

State Estimates of Substance Use and Mental Disorders from the 2009-2010 National Surveys on Drug Use and Health

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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Substance Abuse and Mental Health Services Administration
Center for Behavioral Health Statistics and Quality

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Originating Office

Substance Abuse and Mental Health Services Administration
Center for Behavioral Health Statistics and Quality
1 Choke Cherry Road, Room 2-1042
Rockville, MD 20857

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Highlights

This report presents State estimates for 25 measures of substance use and mental health based on the combined 2009 and 2010 National Surveys on Drug Use and Health (NSDUHs). Sponsored by the Substance Abuse and Mental Health Services Administration (SAMHSA), NSDUH is an ongoing survey of the civilian, noninstitutionalized population of the United States aged 12 years or older. Interview data from 135,811 persons were collected in 2009-2010 (see [Table A.9](#) in Appendix A). With the exception of the four mental health measures, separate estimates are presented for each measure in four age groups: 12 to 17, 18 to 25, 26 or older, and all persons 12 or older. For past year serious mental illness, past year any mental illness, past year suicidal thoughts, and past year major depressive episode (i.e., depression), estimates are available for adults in three age groups: 18 to 25, 26 or older, and 18 or older. In addition, estimates for major depressive episode are available for youths aged 12 to 17. This report also includes estimates for persons aged 12 to 20 for two of the measures—past month alcohol use and past month binge alcohol use, representing underage use of alcohol. Although estimates for persons aged 18 or older for the substance use measures are not included in this report, they are available at <http://www.samhsa.gov/data/NSDUH/2k10State/NSDUHsae2010/Index.aspx>. Additionally, tables showing the total number of persons associated with each measure are available at this Web site.

For each measure, States have been ranked and categorized into quintiles, or fifths, in order to simplify the discussion.¹ Estimates presented in this report are based on a hierarchical Bayes estimation method that combines survey data with a national model. Note that these estimates are benchmarked to the national design-based estimates (for details, see Section A.6 in Appendix A). In addition to presenting State estimates for 2009-2010, Chapters 2 to 6 provide comparisons of the 2008-2009 estimates with the 2009-2010 estimates for all measures and indicate whether the differences between the two are statistically significant.² Increases or decreases are discussed only if they are statistically significant at the 0.05 level. Tables showing comparisons between 2002-2003 and 2009-2010 State estimates are available on the SAMHSA Web site at <http://www.samhsa.gov/data/NSDUH/2k10State/NSDUHsae2010/Index.aspx>.

Illicit Drug Use

- In 2009-2010, 8.8 percent of the U.S. population aged 12 or older used an illicit drug in the past month, which was higher than the rate in 2008-2009 (8.4 percent). Past month use of illicit drugs among persons aged 12 or older ranged from 5.3 percent in North Dakota to 14.2 percent in Alaska. Between 2008-2009 and 2009-2010, rates of past month illicit drug use among persons aged 12 or older increased in eight States (Colorado, District of Columbia,

¹ For the purposes of this report, the word "States" includes the 50 States and the District of Columbia.

² During regular data collection and processing checks for the 2011 NSDUH, data errors were identified. These errors affected the data for Pennsylvania (2006-2010) and Maryland (2008-2009). Cases with erroneous data were removed from the data files, and the remaining cases were reweighted to provide representative estimates. Thus, the 2008-2009 small area estimates presented in this report may not match the 2008-2009 small area estimates in prior reports. For details, see Section 1.5 in Chapter 1.

Idaho, Maryland, Michigan, Texas, Virginia, and Washington). Only Hawaii's rate decreased. (Tables B.1 and C.1)

- In 2009-2010, past month marijuana use was reported by 6.8 percent of the U.S. population aged 12 years or older, an increase from 6.4 percent in 2008-2009. This rate ranged from 3.1 percent in Utah to 11.8 percent in Alaska. Utah had the lowest rate across all age groups presented. Seven States were ranked in the top fifth for past month marijuana use in age groups 12 to 17, 18 to 25, 26 or older, and 12 or older: Colorado, Maine, Massachusetts, New Hampshire, Oregon, Rhode Island, and Vermont. Between 2008-2009 and 2009-2010, past month marijuana use among persons aged 12 or older increased in 10 States: Colorado, District of Columbia, Idaho, Illinois, Massachusetts, Michigan, New Mexico, Oklahoma, Texas, and Washington. Only Tennessee's rate decreased in the 12 or older age group. (Tables B.3 and C.3; Figures 2.9 to 2.12)
- In 2009-2010, the rate of perceived great risk of marijuana use once a month among persons 12 or older was 33.6 percent nationwide and ranged from 22.3 percent in Colorado to 45.2 percent in Mississippi. Between 2008-2009 and 2009-2010, the national percentage of persons aged 12 or older perceiving a great risk of smoking marijuana once a month decreased from 35.8 to 33.6 percent. Decreases in the national rates occurred in every age group, including among persons aged 12 to 17 (from 31.8 to 29.9 percent). Twenty States showed decreases in the perceived great risk of smoking marijuana once a month among persons aged 12 or older. Decreases occurred in 16 States among youths aged 12 to 17, 22 States among persons aged 18 to 25, and 15 States among persons aged 26 or older. No increases were observed in any State or age group. Among youths aged 12 to 17, 7 of the 10 States that ranked in the highest fifth for past month marijuana use also ranked in the lowest fifth for perceived great risk of smoking marijuana once a month (Colorado, District of Columbia, Massachusetts, New Hampshire, Oregon, Rhode Island, and Vermont). (Tables B.4 and C.4; Figures 2.10 and 2.14)
- In 2009-2010, the national prevalence of past year cocaine use among persons aged 12 or older was 1.9 percent, which was a decline from 2.0 percent in 2008-2009. State-level rates ranged from 1.0 percent in Alabama, Iowa, and North Dakota to 3.1 percent in Colorado, the District of Columbia, and Vermont. Between 2008-2009 and 2009-2010, 10 States showed decreases in past year cocaine use among persons aged 12 or older. No increases were observed in any State or age group. (Tables B.7 and C.7)
- In 2009-2010, 4.9 percent of persons aged 12 or older nationwide reported having used pain relievers nonmedically in the past year. Estimates ranged from 3.6 percent in South Dakota to 7.0 percent in Oklahoma. Between 2008-2009 and 2009-2010, past year nonmedical use of pain relievers among persons aged 12 or older increased in Missouri and Wyoming and decreased in Hawaii and Oklahoma. (Tables B.8 and C.8)

Alcohol Use

- Nationally, about half (51.8 percent) of Americans aged 12 or older reported being current (i.e., past month) drinkers of alcohol in 2009-2010. In this time period, rates of use among persons aged 12 or older ranged from 26.4 percent in Utah to 64.1 percent in Wisconsin. Among persons aged 12 or older, 8 of the 10 States that were ranked in the bottom fifth for current use were from the South (Alabama, Arkansas, Kentucky, Louisiana, Mississippi, South Carolina, Tennessee, and West Virginia). Arizona was the only State with a decrease among persons aged 12 or older from 2008-2009 to 2009-2010 (from 51.2 to 48.1 percent). (Tables B.9 and C.9; Figure 3.1)
- Nationally, almost a quarter (23.4 percent) of persons aged 12 or older participated in binge drinking in the past month in 2009-2010. Rates ranged from 13.2 percent in Utah to 29.9 percent in Wisconsin. Two States showed decreases in binge drinking between 2008-2009 and 2009-2010 among persons 12 or older: Florida (from 21.9 to 20.7 percent) and Ohio (from 25.3 to 23.6 percent). Idaho (from 20.1 to 21.9 percent) and Washington (from 21.4 to 23.9 percent) showed increases. (Tables B.10 and C.10)
- In 2009-2010, 42.6 percent of persons aged 12 or older perceived a great risk of having five or more drinks of an alcoholic beverage once or twice a week (i.e., binge drinking), an increase from 41.8 percent in 2008-2009. The highest rate occurred in Utah (50.8 percent), while the lowest was in South Dakota (33.6 percent). Among persons aged 12 or older, a decrease was seen in Montana (from 39.1 to 36.6 percent), and increases were seen in Arkansas, California, Florida, New Hampshire, and Pennsylvania. Increases also were seen in the Northeast, South, and West regions. (Tables B.11 and C.11)
- Past month use of alcohol among persons aged 12 to 20 (underage use of alcohol) was 26.7 percent nationally, ranging from 16.5 percent in Utah to 34.6 percent in Vermont. Four States displayed decreases in alcohol use in this age group from 2008-2009 to 2009-2010: Colorado, Louisiana, Michigan, and North Dakota. Virginia showed an increase. In 2009-2010, Utah had the lowest past month underage binge drinking rate (12.7 percent), and North Dakota had the highest rate (24.2 percent). The national rate of underage binge drinking was 17.5 percent. Decreases occurred in eight States between 2008-2009 and 2009-2010: Colorado, Florida, Michigan, New Hampshire, North Dakota, Ohio, Oregon, and South Dakota. No States showed an increase in this age group. (Tables B.12 and C.12)

Tobacco Use

- Nationally among persons aged 12 or older, the rate for past month use of tobacco in 2009-2010 was 27.6 percent and ranged from 16.8 percent in Utah to 40.2 percent in West Virginia. Among the 12 or older age group, decreases in past month tobacco use from 2008-2009 to 2009-2010 were seen in Kentucky and Wisconsin. Increases were seen in Alaska and Mississippi. (Tables B.13 and C.13)
- Among persons aged 12 or older in 2009-2010, the national rate of past month cigarette use was 23.2 percent. West Virginia had the highest rate (32.0 percent), while Utah had the lowest rate (15.8 percent). Nationally, decreases were observed among youths aged 12 to 17 (from 9.1 percent in 2008-2009 to 8.7 percent in 2009-2010) and among persons aged 12 or older (from 23.6 to 23.2 percent). (Tables B.14 and C.14)
- Nationwide, the rates of perception of great risk of smoking one or more packs of cigarettes per day decreased from 2008-2009 to 2009-2010 among persons aged 12 or older (from 72.2 to 71.2 percent) and among youths aged 12 to 17 (from 67.5 to 65.4 percent). In 2009-2010 among persons 12 or older, the rates ranged from 62.3 percent in Kentucky to 76.4 percent in New York. At the State level, there were decreases from 2008-2009 to 2009-2010 in the perception of great risk of heavy cigarette use across three age groups (12 to 17: 17 States had decreases; 18 to 25: 10 States had decreases; and 26 or older: 5 States had decreases). (Table C.15)

Substance Dependence, Abuse, and Treatment Need

- The national rate in 2009-2010 for past year dependence or abuse of illicit drugs or alcohol among persons aged 12 or older was 8.9 percent. State percentages ranged from 7.4 percent in Utah to 12.0 percent in the District of Columbia. Among persons aged 12 or older, the rate of past year dependence or abuse of illicit drugs or alcohol at the State level decreased significantly from 2008-2009 to 2009-2010 for Georgia, Minnesota, and Missouri. (Tables B.20 and C.20)
- In 2009-2010, 7.3 percent of the population aged 12 or older was classified with dependence or abuse of alcohol nationwide in the past year. At the State level among persons aged 12 or older, the District of Columbia had the highest rate (9.5 percent), and Utah had the lowest rate (5.7 percent). For the 12 or older age group, between 2008-2009 and 2009-2010, decreases in the rates of past year dependence or abuse of alcohol were observed in Minnesota and Missouri. (Tables B.16 and C.16)
- Nationally in 2009-2010, about 2.8 percent of persons aged 12 or older were classified with dependence or abuse of illicit drugs in the past year, a rate that remained unchanged from 2008-2009. The District of Columbia had the highest rate of past year illicit drug dependence or abuse (3.9 percent) among persons aged 12 or older, and North Dakota had the lowest rate (2.0 percent). Among persons aged 12 or older between 2008-2009 and 2009-2010, decreases were observed in Kentucky, Nevada, Rhode Island, and West Virginia, and an increase was seen in Mississippi. (Tables B.18 and C.18)

- The national rate in 2009-2010 for needing but not receiving treatment for an illicit drug problem among persons aged 12 or older was 2.5 percent, which was the same as the rate in 2008-2009. In 2009-2010, this rate ranged from 1.8 percent in North Dakota to 3.0 percent in California and Rhode Island. Among persons aged 12 or older, decreases between 2008-2009 and 2009-2010 were observed in Kentucky, Nevada, Rhode Island, and West Virginia. (Tables B.21 and C.21)
- The percentage of persons aged 12 or older needing but not receiving treatment for alcohol problems was 6.9 percent in 2009-2010. Among the States, the lowest rate observed was in Utah (5.4 percent), while the highest rate was in the District of Columbia (9.2 percent). Among persons aged 12 or older, declines in the rate of needing but not receiving treatment for an alcohol problem from 2008-2009 to 2009-2010 were seen in Minnesota and New Mexico. A decline also was seen in the Midwest region. (Tables B.22 and C.22)

Mental Disorders

- Nationally in 2009-2010, 3.9 percent of adults aged 18 or older had serious mental illness in the past year. Idaho and Utah had the highest rate (5.1 percent), while California had the lowest rate (3.2 percent) among adults 18 or older. From 2008-2009 to 2009-2010, only one State had an increase (Alabama), whereas no decreases were seen. (Tables B.23 and C.23)
- In 2009-2010, the national rate of past year any mental illness among adults aged 18 or older was 18.1 percent. The highest rate for any mental illness among persons aged 18 or older occurred in Utah (22.9 percent), while the lowest rate occurred in Georgia (15.6 percent). Alabama, Idaho, Montana, Nevada, Rhode Island, Utah, and West Virginia ranked in the highest fifth for both past year serious mental illness and past year any mental illness. Three States had increases in past year any mental illness rates between 2008-2009 and 2009-2010 (Alabama, Alaska, and Idaho). (Tables B.24 and C.24; Figures 6.1 and 6.4)
- In 2009-2010, 3.8 percent of adults aged 18 or older had serious thoughts of suicide in the past year in the United States, which was similar to the rate from 2008-2009 (3.7 percent). State-level estimates ranged from 3.1 percent in Georgia and Texas to 5.0 percent in Utah. (Tables B.25 and C.25)
- Nationwide in 2009-2010, 6.7 percent of adults aged 18 or older had a major depressive episode in the past year, ranging from 5.9 percent in New Mexico to 8.2 percent in Utah. Between 2008-2009 and 2009-2010, rates of depression among adults aged 18 or older increased in Iowa and Ohio. (Tables B.26 and C.26)
- In 2009-2010, 8.1 percent of youths aged 12 to 17 experienced depression nationwide during the past year, which was similar to the rate in 2008-2009 (8.2 percent). In 2009-2010, rates of depression among youths ranged from 6.9 percent in the District of Columbia and Louisiana to 9.6 percent in Missouri. At the State level, there were no significant changes in the rates of depression among youths between 2008-2009 and 2009-2010. (Tables B.26 and C.26)

1. Introduction

This report presents State estimates for 25 measures of substance use and mental disorders based on the 2009 and 2010 National Surveys on Drug Use and Health (NSDUHs). Changes (increases or decreases) that occurred between 2008-2009 and 2009-2010 for these measures also are presented. Sponsored by the Substance Abuse and Mental Health Services Administration (SAMHSA), NSDUH is an ongoing survey of the civilian, noninstitutionalized population of the United States aged 12 years or older. Interview data from 135,811 persons were collected in 2009-2010 (see [Table A.9](#) in Appendix A). State estimates presented in this report have been developed using a small area estimation (SAE) procedure in which State-level NSDUH data are combined with county and census block group/tract-level data from the State. Aggregates of these State estimates are presented as regional and national estimates. Note that these estimates are benchmarked to the national design-based estimates (for details, see Section A.6 in Appendix A). This model-based methodology provides more precise estimates of substance use and mental disorders at the State level than those based solely on the sample, particularly for States with smaller samples.

Starting in 1999, the NSDUH sample was expanded to produce State-level estimates. The samples in each State were selected to represent proportionately the geography and demography of that State. The first report with State estimates was published in 2000 (Office of Applied Studies [OAS], 2000). It utilized the 1999 survey data and the SAE procedure. Because the SAE procedure requires significant preparatory steps for the modeling and extensive computation to generate results, the number of measures estimated has been limited to ones with high policy value. The first report included only seven measures. Subsequent State reports have been published annually, gradually extending the capabilities of the SAE procedure and increasing the number of measures estimated (Hughes, Muhuri, Sathe, & Spagnola, 2010, 2011; Hughes, Sathe, & Spagnola, 2008, 2009; Wright, 2002a, 2002b, 2003a, 2003b, 2004; Wright & Sathe, 2005, 2006; Wright, Sathe, & Spagnola, 2007). The current practice is to base annual estimates on a 2-year moving average of NSDUH data in order to enhance the precision for States with smaller samples.

State estimates also have been produced for additional measures by combining multiple years of NSDUH data and using sampling weights and direct estimation. The advantage of this approach is that it can be used on any variable in the NSDUH dataset; however, the estimates typically are not as accurate as the estimates based on the SAE methods. These estimates have been included in some reports and tables on the SAMHSA Web site.

1.1 Summary of NSDUH Methodology

NSDUH is the primary source of statistical information on the use of illicit drugs, alcohol, and tobacco by the U.S. civilian, noninstitutionalized population aged 12 or older. Conducted by the Federal Government since 1971, the survey collects data by administering questionnaires to a representative sample of the population through face-to-face interviews at their place of residence. The survey is planned and managed by SAMHSA's Center for Behavioral Health Statistics and Quality (CBHSQ). The data are collected and processed by

RTI International³ through a contract with CBHSQ. This section briefly describes the national survey methodology; for further details, see Appendix A.

The survey covers residents of households, noninstitutional group quarters (e.g., shelters, rooming houses, dormitories), and civilians living on military bases. Persons excluded from the survey include homeless people who do not use shelters, active military personnel, and residents of institutional group quarters, such as prisons and long-term hospitals.

The 1999 survey marked the first year in which the national sample was interviewed using a computer-assisted interviewing (CAI) method. The survey used a combination of computer-assisted personal interviewing (CAPI) conducted by an interviewer and audio computer-assisted self-interviewing (ACASI). Use of ACASI is designed to provide the respondent with a highly private and confidential means of responding to questions and increases the level of honest reporting of illicit drug use and other sensitive behaviors. For further details on the development of the CAI procedures for the 1999 National Household Survey on Drug Abuse (NHSDA, the former name of NSDUH), see OAS (2001).

The 1999 through 2001 NHSDAs and the 2002 through 2010 NSDUHs employed a 50-State design with an independent, multistage area probability sample for each of the 50 States and the District of Columbia. For the 50-State design, 8 States were designated as large sample States (California, Florida, Illinois, Michigan, New York, Ohio, Pennsylvania, and Texas) with target sample sizes of 3,600 per year or 7,200 over a 2-year period. In 2009-2010, sample sizes in these States ranged from 5,900 to 7,375 (see [Table A.9](#)). For the remaining 42 States and the District of Columbia, the target sample size was 900 per year or 1,800 over a 2-year period. Sample sizes in these States ranged from 1,719 to 1,934 in 2009-2010. This approach ensures there is sufficient sample in every State to support SAE while at the same time maintaining efficiency for national estimates. The design also oversampled youths and young adults, so that each State's sample was approximately equally distributed among three major age groups: 12 to 17 years, 18 to 25 years, and 26 years or older.

In 2002, several changes were introduced to the survey. Incentive payments of \$30 were given to respondents for the first time in order to address concerns about the national and State response rates. Other changes included a change in the survey name, new data collection quality control procedures, and a shift from the 1990 decennial census to the 2000 census as a basis for population count totals and to calculate any census-related predictor variables that are used in the estimation.

An unanticipated result of these changes was that the prevalence rates for 2002 were in general substantially higher than those for 2001—higher than could be attributable to the usual year-to-year trend—and thus are not comparable with estimates for 2001 and prior years.⁴ Therefore, the 2002 NSDUH was established as a new baseline for both the national and the State estimates. Given the varying effects of the incentive and other changes, not only are the estimates for 2002 and later years not comparable with prior years, but the relative rankings of States also may have been affected. Therefore, the rankings of States for 2002-2003 or later

³ RTI International is a trade name of Research Triangle Institute, Research Triangle Park, North Carolina.

⁴ For an overview of the impact of these changes, see Section C.2 of Appendix C in OAS (2005).

should not be compared with those for prior years. By combining data across 2 years, the precision of the small area estimates for the small sample States, and thus their rankings, have been improved significantly. In addition, by combining 2 years of data, the impact of the national model on those States has been reduced significantly relative to estimates based on a single year's data.⁵

Nationally in 2009-2010, 289,943 addresses were screened, and 135,811 persons responded within the screened addresses (see [Table A.9](#) in Appendix A). The survey is conducted from January through December each year. The screening response rate (SRR) for 2009-2010 combined averaged 88.4 percent, and the interview response rate (IRR) averaged 75.1 percent, for an overall response rate (ORR) of 66.4 percent ([Table A.9](#)). The ORRs for 2009-2010 ranged from 52.2 percent in New York to 77.0 percent in South Dakota. Estimates in this report have been adjusted to reflect the probability of selection, unit nonresponse, poststratification to known census population estimates, item imputation, and other aspects of the estimation process. These procedures are described in the NSDUH methodological resource books (MRBs) (see http://www.samhsa.gov/data/Methodological_Reports.aspx).

The weighted SRR is defined as the weighted number of successfully screened households (or dwelling units)⁶ divided by the weighted number of eligible households, or

$$SRR = \frac{\sum w_{hh} complete_{hh}}{\sum w_{hh} eligible_{hh}},$$

where w_{hh} is the inverse of the unconditional probability of selection for the household (hh) and excludes all adjustments for nonresponse and poststratification.

At the person level, the weighted IRR is defined as the weighted number of respondents divided by the weighted number of selected persons, or

$$IRR = \frac{\sum w_i complete_i}{\sum w_i selected_i},$$

where w_i is the inverse of the probability of selection for the i^{th} person and includes household-level nonresponse and poststratification adjustments. To be considered a completed interview, a respondent must provide enough data to pass the usable case rule.⁷

⁵ Combining data across 2 years permits the estimation of change at the State level by expressing it as the difference of two consecutive 2-year SAE moving averages. Comparisons between the combined 2008-2009 data and the combined 2009-2010 data are presented in this report. This method is similar to the one used in the 2004-2005, 2005-2006, 2006-2007, 2007-2008, and 2008-2009 State reports (Hughes et al., 2008, 2009, 2010, 2011; Wright et al., 2007).

⁶ A successfully screened household is one in which all screening questionnaire items were answered by an adult resident of the household and either zero, one, or two household members were selected for the NSDUH interview.

⁷ The usable case rule requires that a respondent answer "yes" or "no" to the question on lifetime use of cigarettes and "yes" or "no" to at least nine additional lifetime use questions.

The weighted ORR is defined as the product of the weighted SRR and the weighted IRR
or

$$ORR = SRR \times IRR.$$

1.2 Format of Report and Presentation of Data

This report has six chapters, including this introductory chapter. Chapters 2 through 6 discuss the findings of the 2009-2010 State small area estimates and comparisons between 2008-2009 and 2009-2010, along with U.S. maps of estimates for States at the end of each chapter. Tables showing comparisons between 2002-2003 and 2009-2010 State estimates will be available on the SAMHSA Web site at <http://www.samhsa.gov/data/NSDUH/2k10State/NSDUHsae2010/Index.aspx>. Appendix A presents the State estimation methodology. Data tables are presented in Appendices B and C. Appendix D includes a discussion on other sources of State-level data. Information on the contributors to this report is provided in Appendix E.

1.2.1 Mental Disorders

To address SAMHSA's need for estimates of serious mental illness, any mental illness, and suicidal thoughts (i.e., suicidal ideation), several important changes were made to the adult mental health items in the 2008 NSDUH questionnaire.

In addition, as part of the Mental Health Surveillance Study (MHSS), a clinical follow-up study was initiated in which a randomly selected subsample of adults (about 1,500 in 2008, 2011, and 2012, and 500 in 2009 and 2010) who had completed the NSDUH interview was administered a standard clinical interview by mental health clinicians via paper and pencil over the telephone to determine their mental illness status; the clinical interview was used as a "gold standard" for measuring mental illness among adults. Using both the clinical interview and the NSDUH CAI data for the respondents who completed the clinical interview (using only 2008 data), statistical models were developed that then were applied to data from all adult respondents who had completed the NSDUH CAI interviews (regardless of whether they had clinical interview data) to produce estimates of mental illness among the adult civilian, noninstitutionalized population. Subsequently, using the entire clinical interview sample of approximately 5,000 interviews that were collected in 2008 to 2012, CBHSQ developed a more accurate statistical model for adults. This revised model incorporated the NSDUH respondent's age, past year suicidal thoughts, past year major depressive episode (MDE), and the variables that were specified in the 2008 model (i.e., the Kessler-6 [K6] and the World Health Organization Disability Assessment Schedule [WHODAS]). Results for serious mental illness and any mental illness from this revised model were closer to the direct estimates of serious mental illness and any mental illness from the clinical interviews in the MHSS than the previous model's results did, especially for young adults aged 18 to 25. See Section A.11 in Appendix A for a more complete discussion of the revised 2012 model and estimates.

Estimates of serious mental illness and any mental illness for 2008-2009 and 2009-2010 were produced using this new model and are presented in the Appendix B and C tables.

These tables and maps with revised estimates include a source note with the text (i.e., "Revised October 2013") to indicate that the estimates are based on the updated 2012 model.

These questionnaire changes caused discontinuities in trends for major depressive episode (i.e., depression) and serious psychological distress among adults aged 18 or older. As a result, adult depression and serious psychological distress estimates were excluded from the 2007-2008 State report. For youths aged 12 to 17, no questionnaire changes were made in 2008 that affected the estimation of youth depression items; so, estimates of youth depression have appeared in the 2004-2005 report and in all subsequent NSDUH State reports. An analysis was performed to better understand the nature of the changes in the reporting of adult depression associated with the questionnaire changes in 2008. This led to the development of statistical adjustments for the adult depression estimates for the years from 2005 to 2008; thus, comparable adult depression data are now available for the years 2005 and beyond. For more information about these changes, see Section A.11 in Appendix A of this report, Appendix B of the 2008 NSDUH national findings report (OAS, 2009), and Appendix B of the 2012 NSDUH mental health findings report (CBHSQ, in press).

1.2.2 Chapter and Appendix Information

Chapter 2 presents State estimates for the prevalence of illicit drug use, marijuana use, the perceived risk of marijuana use, incidence of marijuana use, illicit drug use other than marijuana, cocaine use, and the nonmedical use of pain relievers. Chapter 3 discusses analogous estimates of alcohol use, binge alcohol use, and the perceived risk of binge alcohol use. Chapter 4 presents estimates of tobacco use, cigarette use, and the perceived risk of heavy cigarette use. Chapter 5 discusses the substance use disorder and treatment need-related measures (i.e., alcohol or illicit drug dependence or abuse and needing but not receiving treatment). Chapter 6 presents estimates of serious mental illness, any mental illness, and suicidal thoughts among adults aged 18 or older, as well as major depressive episode (i.e., depression) among youths aged 12 to 17 and adults aged 18 or older. In Chapters 2 through 6, trends between 2008-2009 and 2009-2010 are discussed.

At the ends of Chapters 2 through 6, State model-based estimates are portrayed in U.S. maps showing all 50 States and the District of Columbia. The maps reflect the ranking of States into fifths from lowest to highest for each measure to simplify the discussion in the chapters. Appendix A describes the SAE methodology for 2009-2010. For more details on the SAE methodology, see Appendix E of the 2001 State report (Wright, 2003b). Also included in Appendix A are the State sample sizes and response rates for 2008, 2009, 2010, 2008-2009 combined, and 2009-2010 combined (Tables A.1 to A.14). Tables of model-based estimates for each substance use or mental health measure are included in Appendix B. The quintile rankings can be determined from these tables that include all 50 States and the District of Columbia, listed in alphabetical order, by 4 age categories. Tables comparing the 2008-2009 and 2009-2010 estimates are presented in Appendix C. Note that because the layout is very similar for the tables in Appendix C and the tables that will be available on SAMHSA's Web site comparing the 2002-2003 and 2009-2010 estimates, a larger font size has been deliberately used for the years in the titles of these tables so that a reader can quickly distinguish between the two sets of tables. Tables comparing estimates over various time periods are presented for the four U.S. geographic

regions in addition to State and age groups. These regions, defined by the U.S. Census Bureau, consist of the following groups of States:

Northeast Region - Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

Midwest Region - Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

South Region - Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

West Region - Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

Tables for individual States (and for the Nation as a whole and its census regions) are available on the SAMHSA Web site and display all of the estimates discussed in this report by the appropriate age categories (see <http://www.samhsa.gov/data/NSDUH/2k10State/NSDUHsae2010/Index.aspx>). Also available on the SAMHSA Web site are tables of the total number of persons associated with each measure corresponding to the estimated percentages or rates for each substance use or mental health measure in Appendix B (see <http://www.samhsa.gov/data/NSDUH/2k10State/NSDUHsae2010/Index.aspx>). Estimates for all persons aged 18 or older for all 25 measures are also available on the Web site.

1.2.3 Figures

The color of each State on the U.S. maps indicates how the State ranks relative to other States for each measure. States could fall into one of five groups according to their ranking by quintiles. Because there are 51 areas to be ranked for each measure, the middle quintile was assigned 11 areas and the remaining groups 10 each. In some cases, a "quintile" could have more or fewer States than desired because two (or more) States have the same estimate (to two decimal places). When such ties occurred at the "boundary" between two quintiles, all States with the same estimate were assigned to the lower quintile. Those States with the highest rates for a given measure are in red, with the exception of the perceptions of risk measures, for which the lowest perceptions of great risk are in red. Those States with the lowest estimates are in white, with the exception of the perceptions of risk measures, for which the highest perceptions of great risk are in white.

1.2.4 Confidence Intervals and Margins of Error

At the top of each table in Appendix B is the design-based national estimate along with a 95 percent design-based confidence interval, all of which are based on survey weights and the reported data. The State and regional estimates are model-based statistics (using SAE methodology) that have been adjusted such that the population-weighted mean of the estimates across the 50 States and the District of Columbia equals the design-based national estimate. For more details on this benchmarking, see Section A.6 in Appendix A. Associated with each State

and regional estimate is a 95 percent Bayesian confidence interval. These intervals indicate the uncertainty in the estimate due to both sampling variability and model bias. For example, the State with the highest estimated rate of past month use of marijuana for young adults aged 18 to 25 was Vermont, with a rate of 32.0 percent and a 95 percent confidence interval that ranged from 28.4 to 35.9 percent (Table B.3). Therefore, the probability is 0.95 that the true prevalence of past month marijuana use in Vermont for persons aged 18 to 25 is between 28.4 and 35.9 percent. Note that in NSDUH State reports prior to the 2008-2009 report, the term "prediction interval" (PI) was used to represent uncertainty in the State and regional estimates. However, that term also is used in other applications to estimate future values of a parameter of interest. That interpretation does not apply to NSDUH State report estimates, so PI was replaced with "Bayesian confidence interval."

Margin of error is another term used to describe uncertainty in the estimates. For example, if (l, u) is a 95 percent symmetric confidence interval for the population proportion (p) and \hat{p} is an estimate of p obtained from the survey data, then the margin of error of \hat{p} is given by $(u - \hat{p})$ or $(\hat{p} - l)$. Because (l, u) is a symmetric confidence interval, $(u - \hat{p})$ will be the same as $(\hat{p} - l)$. In this case, the probability is 0.95 that the true population value (p) is within $\pm(u - \hat{p})$ or $(\hat{p} - l)$ of the survey estimate (\hat{p}). The margin of error defined above will vary for each estimate and will be affected not only by the sample size (e.g., the larger the sample, the smaller the margin of error), but also by the sample design (e.g., telephone surveys using random digit dialing and surveys employing a stratified multistage cluster design will, more than likely, produce a different margin of error) (Scheuren, 2004).

The confidence intervals shown in NSDUH reports are asymmetric, meaning that the distance between the estimate and the lower confidence limit will not be the same as the distance between the upper confidence limit and the estimate. For example, Utah's past month marijuana use rate of 7.7 percent for persons aged 18 to 25 years (see Table B.3) is 1.8 (i.e., $7.7 - 5.9$) percentage points from the lower 95 percent confidence limit and 2.5 (i.e., $10.2 - 7.7$) percentage points from the upper limit. These asymmetric confidence intervals work well for small percentages often found in NSDUH reports while still being appropriate for larger percentages. Some surveys or polls provide only one margin of error for all reported percentages. This single number is usually calculated by setting the sample percentage estimate (\hat{p}) equal to 50 percent, which will produce an upper bound or maximum margin of error. Such an approach would not be feasible in this report because the estimates vary from less than 1 percent to over 75 percent; hence, applying a single margin of error to these estimates could significantly overstate or understate the actual precision levels. Therefore, given the differences mentioned above, it is more useful and informative to report the Bayesian confidence interval for each estimate instead of a margin of error.

In this report, State estimates are discussed in terms of their observed rankings because it provides a useful context. In Chapters 2 through 6, when it is indicated that a State has the highest or lowest rate, it does not imply that the State's rate is significantly higher or lower than the next highest or lowest State. When comparing two State prevalence rates, two overlapping 95 percent confidence intervals do not imply that their State prevalence rates are statistically equivalent at the 5 percent level of significance. For details on a more accurate test to compare State prevalence rates, see Section A.12 in Appendix A.

1.2.5 Comparisons of Estimates between Years

Comparisons between 2008-2009 and 2009-2010 are presented in Appendix C for 25 measures, by age group (see [Tables C.1 to C.26](#)). These tables show the estimates for 2008-2009 and 2009-2010 and a p value corresponding to a test of the hypothesis that there was "no change" over this period. The report discusses differences (i.e., increases or decreases) only if they are statistically significant at the 0.05 level of significance. These differences correspond to p values of 0.05 or less, which have been marked on the tables. In addition, p values greater than 0.05 but less than or equal to 0.10 have been marked on the tables to highlight other possible changes that may be of interest despite not quite reaching statistical significance. The methodology for testing for change involves fitting one model for 2008-2009 based on the predictor variables and the sample for those years and fitting a separate model for 2009-2010 based on the predictor variables and sample for those years. This methodology can lead to slightly different national models (i.e., models with slightly different model coefficients for the two sets of years). The change between 2008-2009 and 2009-2010 estimates the average yearly change between 2008 and 2010. "Average yearly change" indicates the change between 2008 and 2010 divided by 2. For more details on this topic, see Section A.13 in Appendix A on measuring change between years in State estimates.

1.2.6 Related Substance Use Measures

Throughout the report, there are a number of related drug use measures, such as marijuana use and illicit drug use. It might appear that one could draw conclusions by subtracting one from the other (e.g., subtracting the percentage who used illicit drugs other than marijuana in the past month from the percentage who used illicit drugs in the past month to find the percentage who only used marijuana in the past month). Because related measures have been estimated with different models, subtracting one measure from another related measure at the State or census region level in this report can give misleading results, perhaps even a "negative" estimate, and should be avoided. However, these comparisons can be made at the national level because these estimates are design-based estimates. For example, at the national level, subtracting cigarette use rates from tobacco use rates will give the rate of persons who did not use cigarettes, but used other forms of tobacco (as shown in Chapter 4).

1.3 Measures Presented in This Report

Estimates for 2009-2010 were developed for 25 measures of substance use and mental disorders:

- past month use of illicit drugs,
- past year use of marijuana,
- past month use of marijuana,
- perception of great risk of smoking marijuana once a month,

- average annual rate of first use of marijuana,⁸
- past month use of illicit drugs other than marijuana,
- past year use of cocaine,
- past year nonmedical use of pain relievers,
- past month use of alcohol,
- past month binge alcohol use,
- perception of great risk of having five or more drinks of an alcoholic beverage once or twice a week,
- past month use of tobacco products,
- past month use of cigarettes,
- perception of great risk of smoking one or more packs of cigarettes per day,
- past year alcohol dependence or abuse,
- past year alcohol dependence,
- past year illicit drug dependence or abuse,
- past year illicit drug dependence,
- past year dependence or abuse of illicit drugs or alcohol,
- needing but not receiving treatment for illicit drug use in the past year,
- needing but not receiving treatment for alcohol use in the past year,
- serious mental illness in the past year,
- any mental illness in the past year,
- serious thoughts of suicide in the past year, and
- past year major depressive episode (i.e., depression).

For all measures except serious mental illness, any mental illness, suicidal thoughts, and depression, there are separate estimates for three age groups (12 to 17, 18 to 25, and 26 or older) and a combined estimate for those aged 12 or older. For serious mental illness, any mental

⁸ For details on how the average annual rate of first use of marijuana (incidence of marijuana) is calculated, see Section A.8 in Appendix A.

illness, suicidal thoughts, and depression, estimates are shown for two age groups (18 to 25 and 26 or older) and a combined estimate for those aged 18 or older. In addition, estimates of depression among youths aged 12 to 17 are presented. Estimates of past month alcohol use and binge alcohol use also are presented for those aged 12 to 20.

Statistical tests of differences between 2008-2009 and 2009-2010 were conducted for all 25 measures. Results of these statistical tests are available for the first time for three mental health measures, namely, serious mental illness, any mental illness, and suicidal thoughts.

1.4 Other NSDUH Reports and Products

The national results from the 2010 NSDUH were released in September 2011 (CBHSQ, 2011) and in January 2012 (CBHSQ, 2012b). Similarly, the national results from the 2011 NSDUH were released in September 2012.

Additional methodological information on the survey, including the questionnaire, is available on the CBHSQ Web site at http://www.samhsa.gov/data/Methodological_Reports.aspx. Brief descriptive reports and in-depth analytic reports focusing on specific issues or population groups also are produced by CBHSQ. Further information on accessing NSDUH publications, detailed tables, and public use files is contained in "Accessing Data from the National Survey on Drug Use and Health (NSDUH)" (OAS, 2004). A complete listing of previously published reports from NSDUH and other data sources is available from CBHSQ. Most of these reports are available through the Internet (<http://www.samhsa.gov/data/NSDUH.aspx>). In addition, CBHSQ makes public use data files available to researchers through the Substance Abuse and Mental Health Data Archive (SAMHDA). Currently, data files are available for online analysis from the 1979 to 2011 NSDUHs at <http://www.datafiles.samhsa.gov>.

Estimates for substate planning areas based on combined 2008-2010 NSDUH data are available at <http://www.samhsa.gov/data/NSDUH/substate2k10/toc.aspx>. The substate planning area definitions for all 50 States and the District of Columbia are based on the areas for substate allocation of funds under SAMHSA's Substance Abuse Prevention and Treatment (SAPT) block grant. Substate area estimates based on combined 2008-2010 data are available for all measures listed in Section 1.3. Comparisons between 2006-2008 and 2008-2010 also are available. For this comparison, the 2006-2008 substate small area estimates were reproduced using the 2008-2010 substate region definitions. Along with the substate estimates, comparable State, regional, and national estimates are summarized in tables along with maps that indicate the distribution of prevalence rates across the United States. The methodology used for producing substate estimates is similar to the SAE methodology used to produce the State estimates in this report.

1.5 Revised 2006-2010 Estimates

During regular data collection and processing checks for the 2011 NSDUH, data errors were identified. These errors affected the data for Pennsylvania (2006-2010) and Maryland (2008-2009). Cases with erroneous data were removed from the data files, and the remaining cases were reweighted to provide representative estimates. Therefore, some estimates using 2006-2010 NSDUH data in the 2011 national findings report and detailed tables, as well as other new reports (including this report), will contain estimates that differ from corresponding

estimates found in some previous reports. All of the tables and maps in this report have a source note (i.e., "Revised March 2012") on them to indicate that they are based on updated NSDUH data (excluding the erroneous data for Pennsylvania and Maryland).

The errors had minimal impact on the national estimates and no effect on direct estimates for the other 48 States and the District of Columbia. The direct estimates for an area (e.g., a State or substate) are only based on its data. However, in reports such as the current one, where model-based SAE techniques are used, estimates for all States may be affected, even though the errors were concentrated in only two States. This is because the model-based estimate for a given State is a combination of the direct estimate for that State and the State estimate obtained from a national model. The national model, which has estimated parameter coefficients based on data from all States, changed when the erroneous Pennsylvania and Maryland data were removed and the remaining cases were reweighted. As a result, the model-based estimates in all States changed, although the most notable changes occurred in Pennsylvania and Maryland because the direct estimates in those States changed, as did their estimates based on the national model. In reports that do not use model-based estimates, the only estimates appreciably affected were estimates for Pennsylvania, Maryland, the mid-Atlantic division, and the Northeast region.

In this current report, the 2009-2010 and 2008-2009 model-based State estimates are based on the corrected data. Thus, the 2008-2009 estimates presented here in Appendices A and C may not match the 2008-2009 estimates shown in prior reports, including the July 2012 version of this report.

2. Illicit Drug Use

The National Survey on Drug Use and Health (NSDUH) obtains information on nine different categories of illicit drug use: marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, and the nonmedical use of prescription-type pain relievers, tranquilizers, stimulants, and sedatives. Estimates of "illicit drug use" reported from NSDUH reflect the use of any of the nine drug categories listed above. Use of alcohol and tobacco products, while illegal for youths, is not included in these estimates, but is discussed in Chapters 3 and 4. This chapter presents State estimates of any illicit drug use, marijuana use, perceptions of risk of marijuana use, incidence of marijuana use (i.e., first-time use), use of illicit drugs other than marijuana, cocaine use, and nonmedical use of pain relievers.

2.1 Illicit Drugs

In 2009-2010, 8.8 percent of the U.S. population aged 12 or older used an illicit drug in the past month, and this rate was higher than the rate in 2008-2009 (8.4 percent) (see [Table C.1](#) in Appendix C). Each of the four census regions also exhibited a higher rate in 2009-2010 compared with 2008-2009. In 2009-2010, past month use of illicit drugs among persons aged 12 or older ranged from 5.3 percent in North Dakota to 14.2 percent in Alaska (see [Table B.1](#) in Appendix B). Colorado, Massachusetts, New Hampshire, Oregon, Rhode Island, and Vermont were in the highest fifth for persons aged 12 or older and for each of the age groups (12 to 17, 18 to 25, and 26 or older) ([Figures 2.1](#) to [2.4](#)).

Between 2008-2009 and 2009-2010, rates of past month illicit drug use among persons aged 12 or older increased in eight States (Colorado, District of Columbia, Idaho, Maryland, Michigan, Texas, Virginia, and Washington). Only Hawaii's rate decreased. Among youths aged 12 to 17, the only two increases occurred in California and the District of Columbia; there were no decreases among 12 to 17 year olds in any State. Between 2008-2009 and 2009-2010, seven States had increases in past month illicit drug use among those aged 18 to 25 (Florida, Idaho, Illinois, Massachusetts, New Mexico, Pennsylvania, and Washington); no States experienced decreases in that age group. There were increases among those aged 26 years or older in Colorado, Michigan, and Virginia; only Hawaii's rate decreased in that age group (from 10.2 percent in 2008-2009 to 7.4 percent in 2009-2010) ([Table C.1](#)).

2.2 Marijuana

In 2009-2010, past month marijuana use was reported by 6.8 percent of the U.S. population aged 12 years or older, an increase from 6.4 percent in 2008-2009 ([Table C.3](#)). Nine States that were in the top fifth for past month illicit drug use among persons aged 12 or older also were ranked in the top fifth for past month marijuana use: Alaska, Colorado, District of Columbia, Maine, Massachusetts, New Hampshire, Oregon, Rhode Island, and Vermont ([Figures 2.1](#) and [2.9](#)).

Seven States were ranked in the top fifth for past month marijuana use in age groups 12 to 17, 18 to 25, 26 or older, and 12 or older: Colorado, Maine, Massachusetts, New Hampshire, Oregon, Rhode Island, and Vermont ([Figures 2.9](#) to [2.12](#)). The rate of past month marijuana use

in the 12 or older population ranged from 3.1 percent in Utah to 11.8 percent in Alaska (Table B.3). Utah had the lowest rate in all age groups. Between 2008-2009 and 2009-2010, past month marijuana use among persons 12 or older increased in 10 States: Colorado, District of Columbia, Idaho, Illinois, Massachusetts, Michigan, New Mexico, Oklahoma, Texas, and Washington (Table C.3). During the same time period, past month marijuana use increased in one State among 12 to 17 year olds (District of Columbia), eight States among 18 to 25 year olds (Florida, Illinois, Iowa, New Mexico, North Carolina, Oklahoma, Pennsylvania, and Washington), and four States among persons aged 26 or older (District of Columbia, Idaho, Michigan, and Texas). Decreases only occurred in two States: Tennessee, among persons aged 12 or older, and Utah, among youths aged 12 to 17. All four census regions had higher rates of past month marijuana use among persons aged 12 or older in 2009-2010 compared with 2008-2009.

In 2009-2010, an estimated 11.5 percent of persons aged 12 or older in the United States reported marijuana use in the past year, an increase from 10.9 percent in 2008-2009 (Table C.2). Of the age groups 12 to 17, 18 to 25, and 26 or older, persons aged 18 to 25 accounted for the highest rate of past year marijuana use (30.4 percent). Utah had the lowest rate (6.9 percent) of past year marijuana use among persons aged 12 or older, while Alaska had the highest rate in that age group (17.5 percent). Similar to past month marijuana use, Utah had the lowest rate for past year marijuana use in all age groups. Seven States (Colorado, Massachusetts, Montana, New Hampshire, Oregon, Rhode Island, and Vermont) were in the top fifth for past year marijuana use among persons aged 12 or older and in all three age groups (12 to 17, 18 to 25, and 26 or older) (Figures 2.5 to 2.8). Seventeen States experienced changes in past year marijuana use among persons aged 12 or older between 2008-2009 and 2009-2010: Arkansas' rate decreased, whereas California, Colorado, Connecticut, District of Columbia, Idaho, Illinois, Iowa, Massachusetts, Michigan, Montana, New Jersey, New Mexico, Pennsylvania, Rhode Island, South Carolina, and Texas had increases. Similar to past month marijuana use, there were increases between 2008-2009 and 2009-2010 in past year marijuana use rates among persons aged 12 or older in the Northeast (from 12.0 to 12.9 percent), Midwest (from 10.4 to 10.8 percent), South (from 9.6 to 9.9 percent), and West (from 12.6 to 13.4 percent) regions of the United States (Table C.2).

2.3 Perceptions of Risk of Marijuana Use

An individual's perception of the risks of substance use has been shown to be inversely related to whether he or she actually uses the substance (e.g., Bachman, Johnston, & O'Malley, 1998). Of the 10 States that ranked in the highest fifth for past month marijuana use among persons aged 12 or older in 2009-2010, 9 States (Alaska, Colorado, District of Columbia, Maine, Massachusetts, New Hampshire, Oregon, Rhode Island, and Vermont) were included in the lowest fifth for the perceived great risk of smoking marijuana once a month (Figures 2.9 and 2.13).

Perceived great risk of marijuana use once a month among persons 12 or older ranged from 22.3 percent in Colorado to 45.2 percent in Mississippi (Table B.4). The correspondence between the State-level estimates for perceived great risk of smoking marijuana once a month (2009-2010) and past month marijuana use (2009-2010) can be further clarified with the following examples. Alaska, with 11.8 percent of people aged 12 or older using marijuana in the past month, ranked in the top fifth for marijuana use; in the same State, 24.4 percent perceived

smoking marijuana once a month as a great risk, which ranked in the lowest fifth compared with the other States (Tables B.3 and B.4; Figures 2.9 and 2.13). On the other hand, Alabama, which ranked in the lowest fifth for past month marijuana use (4.9 percent), had one of the highest rates (41.0 percent) of perceived great risk of smoking marijuana (Tables B.3 and B.4; Figures 2.9 and 2.13). Among youths aged 12 to 17, 7 of the 10 States that ranked in the highest fifth for past month marijuana use also ranked in the lowest fifth for perceived great risk of smoking marijuana once a month (Colorado, District of Columbia, Massachusetts, New Hampshire, Oregon, Rhode Island, and Vermont) (Figures 2.10 and 2.14).

