9	15.7	17.4	10.9	20.6	10.4	19.5	10.0	15.5	13.0	12.1	12.2	10.5	9.4	9.9	9.0	0.0	-0.3
Region: Northeast	40.4	00.5	04.0	00.5	27.0	00.4	00.4	00.0	00.0	21.9	40.4	40.4	40.0	40.0	14.3	440	11.3	40.0	0.5
	19.4	23.5	21.3	22.5		29.4	23.4	23.2	22.8		18.4	16.4	16.2	13.3		14.3		10.8	-0.5
Midwest	19.0	21.3	23.8	25.7	26.1	28.0	27.8	25.9	23.6	25.2	22.5	18.2	18.5	16.3	13.2	14.5	12.9	15.4	+2.5
South	16.7	18.5	19.3	21.7	20.5	22.6	21.8	24.2	19.4	15.5	16.6	16.3	15.8	15.4	13.3	12.9	13.1	11.4	-1.7
West	13.3	13.0	12.4	14.5	13.8	17.5	15.5	17.3	16.9	13.4	9.5	11.8	10.1	7.6	7.0	7.4	7.0	5.9	-1.1
Population Density:																			
Large MSA	16.6	17.3	17.7	21.3	20.7	23.7	20.6	18.6	16.7	17.4	15.0	11.5	12.6	11.4	10.3	10.3	8.9	8.6	-0.3
Other MSA	15.9	19.7	19.2	19.9	21.9	23.9	21.2	22.8	21.1	17.5	16.7	15.9	16.1	12.7	11.5	11.7	11.2	11.0	-0.2
Non-MSA	20.3	19.2	21.6	24.8	24.1	26.8	27.2	28.5	24.5	23.9	19.8	21.4	18.0	18.2	16.2	16.6	14.8	15.1	+0.3
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	16.5	17.6	16.9	21.3	21.1	21.9	21.7	23.8	22.8	16.4	12.4	15.1	14.2	11.7	11.4	14.6	11.9	11.2	-0.6
2.5–3.0	20.4	20.2	22.4	24.6	24.4	26.0	24.7	26.9	22.9	21.9	19.8	18.3	19.4	18.3	16.1	15.1	13.4	14.7	+1.3
3.5-4.0	16.9	18.9	18.9	21.6	21.2	23.8	23.8	23.6	21.2	19.9	19.1	16.5	16.3	14.4	12.3	12.3	12.5	11.5	-1.0
4.5–5.0	15.0	18.9	18.7	19.7	22.4	24.9	20.6	20.6	18.6	17.9	14.1	13.0	13.7	11.7	10.4	11.2	9.0	9.0	+0.1
5.5-6.0 (High)	12.8	16.6	17.3	18.5	20.0	22.9	17.4	19.0	15.2	13.4	14.3	11.3	10.3	8.1	8.3	7.4	9.1	5.8	-3.3 s
Race/Ethnicity (2-year average):b																			
White	20.5	21.4	22.9	23.9	25.4	27.8	28.3	26.9	25.7	23.8	21.8	19.5	18.3	17.1	15.3	14.5	14.3	13.9	-0.4
African American	4.2	4.1	4.9	6.1	7.0	7.2	7.4	7.7	8.0	7.5	6.4	5.4	5.2	5.6	5.7	5.8	5.8	5.4	-0.3
Hispanic	12.5	11.8	10.6	11.6	12.9	14.0	13.6	14.0	15.7	12.0	9.2	8.0	8.2	7.7	7.0	6.6	6.7	6.4	-0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-105
Cigarettes: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Subgroups in Grade 8

							Percenta	ge who ι	used half	pack a	day or m	ore in las	st 30 day	s						2008-
	1991	1992	1993	1994	1005	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009
Approximate wtd.		18,600	18,300	17,300	<u>1995</u> 17,500	17,800	18,600	18,100	16,700	16,700	16,200	2002 15,100	<u>2003</u> 16,500	<u>2004</u> 17,000	16,800	16,500	16,100	<u>2006</u> 15,700	15,000	<u>change</u>
Total	3.1	2.9	3.5	3.6	3.4	4.3	3.5	3.6	3.3	2.8	2.3	2.1	1.8	1.7	1.7	1.5	1.1	1.2	1.0	-0.2
Gender:																				
Male	3.7	3.1	4.3	4.2	3.7	4.7	3.7	3.5	3.1	2.8	2.6	2.4	1.8	1.7	2.0	1.7	1.3	1.4	1.2	-0.2
Female	2.4	2.7	2.7	2.9	3.2	3.7	3.1	3.3	3.3	2.6	2.0	1.9	1.7	1.7	1.3	1.3	0.8	0.9	0.7	-0.2
College Plans:																				
None or under 4 years	10.1	10.8	11.9	11.7	11.4	13.5	11.6	13.8	13.4	10.3	9.8	8.4	7.5	7.4	7.7	5.8	4.7	4.7	4.7	0.0
Complete 4 years	1.9	1.7	2.2	2.4	2.3	2.8	2.4	2.2	2.0	1.8	1.4	1.5	1.2	1.1	1.0	1.1	0.7	0.8	0.6	-0.2
Region:																				
Northeast	3.3	2.8	2.7	3.7	3.7	4.1	3.7	2.1	3.1	3.3	2.6	1.7	1.0	1.4	1.4	1.2	0.8	0.9	0.8	-0.1
Midwest	3.3	3.2	3.5	3.9	4.4	5.3	4.1	4.6	5.7	3.4	3.1	2.7	2.1	2.3	2.2	1.9	1.2	1.6	1.1	-0.5
South	3.4	3.3	4.6	3.9	3.6	4.5	3.7	4.8	2.9	2.8	2.7	2.5	2.6	1.8	1.9	2.1	1.3	1.3	1.1	-0.2
West	1.9	2.0	2.2	2.6	1.8	2.7	2.2	1.6	1.2	1.3	0.7	0.9	0.8	1.2	0.9	0.6	0.9	0.6	0.7	+0.1
Population Density:																				
Large MSA	2.4	2.3	2.1	3.0	2.5	3.7	2.7	2.3	1.8	2.1	1.5	1.3	1.0	1.3	1.0	0.9	0.7	0.7	0.5	-0.2
Other MSA	3.3	3.2	3.7	3.9	3.6	3.8	3.2	3.2	2.8	2.2	2.1	2.2	1.7	1.6	1.5	1.6	1.1	1.3	1.1	-0.1
Non-MSA	3.4	3.3	5.0	3.7	4.3	5.8	4.8	5.6	5.9	4.6	3.9	3.1	3.1	2.4	2.9	2.3	1.7	1.6	1.3	-0.3
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	7.9	6.5	6.4	5.1	8.2	6.5	6.4	6.2	6.2	7.1	5.2	4.6	3.7	5.6	2.9	3.6	1.9	2.5	2.6	+0.1
2.5-3.0	3.7	3.4	3.9	4.9	4.1	6.4	4.8	5.2	4.8	3.8	3.6	2.8	2.9	2.1	2.8	2.4	2.0	1.5	1.2	-0.2
3.5-4.0	2.5	2.6	3.6	3.4	3.6	3.2	3.5	3.7	3.4	2.3	2.0	2.2	1.8	1.5	1.9	1.3	1.3	1.0	8.0	-0.2
4.5-5.0	1.6	1.8	2.3	2.6	2.0	2.8	2.2	2.0	1.5	1.4	0.9	1.2	0.7	0.8	0.6	1.0	0.5	0.7	0.4	-0.2
5.5-6.0 (High)	1.8	1.5	2.2	2.2	1.5	2.7	1.8	2.1	1.8	1.5	1.4	1.1	0.9	0.6	0.5	0.6	0.2	0.9	0.7	-0.2
Race/Ethnicity (2-year average	e).b																			
White	_	3.3	3.8	4.2	4.2	4.6	4.6	4.2	4.0	3.6	3.2	2.8	2.3	1.9	1.9	1.9	1.5	1.2	1.2	-0.1
African American	_	0.4	0.7	1.0	0.9	1.3	1.4	1.2	1.3	1.0	1.1	1.1	1.2	1.1	0.9	0.8	0.9	0.8	8.0	0.0
Hispanic	_	2.7	2.5	3.1	3.3	2.7	2.4	2.8	3.0	2.3	1.4	1.3	1.5	1.4	1.1	0.7	0.9	0.9	0.7	-0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-106
Cigarettes: Trends in 30-Day Prevalence of Use of <u>Half Pack a Day</u> or More by Subgroups in <u>Grade 10</u>

2008-

							Percenta	ge who ı	used half	pack a	day or m	ore in las	st 30 days	S						2008-	2008–
Approximate wtd. N =	<u>1991</u> 14,800	<u>1992</u> 14,800	<u>1993</u> 15,300	<u>1994</u> 15,800	<u>1995</u> 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	<u>1998</u> 15,000	<u>1999</u> 13,600	2000 14,300	2001 14,000	2002 14,300	<u>2003</u> 15,800	<u>2004</u> 16,400	2005 16,200	2006 16,200	2007 16,100	2008 15,100	<u>2009</u> 15,900	2009 change	adjusted <u>change</u>
Total	6.5	6.0	7.0	7.6	8.3	9.4	8.6	7.9	7.6	6.2	5.5	4.4	4.1	3.3	3.1	3.3	2.7	2.0	2.4	+0.4	[+0.4]
Gender:																					
Male	6.9	6.5	7.8	8.2	8.7	9.9	8.9	8.1	7.8	6.7	6.0	4.1	4.3	3.5	2.9	3.1	2.9	2.4	2.7	+0.3	
Female	6.0	5.1	6.2	6.7	7.7	9.0	8.2	7.8	7.3	5.6	5.1	4.6	3.8	2.9	3.2	3.3	2.5	1.7	2.0	+0.3	
College Plans:																					
None or under 4 years	15.9	15.3	18.5	18.5	20.9	22.4	22.0	20.6	18.9	16.0	16.0	11.5	12.3	10.8	9.4	12.0	8.1	7.8	8.6	+0.8	
Complete 4 years	4.4	4.0	4.6	5.2	6.1	7.1	6.3	5.6	5.7	4.5	3.8	3.1	2.8	2.2	2.2	2.1	2.0	1.3	1.7	+0.4	
Region:																					
Northeast	7.8	5.9	8.5	7.8	7.7	9.1	8.8	10.0	9.1	6.0	5.0	3.7	4.6	3.6	3.4	3.2	2.5	1.2	2.2	+1.0	
Midwest	7.1	7.3	7.7	8.3	9.5	10.9	9.3	9.1	9.9	8.1	6.0	4.8	5.0	3.0	3.3	4.5	4.2	3.3	2.7	-0.6	
South	7.2	5.5	7.1	8.7	10.3	11.0	10.2	8.9	7.8	7.1	6.5	5.5	4.5	4.3	3.7	3.6	2.8	2.6	3.2	+0.6	
West	4.0	5.0	4.3	4.2	3.4	5.0	4.4	3.0	3.0	2.2	3.3	2.5	2.3	1.8	1.7	1.3	1.3	0.7	1.0	+0.3	
Population Density:																					
Large MSA	6.9	5.2	5.9	5.8	6.0	7.6	6.6	5.8	6.0	5.7	4.8	3.0	2.3	1.9	2.3	1.8	2.0	1.1	1.6	+0.5	
Other MSA	5.8	5.8	6.7	8.5	9.2	9.5	8.0	7.7	7.6	5.6	5.0	4.7	4.0	3.3	2.6	3.0	2.7	2.2	2.3	+0.2	
Non-MSA	7.6	6.9	8.7	7.8	9.2	11.5	12.0	11.0	9.4	7.8	7.5	5.7	7.3	5.2	5.4	6.3	4.0	3.1	3.7	+0.6	
Parental Education. <sup>a</sup>																					
1.0–2.0 (Low)	9.9	10.7	10.8	8.1	12.0	12.1	10.8	9.0	11.3	10.7	7.6	7.4	8.6	6.6	4.6	7.1	4.9	3.4	4.8	+1.4	
2.5–3.0	8.9	6.9	8.5	10.1	12.2	13.1	11.4	11.6	10.4	8.5	8.3	7.0	6.3	5.3	4.9	5.6	4.5	3.2	3.7	+0.5	
3.5–4.0	5.8	5.4	7.3	8.0	8.6	10.2	8.8	7.4	7.4	5.9	5.3	4.0	4.2	3.8	3.2	3.1	2.6	2.4	2.4	0.0	
4.5–5.0	4.7	4.7	4.3	5.4	5.0	6.2	6.5	5.9	5.5	4.3	3.9	2.4	2.2	1.4	1.8	1.5	1.6	1.1	1.4	+0.4	
5.5-6.0 (High)	4.5	3.7	3.9	4.0	4.0	5.7	4.8	5.4	4.5	3.6	2.6	2.0	1.4	1.0	1.6	1.6	1.2	0.7	1.1	+0.4	
Race/Ethnicity (2-year average).b																					
White	_	7.4	7.7	8.6	9.3	10.5	11.0	10.4	9.9	8.5	7.1	6.2	5.5	4.7	3.9	3.8	3.8	3.2	2.8	-0.4	
African American	_	0.8	0.6	1.2	1.8	1.6	1.7	1.8	1.5	1.9	1.7	1.2	1.0	1.0	1.2	1.3	1.2	0.9	1.1	+0.2	
Hispanic	_	3.0	3.0	2.6	3.4	4.3	3.3	3.0	3.1	2.9	2.7	2.2	1.8	1.5	1.9	2.0	1.0	0.9	1.1	+0.2	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