Between 2008-2009 and 2009-2010, the national percentage of persons aged 12 or older perceiving a great risk of smoking marijuana once a month decreased from 35.8 to 33.6 percent (Table C.4). Decreases in the national rates occurred in every age group, including among youths aged 12 to 17 (from 31.8 to 29.9 percent). Declines also were observed in every age group within all four census regions. Twenty States showed decreases in the perceived great risk of smoking marijuana once a month among persons aged 12 or older: Alaska, Arizona, California, Colorado, Delaware, District of Columbia, Illinois, Kentucky, Maine, Michigan, Montana, Nebraska, Nevada, New Mexico, Ohio, Oregon, Texas, Vermont, West Virginia, and Wisconsin. Between 2008-2009 and 2009-2010, 16 States showed decreases in this rate for youths aged 12 to 17: California, Connecticut, Florida, Illinois, Iowa, Louisiana, Maryland, Massachusetts, Michigan, Missouri, Montana, New Mexico, New York, Oklahoma, Rhode Island, and Virginia. Over the same time period, this rate decreased in 22 States among persons aged 18 to 25 and decreased in 15 States among persons aged 26 or older. No increases were observed in any State or age group.

2.4 Incidence of Marijuana Use

Related to the prevalence of marijuana use is the number of persons who used marijuana for the first time ever over a specific period of time. In this report, the incidence of marijuana use is defined as the number of persons who used marijuana for the first time during a 2-year period preceding the survey interview. Unlike annual estimates presented in the NSDUH national findings report (Center for Behavioral Health Statistics and Quality [CBHSQ], 2011), this report averages data over a 2-year period and calculates the annualized marijuana incidence rate (expressed as a rate per 100 person-years of exposure).⁹ For the combined years 2009-2010, the national marijuana incidence rate for persons aged 12 or older was 1.8 percent (Table B.5). In 2009-2010, Colorado had the highest rate (2.8 percent), and Alabama, Louisiana, Mississippi, Tennessee, Utah, and West Virginia had the lowest rate (1.4 percent) among persons aged 12 or older (Table B.5).

Nine States (Alaska, Colorado, District of Columbia, Massachusetts, Montana, New Hampshire, Oregon, Rhode Island, and Vermont) that were ranked in the top fifth for past month marijuana use in the 12 or older age group also had a similar standing for marijuana incidence (Figures 2.9 and 2.17). Most initiations of marijuana take place at age 25 or earlier (Gfroerer,

⁹ *Average annual marijuana initiation rate* = $100 * \{ [X_1 + (0.5 * X_1 + X_2)] \div 2 \}$, where X_1 is the number of marijuana initiates in the past 24 months and X_2 is the number of persons who never used marijuana. Note that because the average annual incidence of marijuana was so low for the 26 or older age group and had such an abbreviated range, no map has been included for it; however, Table B.5 in Appendix B includes these estimates. For details on how the average annual incidence of marijuana use was calculated, see Section A.8 in Appendix A.

Wu, & Penne, 2002). It follows that the rates of initiation in the 26 or older age group were much lower than those in the 18 to 25 and 12 to 17 age groups. In 2009-2010, the national rates of marijuana initiation were 5.9, 7.3, and 0.2 percent for persons aged 12 to 17, 18 to 25, and 26 or older, respectively. Colorado had the highest rate of youths initiating marijuana between the ages of 12 and 17 (9.3 percent), while Utah had the lowest rate (4.0 percent) in this age group. With respect to marijuana initiation between the ages of 18 and 25, the rate ranged from 4.0 percent in Utah to 12.5 percent in Vermont. Seven States (Colorado, Connecticut, District of Columbia, Massachusetts, Montana, New Hampshire, and Vermont) were in the top fifth for marijuana incidence for persons aged 12 to 17, 18 to 25, and 12 or older, whereas five States (Alabama, Arkansas, Louisiana, Mississippi, and Utah) were in the bottom fifth corresponding to the lowest initiation rates in those three age groups (Figures 2.17 to 2.19).

Between 2008-2009 and 2009-2010, the marijuana incidence rate among persons aged 12 or older increased in eight States (Colorado, Iowa, Montana, New Hampshire, New Jersey, Pennsylvania, Texas, and West Virginia). Increases occurred among 12 to 17 year olds in Colorado, New Hampshire, and New Jersey and among 18 to 25 year olds in Connecticut, Illinois, and Montana. Across all States and age groups, only Wisconsin's rate among 18 to 25 year olds decreased (from 8.4 to 7.0 percent) (Table C.5). There was an increase in the Northeast census region among persons aged 12 or older (from 1.8 to 1.9 percent).

2.5 Illicit Drugs Other Than Marijuana

Illicit drugs other than marijuana include cocaine, heroin, hallucinogens, inhalants, and the nonmedical use of prescription-type pain relievers, tranquilizers, stimulants, and sedatives. For the years 2009-2010 combined, the national estimate of past month use of illicit drugs other than marijuana among persons aged 12 or older was 3.6 percent (Table B.6). Iowa, North Dakota, and South Dakota had the lowest rate (2.4 percent), and Rhode Island had the highest rate (4.8 percent) among persons aged 12 or older. Seven States (District of Columbia, Massachusetts, New Hampshire, Oregon, Rhode Island, Vermont, and Washington) that were in the top fifth for past month use of illicit drugs among those aged 12 or older also had a similar standing for past month use of an illicit drug other than marijuana (Figures 2.1 and 2.20).

Nationally and in all census regions, between 2008-2009 and 2009-2010, there were no changes in the past month use of illicit drugs other than marijuana in any of the age groups presented (Table C.6). Eight States showed changes among persons aged 12 or older. Of them, Colorado, New Jersey, Vermont, Virginia, Washington, and Wyoming had increases, while Hawaii and Kentucky had decreases.

2.6 Cocaine

In 2009-2010, the national prevalence of past year cocaine use among persons aged 12 or older was 1.9 percent, which was a decline from 2.0 percent in 2008-2009 (Table C.7). Because cocaine is one of the substances included in the "illicit drug use other than marijuana" category, it is useful to compare the rankings of States with respect to these two measures. In 2009-2010, six States (District of Columbia, Massachusetts, Nevada, New Hampshire, Rhode Island, and Vermont) were ranked in the highest fifth for both past month use of an illicit drug other than marijuana (aged 12 or older) and past year use of cocaine (aged 12 or older) (Figures 2.20 and

2.24). Three States (Colorado, New Hampshire, and Vermont) were ranked in the top fifth for past year cocaine use in all three age groups (12 to 17, 18 to 25, and 26 or older) and overall for those aged 12 or older (Figures 2.24 to 2.27). State-level rates among persons aged 12 or older ranged from 1.0 percent in Alabama, Iowa, and North Dakota to 3.1 percent in Colorado, District of Columbia, and Vermont. The District of Columbia and South Carolina stand out for their ranking in the lowest fifth for those aged 12 to 17 and the highest fifth for those aged 26 or older (Figures 2.25 and 2.27).

Between 2008-2009 and 2009-2010, 10 States showed decreases in past year cocaine use among persons aged 12 or older: Delaware, Indiana, Louisiana, Michigan, Minnesota, New York, Oregon, Rhode Island, West Virginia, and Wisconsin. Among persons aged 18 to 25 (the age group with the highest rates of past year cocaine use), decreases were observed in 13 States. No States showed increases in any age group. In the Midwest, there were decreases in past year cocaine use among persons aged 18 to 25, 26 or older, and 12 or older (Table C.7).

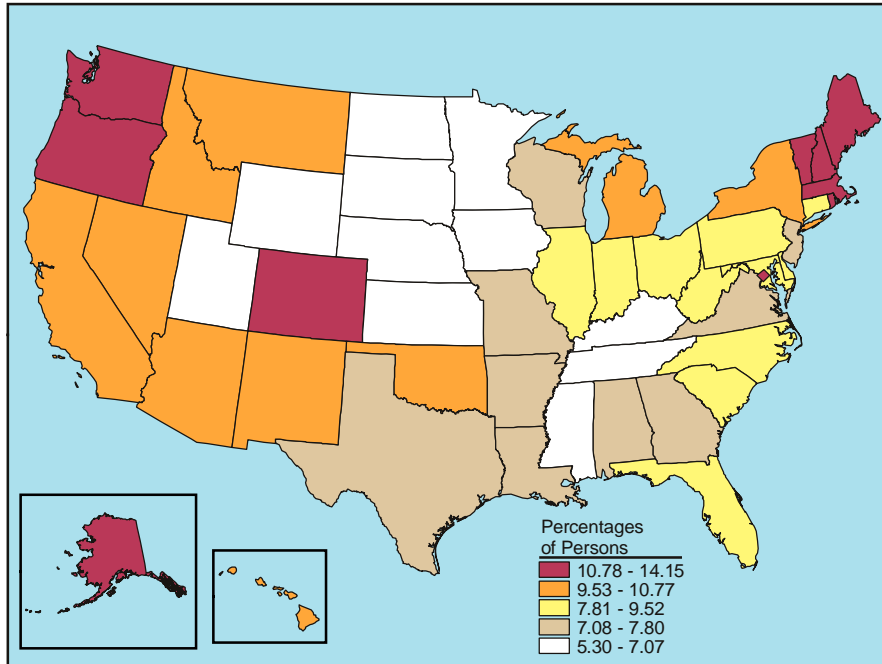
2.7 Pain Relievers (Nonmedical Use)

Nonmedical use of prescription-type pain relievers is defined as use of these drugs without a prescription or use that occurred simply for the experience or feeling the drug caused. Over-the-counter (OTC) use and legitimate use of prescription-type pain relievers are not included. In 2009-2010, 4.9 percent of persons aged 12 or older nationwide reported having used pain relievers nonmedically in the past year, which was similar to the rate in 2008-2009 (4.9 percent) (Table C.8). This rate decreased nationally among persons aged 18 to 25 (from 12.0 to 11.5 percent), but remained unchanged for persons aged 12 to 17 and 26 or older.

In 2009-2010, Oklahoma had the highest percentage (7.0 percent) of persons aged 12 or older using pain relievers for nonmedical purposes in the past year, and South Dakota had the lowest rate (3.6 percent) (Table B.8). Oklahoma and Oregon were ranked in the top fifth of States for this measure in age groups 12 to 17, 18 to 25, and 26 or older, as well as for the total population aged 12 or older. Illinois and Nebraska were ranked in the lowest fifth in each of these age groups (Figures 2.28 to 2.31).

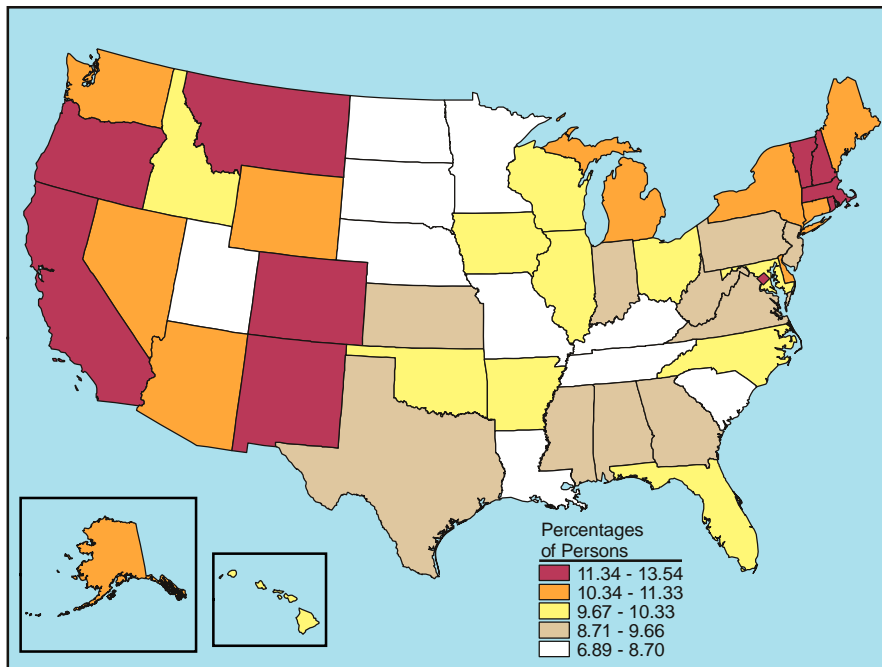
Between 2008-2009 and 2009-2010, past year nonmedical use of pain relievers among persons aged 12 or older increased in Missouri and Wyoming and decreased in Hawaii and Oklahoma. Among 12 to 17 year olds, Michigan's rate decreased from 7.4 to 6.4 percent, while among persons aged 26 or older, Missouri's and Wyoming's rates increased (from 2.9 to 3.6 percent and from 2.5 to 3.2 percent, respectively). Among persons aged 18 to 25, three States (Hawaii, North Carolina, and Utah) showed decreases between these time periods. There were no other changes at the State level in any of the age groups.

Figure 2.1 *Illicit Drug Use in Past Month among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



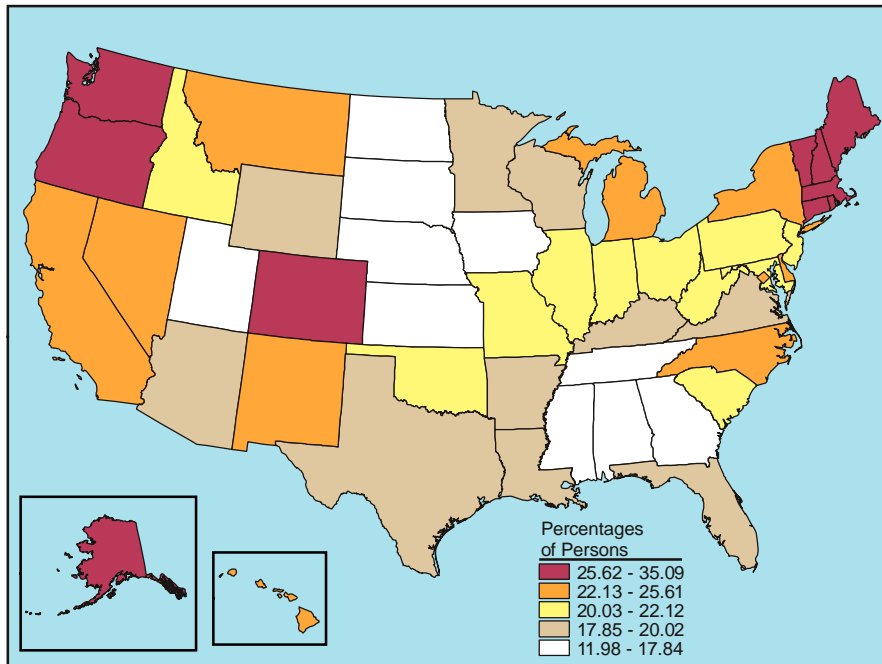
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.2 *Illicit Drug Use in Past Month among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



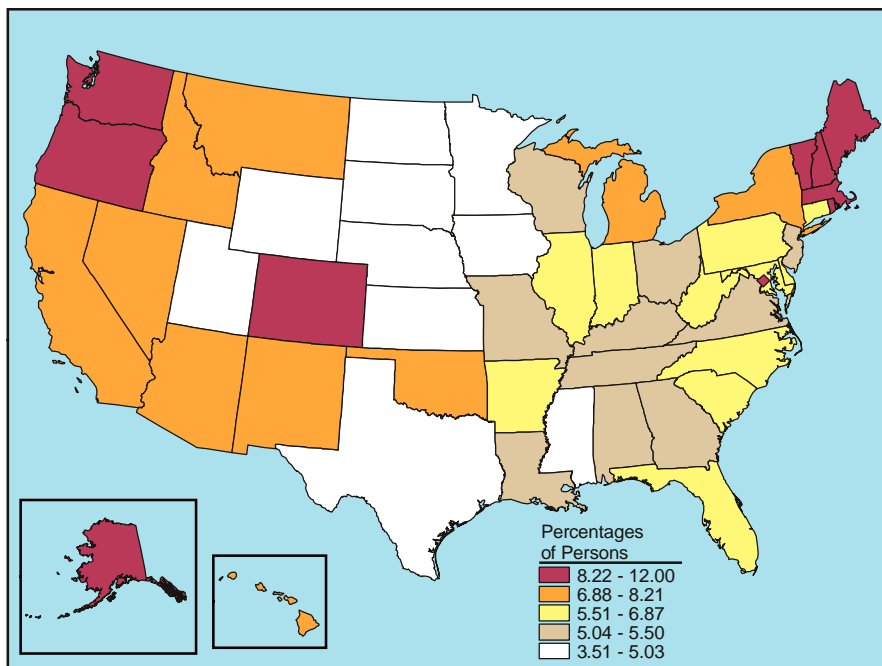
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.3 *Illicit Drug Use in Past Month among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



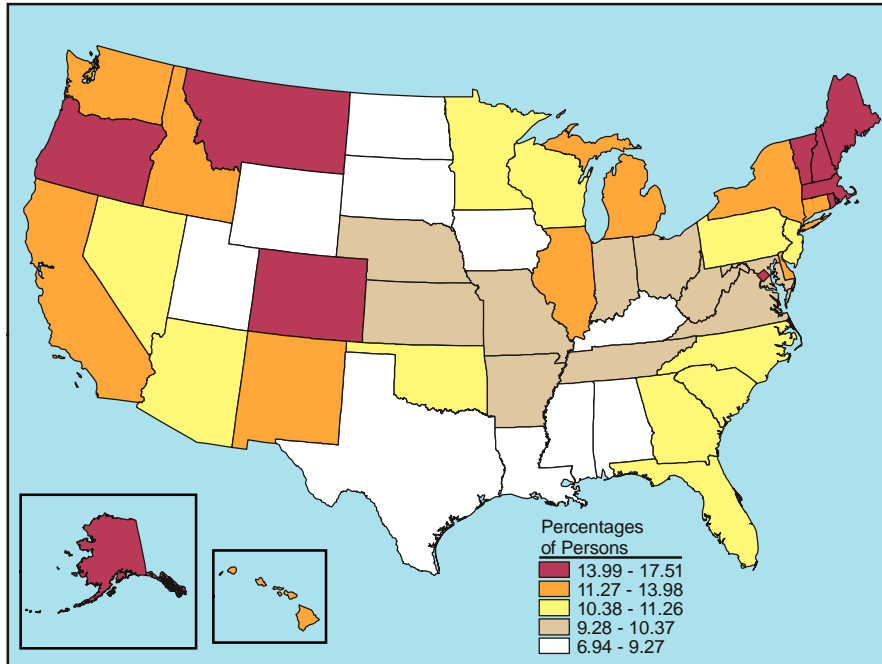
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.4 *Illicit Drug Use in Past Month among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



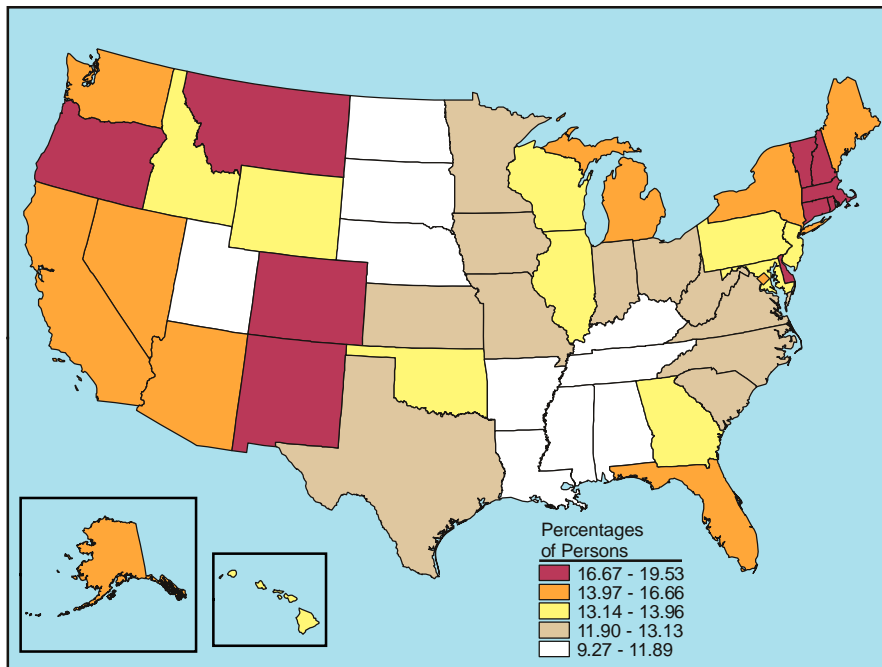
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.5 *Marijuana Use in Past Year among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



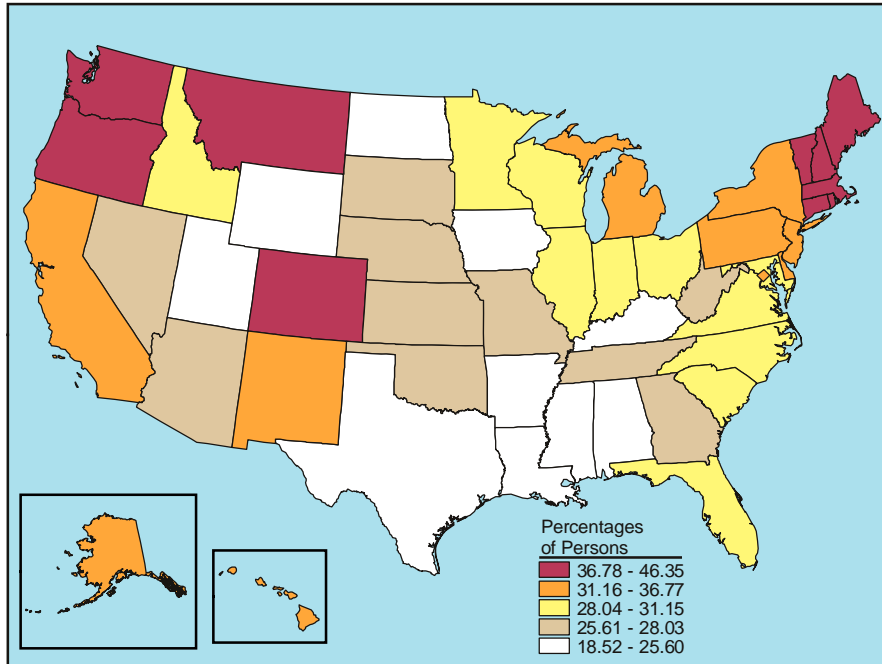
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.6 *Marijuana Use in Past Year among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



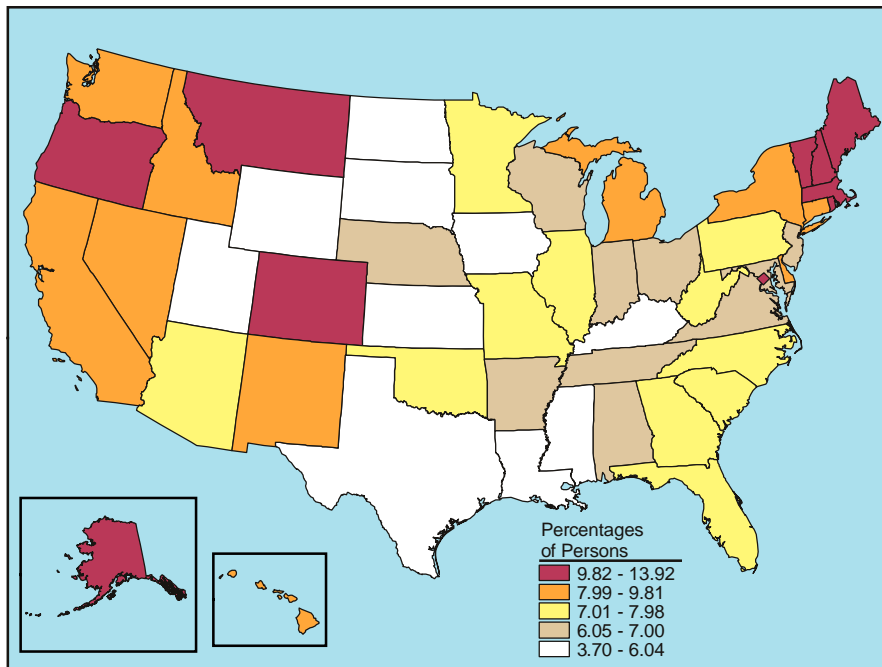
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.7 *Marijuana Use in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



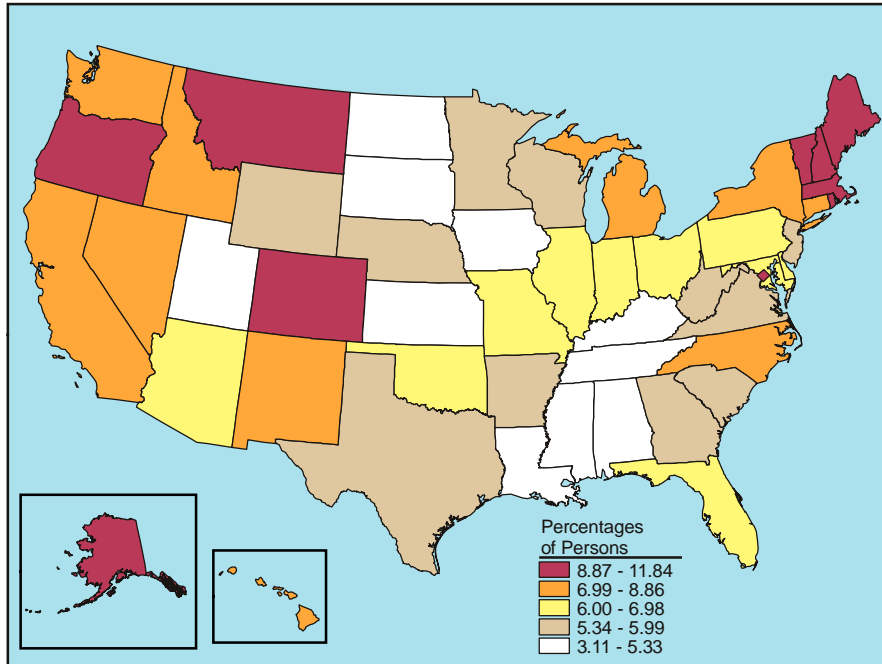
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.8 *Marijuana Use in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



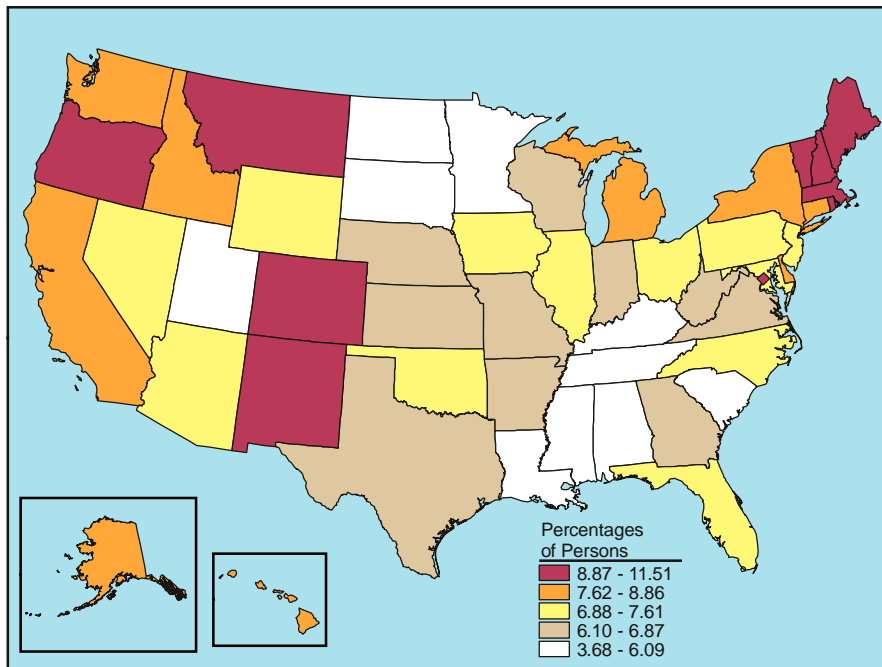
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.9 *Marijuana Use in Past Month among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



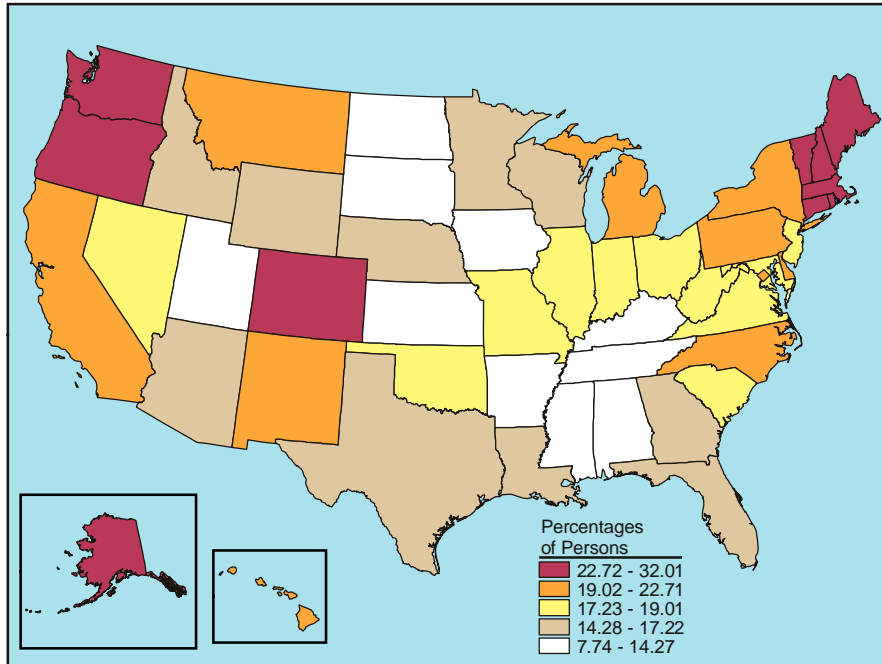
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.10 *Marijuana Use in Past Month among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



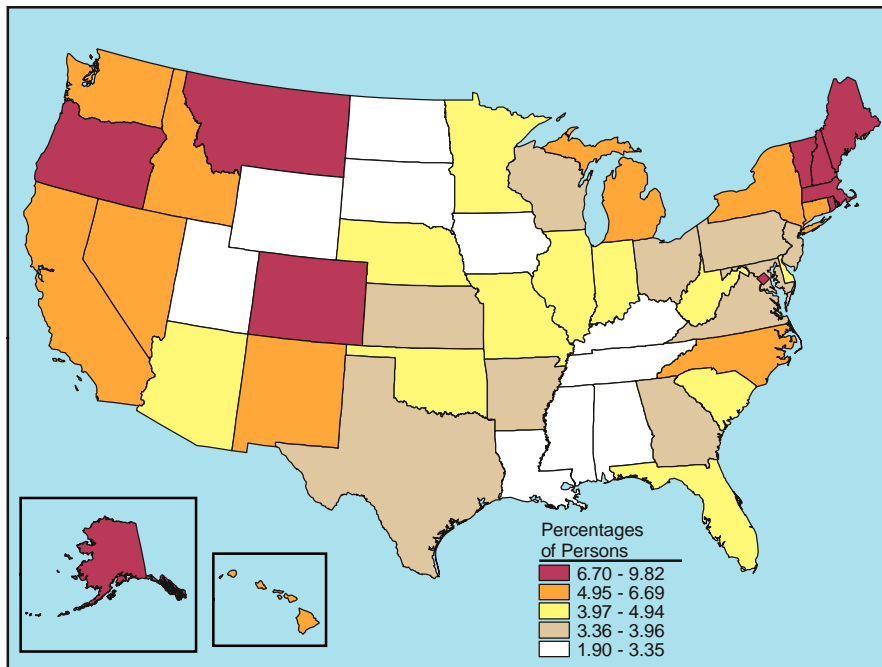
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.11 Marijuana Use in Past Month among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs



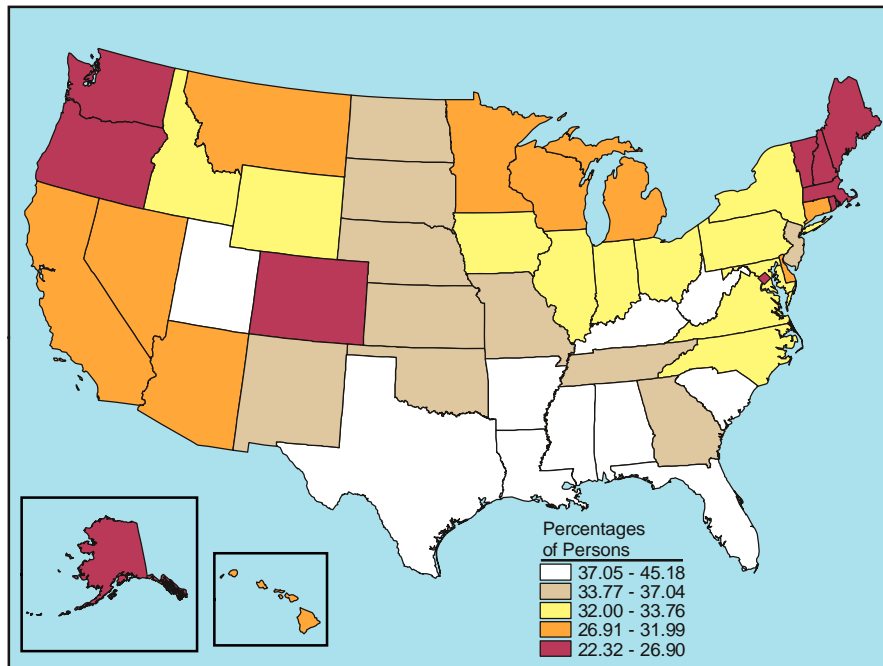
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.12 Marijuana Use in Past Month among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs



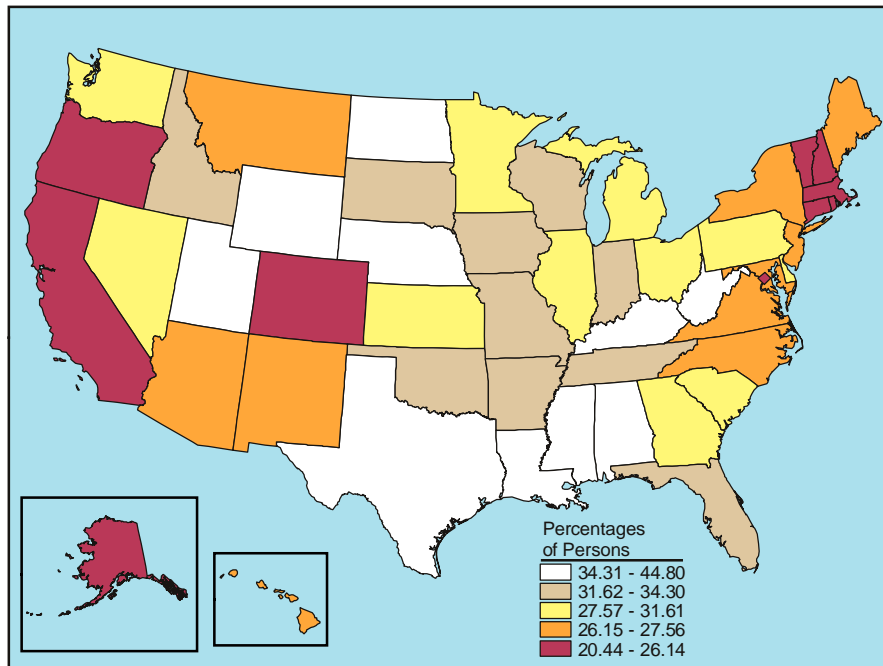
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.13 *Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



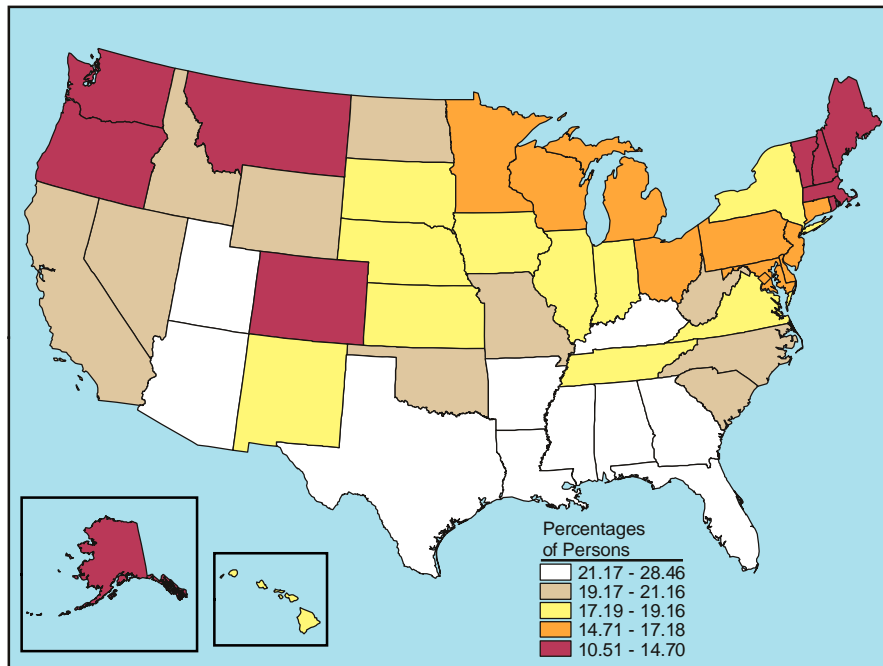
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.14 *Perceptions of Great Risk of Smoking Marijuana Once a Month among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



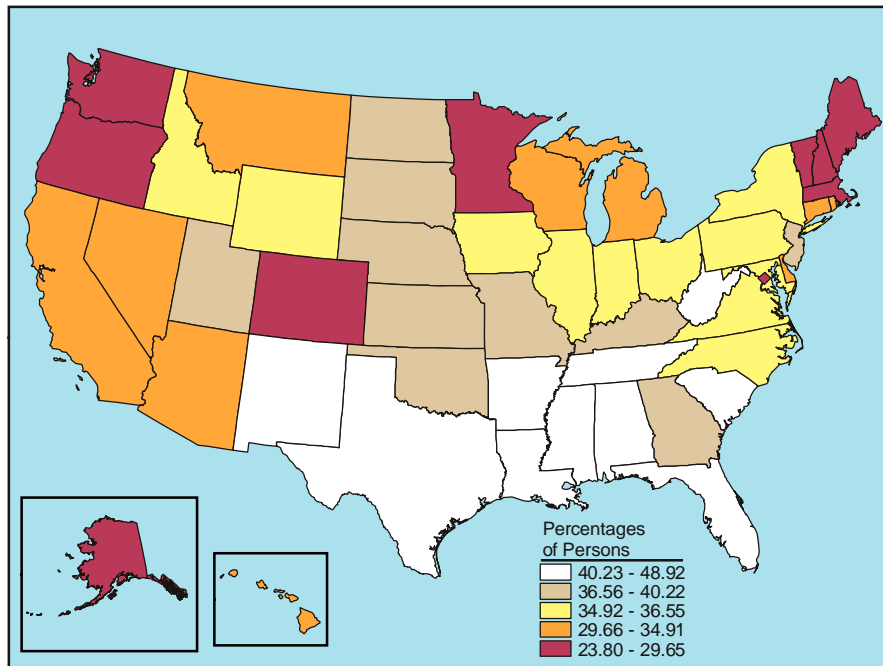
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.15 *Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



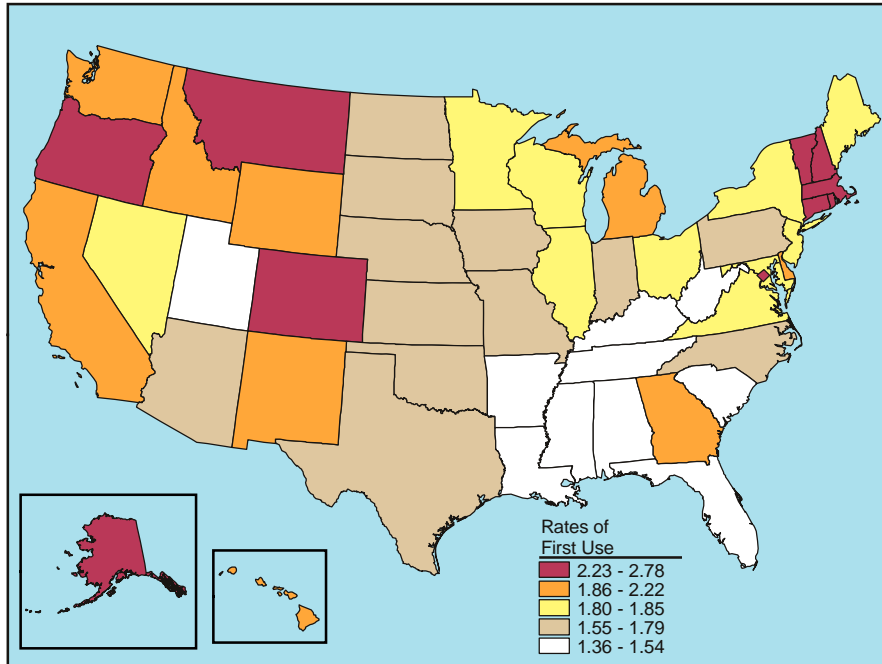
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.16 *Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



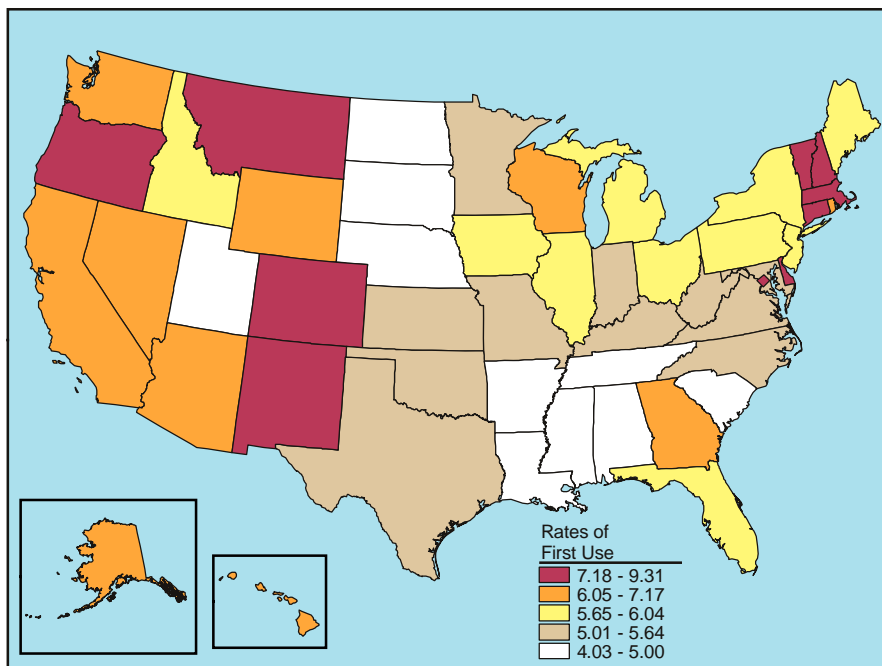
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.17 *First Use of Marijuana among Persons Aged 12 or Older, by State: Average Annual Rates Based on 2009 and 2010 NSDUHs*



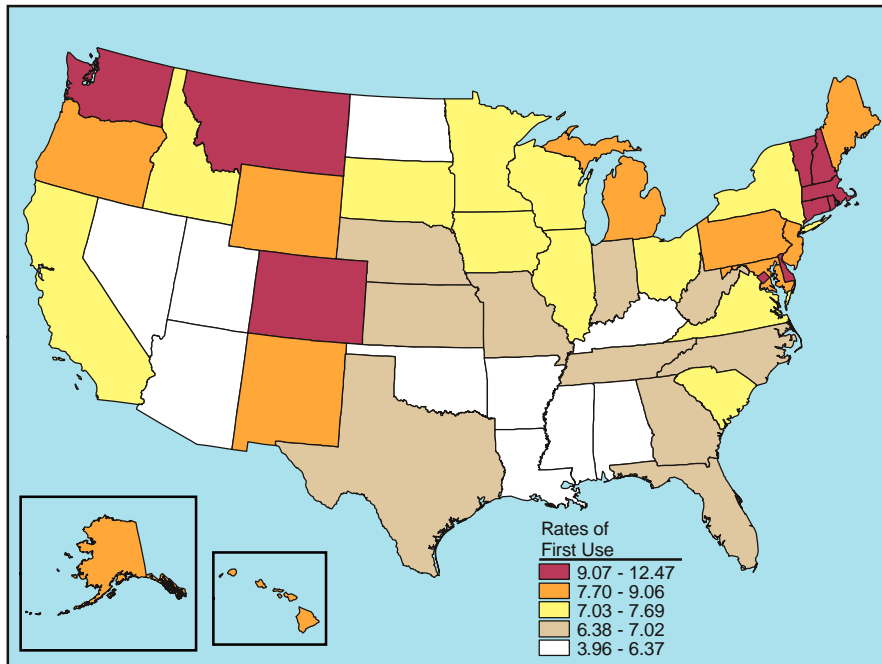
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.18 *First Use of Marijuana among Youths Aged 12 to 17, by State: Average Annual Rates Based on 2009 and 2010 NSDUHs*



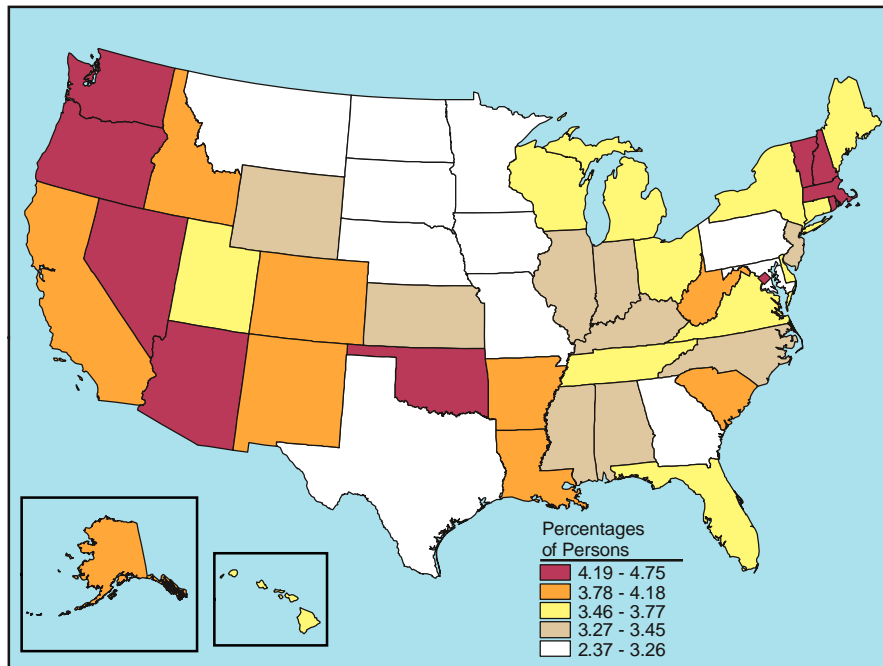
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.19 *First Use of Marijuana among Persons Aged 18 to 25, by State: Average Annual Rates Based on 2009 and 2010 NSDUHs*



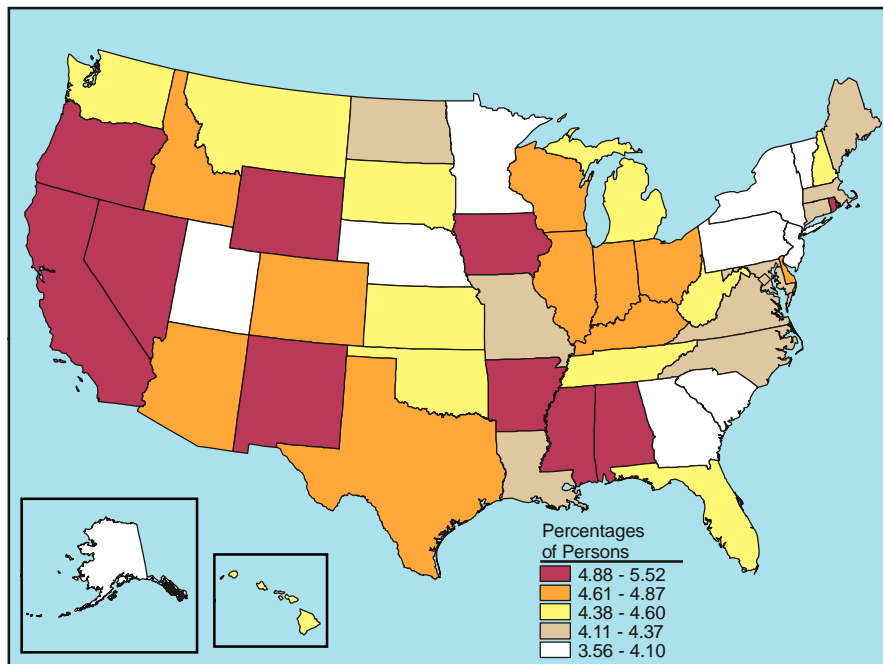
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.20 *Illicit Drug Use Other Than Marijuana in Past Month among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



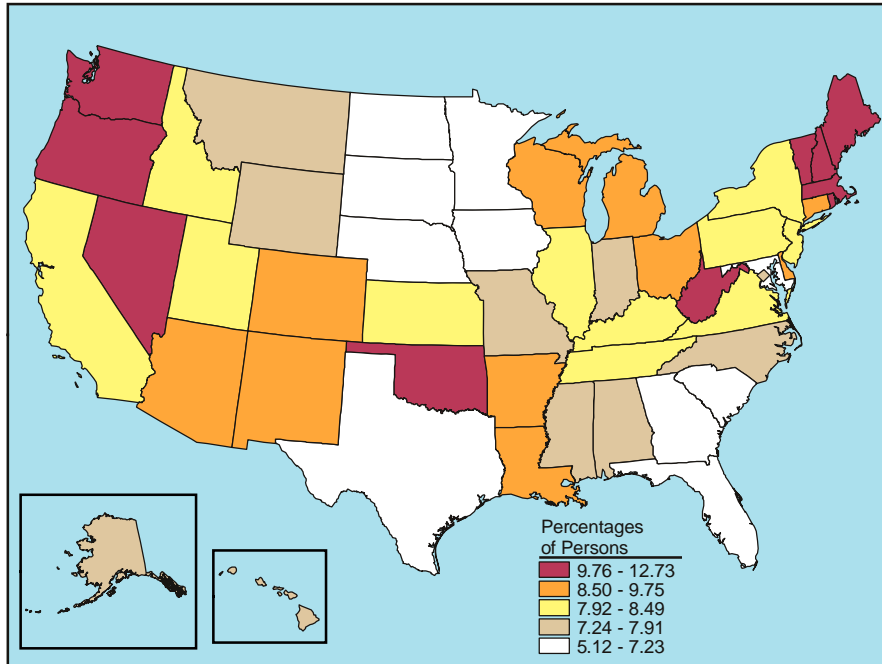
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.21 *Illicit Drug Use Other Than Marijuana in Past Month among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



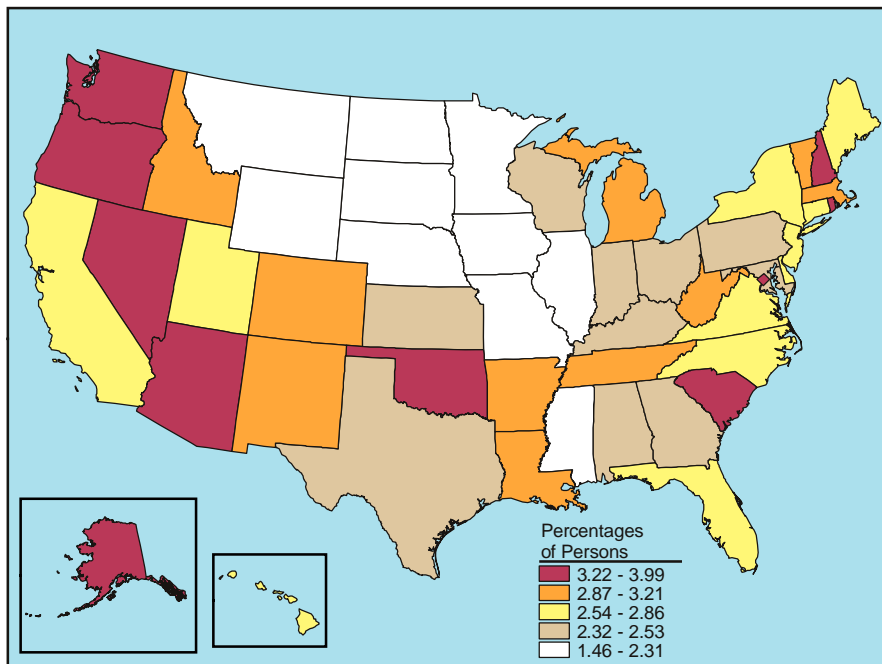
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.22 *Illicit Drug Use Other Than Marijuana in Past Month among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



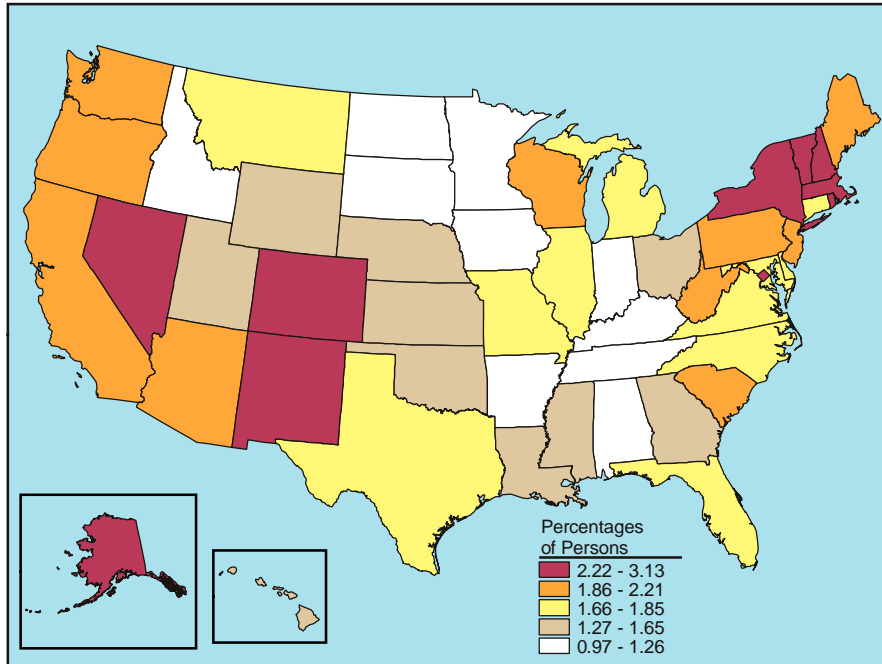
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.23 *Illicit Drug Use Other Than Marijuana in Past Month among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



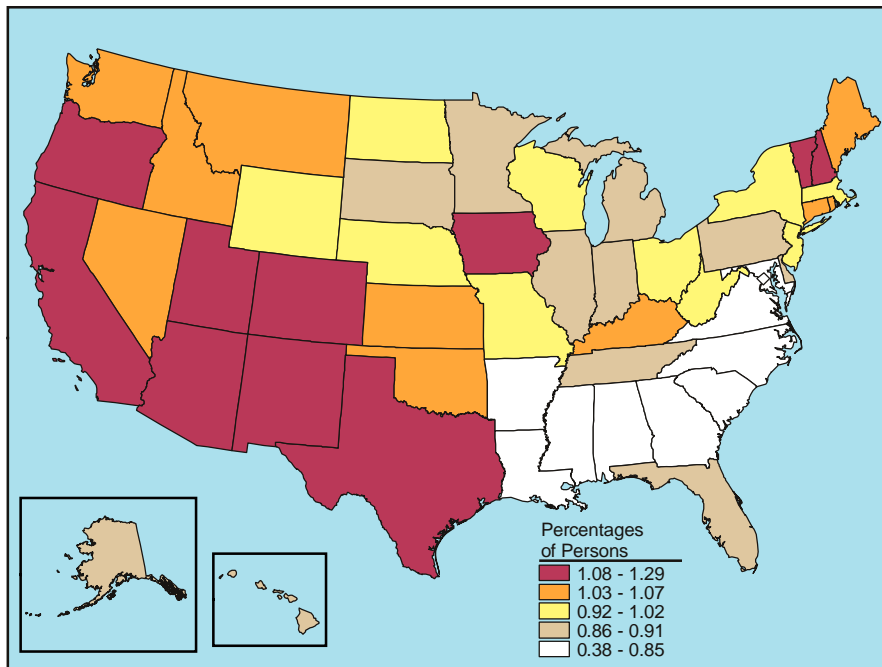
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.24 Cocaine Use in Past Year among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs



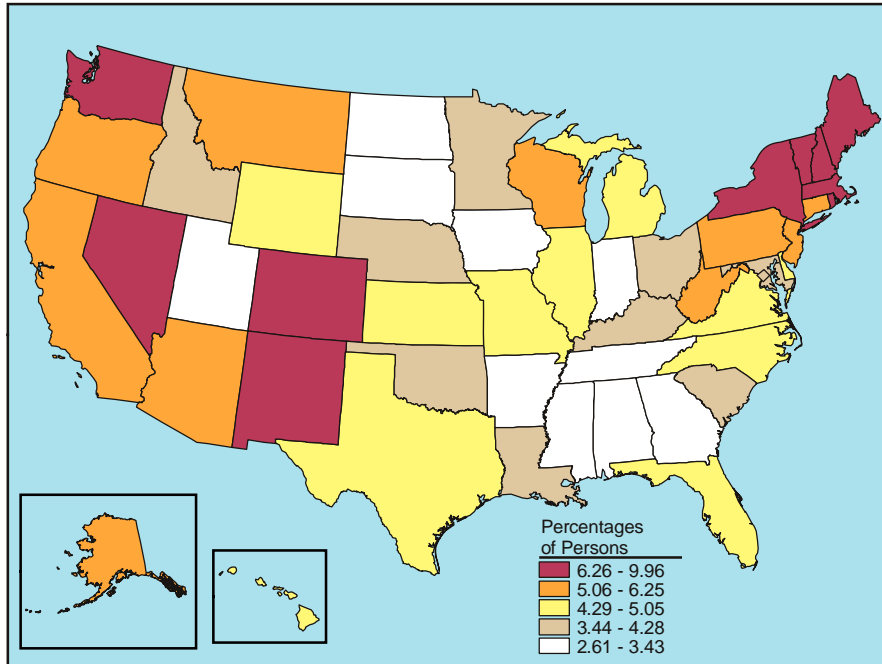
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.25 Cocaine Use in Past Year among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs



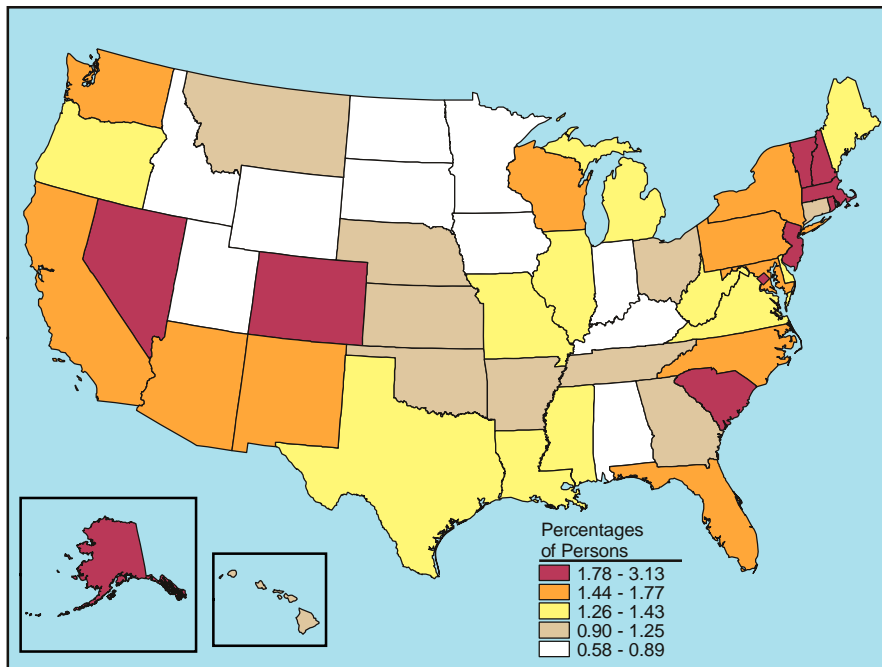
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.26 Cocaine Use in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs



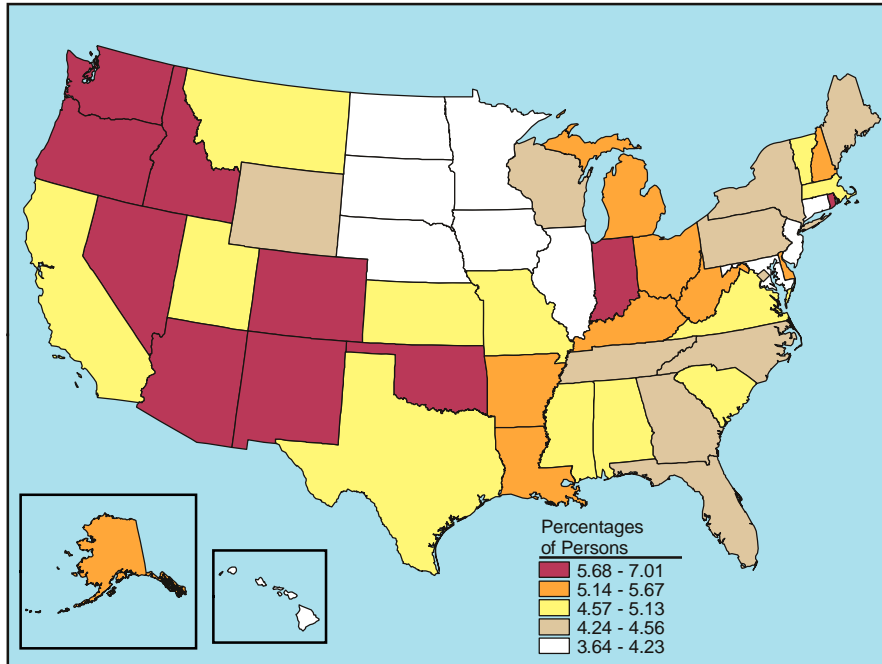
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.27 Cocaine Use in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs



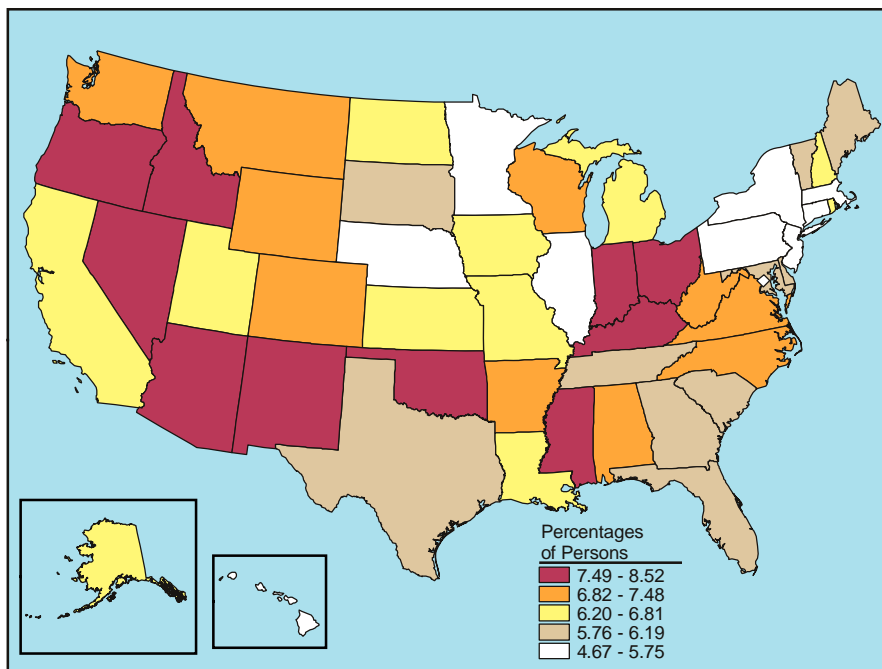
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.28 *Nonmedical Use of Pain Relievers in Past Year among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



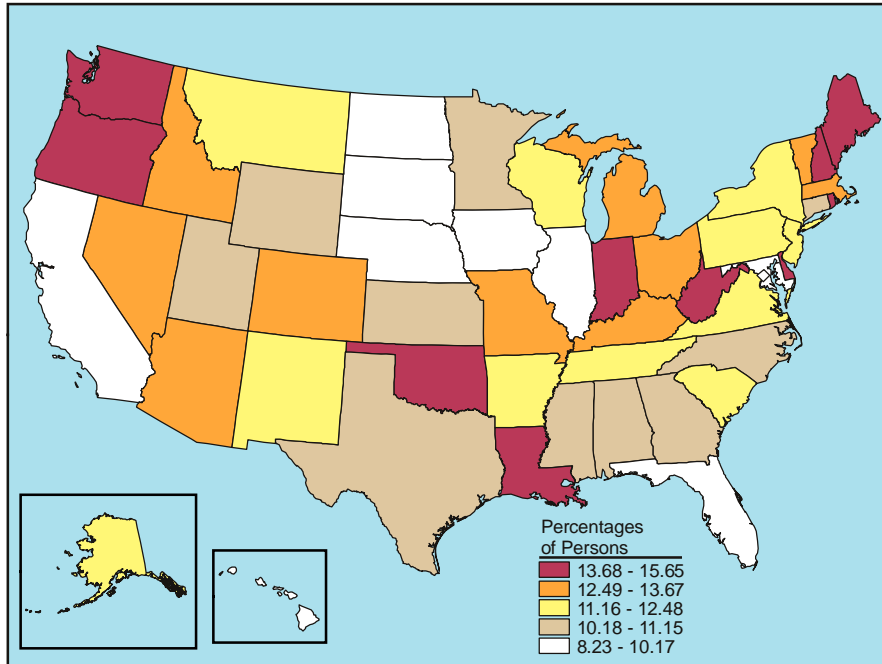
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.29 *Nonmedical Use of Pain Relievers in Past Year among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



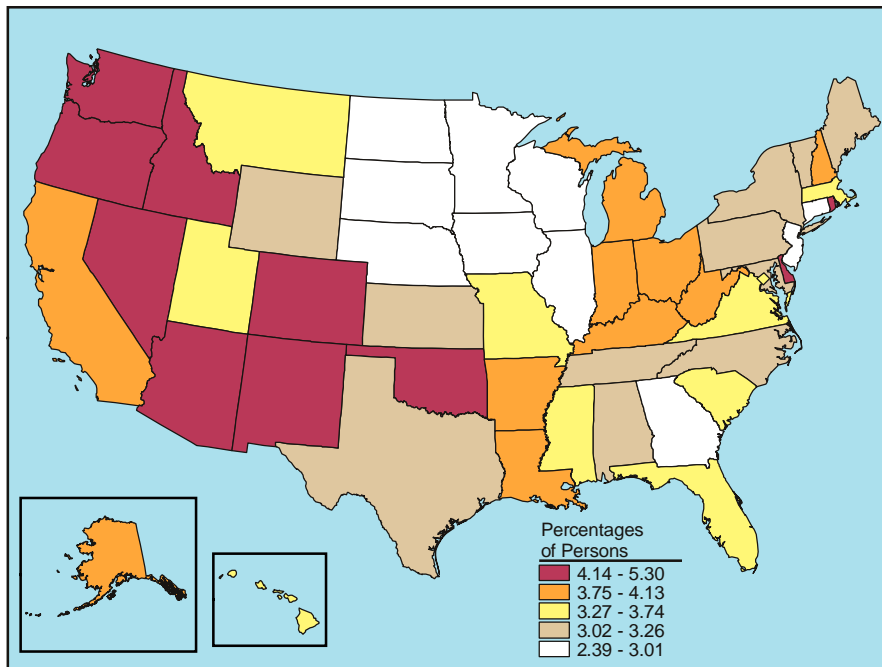
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.30 *Nonmedical Use of Pain Relievers in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 2.31 *Nonmedical Use of Pain Relievers in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

3. Alcohol Use

A number of measures of alcohol use are available from the National Survey on Drug Use and Health (NSDUH). This report discusses past month alcohol use, past month binge alcohol use, and the perceived risk of binge alcohol use. Past month alcohol use is the consumption of at least one drink during the past 30 days (includes binge use). Binge alcohol use is defined as drinking five or more drinks on the same occasion (i.e., at the same time or within a couple of hours of each other) on at least 1 day in the 30 days prior to the survey. A "drink" is defined as a can or bottle of beer, a glass of wine or a wine cooler, a shot of liquor, or a mixed drink with liquor in it. Respondents are asked to exclude occasions when only a sip or two is consumed from a drink. Alcohol is the most commonly used substance in the United States. Nationally, about half (51.8 percent) of Americans aged 12 or older reported being past month drinkers of alcohol in 2009-2010, which was similar to the 2008-2009 rate (51.7 percent) (see [Table C.9](#) in Appendix C).

In addition to information on alcohol use among persons aged 12 or older and each of the three age groups (12 to 17, 18 to 25, and 26 or older), estimates of past month alcohol use and binge alcohol use for persons aged 12 to 20 are presented in this report to provide information on underage drinking at the State level.

3.1 Alcohol Use

In 2009-2010, the rate of past month alcohol use among persons aged 12 or older ranged from 26.4 percent in Utah to 64.1 percent in Wisconsin ([Table B.9](#)). The highest rates of past month alcohol use occurred in the 18 to 25 age group, with Massachusetts having the highest rate (74.3 percent). Five States ranked in the top fifth for all three age groups (12 to 17, 18 to 25, and 26 or older) and among persons aged 12 or older: Colorado, Connecticut, New Hampshire, Vermont, and Wisconsin ([Figures 3.1](#) to [3.4](#)). Among persons aged 12 or older, 8 of the 10 States that were ranked in the bottom fifth for past month alcohol use were from the South (Alabama, Arkansas, Kentucky, Louisiana, Mississippi, South Carolina, Tennessee, and West Virginia) ([Figure 3.1](#)).

Arizona was the only State with a decrease in past month alcohol use among persons aged 12 or older from 2008-2009 to 2009-2010 (from 51.2 to 48.1 percent) ([Table C.9](#)). Six States showed decreases in past month alcohol use in the 12 to 17 year old age group: Colorado, Illinois, Michigan, Montana, North Dakota, and Ohio. There were no increases in past month alcohol use among youths aged 12 to 17. Decreases also were observed among youths in the Midwest census region and in their national rate.

Nationally, the rate of past month use of alcohol among persons aged 12 to 20 (underage alcohol use) in 2009-2010 was 26.7 percent (similar to the rate of 26.8 percent from 2008-2009). Underage alcohol use ranged from 16.5 percent in Utah to 34.6 percent in Vermont ([Table B.12](#)) in 2009-2010. Four States displayed decreases in alcohol use in this age group from 2008-2009 to 2009-2010: Colorado, Louisiana, Michigan, and North Dakota ([Table C.12](#)). Virginia showed an increase. Rates remained unchanged in all other States over this time period.

3.2 Binge Alcohol Use

Nationally, almost a quarter (23.4 percent) of persons aged 12 or older participated in binge use of alcohol in the past month in 2009-2010, which was similar to the 2008-2009 rate (23.5 percent) (Table C.10). In 2009-2010, past month binge use of alcohol among persons aged 12 or older ranged from 13.2 percent in Utah to 29.9 percent in Wisconsin (Table B.10). Four States were ranked in the top fifth in all three age groups (12 to 17, 18 to 25, and 26 or older) and among persons aged 12 or older: Iowa, Montana, North Dakota, and Wisconsin (Figures 3.5 to 3.8). The highest rates of binge use of alcohol occurred among young adults aged 18 to 25 (41.2 percent nationally). North Dakota and Vermont (51.3 percent) had the highest rate in this age group, between 1.5 and 2 times the highest rate among persons aged 26 or older (Wisconsin at 28.8 percent) and about 4 times the highest rate among youths aged 12 to 17 (Montana at 12.7 percent) (Table B.10).

Two States showed decreases in binge alcohol use between 2008-2009 and 2009-2010 among persons aged 12 or older: Florida (from 21.9 to 20.7 percent) and Ohio (from 25.3 to 23.6 percent) (Table C.10). Idaho (from 20.1 to 21.9 percent) and Washington (from 21.4 to 23.9 percent) showed increases. The national rate of binge alcohol use decreased among youths aged 12 to 17 (from 8.9 to 8.4 percent), and a decrease also was observed in the Midwest region (from 9.4 to 8.7 percent) and South region (from 8.0 to 7.5 percent) for this age group. Among 12 to 17 year olds at the State level, decreases were observed in Indiana, North Dakota, Ohio, and Oregon; rates in the other States remained unchanged among this age group.

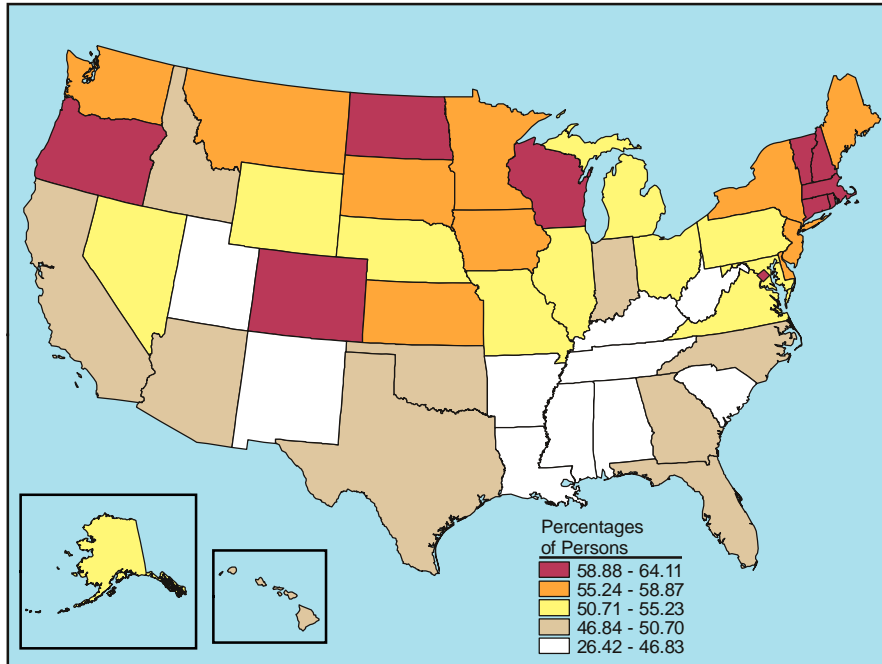
Nationally, the rate of underage binge alcohol use was 17.5 percent (similar to the rate of 17.9 percent from 2008-2009) (Table C.12). In 2009-2010, Utah (12.7 percent) had the lowest rate for past month underage (aged 12 to 20) binge use of alcohol, and North Dakota had the highest rate for this measure (24.2 percent) (Table B.12). Of the 10 States that ranked in the highest fifth for past month underage use of alcohol, 8 States also ranked in the highest fifth for past month underage binge use of alcohol: Connecticut, Delaware, Massachusetts, Montana, New Hampshire, North Dakota, Rhode Island, and Vermont (Figures 3.13 and 3.14). Eight States showed decreases in underage binge use of alcohol: Colorado, Florida, Michigan, New Hampshire, North Dakota, Ohio, Oregon, and South Dakota (Table C.12). No States showed an increase among this age group.

3.3 Perceptions of Risk of Binge Alcohol Use

In 2009-2010, 42.6 percent of persons aged 12 or older perceived a great risk of binge drinking, an increase from the rate of 41.8 percent in 2008-2009 (Table C.11). People's perceptions of the risk of binge drinking were moderately and inversely related to their actual rates of binge drinking at the State level in 2009-2010. Of the 10 States with the highest rates of binge use of alcohol in 2009-2010 among persons aged 12 or older, 6 States also had the lowest perceived risk of binge drinking for the population aged 12 or older: Iowa, Montana, North Dakota, South Dakota, Vermont, and Wisconsin (Figures 3.5 and 3.9). Among persons aged 12 or older, South Dakota had the lowest percentage (33.6 percent) perceiving a great risk of drinking five or more drinks of alcohol on a single occasion, while Utah had the highest rate at 50.8 percent (Table B.11).

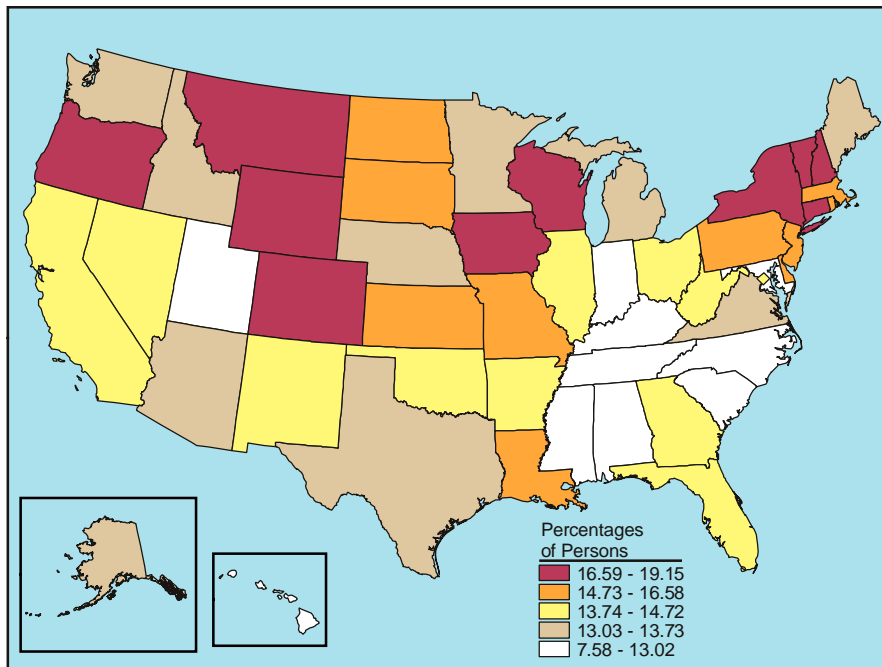
Between 2008-2009 and 2009-2010, a decrease in the perception of the risk of binge drinking among persons 12 or older was seen in Montana (from 39.1 to 36.6 percent), and increases were seen in Arkansas, California, Florida, New Hampshire, and Pennsylvania ([Table C.11](#)). Increases were also seen in the Northeast, South, and West regions. Among youths aged 12 to 17, an increase was seen in Pennsylvania (from 36.2 to 38.1 percent), while all other States remained unchanged in that age group. Among 18 to 25 year olds, the rate decreased in Montana (from 29.7 to 26.6 percent).

Figure 3.1 *Alcohol Use in Past Month among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



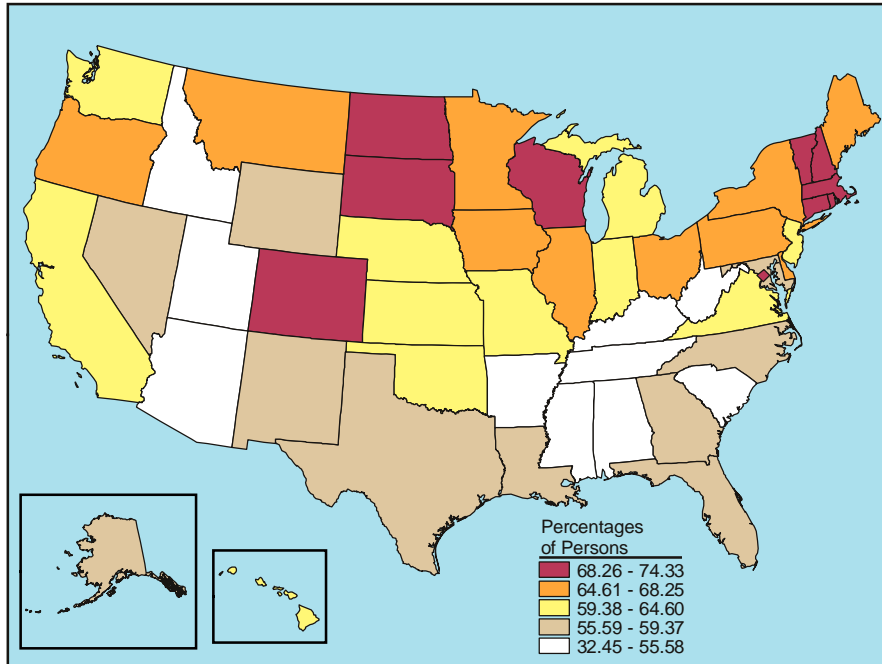
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.2 *Alcohol Use in Past Month among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



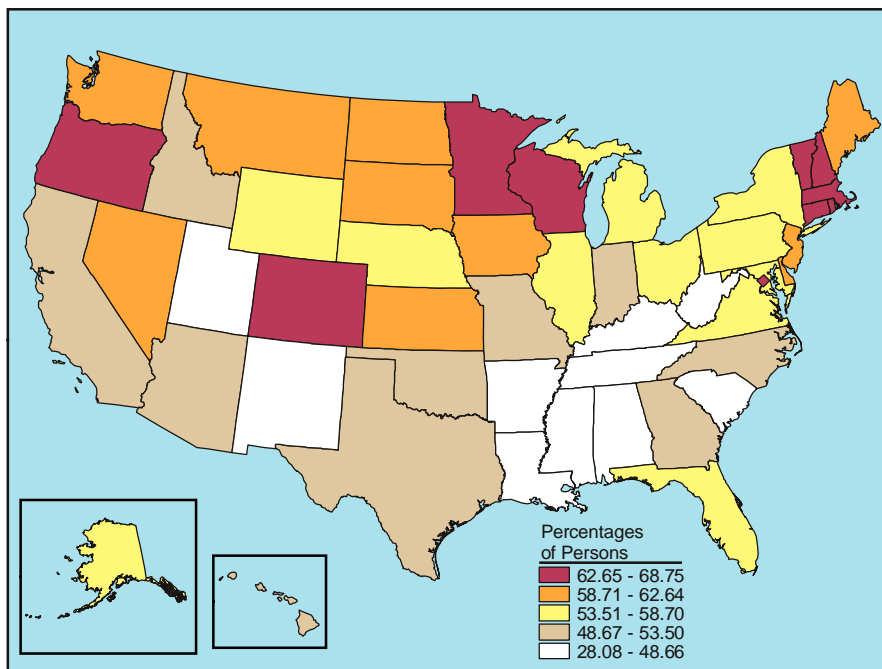
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.3 *Alcohol Use in Past Month among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



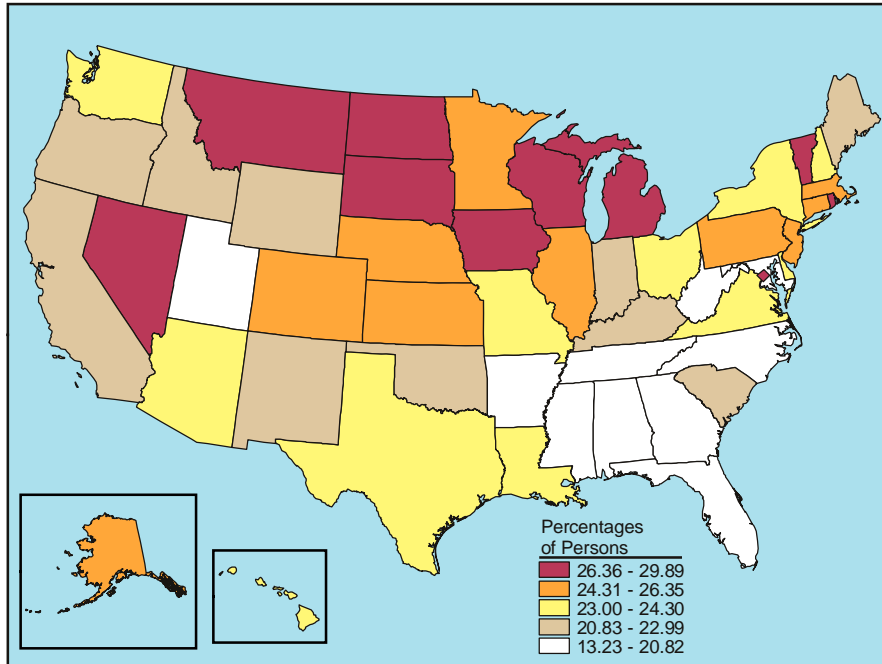
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.4 *Alcohol Use in Past Month among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



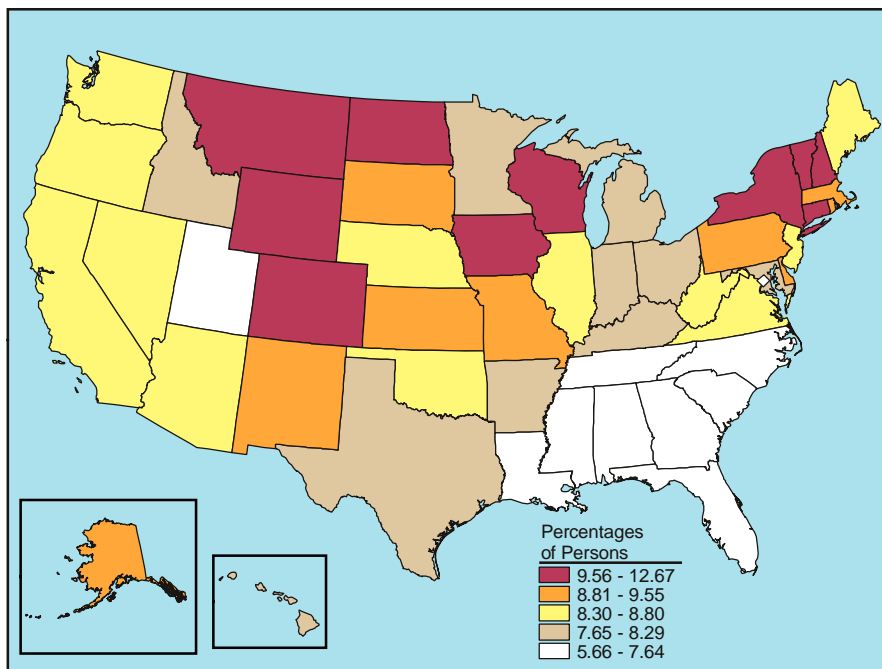
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.5 *Binge Alcohol Use in Past Month among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



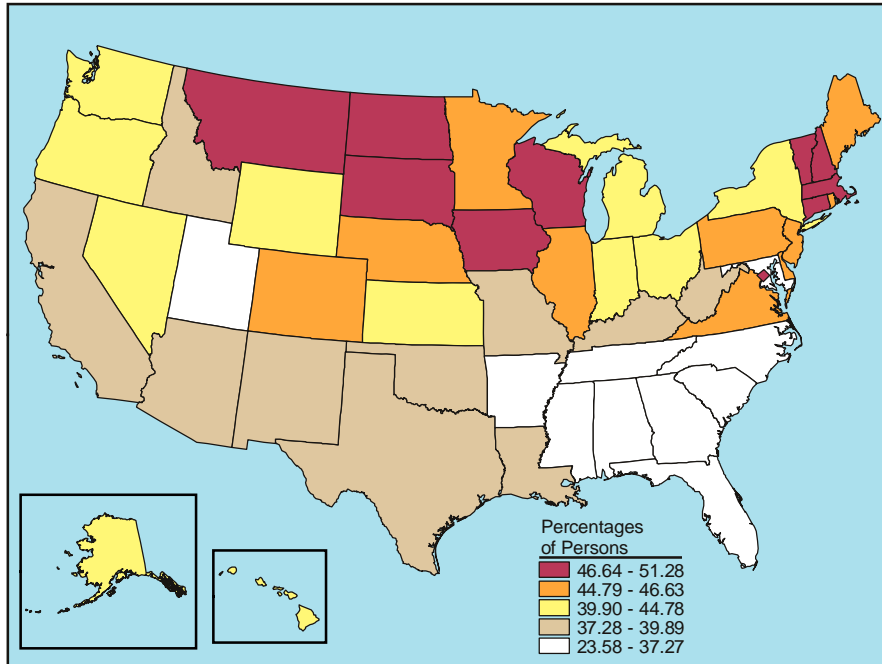
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.6 *Binge Alcohol Use in Past Month among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



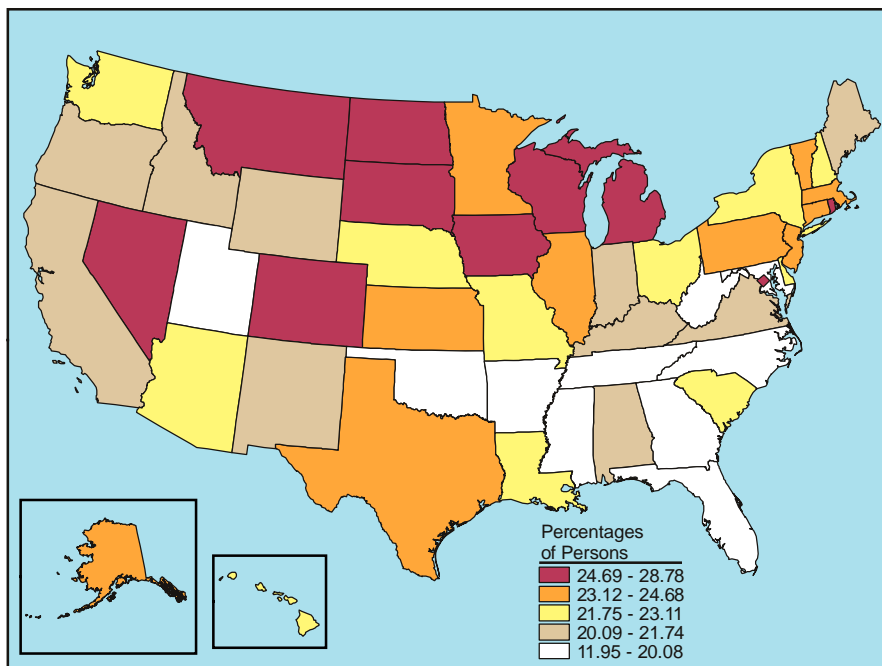
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.7 *Binge Alcohol Use in Past Month among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



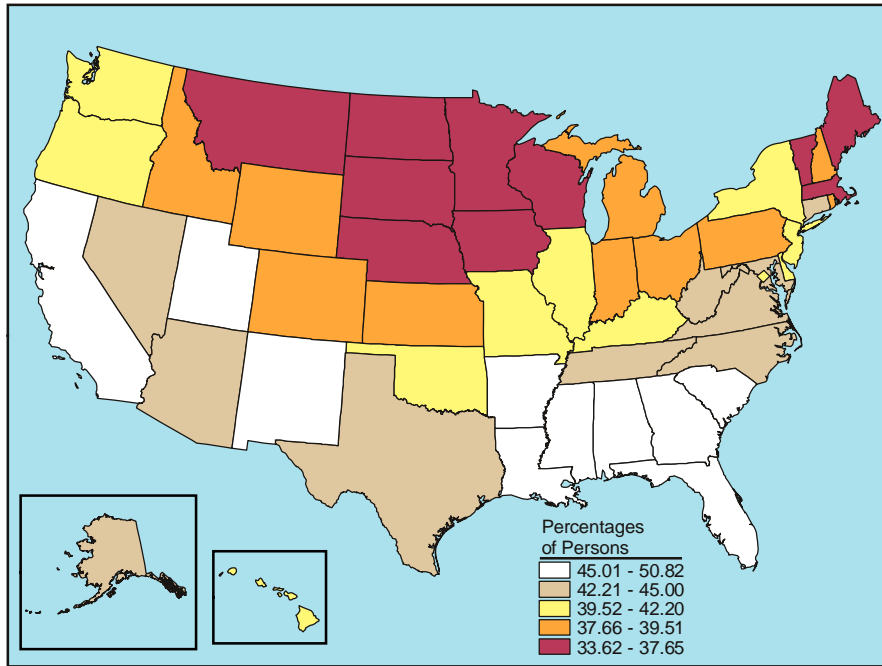
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.8 *Binge Alcohol Use in Past Month among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



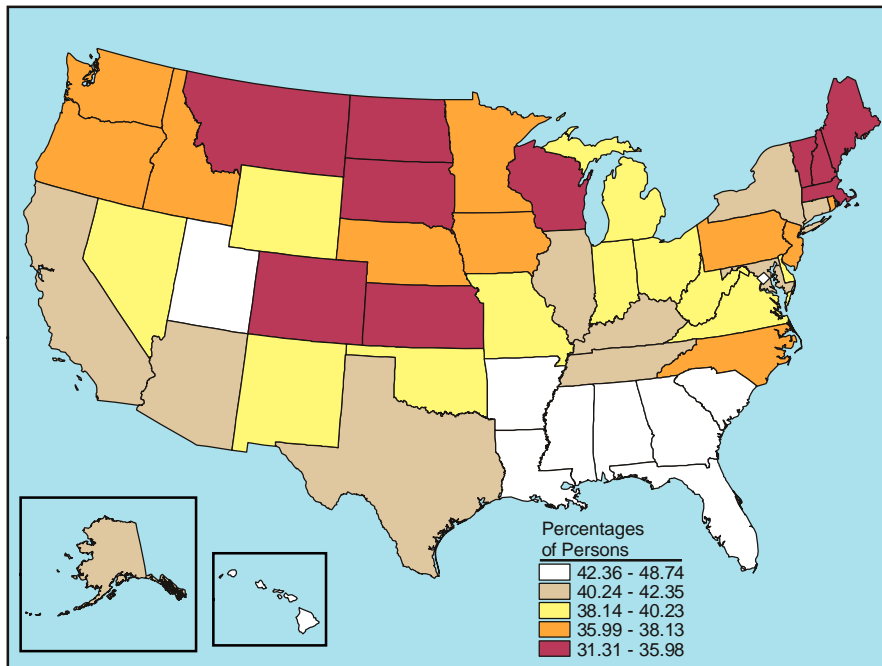
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.9 *Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



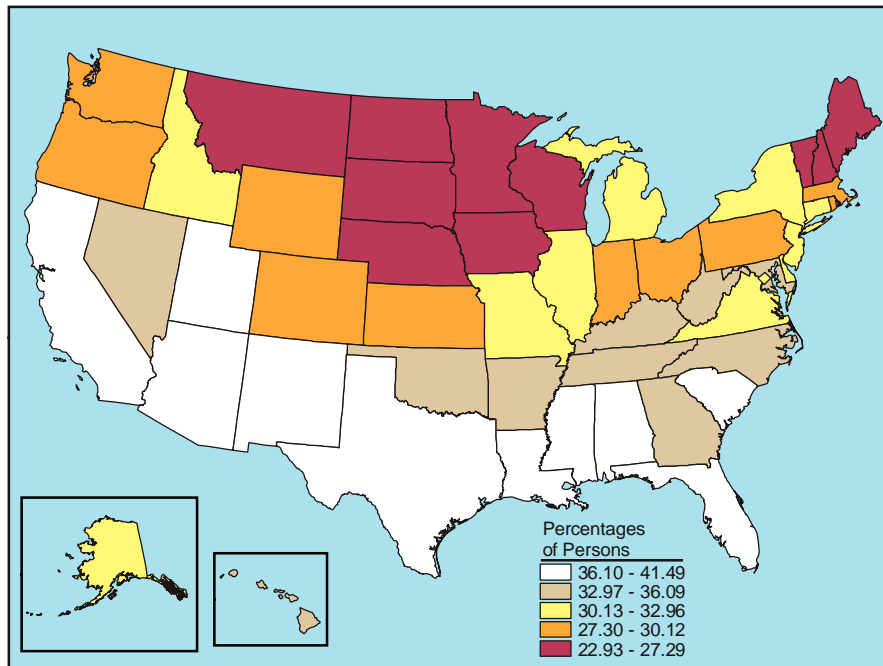
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.10 *Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



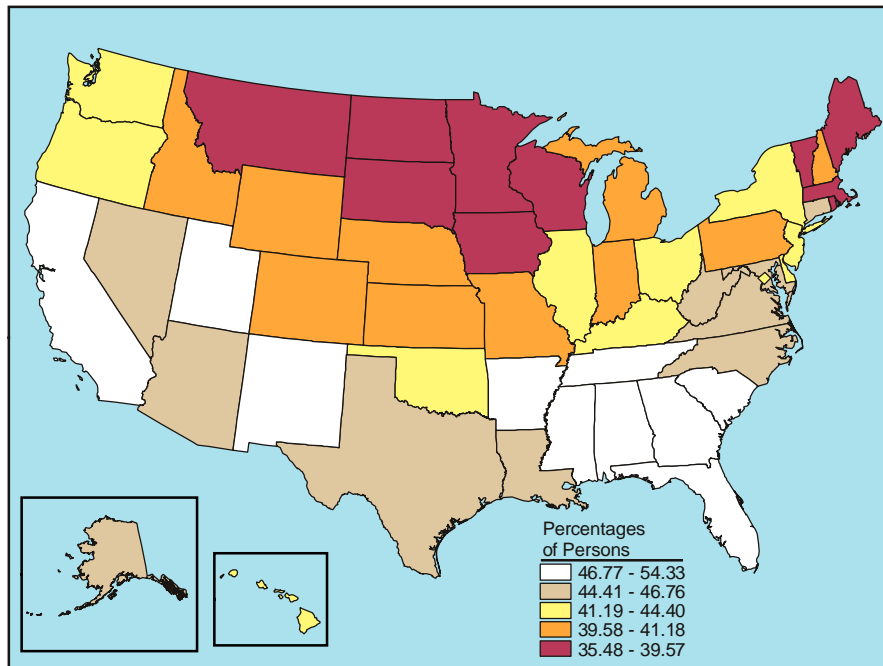
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.11 *Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



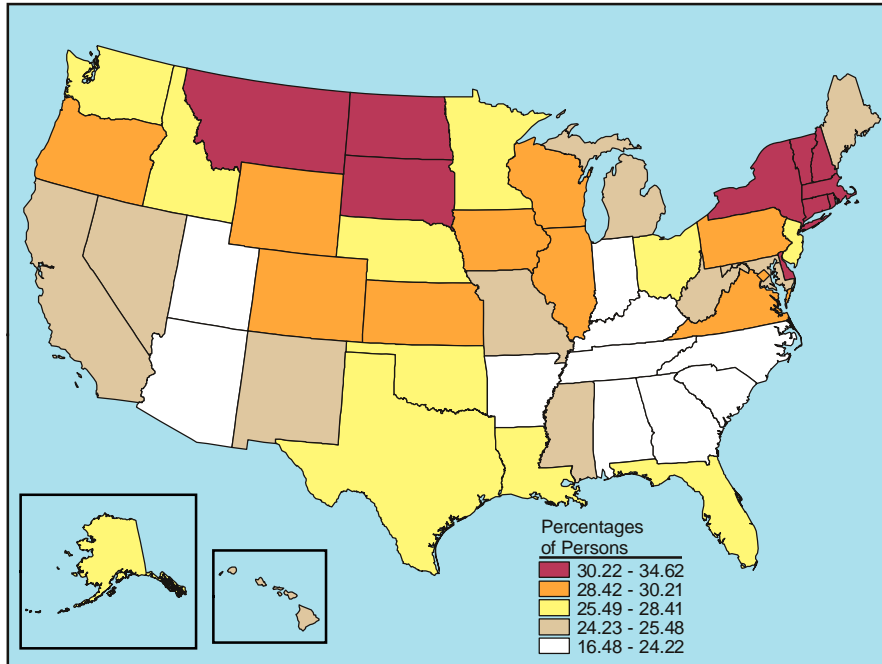
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.12 *Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



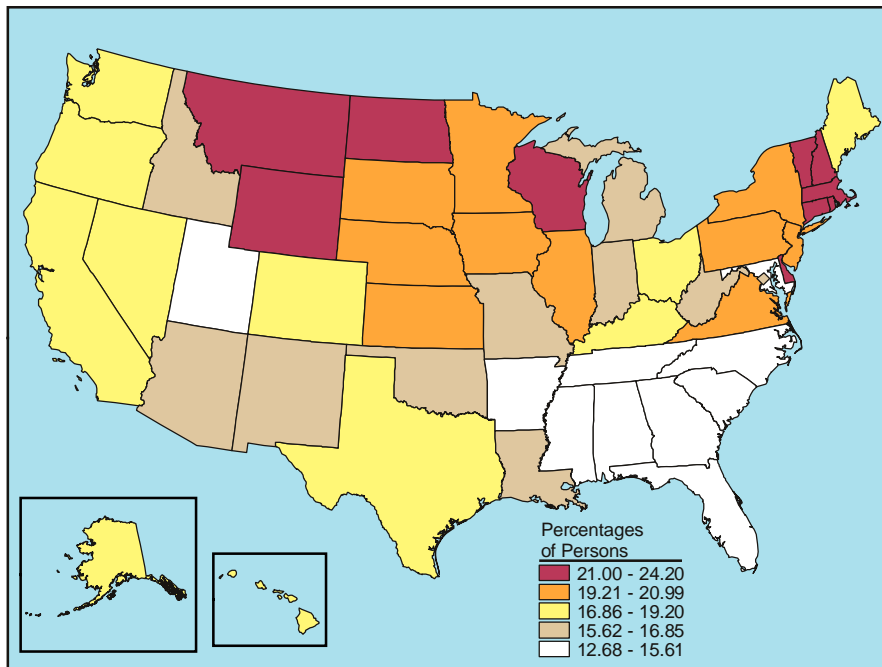
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.13 *Alcohol Use in Past Month among Persons Aged 12 to 20, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 3.14 *Binge Alcohol Use in Past Month among Persons Aged 12 to 20, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

4. Tobacco Use

Tobacco is the second most commonly used substance in the United States next to alcohol. The National Survey on Drug Use and Health (NSDUH) includes a series of questions on the use of several tobacco products, including cigarettes, smokeless tobacco (chewing tobacco and snuff), cigars, and pipe tobacco. This chapter includes State estimates on the past month use of tobacco, past month use of cigarettes, and the perceptions of great risk of smoking one or more packs of cigarettes per day.