**TABLE D-107** Cigarettes: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Subgroups in Grade 12

_					I	Percenta	ge who ι	ised half	pack a c	lay or mo	ore in last	t 30 days	3					
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	
Approximate wtd. N =		15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	
Total	17.9	19.2	19.4	18.8	16.5	14.3	13.5	14.2	13.8	12.3	12.5	11.4	11.4	10.6	11.2	11.3	10.7	
Gender:																		
Male	19.6	19.9	19.7	18.9	15.4	13.5	12.8	13.1	13.1	11.0	12.3	10.7	10.1	11.1	11.2	11.6	11.6	
Female	16.1	18.0	18.9	18.0	17.1	14.7	13.8	14.7	13.6	12.8	12.0	11.6	12.5	9.7	10.7	10.8	9.5	
College Plans:																		
None or under 4 years	_	25.5	26.9	25.5	23.3	21.2	20.8	21.0	20.9	19.6	20.7	19.2	19.5	18.4	18.6	19.2	18.7	
Complete 4 years	_	11.9	11.2	11.1	9.8	8.2	7.5	7.8	7.6	6.5	6.5	6.4	7.2	6.8	7.5	7.5	7.1	
Region:																		
Northeast	22.0	22.5	24.2	23.6	19.8	17.0	16.6	15.6	16.6	17.4	17.0	15.6	16.5	13.1	13.6	13.8	12.9	
Midwest	18.8	20.3	20.3	19.8	17.4	15.4	16.0	17.3	17.1	13.0	14.9	12.3	12.3	11.5	14.2	13.7	14.1	
South	16.8	19.0	18.5	17.0	16.1	14.5	12.0	13.3	12.4	11.3	9.7	10.0	9.4	10.1	9.7	9.4	8.9	
West	11.3	12.4	11.5	12.2	10.8	8.3	7.3	7.1	6.4	7.4	7.6	6.5	8.1	7.7	6.9	8.3	7.2	
Population Density:																		
Large MSA	21.7	20.1	20.4	19.7	16.2	14.8	15.4	15.9	14.1	14.8	14.4	12.2	13.1	10.8	10.1	11.2	10.2	
Other MSA	17.4	18.9	18.8	17.9	16.5	13.8	12.4	12.9	13.5	11.4	11.0	9.6	10.0	10.4	11.2	11.0	10.7	
Non-MSA	15.9	19.0	19.5	19.3	16.7	14.7	13.6	14.2	14.0	11.5	12.9	13.3	12.5	10.7	12.1	12.1	11.1	
Parental Education: <sup>a</sup>																		
1.0-2.0 (Low)	18.6	21.3	20.0	19.2	19.5	16.3	16.0	17.1	17.1	16.4	16.1	15.6	13.8	11.2	11.5	10.2	12.5	
2.5–3.0	17.7	21.4	22.2	21.0	17.6	16.8	15.6	15.9	15.2	14.8	14.2	13.3	13.9	12.4	13.5	13.4	12.4	
3.5-4.0	13.9	17.4	18.3	16.9	15.2	12.8	12.5	13.3	11.9	10.5	12.0	11.0	10.5	10.3	10.7	11.6	10.7	
4.5–5.0	15.9	15.9	14.8	15.4	12.6	10.3	10.1	10.1	10.5	8.0	9.5	6.8	8.9	8.6	9.2	10.2	7.9	
5.5-6.0 (High)	9.1	15.9	14.6	14.5	13.6	9.8	8.8	9.3	9.3	7.9	5.4	7.4	8.4	8.3	8.4	7.9	9.0	
Race/Ethnicity (2-year average): <sup>b</sup>																		
White	_	_	20.3	20.2	18.6	16.4	15.0	15.1	15.2	14.2	13.6	13.1	12.9	12.9	12.9	13.3	13.1	
African American	_	_	10.7	9.7	9.1	7.1	5.8	5.4	4.9	4.1	3.9	3.6	2.9	2.3	1.9	1.8	1.8	
Hispanic	_	_	11.3	9.0	6.4	5.6	6.1	5.6	5.9	6.1	5.3	5.0	4.1	3.5	4.2	4.2	4.0	

TABLE D-107 (cont.)
Cigarettes: Trends in 30-Day Prevalence of Use of <u>Half Pack a Day</u> or More by Subgroups in <u>Grade 12</u>

						Perc	entage v	vho used	half pac	k a day c	r more ir	n last 30	days						2008-
																			2009
Ai	<u>1992</u>	1993	<u>1994</u>	1995	<u>1996</u>	<u>1997</u>	<u>1998</u>	1999	2000	2001	<u>2002</u>	<u>2003</u>	2004 14.600	<u>2005</u>	<u>2006</u>	<u>2007</u>	2008 14.000	<u>2009</u>	<u>change</u>
Approximate wtd. N =	,	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	,	14,700	14,200	14,500	,	13,700	0.4
Total	10.0	10.9	11.2	12.4	13.0	14.3	12.6	13.2	11.3	10.3	9.1	8.4	8.0	6.9	5.9	5.7	5.4	5.0	-0.4
Gender:	40.4	44.0	40.7	40.0	40.0	45.5	40.5	445	44.4	40.0	40.0	0.5	0.0	0.0	0.0	C 4	0.4	<i>- - - - - - - - - -</i>	0.7
Male	10.4	11.6	12.7	13.2	13.6	15.5	13.5	14.5	11.4	10.2	10.0	9.5	8.0	8.0	6.2	6.4	6.1	5.4	-0.7
Female	9.2	9.9	9.5	11.1	12.0	12.6	11.1	11.5	10.8	10.2	7.9	6.6	7.5	5.3	5.2	4.7	4.6	4.2	-0.4
College Plans:																			
None or under 4 years	19.1	18.7	19.6	22.6	23.1	23.5	23.7	23.2	20.3	19.3	17.5	17.2	16.0	15.2	13.0	12.5	11.9	11.2	-0.7
Complete 4 years	6.5	8.1	8.2	8.9	10.0	11.0	8.9	10.1	8.1	7.6	6.7	5.5	5.6	4.6	3.9	4.0	3.8	3.6	-0.2
Region:																			
Northeast	11.1	14.7	12.2	13.4	17.0	19.4	13.6	13.4	13.6	12.3	10.9	8.7	9.0	7.5	7.9	6.1	5.5	5.0	-0.4
Midwest	11.0	12.5	15.3	14.2	15.1	16.9	16.8	15.0	13.7	14.8	13.6	10.1	8.8	8.7	6.7	7.2	6.6	7.2	+0.7
South	10.2	10.4	10.8	12.6	12.0	12.3	11.8	13.9	10.6	7.6	8.6	8.9	8.9	7.6	6.0	6.4	6.5	5.3	-1.1
West	6.8	6.0	5.9	8.4	6.5	8.2	7.5	9.0	7.5	6.6	3.1	5.0	4.1	3.1	2.9	2.5	2.6	1.8	-0.8
Population Density:																			
Large MSA	9.9	9.1	10.2	12.3	11.6	12.8	11.0	9.6	8.2	9.4	7.6	5.4	6.0	5.2	4.8	4.2	3.4	3.8	+0.3
Other MSA	8.4	11.2	10.5	11.1	12.8	14.3	11.7	12.6	11.6	9.4	8.7	8.4	8.2	6.3	5.0	5.3	5.3	4.6	-0.6
Non-MSA	13.1	11.7	13.7	14.7	14.4	16.0	16.5	18.0	14.5	13.3	11.9	12.2	10.0	10.4	9.2	8.8	8.2	7.5	-0.7
Parental Education: <sup>a</sup>																			
1.0-2.0 (Low)	11.0	10.7	9.5	13.5	13.6	11.9	12.5	15.0	16.1	10.8	7.4	8.7	8.6	6.8	5.4	7.5	6.8	5.2	-1.5
2.5–3.0	12.7	12.5	13.7	15.1	14.8	16.4	14.9	16.6	13.8	12.5	12.0	10.5	10.9	10.0	8.4	7.6	6.9	7.2	+0.3
3.5-4.0	9.6	10.4	11.0	12.7	12.3	13.9	13.8	13.1	10.7	10.6	10.3	8.7	8.2	7.2	5.8	5.6	6.0	5.1	-0.9
4.5–5.0	8.1	10.0	10.4	9.8	12.6	14.5	10.3	10.7	9.3	9.2	6.8	5.7	6.1	5.1	4.6	4.7	3.7	3.6	-0.1
5.5-6.0 (High)	5.7	8.3	8.8	9.1	10.8	11.2	7.4	9.5	7.1	6.2	5.4	4.9	4.7	3.2	3.3	2.7	3.5	2.0	-1.4
Race/Ethnicity (2-year average): <sup>b</sup>																			
White	12.3	12.8	13.7	14.2	15.2	16.9	16.9	15.9	15.1	13.6	12.4	10.9	10.0	9.1	7.9	7.1	7.1	7.0	-0.1
African American	1.8	1.5	1.7	2.2	2.5	2.8	2.5	2.4	2.6	2.4	2.1	1.7	1.6	1.8	2.1	2.4	2.2	1.6	-0.6
Hispanic	4.6	4.5	4.0	4.1	5.3	5.8	5.2	5.8	7.0	5.3	3.8	3.0	2.9	2.9	2.6	2.5	2.1	1.6	-0.5

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-108
Smokeless Tobacco: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