Most tobacco users are cigarette smokers. Nationally, the use of tobacco and cigarettes in the past month among persons aged 12 or older was 27.6 and 23.2 percent, respectively, in 2009-2010 (see [Tables B.13](#) and [B.14](#) in Appendix B). The difference between the two rates (4.4 percentage points) represents persons who did not smoke cigarettes, but who used one or more of the other forms of tobacco (i.e., chewing tobacco, snuff, cigars, or pipe tobacco).

4.1 Tobacco

The State with the highest prevalence rate for tobacco use among persons aged 12 or older was West Virginia (40.2 percent), while Utah had the lowest rate (16.8 percent) ([Table B.13](#)). Of the 10 States with the highest rates of past month tobacco use among persons aged 12 or older, 7 States were in the South region (Alabama, Arkansas, Kentucky, Mississippi, Oklahoma, Tennessee, and West Virginia). Kentucky, Missouri, Oklahoma, West Virginia, and Wyoming ranked in the highest fifth for all three age groups (12 to 17, 18 to 25, and 26 or older) and among persons aged 12 or older ([Figures 4.1](#) to [4.4](#)).

Among the 12 or older age group, decreases in past month tobacco use from 2008-2009 to 2009-2010 were seen in Kentucky (from 38.1 to 35.5 percent) and Wisconsin (from 30.2 to 28.0 percent) ([Table C.13](#) in Appendix C). Increases were seen in Alaska and Mississippi. Among youths aged 12 to 17, decreases were seen nationally (from 11.6 to 11.3 percent) and in the Midwest region (from 13.2 to 12.6 percent), Illinois (from 12.5 to 10.9 percent), and Oregon (from 14.9 to 12.9 percent). No increases in past month tobacco use were observed among youths aged 12 to 17.

4.2 Cigarettes

Because cigarettes are the main tobacco product, States that ranked high for past month tobacco use also ranked high for past month cigarette use. Of the 10 States in the highest fifth for past month use of tobacco, 8 States (Alabama, Arkansas, Kentucky, Mississippi, Missouri, Oklahoma, Tennessee, and West Virginia) also were in the highest fifth for past month cigarette use among persons aged 12 or older ([Figures 4.1](#) and [4.5](#)). Similarly, 8 of the 10 States that were ranked in the lowest fifth among persons aged 12 or older were the same for both measures (California, Connecticut, Hawaii, Maryland, Massachusetts, New Jersey, New York, and Utah). West Virginia had the highest rate of past month cigarette use (32.0 percent), and Utah had the lowest rate (15.8 percent) for persons aged 12 or older ([Table B.14](#)).

Nationally, decreases in cigarette use were seen among youths aged 12 to 17 (from 9.1 percent in 2008-2009 to 8.7 percent in 2009-2010), young adults aged 18 to 25 (from 35.8 to 35.1 percent), and persons aged 12 or older (from 23.6 to 23.2 percent) (Table C.14). At the State level, a decline in cigarette use from 2008-2009 to 2009-2010 among persons aged 12 or older was observed in Wisconsin (from 25.7 to 23.5 percent). Across all States in the 12 to 17 and 18 to 25 age groups, eight States had declines in cigarette use between 2008-2009 and 2009-2010 (two States among persons aged 12 to 17 and six States among persons aged 18 to 25). Declines in cigarette use also were observed in the Midwest census region for those age groups. No increases were seen for any State or age group.

4.3 Perceptions of Risk of Heavy Cigarette Use

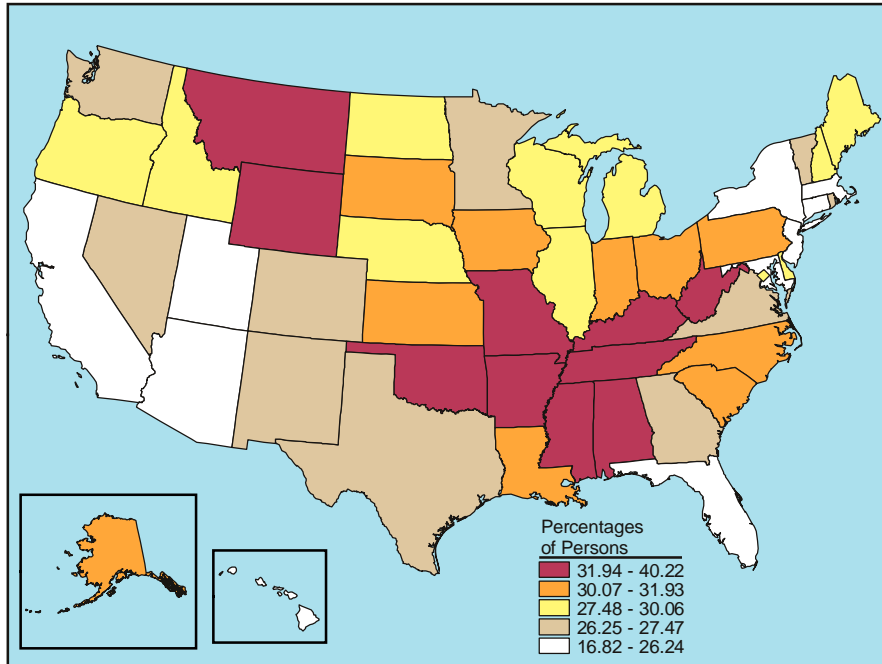
States with high prevalence rates for cigarette use tended to have low rates of perceived great risk of heavy cigarette use (i.e., smoking one or more packs per day). Five States (Kentucky, Missouri, Oklahoma, Tennessee, and West Virginia) that ranked in the lowest fifth for perceptions of great risk of smoking one or more packs of cigarettes per day also were ranked in the highest fifth for past month cigarette use among persons aged 12 or older (Figures 4.5 and 4.9). Kentucky had the lowest rate of perception of great risk for heavy cigarette use (62.3 percent), and New York had the highest rate (76.4 percent) among persons aged 12 or older (Table B.15).

Nationwide, the rates of perception of great risk of smoking one or more packs of cigarettes per day decreased from 2008-2009 to 2009-2010 among persons aged 12 or older (from 72.2 to 71.2 percent), youths aged 12 to 17 (from 67.5 to 65.4 percent), young adults aged 18 to 25 (from 66.8 to 65.2 percent), and persons aged 26 or older (from 73.8 to 73.0 percent) (Table C.15). Decreases also were observed in all four census regions among youths aged 12 to 17, in all but the West region among young adults aged 18 to 25, in the Midwest region among persons aged 26 or older, and in all but the Northeast region among persons aged 12 or older.

At the State level, there were 32 decreases from 2008-2009 to 2009-2010 in the perception of risk of heavy cigarette use across three age groups (12 to 17: 17 States with decreases; 18 to 25: 10 States with decreases; and 26 or older: 5 States with decreases). The only increases were seen in Arkansas (from 69.6 to 72.6 percent) and Massachusetts (from 74.1 to 77.9 percent) for persons aged 26 or older and in Massachusetts for persons aged 12 or older (from 73.0 to 75.9 percent). Eleven States had declines in the perception of risk of heavy cigarette use among persons 12 or older. This is an indication that, across many States, there continues to be an increase in the number of persons who do not think there is great risk in people harming themselves physically or in other ways by smoking one or more packs of cigarettes per day.

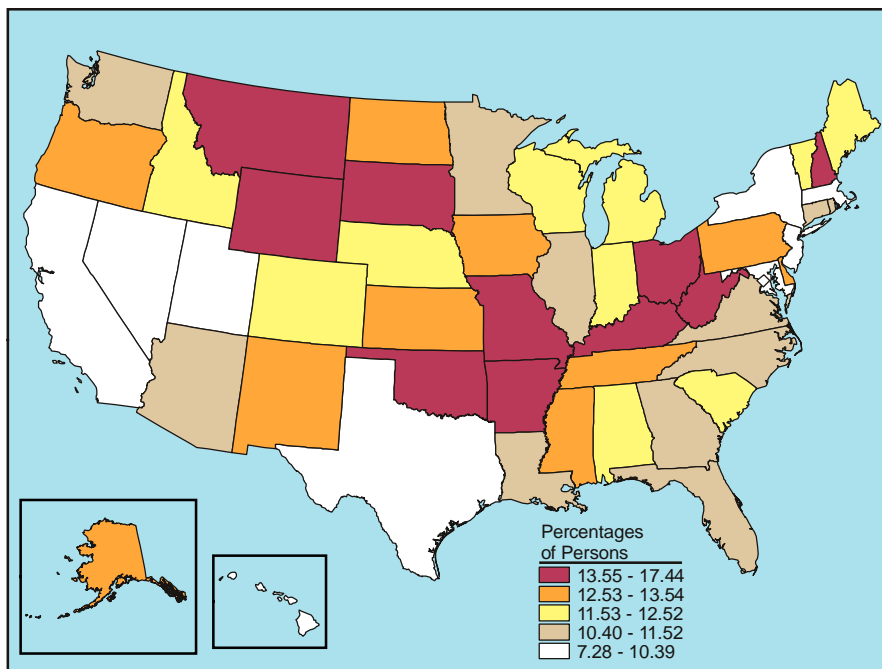
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Figure 4.1 *Tobacco Product Use in Past Month among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



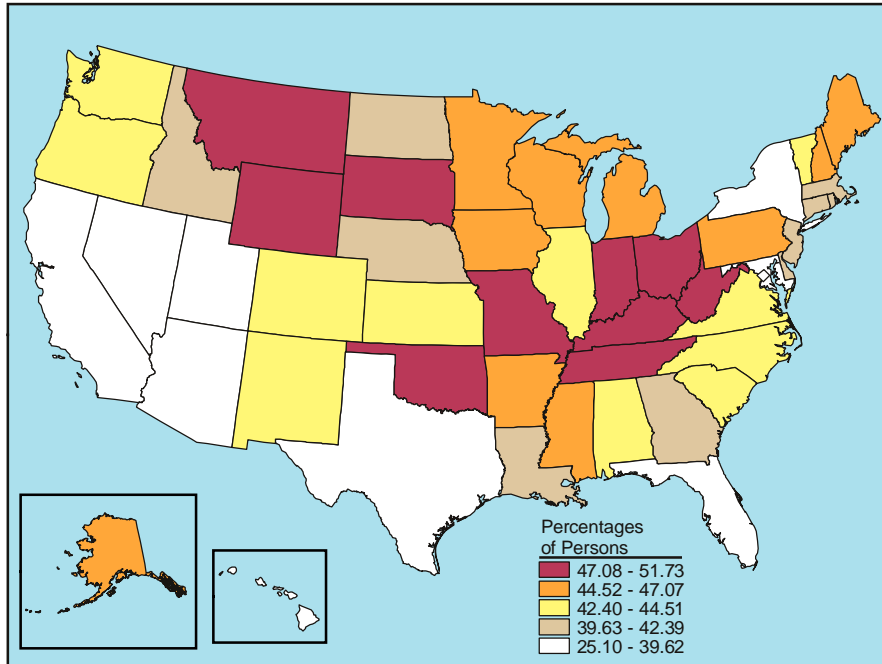
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 4.2 *Tobacco Product Use in Past Month among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



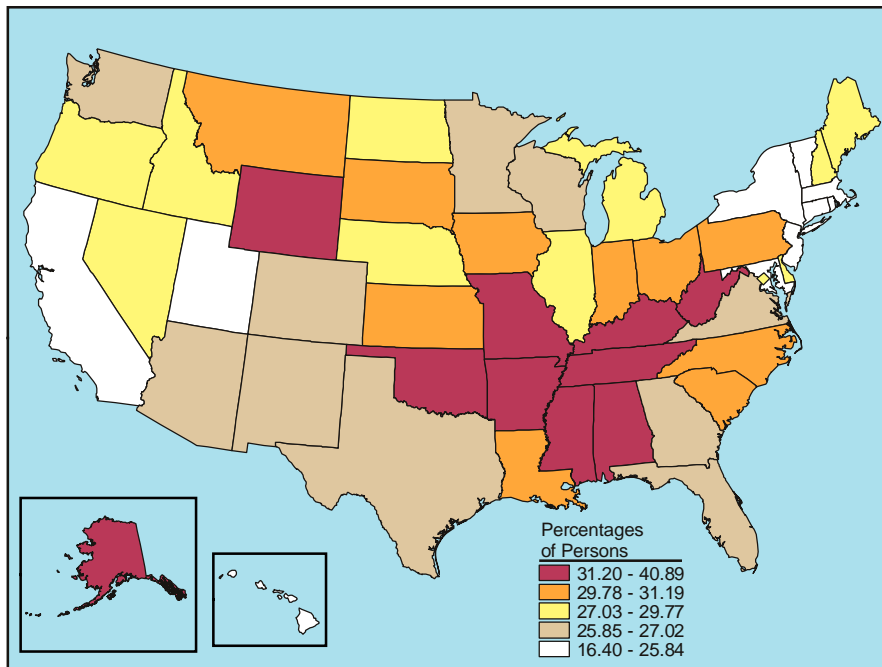
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 4.3 *Tobacco Product Use in Past Month among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



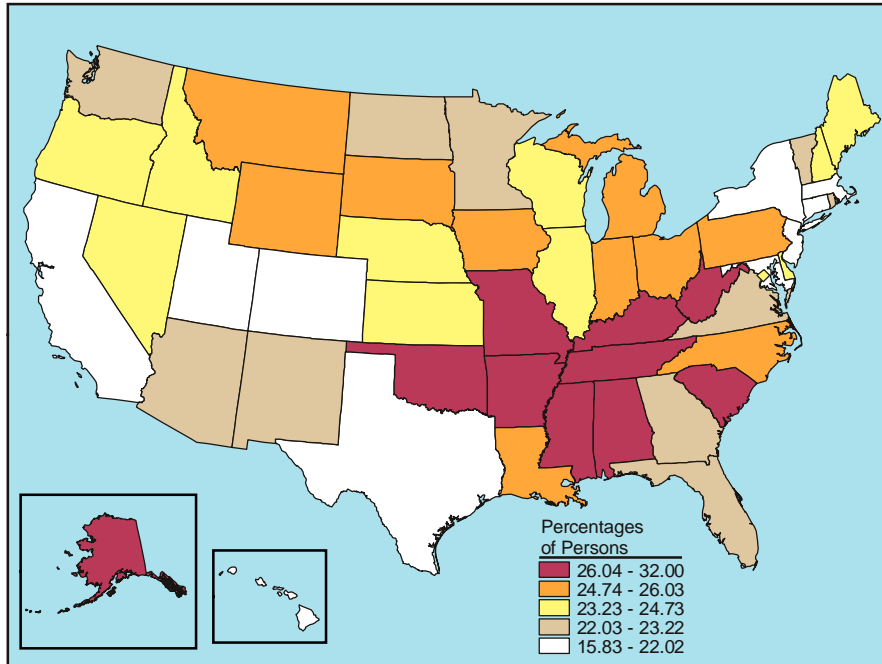
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 4.4 *Tobacco Product Use in Past Month among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



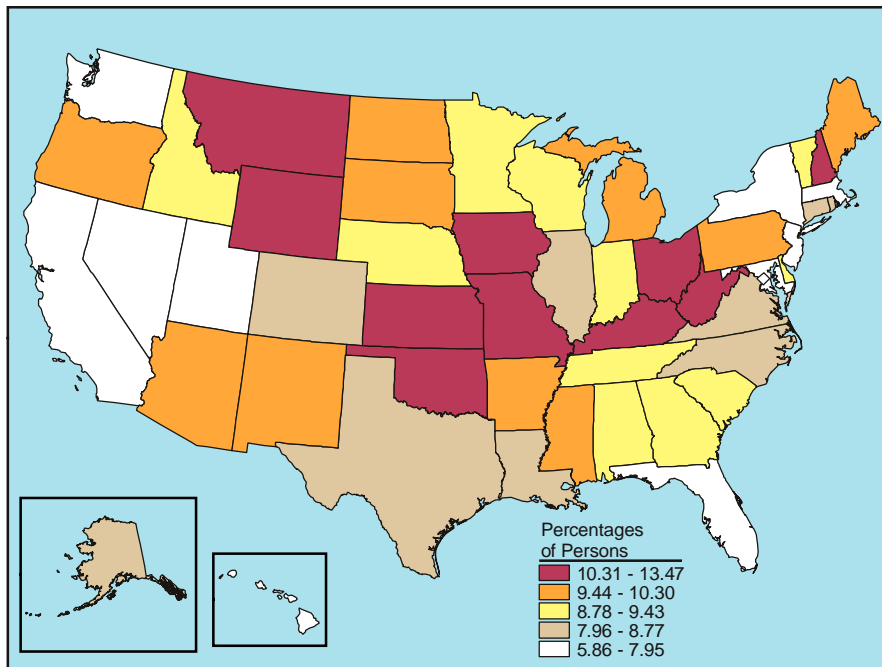
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 4.5 *Cigarette Use in Past Month among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



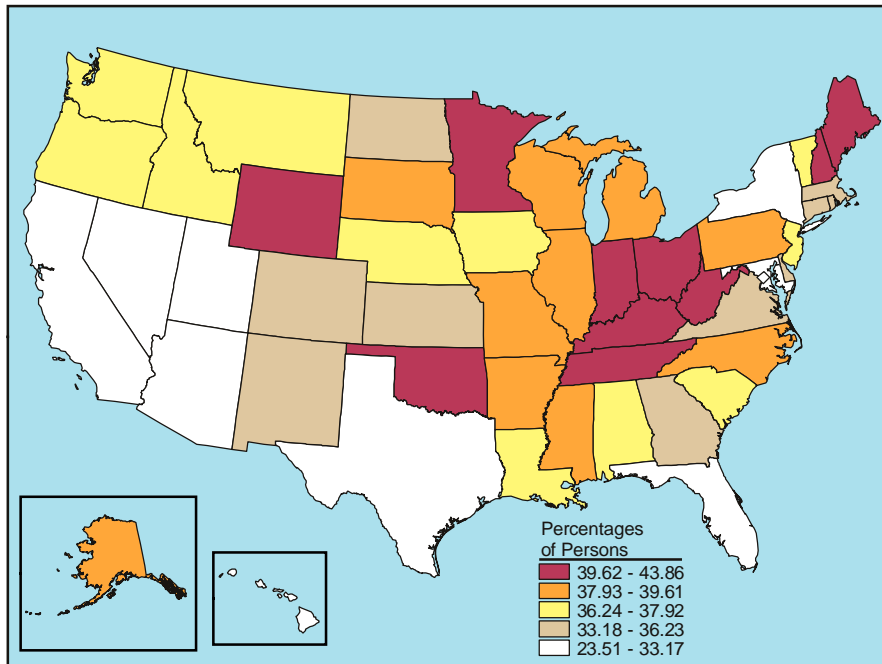
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 4.6 *Cigarette Use in Past Month among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



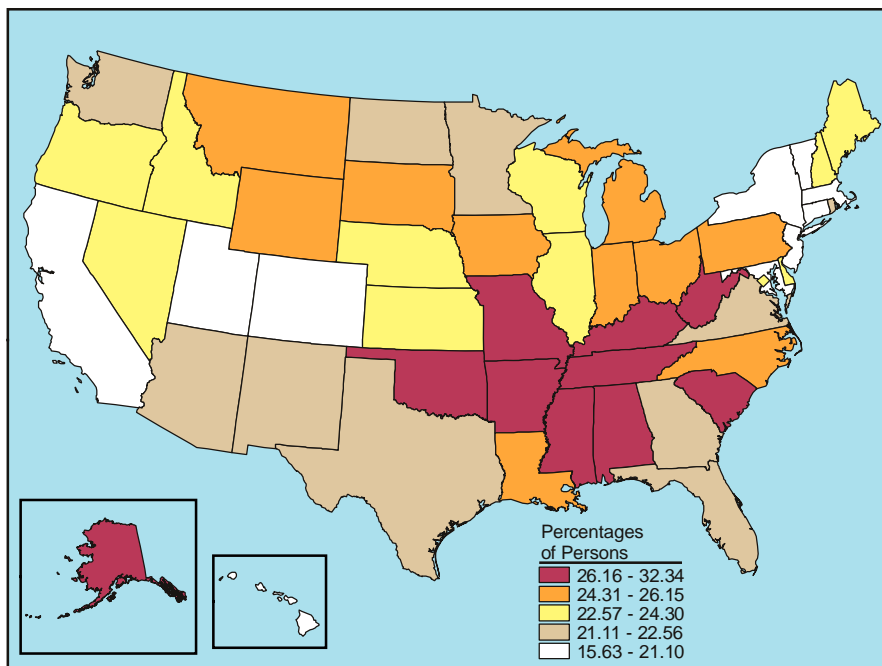
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 4.7 *Cigarette Use in Past Month among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



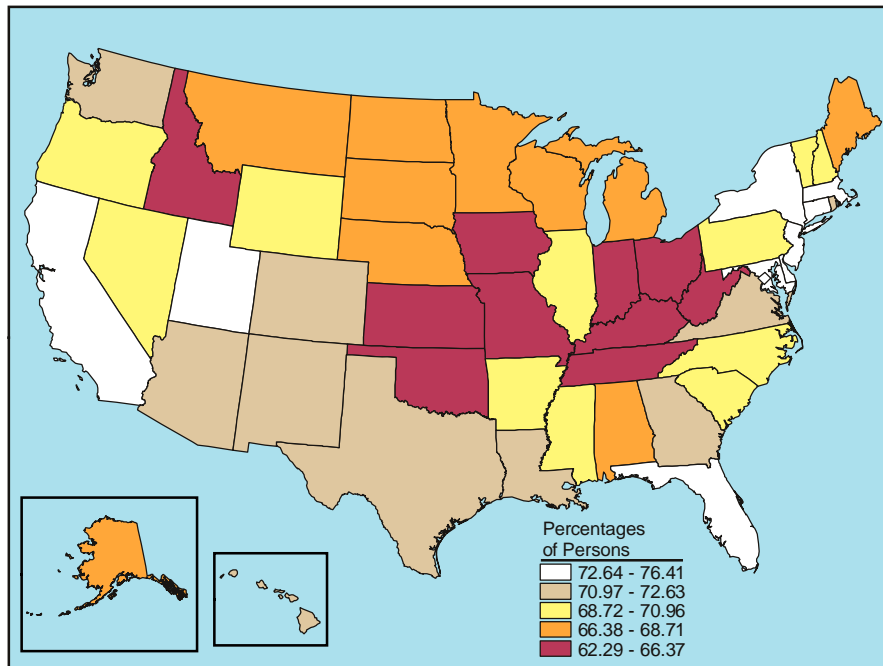
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 4.8 *Cigarette Use in Past Month among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



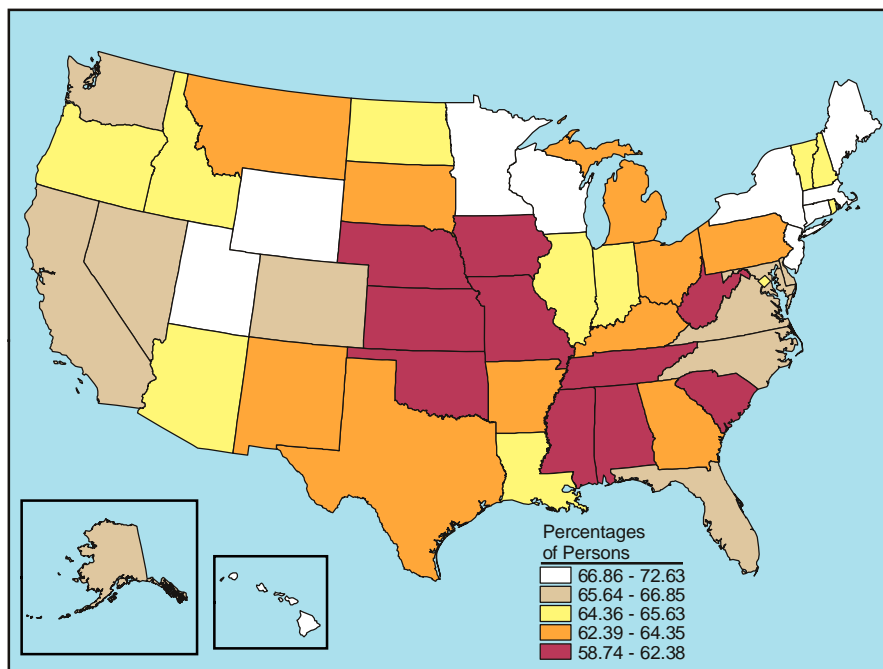
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 4.9 *Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



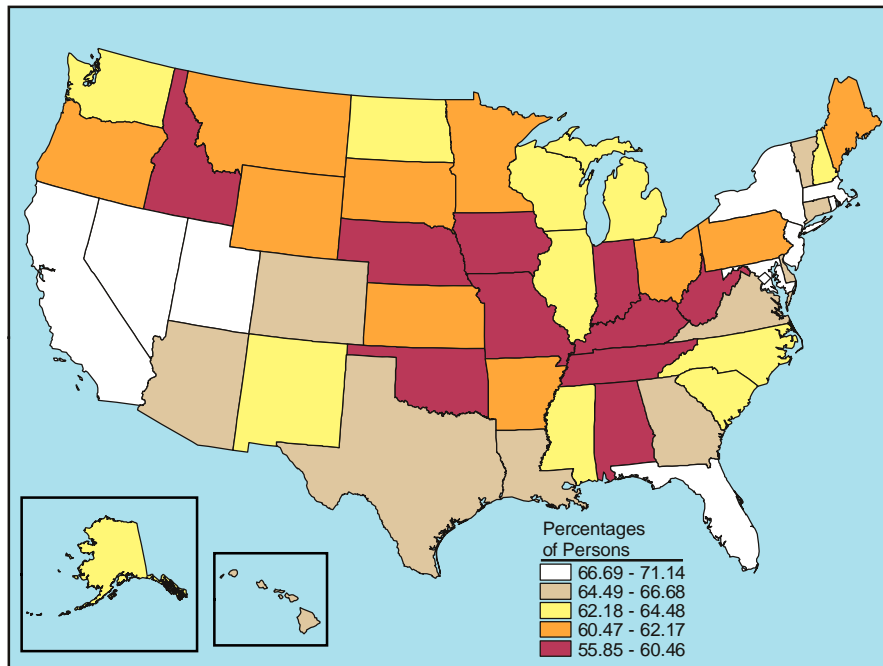
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 4.10 *Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



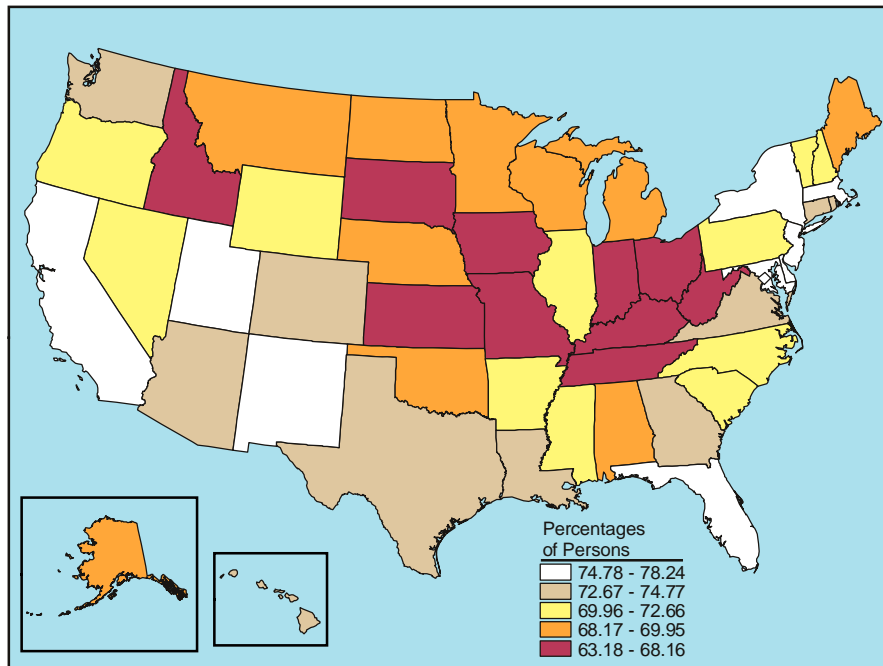
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 4.11 *Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 4.12 *Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

5. Substance Dependence, Abuse, and Treatment Need

The National Survey on Drug Use and Health (NSDUH) includes a series of questions to assess the prevalence of substance use disorders (i.e., substance dependence or abuse) in the past 12 months. Substances include alcohol and illicit drugs, such as marijuana, cocaine, heroin, hallucinogens, inhalants, and the nonmedical use of prescription-type drugs. These questions are used to classify persons in this report as being dependent on or abusing specific substances based on criteria specified in the *Diagnostic and Statistical Manual of Mental Disorders*, 4th edition (DSM-IV) (American Psychiatric Association [APA], 1994). The questions on dependence ask about health and emotional problems, attempts to cut down on use, tolerance, withdrawal, and other symptoms associated with substances used. The questions on abuse ask about problems at work, home, and school; problems with family or friends; physical danger; and trouble with the law due to substance use. Dependence reflects a more severe substance use problem than abuse, and persons are classified with abuse of a particular substance only if they are not dependent on that substance. For details, see Section A.10 in Appendix A.

Nationally, 22.4 million persons aged 12 or older in 2009-2010 were classified with illicit drug or alcohol dependence or abuse in the past year. Of these, 7.1 million had illicit drug dependence or abuse, and 18.4 million had alcohol dependence or abuse (see Tables 16, 18, and 20 in "State Estimates of Substance Use and Mental Disorders from the 2009-2010 NSDUH: Web-Only Count Tables" at <http://www.samhsa.gov/data/NSDUH/2k10State/NSDUHsae2010/Index.aspx>).

5.1 Alcohol Dependence or Abuse

In 2009-2010, 7.3 percent of the population aged 12 or older was classified with alcohol dependence or abuse nationwide in the past year (see [Table B.16](#) in Appendix B). Persons aged 18 to 25 had the highest rate of alcohol dependence or abuse (15.9 percent) in the Nation. At the State level among persons 12 or older, the District of Columbia had the highest rate (9.5 percent), and Utah had the lowest rate (5.7 percent). While the District of Columbia had the highest rate of past year alcohol dependence or abuse among persons aged 26 or older (8.3 percent), it had the lowest rate among youths aged 12 to 17 along with Maryland (3.3 percent). Three States (Colorado, Montana, and South Dakota) ranked in the highest fifth for all three age groups (12 to 17, 18 to 25, and 26 or older) and among persons aged 12 or older ([Figures 5.1 to 5.4](#)).

Nationally, the rate for past year dependence or abuse of alcohol dropped from 16.8 percent in 2008-2009 to 15.9 percent in 2009-2010 among young adults 18 to 25 (see [Table C.16](#) in Appendix C). Among 18 to 25 year olds, seven States showed decreases (Delaware, Minnesota, Missouri, New Mexico, New York, South Dakota, and Wisconsin). For the 12 or older age group, decreases were observed in Minnesota and Missouri. A decrease also was seen in the Midwest region among the 12 to 17 age group (from 5.1 percent in 2008-2009 to 4.6 percent in 2009-2010), the 18 to 25 age group (from 18.2 to 16.8 percent), and 12 or older age

group (from 7.8 to 7.5 percent). No increases in the past year alcohol dependence or abuse rates were observed for any State or age group.

In 2009-2010, 3.4 percent of persons aged 12 or older nationwide were estimated to be alcohol dependent in the past year, representing about 47 percent of those with alcohol dependence or abuse in the past year (Tables B.16 and B.17). State estimates for alcohol dependence for persons aged 12 or older ranged from 2.9 percent in Georgia, Kentucky, and Utah to 4.6 percent in the District of Columbia. The highest rates for alcohol dependence occurred in the 18 to 25 age group (6.6 percent nationally) compared with the rates for 12 to 17 year olds (1.8 percent nationally) and persons aged 26 or older (3.1 percent nationally). In 2009-2010 among young adults aged 18 to 25, these rates ranged from 5.3 percent in Georgia to 9.8 percent in Montana.

Two States that ranked in the highest fifth in the 12 or older population for alcohol dependence or abuse in the past year also were ranked in the highest fifth for past year alcohol dependence (District of Columbia and Rhode Island) (Figures 5.1 and 5.5). Among young adults aged 18 to 25, there were decreases in alcohol dependence from 2008-2009 to 2009-2010 in three States: Michigan (from 6.9 to 6.1 percent), Ohio (from 7.8 to 7.0 percent), and Wisconsin (from 8.3 to 6.9 percent). Decreases in alcohol dependence also were seen in the Midwest region among young adults and youths (Table C.17). No increases in past year alcohol dependence were observed for any State or age group.

5.2 Illicit Drug Dependence or Abuse

Nationally in 2009-2010, 2.8 percent of persons aged 12 or older had illicit drug dependence or abuse in the past year, a rate that remained unchanged from 2008-2009 (Table C.18). The District of Columbia had the highest rate of past year illicit drug dependence or abuse (3.9 percent) among persons aged 12 or older, and North Dakota had the lowest rate (2.0 percent). The highest rates for past year illicit drug dependence or abuse occurred in the 18 to 25 age group (7.8 percent nationally), with the highest rate occurring in Vermont (11.0 percent) and the lowest rate in North Dakota (5.2 percent). Among young adults aged 18 to 25, decreases in the rates of past year illicit drug dependence or abuse occurred in the District of Columbia (from 8.8 to 7.1 percent) and Nevada (from 8.9 to 7.0 percent) between 2008-2009 and 2009-2010 (Table C.18). Among persons aged 12 or older, decreases were observed in Kentucky, Nevada, Rhode Island, and West Virginia, but an increase was seen in Mississippi.

The percentage of persons aged 12 or older in 2009-2010 estimated to have illicit drug dependence in the past year was 1.9 percent (more than two thirds of those who were estimated to have illicit drug dependence or abuse in the past year) (Tables B.18 and B.19). The District of Columbia had the highest percentage of persons aged 12 or older with illicit drug dependence in the past year (2.6 percent), and Iowa had the lowest rate (1.4 percent). Seven States (District of Columbia, Idaho, Massachusetts, New Hampshire, Oregon, Rhode Island, and Vermont) that were in the highest group for illicit drug dependence or abuse among persons aged 12 or older were also in the highest group for illicit drug dependence (Figures 5.9 and 5.13).

Among young adults aged 18 to 25, a decline in the past year illicit drug dependence rate occurred in the District of Columbia (from 6.6 to 4.7 percent) from 2008-2009 to 2009-2010

(Table C.19). Among persons 12 or older, decreases were observed in Kentucky and Rhode Island. Additionally, among persons aged 26 or older, a decrease was observed in Rhode Island. There were no significant changes in past year illicit drug dependence in any other State by age group combination.

5.3 Illicit Drug or Alcohol Dependence or Abuse

The national rate in 2009-2010 for past year illicit drug or alcohol dependence or abuse among persons aged 12 or older was 8.9 percent, similar to the rate in 2008-2009 (9.0 percent) (Table C.20). When examining illicit drug or alcohol dependence or abuse at the State level, the States with high rates for alcohol dependence or abuse tended to rank in the top fifth for illicit drug or alcohol dependence or abuse combined because alcohol accounts for most of the substance dependence or abuse. Of the 10 States that ranked in the highest fifth for past year alcohol dependence or abuse, 7 States also ranked in the top fifth for past year illicit drug or alcohol dependence or abuse among persons aged 12 or older: Colorado, District of Columbia, Massachusetts, Montana, Nevada, Rhode Island, and South Dakota (Figures 5.1 and 5.17).

State percentages for past year illicit drug or alcohol dependence or abuse among persons aged 12 or older in 2009-2010 ranged from 7.4 percent in Utah to 12.0 percent in the District of Columbia (Table B.20). Four States (Colorado, Massachusetts, Montana, and South Dakota) were in the highest fifth for the three age groups (12 to 17, 18 to 25, and 26 or older) and among persons aged 12 or older (Figures 5.17 to 5.20). Four States (Georgia, Mississippi, North Carolina, and Utah) were in the lowest fifth for all age groups.

Among persons aged 12 or older, the rate of past year illicit drug or alcohol dependence or abuse at the State level decreased significantly from 2008-2009 to 2009-2010 for Georgia, Minnesota, and Missouri (Table C.20). In the Midwest census region, decreases were seen in the 12 to 17 age group (from 7.6 to 7.2 percent) and in the 18 to 25 age group (from 21.6 to 20.6 percent). At the State level, decreases occurred among young adults aged 18 to 25 in Minnesota, Missouri, South Dakota, and Wisconsin; all of these States are located in the Midwest region.

5.4 Needing But Not Receiving Treatment for Illicit Drug Problems

The definition of a person needing but not receiving treatment for an illicit drug problem is that the person met the criteria for illicit drug dependence or abuse in the past year according to the DSM-IV (APA, 1994), but did not receive specialty treatment for an illicit drug problem in the past year. Specialty treatment is treatment received at a drug or alcohol rehabilitation facility (inpatient or outpatient), hospital (inpatient only), or mental health center. It does not include treatment at an emergency room, private doctor's office, self-help group, prison or jail, or hospital as an outpatient. The national rate in 2009-2010 for needing but not receiving treatment for an illicit drug problem among persons aged 12 or older was 2.5 percent, which was similar to the rate in 2008-2009 (Table C.21).

In 2009-2010, California and Rhode Island had the highest percentage of persons aged 12 or older (3.0 percent) needing but not receiving treatment for an illicit drug use problem (Table B.21). North Dakota had the lowest rate among persons aged 12 or older (1.8 percent). Among persons aged 12 or older, decreases between the 2008-2009 and 2009-2010 estimates were

observed in Kentucky, Nevada, Rhode Island, and West Virginia (Table C.21). Among persons aged 18 to 25, decreases were seen in the District of Columbia and Nevada, and an increase was seen in Washington.

5.5 Needing But Not Receiving Treatment for Alcohol Problems

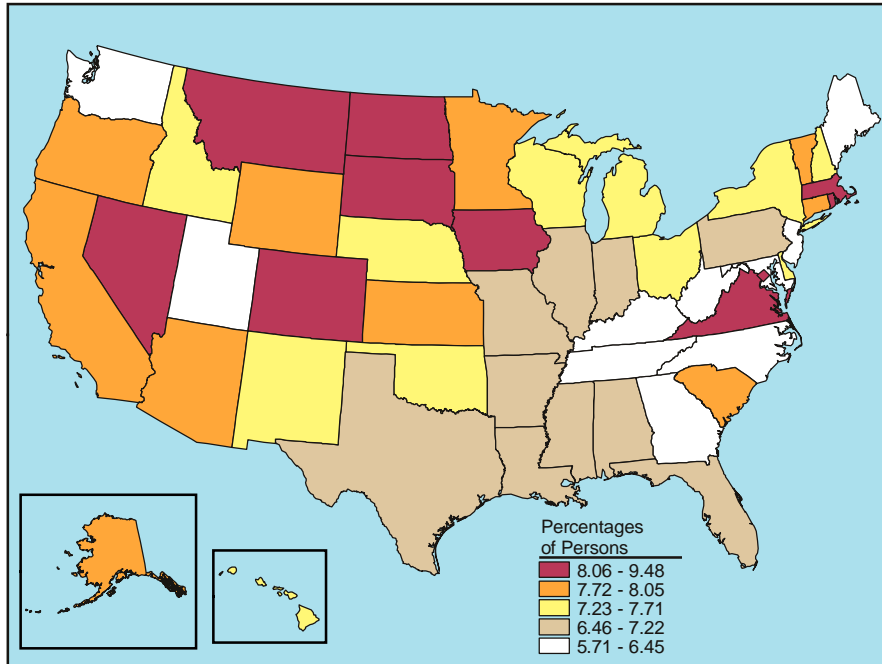
The definition of a person needing but not receiving treatment for an alcohol problem is that the person met the criteria for alcohol dependence or abuse in the past year according to the DSM-IV (APA, 1994), but did not receive specialty treatment for an alcohol problem in the past year. The percentage of persons aged 12 or older needing but not receiving treatment for an alcohol problem was 6.9 percent in 2009-2010, which was similar to the rate of 7.0 percent in 2008-2009 (Table C.22).

Five States (California, Colorado, District of Columbia, Massachusetts, and Rhode Island) were ranked in the highest quintile for both needing but not receiving treatment for an alcohol problem and needing but not receiving treatment for an illicit drug problem among persons aged 12 or older (Figures 5.21 and 5.25). The District of Columbia had the highest rate of needing but not receiving treatment for an alcohol problem among persons aged 12 or older (9.2 percent), while Utah had the lowest rate (5.4 percent) (Table B.22). Although the District of Columbia ranked in the top fifth for needing but not receiving treatment for an alcohol problem among persons aged 26 or older and among persons aged 12 or older, it ranked in the lowest quintile group among 12 to 17 year olds with a rate of 3.4 percent (among 12 to 17 year olds, Maryland's rate was the lowest at 3.3 percent).

At the State level, among persons 12 or older, declines in the rate of needing but not receiving treatment for an alcohol problem from 2008-2009 to 2009-2010 were seen in Minnesota and New Mexico (Table C.22). A decline also was seen in the Midwest region. Among young adults aged 18 to 25, a decrease was observed in the Northeast and Midwest regions, as well as nationally (from 16.1 percent in 2008-2009 to 15.3 percent in 2009-2010). At the State level, decreases among young adults occurred in Delaware, Minnesota, Missouri, New Mexico, South Dakota, and Wisconsin.