								Perce	ntage w	ho used	in last 30	days								2008–
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change
Approximate wtd. N =		18,600				17,800	18,600	18,100		16,700			16,500	17,000	16,800	16,500	16,100	15,700	15,000	<u>onango</u>
Total	6.9	7.0	6.6	7.7	7.1	7.1	5.5	4.8	4.5	4.2	4.0	3.3	4.1	4.1	3.3	3.7	3.2	3.5	3.7	+0.3
Gender:																				
Male	12.7	12.5	10.9	12.8	11.8	11.4	9.9	8.1	6.9	6.7	6.9	5.4	6.7	6.4	5.3	5.3	4.7	5.5	6.3	+0.8
Female	1.4	2.0	2.7	2.4	2.9	2.9	1.5	1.5	2.1	1.8	1.4	1.3	1.8	1.7	1.5	2.1	1.7	1.5	1.4	-0.1
College Plans:																				
None or under 4 years	12.7	17.1	15.5	16.7	15.4	16.4	12.6	13.9	13.2	11.4	14.6	10.2	12.8	12.3	10.8	11.3	8.9	12.7	11.1	-1.6
Complete 4 years	6.1	5.5	5.3	6.5	6.0	5.6	4.6	3.8	3.5	3.4	2.9	2.6	3.3	3.2	2.4	2.9	2.7	2.7	3.1	+0.4
Region:																				
Northeast	5.0	4.9	3.4	6.1	5.4	4.9	3.2	2.7	2.5	2.7	3.7	2.7	3.1	3.4	1.4	2.9	1.5	2.5	3.2	+0.7
Midwest	7.1	7.5	7.2	7.1	7.6	8.3	6.8	4.3	5.3	4.8	4.0	3.9	3.5	4.2	3.2	4.0	2.9	3.4	3.0	-0.4
South	9.5	9.3	8.0	9.9	8.7	8.1	6.7	6.9	5.9	5.8	5.4	4.1	5.9	5.5	5.3	4.6	4.1	5.2	5.6	+0.4
West	3.5	4.4	6.3	6.0	5.0	5.9	4.1	3.9	2.9	1.9	2.1	1.5	2.5	2.0	1.4	2.2	2.8	1.8	1.8	0.0
Population Density:																				
Large MSA	4.8	4.2	3.3	4.6	4.1	4.2	3.6	2.9	1.8	2.4	2.4	1.5	2.6	1.9	1.3	1.9	1.9	2.8	2.5	-0.3
Other MSA	6.2	6.9	6.8	6.4	6.7	7.1	4.7	4.1	3.9	3.9	3.5	2.9	3.7	3.6	2.8	3.1	3.1	3.1	3.6	+0.5
Non-MSA	10.4	10.3	9.9	13.0	11.2	10.6	9.0	8.5	8.9	7.0	7.0	6.2	6.9	7.7	7.0	7.1	5.3	5.4	5.8	+0.3
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	11.4	7.8	9.4	8.9	10.6	6.3	8.3	5.4	6.6	7.4	5.0	4.5	6.8	6.9	5.7	5.9	4.9	5.4	5.3	-0.1
2.5–3.0	8.4	8.5	7.5	8.4	9.9	8.8	6.0	5.1	5.7	5.2	5.4	5.1	5.1	6.0	4.9	3.9	3.7	5.1	5.5	+0.5
3.5–4.0	6.7	7.0	7.5	8.7	7.0	7.2	6.5	5.9	4.5	4.5	3.7	3.2	4.1	3.5	3.1	3.7	3.1	3.8	4.9	+1.1
4.5–5.0	4.8	7.0	5.2	6.1	5.0	6.8	4.8	4.4	3.3	2.9	2.5	2.4	3.1	3.2	2.4	3.1	2.5	2.4	2.9	+0.4
5.5-6.0 (High)	6.1	4.6	4.9	6.8	5.8	5.9	3.7	3.9	3.1	3.0	4.2	2.5	2.7	2.9	1.8	3.4	2.3	2.3	1.4	-1.0
Race/Ethnicity (2-year average).b																				
White	_	8.3	8.0	8.1	8.9	8.8	7.6	6.1	5.4	5.2	4.8	4.1	3.9	4.4	4.2	3.7	3.8	3.9	4.4	+0.5
African American	_	1.8	2.7	3.2	2.6	2.2	2.6	2.3	2.3	2.7	2.2	1.6	2.7	3.0	2.0	2.1	2.3	2.4	2.6	+0.2
Hispanic		4.2	4.0	5.0	5.7	5.2	4.6	4.5	4.6	3.7	3.3	4.0	4.7	4.0	2.6	3.1	2.9	2.4	2.5	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996 and on two of four forms beginning in 1997; N is one half of N indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-109 Smokeless Tobacco: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 10</u>

2008-

								Perce	entage w	ho used	in last 30	) days								2008-	2009
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change	adjusted change
Approximate wtd. N =		14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200		15,100	15,900	change	change
Total	10.0	9.6	10.4	10.5	9.7	8.6	8.9	7.5	6.5	6.1	6.9	6.1	5.3	4.9	5.6	5.7	6.1	5.0	6.5	+1.5 s	[+2.0] ss
Gender:																					
Male	18.7	18.1	19.3	19.2	17.2	15.0	14.9	13.8	12.2	11.4	12.7	9.9	9.6	9.0	9.7	10.2	10.2	8.2	11.1	+3.0 ss	
Female	1.3	1.8	2.0	2.1	2.1	2.3	2.7	1.7	1.3	1.3	1.6	2.1	1.3	1.0	1.6	1.2	2.0	2.0	2.0	0.0	
College Plans:																					
None or under 4 years	16.9	17.5	20.2	19.9	20.3	16.3	18.5	17.8	13.2	13.9	16.0	13.6	13.0	12.2	13.3	14.9	14.0	14.6	17.5	+2.9	
Complete 4 years	8.4	8.0	8.4	8.5	7.8	7.2	7.2	5.7	5.4	4.8	5.4	4.8	4.1	3.9	4.5	4.5	5.0	3.8	5.3	+1.4 s	
Region:																					
Northeast	8.6	5.3	8.0	9.0	7.6	6.8	9.3	6.5	5.2	4.6	4.9	4.7	4.5	5.1	4.6	4.5	5.9	3.3	6.6	+3.3 s	
Midwest	11.0	9.6	10.0	10.0	11.0	9.5	7.1	7.9	8.1	6.2	7.0	4.8	4.9	3.7	5.7	7.5	6.3	7.2	7.7	+0.5	
South	11.6	11.4	11.8	11.7	10.9	10.2	10.2	9.5	7.9	7.7	9.6	8.3	7.5	7.3	7.0	6.0	8.3	6.5	7.7	+1.2	
West	7.8	10.9	11.1	10.9	7.7	6.0	8.2	4.6	4.0	4.5	3.0	5.1	3.5	3.0	4.5	4.1	3.3	2.2	3.3	+1.1	
Population Density:																					
Large MSA	5.9	6.4	6.5	6.2	5.9	5.5	4.2	3.7	4.6	5.6	4.1	4.5	3.7	3.0	3.2	3.9	4.1	3.4	4.8	+1.4	
Other MSA	9.2	9.3	10.1	10.9	9.2	8.4	8.3	5.7	5.3	4.3	5.7	6.1	4.8	4.3	5.3	5.3	5.8	4.4	6.3	+2.0	
Non-MSA	14.7	13.3	14.1	13.9	15.0	12.2	14.7	15.1	11.3	9.8	12.5	8.2	9.2	9.0	9.4	9.6	9.9	8.7	9.3	+0.5	
Parental Education. <sup>a</sup>																					
1.0-2.0 (Low)	6.6	10.1	10.9	9.4	9.6	8.1	9.0	6.8	7.2	7.4	6.9	6.7	7.4	3.7	4.4	7.4	6.1	5.0	7.9	+2.9	
2.5–3.0	12.1	11.0	12.2	12.5	10.4	9.7	9.4	8.2	7.0	6.4	8.9	8.1	5.0	5.8	6.7	7.1	6.9	6.5	7.4	+0.9	
3.5-4.0	10.6	10.5	10.9	10.2	10.9	8.3	10.3	8.6	7.3	6.3	7.1	5.5	4.9	5.2	6.0	5.7	6.4	5.4	7.4	+2.0	
4.5–5.0	9.3	7.6	9.9	9.8	9.8	8.5	7.2	6.9	6.1	6.2	5.7	5.4	5.7	4.4	5.6	4.9	6.1	4.6	5.4	+0.8	
5.5-6.0 (High)	8.6	8.1	7.0	8.9	6.0	7.7	8.3	5.2	4.8	4.0	4.8	5.2	4.3	4.4	3.8	5.3	4.8	2.9	5.6	+2.7 s	
Race/Ethnicity (2-year average).b																					
White	_	11.4	12.0	12.5	12.0	11.0	10.4	10.0	8.7	7.5	7.5	7.8	6.9	6.1	6.6	6.9	7.3	7.3	7.5	+0.2	
African American	_	2.9	2.3	2.3	2.5	2.5	2.8	2.3	1.6	2.0	3.2	2.6	2.5	2.7	2.5	3.2	3.3	2.8	2.6	-0.1	
Hispanic		6.2	6.1	4.3	3.6	4.0	4.6	4.8	4.8	4.5	4.0	4.0	4.1	3.3	3.1	3.4	2.7	2.6	2.9	+0.4	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of two forms in 1991–1996 and on two of four forms beginning in 1997; N is one half of N indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-110 Smokeless Tobacco: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

							Perce	entage w	ho used	in last 30	days							
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u> <sup>a</sup>	<u>1991</u> <sup>a</sup>	Cont.
Approximate wtd. N =	_	_	_	_	_	_	_	_	_	_	_	15,200	16,300		16,700	_	_	V
Total	_	_	_	_	_	_	_	_	_	_	_	11.5	11.3	10.3	8.4	_	_	
Gender:																		
Male	_	_	_	_	_	_	_	_	_	_	_	22.3	22.8	19.9	15.9	_	_	
Female	_	_	_	_	_	_	_	_	_	_	_	1.6	0.7	1.7	1.2	_	_	
College Plans:																		
None or under 4 years	_	_	_	_	_	_	_	_	_	_	_	14.5	15.5	13.1	9.6	_	_	
Complete 4 years	_	_	_	_	_	_	_	_	_	_	_	9.8	9.0	8.8	7.7	_	_	
Region:																		
Northeast	_	_	_	_	_	_	_	_	_	_	_	9.5	7.3	5.9	5.0	_	_	
Midwest	_	_	_	_	_	_	_	_	_	_	_	13.5	11.3	10.8	8.3	_	_	
South	_	_	_	_	_	_	_	_	_	_	_	12.2	13.7	12.1	9.8	_	_	
West	_	_	_	_	_	_	_	_	_	_	_	9.3	11.7	10.9	9.1	_	_	
Population Density:																		
Large MSA	_	_	_	_	_	_	_	_	_	_	_	9.0	6.4	7.7	6.8	_	_	
Other MSA	_	_	_	_	_	_	_	_	_	_	_	8.9	10.5	8.5	7.6	_	_	
Non-MSA	_	_	_	_	_	_	_	_	_	_	_	17.1	17.5	16.1	11.7	_	_	
Parental Education: <sup>b</sup>																		
1.0-2.0 (Low)	_	_	_	_	_	_	_	_	_	_	_	8.6	11.7	10.7	5.3	_	_	
2.5–3.0	_	_	_	_	_	_	_	_	_	_	_	14.4	11.5	10.7	7.0	_	_	
3.5-4.0	_	_	_	_	_	_	_	_	_	_	_	11.5	12.1	10.6	9.0	_	_	
4.5–5.0	_	_	_	_	_	_	_	_	_	_	_	10.4	11.7	11.8	10.2	_	_	
5.5-6.0 (High)	_	_	_	_	_	_	_	_	_	_	_	7.7	8.1	7.2	8.4	_	_	
Race/Ethnicity (2-year average): <sup>c</sup>																		
White	_	_	_	_	_	_	_	_	_	_	_	_	12.9	12.0	10.6	_	_	
African American	_	_	_	_	_	_	_	_	_	_	_	_	2.1	4.5	4.5	_	_	
Hispanic	_	_	_	_	_	_	_	_	_	_	_	_	4.4	5.2	5.1	_	_	

TABLE D-110 (cont.)
Smokeless Tobacco: Trends in <u>30-Day</u> Prevalence of Use by Subgroups in <u>Grade 12</u>