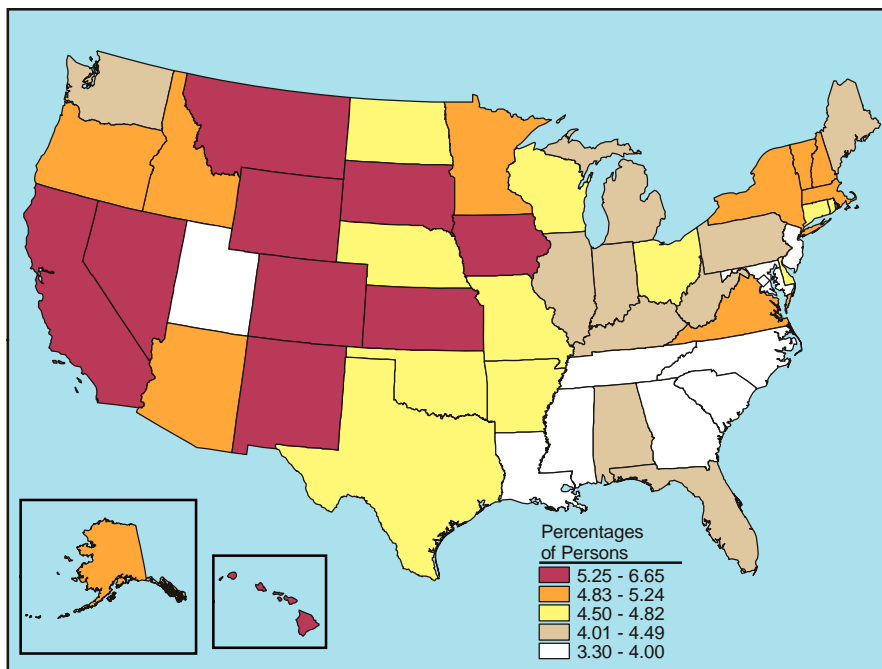
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Figure 5.1 *Alcohol Dependence or Abuse in Past Year among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



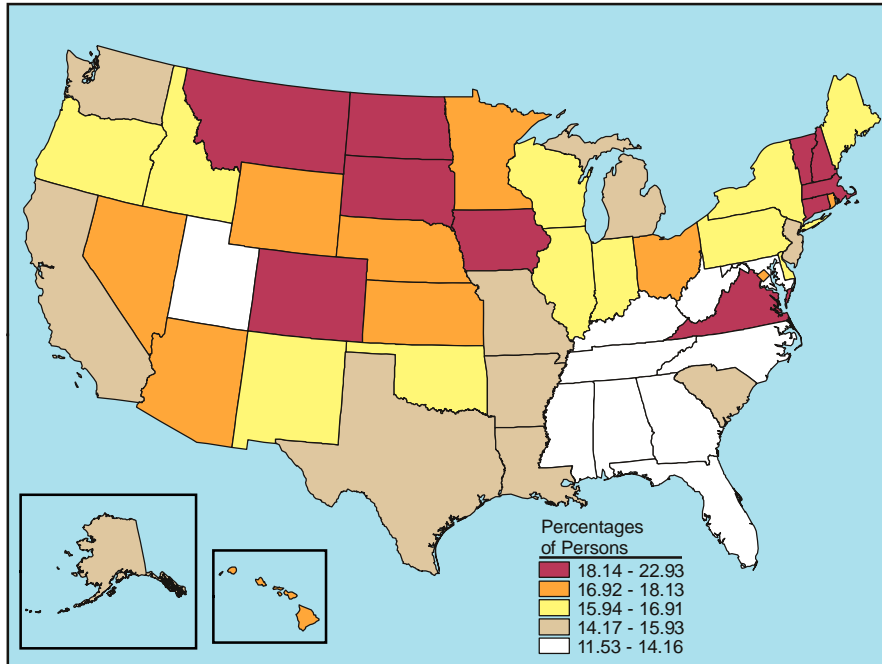
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.2 *Alcohol Dependence or Abuse in Past Year among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



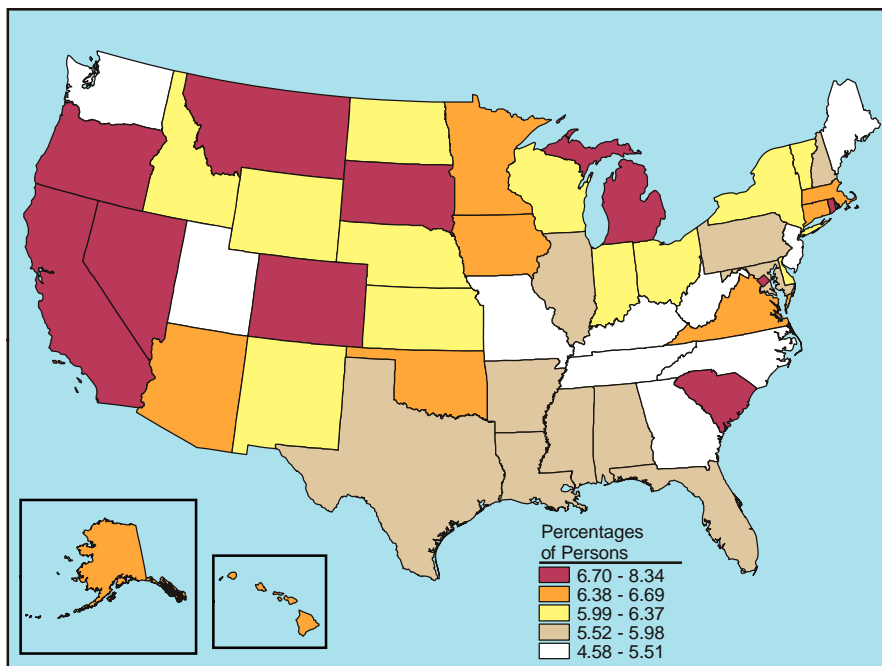
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.3 *Alcohol Dependence or Abuse in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



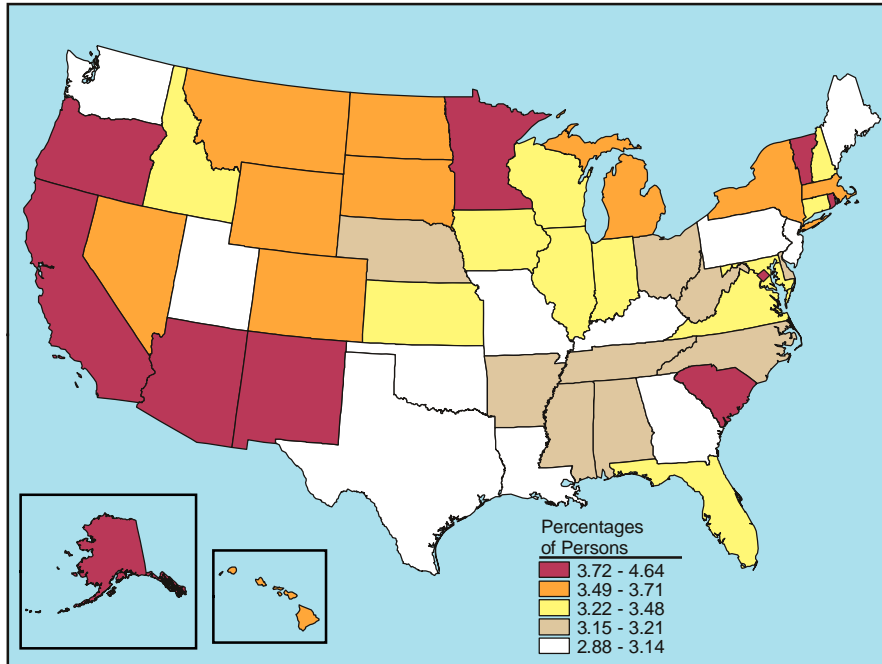
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.4 *Alcohol Dependence or Abuse in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



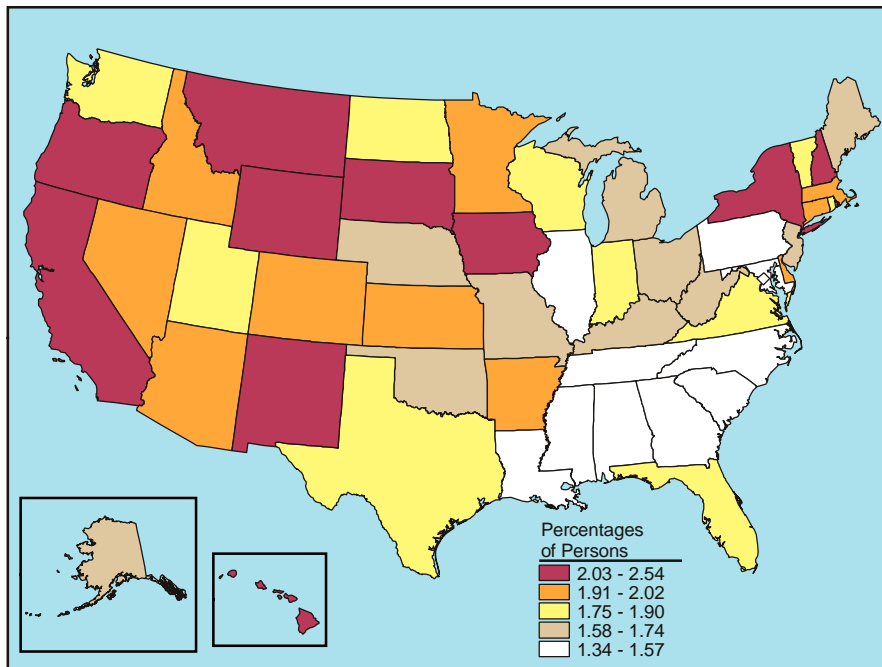
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.5 Alcohol Dependence in Past Year among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs



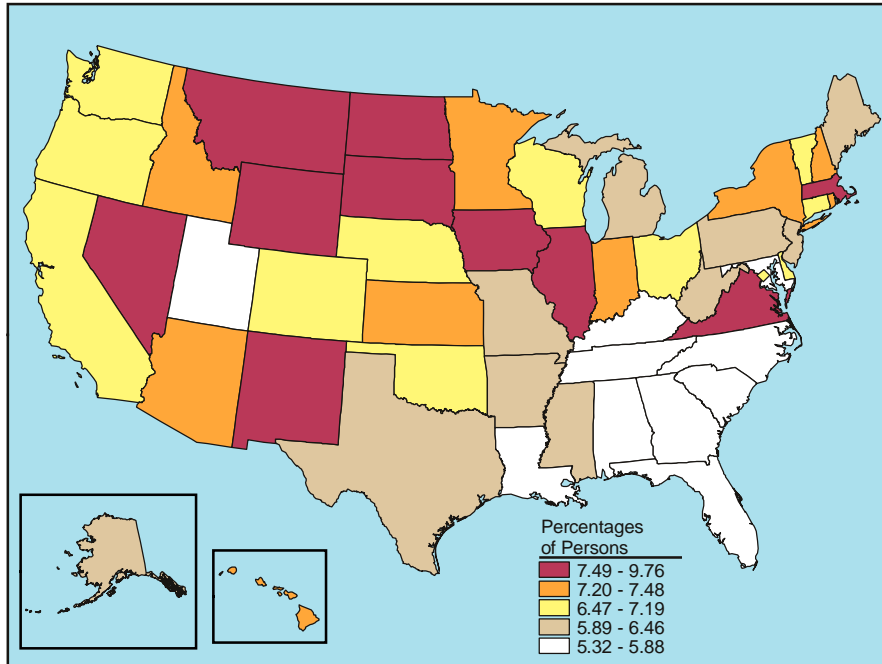
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.6 Alcohol Dependence in Past Year among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs



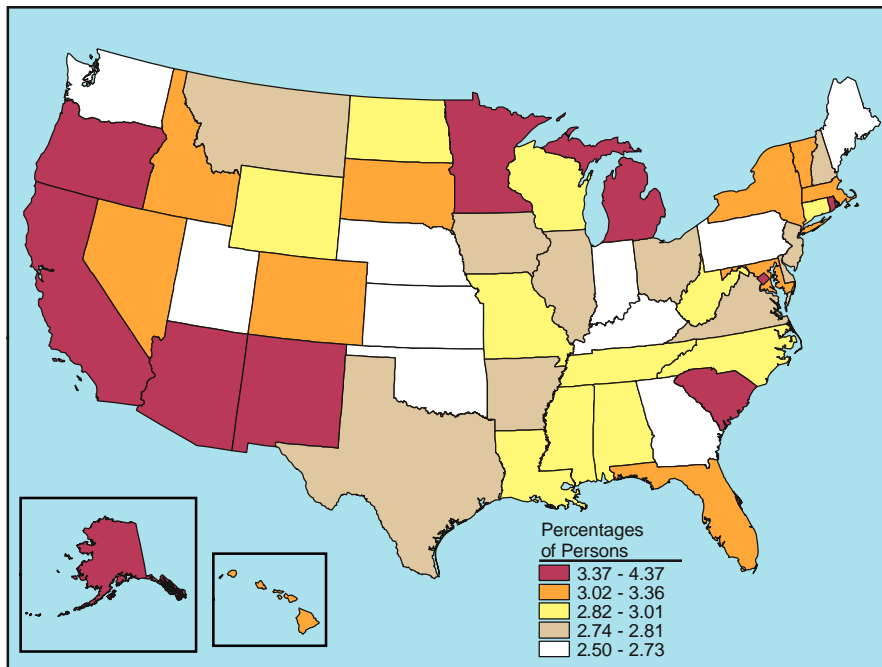
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.7 Alcohol Dependence in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs



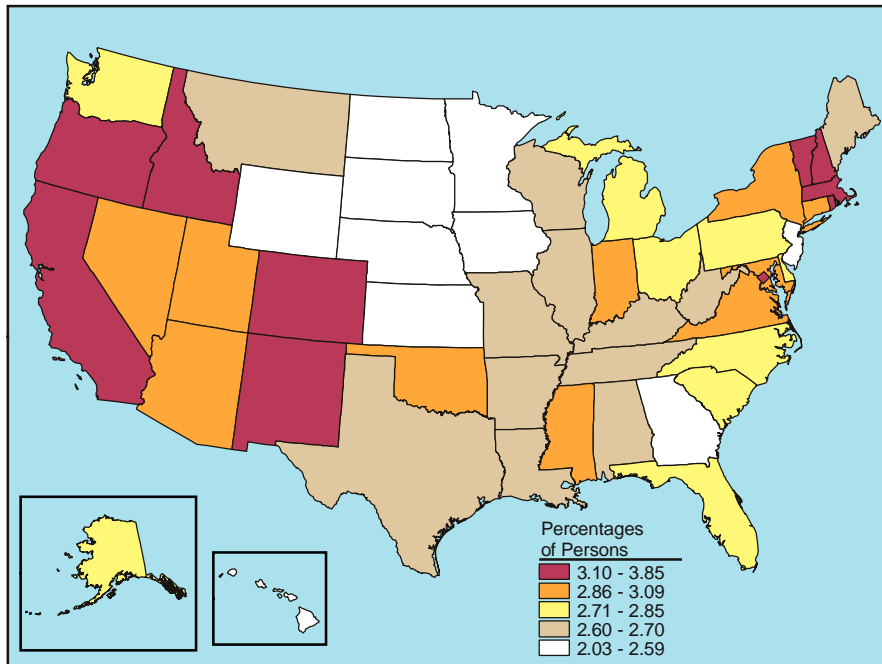
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.8 Alcohol Dependence in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs



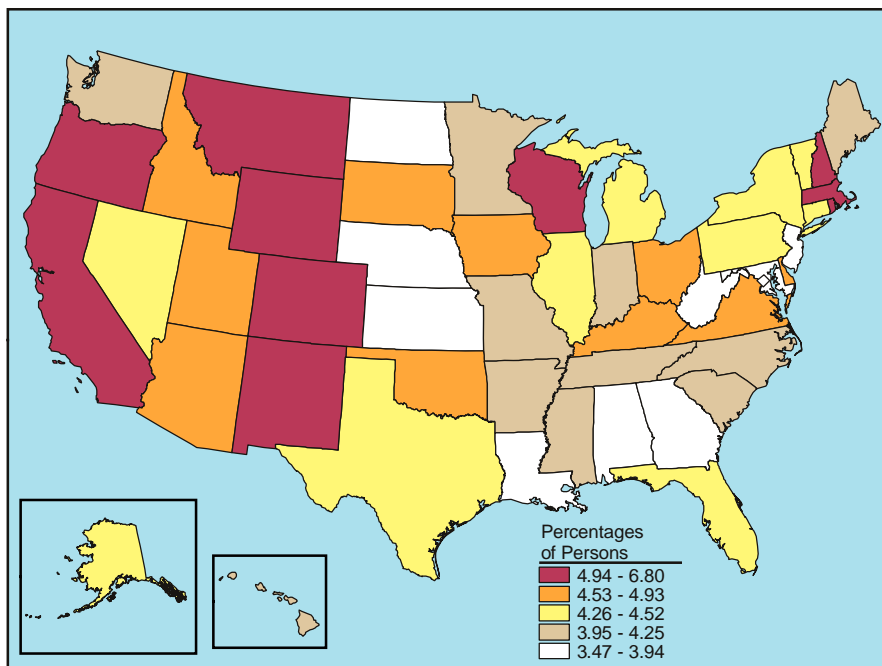
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.9 *Illicit Drug Dependence or Abuse in Past Year among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



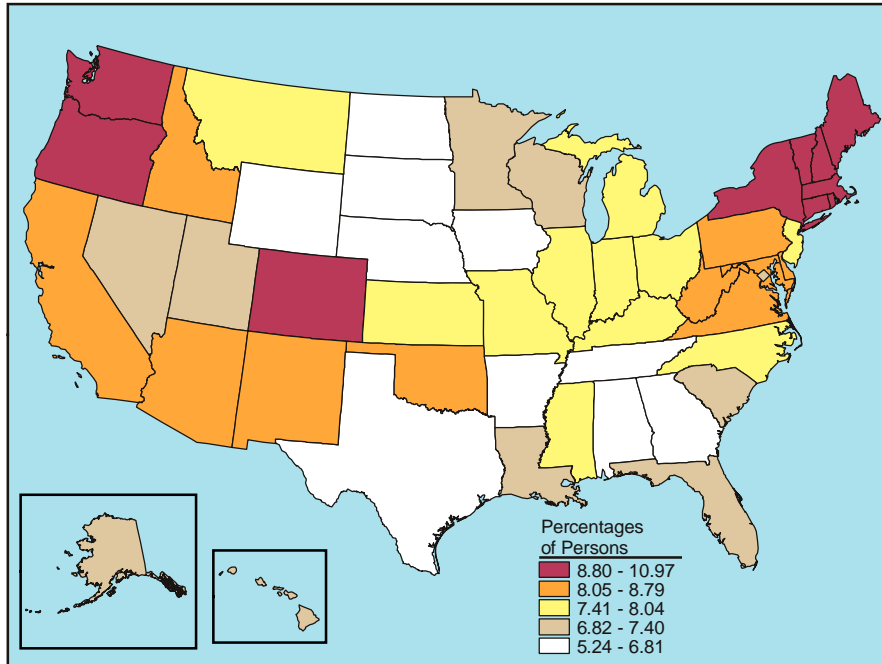
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.10 *Illicit Drug Dependence or Abuse in Past Year among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



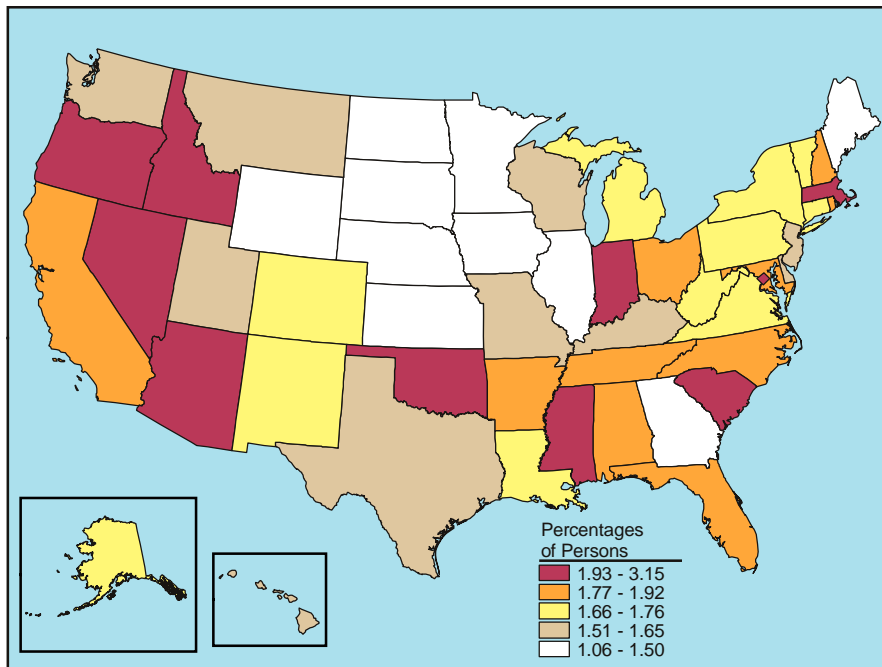
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.11 *Illicit Drug Dependence or Abuse in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



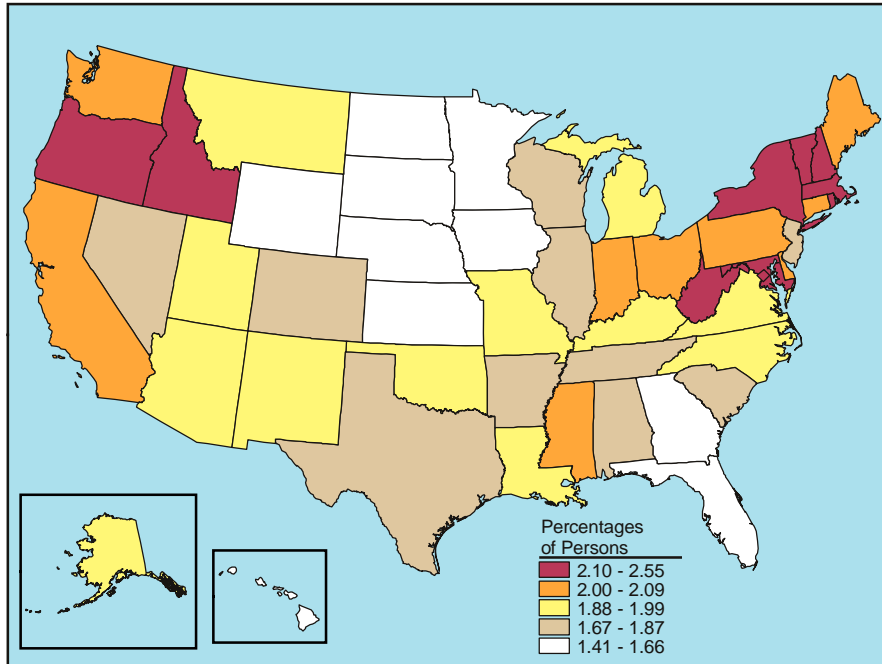
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.12 *Illicit Drug Dependence or Abuse in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



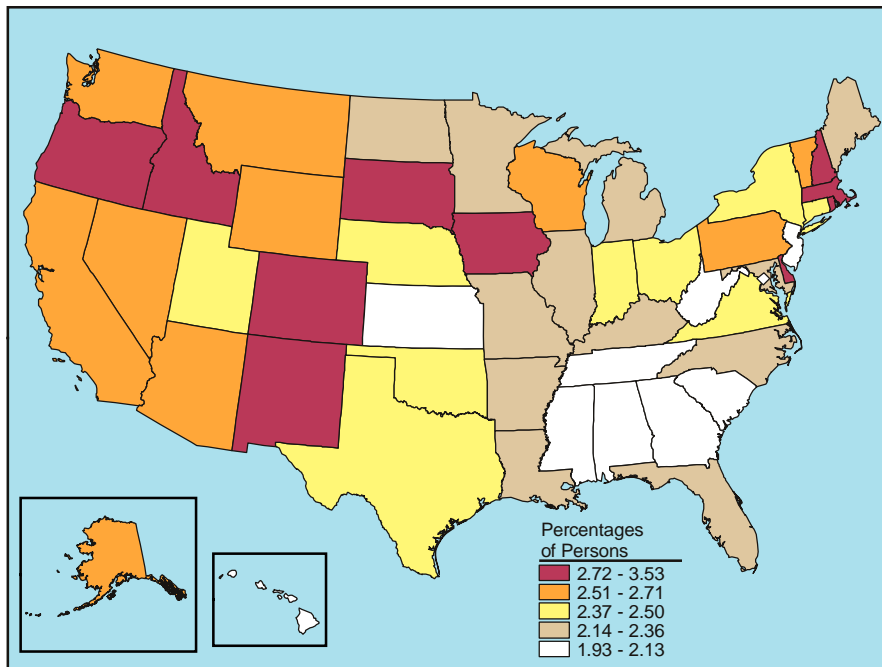
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.13 *Illicit Drug Dependence in Past Year among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



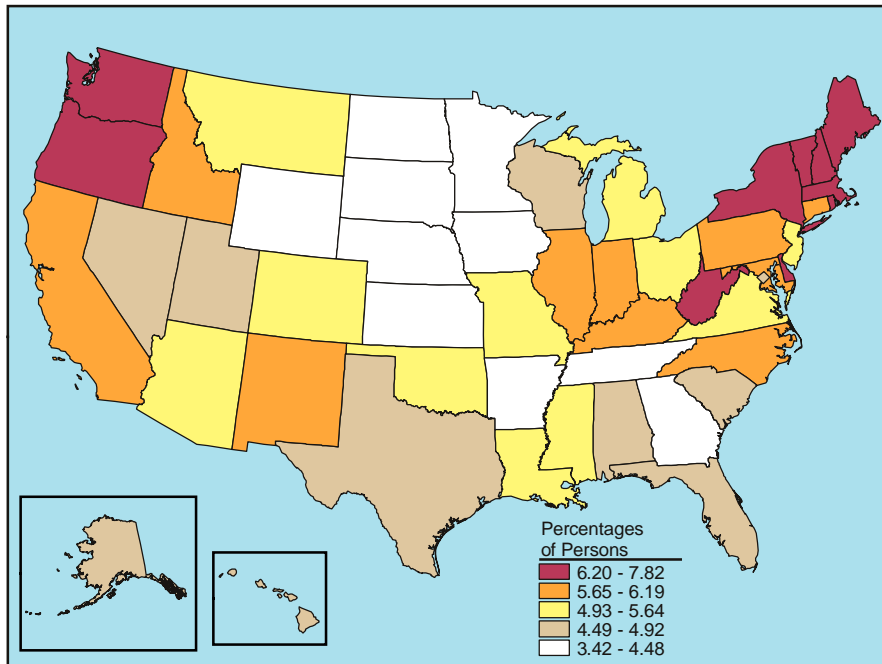
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.14 *Illicit Drug Dependence in Past Year among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



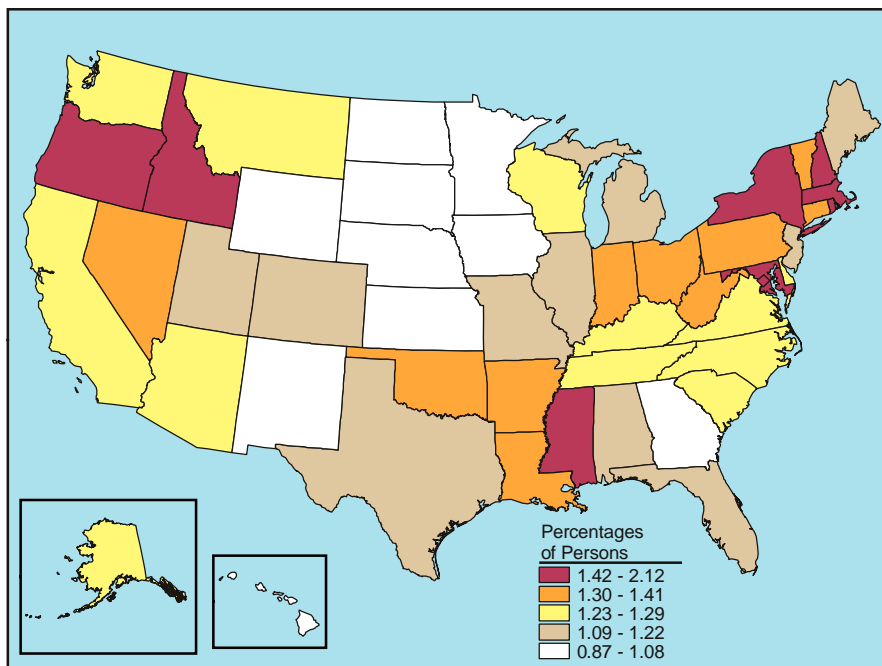
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.15 *Illicit Drug Dependence in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



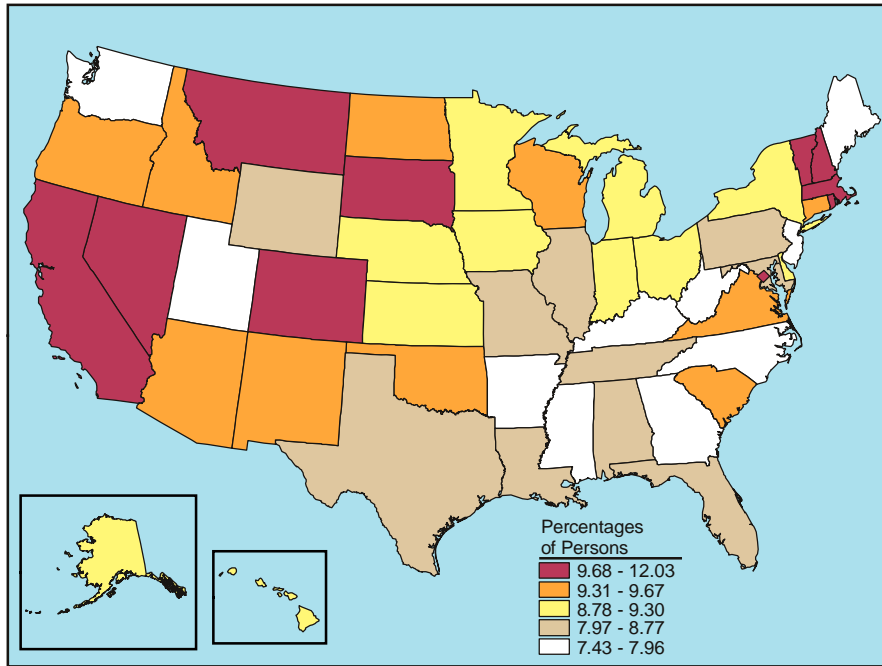
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.16 *Illicit Drug Dependence in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



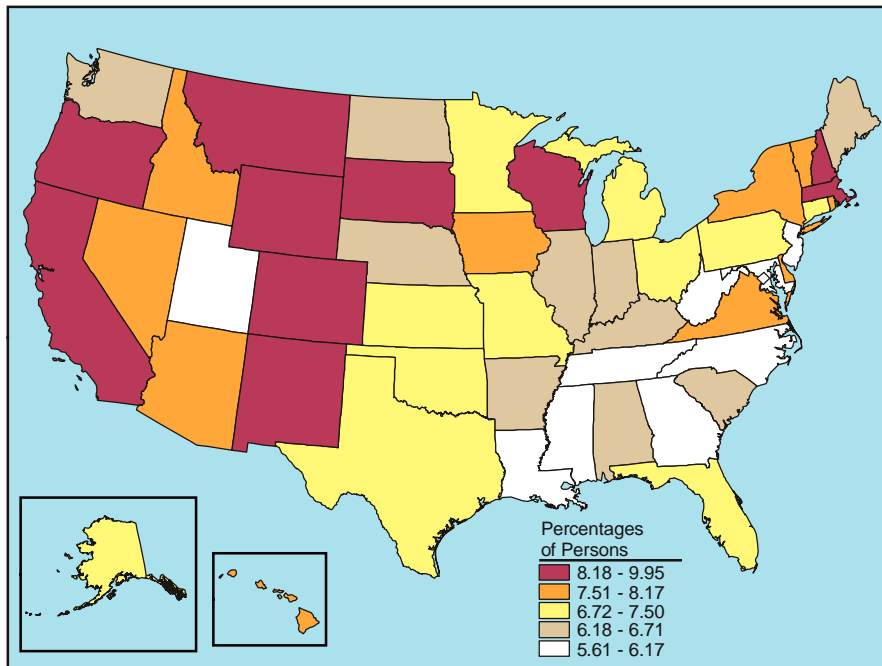
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.17 *Dependence or Abuse of Illicit Drugs or Alcohol in Past Year among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



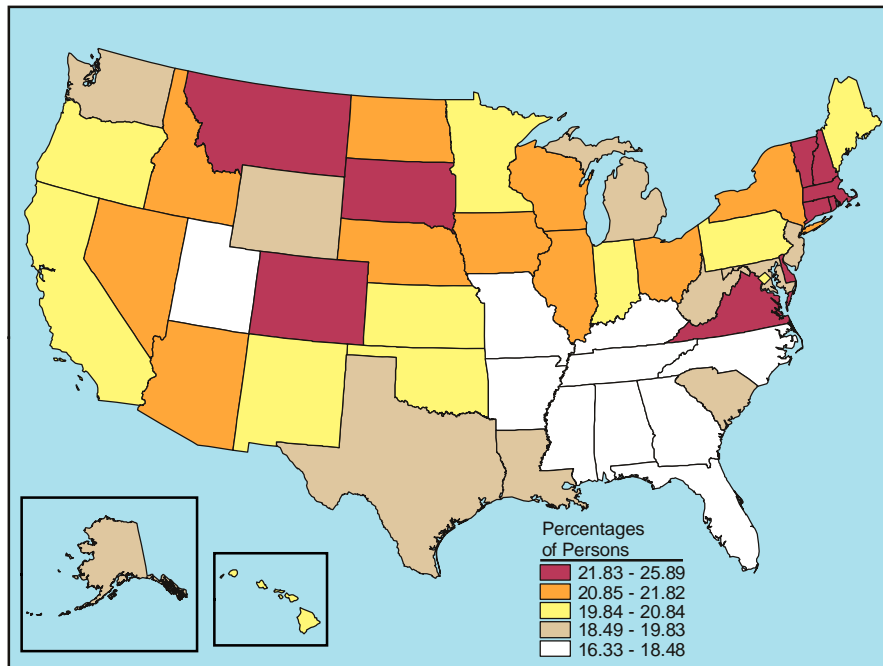
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.18 *Dependence or Abuse of Illicit Drugs or Alcohol in Past Year among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



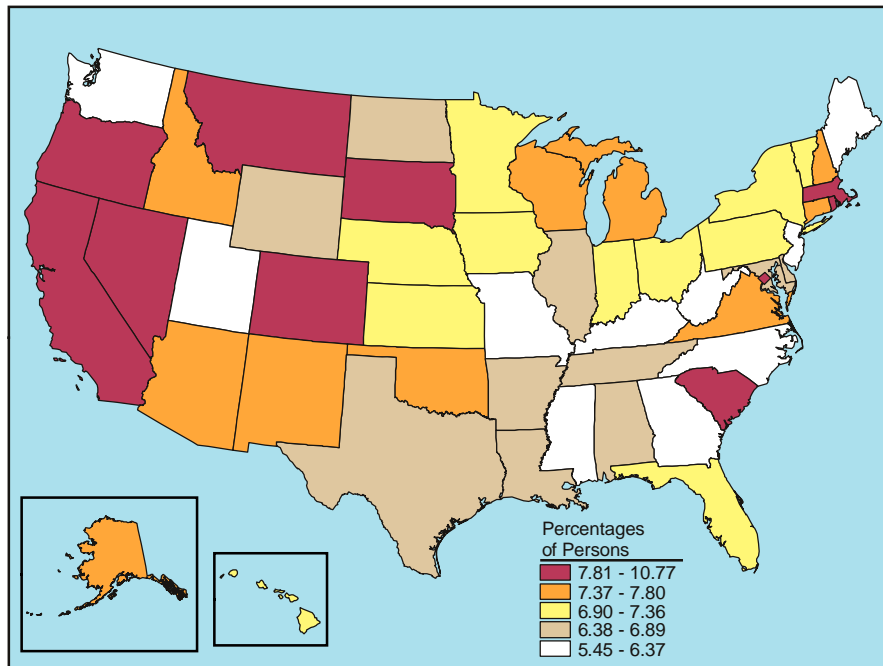
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.19 *Dependence or Abuse of Illicit Drugs or Alcohol in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



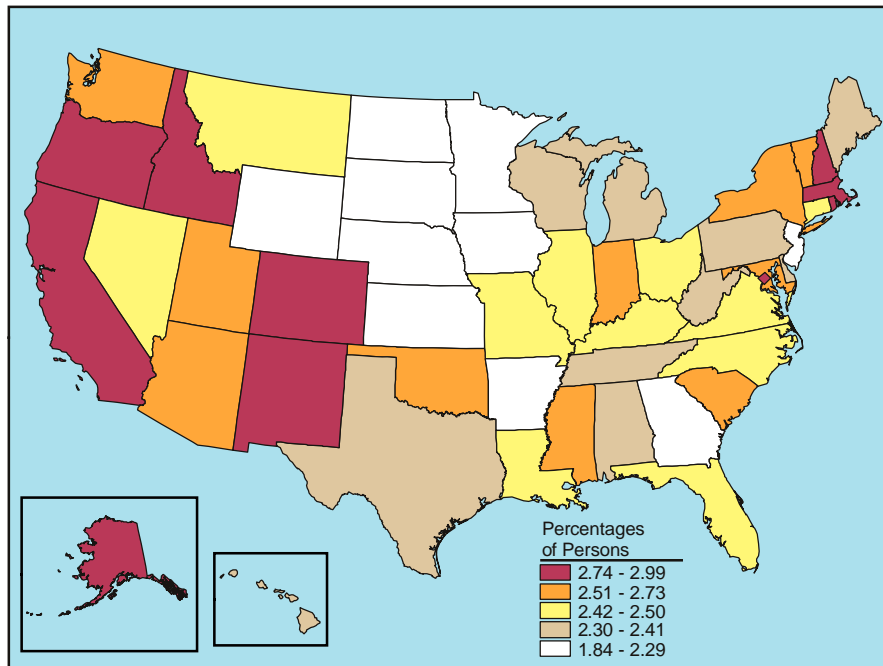
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.20 *Dependence or Abuse of Illicit Drugs or Alcohol in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



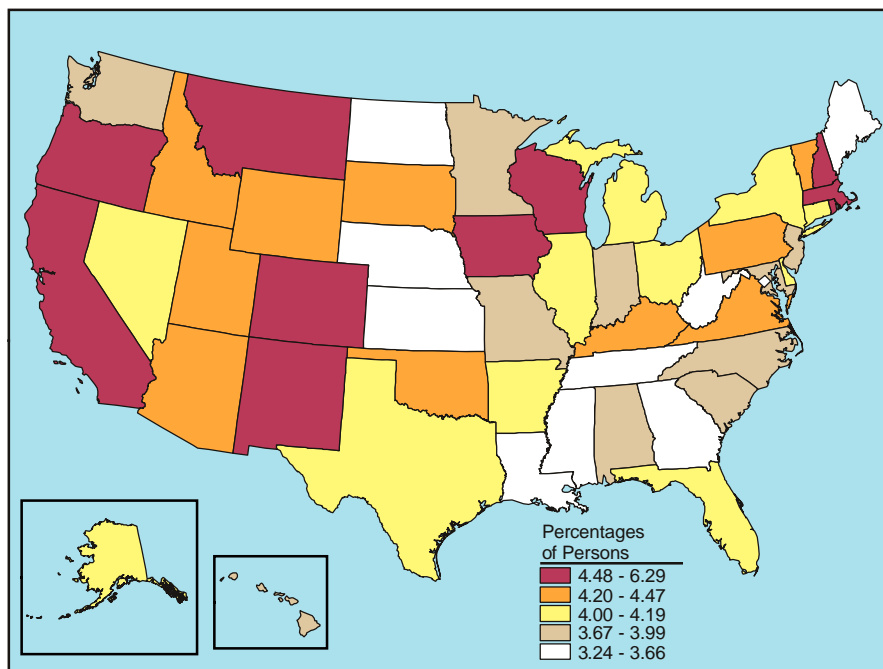
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.21 *Needing But Not Receiving Treatment for Illicit Drug Use in Past Year among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



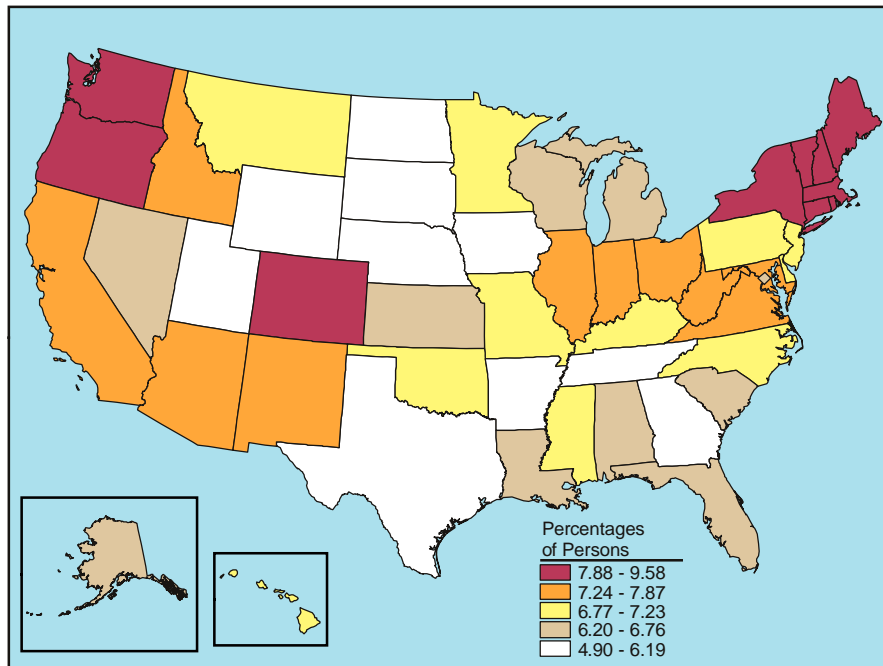
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.22 *Needing But Not Receiving Treatment for Illicit Drug Use in Past Year among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



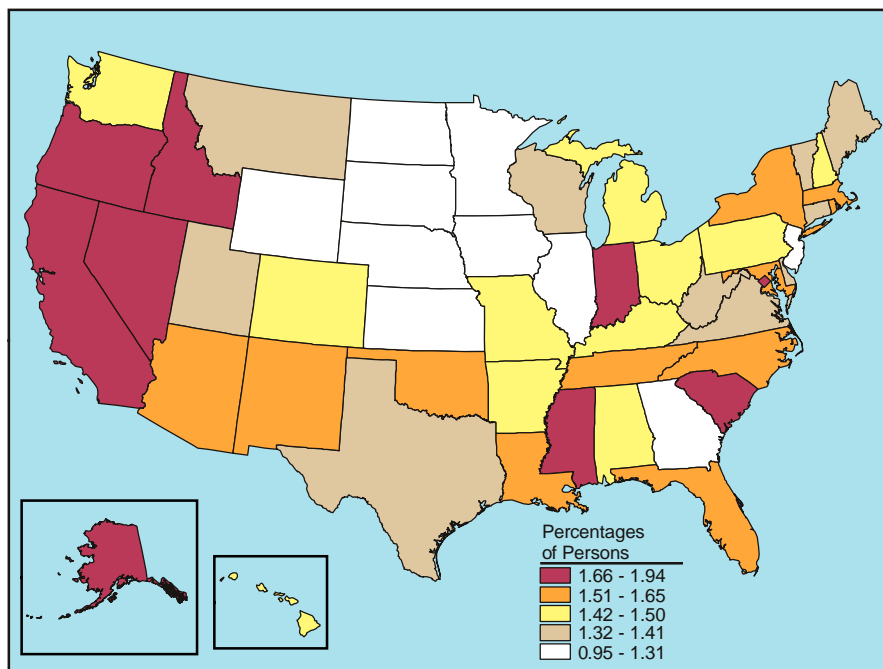
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.23 *Needing But Not Receiving Treatment for Illicit Drug Use in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



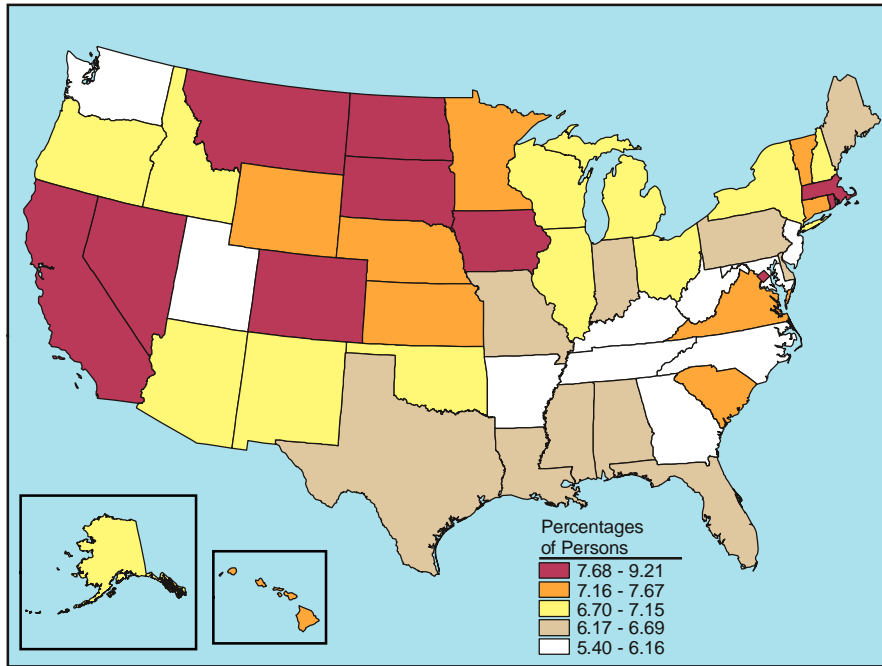
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.24 *Needing But Not Receiving Treatment for Illicit Drug Use in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



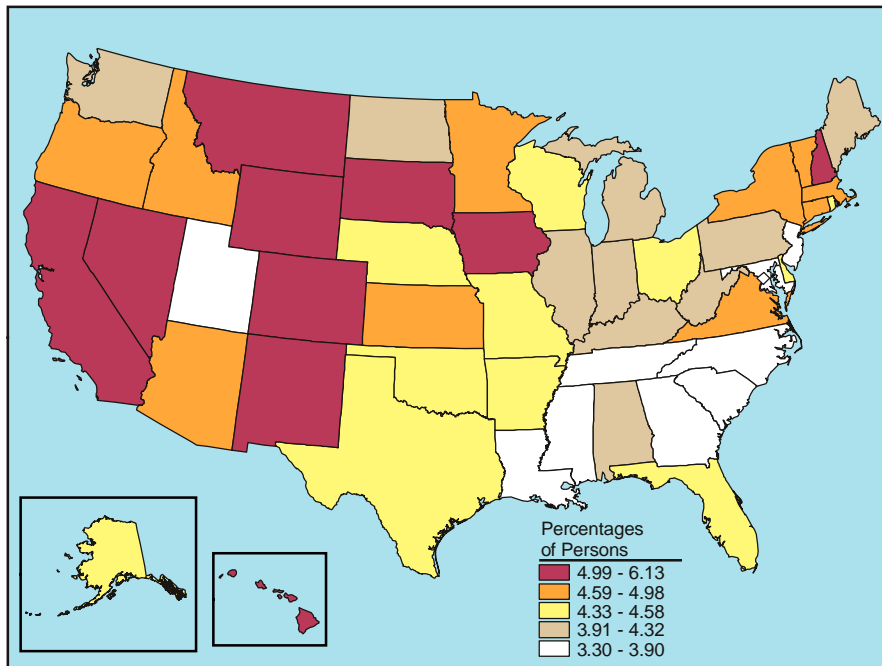
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.25 *Needing But Not Receiving Treatment for Alcohol Use in Past Year among Persons Aged 12 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



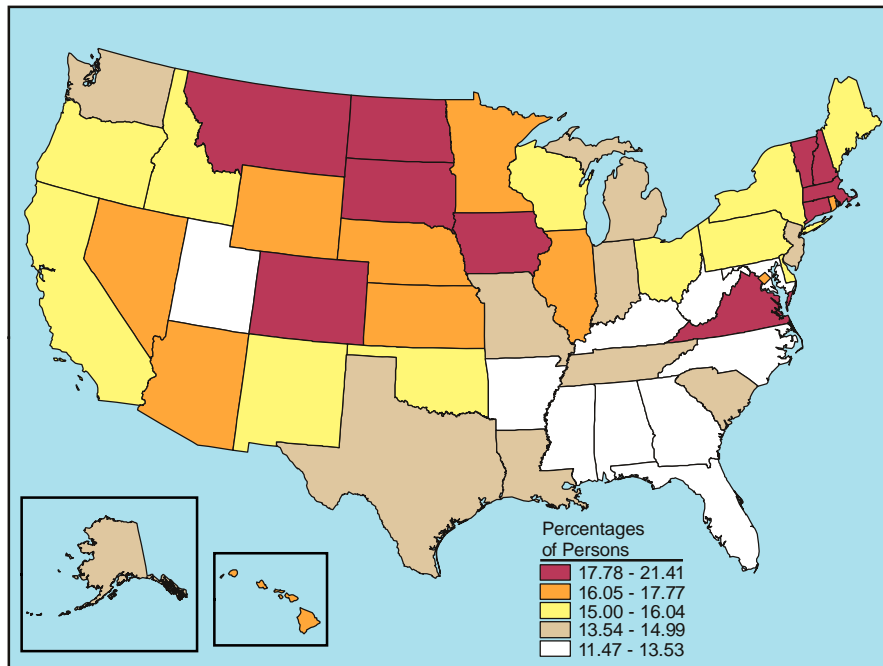
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.26 *Needing But Not Receiving Treatment for Alcohol Use in Past Year among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



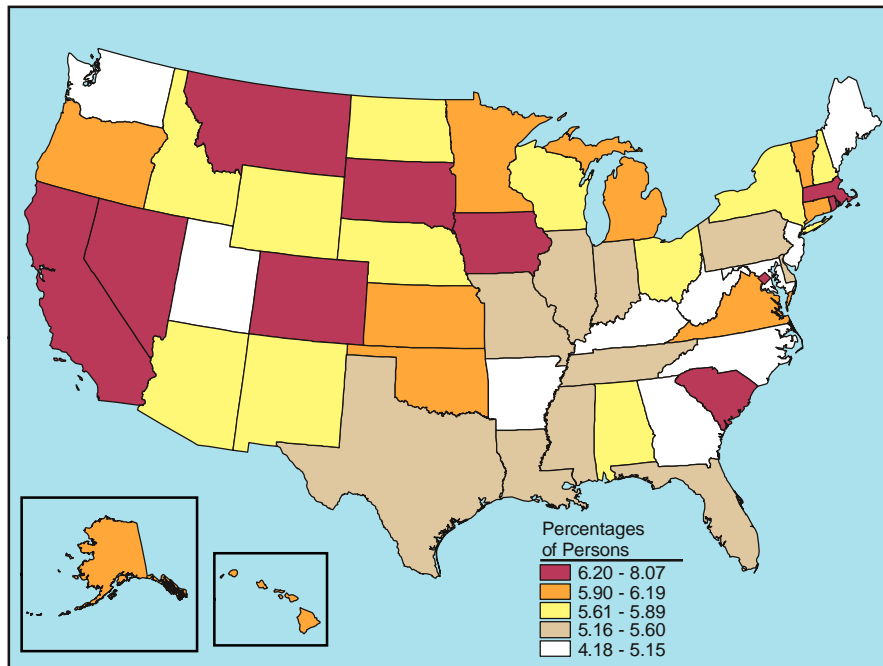
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.27 *Needing But Not Receiving Treatment for Alcohol Use in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 5.28 *Needing But Not Receiving Treatment for Alcohol Use in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

6. Mental Disorders

This chapter presents findings from the National Survey on Drug Use and Health (NSDUH) on past year serious mental illness, any mental illness, serious thoughts of suicide, and major depressive episode (i.e., depression) for adults aged 18 or older. Estimates of depression among youths aged 12 to 17 also are included. In addition to the findings, a brief description of each measure is provided. For more details on these measures, see Section A.11 in Appendix A.

6.1 Serious Mental Illness among Adults

Public Law No. 102-321, the Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA) Reorganization Act of 1992, established a block grant for States within the United States to fund community mental health services for adults with serious mental illness. The law required States to include prevalence estimates in their annual applications for block grant funds. This legislation also required the Substance Abuse and Mental Health Services Administration (SAMHSA) to develop an operational definition of serious mental illness.

SAMHSA defined serious mental illness among adults as persons aged 18 or older who currently or at any time in the past year have had a diagnosable mental, behavioral, or emotional disorder (excluding developmental and substance use disorders) of sufficient duration to meet diagnostic criteria specified within the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV) (American Psychiatric Association [APA], 1994) that has resulted in serious functional impairment, which substantially interferes with or limits one or more major life activities.

Nationally in 2009-2010, 3.9 percent of adults aged 18 or older had serious mental illness in the past year (Table B.23). Idaho and Utah had the highest rate (5.1 percent), while California had the lowest rate (3.2 percent) among adults 18 or older. Among the 18 or older and 26 or older age groups, one State (Alabama) had an increase in the rate of serious mental illness from 2008-2009 to 2009-2010 (Table C.23). There were increases in two States (Delaware and Idaho) for the 18 to 25 year olds. No decreases occurred in any State or age group.

6.2 Any Mental Illness among Adults

Any mental illness among adults aged 18 or older is defined as currently or at any time in the past year having had a diagnosable mental, behavioral, or emotional disorder (excluding developmental and substance use disorders) of sufficient duration at any time during the past year to meet diagnostic criteria specified within the DSM-IV (APA, 1994). Adults who had a diagnosable mental, behavioral, or emotional disorder in the past year, regardless of their level of functional impairment, were defined as having any mental illness.

In 2009-2010, the national rate of past year any mental illness among adults aged 18 or older was 18.1 percent (Table B.24). The highest rate for any mental illness among persons aged 18 or older occurred in Utah (22.9 percent); the lowest rate occurred in Georgia (15.6 percent). Among persons aged 18 or older, Alabama, Idaho, Montana, Nevada, Rhode Island, Utah, and

West Virginia ranked in the highest fifth for both serious mental illness and any mental illness (Figures 6.1 and 6.4).

Among adults aged 18 or older and 26 or older, three States had increases in the rate of any mental illness between 2008-2009 and 2009-2010 (Alabama, Alaska, and Idaho), while three States had decreases (Nevada, Rhode Island, and Wisconsin) and one State had an increase (Alaska) among young adults aged 18 to 25 (Table C.24).

6.3 Serious Thoughts of Suicide among Adults

Responding to a need for national and State-level data on the prevalence of suicidal thoughts and behavior, a set of questions was added beginning with the 2008 NSDUH questionnaire. These questions include asking all adult respondents aged 18 or older if at any time during the past 12 months they had serious thoughts of suicide.

In 2009-2010, 3.8 percent of adults aged 18 or older had serious thoughts of suicide in the past year in the United States, which was similar to the rate from 2008-2009 (3.7 percent) (Table C.25). State-level estimates ranged from 3.1 percent in Georgia and Texas to 5.0 percent in Utah. Having serious thoughts of suicide in the past year was highest among young adults aged 18 to 25 (6.4 percent nationwide) in 2009-2010 (Table B.25).

Between 2008-2009 and 2009-2010, an increase in the percentage of adults having had serious thoughts of suicide was seen in Delaware (from 3.0 to 3.9 percent among all adults 18 or older). No other changes in any State or age group were observed.

6.4 Youth and Adult Depression

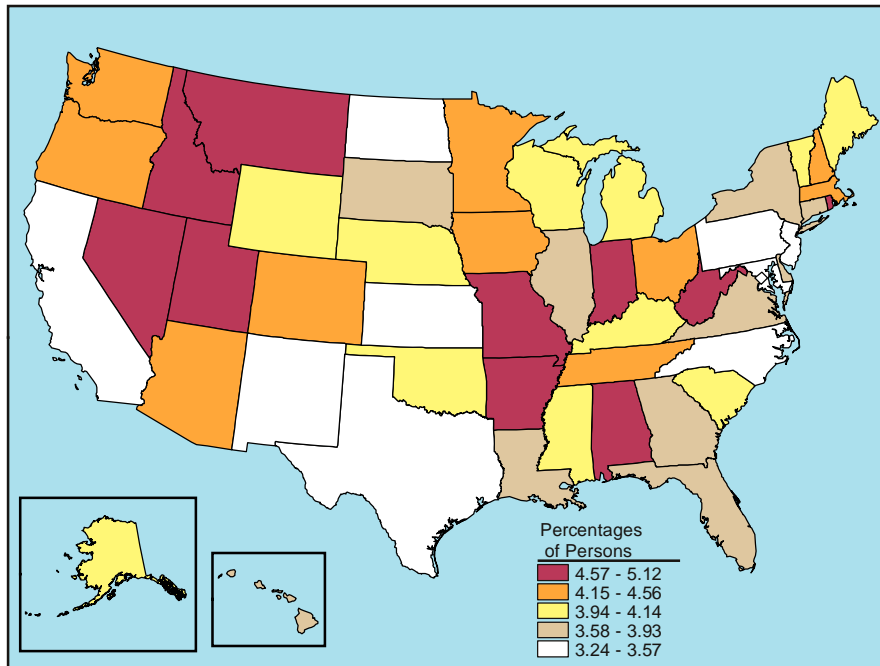
Whether a person has a major depressive episode is determined from the criteria specified in the DSM-IV (APA, 1994). The NSDUH questionnaire allows for the production of various estimates related to major depressive episode, including lifetime and past year prevalence, treatment, and role impairment. For this report, estimates were produced only for past year major depressive episode (i.e., depression). Some questions in the adult module differ slightly from questions in the adolescent depression module. Therefore, data on major depressive episode for adults aged 18 or older should not be compared or combined with data on major depressive episode for youths aged 12 to 17.

Nationwide in 2009-2010, 6.7 percent of adults aged 18 or older had a major depressive episode in the past year, which was similar to the rate from 2008-2009 (6.5 percent) (Table C.26). Estimates at the State level ranged from 5.9 percent in New Mexico to 8.2 percent in Utah (Table B.26). Between 2008-2009 and 2009-2010, rates of depression among adults aged 18 or older increased in Iowa and Ohio (Table C.26).

In 2009-2010, 8.1 percent of youths aged 12 to 17 experienced depression nationwide during the past year (Table B.26), which was similar to the rate in 2008-2009 (8.2 percent) (Table C.26). In 2009-2010, rates of depression among youths ranged from 6.9 percent in the District of Columbia and Louisiana to 9.6 percent in Missouri. At the State level, there were no significant changes in the rates of depression among youths between 2008-2009 and 2009-2010.

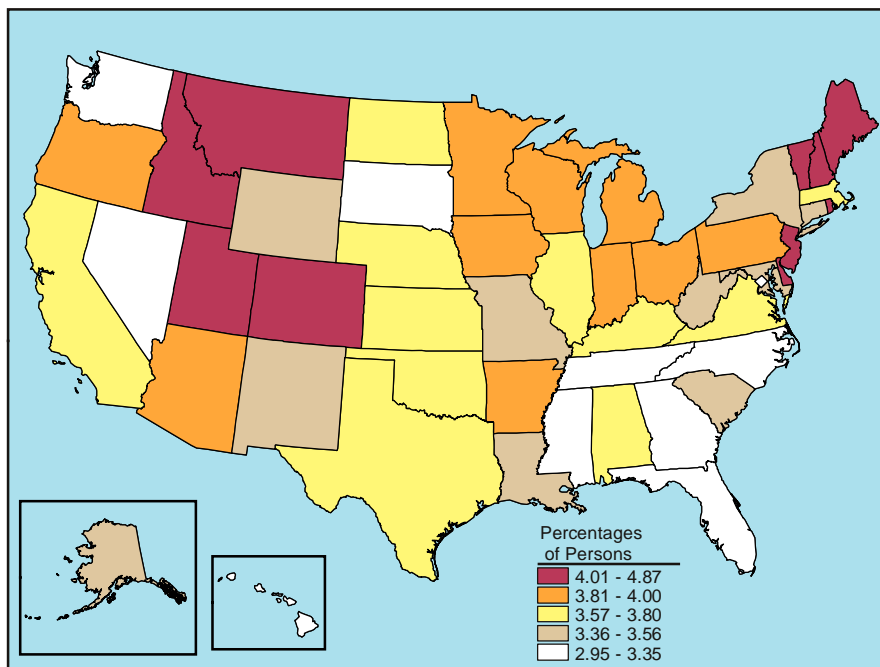
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Figure 6.1 *Serious Mental Illness in Past Year among Persons Aged 18 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



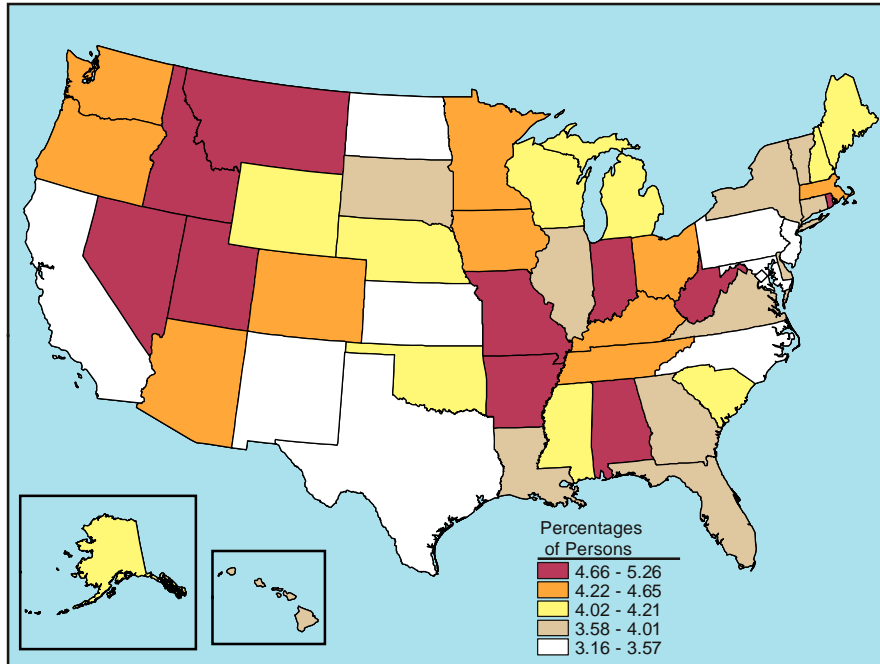
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012; SMI Estimates Revised October 2013).

Figure 6.2 *Serious Mental Illness in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



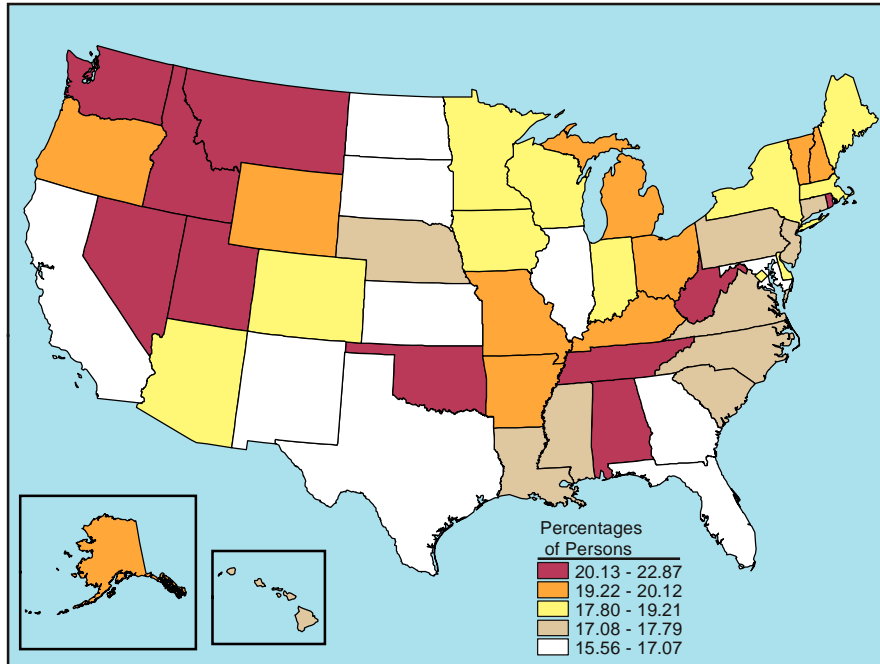
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012; SMI Estimates Revised October 2013).

Figure 6.3 *Serious Mental Illness in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



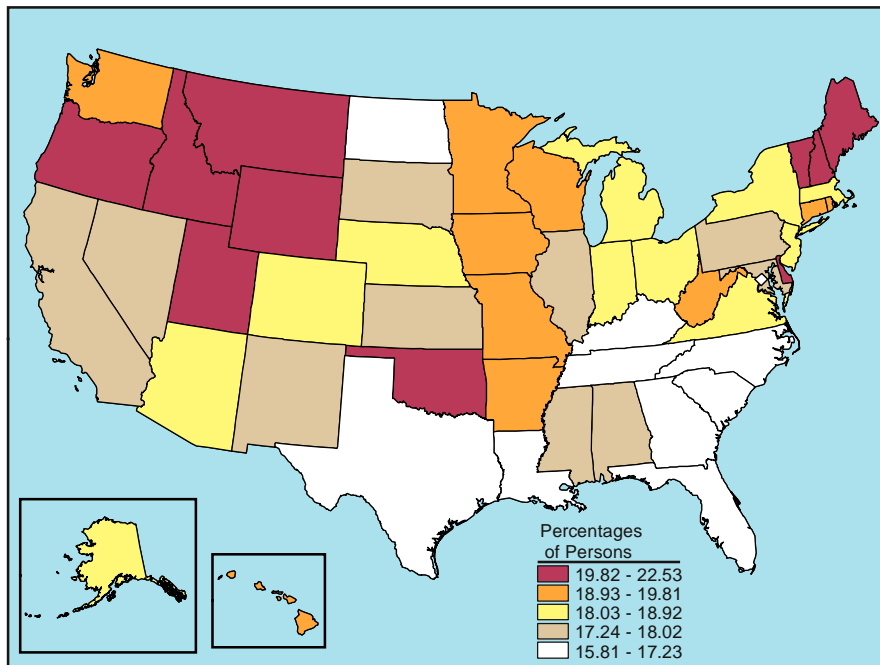
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012; SMI Estimates Revised October 2013).

Figure 6.4 *Any Mental Illness in Past Year among Persons Aged 18 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



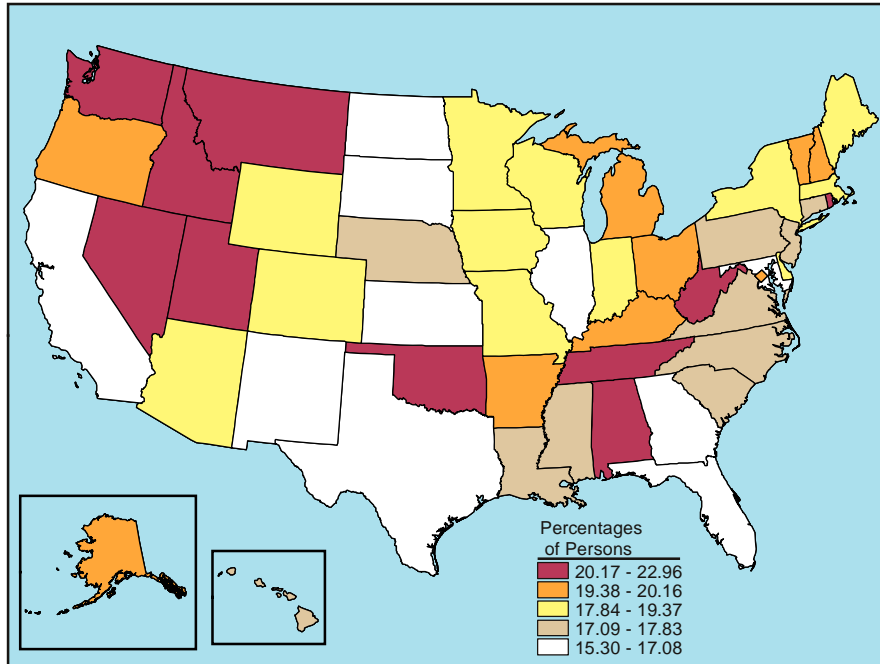
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012; AMI Estimates Revised October 2013).

Figure 6.5 *Any Mental Illness in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



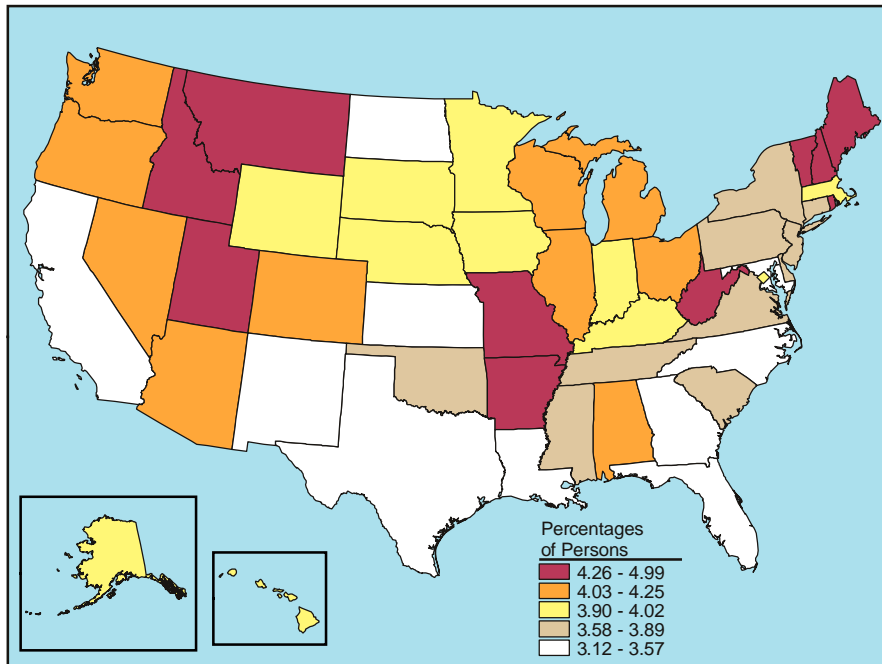
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012; AMI Estimates Revised October 2013).

Figure 6.6 *Any Mental Illness in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



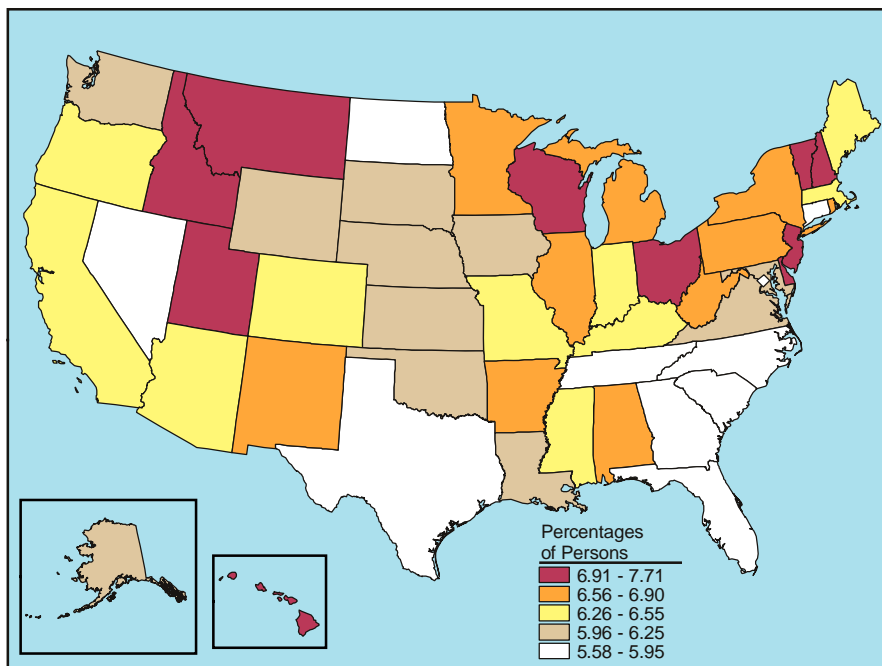
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012; AMI Estimates Revised October 2013).

Figure 6.7 *Had Serious Thoughts of Suicide in Past Year among Persons Aged 18 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



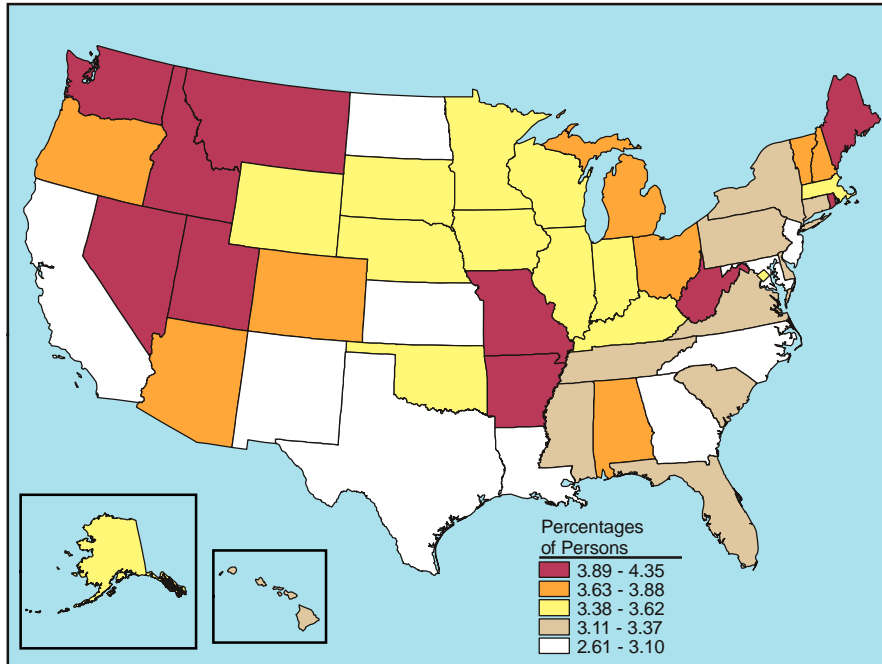
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 6.8 *Had Serious Thoughts of Suicide in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



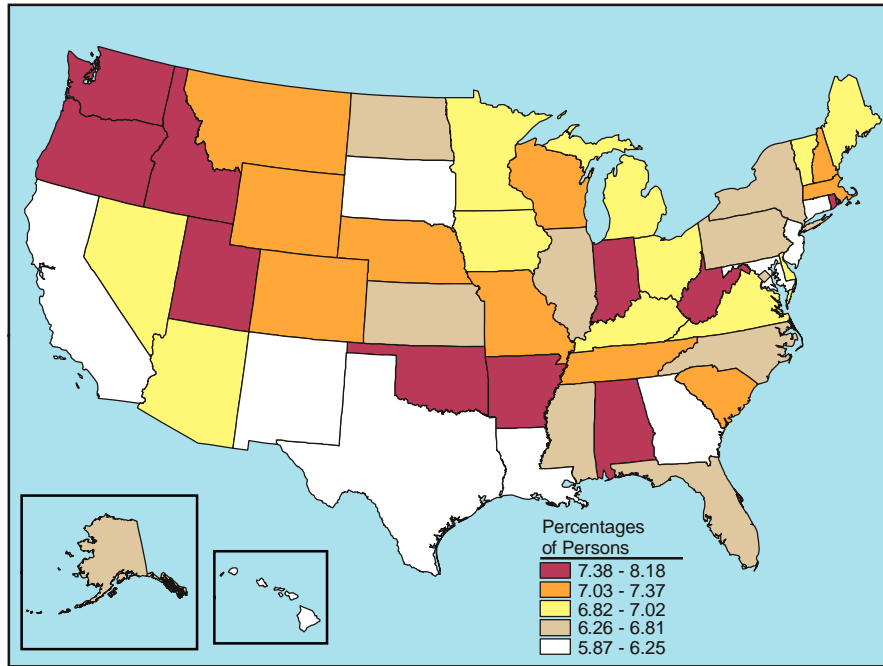
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 6.9 *Had Serious Thoughts of Suicide in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



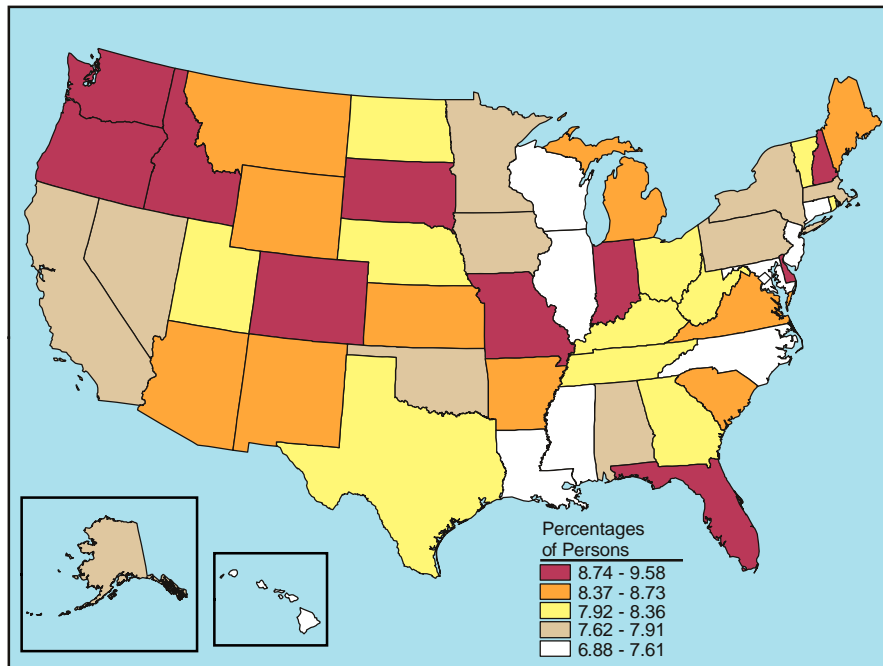
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 6.10 *Had at Least One Major Depressive Episode in Past Year among Persons Aged 18 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



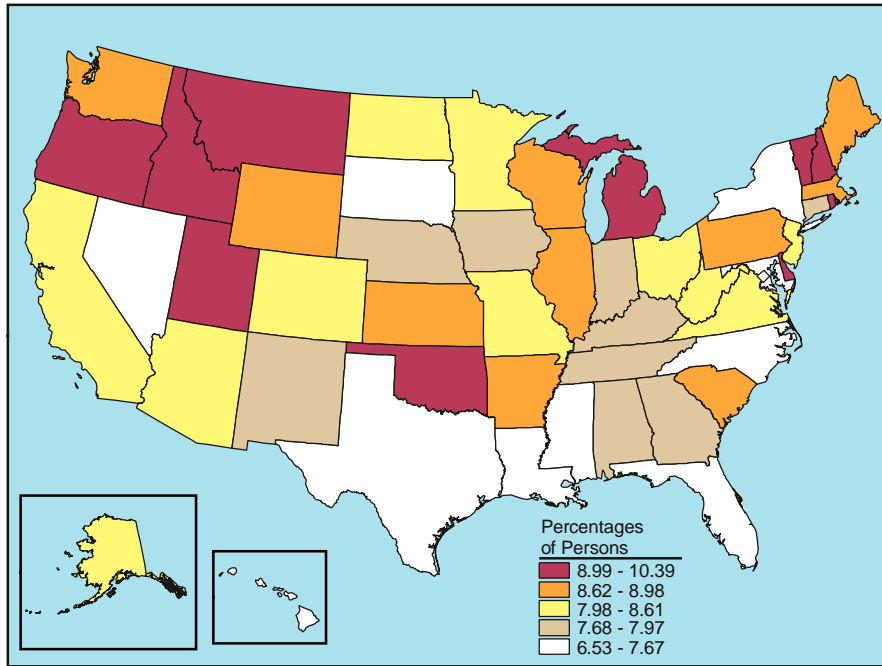
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 6.11 *Had at Least One Major Depressive Episode in Past Year among Youths Aged 12 to 17, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



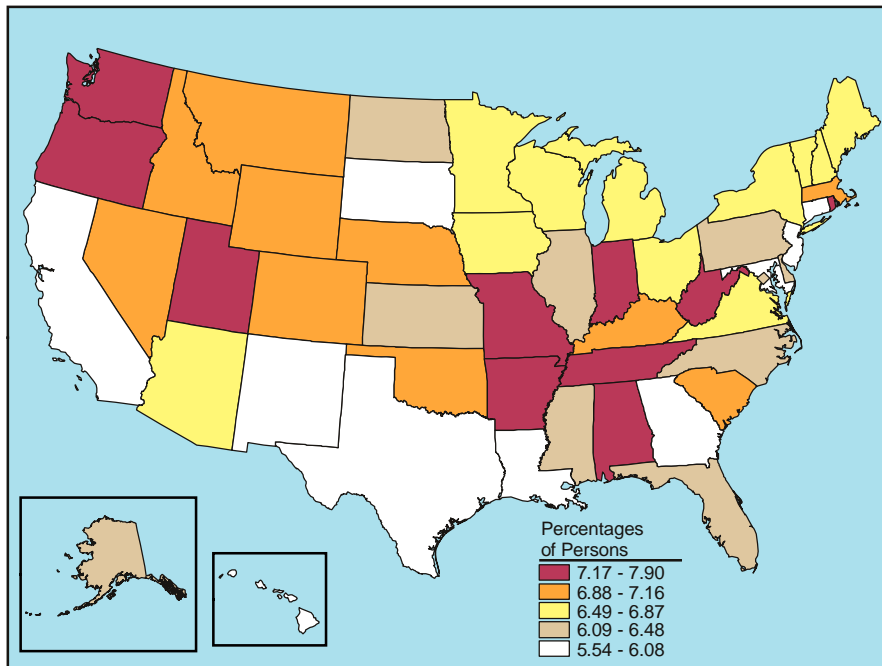
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 6.12 *Had at Least One Major Depressive Episode in Past Year among Persons Aged 18 to 25, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure 6.13 *Had at Least One Major Depressive Episode in Past Year among Persons Aged 26 or Older, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*



Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

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Appendix A: State Estimation Methodology

This report includes estimates of 25 substance use and mental health measures (see Section A.2) using the combined data from the 2009 and 2010 National Surveys on Drug Use and Health (NSDUHs). Also included in this report are comparisons between the 2008-2009 and the 2009-2010 combined-year State estimates. As discussed in Chapter 1 (Section 1.1), several changes were introduced to the survey in 2002; thus, estimates for 2001 and prior years are not comparable with estimates from 2002 and later years.

The survey-weighted hierarchical Bayes (SWHB) methodology used in the production of State estimates from the 1999 to 2009 surveys also was used in the production of the 2009-2010 State estimates. The SWHB methodology is described in Appendix E of the 2001 State report (Wright, 2003b) and by Folsom, Shah, and Vaish (1999). The goals of small area estimation (SAE) modeling and the implementation of SAE modeling remain the same and are described in Appendix E of the 2001 State report (Wright, 2003b). A general model description is given in Section A.1. A list of measures for which small area estimates are produced in this report is given in Section A.2. The list of predictors used in the 2009-2010 SAE modeling is given in Section A.3. Information on the updated population projections obtained from Claritas that were used for the first time in producing the 2007-2008 small area estimates and how they were used to create SAE model predictors is given in Section A.4. No new variable selection was done for any measure (as discussed in Section A.5).

Small area estimates obtained using the SWHB methodology are design consistent (i.e., the small area estimates for States with large sample sizes are close to the robust design-based estimates). The State small area estimates when aggregated using the appropriate population totals result in national small area estimates that are very close to the national design-based estimates. However, for numerous reasons (including internal consistency), it is desirable to have national small area estimates exactly match the national design-based estimates. Beginning in 2002, exact benchmarking was introduced as described in Section A.6.¹⁰ Tables of estimated numbers of persons associated with each measure (in thousands) are available on the Web (see <http://www.samhsa.gov/data/NSDUH/2k10State/NSDUHsae2010/Index.aspx>). An explanation of how these counts and their respective Bayesian confidence intervals¹¹ are calculated can be found in Section A.7. The definition and explanation of the formula used in estimating the marijuana incidence rate is given in Section A.8.

For all measures except major depressive episode (i.e., depression), serious mental illness, any mental illness, and past year serious thoughts of suicide, the age groups for which estimates are provided in this report are 12 to 17, 18 to 25, and 26 or older. Estimates for those aged 12 or older also are provided in this report. Because it was determined that States may find estimates for persons aged 18 or older useful, estimates for that age group are available on the

¹⁰ The census region-level estimates in the tables are population-weighted aggregates of the State estimates. The national estimates, however, are benchmarked to exactly match the design-based estimates.

¹¹ Note that in NSDUH State reports prior to 2009, the term "prediction interval" (PI) was used to represent uncertainty in the State and regional estimates. However, that term also is used in other applications to estimate future values of a parameter of interest. That interpretation does not apply to NSDUH State report estimates; thus, "prediction interval" was dropped and replaced with "Bayesian confidence interval."

Web (see <http://www.samhsa.gov/data/NSDUH/2k10State/NSDUHsae2010/Index.aspx>). Also included in this report are estimates of underage (aged 12 to 20) alcohol use and binge alcohol use. Alcohol consumption is expected to differ significantly across the 18 to 25 age group because of the legalization of alcohol at age 21. Therefore, it was decided that it would be useful to produce small area estimates for persons aged 12 to 20. A short description of the methodology used to produce underage drinking estimates is provided in Section A.9.

Section A.10 discusses the criteria used to define illicit drug and alcohol dependence and abuse and needing but not receiving treatment. Section A.11 discusses the production of estimates for major depressive episode (i.e., depression), serious mental illness, any mental illness, and suicidal thoughts. Note that for major depressive episode, there are no 12 or older estimates published; also, for serious mental illness, any mental illness, and serious thoughts of suicide, no 12 to 17 estimates are produced because youths are not asked these questions. Section A.12 discusses the method to compare prevalence rates of a particular measure between two States. The methodology used to compare the 2008-2009 and the 2009-2010 State estimates is described in Section A.13.

At the end of this appendix, tables showing the 2008, 2009, 2010, pooled 2008-2009, and pooled 2009-2010 survey sample sizes, population estimates, and response rates are included (Tables A.1 to A.14). Table A.15 lists all measures and the years for which small area estimates were produced going back to the 2002 NSDUH.

A.1 General Model Description

The model can be characterized as a complex mixed¹² model (including both fixed and random effects) of the following form:

$$\log[\pi_{aijk} / (1 - \pi_{aijk})] = x'_{aijk} \beta_a + \eta_{ai} + \nu_{aij},$$

where π_{aijk} is the probability of engaging in the behavior of interest (e.g., using marijuana in the past month) for person- k belonging to age group- a in grouped State sampling region (SSR)- j of State- i .¹³ Let x_{aijk} denote a $p_a \times 1$ vector of auxiliary (predictor) variables associated with age group- a (12 to 17, 18 to 25, 26 to 34, and 35 or older) and β_a denote the associated vector of regression parameters. The age group-specific vectors of auxiliary variables are defined for every block group in the Nation and also include person-level demographic variables, such as

¹²The use of mixed models (fixed and random effects) allows additional error components (random effects) to be included. These account for differences between States and within-State variations that are not taken into account by the predictor variables (fixed effects) alone. These models produce estimates that are approximately represented by a weighted combination of the direct estimate from the State data and a regression estimate from the national model, where the weights are obtained by minimizing the mean squared error of the small area estimate. It is also difficult if not impossible to produce valid mean squared errors for small area estimates based solely on a fixed-effect national regression model.

¹³ To increase the precision of estimated random effects at the within-State level, three SSRs were grouped together. Each of the 8 large sample States consists of 16 grouped SSRs, and the rest of the States and the District of Columbia each has 4 grouped SSRs.

race/ethnicity and gender. The vectors of State-level random effects $\eta_i = (\eta_{1i}, \dots, \eta_{Ai})'$ and grouped SSR-level random effects $v_{ij} = (v_{1ij}, \dots, v_{Aij})'$ are assumed to be mutually independent with $\eta_i \sim N_A(0, D_\eta)$ and $v_{ij} \sim N_A(0, D_V)$, where A is the total number of individual age groups modeled (generally, $A = 4$). For hierarchical Bayes (HB) estimation purposes, an improper uniform prior distribution is assumed for β_a , and proper Wishart prior distributions are assumed for D_η^{-1} and D_V^{-1} . The HB solution for π_{aijk} involves a series of complex Markov Chain Monte Carlo (MCMC) steps to generate values of the desired fixed and random effects from the underlying joint posterior distribution. The basic process is described in Folsom et al. (1999), Shah, Barnwell, Folsom, and Vaish (2000), and Wright (2003a, 2003b).

Once the required number of MCMC samples for the parameters of interest are generated and tested for convergence properties (see Raftery & Lewis, 1992), the small area estimates for each age group \times race/ethnicity \times gender cell within a block group can be obtained. These block group-level small area estimates then can be aggregated using the appropriate population count projections to form State-level small area estimates for the desired age group(s). These State-level small area estimates are benchmarked to the national design-based estimates as described in Section A.6.

A.2 Variables Modeled

The 2010 NSDUH data were pooled with the 2009 NSDUH data, and age group-specific State prevalence estimates for 25 binary (0, 1) measures were produced and presented in this report in Appendix B. Estimates were produced for the following outcomes:

1. past month use of illicit drugs,
2. past year use of marijuana,
3. past month use of marijuana,
4. perception of great risk of smoking marijuana once a month,
5. average annual rate of first use of marijuana,
6. past month use of illicit drugs other than marijuana,
7. past year use of cocaine,
8. past year nonmedical use of pain relievers,
9. past month use of alcohol,
10. past month binge alcohol use,

11. perception of great risk of having five or more drinks of an alcoholic beverage once or twice a week,
12. past month use of tobacco products,
13. past month use of cigarettes,
14. perception of great risk of smoking one or more packs of cigarettes per day,
15. past year alcohol dependence or abuse,
16. past year alcohol dependence,
17. past year illicit drug dependence or abuse,
18. past year illicit drug dependence,
19. past year dependence or abuse of illicit drugs or alcohol,
20. needing but not receiving treatment for illicit drug use in the past year,
21. needing but not receiving treatment for alcohol use in the past year,
22. serious mental illness in the past year,
23. any mental illness in the past year,
24. serious thoughts of suicide in the past year, and
25. past year major depressive episode (i.e., depression).

Comparisons between the 2008-2009 and the 2009-2010 State estimates were produced for all of these measures and are included in this report in Appendix C.

A.3 Predictors Used in Mixed Logistic Regression Models

Local area data used as potential predictor variables in the mixed logistic regression models were obtained from several sources, including Claritas Inc., the U.S. Census Bureau, the Federal Bureau of Investigation (FBI) (Uniform Crime Reports), Health Resources and Services Administration (Area Resource File), the Bureau of Labor Statistics, the Bureau of Economic Analysis, the Substance Abuse and Mental Health Services Administration (SAMHSA) (National Survey of Substance Abuse Treatment Services [N-SSATS]), and the National Center for Health Statistics (mortality data). The values of these predictor variables are updated every year (when possible). Sources and potential data items used in the modeling are provided in the following text and lists.

- *Claritas*. This demographic data package contains data for 2008 with projections to 2012. The population projections are used to update these predictor variables each year. The 2009 and 2010 projections were used for producing the 2009-2010 State estimates presented in this report. For more information on these data, see Section A.4.
- *U.S. Census Bureau*. The 2000 census (demographic and socioeconomic variables) and 2008 food stamp participation rates were used (<http://www.census.gov/hhes/www/saife/inputdata/cntyfs.xls>). The Census Bureau's small area income and poverty estimates division obtains Food Stamp Program (now known as the Supplemental Nutrition Assistance Program [SNAP]) participation rates from the U.S. Department of Agriculture, Food and Nutrition Service.
- *Federal Bureau of Investigation*. Uniform Crime Report (UCR) arrest totals were obtained from <http://www.icpsr.umich.edu/icpsrweb/NACJD/archive.jsp>. The most current data used are from 2008 for most counties, with previous years' data substituted in a few cases.
- *Health Resources and Services Administration*. Families below the Federal poverty-level rates from the 2000 census data were obtained from the Area Resource File (ARF) February 2005 release from the Bureau of Health Professions, Office of Research and Planning.
- *Bureau of Labor Statistics (BLS)*. The 2010 county-level unemployment rates were used (<http://www.bls.gov/lau/#cntyaa>). The BLS uses results from the Current Population Survey (CPS) to provide county-level unemployment rates. The CPS is a monthly survey of households conducted by the Census Bureau for the BLS.
- *Bureau of Economic Analysis (BEA)*. The 2009 county-level per capita income rates were used (<http://www.bea.gov/regional/index.htm>). These county-level per capita income rates are produced by the Regional Income Division of the BEA.
- *National Center for Health Statistics*. Mortality data using International Classification of Diseases, 10th revision (ICD-10), 2002-2007, were used. The ICD-10 death rate data are from the National Center for Health Statistics at the Centers for Disease Control and Prevention. These same data were used in the production of the 2008-2009 small area estimates (i.e., no updated death rate data were available in time for this 2009-2010 report).
- *SAMHSA, Center for Behavioral Health Statistics and Quality (CBHSQ), formerly the Office of Applied Studies (OAS)*. Data from the National Survey of Substance Abuse Treatment Services (N-SSATS), formerly known as the Uniform Facility Data Set (UFDS), were used. The 2009-2010 data on drug and alcohol treatment rates were obtained.

The following lists provide the specific independent variables that were potential predictors in the models.