							F	ercentaç	ge who u	sed in las	st 30 day	'S							2008-
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 <u>change</u>
Approximate wtd. N =		16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	<u>2003</u> 14,700	14,200	14,500	14,000	13,700	<u>change</u>
Total	11.4	10.7	11.1	12.2	9.8	9.7	8.8	8.4	7.6	7.8	6.5	6.7	6.7	7.6	6.1	6.6	6.5	8.4	+1.8
Gender:																			
Male	20.8	19.7	20.3	23.6	19.5	18.7	15.6	15.5	14.4	14.2	12.2	12.5	12.2	12.7	11.0	11.9	11.8	15.8	+3.9
Female	2.0	2.3	2.6	1.8	1.1	1.2	1.5	1.3	1.3	1.6	1.2	1.0	1.6	1.9	1.5	1.2	1.0	1.7	+0.7
College Plans:																			
None or under 4 years	18.0	14.9	15.8	18.7	17.6	16.9	14.3	10.5	15.8	13.0	10.8	12.8	11.9	15.2	13.4	11.7	12.4	14.2	+1.9
Complete 4 years	9.4	9.4	9.3	9.9	7.6	7.4	7.1	7.6	5.4	6.1	4.8	4.8	4.9	5.4	4.1	5.3	5.0	7.3	+2.3
Region:																			
Northeast	8.2	9.6	12.0	9.6	8.4	6.9	2.6	4.3	5.3	5.4	5.3	6.3	5.1	8.0	5.3	5.3	7.5	7.1	-0.5
Midwest	12.3	13.6	14.7	16.7	12.6	13.4	11.8	8.9	11.1	9.9	7.8	5.7	7.4	10.5	7.0	9.1	7.2	14.1	+6.9 s
South	12.5	11.1	9.7	11.9	9.2	9.0	10.5	10.7	7.3	8.5	7.9	7.9	8.4	7.5	7.5	7.9	6.1	7.1	+1.0
West	11.1	7.0	8.5	8.6	8.5	9.1	7.3	7.0	6.3	6.2	3.9	6.0	4.3	4.0	3.4	2.8	5.6	4.6	-1.1
Population Density:																			
Large MSA	5.9	7.1	7.5	12.5	8.6	6.5	4.7	4.9	4.2	4.4	3.4	3.4	3.8	4.3	4.8	3.9	2.6	4.4	+1.9
Other MSA	11.1	9.9	11.3	9.5	7.4	7.4	7.7	8.5	7.9	8.0	5.7	6.9	5.6	7.8	4.6	6.8	6.2	7.7	+1.5
Non-MSA	16.9	15.0	14.7	16.7	15.3	17.9	16.1	11.7	11.4	11.5	11.9	10.4	12.1	11.3	10.9	10.1	11.8	15.0	+3.1
Parental Education:b																			
1.0-2.0 (Low)	14.9	7.0	12.3	9.8	6.3	5.8	6.1	5.4	4.3	6.3	4.1	9.3	6.1	5.3	4.9	5.3	3.4	2.8	-0.6
2.5–3.0	12.4	11.6	12.9	11.5	10.4	10.7	9.0	9.1	9.9	7.5	5.6	5.9	8.8	9.7	8.0	9.8	7.2	10.4	+3.2
3.5-4.0	12.4	10.8	9.8	12.8	9.1	10.4	9.8	8.8	8.9	8.6	7.4	6.5	4.6	7.8	6.4	5.3	6.8	9.4	+2.6
4.5–5.0	8.0	13.3	11.1	12.8	11.4	9.1	9.6	8.5	6.2	6.2	7.3	7.6	7.9	8.0	6.1	6.6	6.5	7.7	+1.2
5.5-6.0 (High)	10.6	7.8	10.2	11.6	8.1	9.9	7.4	7.9	5.7	10.3	4.6	6.2	5.4	3.7	3.5	5.8	6.3	8.7	+2.4
Race/Ethnicity (2-year average): <sup>c</sup>																			
White	_	13.8	13.8	13.8	13.0	12.2	11.8	11.0	10.5	10.3	9.7	8.5	8.2	8.7	8.8	8.3	8.6	10.5	+2.0
African American	_	2.0	1.9	2.1	2.7	2.2	1.4	1.5	1.5	1.2	1.0	1.0	0.6	0.3	0.5	1.8	2.0	1.5	-0.4
Hispanic	_	6.0	5.4	7.6	8.1	5.3	4.3	3.9	3.8	3.2	2.6	3.1	3.9	4.9	3.8	2.7	2.3	2.5	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of six forms; N is one sixth of N indicated in Table D-S3.

# Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>a</sup>Prevalence of smokeless tobacco use was not asked of 12th graders in 1990 and 1991. Prior to 1990 the prevalence-of-use question on smokeless tobacco was located near the end of one 12th-grade questionnaire form, whereas after 1991 the question was placed earlier and in a different form. This shift could explain the discontinuities between the corresponding data.

<sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

TABLE D-111
Smokeless Tobacco: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 8</u>

								Percent	age who	used da	ily in last	30 days								2008-
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change
Approximate wtd. N =		18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	change
Total	1.6	1.8	1.5	1.9	1.2	1.5	1.0	1.0	0.9	0.9	1.2	0.8	0.8	1.0	0.7	0.7	0.8	0.8	0.8	0.0
Gender:																				
Male	3.1	3.4	2.9	3.2	2.2	2.9	1.7	1.8	1.6	1.5	2.5	1.5	1.4	1.7	1.2	1.1	1.6	1.2	1.4	+0.2
Female	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.1	0.2	0.2	0.3	0.2	0.3	0.1	0.4	0.3	-0.1
College Plans:																				
None or under 4 years	4.1	5.6	4.4	5.4	3.5	5.1	3.6	6.1	3.8	2.7	4.5	4.5	4.0	3.8	2.4	4.0	3.2	5.0	2.5	-2.5
Complete 4 years	1.2	1.2	1.1	1.4	0.9	1.0	0.6	0.5	0.5	0.7	0.9	0.5	0.5	0.7	0.5	0.4	0.6	0.4	0.7	+0.3
Region:																				
Northeast	1.2	0.9	0.6	8.0	0.6	8.0	0.6	0.4	0.1	0.4	0.7	0.6	8.0	1.0	0.1	0.6	0.2	0.9	1.1	+0.2
Midwest	1.5	1.6	1.6	1.4	1.1	2.0	1.2	1.3	0.9	1.3	1.1	1.1	0.6	0.6	0.3	0.5	0.5	0.4	0.6	+0.2
South	2.4	3.0	2.2	3.3	1.8	2.0	1.5	1.3	1.6	1.3	2.1	1.0	1.3	1.7	1.4	1.1	1.5	1.3	1.3	0.0
West	0.6	8.0	1.0	0.9	8.0	8.0	0.2	0.7	0.3	0.2	0.1	0.2	0.2	0.3	0.2	0.4	0.4	0.3	0.1	-0.3
Population Density:																				
Large MSA	0.5	0.6	0.7	0.7	0.4	0.4	0.5	0.4	0.3	0.2	0.3	0.4	0.7	0.4	*	0.3	0.4	0.4	0.5	+0.1
Other MSA	1.2	1.9	1.5	1.0	0.9	1.2	8.0	0.6	0.8	0.8	0.8	0.6	0.6	0.6	0.5	0.6	0.7	0.7	0.6	-0.1
Non-MSA	3.3	2.8	2.5	4.6	2.6	3.4	1.6	2.6	1.8	2.0	2.9	1.8	1.5	2.6	1.9	1.6	1.7	1.5	1.7	+0.1
Parental Education. <sup>a</sup>																				
1.0-2.0 (Low)	2.8	3.5	2.0	3.0	2.2	1.5	3.2	2.6	0.9	1.4	1.8	2.2	1.8	2.8	1.4	1.3	1.9	1.5	1.6	0.0
2.5–3.0	2.2	2.6	1.9	2.7	1.7	3.1	1.1	1.5	1.6	1.4	2.1	1.0	1.0	1.1	0.5	0.9	1.0	1.3	0.9	-0.4
3.5–4.0	1.4	1.2	1.8	1.9	1.2	1.7	0.9	1.3	0.8	1.3	0.3	1.0	8.0	0.8	8.0	0.7	0.8	0.8	1.3	+0.5
4.5–5.0	0.8	1.3	1.1	1.1	0.9	0.3	0.8	0.5	0.5	0.4	0.5	0.3	0.2	0.7	0.8	0.6	0.6	0.3	0.4	+0.1
5.5–6.0 (High)	1.0	0.9	0.6	0.7	0.8	0.8	0.4	0.5	0.4	0.4	1.7	0.9	1.1	0.8	0.4	0.5	0.5	0.6	0.2	-0.4
Race/Ethnicity (2-year average).b																				
White	_	2.0	2.0	2.0	1.9	1.7	1.5	1.2	1.1	1.1	1.2	1.0	0.7	0.9	0.9	0.7	0.9	0.9	0.9	0.0
African American	_	0.3	0.4	0.7	0.6	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.2	0.5	0.5	0.7	1.0	+0.2
Hispanic Source The Monitoring the Future stur		8.0	0.9	0.9	0.7	1.1	0.9	8.0	1.0	8.0	8.0	8.0	0.9	0.9	0.4	0.5	0.5	0.4	0.3	-0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "--" indicates data not available. "\*" indicates less than 0.05% but greater than 0%.

Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup

cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996 and on two of four forms beginning in 1997; N is one half of N indicated in Table D-S1.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-112 Smokeless Tobacco: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 10</u>