Claritas Data (Description)	Claritas Data (Level)
% Population Aged 0 to 19 in Block Group	Block Group
% Population Aged 20 to 24 in Block Group	Block Group
% Population Aged 25 to 34 in Block Group	Block Group
% Population Aged 35 to 44 in Block Group	Block Group

Claritas Data (Description)	Claritas Data (Level)
% Population Aged 45 to 54 in Block Group	Block Group
% Population Aged 55 to 64 in Block Group	Block Group
% Population Aged 65 or Older in Block Group	Block Group
% Non-Hispanic Blacks in Block Group	Block Group
% Hispanics in Block Group	Block Group
% Non-Hispanic Other Races in Block Group	Block Group
% Non-Hispanic Whites in Block Group	Block Group
% Males in Block Group	Block Group
% Females in Block Group	Block Group
% American Indians, Eskimos, Aleuts in Tract	Tract
% Asians, Pacific Islanders in Tract	Tract
% Population Aged 0 to 19 in Tract	Tract
% Population Aged 20 to 24 in Tract	Tract
% Population Aged 25 to 34 in Tract	Tract
% Population Aged 35 to 44 in Tract	Tract
% Population Aged 45 to 54 in Tract	Tract
% Population Aged 55 to 64 in Tract	Tract
% Population Aged 65 or Older in Tract	Tract
% Non-Hispanic Blacks in Tract	Tract
% Hispanics in Tract	Tract
% Non-Hispanic Other Races in Tract	Tract
% Non-Hispanic Whites in Tract	Tract
% Males in Tract	Tract
% Females in Tract	Tract
% Population Aged 0 to 19 in County	County
% Population Aged 20 to 24 in County	County
% Population Aged 25 to 34 in County	County
% Population Aged 35 to 44 in County	County
% Population Aged 45 to 54 in County	County
% Population Aged 55 to 64 in County	County
% Population Aged 65 or Older in County	County
% Non-Hispanic Blacks in County	County
% Hispanics in County	County
% Non-Hispanic Other Races in County	County
% Non-Hispanic Whites in County	County
% Males in County	County
% Females in County	County

2000 Census Data (Description)	2000 Census Data (Level)
% Population Who Dropped Out of High School	Tract
% Housing Units Built in 1940 to 1949	Tract
% Persons Aged 16 to 64 with a Work Disability	Tract
% Hispanics Who Are Cuban	Tract
% Females 16 Years or Older in Labor Force	Tract
% Females Never Married	Tract

2000 Census Data (Description)	2000 Census Data (Level)
% Females Separated, Divorced, Widowed, or Other	Tract
% One-Person Households	Tract
% Female Heads of Household, No Spouse, Child under 18	Tract
% Males 16 Years or Older in Labor Force	Tract
% Males Never Married	Tract
% Males Separated, Divorced, Widowed, or Other	Tract
% Housing Units Built in 1939 or Earlier	Tract
Average Persons per Room	Tract
% Families below Poverty Level	Tract
% Households with Public Assistance Income	Tract
% Housing Units Rented	Tract
% Population with 9 to 12 Years of School, No High School Diploma	Tract
% Population with 0 to 8 Years of School	Tract
% Population with Associate's Degree	Tract
% Population with Some College and No Degree	Tract
% Population with Bachelor's, Graduate, Professional Degree	Tract
Median Rents for Rental Units	Tract
Median Value of Owner-Occupied Housing Units	Tract
Median Household Income	Tract

Uniform Crime Report Data (Description)	Uniform Crime Report Data (Level)
Drug Possession Arrest Rate	County
Drug Sale or Manufacture Arrest Rate	County
Drug Violations' Arrest Rate	County
Marijuana Possession Arrest Rate	County
Marijuana Sale or Manufacture Arrest Rate	County
Opium or Cocaine Possession Arrest Rate	County
Opium or Cocaine Sale or Manufacture Arrest Rate	County
Other Drug Possession Arrest Rate	County
Other Dangerous Non-Narcotics Arrest Rate	County
Serious Crime Arrest Rate	County
Violent Crime Arrest Rate	County
Driving under Influence Arrest Rate	County

Other Categorical Data (Description)	Other Categorical Data (Source)	Other Categorical Data (Level)
= 1 if Hispanic, = 0 Otherwise	NSDUH Sample	Person
= 1 if Non-Hispanic Black, = 0 Otherwise	NSDUH Sample	Person
= 1 if Non-Hispanic Other, = 0 Otherwise	NSDUH Sample	Person
= 1 if Male, = 0 if Female	NSDUH Sample	Person
= 1 if MSA with ≥ 1 Million, = 0 Otherwise	2000 Census	County
= 1 if MSA with < 1 Million, = 0 Otherwise	2000 Census	County
= 1 if Non-MSA Urban, = 0 Otherwise	2000 Census	Tract

<i>Other Categorical Data (Description)</i>	<i>Other Categorical Data (Source)</i>	<i>Other Categorical Data (Level)</i>
= 1 if Urban Area, = 0 if Rural Area	2000 Census	Tract
= 1 if No Cubans in Tract, = 0 Otherwise	2000 Census	Tract
= 1 if No Arrests for Dangerous Non-Narcotics, = 0 Otherwise	UCR	County

<i>Miscellaneous Data (Description)</i>	<i>Miscellaneous Data (Source)</i>	<i>Miscellaneous Data (Level)</i>
Alcohol Death Rate, Underlying Cause	NCHS-ICD-10	County
Cigarette Death Rate, Underlying Cause	NCHS-ICD-10	County
Drug Death Rate, Underlying Cause	NCHS-ICD-10	County
Alcohol Treatment Rate	N-SSATS (Formerly Called UFDS)	County
Alcohol and Drug Treatment Rate	N-SSATS (Formerly Called UFDS)	County
Drug Treatment Rate	N-SSATS (Formerly Called UFDS)	County
% Families below Poverty Level	ARF	County
Unemployment Rate	BLS	County
Per Capita Income (in Thousands)	BEA	County
Average Suicide Rate (per 10,000)	NCHS-ICD-10	County
Food Stamp Participation Rate	Census Bureau	County
Single State Agency Maintenance of Effort	National Association of State Alcohol and Drug Abuse Directors (NASADAD)	State
Block Grant Awards	SAMHSA	State
Cost of Services Factor Index	SAMHSA	State
Total Taxable Resources per Capita Index	U.S. Department of Treasury	State

A.4 Updated Claritas Data

For the State and substate reports published using the 2002 to 2007 NSDUH data, Claritas data obtained in 2002 were used to produce the small area estimates. In reports published using the 2008, 2009, and 2010 NSDUH data, Claritas data obtained in 2008 were used. The 2002 Claritas data had 2000 and 2002 population counts, as well as 2007 population projections. The 2008 Claritas data had 2008 population counts, as well as 2012 population projections. Claritas data were used for the following in the NSDUH SAE process:

1. Creating demographic predictor variables (age group, race \times ethnicity, and gender) at the block group, tract, and county levels (predictors such as percentage of the population aged 0 to 19 in a block group, percentage of population who are males in a tract). There are 13 such variables defined for each of the census geographies (block group, tract, and county). See Section A.3 for a complete list of these predictors.

2. Creating census block group-level population projections at the age group \times race/ethnicity \times gender level (4 age groups, 4 races/ethnicities, and 2 genders = 32 cells) that are used in aggregating the block group-level small area estimates to produce State and census region-level small area estimates.¹⁴
 - a. In the 2008 SAE process (and subsequent years), new Claritas data with 2008 population counts and 2012 population projections were used. The new Claritas data will be henceforth referred to as the 2008-2012 Claritas data, and the 2002 Claritas data will be referred to as the 2002-2007 Claritas data. After exploring the 2008-2012 Claritas data and comparing them with the 2002-2007 Claritas data, some differences were observed when comparing the 2007 population counts (from the 2002-2007 Claritas data) with the 2008 population counts (from the 2008-2012 Claritas data). For example, the distributions of the population aged 20 to 24 in block groups were very different for the two datasets. Another difference was that there were more block groups that had a 0 population count for some of the 32 cells in 2008 as compared with the 32 cells in 2007.
 - b. The format of the race/ethnicity data was also different for the two sets of Claritas data. To generate age group \times race \times Hispanicity \times gender population counts at the block group level using the 2002-2007 Claritas data, two separate population distributions (age \times gender \times race and race \times Hispanicity) at the block group level had to be used. The assumption was made that each of the age \times gender cells within a race group had the same Hispanicity distribution. So, the data were manipulated to get the desired four-way cross of demographic domains. The 2008-2012 Claritas data had age group \times race \times Hispanicity \times gender population distributions, so no assumptions or manipulations to the data had to be made.
3. In State reports prior to 2008 when creating the 32 cells using the 2002-2007 Claritas data, the population from the two or more races category was distributed among the black, white, and other race categories. Starting in 2008 and subsequent years, a decision was made to merge the two or more races category with the other race category. This was based on a decision to discontinue creating a NSDUH sample variable that split the two or more races' respondents into black, white, or other. Because NSDUH respondents with two or more races were now being grouped into the other category, the same technique was used to produce the 32 cell counts.

Some of the data differences can be attributed to reasons (2b) and (3), and the rest are most likely attributed to the fact that the 2008-2012 Claritas projections are based on updated population information. Because of these differences in the 2007 population projections based on 2002-2007 Claritas data and the 2008 population counts based on 2008-2012 Claritas data, it was decided that "new" 2007 population projections would be obtained by "projecting back" the 2008-2012 Claritas data. Population projections for 2006 also were obtained in the same manner, so that they could be used in the 2006-2008 SAE reports.

¹⁴ The four age groups are 12 to 17, 18 to 25, 26 to 34, and 35 or older; the four race/ethnicity groups are non-Hispanic white, non-Hispanic black, non-Hispanic other, and Hispanic; and the two genders are male and female.

Based on the information above, the following steps were taken for the 2009-2010 SAE process (for more information on the steps taken for the 2007-2008 and 2008-2009 SAE processes, see Appendix A of Hughes et al., 2010, and Appendix A of Hughes et al., 2011, respectively):

1. Using the 2008-2012 Claritas data, 2009 and 2010 population counts were obtained (the 2009 and 2010 counts were obtained by using linear interpolation between the 2008 and 2012 counts) and used to create the predictors that were merged onto the 2009 and 2010 sample and universe files (the universe file is a census block-group level file containing SAE predictor variables and population counts).
2. All block group, tract, and county-level continuous predictors were converted into 10-category, semicontinuous variables by using the corresponding 2007-2008 decile values created by pooling the 2007 and 2008 NSDUH data. The same 2007-2008 decile values will be used for future SAE analyses until new Claritas data containing the 2013 population counts and projections are obtained. Using the same decile values year after year makes it possible to keep track of any temporal changes occurring in the predictor variables, which may help in detecting any changes in State prevalence rates across years in an efficient manner. The 10-category predictor variables subsequently were used to form linear, quadratic, and cubic orthogonal polynomials eventually used in the SAE modeling process. For all predictors other than the unemployment rate, the same 2007-2008 decile values were used in the 2009-2010 SAE process. Because of the recent large jumps in the unemployment rate, the decile values for the unemployment rate needed to be recreated using the 2009 and 2010 NSDUH data. Using the older set of decile values resulted in the distribution of the unemployment deciles to be very skewed. Hence, a decision was made to update the unemployment rate deciles based on 2009 and 2010 data. The predictor based on the unemployment deciles was used in the SAE model for the 35 or older age group for producing the small area estimates for the measure on needing but not receiving treatment for illicit drug use. Using this updated data is not expected to cause any inconsistencies in the estimation of trends for this measure.
3. The updated population counts for the 32 cells (age group \times race/ethnicity \times gender population counts) were used to create the universe files for both years (i.e., 2009 and 2010).
4. The 2008 sample and universe files based on the 2008-2012 Claritas data were used in simultaneous modeling (see Section A.13) to produce the correlations required to estimate change between the 2008-2009 and 2009-2010 State prevalence rates.
5. The 2002-2007 Claritas projections were used on the 2002-2003 sample and universe files, whereas the 2008-2012 Claritas projections were used on the 2009-2010 sample and universe files to produce the 2002-2003 versus 2009-2010 comparisons that will be available at <http://www.samhsa.gov/data/NSDUH/2k10State/NSDUHsae2010/Index.aspx>.

A.5 Selection of Independent Variables for the Models

No new variable selection was done for any measure in 2009-2010. The updated versions of fixed-effect predictors that were used in modeling the 2008-2009 data were used to model the 2009-2010 data. Because the interest was to estimate change between the 2008-2009 and 2009-2010 State estimates, the same set of fixed-effect predictors was used for producing both sets of estimates.

A.6 Benchmarking the Age Group-Specific Small Area Estimates

The self-calibration built into the SWHB solution ensures that the population-weighted average of the State small area estimates will closely match the national design-based estimates. The national design-based estimates in NSDUH are based entirely on survey-weighted data using a direct estimation approach, whereas the State and census region estimates in this report are model-based. Given the self-calibration ensured by the SWHB solution, for State reports prior to 2002, the standard Bayes prescription was followed; specifically, the posterior mean was used for the point estimate, and the tail percentiles of the posterior distribution were used for the Bayesian confidence interval limits.

Singh and Folsom (2001) extended Ghosh's (1992) results on constrained Bayes estimation to include exact benchmarking to design-based national estimates. In the simplest version of this constrained Bayes solution where only the design-based mean is imposed as a benchmarking constraint, each of the 2009-2010 State-by-age group small area estimates is adjusted by adding the common factor $\Delta_a = (D_a - P_a)$, where D_a is the design-based national prevalence estimate and P_a is the population-weighted mean of the State small area estimates (P_{sa}) for age group- a . The exactly benchmarked State- s and age group- a small area estimates then are given by $\theta_{sa} = P_{sa} + \Delta_a$. Experience with such additive adjustments suggests that the resulting exactly benchmarked State small area estimates will always be between 0 and 100 percent because the SWHB self-calibration ensures that the adjustment factor is small relative to the size of the State-level small area estimates.

Relative to the Bayes posterior mean, these benchmark-constrained State small area estimates are biased by the common additive adjustment factor. Therefore, the posterior mean-squared error for each benchmarked State small area estimate has the square of this adjustment factor added to its posterior variance. To achieve the desirable feature of exact benchmarking, this constrained Bayes adjustment factor was implemented for the State-by-age group small area estimates. The associated Bayesian confidence (credible) intervals can be recentered at the benchmarked small area estimates on the logit scale with the symmetric interval end points based on the posterior root mean-squared errors. The adjusted 95 percent Bayesian confidence intervals ($Lower_{sa}$, $Upper_{sa}$) are defined below:

$$Lower_{sa} = \exp(L_{sa}) / [1 + \exp(L_{sa})] \text{ and } Upper_{sa} = \exp(U_{sa}) / [1 + \exp(U_{sa})],$$

where

$$L_{sa} = \ln[\theta_{sa} / (1 - \theta_{sa})] - 1.96 * \sqrt{MSE_{sa}},$$

$$U_{sa} = \ln[\theta_{sa} / (1 - \theta_{sa})] + 1.96 * \sqrt{MSE_{sa}}, \text{ and}$$

$$MSE_{sa} = (\ln[P_{sa} / (1 - P_{sa})] - \ln[\theta_{sa} / (1 - \theta_{sa})])^2 + \text{posterior variance of } \ln[P_{sa} / (1 - P_{sa})].$$

The associated posterior coverage probabilities for these benchmarked intervals are very close to the prescribed 0.95 value because the State small area estimates have posterior distributions that can be approximated exceptionally well by a Gaussian distribution.

A.7 Calculation of Estimated Number of Persons Associated with Each Outcome

Tables 1 to 26, available at <http://www.samhsa.gov/data/NSDUH/2k10State/NSDUHsae2010/Index.aspx>, show the estimated numbers of persons (in thousands) associated with each of the 25 outcomes of interest. To calculate these estimated numbers of persons, the benchmarked small area estimates and the associated 95 percent Bayesian confidence intervals are multiplied by the average population across the 2 years (in this case, 2009 and 2010) of the State by age group of interest.

For example, past month use of alcohol among 18 to 25 year olds in Alabama was 52.31 percent (see [Table B.9](#) in Appendix B). The corresponding Bayesian confidence intervals ranged from 48.01 to 56.57 percent. The population count for 18 to 25 year olds averaged across 2009-2010 in Alabama was 515,510 (see [Table A.10](#)). Hence, the estimated number of 18 to 25 year olds using alcohol in the past month in Alabama was $0.5231 * 515,510$, which is 269,663 (see [Table 9](#)). The associated Bayesian confidence intervals ranged from $0.4801 * 515,510$ (i.e., 247,496) to $0.5657 * 515,510$ (i.e., 291,624). Note that when estimates of the number of persons are calculated for Tables 1 to 26, the unrounded prevalence estimates and population counts are used, then the numbers are reported to the nearest thousand. Hence, the number obtained by multiplying the published prevalence rate with the published population estimate may not exactly match the counts that are published in these tables due to rounding differences.

A.8 Calculation of Average Annual Incidence of Marijuana Use

Incidence rates typically are calculated as the number of new initiates of a substance during a period of time (such as in the past year) divided by an estimate of the number of person-years of exposure (in thousands). The incidence definition used in this report employs a simpler form of the at-risk population based on the model-based methodology. This model-based average annual incidence rate is defined as follows:

$$\text{Average annual rate} = 100 * \{ [X_1 \div (0.5 * X_1 + X_2)] \div 2 \},$$

where X_1 is the number of marijuana initiates in the past 24 months and X_2 is the number of persons who never used marijuana.

In this report, the incidence rate is expressed as a percentage or rate per 100 person-years of exposure. Note that this estimate uses a 2-year time period to accumulate incidence cases from each annual survey. By assuming further that the distribution of first use for the incidence cases is uniform across the 2-year interval, the total number of person-years of exposure is 1 year on average for the incidence cases plus 2 years for all the "never users" at the end of the time period. This approximation to the person-years of exposure permits one to recast the incidence rate as a function of two population prevalence rates, namely, the fraction of persons who first used marijuana in the past 2 years and the fraction who had never used marijuana. Both of these prevalence estimates were estimated using the SWHB estimation approach.

The count of persons who first used marijuana in the past 2 years is based on a "moving" 2-year period that ranges over 3 calendar years. Subjects were asked when they first used marijuana. If a person indicated first use of marijuana between the day of the interview and 2 years prior, the person was included in the count. Thus, it is possible for a person interviewed in the first part of 2010 to indicate first use as early as the first part of 2008 or as late as the first part of 2010. Similarly, a subject interviewed in the last part of 2010 could indicate first use as early as the last part of 2008 or as late as the last part of 2010. Therefore, in the 2010 survey, the reported period of first use ranged from early 2008 to late 2010 and was "centered" in 2009. For example, about half of the 12 to 17 year olds who reported first use in the past 24 months reported first use in 2009, while a quarter each reported first use in 2008 and 2010. Persons who responded in 2010 that they had never used marijuana were included in the count of "never used." Similarly, reports of first use in the past 24 months from the 2009 survey ranged from early 2007 to late 2009 and were centered in 2008. Half of the 12 to 17 year olds who reported first use in the past 24 months reported first use in 2008, while a quarter each reported first use in 2007 and 2009. Note that only incidence rates for marijuana use are provided in this report.

A.9 Underage Drinking

To obtain small area estimates for persons aged 12 to 20 for past month alcohol and binge alcohol use, a separate set of models was fit for these two outcomes for the 12 to 17 age group and the 18 to 20 age group. For the 2009-2010 models, no new variable selection was done. Updated versions of the predictors were used to produce the small area estimates.

Model-based estimates for persons aged 12 to 20 were produced by taking the population-weighted average of the individual age group (12 to 17 and 18 to 20) estimates. Estimates for underage drinking for past month alcohol and binge alcohol use were benchmarked to match national design-based estimates for that age group using the process described in Section A.6. Comparisons between the 2008-2009 and the 2009-2010 small area estimates for underage drinking in the States also are presented in this report.

A.10 Illicit Drug and Alcohol Dependence or Abuse / Needing But Not Receiving Treatment

The NSDUH computer-assisted interviewing (CAI) instrumentation includes questions that are designed to measure illicit drug and alcohol dependence and abuse. For these

substances,¹⁵ dependence and abuse questions were based on the criteria in the *Diagnostic and Statistical Manual of Mental Disorders*, 4th edition (DSM-IV) (American Psychiatric Association [APA], 1994).

Specifically, for marijuana, hallucinogens, inhalants, and tranquilizers, a respondent was defined as having dependence if he or she met three or more of the following six dependence criteria:

1. Spent a great deal of time over a period of a month getting, using, or getting over the effects of the substance.
2. Used the substance more often than intended or was unable to keep set limits on the substance use.
3. Needed to use the substance more than before to get desired effects or noticed that the same amount of substance use had less effect than before.
4. Inability to cut down or stop using the substance every time tried or wanted to.
5. Continued to use the substance even though it was causing problems with emotions, nerves, mental health, or physical problems.
6. The substance use reduced or eliminated involvement or participation in important activities.

For alcohol, cocaine, heroin, pain relievers, sedatives, and stimulants, a seventh withdrawal criterion was added. A respondent was defined as having dependence if he or she met three or more of seven dependence criteria. The seventh withdrawal criterion is defined by a respondent reporting having experienced a certain number of withdrawal symptoms that vary by substance (e.g., having trouble sleeping, cramps, hands tremble).

For each illicit drug and alcohol, a respondent was defined as having abused that substance if he or she met one or more of the following four abuse criteria and was determined not to be dependent on the respective substance in the past year:

1. Serious problems at home, work, or school caused by the substance, such as neglecting your children, missing work or school, doing a poor job at work or school, or losing a job or dropping out of school.
2. Used the substance regularly and then did something that might have put you in physical danger.
3. Use of the substance caused you to do things that repeatedly got you in trouble with the law.

¹⁵ Substances include alcohol, marijuana, cocaine, heroin, hallucinogens, inhalants, pain relievers, tranquilizers, stimulants, and sedatives.

4. Had problems with family or friends that were probably caused by using the substance and continued to use the substance even though you thought the substance use caused these problems.

For additional details on how respondents were classified as having dependence or abuse of illicit drugs and alcohol, see Section B.4.2 in Appendix B of the 2010 NSDUH national findings report (CBHSQ, 2011, pp. 118-120).

Additionally, the NSDUH CAI instrument included a series of questions that are designed to measure treatment need for an alcohol or illicit drug use problem and to determine persons needing but not receiving treatment.

Respondents were classified as needing treatment for an alcohol use problem in the past year if they met at least one of three criteria during the past year: (1) dependence on alcohol; (2) abuse of alcohol; or (3) received treatment for alcohol use at a specialty facility (i.e., drug and alcohol rehabilitation facility [inpatient or outpatient], hospital [inpatient only], or mental health center). A respondent was classified as needing but not receiving treatment for an alcohol problem if he or she met the criteria for alcohol dependence or abuse in the past year, but did not receive treatment at a specialty facility for an alcohol problem in the past year.

Respondents were classified as needing treatment for an illicit drug use problem in the past year if they met at least one of three criteria during the past year: (1) dependence on illicit drugs; (2) abuse of illicit drugs; or (3) received treatment for illicit drug use at a specialty facility (i.e., drug and alcohol rehabilitation facility [inpatient or outpatient], hospital [inpatient only], or mental health center). A respondent was classified as needing but not receiving treatment for an illicit drug problem if he or she met the criteria for illicit drug dependence or abuse in the past year, but did not receive treatment at a specialty facility for an illicit drug problem in the past year.

A.11 Mental Health Measures

This section provides a summary of measurement issues associated with the four mental health outcome variables included in this report—serious mental illness, any mental illness, serious thoughts of suicide, and major depressive episode. Additional details can be found in Section B.4.7 of Appendix B in the 2008 NSDUH national findings report for major depressive episode (OAS, 2009) and in Sections B.4.2 to B.4.4 of Appendix B in the 2012 NSDUH mental health findings report for all four outcome variables (CBHSQ, in press).

A.11.1 Mental Illness

In the 2000-2001 and 2002-2003 NSDUH State reports, the Kessler-6 (K6) distress scale was used to measure serious mental illness (Kessler et al., 2003). However, SAMHSA discontinued producing State-level serious mental illness estimates beginning with the release of the 2003-2004 State report because of concerns about the validity of using only the K6 distress scale without an impairment scale; see Section B.4.4 of Appendix B in the 2004 NSDUH national findings report (OAS, 2005). The use of the K6 distress scale continued in the 2003-2004, 2004-2005, 2005-2006, and 2006-2007 State reports, not as a measure of serious mental

illness, but as a measure of serious psychological distress because it was determined that the K6 scale only measured serious psychological distress and only contributed to measuring serious mental illness (see details below).

In December 2006, a technical advisory group meeting of expert consultants was convened by SAMHSA's Center for Mental Health Services to solicit recommendations for mental health surveillance data collection strategies among the U.S. population. The panel recommended that NSDUH should be used to produce estimates of serious mental illness among adults using NSDUH's mental health measures and a gold-standard clinical psychiatric interview.

In response, SAMHSA's CBHSQ initiated in 2008 a Mental Health Surveillance Study (MHSS) under its NSDUH contract with RTI International to develop and implement methods to estimate serious mental illness. Based on recommendations from this panel, estimates of serious mental illness presented in this report for 2009 and 2010 are based on this revised methodology and, thus, are not comparable with estimates for serious mental illness or serious psychological distress shown in NSDUH State reports prior to 2009. They are, however, comparable with the 2008-2009 serious mental illness estimates; hence, comparisons between those estimates are provided in this report.

To develop methods for preparing the estimates of serious mental illness and any mental illness presented in this and other NSDUH reports, the MHSS was initiated as part of the 2008 NSDUH design and analysis. Because of constraints on the interview time in NSDUH and the need for trained mental health clinicians, it was not possible to administer a full structured diagnostic clinical interview to assess mental illness on approximately 45,000 adult respondents; therefore, the approach adopted by SAMHSA was to utilize short scales separately measuring psychological distress (K6) and functional impairment that could be used in a statistical model to accurately predict whether a respondent had a mental illness. Two impairment scales—the World Health Organization Disability Assessment Schedule (WHODAS) and the Sheehan Disability Scale (SDS)—were included in the 2008 survey for evaluation. The collection of clinical psychiatric interview data was achieved using a subsample of approximately 1,500 adult NSDUH participants in 2008. These participants were recruited for a follow-up clinical interview consisting of a gold-standard diagnostic assessment for mental disorders and functional impairment. In order to determine the optimal scale to measure functional impairment, a split-sample design was incorporated into the full 2008 NSDUH data collection in which half of the adult respondents received the WHODAS and half received the SDS. The 2008 statistical models (subsequently referred to as the "2008 model") using the data from the subsample of respondents collected as part of the MHSS then were developed for each half sample in which the short scales (the K6 in combination with the WHODAS or the K6 in combination with the SDS) were used as predictors in models of mental illness assessed via the clinical interviews. The model parameter estimates then were used to predict serious mental illness in the full 2008 NSDUH sample. Serious mental illness probabilities and predicted values (as well as any mental illness values) were computed for respondents in the NSDUH sample from 2008 to 2010 using model parameter estimates from the 2008 sample.

In 2010, SAMHSA begin preliminary investigations to assess whether improvements to the model were warranted using all of the clinical data that been collected since 2008. In 2011 and 2012, the clinical sample was augmented to include 1,500 respondents per year, leading to a

combined sample of approximately 5,000 clinical interviews for 2008 to 2012. SAMHSA determined that the 2008 model has some important shortcomings that had not been detected in the original model fitting because of the small number of respondents in the 2008 clinical subsample. Specifically, the 2008 model substantially overestimated serious mental illness and any mental illness among young adults relative to the clinical interview data. In addition, improvements were needed in the weighting procedures for the MHSS sample data to account better for nonresponse and undercoverage. Therefore, SAMHSA decided to modify the model for the 2012 estimates using the combined 2008-2012 clinical data (subsequently referred to as the "2012 model"). To reduce bias and improve prediction, additional mental health-related variables and an age variable were added in the 2012 model. To provide consistent data for trend assessment, State mental illness estimates for 2008-2009 to 2010-2011 were also recomputed using the new 2012 model (including the 2008-2009 and 2009-2010 small area estimates shown in this report). Note that tables or maps showing estimates of serious mental illness and any mental illness based on these 2012 models include "Revised October 2013" in the source line. The next subsection describes the instruments and items used to measure the variables employed in the 2012 model. Specifically, the instrument used to measure mental illness in the clinical interviews is described, followed by descriptions of the scales and items in the main NSDUH interviews that were used as predictor variables in the model (e.g., the K6 and WHODAS total scores, age, and suicidal thoughts).¹⁶

MHSS Clinical Interviews

As described previously, a subsample of NSDUH participants completed follow-up clinical interviews to provide data for the statistical modeling of the NSDUH interview data of psychological distress and functional impairment on mental health status. The MHSS sample respondents were administered clinical interviews within 4 weeks of the NSDUH main interview to assess the presence of mental disorders and functional impairment. Specifically, each participant was assessed by a trained clinical interviewer (master's or doctoral-level clinician, counselor, or social worker) via paper-and-pencil interviewing (PAPI) over the telephone. The clinical interview used was an adapted version of the Structured Clinical Interview for DSM-IV-TR Axis I Disorders, Research Version, Non-patient Edition (SCID-I/NP) (First, Spitzer, Gibbon, & Williams, 2002). Past year disorders that were assessed through the SCID included mood disorders (e.g., major depressive episode, manic episode), anxiety disorders (e.g., panic disorder, generalized anxiety disorder, posttraumatic stress disorder), eating disorders (e.g., anorexia nervosa), intermittent explosive disorder, and adjustment disorder. In addition, the presence of psychotic symptoms was assessed. Substance use disorders also were assessed, although these disorders were not included in the estimates of mental illness.

Functional impairment ratings were assigned by clinical interviewers using the Global Assessment of Functioning (GAF) scale (Endicott, Spitzer, Fleiss, & Cohen, 1976). Mental illness, measured using the SCID and differentiated by the level of functional impairment, was defined in the MHSS as follows:

¹⁶ Major depressive episode also was included in the 2012 model and is discussed in more detail in Section B.4.4 of Appendix B in the 2012 NSDUH mental health findings report (CBHSQ, in press).

- Respondents were defined as having *any mental illness* if they were determined to have any of the mental disorders assessed in the SCID (not including substance use disorders), regardless of the level of functional impairment.
- Respondents were defined as having *serious mental illness* if they had any of the mental disorders assessed in the SCID (not including substance use disorders), and these disorders resulted in substantial impairment in carrying out major life activities, based on GAF scores of 50 or below. The serious mental illness diagnosis was used as the response variable in both the 2008 and 2012 prediction models.

The SCID and the GAF in combination were considered to be the gold standard for measuring mental illness.

Kessler-6 Distress Scale

The K6 in the main NSDUH interview consists of two sets of six questions that asked adult respondents how frequently they experienced symptoms of psychological distress during two different time periods: (1) during the past 30 days, and (2) if applicable, the one month in the past year when they were at their worst emotionally. Respondents were asked about the second time period only if they indicated that there was a month in the past 12 months when they felt more depressed, anxious, or emotionally stressed than they felt during the past 30 days.

The six questions comprising the K6 scale for the past month are as follows:

NERVE30 During the past 30 days, how often did you feel nervous?

- 1 All of the time
 - 2 Most of the time
 - 3 Some of the time
 - 4 A little of the time
 - 5 None of the time
- Don't know/Refused

Response categories are the same for the remaining questions shown below.

HOPE30 During the past 30 days, how often did you feel hopeless?

FIDG30 During the past 30 days, how often did you feel restless or fidgety?

NOCHR30 During the past 30 days, how often did you feel so sad or depressed that nothing could cheer you up?

EFFORT30 During the past 30 days, how often did you feel that everything was an effort?

DOWN30 During the past 30 days, how often did you feel down on yourself, no good or worthless?

To create a score, the six items (NERVE30, HOPE30, FIDG30, NOCHR30, EFFORT30, and DOWN30) on the K6 scale were recoded from 0 to 4 so that "all of the time" was coded 4, "most of the time" 3, "some of the time" 2, "a little of the time" 1, and "none of the time" 0, with "don't know" and "refused" also coded as 0. Summing across the transformed responses in these six items resulted in a score with a range from 0 to 24.

If respondents were asked about a month in the past 12 months when they felt more depressed, anxious, or emotionally stressed than they felt during the past 30 days, they were asked comparable K6 items for that particular month in the past 12 months. The scoring procedures for these K6 items for the past 12 months were the same as those described above. The higher of the two K6 total scores for the past 30 days or past 12 months was used both for MHSS analysis purposes and in the adult respondents' final data.

An alternative K6 total score also was created in which K6 scores less than 8 were recoded as 0 and scores from 8 to 24 were recoded as 1 to 17. The rationale for creating the alternative past year K6 score was that serious mental illness prevalence was typically extremely low for respondents with past year K6 scores less than 8, and the prevalence rates started increasing only when scores were 8 or greater. This alternative K6 score was used in both the 2008 and 2012 SMI prediction models.

WHODAS

An initial step of the MHSS was to modify the WHODAS for use in a general population survey, including making minor changes to question wording and reducing its length (Novak, 2007). That is, a subset of 8 items was found to capture the information represented in the full 16-item scale with no significant loss of information.

These eight WHODAS items that were included in the main NSDUH interview were assessed on a 0 to 3 scale, with responses of "no difficulty," "don't know," and "refused" coded as 0; "mild difficulty" coded as 1; "moderate difficulty" coded as 2; and "severe difficulty" coded as 3. Some items had an additional category for respondents who did not engage in a particular activity (e.g., they did not leave the house on their own). Respondents who reported that they did not engage in an activity were asked a follow-up question to determine if they did not do so because of emotions, nerves, or mental health. Those who answered "yes" to this follow-up question were subsequently assigned to the "severe difficulty" category; otherwise (i.e., for responses of "no," "don't know," or "refused"), they were assigned to the "no difficulty" category. Summing across these codes for the eight responses resulted in a total score with a range from 0 to 24. More information about scoring of the WHODAS can be found in the 2011 NSDUH public use file codebook (CBHSQ, 2012a).

An **alternative WHODAS** total score was created in which individual WHODAS item scores of less than 2 were recoded as 0, and item scores of 2 to 3 were recoded as 1. The individual alternative item scores then were summed to yield a total alternative score ranging from 0 to 8. Creation of an alternative version of the WHODAS score was based on the assumption that a dichotomous measure dividing respondents into two groups (i.e., severely impaired vs. less severely impaired) might fit better than a linear continuous measure in models

predicting serious mental illness. This alternative WHODAS score was the variable used in both the 2008 and 2012 serious mental illness prediction models.

Suicidal Thoughts, Major Depressive Episode, and Age

In addition to the K6 and WHODAS scales, the 2012 model included the following measures as predictors of serious mental illness: (a) serious thoughts of suicide in the past year; (b) having a past year major depressive episode; and (c) age. The first two variables were added to the model to decrease the error rate in the predictions (i.e., the sum of the false-negative and false-positive rates relative to the clinical interview results). A recoded age variable reduced the biases in estimates for particular age groups, especially 18 to 25 year olds.

Since 2008, all adult respondents in NSDUH have been asked the following question: "At any time in the past 12 months, that is from [DATEFILL] up to and including today, did you seriously think about killing yourself?"¹⁷ Definitions for major depressive episode in the lifetime and past year periods are discussed in Section B.4.4 of Appendix B in the 2012 mental health findings report (CBHSQ, in press). For respondents aged 18 to 30, an adjusted age was created by subtracting 18 from the respondent's current age, resulting in values ranging from 0 to 12. For a respondent aged 18, for example, the adjusted age was 0 (i.e., 18 minus 18), and for a respondent aged 30, the adjusted age was 12 (i.e., 30 minus 18). For respondents aged 31 or older, the adjusted age was assigned a value of 12.

2012 SMI Model

Statistical modeling involved developing separate weighted logistic regression prediction models for the K6 and for each of the two impairment scales. With serious mental illness status based on having a SCID diagnosis plus a GAF less than or equal to 50, the response variable Y was defined so that

$Y = 1$ when a serious mental illness diagnosis is positive; otherwise, $Y = 0$.

If \mathbf{X} is a vector of explanatory variables, then the response probability $\pi = \Pr(Y = 1 | \mathbf{X})$ can be estimated using weighted logistic regression models for the WHODAS and SDS half samples. The final 2012 WHODAS calibration model was determined as follows:

$$\text{logit}(\hat{\pi}) = \log[\hat{\pi} / (1 - \hat{\pi})] = -5.972664 + 0.0873416X_k + 0.3385193X_w + 1.9552664X_s + 1.1267330 X_m + 0.1059137X_a \quad (1)$$

or

$$\hat{\pi} = \frac{1}{1 + \exp[-(-5.972664 + 0.0873416X_k + 0.3385193X_w + 1.9552664X_s + 1.1267330 X_m + 0.1059137X_a)]}$$

¹⁷ In the question about serious thoughts of suicide, [DATEFILL] refers to the date at the start of a respondent's 12-month reference period. The interview program sets the start of the 12-month reference period as the same month and day as the interview date but in the previous calendar year.

where $\hat{\pi}$ refers to an estimate of the serious mental illness response probability π for the WHODAS models. These covariates in equation (1) come from the main NSDUH interview data:

- $X_k = \text{Alternative Past Year K6 Score}$: Past year K6 score less than 8 recoded as 0; past year K6 score 8 to 24 recoded as 1 to 17.
- $X_w = \text{Alternative WHODAS Score}$: WHODAS item scores less than 2 recoded as 0; WHODAS item scores 2 to 3 recoded as 1, then summed for a score ranging from 0 to 8.
- $X_s = \text{Serious Thoughts of Suicide in the Past Year}$: Coded as 1 if "yes"; coded as 0 otherwise.
- $X_m = \text{Past Year MDE}$: Coded as 1 if criteria for past year MDE were met (see Section A.11.3); coded as 0 otherwise.
- $X_a = \text{Adjusted Age}$: Coded as age minus 18 if aged 18 to 30; coded as 12 otherwise.

As with the 2008 model, a cut point probability π_0 was determined, so that if $\hat{\pi} \geq \pi_0$ for a particular respondent, then he or she was *predicted* to be serious mental illness positive; otherwise, he or she was predicted to be serious mental illness negative. The cut point (0.260573529) was chosen so that the weighted number of false positives and false negatives in the MHSS dataset were as close to equal as possible. The predicted serious mental illness status for all adult NSDUH respondents was used to compute serious mental illness small area estimates. A second cut point probability (0.0192519810) was determined so that any respondent with a serious mental illness probability greater than or equal to the cut point was predicted to be positive for any mental illness, and the remainder were predicted to be negative for any mental illness. The second cut point was chosen so that the weighted numbers of any mental illness false positives and false negatives were as close to equal as possible.

Alternative 2012 Model for the SDS Half Sample

In 2008, approximately half of the respondents in the adult NSDUH sample were assigned to receive questions about impairment based on the WHODAS, and the other half were assigned to receive questions based on the SDS. As noted previously, the purpose of this split sample was to determine whether the SDS or WHODAS impairment scale was a better predictor of serious mental illness. The WHODAS scale was identified as the better predictor.

For the clinical interview respondents who had been administered the SDS in the main survey, an alternative serious mental illness model was fit using the complete MHSS dataset of clinical interviews from 2008 through 2012. Serious mental illness and any mental illness estimates were obtained using the same cut point methodology described previously but was applied to the alternative model.

The modified 2012 SMI prediction model for the SDS half sample was

$$\text{logit}(\hat{\pi}) = \log[\hat{\pi} / (1 - \hat{\pi})] = -5.7736246 + 0.1772067X_k + 1.8392433X_s + 1.6428623X_m + 0.1231266X_a \quad (2)$$

or

$$\hat{\pi} = \frac{1}{1 + \exp[-(-5.7736246 + 0.1772067X_k + 1.8392433X_s + 1.6428623X_m + 0.1231266X_a)]}$$

All of the covariates in equation (2) appeared in equation (1) as well.

As noted previously, serious mental illness estimates for 2008 were based on both the WHODAS and SDS half samples because estimates of serious mental illness were comparable between the half samples. Using the 2012 model allows any mental illness estimates for 2008 to be created based on both the half samples as well. Previous 2008 any mental illness estimates using the 2008 model, on the other hand, were based on only the WHODAS half sample.

A.11.2 Serious Thoughts of Suicide

Responding to a need for national data on the prevalence of suicidal thoughts and behavior, a set of questions was added beginning with the 2008 NSDUH questionnaire (and those sets of questions were continued to be asked in 2009 and 2010). These questions asked all adult respondents aged 18 or older if at any time during the past 12 months they had serious thoughts of suicide (suicidal ideation). State-level estimates of suicidal ideation are included in this report.

A.11.3 Major Depressive Episode (Depression)

According to the DSM-IV, a person is defined as having had major depressive episode in his or her lifetime if he or she has had at least five or more of the following nine symptoms nearly every day in the same 2-week period, where at least one of the symptoms is a depressed mood or loss of interest or pleasure in daily activities (APA, 1994): (1) depressed mood most of the day; (2) markedly diminished interest or pleasure in all or almost all activities most of the day; (3) significant weight loss when not sick or dieting, or weight gain when not pregnant or growing, or decrease or increase in appetite; (4) insomnia or hypersomnia; (5) psychomotor agitation or retardation; (6) fatigue or loss of energy; (7) feelings of worthlessness; (8) diminished ability to think or concentrate or indecisiveness; and (9) recurrent thoughts of death or suicidal ideation. Respondents who have had a major depressive episode in their lifetime are asked if, during the past 12 months, they had a period of depression lasting 2 weeks or longer while also having some of the other symptoms mentioned. Those reporting that they have are defined as having had major depressive episode in the past year and then are asked questions from the SDS to measure the level of functional impairment in major life activities reported to be caused by the major depressive episode in the past 12 months (Leon, Olfson, Portera, Farber, & Sheehan, 1997).

Beginning in 2004, modules related to major depressive episode, derived from DSM-IV (APA, 1994) criteria for major depression, were included in the questionnaire. These questions

permit prevalence estimates of major depressive episode to be calculated. Separate modules were administered to adults aged 18 or older and youths aged 12 to 17. The adult questions were adapted from the depression section of the National Comorbidity Survey Replication (NCS-R), and the questions for youths were adapted from the depression section of the National Comorbidity Survey Adolescent (NCS-A) (see <http://www.hcp.med.harvard.edu/ncs/>). To make the modules developmentally appropriate for youths, there are minor wording differences in a few questions between the adult and youth modules. Revisions to the questions in both modules were made primarily to reduce its length and to modify the NCS questions, which are interviewer-administered, to the audio computer-assisted self-interviewing (ACASI) format used in NSDUH. In addition, some revisions, based on cognitive testing, were made to improve comprehension.

Since 2004, the NSDUH questions that determine major depressive episode have remained unchanged. In the 2008 questionnaire, however, changes were made in other mental health items that precede the major depressive episode questions for adults (K6, suicide, and impairment). Questions also were retained in 2009 and 2010 for the WHODAS impairment scale, and the questions for the SDS impairment scale were deleted; see Sections B.4.2 and B.4.3 in Appendix B of the 2010 NSDUH mental health findings report (CBHSQ, 2012b) for further details about these questionnaire changes. These questionnaire changes in 2008 appear to have affected the reporting on major depressive episode questions among adults.

Because the WHODAS was selected to be used in the 2009 and subsequent surveys, model-based adjustments were applied to major depressive episode estimates from the SDS half sample in 2008 to remove the context effect differential between the two half samples. Additionally, model-based adjustments were made to the 2005, 2006, and 2007 adult major depressive episode estimates to make them comparable with the 2008 through 2010 major depressive episode estimates (for more information on these adjustments, see Aldworth, Kott, Yu, Mosquin, & Barnett-Walker, 2012). Thus, estimates of major depressive episode were produced for the 2008-2009 SAE report using the adjusted 2008 major depressive episode variable along with the unadjusted 2009 major depressive episode variable.

In addition, changes to the youth mental health service utilization module questions in 2009 that preceded the questions about adolescent depression could have affected adolescents' responses to the adolescent depression questions and estimates of adolescent major depressive episode. However, these changes in 2009 did not appear to affect the estimates of adolescent major depressive episode. Therefore, data on trends in past year major depressive episode from 2004 to 2010 are available for adolescents aged 12 to 17.

A.12 Comparison of Two 2009-2010 Small Area Estimates

This section describes a method for determining whether differences between two 2009-2010 State estimates are statistically significant. This procedure can be used for any two State estimates representing the same age group (e.g., young adults aged 18 to 25) and time period (e.g., 2009-2010).

Let π_{1a} and π_{2a} denote the 2009-2010 age group- a specific prevalence rates for two different States, s_1 and s_2 , respectively. The null hypothesis of no difference, that is,

$\pi_{1a} = \pi_{2a}$, is equivalent to the log-odds ratio equal to zero, that is, $lor_a = 0$, where lor_a is defined as $lor_a = \ln \left[\frac{\pi_{2a} / (1 - \pi_{2a})}{\pi_{1a} / (1 - \pi_{1a})} \right]$, where \ln denotes the natural logarithm. An estimate of lor_a is given by $\hat{lor}_a = \ln \left[\frac{p_{2a} / (1 - p_{2a})}{p_{1a} / (1 - p_{1a})} \right]$, where p_{1a} and p_{2a} are the 2009-2010 State estimates given in Appendix B. To compute the variance of \hat{lor}_a , that is, $v(\hat{lor}_a)$, let $\hat{\theta}_1 = \frac{p_{1a}}{1 - p_{1a}}$ and $\hat{\theta}_2 = \frac{p_{2a}}{1 - p_{2a}}$, then $v(\hat{lor}_a) = v[\ln(\hat{\theta}_1)] + v[\ln(\hat{\theta}_2)] - 2 \text{cov}[\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)]$, where $\text{cov}[\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)]$ denotes the covariance between $\ln(\hat{\theta}_1)$ and $\ln(\hat{\theta}_2)$. This covariance is defined in terms of the associated correlation as follows:

$$\text{cov}[\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)] = \text{correlation} [\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)] \times \sqrt{v[\ln(\hat{\theta}_1)] \times v[\ln(\hat{\theta}_2)]}.$$

The quantities $v[\ln(\hat{\theta}_1)]$ and $v[\ln(\hat{\theta}_2)]$ can be obtained by using the 95 percent Bayesian confidence intervals given in Appendix B. For this purpose, let $(lower_1, upper_1)$ and $(lower_2, upper_2)$ denote the 95 percent Bayesian confidence intervals for the two States, s_1 and s_2 , respectively. Then

$$v[\ln(\hat{\theta}_i)] = \left(\frac{U_i - L_i}{2 \times 1.96} \right)^2 \text{ for } i = 1, 2,$$

where $U_i = \ln \frac{upper_i}{1 - upper_i}$ and $L_i = \ln \frac{lower_i}{1 - lower_i}$.

For all practical purposes, the correlation between $\ln(\hat{\theta}_1)$ and $\ln(\hat{\theta}_2)$ is assumed to be negligible; hence, $v(\hat{lor}_a)$ can be approximated by $v[\ln(\hat{\theta}_1)] + v[\ln(\hat{\theta}_2)]$. The correlation is assumed to be negligible because each State was a stratum in the first level of stratification; therefore, each State sample is selected independently. However, the correlation between the two State estimates is theoretically nonzero because State estimates share common fixed-effect parameters in the SAE models. Hence, the test statistic z (defined below) might result in a different conclusion in a few cases when the correlation between the State estimates is incorporated in calculating $v(\hat{lor}_a)$. To calculate the p value for testing the null hypothesis of no difference ($lor_a = 0$), it is assumed that the posterior distribution of lor_a is normal with $mean = \hat{lor}_a$ and $variance = v(\hat{lor}_a)$. With the null value of $lor_a = 0$, the Bayes p value or posterior probability of no difference is $p \text{ value} = 2 * P[Z \geq \text{abs}(z)]$, where Z is a standard normal random variate, $z = \frac{\hat{lor}_a}{\sqrt{v[\ln(\hat{\theta}_1)] + v[\ln(\hat{\theta}_2)]}}$, and $\text{abs}(z)$ denotes the absolute value of z .

When comparing prevalence rates for two States, it is tempting and often convenient to look at their 95 percent Bayesian confidence intervals to decide whether the difference in the State prevalence rates is significant. If the two Bayesian confidence intervals overlap, one would conclude that the difference is not statistically significant. If the two Bayesian confidence intervals do not overlap, it implies that the State prevalence rates are significantly different from each other. However, the type-I error for the overlapping 95 percent Bayesian confidence intervals test is 0.6 percent (assuming that the two State estimates are uncorrelated and have the same variances) as compared with the 5 percent type-I error of the test based on the z statistics defined above (Payton, Greenstone, & Schenker, 2003). Thus, using the overlap method with 95 percent Bayesian confidence intervals implies a type-I error that is much less than the 5 percent level that is typically prescribed for such tests.

As discussed in Schenker and Gentleman (2001), the method of overlapping Bayesian confidence intervals is more conservative (i.e., it rejects the null hypothesis of no difference less often) than the standard method based on z statistics when the null hypothesis is true. Even if Bayesian confidence intervals for two States overlap, the two prevalence rates may be declared significantly different by the test based on z statistics. Hence, the method of overlapping Bayesian confidence intervals is not recommended to test the equivalence of two State prevalence rates. A detailed description of the method of overlapping confidence intervals and its comparison with the standard methods for testing of a hypothesis is given in Schenker and Gentleman (2001) and Payton et al. (2003).

Example. The prevalence rates for past month alcohol use among 12 to 17 year olds in Minnesota and North Dakota are shown in the exhibit below and also in [Table B.9](#) in Appendix B. Looking at the two 95 percent Bayesian confidence intervals, it would appear that the Minnesota and North Dakota prevalence rates for past month alcohol use are not statistically different at the 5 percent level of significance because the two Bayesian confidence intervals overlap:

State	Point Estimate (%)	95% Bayesian Confidence Interval (%)
Minnesota	13.16	(11.10, 15.55)
North Dakota	16.58	(14.25, 19.20)

However, in the following example, the test based on the z statistic described earlier concludes that they are significantly different at the 5 percent level of significance.