2008-

									Percent	age who	used da	ily in last	30 days								2008-	2009
		4004	4000	1000	4004	1005	1000	4007	4000	1000	0000	0004	0000	0000	0004	0005	0000	0007	0000	0000	2009	adjusted
		<u>1991</u> 14,800	<u>1992</u> 14,800	1993 15,300	1994 15,800	1995 17,000	<u>1996</u> 15,600	<u>1997</u> 15,500	1998 15,000	1999 13,600	2000 14,300	2001 14,000	2002 14,300	2003 15,800	2004 16,400	2005 16,200	2006 16,200	2007 16,100	2008 15,100	2009 15,900	<u>change</u>	<u>change</u>
Total	Approximate wid: N = 1	3.3	3.0	3.3	3.0	2.7	2.2	2.2	2.2	1.5	1.9	2.2	1.7	1.8	1.6	1.9	1.7	1.6	1.4	,	+0.5	[+0.8] s
Gender:		0.0	0.0	0.0	0.0				2.2	1.0	1.0			1.0	1.0	1.0		1.0		1.0	10.0	[10.0] 0
Male		6.3	6.3	6.4	5.9	5.2	4.2	4.0	4.3	3.2	3.9	4.5	3.0	3.7	3.0	3.4	3.3	2.9	2.6	3.7	+1.1	
Female		0.2	0.1	0.3	0.2	0.2	0.2	0.3	0.3	0.1	0.2	0.3	0.2	0.1	0.2	0.3	*	0.3	0.3	0.2		
College Plar	is.	0.2	0.1	0.0	0.2	0.2	0.2	0.0	0.0	0.1	0.2	0.0	0.2	0.1	0.2	0.0		0.0	0.0	0.2	0.1	
_	der 4 years	7.6	8.5	8.8	6.5	7.8	5.4	6.3	6.4	3.6	5.9	6.6	4.6	4.8	5.0	5.4	6.8	4.4	6.2	7.7	+1.5	
Complete 4	•	2.3	1.9	2.2	2.2	1.9	1.6	1.5	1.5	1.2	1.2	1.5	1.0	1.3	1.1	1.3	1.0	1.2	0.8		+0.4	
Region:	, your	2.0	1.0	2.2	2.2	1.0	1.0	1.0	1.0	1.2	1.2	1.0	1.0	1.0		1.0	1.0	1.2	0.0	1.0	10.4	
Northeast		1.8	1.0	1.7	3.0	2.0	1.3	1.5	1.2	1.2	0.9	1.1	0.8	1.6	2.1	1.3	0.8	1.4	0.5	1.5	+0.9	
Midwest		3.1	2.9	2.5	2.4	2.5	2.1	1.4	2.1	2.0	2.1	2.1	1.3	1.3	0.8	1.7	2.2	1.6	2.4		+0.4	
South		4.7	4.5	5.2	3.3	4.1	3.3	3.5	3.8	2.0	2.8	3.6	2.6	3.0	2.6	2.8	2.3	2.6	2.1		+0.3	
West		2.7	2.9	3.1	3.6	1.1	1.0	1.7	0.8	0.7	1.0	0.9	1.1	0.8	0.6	1.2	0.9	0.4	0.2	0.6	+0.4	
Population D	Density:																					
Large MSA	•	1.5	1.6	1.1	1.0	1.5	0.6	0.8	1.0	0.8	1.6	0.8	1.3	1.2	0.8	0.8	1.1	1.0	0.7	1.0	+0.3	
Other MSA		3.1	2.8	3.2	3.5	2.3	2.3	1.7	1.5	1.0	1.0	1.7	1.4	1.5	1.3	1.4	1.4	1.5	1.1		+0.9	
Non-MSA		5.0	4.9	5.3	4.2	4.9	3.6	4.6	5.0	3.5	3.8	5.0	2.6	3.5	3.4	4.2	3.2	2.6	3.2	3.1	-0.1	
Parental Ed	ucation.a																					
1.0–2.0 (Lo	ow)	2.5	3.9	4.1	3.2	3.6	1.7	3.8	2.6	1.7	2.4	3.8	1.7	1.7	1.5	2.0	3.6	2.0	1.0	2.9	+1.9	
2.5–3.0		4.8	5.0	4.3	3.8	3.4	3.4	2.0	2.8	1.7	2.3	3.2	1.2	2.1	1.8	2.6	2.9	2.1	1.7	2.3	+0.6	
3.5-4.0		3.3	2.8	3.1	3.0	2.8	1.4	2.4	2.7	1.6	1.6	1.5	2.0	1.9	2.4	2.0	1.3	1.6	1.9	2.2	+0.3	
4.5-5.0		2.5	1.7	2.5	2.7	2.9	2.3	1.7	1.8	1.6	1.9	1.9	1.5	1.7	0.7	1.7	1.1	1.4	1.3	1.3	-0.1	
5.5–6.0 (Hi	gh)	2.5	1.6	2.7	1.7	1.0	1.4	1.9	0.7	0.8	0.8	1.9	1.3	1.4	0.9	1.2	1.3	1.1	0.1	1.7	+1.6 ss	
Race/Ethnic	ity (2-year average).b																					
White		_	3.8	3.9	3.8	3.3	2.9	2.5	2.7	2.4	2.1	2.4	2.3	2.1	2.1	2.1	2.2	2.1	2.1	2.4	+0.3	
African Am	erican	_	0.5	0.4	0.6	0.5	0.4	0.4	0.4	0.3	0.4	0.9	0.8	0.4	0.6	0.8	0.8	0.6	0.4	0.4	0.0	
Hispanic		_	1.1	1.0	0.8	1.2	1.2	1.3	1.3	0.8	0.8	1.0	0.5	0.4	0.9	1.0	0.7	0.3	0.2	0.4	+0.2	
	Monitoring the Future study	the I In								0.0	0.0		0.0	0.7	0.0		· · · ·	0.0	V. <u> </u>	0.1		

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "--" indicates data not available. "\*" indicates less than 0.05% but greater than 0%.

Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases.

See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996 and on two of four forms beginning in 1997; N is one half of N indicated in Table D-S2.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample

of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>b</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-113
Smokeless Tobacco: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

							Percent	age who	used da	ily in last	30 days						
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	1982	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u> <sup>a</sup>	<u>1991<sup>a</sup></u>
Approximate weighted N =	_	_	_	_	_	_	_	_	_	_	_	15,200	16,300	16,300	16,700	_	_
Total	_	_	_	_	_	_	_	-	_	-	_	4.7	5.1	4.3	3.3	_	_
Gender:																	
Male	_	_	_	_	_	_	_	_	_	_	_	10.0	10.7	8.6	6.8	_	_
Female	_	_	_	_	_	_	_	_	_	_	_	0.1	0.1	0.5	0.0	_	_
College Plans:																	
None or under 4 years	_	_	_	_	_	_	_	_	_	_	_	7.1	7.8	5.8	4.2	_	_
Complete 4 years	_	_	_	_	_	_	_	_	_	_	_	3.3	3.7	3.5	2.7	_	_
Region:																	
Northeast	_	_	_	_	_	_	_	_	_	_	_	4.6	2.1	2.3	1.3	_	_
Midwest	_	_	_	_	_	_	_	_	_	_	_	4.5	4.5	3.5	2.2	_	_
South	_	_	_	_	_	_	_	_	_	_	_	6.1	7.4	6.3	4.2	_	_
West	_	_	_	_	_	_	_	_	_	_	_	2.9	5.5	4.0	4.9	_	_
Population Density:																	
Large MSA	_	_	_	_	_	_	_	_	_	_	_	3.4	3.3	3.0	3.0	_	_
Other MSA	_	_	_	_	_	_	_	_	_	_	_	3.3	4.3	2.5	2.8	_	_
Non-MSA	_	_	_	_	_	_	_	_	_	_	_	7.8	8.5	8.9	4.6	_	_
Parental Education: <sup>b</sup>																	
1.0-2.0 (Low)	_	_	_	_	_	_	_	_	_	_	_	1.9	5.6	5.3	1.8	_	_
2.5–3.0	_	_	_	_	_	_	_	_	_	_	_	7.6	6.9	3.2	3.9	_	_
3.5-4.0	_	_	_	_	_	_	_	_	_	_	_	3.5	4.7	5.4	3.1	_	_
4.5–5.0	_	_	_	_	_	_	_	_	_	_	_	3.9	5.0	4.7	4.6	_	_
5.5-6.0 (High)	_	_	_	_	_	_	_	_	_	_	_	3.3	2.1	3.5	1.2	_	_
Race/Ethnicity (2-year average): <sup>c</sup>																	
White	_	_	_	_	_	_	_	_	_	_	_	_	5.8	5.4	4.5	_	_
African American	_	_	_	_	_	_	_	_	_	_	_	_	0.6	1.0	0.5	_	_
Hispanic	_	_	_	_	_	_	_	_	_	_	_	_	0.8	2.1	2.1	_	_

TABLE D-113 (cont.)
Smokeless Tobacco: Trends in 30-Day Prevalence of <u>Daily</u> Use by Subgroups in <u>Grade 12</u>

<u>.</u>							Per	centage	who use	d daily in	last 30 c	lays							2008-
	1000	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009
Approximate weighted N =	1992 15.800	16.300	15.400	15,400	14.300	15.400	15.200	13.600	2000 12.800	12.800	<u>2002</u> 12.900	<u>2003</u> 14.600	<u>2004</u> 14.600	<u>2005</u> 14.700	2006 14.200	<u>2007</u> 14.500	<u>2006</u> 14.000	13.700	<u>change</u>
Total	4.3	3.3	3.9	3.6	3.3	4.4	3.2	2.9	3.2	2.8	2.0	2.2	2.8	2.5	2.2	2.8	2.7	2.9	+0.2
Gender:	1.0	0.0	0.0	0.0	0.0		0.2	2.0	0.2	2.0	2.0		2.0	2.0	2.2	2.0		2.0	10.2
Male	7.8	6.4	7.2	7.2	7.1	8.6	6.0	5.7	6.5	5.6	4.3	4.6	5.6	4.7	4.3	5.6	5.6	5.8	+0.2
Female	0.5	0.4	0.3	0.1	0.1	0.2	0.0	0.0	0.4	0.3	0.0	0.0	0.2	0.2	0.1	0.2	0.0	0.4	+0.4
College Plans:		• • •		•••	•••				•						•••			•••	
None or under 4 years	7.4	4.3	6.6	6.5	6.8	9.1	6.5	3.4	7.9	4.7	2.4	5.3	5.0	7.1	6.1	5.3	6.6	6.4	-0.2
Complete 4 years	3.3	3.1	2.8	2.7	2.6	2.7	2.3	2.6	2.0	2.1	1.4	1.4	2.0	1.5	1.2	2.1	1.9	2.3	+0.4
Region:																			
Northeast	1.8	1.9	4.5	2.2	3.2	3.5	0.5	1.0	1.3	1.5	1.6	2.7	1.9	2.1	1.9	1.9	1.8	2.1	+0.3
Midwest	4.0	4.4	4.7	4.9	4.1	7.0	4.0	3.4	5.0	2.8	2.2	1.1	3.0	3.8	2.1	3.9	3.1	4.4	+1.2
South	5.4	4.0	3.5	4.2	3.1	3.6	4.6	4.0	4.0	3.8	2.4	2.6	3.7	2.7	3.0	4.2	2.7	3.7	+0.9
West	5.1	1.7	3.2	1.6	2.9	3.0	1.8	1.9	1.6	2.6	1.3	2.2	1.7	1.0	1.0	0.1	3.0	0.7	-2.4
Population Density:																			
Large MSA	2.0	1.7	2.0	2.1	2.6	3.3	0.9	0.5	0.9	1.4	0.4	0.5	0.8	1.0	1.4	1.6	0.5	0.9	+0.4
Other MSA	4.2	3.0	3.6	3.2	1.9	3.3	2.4	3.1	3.7	2.6	2.0	2.2	2.2	2.4	1.6	2.4	2.1	2.4	+0.3
Non-MSA	6.5	5.2	6.7	5.8	6.7	7.7	7.6	4.9	5.3	5.0	3.8	4.2	6.2	4.8	4.4	5.8	6.8	6.7	-0.1
Parental Education:b																			
1.0-2.0 (Low)	6.7	3.9	6.6	2.7	2.2	1.3	2.2	2.1	2.9	4.0	2.2	4.9	3.0	2.2	1.3	2.5	0.7	1.2	+0.4
2.5–3.0	4.8	3.5	3.8	4.7	3.6	5.8	5.2	3.7	4.2	3.2	1.7	1.4	4.2	3.5	3.3	3.8	3.4	3.5	+0.1
3.5-4.0	5.2	3.3	3.3	2.9	3.6	3.7	2.6	3.5	3.9	2.8	2.1	2.0	2.0	3.7	1.7	2.7	2.9	2.5	-0.4
4.5–5.0	2.4	3.7	3.9	3.5	4.6	3.9	3.0	1.9	2.1	2.7	2.4	2.8	2.6	1.8	2.6	3.1	2.7	3.5	+0.8
5.5-6.0 (High)	2.6	1.8	2.7	2.7	1.1	5.0	2.5	2.1	2.5	2.5	0.2	1.8	1.9	0.4	1.3	1.8	2.2	3.1	+0.9
Race/Ethnicity (2-year average): <sup>c</sup>																			
White	_	4.8	4.7	4.6	4.1	5.0	5.2	4.3	4.3	4.4	3.5	2.9	3.2	3.5	3.4	3.4	3.8	4.5	+0.6
African American	_	0.3	0.7	0.6	0.3	0.2	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.2	8.0	0.9	0.6	-0.3
Hispanic		1.6	0.7	1.2	2.2	1.9	0.8	0.4	0.9	0.6	0.3	0.7	1.1	0.7	0.4	0.7	0.6	0.2	-0.4

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of six forms; N is one sixth of N indicated in Table D-S3.

<sup>&</sup>lt;sup>®</sup>Prevalence of smokeless tobacco use was not asked of 12th graders in 1990 and 1991. Prior to 1990 the prevalence-of-use question on smokeless tobacco was located near the end of one 12th-grade questionnaire form, whereas after 1991 the question was placed earlier and in a different form. This shift could explain the discontinuities between the corresponding data.

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<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-114
Steroids: Trends in Annual Prevalence of Use by Subgroups in Grade 8

															2008-					
	1001	1000	1002	1004	1005	1006	1007	1000	1000	2000	2001	2002	2002	2004	2005	2006	2007	2000	2000	2009
Approximate wtd. N =		18.600	18.300	17.300	17.500	17,800	18,600	18.100		16,700	16,200	<u>2002</u> 15.100	16,500	<u>2004</u> 17.000	2005 16.800	2006 16.500	<u>2007</u> 16.100	<u>2006</u> 15.700	15,000	<u>change</u>
Total	1.0	1.1	0.9	1.2	1.0	0.9	1.0	1.2	1.7	1.7	1.6	1.5	1.4	1.1	1.1	0.9	0.8	0.9	0.8	-0.1
Gender:	1.0		0.0	1.2	1.0	0.0	1.0	1.2			1.0	1.0				0.0	0.0	0.0	0.0	0.1
Male	1.8	1.7	1.4	1.8	1.3	1.1	1.3	1.6	2.5	2.2	2.3	1.8	1.8	1.3	1.2	1.2	1.1	1.2	1.0	-0.2
Female	0.3	0.5	0.3	0.6	0.8	0.7	0.7	0.7	0.9	1.0	1.0	1.2	1.1	1.0	0.9	0.6	0.4	0.5	0.5	-0.1
College Plans:																				
None or under 4 years	2.2	2.4	2.2	2.5	2.2	1.5	2.4	2.8	4.0	3.6	3.1	3.6	2.7	3.2	2.4	2.4	2.7	2.3	2.2	-0.1
Complete 4 years	0.8	0.9	0.7	1.0	0.9	0.8	0.8	1.0	1.4	1.5	1.5	1.3	1.3	0.9	0.9	0.7	0.6	0.8	0.7	-0.1
Region:																				
Northeast	0.7	1.1	0.6	1.0	1.0	1.1	1.0	1.1	1.6	1.7	1.8	1.2	1.1	0.8	0.6	0.6	0.5	0.8	0.8	0.0
Midwest	1.1	1.2	1.0	1.0	1.1	0.8	1.0	1.2	1.6	1.8	1.7	1.6	1.7	1.2	1.1	0.8	0.7	0.9	0.7	-0.2
South	1.2	1.1	1.0	1.6	1.1	0.9	0.9	1.4	1.9	1.8	1.9	1.9	1.6	1.3	1.3	1.1	1.0	1.1	0.7	-0.4
West	0.7	0.9	0.7	1.0	1.0	0.8	1.1	0.9	1.4	1.3	0.9	1.2	1.2	1.0	1.0	0.7	0.8	0.6	0.9	+0.3
Population Density:																				
Large MSA	0.8	1.0	0.8	0.9	0.9	0.8	0.9	1.0	1.3	1.6	1.6	1.1	1.0	1.0	0.8	0.8	0.7	0.8	0.4	-0.4 s
Other MSA	1.2	1.2	0.9	1.2	1.2	0.9	0.9	1.2	1.9	1.5	1.7	1.6	1.5	1.1	1.1	0.8	0.8	0.9	0.9	+0.1
Non-MSA	1.0	0.9	0.9	1.5	0.9	0.9	1.2	1.4	1.7	2.0	1.6	2.1	1.8	1.3	1.3	1.2	1.0	1.0	0.9	-0.2
Parental Education. <sup>b</sup>																				
1.0-2.0 (Low)	1.8	1.2	1.2	1.6	1.3	0.9	1.4	1.7	2.2	2.5	2.0	1.8	1.3	1.5	2.1	1.0	1.7	1.7	2.1	+0.4
2.5-3.0	1.1	1.2	8.0	1.6	1.3	0.7	0.9	1.1	1.9	2.1	1.6	1.7	1.9	1.4	1.0	0.9	0.9	1.0	0.7	-0.2
3.5-4.0	1.0	1.0	1.1	1.3	0.8	0.9	1.2	1.4	1.6	1.3	1.9	1.9	1.6	1.0	1.1	1.0	0.8	1.0	0.9	-0.1
4.5–5.0	0.7	0.9	0.8	0.8	0.8	1.2	0.9	1.1	1.4	1.6	1.5	1.0	1.3	1.2	1.1	0.7	0.4	0.7	0.5	-0.2
5.5-6.0 (High)	1.0	1.3	0.6	0.9	1.5	0.9	1.2	1.1	2.0	1.6	1.7	1.6	1.0	0.7	0.7	1.1	0.8	0.8	0.6	-0.2
Race/Ethnicity (2-year average):																				
White	_	1.1	1.0	1.0	1.1	0.9	0.9	1.1	1.5	1.9	1.8	1.7	1.6	1.3	1.0	0.9	0.8	8.0	0.7	-0.1
African American	_	0.7	0.6	0.8	0.9	0.7	0.6	0.7	0.8	0.7	8.0	1.2	1.2	0.9	0.9	0.8	0.8	0.7	0.7	0.0
Hispanic	_	1.2	1.1	1.1	1.3	1.5	1.4	1.4	1.8	1.8	1.5	1.5	1.7	1.7	1.2	0.9	0.7	0.7	0.9	+0.1

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S1 for the number of subgroup cases. See appendix B for definition of variables in table.

In 2006 the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording change. In 2007 the remaining forms were changed in a like manner. In 2008 the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording change. In 2009 the remaining forms were changed in a like manner.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-115
Steroids: Trends in Annual Prevalence of Use by Subgroups in Grade 10

2008-

								Percer	tage wh	o used ir	last 12	months								2008–	2009
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2009 change	adjusted change
Approximate wtd. N =			15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900		
Total	1.1	1.1	1.0	1.1	1.2	1.2	1.2	1.2	1.7	2.2	2.1	2.2	1.7	1.5	1.3	1.2	1.1	0.9	0.8	-0.1	[-0.1]
Gender:																					
Male	1.9	1.9	1.7	1.9	2.0	1.7	1.8	1.9	2.8	3.6	3.3	3.2	2.3	2.3	1.8	1.9	1.7	1.4	1.2	-0.2	
Female	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.6	0.7	0.8	1.0	1.2	1.1	0.9	0.7	0.5	0.4	0.5	0.4	-0.1	
College Plans:																					
None or under 4 years	1.7	1.3	1.9	2.1	2.1	2.1	2.4	1.9	2.6	3.6	3.2	3.0	2.7	2.9	1.9	2.3	1.9	2.6	1.6	-1.0	
Complete 4 years	0.9	1.0	0.8	0.9	1.1	1.0	1.0	1.1	1.6	1.9	1.9	2.1	1.5	1.4	1.2	1.1	0.9	0.7	0.7	0.0	
Region:																					
Northeast	1.2	0.9	1.0	1.0	1.1	1.0	0.9	1.4	2.0	1.8	1.9	2.0	1.9	1.4	1.5	0.9	1.1	0.8	1.2	+0.3	
Midwest	1.0	1.1	1.2	1.1	1.2	1.4	1.2	1.1	1.8	2.1	1.5	1.8	1.9	1.4	1.2	1.2	1.2	1.0	0.7	-0.3	
South	1.0	1.2	1.0	1.3	1.3	1.4	1.4	1.4	1.7	2.5	2.5	2.5	1.5	1.9	1.5	1.6	1.3	1.0	0.7	-0.3	
West	1.0	1.2	0.8	1.1	1.3	0.6	1.3	0.9	1.4	2.1	2.3	2.4	1.4	1.4	0.9	0.9	0.7	0.8	0.6	-0.2	
Population Density:																					
Large MSA	1.5	0.9	0.8	8.0	0.8	0.8	1.0	8.0	1.2	2.3	1.9	2.1	1.4	1.2	0.9	1.0	0.8	0.7	0.9	+0.3	
Other MSA	1.0	1.0	0.9	1.1	1.4	1.2	1.2	1.3	1.9	2.0	2.0	2.3	1.5	1.5	1.4	1.3	1.1	1.0	0.7	-0.3	
Non-MSA	0.8	1.4	1.4	1.5	1.4	1.5	1.5	1.5	2.0	2.5	2.4	2.1	2.6	2.1	1.5	1.4	1.3	1.1	0.7	-0.4	
Parental Education. <sup>b</sup>																					
1.0-2.0 (Low)	0.7	0.9	1.5	1.8	1.2	1.7	1.7	1.3	1.2	2.3	1.6	1.6	1.9	1.5	1.8	1.4	1.0	1.5	1.0	-0.5	
2.5–3.0	1.3	1.1	1.0	0.9	1.1	0.7	1.1	1.1	1.7	2.2	2.1	2.0	1.9	1.8	1.2	1.5	1.4	1.0	0.9	-0.1	
3.5-4.0	1.0	1.2	1.1	8.0	1.6	1.2	1.4	1.7	2.0	2.0	2.3	2.8	1.9	1.7	1.0	1.3	1.0	0.9	0.7	-0.2	
4.5–5.0	0.9	1.0	0.8	1.4	1.1	1.2	1.0	0.9	1.5	2.4	2.0	2.0	1.6	1.5	1.5	0.9	1.1	0.8	0.7	-0.1	
5.5-6.0 (High)	1.2	1.4	1.1	1.1	1.0	1.1	1.1	1.1	2.4	2.2	2.1	3.0	1.3	1.2	1.3	1.4	0.9	1.0	0.9	-0.1	
Race/Ethnicity (2-year average):																					
White	_	1.0	1.0	1.0	1.2	1.3	1.3	1.3	1.5	2.1	2.3	2.4	2.3	1.8	1.6	1.3	1.2	1.0	0.8	-0.2	
African American	_	0.7	0.8	8.0	0.7	0.7	0.5	0.5	0.7	1.2	1.6	1.2	0.8	0.7	0.9	1.1	0.9	0.8	0.7	-0.2	
Hispanic	_	1.2	1.4	1.3	0.9	1.1	1.2	1.2	1.5	1.8	2.1	2.1	1.8	1.6	1.3	1.0	0.7	1.1	1.3	+0.2	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S2 for the number of subgroup cases. See appendix B for definition of variables in table.

In 2006 the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording change. In 2007 the remaining forms were changed in a like manner. In 2008 the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording change. In 2009 the remaining forms were changed in a like manner.

<sup>&</sup>quot;[]" indicates that because we believe the 2008–2009 observed changes based on the total samples to be inaccurate for this variable for 10th grade, the change derived from the matched half-sample of schools participating in both years is shown here. See text. A similar adjustment for the subgroups was not conducted due to the smaller sample sizes available.

<sup>&</sup>lt;sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

**TABLE D-116** Steroids: Trends in Annual Prevalence of Use by Subgroups in Grade 12

									Pei	rcentage	who us	ed in la	st 12 mc	onths									2008-
	1975-																						2009
	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	1992	1993	1994	<u>1995</u>	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	<u>change</u>
Approximate wtd. N =	_	16,700	15,200	-,	15,800	-,	15,400	15,400	14,300	15,400	-,	13,600	12,800	12,800	,	14,600	14,600	14,700	,	14,500	14,000	-,	
Total	_	1.9	1.7	1.4	1.1	1.2	1.3	1.5	1.4	1.4	1.7	1.8	1.7	2.4	2.5	2.1	2.5	1.5	1.8	1.4	1.5	1.5	0.0
Gender:																							
Male	_	2.8	2.6	2.4	2.1	2.5	2.1	2.4	2.2	2.5	2.8	3.1	2.5	3.8	3.8	3.2	3.3	2.6	2.7	2.3	2.5	2.5	0.0
Female	_	0.9	0.3	0.2	0.1	0.1	0.5	0.6	0.4	0.5	0.3	0.6	0.9	1.1	1.3	1.1	1.7	0.4	0.7	0.6	0.4	0.4	0.0
College Plans:																							
None or under 4 years	_	2.3	2.2	2.1	2.1	2.0	1.9	2.0	2.3	2.3	2.1	3.6	2.0	4.6	4.1	2.6	2.8	2.1	2.7	2.1	3.1	2.9	-0.2
Complete 4 years	_	1.6	1.3	1.2	0.8	0.9	1.1	1.2	1.1	1.2	1.4	1.3	1.6	1.8	2.0	2.0	2.4	1.2	1.5	1.3	1.1	1.2	+0.1
Region:																							
Northeast	_	2.0	1.3	1.2	0.6	1.5	1.5	1.6	1.3	2.1	0.9	1.3	1.9	4.5	2.1	3.0	3.8	1.6	2.0	1.6	2.2	1.3	-0.9
Midwest	_	1.5	1.3	1.4	1.4	0.8	2.2	1.5	2.1	2.1	2.3	1.6	2.3	1.7	2.8	1.8	2.4	1.6	1.5	1.3	1.7	1.4	-0.3
South	_	2.1	2.2	1.7	0.6	1.6	1.0	1.7	1.3	0.5	1.6	2.6	1.5	2.1	2.5	1.8	2.2	1.6	2.0	2.0	1.4	1.7	+0.3
West	_	1.9	1.7	1.0	2.3	1.1	8.0	1.0	0.3	1.6	1.7	1.2	1.1	2.1	2.4	2.2	2.0	1.0	1.5	0.5	0.9	1.4	+0.4
Population Density:																							
Large MSA	_	1.6	1.3	1.1	1.0	0.7	1.1	1.4	1.3	0.8	2.1	1.3	1.7	1.9	2.0	2.1	2.6	1.4	1.6	1.0	0.9	1.3	+0.5
Other MSA	_	2.3	1.5	1.4	1.4	0.9	1.5	1.3	1.3	1.7	1.5	2.0	2.0	2.9	3.0	2.1	2.9	1.4	1.6	1.5	1.4	1.7	+0.3
Non-MSA	_	1.1	2.4	1.6	0.8	2.2	1.3	2.1	1.5	1.6	1.6	1.9	1.2	2.0	2.1	2.3	1.8	1.7	2.2	1.9	2.4	1.1	-1.2 s
Parental Education. <sup>b</sup>																							
1.0-2.0 (Low)	_	0.6	1.1	2.0	2.1	1.1	2.8	1.1	1.5	3.4	3.0	1.5	1.3	2.1	3.6	2.9	4.9	2.1	2.8	3.0	2.1	1.7	-0.4
2.5–3.0	_	2.1	2.0	0.6	0.9	1.3	1.7	1.3	1.9	1.4	1.4	0.8	1.6	3.2	3.0	1.3	2.9	1.3	1.8	1.6	1.6	1.8	+0.2
3.5–4.0	_	2.6	2.3	1.6	1.3	1.5	1.1	1.1	1.3	1.1	1.1	2.5	1.9	1.9	2.8	2.7	2.5	1.7	1.7	1.1	1.3	1.6	+0.2
4.5–5.0	_	1.3	1.1	1.6	0.9	1.3	0.6	2.0	1.1	1.2	1.9	2.2	1.4	1.9	2.3	2.3	1.8	1.3	1.3	1.1	1.4	1.3	-0.1
5.5-6.0 (High)	_	2.1	1.0	0.5	0.8	0.8	1.2	1.4	1.1	1.3	1.5	1.1	2.4	2.2	1.0	1.4	2.4	1.2	1.5	1.5	1.5	0.9	-0.6
Race/Ethnicity (2-year average):																							
White	_	_	1.6	1.3	1.3	1.2	1.1	1.4	1.3	1.2	1.5	1.7	1.8	2.1	2.5	2.4	2.4	2.1	1.6	1.5	1.5	1.5	+0.1
African American	_	_	1.8	1.2	0.5	1.1	1.8	1.2	1.4	1.5	0.9	0.7	1.0	1.2	1.0	1.1	1.3	1.6	1.7	1.6	1.4	1.5	+0.1
Hispanic	_	_	2.3	3.3	1.8	0.9	1.7	1.3	0.6	1.6	2.4	2.9	2.4	2.1	2.2	1.8	2.4	2.0	2.3	2.3	1.3	1.0	-0.3

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table D-S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of six forms in 1989–1990; N is one sixth of N indicated in Table D-S3. Data based on two of six forms in 1991–2005; N is two sixths of N indicated in Table D-S3. Data based on three of six forms beginning in 2006; N is three sixths of N indicated in Table D-S3. In 2006 there were no changes in the two forms containing the original version of the question text. A slightly altered version

of the question was added to a third form. An examination of the data did not show any effect from the wording change. In 2007 the forms containing the original version were changed in a like manner.

In 2008 the question wording was changed slightly in two of the questionnaire forms. An examination of the data did not show any effect from the wording changes. In 2009 the remaining form was changed in a like manner.

# Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.

<sup>a</sup>Only drug use not under a doctor's orders is included here.

<sup>&</sup>lt;sup>b</sup>Parental education is an average score of mother's education and father's education. See appendix B for details.

<sup>&</sup>lt;sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-S1
Approximate Weighted Ns by Subgroups in Grade 8

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Total	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000
Gender:																			
Male	8,600	8,800	8,600	8,300	8,100	8,400	8,600	8,600	7,800	7,900	7,500	7,000	7,600	8,100	8,000	7,800	7,800	7,600	7,100
Female	8,600	9,300	9,200	8,600	8,700	8,800	9,300	8,900	8,400	8,300	8,300	7,600	8,400	8,500	8,400	8,200	7,900	7,600	7,400
College Plans:																			
None or under 4 years	2,300	2,400	2,100	2,000	1,900	2,200	1,900	1,800	1,700	1,600	1,600	1,300	1,600	1,600	1,600	1,500	1,300	1,200	1,100
Complete 4 years	14,600	15,400	15,400	14,700	14,800	14,800	15,800	15,600	14,500	14,500	14,100	13,400	14,500	15,000	14,800	14,600	14,400	14,000	13,500
Region:																			
Northeast	3,000	3,700	3,900	3,400	3,100	3,200	3,400	3,300	3,000	2,800	2,900	2,800	3,200	3,200	3,200	2,900	2,400	2,600	2,500
Midwest	5,300	5,300	4,700	4,200	4,300	4,600	4,100	4,300	4,200	4,300	4,000	4,000	4,100	4,000	3,700	3,500	3,600	3,400	3,400
South	6,300	6,200	6,400	6,300	6,600	6,300	7,200	6,600	6,100	6,300	5,900	5,400	6,300	6,300	6,300	6,300	6,400	5,600	5,700
West	2,900	3,400	3,300	3,400	3,500	3,700	3,900	3,900	3,400	3,300	3,400	2,900	2,900	3,500	3,600	3,800	3,700	4,100	3,400
Population Density:																			
Large MSA	4,500	5,700	5,500	4,400	5,200	5,200	5,000	4,800	4,800	4,900	4,700	4,500	4,900	5,000	5,400	5,400	5,000	5,100	4,500
Other MSA	8,400	8,300	8,800	8,300	7,800	8,400	9,000	8,800	7,900	7,900	7,500	6,900	7,700	7,900	7,400	7,300	7,800	7,500	7,300
Non-MSA	4,600	4,600	4,000	4,600	4,500	4,200	4,600	4,500	4,000	3,900	4,000	3,700	3,900	4,100	4,000	3,800	3,300	3,100	3,200
Parental Education:																			
1.0-2.0 (Low)	1,400	1,700	1,700	1,600	1,500	1,500	1,500	1,300	1,300	1,300	1,300	1,100	1,100	1,200	1,400	1,400	1,400	1,300	1,200
2.5–3.0	4,400	4,600	4,500	4,100	3,900	4,300	4,000	3,900	3,800	3,700	3,400	3,200	3,400	3,400	3,400	3,300	3,100	2,800	2,700
3.5-4.0	4,100	4,300	4,300	4,200	4,000	4,100	4,300	4,100	3,800	3,900	4,000	3,500	3,700	4,000	3,700	3,800	3,700	3,500	3,300
4.5–5.0	4,100	4,100	4,100	3,900	3,900	3,900	4,500	4,500	4,000	3,900	3,900	3,800	4,200	4,300	4,200	4,000	3,900	4,100	3,900
5.5-6.0 (High)	2,200	2,300	2,300	2,200	2,300	2,200	2,600	2,700	2,200	2,200	2,100	2,100	2,400	2,500	2,600	2,300	2,300	2,300	2,100
Race/Ethnicity (2-year average).a																			
White	_	21,900	22,000	20,900	19,800	20,200	21,400	21,300	19,800	18,900	18,600	17,600	18,400	20,400	20,500	19,500	18,300	17,300	16,400
African American	_	4,200	4,800	5,500	5,600	5,300	4,700	4,900	5,000	4,800	4,500	4,500	4,400	3,900	3,800	4,000	3,900	4,000	4,100
Hispanic		3,400	3,600	4,000	4,000	4,000	4,200	4,100	4,100	4,000	4,100	3,900	3,400	3,200	3,600	4,700	5,400	5,100	4,700

Notes. "—" indicates data not available. See appendix B for definition of variables in table.

Caution: The Ns in this table are based on the entire sample at each grade level. Some drug use questions are asked only in some of the questionnaire forms rather than in all, in which case these Ns need to be adjusted appropriately. Look under "Notes" in each table to see if only a fraction of the sample was asked about that drug. If there is no such indication, that means the entire sample received the question.

<sup>a</sup>Ns for each racial subgroup represent the combination of the specified year and the previous year. Data have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-S2 Approximate Weighted Ns by Subgroups in <u>Grade 10</u>

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Total	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900
Gender:																			
Male	7,200	7,000	7,300	7,700	8,300	7,500	7,400	7,100	6,300	6,800	6,600	6,900	7,500	7,900	7,900	7,900	7,800	7,000	7,600
Female	7,400	7,400	7,800	7,900	8,400	7,800	7,800	7,700	7,000	7,200	7,100	7,100	8,000	8,300	8,000	8,000	7,900	7,700	8,000
College Plans:																			
None or under 4 years	2,600	2,400	2,500	2,700	2,500	2,300	2,200	2,200	1,900	1,900	1,900	2,000	2,100	1,900	1,800	1,800	1,800	1,600	1,500
Complete 4 years	11,900	12,000	12,400	12,800	14,200	13,000	13,000	12,500	11,500	12,100	11,900	12,100	13,400	14,300	14,100	14,100	14,000	13,200	14,100
Region:																			
Northeast	2,700	3,000	2,900	3,100	3,300	3,100	3,300	3,100	3,000	2,800	2,700	2,600	3,400	3,600	3,500	3,200	3,200	2,800	3,400
Midwest	3,700	3,800	4,800	4,700	4,400	3,900	3,900	3,600	3,100	3,700	4,100	3,700	4,000	4,600	4,500	4,300	3,900	3,600	3,700
South	4,900	5,000	4,900	5,200	6,100	5,600	5,500	5,200	4,700	5,000	5,000	5,100	4,900	4,900	5,000	5,300	5,100	4,800	5,200
West	3,500	3,000	2,700	2,800	3,200	3,000	2,800	3,100	2,800	2,800	2,200	2,900	3,500	3,300	3,200	3,400	3,900	3,900	3,600
Population Density:																			
Large MSA	3,400	3,700	3,500	4,100	4,700	4,300	4,300	4,300	3,700	4,000	3,900	4,300	4,900	5,000	4,900	5,100	5,200	4,700	5,200
Other MSA	7,400	7,300	7,600	7,500	8,200	7,500	7,300	7,000	6,700	6,700	6,700	6,800	7,800	7,800	7,600	7,900	7,600	7,300	7,300
Non-MSA	4,000	3,800	4,200	4,200	4,100	3,800	3,900	3,700	3,200	3,600	3,400	3,200	3,100	3,600	3,700	3,200	3,300	3,100	3,400
Parental Education:																			
1.0-2.0 (Low)	1,300	1,300	1,300	1,300	1,200	1,100	1,300	1,300	1,100	1,200	1,200	1,300	1,200	1,300	1,100	1,100	1,200	1,300	1,300
2.5–3.0	3,900	3,900	4,100	4,100	4,100	3,600	3,700	3,700	3,200	3,200	3,200	3,300	3,500	3,400	3,200	3,200	3,300	3,000	3,000
3.5-4.0	3,900	3,900	4,100	4,300	4,600	4,300	4,100	4,000	3,600	3,700	3,700	3,700	4,200	4,200	4,100	4,300	4,400	3,800	4,000
4.5–5.0	3,500	3,400	3,500	3,700	4,000	3,900	3,700	3,500	3,300	3,500	3,400	3,500	3,900	4,300	4,400	4,500	4,300	4,000	4,300
5.5-6.0 (High)	1,800	1,700	1,700	1,800	2,300	1,900	1,900	1,800	1,700	1,900	1,800	1,700	2,100	2,400	2,400	2,300	2,100	2,000	2,400
Race/Ethnicity (2-year average).a																			
White	_	19,600	20,700	22,000	22,900	22,400	20,900	19,800	18,400	18,200	18,600	18,000	18,500	19,900	20,400	21,100	20,800	18,300	17,900
African American	_	3,900	3,600	3,300	3,300	3,100	3,200	3,600	3,600	3,100	2,800	3,400	4,600	4,600	4,300	3,900	3,400	3,600	3,600
Hispanic		2,600	2,700	2,800	2,900	3,000	3,200	3,500	3,200	3,100	3,400	3,600	3,600	3,500	3,500	3,300	3,800	4,500	4,500

Notes. "—" indicates data not available. See appendix B for definition of variables in table.

Caution: The Ns in this table are based on the entire sample at each grade level. Some drug use questions are asked only in some of the questionnaire forms rather than in all, in which case these Ns need to be adjusted appropriately. Look under "Notes" in each table to see if only a fraction of the sample was asked about that drug. If there is no such indication, that means the entire sample received the question.

<sup>a</sup>Ns for each racial subgroup represent the combination of the specified year and the previous year. Data have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

TABLE D-S3
Approximate Weighted Ns by Subgroups in Grade 12

	<u>1975</u>	<u>1976</u>	1977	<u> 1978</u>	1979	<u>1980</u>	1981	1982	1983	1984	<u>1985</u>	1986	1987	1988	1989	1990	<u>1991</u>
Total	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000
Gender:																	
Male	4,300	6,900	7,100	8,500	7,500	7,500	8,400	8,500	7,800	7,600	7,600	7,100	7,700	7,700	8,000	7,700	7,400
Female	5,200	7,000	7,600	9,000	8,000	7,800	8,600	8,600	8,000	7,800	8,000	7,700	8,200	8,200	8,300	7,100	7,200
College Plans:																	
None or under 4 years	_	6,500	6,700	8,100	6,800	6,300	6,700	7,200	6,300	5,900	5,600	5,100	5,000	4,700	4,800	4,200	4,000
Complete 4 years	_	6,800	7,200	8,600	8,000	8,500	9,700	9,200	8,800	8,900	9,300	9,100	10,300	10,600	11,000	10,100	10,300
Region:																	
Northeast	2,200	3,400	3,700	4,400	3,800	3,600	4,100	4,600	3,900	3,200	3,700	3,600	3,500	3,200	3,200	3,300	2,800
Midwest	2,900	4,500	4,600	5,200	4,800	4,700	5,300	5,200	4,600	4,500	4,400	4,300	4,400	4,300	4,500	4,200	4,000
South	3,000	4,300	4,600	6,000	4,800	4,800	5,300	5,300	5,200	5,300	4,900	4,700	5,200	5,600	6,100	5,000	5,100
West	1,400	2,200	2,200	2,500	2,600	2,700	2,800	2,600	2,600	2,900	3,000	2,600	3,200	3,200	2,900	2,700	3,100
Population Density:																	
Large MSA	2,100	3,700	4,000	4,600	4,000	3,900	4,500	4,800	4,200	4,100	4,200	3,700	4,200	4,400	4,000	3,800	3,600
Other MSA	4,000	5,700	6,200	8,000	6,800	6,700	7,100	7,300	6,800	6,900	6,900	7,000	8,000	7,700	8,800	7,700	7,200
Non-MSA	3,400	5,000	4,900	5,500	5,200	5,200	5,900	5,600	5,300	4,900	4,900	4,500	4,100	4,200	3,900	3,700	4,200
Parental Education:																	
1.0-2.0 (Low)	1,700	2,200	2,600	3,100	2,500	2,300	2,400	2,700	2,200	1,900	1,800	1,800	1,700	1,600	1,700	1,600	1,500
2.5–3.0	3,000	4,300	5,400	6,200	5,600	5,300	5,800	5,900	5,500	5,100	5,100	4,600	4,500	4,500	4,600	4,300	4,100
3.5-4.0	1,600	2,500	3,200	4,000	3,600	3,600	4,200	4,200	3,900	4,000	4,000	3,800	4,300	4,400	4,500	4,100	4,200
4.5–5.0	1,100	1,600	2,200	2,800	2,600	2,700	3,100	2,900	2,800	2,900	3,000	2,900	3,400	3,500	3,500	3,100	3,100
5.5-6.0 (High)	440	710	1,100	1,200	1,200	1,300	1,500	1,300	1,200	1,400	1,500	1,500	1,800	1,900	1,700	1,600	1,500
Race/Ethnicity (2-year average): <sup>a</sup>																	
White	_	_	23,400	26,500	27,500	25,600	26,300	27,300	26,200	24,700	24,200	23,600	23,800	24,200	24,000	23,400	21,900
African American	_	_	3,300	3,700	3,500	3,500	4,000	4,000	3,900	4,000	4,000	3,500	3,200	3,600	3,900	3,500	3,200
Hispanic	_	_	890	1,000	940	740	930	1,300	1,300	1,200	1,200	1,500	1,900	2,100	2,400	2,500	2,400

TABLE D-S3 (cont.)
Approximate Weighted Ns by Subgroups in Grade 12

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Total	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700
Gender:																		
Male	7,400	7,500	6,900	7,200	6,700	7,100	7,100	6,300	5,800	5,800	5,800	6,600	6,800	6,800	6,600	6,500	6,400	6,300
Female	7,900	8,200	8,000	7,800	7,100	7,700	7,500	6,700	6,400	6,500	6,600	7,400	7,200	7,300	7,100	7,400	6,900	6,700
College Plans:																		
None or under 4 years	3,700	3,700	3,400	3,300	2,600	3,200	3,100	2,800	2,600	2,500	2,400	2,800	2,800	2,600	2,500	2,400	2,300	2,100
Complete 4 years	11,200	11,600	11,100	11,200	10,800	11,000	11,100	10,200	9,300	9,600	9,700	11,100	11,000	11,300	11,000	11,300	10,800	10,800
Region:																		
Northeast	2,800	2,700	2,700	2,800	3,000	3,300	2,800	2,500	2,500	2,400	2,500	3,100	3,100	2,900	2,600	2,700	2,400	2,600
Midwest	4,400	4,600	4,000	4,300	3,800	4,100	3,800	3,600	3,100	3,700	3,300	3,600	3,800	3,600	3,500	3,200	3,500	3,500
South	5,600	5,800	5,700	5,400	5,100	5,300	5,700	4,900	4,500	4,100	4,300	4,900	5,000	5,200	5,200	5,500	5,000	4,800
West	3,000	3,200	3,000	2,900	2,400	2,700	2,900	2,600	2,700	2,600	2,800	3,000	2,700	3,000	2,900	3,100	3,100	2,800
Population Density:																		
Large MSA	3,600	3,700	4,300	4,400	3,400	4,100	4,300	3,800	3,800	3,800	4,000	4,600	4,200	4,300	4,700	4,700	3,700	3,900
Other MSA	8,200	7,800	7,100	7,000	7,000	7,500	7,500	6,200	5,800	5,800	5,900	6,500	6,800	7,000	6,200	6,600	7,100	6,900
Non-MSA	4,000	4,800	4,000	4,000	3,900	3,800	3,400	3,600	3,200	3,200	3,000	3,500	3,600	3,400	3,300	3,200	3,200	2,900
Parental Education:																		
1.0-2.0 (Low)	1,400	1,600	1,400	1,200	1,100	1,300	1,200	960	860	1,000	980	1,200	1,000	1,100	1,100	1,100	1,200	1,400
2.5–3.0	4,100	4,300	3,700	3,700	3,300	3,600	3,700	3,200	3,000	2,900	2,800	3,400	3,400	3,200	3,100	3,200	3,000	2,900
3.5-4.0	4,600	4,500	4,300	4,400	3,800	4,100	4,300	3,900	3,600	3,600	3,800	4,200	4,000	3,900	4,000	4,200	3,900	3,700
4.5–5.0	3,400	3,600	3,500	3,700	3,500	3,500	3,300	3,200	3,100	3,200	3,100	3,400	3,600	3,600	3,600	3,600	3,500	3,300
5.5-6.0 (High)	1,700	1,700	1,800	1,800	2,100	2,100	2,000	1,800	1,600	1,600	1,500	1,800	2,000	2,100	1,900	1,800	1,700	1,600
Race/Ethnicity (2-year average): <sup>a</sup>																		
White	21,500	22,000	21,800	21,600	20,700	19,800	20,200	19,500	17,700	16,200	16,300	17,800	19,600	19,600	18,600	18,200	17,300	16,300
African American	3,900	4,200	3,600	3,300	3,200	3,600	3,700	3,400	3,300	3,100	2,900	3,000	3,200	3,000	3,000	3,200	3,500	3,100
Hispanic	2,600	2,900	3,100	2,700	2,600	2,800	3,000	2,500	2,200	2,600	3,100	3,100	2,800	2,900	3,500	3,700	4,000	4,400
White African American	3,900 2,600	4,200 2,900	3,600 3,100	3,300 2,700	3,200	3,600	3,700	3,400	3,300	3,100	2,900	3,000	3,200	3,000	3,000	3,200	3,500	3,100

Notes. "—" indicates data not available. See appendix B for definition of variables in table.

Caution: The Ns in this table are based on the entire sample at each grade level. Some drug use questions are asked only in some of the questionnaire forms rather than in all, in which case these Ns need to be adjusted appropriately. Look under "Notes" in each table to see if only a fraction of the sample was asked about that drug.

If there is no such indication, that means the entire sample received the question.

<sup>a</sup>Ns for each racial subgroup represent the combination of the specified year and the previous year. Data have been combined to increase subgroup sample sizes and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of appendix D.

# A Note about the Two-Year-Average Race/Ethnicity Data for 2005 and 2006

In the original race/ethnicity question, which was used from the inception of the study through 2004, respondents were asked to select the *one* race/ethnicity category that they thought best described them. In 2005 the race/ethnicity question was changed in half of the questionnaire forms to conform more closely with the Office of Management and Budget guidelines. For the revised Monitoring the Future question, respondents were given a list of race/ethnicity options and instructed to mark *all* of them that applied. An examination of the data showed a very low occurrence of respondents (about 6% in 2005) selecting more than one racial/ethnic group.

In 2005, to enable the combination of data from the original question and the revised question, the following method was used. For the original version of the question, respondents were assigned to the racial/ethnic group specified in their response. For the revised 2005 questions, those checking only White and no other racial/ethnic group were categorized as White; those checking African American and no other racial/ethnic group were categorized as African American; and those checking one or more of the four Hispanic categories but no other racial/ethnic group were categorized as Hispanic.

The prevalence-of-use data presented in appendix D for the three largest racial/ethnic groups are based on two-year moving averages, so as to moderate random fluctuations. The 2005 race/ethnicity entries are, therefore, based on both the 2004 and 2005 data combined. Most of the entries for 2005 are based on 2004 and 2005 data derived from the original question combined with 2005 data derived from the new race/ethnicity question. In 2006 the race/ethnicity question was revised in the remaining forms. For the 2006 two-year moving averages, most of the entries are based on 2005 data derived from the original question combined with 2005 and 2006 data derived from the revised question. (Note that, because some drug use questions occur in only a few forms, there is some variation in the version of the race/ethnicity question upon which the 2005 data are based. Based on the analyses that we have examined, we do not think that these different permutations make any appreciable difference in the results.)

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