Let $p_{1a} = 0.1316$, $lower_1 = 0.1110$, $upper_1 = 0.1555$, $p_{2a} = 0.1658$, $lower_2 = 0.1425$, $upper_2 = 0.1920$. Then,

$$U_1 = \ln \frac{0.1555}{1-0.1555} = -1.6921, L_1 = \ln \frac{0.1110}{1-0.1110} = -2.0806,$$

$$U_2 = \ln \frac{0.1920}{1-0.1920} = -1.4371, L_2 = \ln \frac{0.1425}{1-0.1425} = -1.7947,$$

$$\hat{lor}_a = \ln \left[\frac{p_{2a} / (1-p_{2a})}{p_{1a} / (1-p_{1a})} \right] = \ln \left[\frac{0.1658 / (1-0.1658)}{0.1316 / (1-0.1316)} \right] = 0.2712,$$

$$v[\ln(\hat{\theta}_1)] = \left(\frac{U_1 - L_1}{2 \times 1.96} \right)^2 = \left(\frac{-1.6921 + 2.0806}{2 \times 1.96} \right)^2 = 0.00982,$$

$$v[\ln(\hat{\theta}_2)] = \left(\frac{U_2 - L_2}{2 \times 1.96} \right)^2 = \left(\frac{-1.4371 + 1.7947}{2 \times 1.96} \right)^2 = 0.00832, \text{ and}$$

$$z = \frac{\hat{lor}_a}{\sqrt{v[\ln(\hat{\theta}_1)] + v[\ln(\hat{\theta}_2)]}} = \frac{0.2712}{\sqrt{0.00982 + 0.00832}} = 2.0134.$$

Because the computed absolute value of z is greater than or equal to 1.96 (the critical value of the z statistic), then at the 5 percent level of significance, the hypothesis of no difference (Minnesota prevalence rate = North Dakota prevalence rate) is rejected. Thus, the two State prevalence rates are statistically different. The Bayes p value or posterior probability of no difference is $p \text{ value} = 2 * P[Z \geq 2.0134] = 0.044$.

A.13 Comparison of 2008-2009 and 2009-2010 Small Area Estimates

Comparisons between State small area estimates displayed in Appendix C are based on the 2008 through 2010 NSDUHs. The State estimates for 2008-2009 were recalculated after removing erroneous data (for more details, see Section 1.5 in the Introduction). Hence, the 2008-2009 small area estimates listed here may not match previously published 2008-2009 model-based small area estimates (Hughes et al., 2011). The State estimates for 2009-2010 are the small area estimates given in Appendix B. The moving average State prevalence estimates for the overlapping 2008-2009 and 2009-2010 time periods were obtained from independent applications of SWHB methodology; that is, the 2009-2010 models were fit independently of the previously fitted 2008-2009 models. This independent analysis approach was followed because there was no desire to revise the previously published 2008-2009 estimates. Moreover, the same fixed predictor variables were used in the 2008-2009 and 2009-2010 models, but annual updates were made when more current versions became available (see Section A.3 for details). The age group-specific fixed predictor variables were defined at five levels (namely, person-level, census block group-level, tract-level, county-level, and State-level). Also, each age group model had 51 State-level random effects and 300 "within-State" area-level random effects.

To estimate change in State estimates, let $\pi_{sa(1)}$ and $\pi_{sa(2)}$ denote 2008-2009 and 2009-2010 prevalence rates, respectively, for State- s and age group- a . The change between $\pi_{sa(1)}$ and $\pi_{sa(2)}$ is defined in terms of the log-odds ratio (lor_{sa}) as opposed to the simple difference because the posterior distribution of the lor_{sa} is closer to Gaussian than the posterior distribution of the simple difference ($\pi_{sa(2)} - \pi_{sa(1)}$). The lor_{sa} is defined as

$$lor_{sa} = \ln \left[\frac{\pi_{sa(2)} / (1 - \pi_{sa(2)})}{\pi_{sa(1)} / (1 - \pi_{sa(1)})} \right],$$

where \ln denotes the natural logarithm. The p value given in the Appendix C tables is computed to test the null hypothesis of no change (i.e., $\pi_{sa(2)} = \pi_{sa(1)}$ or equivalently $lor_{sa} = 0$). An estimate of lor_{sa} is given by

$$\hat{lor}_{sa} = \ln \left[\frac{p_{sa(2)} / (1 - p_{sa(2)})}{p_{sa(1)} / (1 - p_{sa(1)})} \right],$$

where the $p_{sa(1)}$ are previously published 2008-2009 State estimates and the $p_{sa(2)}$ are the 2009-2010 State estimates presented in this report (see Appendix B). To compute the variance of

$$\hat{lor}_{sa}, \text{ that is, } v(\hat{lor}_{sa}), \text{ let } \hat{\theta}_1 = \frac{p_{sa(1)}}{1 - p_{sa(1)}} \text{ and } \hat{\theta}_2 = \frac{p_{sa(2)}}{1 - p_{sa(2)}}, \text{ then}$$

$$v(\hat{lor}_{sa}) = v[\ln(\hat{\theta}_1)] + v[\ln(\hat{\theta}_2)] - 2 \text{cov}[\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)],$$

where $\text{cov}[\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)]$ denotes the covariance between $\ln(\hat{\theta}_1)$ and $\ln(\hat{\theta}_2)$. This covariance is defined in terms of the associated correlation as follows:

$$\text{cov}[\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)] = \text{correlation} [\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)] \times \sqrt{v[\ln(\hat{\theta}_1)] \times v[\ln(\hat{\theta}_2)]}.$$

Note that $v[\ln(\hat{\theta}_1)]$ and $v[\ln(\hat{\theta}_2)]$ used here to calculate $v(\hat{lor}_{sa})$ are the same variances used in calculating the previously published 2008-2009 Bayesian confidence intervals and the 2009-2010 Bayesian confidence intervals given in this report, respectively.

The correlation between $\ln(\hat{\theta}_1)$ and $\ln(\hat{\theta}_2)$ was obtained by simultaneously modeling the 2008, 2009, and 2010 NSDUH data. This simultaneous modeling approach was adopted based on the results of the validation study (see Appendix E, Section E.2, of Wright, 2003b) conducted for measuring change in the 1999-2000 and 2000-2001 State estimates. For this simultaneous model, 4 age groups (12 to 17, 18 to 25, 26 to 34, and 35 or older) by 3 years (2008, 2009, and 2010), that is, 12 subpopulation-specific models, were fitted, each with its own set of fixed and random effects. In this case, the general covariance matrices for the State and within-State random effects were 12×12 matrices corresponding to the 12 element (age group \times year) vectors of random effects. Note that the survey-weighted, Bernoulli-type log likelihood employed in the SWHB methodology was appropriate for this simultaneous model because the 12 age group \times year subpopulations were nonoverlapping. The correlation $[\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)]$ was approximated by the correlation calculated using the posterior distributions of $\ln[\pi_{sa(1)} / (1 - \pi_{sa(1)})]$ and $\ln[\pi_{sa(2)} / (1 - \pi_{sa(2)})]$ from the simultaneous model.

Note that the small area estimates for serious mental illness and any mental illness were revised based on the new 2012 model variables in 2013 (for details, see Section A.11.1). A decision was made by SAMHSA not to produce revised correlations based on the revised variables. It was expected that the correlations would not be too affected by changes to the

modeling procedures used to produce estimates for serious mental illness and any mental illness. Hence, in the calculation of p values mentioned below, the correlations for the these two outcomes were based on calculations done using the 2008 model variables; however, updated estimates and variances based on the 2012 model variables were used.

To calculate the p value for testing the null hypothesis of no difference ($lor=0$), it is assumed that the posterior distribution of lor is normal with $mean = \hat{lor}_{sa}$ and $variance = v(\hat{lor}_{sa})$. With the null value of ($lor=0$), the Bayes p value or posterior probability of no difference is $p \text{ value} = 2 * P[Z \geq abs(z)]$, where Z is a standard normal random variate,

$$z = \frac{\hat{lor}_{sa}}{\sqrt{v(\hat{lor}_{sa})}}, \text{ and } abs(z) \text{ denotes the absolute value of } z.$$

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Table A.1 Sample Sizes, Weighted Screening and Interview Response Rates, and Population Estimates, by State, for Persons Aged 12 or Older: 2008

State	Total Selected DUs	Total Eligible DUs	Total Completed Screeners	Weighted DU Screening Response Rate	Total Selected	Total Responded	Population Estimate	Weighted Interview Response Rate	Weighted Overall Response Rate
Total U.S.	194,815	160,114	142,159	88.62%	85,711	67,928	249,815,089	74.24%	65.79%
Northeast	41,088	34,126	28,544	82.73%	16,706	12,923	46,098,527	71.79%	59.40%
Midwest	52,794	44,490	39,977	90.15%	24,383	19,314	54,957,186	74.93%	67.55%
South	59,559	47,799	43,224	91.01%	25,547	20,740	90,962,960	76.37%	69.50%
West	41,374	33,699	30,414	88.10%	19,075	14,951	57,796,416	72.24%	63.64%
Alabama	2,946	2,329	2,140	92.06%	1,173	929	3,843,374	71.78%	66.09%
Alaska	2,628	1,763	1,597	90.64%	1,147	908	541,167	76.32%	69.18%
Arizona	2,899	2,071	1,820	88.20%	1,131	908	5,239,324	76.87%	67.79%
Arkansas	2,699	2,130	2,000	93.82%	1,122	933	2,332,677	77.25%	72.48%
California	9,128	8,079	6,843	84.56%	5,036	3,830	30,012,612	69.66%	58.90%
Colorado	2,963	2,366	2,149	90.78%	1,195	949	4,035,628	76.15%	69.13%
Connecticut	2,744	2,426	2,158	88.84%	1,162	938	2,919,630	75.10%	66.72%
Delaware	2,547	2,123	1,858	87.67%	1,166	943	721,693	78.71%	69.01%
District of Columbia	4,070	3,307	2,720	82.08%	1,078	900	505,593	78.87%	64.74%
Florida	11,058	8,486	7,704	90.84%	4,388	3,590	15,343,888	76.52%	69.51%
Georgia	2,610	2,026	1,836	90.56%	1,089	877	7,753,524	73.73%	66.77%
Hawaii	3,047	2,373	2,038	84.44%	1,277	897	1,052,720	65.04%	54.92%
Idaho	2,393	1,943	1,842	94.82%	1,147	942	1,219,776	78.15%	74.11%
Illinois	10,542	9,213	7,350	79.73%	5,045	3,743	10,598,573	68.66%	54.74%
Indiana	2,314	1,947	1,815	93.21%	1,147	914	5,225,927	77.75%	72.47%
Iowa	2,470	2,154	2,004	92.98%	1,152	945	2,484,297	80.80%	75.12%
Kansas	2,163	1,864	1,746	93.67%	1,100	884	2,269,597	76.83%	71.97%
Kentucky	2,644	2,163	2,040	94.34%	1,097	884	3,524,562	73.21%	69.06%
Louisiana	2,414	1,820	1,717	94.31%	1,082	881	3,581,692	78.79%	74.30%
Maine	3,212	2,374	2,196	92.46%	1,102	915	1,126,276	77.15%	71.33%
Maryland	2,526	2,217	1,770	79.33%	1,087	844	4,660,360	72.92%	57.84%
Massachusetts	2,562	2,159	1,908	88.09%	1,112	897	5,476,618	76.63%	67.50%
Michigan	10,246	8,222	7,299	88.81%	4,587	3,675	8,341,138	75.18%	66.77%
Minnesota	2,238	1,918	1,805	94.08%	1,073	881	4,323,170	78.86%	74.19%
Mississippi	2,109	1,677	1,587	94.69%	1,074	883	2,358,646	78.01%	73.87%

(continued)

Table A.1 Sample Sizes, Weighted Screening and Interview Response Rates, and Population Estimates, by State, for Persons Aged 12 or Older: 2008 (continued)

State	Total Selected DUs	Total Eligible DUs	Total Completed Screeners	Weighted DU Screening Response Rate	Total Selected	Total Responded	Population Estimate	Weighted Interview Response Rate	Weighted Overall Response Rate
Missouri	2,613	2,186	2,045	93.58%	1,131	914	4,864,752	76.30%	71.40%
Montana	2,869	2,340	2,211	94.50%	1,139	919	808,201	77.02%	72.78%
Nebraska	2,316	1,915	1,805	94.26%	1,105	888	1,451,290	76.82%	72.41%
Nevada	2,778	2,256	2,121	94.20%	1,124	887	2,115,107	74.07%	69.77%
New Hampshire	2,585	2,006	1,761	87.82%	1,113	904	1,115,443	79.14%	69.50%
New Jersey	2,757	2,336	2,054	88.06%	1,247	974	7,225,089	73.12%	64.39%
New Mexico	2,591	1,946	1,835	94.30%	1,073	876	1,616,007	79.35%	74.83%
New York	11,715	9,885	7,693	77.90%	4,928	3,570	16,365,125	66.90%	52.12%
North Carolina	2,433	2,039	1,874	92.06%	1,084	890	7,496,430	78.16%	71.95%
North Dakota	2,818	2,293	2,158	94.19%	1,142	932	530,391	78.87%	74.29%
Ohio	10,373	8,808	8,239	93.53%	4,641	3,692	9,526,405	73.94%	69.15%
Oklahoma	2,192	1,775	1,602	90.43%	1,117	897	2,941,713	78.99%	71.43%
Oregon	2,756	2,353	2,170	92.31%	1,242	1,011	3,173,495	71.54%	66.04%
Pennsylvania	10,033	8,599	6,830	79.31%	3,811	2,930	10,448,312	72.73%	57.68%
Rhode Island	2,653	2,197	1,966	89.44%	1,080	881	887,019	77.68%	69.48%
South Carolina	2,806	2,167	1,977	91.00%	1,113	938	3,667,059	82.06%	74.68%
South Dakota	2,297	1,907	1,821	95.55%	1,143	963	653,933	78.42%	74.93%
Tennessee	2,418	1,978	1,822	92.15%	1,181	937	5,136,799	75.26%	69.35%
Texas	8,122	6,682	6,215	93.03%	4,367	3,556	19,229,370	76.81%	71.45%
Utah	1,730	1,521	1,440	94.74%	1,155	961	2,113,331	78.29%	74.17%
Vermont	2,827	2,144	1,978	92.26%	1,151	914	535,016	75.19%	69.37%
Virginia	2,592	2,142	1,878	87.62%	1,152	926	6,328,752	75.92%	66.52%
Washington	2,758	2,397	2,213	92.43%	1,197	920	5,431,264	73.35%	67.79%
West Virginia	3,373	2,738	2,484	90.51%	1,177	932	1,536,829	76.20%	68.97%
Wisconsin	2,404	2,063	1,890	91.53%	1,117	883	4,687,712	76.91%	70.39%
Wyoming	2,834	2,291	2,135	93.20%	1,212	943	437,785	72.21%	67.30%

DU = dwelling unit.

NOTE: The 2008 numbers may differ from the previously published numbers due to updates (see Section 1.5 of the report).

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008 (Revised March 2012).

Table A.2 Sample Sizes, Weighted Interview Response Rates, and Population Estimates, by State and Three Age Groups: 2008

State	12-17			12-17 Weighted Interview Response Rate	18-25			18-25 Weighted Interview Response Rate	26+			26+ Weighted Interview Response Rate
	Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate	
Total U.S.	26,228	22,261	24,892,326	84.51%	28,793	23,140	32,938,183	80.38%	30,690	22,527	191,984,580	71.81%
Northeast	5,009	4,184	4,374,575	82.21%	5,608	4,389	5,986,651	77.34%	6,089	4,350	35,737,300	69.61%
Midwest	7,439	6,305	5,508,681	84.56%	8,217	6,591	7,275,820	79.57%	8,727	6,418	42,172,686	72.85%
South	7,890	6,801	9,050,269	86.06%	8,623	7,113	11,764,906	82.98%	9,034	6,826	70,147,785	73.92%
West	5,890	4,971	5,958,801	83.78%	6,345	5,047	7,910,806	79.52%	6,840	4,933	43,926,809	69.31%
Alabama	340	292	380,937	86.23%	410	341	501,390	83.71%	423	296	2,961,047	67.68%
Alaska	370	300	61,212	80.19%	374	301	75,989	81.95%	403	307	403,966	74.55%
Arizona	352	307	538,925	87.29%	384	311	675,594	79.95%	395	290	4,024,805	74.78%
Arkansas	354	324	231,729	91.17%	398	328	293,143	84.25%	370	281	1,807,805	74.19%
California	1,471	1,223	3,178,553	82.21%	1,748	1,372	4,276,022	79.29%	1,817	1,235	22,558,037	66.03%
Colorado	398	341	385,509	85.87%	361	279	522,146	77.78%	436	329	3,127,973	74.54%
Connecticut	306	270	289,686	90.03%	443	359	358,342	79.84%	413	309	2,271,601	72.79%
Delaware	351	290	69,446	82.91%	437	354	92,890	81.55%	378	299	559,357	77.54%
District of Columbia	300	273	36,326	92.35%	398	336	84,963	84.30%	380	291	384,303	76.47%
Florida	1,383	1,197	1,353,763	86.91%	1,399	1,176	1,779,426	83.78%	1,606	1,217	12,210,699	74.30%
Georgia	364	313	823,565	85.83%	335	282	1,002,141	84.62%	390	282	5,927,818	69.89%
Hawaii	360	276	94,033	77.53%	431	317	130,031	72.11%	486	304	828,656	62.56%
Idaho	356	314	132,813	88.57%	360	301	163,669	82.85%	431	327	923,294	76.09%
Illinois	1,515	1,235	1,074,628	81.78%	1,689	1,272	1,455,604	74.87%	1,841	1,236	8,068,342	65.78%
Indiana	389	324	532,430	84.25%	370	289	675,007	78.93%	388	301	4,018,491	76.71%
Iowa	351	300	242,215	85.63%	372	304	339,024	82.29%	429	341	1,903,058	79.95%
Kansas	304	259	230,579	84.49%	395	317	320,106	82.00%	401	308	1,718,912	74.93%
Kentucky	361	314	338,183	85.31%	359	299	425,780	81.01%	377	271	2,760,600	70.28%
Louisiana	328	276	372,486	83.41%	361	301	519,209	84.62%	393	304	2,689,997	76.84%
Maine	321	286	101,011	88.64%	372	314	125,017	83.72%	409	315	900,248	75.00%
Maryland	343	287	463,837	84.32%	358	284	603,272	80.92%	386	273	3,593,251	69.76%
Massachusetts	352	301	501,071	85.22%	365	294	745,429	80.99%	395	302	4,230,117	74.93%
Michigan	1,381	1,192	855,511	86.10%	1,591	1,299	1,083,355	81.49%	1,615	1,184	6,402,273	72.60%
Minnesota	343	301	424,864	87.96%	360	290	572,788	80.73%	370	290	3,325,519	77.33%
Mississippi	330	289	254,843	87.98%	353	296	330,023	83.47%	391	298	1,773,779	75.80%

(continued)

Table A.2 Sample Sizes, Weighted Interview Response Rates, and Population Estimates, by State and Three Age Groups: 2008 (continued)

State	12-17			12-17 Weighted Interview Response Rate	18-25			18-25 Weighted Interview Response Rate	26+			26+ Weighted Interview Response Rate
	Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate	
Missouri	358	315	484,594	85.58%	360	284	622,228	76.74%	413	315	3,757,931	74.90%
Montana	383	318	77,182	83.49%	371	312	105,186	84.56%	385	289	625,834	74.91%
Nebraska	346	299	145,878	86.01%	358	291	207,730	79.46%	401	298	1,097,683	75.01%
Nevada	367	320	213,611	87.72%	382	302	243,004	79.89%	375	265	1,658,492	71.42%
New Hampshire	336	285	107,937	84.98%	361	297	132,623	82.48%	416	322	874,884	78.02%
New Jersey	390	316	708,395	80.08%	488	394	861,235	80.20%	369	264	5,655,459	71.02%
New Mexico	316	281	165,144	87.61%	346	275	225,333	79.50%	411	320	1,225,529	78.27%
New York	1,418	1,155	1,548,677	80.19%	1,675	1,213	2,240,017	72.47%	1,835	1,202	12,576,431	64.26%
North Carolina	375	330	728,418	87.95%	312	256	936,723	83.17%	397	304	5,831,288	75.89%
North Dakota	346	296	49,073	85.02%	392	324	88,206	82.80%	404	312	393,112	77.23%
Ohio	1,498	1,262	948,248	84.14%	1,480	1,214	1,208,122	82.55%	1,663	1,216	7,370,036	71.18%
Oklahoma	324	276	293,748	84.67%	397	311	406,525	79.30%	396	310	2,241,440	78.22%
Oregon	369	312	293,880	84.04%	468	407	383,593	86.15%	405	292	2,496,022	67.47%
Pennsylvania	1,199	984	987,054	81.74%	1,182	931	1,329,112	78.89%	1,430	1,015	8,132,146	70.67%
Rhode Island	319	283	82,028	88.85%	354	289	126,487	82.24%	407	309	678,503	75.29%
South Carolina	350	302	357,713	86.20%	375	314	464,802	84.79%	388	322	2,844,544	81.14%
South Dakota	325	289	65,489	88.07%	399	351	90,410	87.27%	419	323	498,034	75.88%
Tennessee	316	263	495,488	83.78%	433	357	616,859	80.88%	432	317	4,024,452	73.37%
Texas	1,318	1,135	2,109,558	86.02%	1,475	1,232	2,706,388	83.77%	1,574	1,189	14,413,424	74.07%
Utah	378	337	251,154	86.62%	337	271	374,827	80.56%	440	353	1,487,351	76.52%
Vermont	368	304	48,716	81.63%	368	298	68,388	81.06%	415	312	417,912	73.53%
Virginia	360	307	607,065	85.38%	420	332	825,136	80.33%	372	287	4,896,552	73.98%
Washington	396	329	524,495	84.17%	383	290	675,978	77.04%	418	301	4,230,791	71.36%
West Virginia	393	333	133,164	85.61%	403	314	176,237	77.96%	381	285	1,227,428	74.83%
Wisconsin	283	233	455,175	83.70%	451	356	613,242	79.48%	383	294	3,619,295	75.54%
Wyoming	374	313	42,291	84.01%	400	309	59,434	76.96%	438	321	336,059	69.82%

NOTE: The 2008 numbers may differ from the previously published numbers due to updates (see Section 1.5 of the report).

NOTE: Computations in this table are based on a respondent's age at screening. Thus, the data in the Total Responded column(s) could differ from data in other NSDUH tables that use the respondent's age recorded during the interview.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008 (Revised March 2012).

Table A.3 Sample Sizes, Weighted Screening and Interview Response Rates, and Population Estimates, by State, for Persons Aged 12 or Older: 2009

State	Total Selected DUs	Total Eligible DUs	Total Completed Screeners	Weighted DU Screening Response Rate	Total Selected	Total Responded	Population Estimate	Weighted Interview Response Rate	Weighted Overall Response Rate
Total U.S.	195,132	161,377	142,933	88.40%	84,785	68,007	251,815,533	75.56%	66.79%
Northeast	42,197	35,012	28,978	81.91%	16,907	13,130	46,385,613	72.81%	59.63%
Midwest	53,123	44,770	40,360	90.34%	23,827	19,133	55,167,183	75.97%	68.64%
South	60,898	49,144	44,583	91.33%	25,512	20,925	92,048,862	77.36%	70.65%
West	38,914	32,451	29,012	87.11%	18,539	14,819	58,213,876	74.50%	64.90%
Alabama	2,831	2,286	2,128	92.98%	1,174	944	3,876,035	78.44%	72.93%
Alaska	2,303	1,768	1,631	92.08%	1,110	902	554,006	79.33%	73.05%
Arizona	2,723	2,050	1,778	82.93%	1,110	916	5,310,817	79.47%	65.91%
Arkansas	2,574	2,104	1,965	93.31%	1,133	914	2,358,363	77.30%	72.13%
California	8,934	7,761	6,499	83.86%	4,734	3,660	30,079,762	71.83%	60.24%
Colorado	2,727	2,272	2,088	92.12%	1,195	984	4,096,077	77.36%	71.26%
Connecticut	2,331	2,061	1,805	87.50%	1,147	915	2,937,125	76.43%	66.87%
Delaware	2,595	2,135	1,862	87.26%	1,129	920	731,769	73.59%	64.21%
District of Columbia	4,322	3,511	2,851	80.59%	1,042	886	510,289	83.69%	67.45%
Florida	11,388	8,721	8,040	91.93%	4,407	3,648	15,484,832	76.74%	70.54%
Georgia	2,295	1,864	1,716	91.79%	1,082	907	7,846,856	78.24%	71.82%
Hawaii	3,209	2,718	2,154	76.85%	1,321	960	1,052,232	67.00%	51.49%
Idaho	2,252	1,765	1,671	94.66%	1,119	916	1,235,558	77.15%	73.04%
Illinois	10,108	8,781	7,097	80.81%	4,786	3,655	10,592,235	71.70%	57.94%
Indiana	2,719	2,226	2,087	93.64%	1,119	904	5,261,391	79.31%	74.27%
Iowa	2,567	2,203	2,049	93.14%	1,099	924	2,486,476	81.80%	76.19%
Kansas	2,364	2,053	1,906	92.80%	1,132	909	2,279,789	76.12%	70.64%
Kentucky	2,411	1,946	1,828	93.94%	1,118	912	3,550,066	76.64%	72.00%
Louisiana	2,615	2,125	1,993	93.91%	1,143	923	3,640,052	78.89%	74.08%
Maine	3,209	2,339	2,150	92.05%	1,132	964	1,128,941	82.64%	76.07%
Maryland	2,231	1,905	1,544	81.00%	1,002	836	4,705,966	79.72%	64.57%
Massachusetts	3,277	2,813	2,385	84.82%	1,239	969	5,563,652	73.77%	62.57%
Michigan	10,360	8,303	7,345	88.44%	4,530	3,639	8,323,828	76.86%	67.98%
Minnesota	2,334	1,984	1,854	93.46%	1,132	925	4,356,171	77.67%	72.60%
Mississippi	2,084	1,619	1,527	94.27%	1,090	891	2,365,526	77.67%	73.22%

(continued)

Table A.3 Sample Sizes, Weighted Screening and Interview Response Rates, and Population Estimates, by State, for Persons Aged 12 or Older: 2009 (continued)

State	Total Selected DUs	Total Eligible DUs	Total Completed Screeners	Weighted DU Screening Response Rate	Total Selected	Total Responded	Population Estimate	Weighted Interview Response Rate	Weighted Overall Response Rate
Missouri	2,529	2,077	1,933	93.09%	1,112	889	4,926,491	75.54%	70.32%
Montana	2,513	2,148	2,026	94.20%	1,119	909	814,381	75.98%	71.57%
Nebraska	2,274	1,940	1,830	94.35%	1,125	911	1,457,382	78.61%	74.16%
Nevada	2,605	2,063	1,941	94.25%	1,149	930	2,144,323	72.30%	68.14%
New Hampshire	2,786	2,255	2,004	88.82%	1,190	944	1,125,160	74.46%	66.14%
New Jersey	2,317	1,990	1,766	88.80%	1,172	906	7,241,791	72.36%	64.25%
New Mexico	2,548	2,032	1,916	94.26%	1,115	918	1,628,498	77.27%	72.83%
New York	13,014	10,782	8,289	76.73%	5,021	3,707	16,380,098	70.67%	54.23%
North Carolina	2,517	2,090	1,919	91.91%	1,112	929	7,612,327	79.41%	72.98%
North Dakota	2,919	2,427	2,290	94.35%	1,149	929	534,362	76.67%	72.33%
Ohio	9,800	8,405	7,847	93.27%	4,392	3,585	9,581,963	74.92%	69.88%
Oklahoma	2,648	2,142	1,964	91.82%	1,124	908	2,970,916	74.49%	68.40%
Oregon	2,802	2,379	2,184	91.95%	1,170	947	3,199,775	79.93%	73.49%
Pennsylvania	9,705	8,367	6,610	79.12%	3,795	2,915	10,583,566	72.92%	57.69%
Rhode Island	2,779	2,343	2,061	87.87%	1,155	913	889,360	76.51%	67.23%
South Carolina	3,097	2,362	2,145	90.20%	1,153	954	3,730,181	76.22%	68.75%
South Dakota	2,417	2,030	1,942	95.66%	1,088	920	659,093	81.15%	77.63%
Tennessee	3,023	2,465	2,298	93.13%	1,172	949	5,196,019	73.45%	68.40%
Texas	8,652	7,178	6,591	91.91%	4,388	3,596	19,519,442	77.65%	71.37%
Utah	1,539	1,376	1,306	94.90%	1,101	918	2,144,172	80.38%	76.28%
Vermont	2,779	2,062	1,908	92.57%	1,056	897	535,921	79.32%	73.43%
Virginia	2,499	2,171	1,924	88.59%	1,125	918	6,410,227	77.07%	68.28%
Washington	2,359	2,098	1,913	91.14%	1,158	936	5,509,332	77.01%	70.19%
West Virginia	3,116	2,520	2,288	90.81%	1,118	890	1,539,997	73.90%	67.11%
Wisconsin	2,732	2,341	2,180	93.19%	1,163	943	4,708,003	76.66%	71.44%
Wyoming	2,400	2,021	1,905	94.26%	1,138	923	444,942	78.67%	74.16%

DU = dwelling unit.

NOTE: The 2009 numbers may differ from the previously published numbers due to updates (see Section 1.5 of the report).

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 (Revised March 2012).

Table A.4 Sample Sizes, Weighted Interview Response Rates, and Population Estimates, by State and Three Age Groups: 2009

State	12-17			12-17 Weighted Interview Response Rate	18-25			18-25 Weighted Interview Response Rate	26+			26+ Weighted Interview Response Rate
	Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate	
Total U.S.	26,157	22,416	24,608,987	85.60%	28,158	22,930	33,579,988	81.48%	30,470	22,661	193,626,558	73.23%
Northeast	5,185	4,362	4,305,676	83.00%	5,638	4,401	6,120,620	77.62%	6,084	4,367	35,959,317	70.73%
Midwest	7,451	6,398	5,410,447	85.51%	7,803	6,325	7,337,646	80.48%	8,573	6,410	42,419,090	73.94%
South	7,811	6,767	9,008,998	87.12%	8,567	7,210	12,022,931	84.47%	9,134	6,948	71,016,933	74.89%
West	5,710	4,889	5,883,867	85.24%	6,150	4,994	8,098,792	80.90%	6,679	4,936	44,231,217	71.90%
Alabama	390	326	377,817	84.54%	345	281	510,045	81.35%	439	337	2,988,173	77.25%
Alaska	348	302	60,144	87.18%	363	298	78,273	84.24%	399	302	415,589	77.37%
Arizona	343	300	538,805	87.04%	400	326	696,689	81.36%	367	290	4,075,324	78.18%
Arkansas	348	306	231,302	89.27%	376	302	298,338	82.71%	409	306	1,828,723	74.91%
California	1,379	1,169	3,117,227	84.22%	1,567	1,240	4,383,689	79.48%	1,788	1,251	22,578,845	68.69%
Colorado	404	365	383,909	88.69%	417	336	533,064	82.80%	374	283	3,179,105	74.49%
Connecticut	367	308	286,054	84.72%	381	312	368,953	82.06%	399	295	2,282,118	74.52%
Delaware	358	310	68,377	86.67%	419	350	94,723	83.22%	352	260	568,669	70.42%
District of Columbia	288	250	35,126	86.53%	402	344	88,250	85.28%	352	292	386,914	83.03%
Florida	1,312	1,126	1,343,518	84.99%	1,538	1,328	1,829,604	85.43%	1,557	1,194	12,311,710	74.51%
Georgia	344	306	821,827	89.76%	342	295	1,025,485	84.40%	396	306	5,999,543	75.62%
Hawaii	391	311	92,363	77.48%	397	285	131,979	70.91%	533	364	827,890	65.27%
Idaho	331	284	133,111	86.64%	351	305	165,070	87.02%	437	327	937,376	74.28%
Illinois	1,406	1,177	1,056,872	83.68%	1,555	1,187	1,467,611	75.72%	1,825	1,291	8,067,752	69.43%
Indiana	332	285	527,261	87.20%	356	287	683,131	80.52%	431	332	4,051,000	78.03%
Iowa	339	302	237,996	90.33%	376	308	340,764	82.02%	384	314	1,907,716	80.77%
Kansas	347	303	227,693	87.71%	415	322	323,487	76.46%	370	284	1,728,609	74.44%
Kentucky	307	267	335,609	88.29%	396	328	431,390	82.52%	415	317	2,783,068	74.53%
Louisiana	338	284	369,414	83.73%	366	308	528,427	83.76%	439	331	2,742,211	77.34%
Maine	379	337	98,248	88.85%	394	334	125,394	84.97%	359	293	905,299	81.60%
Maryland	315	277	456,071	87.92%	334	280	618,887	85.95%	353	279	3,631,008	77.34%
Massachusetts	351	288	496,369	82.35%	428	349	771,025	81.73%	460	332	4,296,258	71.38%
Michigan	1,463	1,243	829,913	84.40%	1,470	1,200	1,090,449	81.26%	1,597	1,196	6,403,467	75.07%
Minnesota	355	307	417,528	85.64%	396	320	575,857	80.13%	381	298	3,362,786	76.19%
Mississippi	300	255	250,210	85.65%	372	318	332,057	86.26%	418	318	1,783,258	75.16%

(continued)

Table A.4 Sample Sizes, Weighted Interview Response Rates, and Population Estimates, by State and Three Age Groups: 2009 (continued)

State	12-17			12-17 Weighted Interview Response Rate	18-25			18-25 Weighted Interview Response Rate	26+			26+ Weighted Interview Response Rate
	Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate	
Missouri	374	306	480,290	81.76%	352	294	630,416	82.92%	386	289	3,815,785	73.41%
Montana	350	295	75,210	85.30%	403	334	105,702	82.72%	366	280	633,469	73.66%
Nebraska	338	290	143,848	87.86%	375	304	209,977	80.99%	412	317	1,103,557	76.98%
Nevada	363	312	214,441	85.95%	391	334	250,525	86.82%	395	284	1,679,357	68.38%
New Hampshire	387	327	105,079	84.57%	356	286	134,825	81.03%	447	331	885,256	72.36%
New Jersey	345	290	697,510	82.70%	408	317	881,986	77.63%	419	299	5,662,295	70.27%
New Mexico	346	305	161,883	89.05%	368	310	230,548	86.27%	401	303	1,236,068	74.09%
New York	1,460	1,203	1,521,667	81.80%	1,718	1,249	2,285,210	73.89%	1,843	1,255	12,573,221	68.68%
North Carolina	309	273	727,521	88.60%	416	358	958,312	87.15%	387	298	5,926,494	77.09%
North Dakota	370	325	48,044	88.03%	356	286	89,285	81.04%	423	318	397,033	74.33%
Ohio	1,393	1,211	931,091	86.54%	1,425	1,206	1,217,923	84.04%	1,574	1,168	7,432,949	71.92%
Oklahoma	365	309	292,731	85.44%	349	287	412,462	82.00%	410	312	2,265,722	71.56%
Oregon	419	336	290,722	80.11%	316	264	390,321	84.79%	435	347	2,518,733	79.14%
Pennsylvania	1,195	988	973,827	83.33%	1,222	959	1,356,120	79.03%	1,378	968	8,253,618	70.58%
Rhode Island	382	333	80,228	87.98%	366	275	128,448	75.86%	407	305	680,684	75.29%
South Carolina	406	351	354,659	85.95%	371	321	474,729	84.77%	376	282	2,900,794	73.28%
South Dakota	322	292	64,477	90.52%	385	329	91,186	85.79%	381	299	503,430	79.03%
Tennessee	394	351	492,599	89.05%	348	289	627,894	84.29%	430	309	4,075,526	69.38%
Texas	1,342	1,182	2,118,403	88.34%	1,439	1,196	2,768,449	83.76%	1,607	1,218	14,632,591	74.99%
Utah	357	318	253,766	89.75%	362	300	377,293	81.68%	382	300	1,513,113	78.55%
Vermont	319	288	46,695	90.40%	365	320	68,659	87.37%	372	289	420,568	76.79%
Virginia	348	297	602,602	84.65%	385	330	846,780	86.18%	392	291	4,960,846	74.49%
Washington	357	311	520,243	87.01%	397	326	694,724	81.30%	404	299	4,294,365	75.18%
West Virginia	347	297	131,213	86.38%	369	295	177,100	78.81%	402	298	1,231,684	71.85%
Wisconsin	412	357	445,433	86.36%	342	282	617,562	81.33%	409	304	3,645,007	74.69%
Wyoming	322	281	42,044	84.77%	418	336	60,915	80.40%	398	306	341,983	77.62%

NOTE: The 2009 numbers may differ from the previously published numbers due to updates (see Section 1.5 of the report).

NOTE: Computations in this table are based on a respondent's age at screening. Thus, the data in the Total Responded column(s) could differ from data in other NSDUH tables that use the respondent's age recorded during the interview.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 (Revised March 2012).

Table A.5 Sample Sizes, Weighted Screening and Interview Response Rates, and Population Estimates, by State, for Persons Aged 12 or Older: 2010

State	Total Selected DUs	Total Eligible DUs	Total Completed Screeners	Weighted DU Screening Response Rate	Total Selected	Total Responded	Population Estimate	Weighted Interview Response Rate	Weighted Overall Response Rate
Total U.S.	201,865	166,532	147,010	88.42%	84,997	67,804	253,619,107	74.57%	65.94%
Northeast	43,420	36,033	29,645	81.63%	16,782	13,017	46,535,320	72.81%	59.44%
Midwest	54,767	45,892	41,118	89.86%	24,139	19,301	55,345,459	74.81%	67.22%
South	63,813	51,533	46,241	90.54%	25,597	20,769	92,961,895	76.24%	69.03%
West	39,865	33,074	30,006	89.17%	18,479	14,717	58,776,433	73.17%	65.24%
Alabama	2,879	2,284	2,099	91.94%	1,121	878	3,893,688	71.86%	66.07%
Alaska	2,226	1,719	1,583	92.02%	1,057	868	555,964	77.75%	71.55%
Arizona	2,655	2,059	1,861	90.14%	1,149	925	5,386,782	72.97%	65.77%
Arkansas	2,595	2,108	1,948	92.51%	1,123	899	2,375,992	75.16%	69.53%
California	9,282	8,087	6,910	85.48%	4,739	3,715	30,322,142	71.96%	61.52%
Colorado	2,529	2,084	1,912	92.20%	1,117	904	4,151,930	79.29%	73.11%
Connecticut	2,474	2,158	1,812	83.73%	1,151	926	2,951,217	75.17%	62.94%
Delaware	2,621	2,118	1,857	87.67%	1,099	889	737,571	77.52%	67.96%
District of Columbia	5,113	4,192	3,403	79.88%	1,110	935	517,942	81.34%	64.97%
Florida	13,206	9,961	8,891	89.01%	4,460	3,655	15,611,774	77.37%	68.87%
Georgia	2,385	1,978	1,804	91.21%	1,131	910	7,940,651	75.51%	68.88%
Hawaii	2,861	2,443	2,098	85.56%	1,296	974	1,047,745	66.88%	57.22%
Idaho	2,624	2,046	1,932	94.43%	1,113	912	1,250,238	78.24%	73.88%
Illinois	10,614	9,121	7,392	80.95%	4,762	3,609	10,629,517	70.77%	57.29%
Indiana	2,743	2,281	2,104	91.97%	1,142	916	5,286,018	73.88%	67.95%
Iowa	2,574	2,187	2,069	94.61%	1,113	925	2,502,115	78.90%	74.65%
Kansas	2,340	1,988	1,824	91.75%	1,101	885	2,296,286	74.78%	68.61%
Kentucky	2,583	2,147	1,991	92.73%	1,109	900	3,574,784	76.88%	71.29%
Louisiana	2,605	2,092	1,955	93.42%	1,112	906	3,661,821	77.97%	72.84%
Maine	3,327	2,404	2,197	90.98%	1,100	924	1,127,285	80.65%	73.37%
Maryland	2,415	2,061	1,692	82.13%	1,096	883	4,737,806	77.66%	63.78%
Massachusetts	3,116	2,716	2,365	87.32%	1,149	930	5,605,641	78.23%	68.31%
Michigan	10,828	8,669	7,623	87.81%	4,561	3,690	8,313,433	75.65%	66.43%
Minnesota	2,532	2,087	1,949	93.42%	1,149	946	4,382,130	78.32%	73.17%
Mississippi	2,485	1,976	1,839	93.07%	1,087	893	2,373,593	76.50%	71.20%

(continued)

Table A.5 Sample Sizes, Weighted Screening and Interview Response Rates, and Population Estimates, by State, for Persons Aged 12 or Older: 2010 (continued)

State	Total Selected DUs	Total Eligible DUs	Total Completed Screeners	Weighted DU Screening Response Rate	Total Selected	Total Responded	Population Estimate	Weighted Interview Response Rate	Weighted Overall Response Rate
Missouri	2,642	2,170	2,031	93.58%	1,142	921	4,952,896	75.89%	71.01%
Montana	2,713	2,255	2,128	94.34%	1,137	919	820,115	76.91%	72.56%
Nebraska	2,336	1,996	1,883	94.30%	1,120	906	1,469,129	73.19%	69.02%
Nevada	2,674	2,063	1,935	94.68%	1,183	958	2,155,405	71.81%	67.99%
New Hampshire	3,232	2,558	2,219	86.80%	1,160	918	1,128,997	74.48%	64.65%
New Jersey	2,382	2,061	1,831	88.85%	1,157	923	7,269,834	78.46%	69.72%
New Mexico	2,610	2,078	1,959	94.26%	1,117	912	1,641,892	77.09%	72.66%
New York	13,218	11,170	8,452	75.25%	5,061	3,626	16,410,083	66.82%	50.28%
North Carolina	2,674	2,303	2,118	92.18%	1,103	904	7,679,126	76.53%	70.54%
North Dakota	3,053	2,567	2,420	94.30%	1,188	954	540,202	76.32%	71.97%
Ohio	10,268	8,717	7,947	91.17%	4,633	3,731	9,580,362	74.81%	68.20%
Oklahoma	2,626	2,122	1,903	89.71%	1,173	923	2,995,565	73.17%	65.64%
Oregon	2,603	2,293	2,146	93.61%	1,134	907	3,229,211	74.87%	70.09%
Pennsylvania	10,193	8,715	6,952	79.79%	3,853	2,985	10,607,311	73.24%	58.44%
Rhode Island	2,574	2,094	1,866	89.19%	1,117	915	896,384	74.52%	66.46%
South Carolina	2,616	2,152	1,927	89.56%	1,138	927	3,760,624	75.68%	67.78%
South Dakota	2,399	2,048	1,945	95.06%	1,115	929	666,589	80.45%	76.47%
Tennessee	2,588	2,149	1,968	91.41%	1,117	901	5,238,574	73.38%	67.08%
Texas	8,885	7,290	6,697	91.78%	4,431	3,590	19,847,501	76.61%	70.31%
Utah	1,507	1,324	1,252	94.58%	1,105	919	2,180,889	79.81%	75.48%
Vermont	2,904	2,157	1,951	90.39%	1,034	870	538,568	82.45%	74.53%
Virginia	2,609	2,284	2,037	89.17%	1,096	888	6,471,190	76.48%	68.20%
Washington	2,636	2,288	2,103	91.87%	1,194	897	5,585,609	70.16%	64.45%
West Virginia	2,928	2,316	2,112	91.30%	1,091	888	1,543,694	78.37%	71.55%
Wisconsin	2,438	2,061	1,931	93.62%	1,113	889	4,726,785	76.78%	71.88%
Wyoming	2,945	2,335	2,187	93.74%	1,138	907	448,513	73.07%	68.50%

DU = dwelling unit.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2010 (Revised March 2012).

Table A.6 Sample Sizes, Weighted Interview Response Rates, and Population Estimates, by State and Three Age Groups: 2010

State	12-17			12-17 Weighted Interview Response Rate	18-25			18-25 Weighted Interview Response Rate	26+			26+ Weighted Interview Response Rate
	Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate	
Total U.S.	25,908	21,992	24,346,528	84.65%	28,164	23,026	34,072,349	81.20%	30,925	22,786	195,200,229	72.14%
Northeast	4,966	4,105	4,234,758	81.31%	5,612	4,412	6,045,018	77.44%	6,204	4,500	36,255,544	71.05%
Midwest	7,357	6,264	5,334,556	85.18%	8,035	6,589	7,496,530	81.44%	8,747	6,448	42,514,373	72.34%
South	8,029	6,858	8,956,559	85.57%	8,407	7,027	12,418,811	83.30%	9,161	6,884	71,586,525	73.79%
West	5,556	4,765	5,820,656	85.19%	6,110	4,998	8,111,990	80.57%	6,813	4,954	44,843,787	70.31%
Alabama	369	307	374,067	82.98%	345	286	520,974	81.37%	407	285	2,998,646	68.80%
Alaska	312	266	57,362	85.56%	362	310	85,086	85.36%	383	292	413,516	75.09%
Arizona	333	292	538,540	87.31%	428	351	701,269	79.13%	388	282	4,146,973	70.30%
Arkansas	334	284	232,460	84.94%	362	296	305,518	82.20%	427	319	1,838,015	72.68%
California	1,526	1,303	3,086,730	84.79%	1,416	1,151	4,268,110	80.94%	1,797	1,261	22,967,302	68.62%
Colorado	273	231	379,157	82.92%	424	345	566,389	81.41%	420	328	3,206,384	78.51%
Connecticut	331	288	281,757	88.09%	400	326	381,359	81.42%	420	312	2,288,101	72.46%
Delaware	319	268	67,234	83.34%	340	288	93,677	85.05%	440	333	576,660	75.64%
District of Columbia	356	324	34,240	91.90%	384	320	84,993	82.39%	370	291	398,709	80.13%
Florida	1,424	1,215	1,329,956	85.86%	1,419	1,212	1,870,501	85.10%	1,617	1,228	12,411,317	75.23%
Georgia	371	313	818,462	84.43%	355	301	1,076,087	84.73%	405	296	6,046,102	72.53%
Hawaii	400	338	89,846	83.34%	439	335	130,340	78.06%	457	301	827,559	63.29%
Idaho	353	294	130,819	83.21%	356	305	177,534	85.11%	404	313	941,886	76.19%
Illinois	1,357	1,122	1,049,679	82.64%	1,615	1,232	1,453,014	76.32%	1,790	1,255	8,126,824	68.31%
Indiana	389	341	523,789	88.17%	343	280	719,041	81.57%	410	295	4,043,187	70.81%
Iowa	336	287	234,049	85.14%	385	321	359,379	81.94%	392	317	1,908,687	77.57%
Kansas	331	296	225,398	89.33%	357	285	338,453	81.23%	413	304	1,732,436	71.72%
Kentucky	352	299	333,232	85.21%	370	304	461,899	82.16%	387	297	2,779,654	75.08%
Louisiana	382	328	365,624	86.45%	345	285	526,082	82.60%	385	293	2,770,114	75.99%
Maine	325	284	94,501	87.86%	356	302	130,971	85.20%	419	338	901,813	79.28%
Maryland	315	268	448,006	86.14%	367	300	613,529	79.93%	414	315	3,676,271	76.21%
Massachusetts	360	296	491,663	80.42%	392	324	761,003	81.71%	397	310	4,352,974	77.40%
Michigan	1,432	1,212	814,296	84.10%	1,453	1,220	1,105,211	84.44%	1,676	1,258	6,393,926	73.01%
Minnesota	337	296	409,292	87.51%	410	340	590,704	82.82%	402	310	3,382,134	76.41%
Mississippi	333	290	247,423	87.78%	368	316	340,138	85.71%	386	287	1,786,033	73.21%

(continued)

Table A.6 Sample Sizes, Weighted Interview Response Rates, and Population Estimates, by State and Three Age Groups: 2010 (continued)

State	12-17			12-17 Weighted Interview Response Rate	18-25			18-25 Weighted Interview Response Rate	26+			26+ Weighted Interview Response Rate
	Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate	
Missouri	341	288	472,583	85.51%	386	320	656,859	82.72%	415	313	3,823,454	73.55%
Montana	348	302	72,261	86.91%	343	280	114,819	81.70%	446	337	633,035	75.07%
Nebraska	335	300	141,249	88.32%	372	306	218,880	82.98%	413	300	1,108,999	69.37%
Nevada	298	264	210,434	90.50%	405	339	263,872	83.13%	480	355	1,681,099	67.89%
New Hampshire	300	250	101,483	84.76%	467	387	145,527	82.81%	393	281	881,988	71.74%
New Jersey	387	324	692,595	83.33%	334	264	865,591	81.47%	436	335	5,711,649	77.39%
New Mexico	364	327	161,227	89.38%	370	303	226,963	83.54%	383	282	1,253,702	74.21%
New York	1,457	1,141	1,498,050	77.55%	1,709	1,234	2,188,721	71.54%	1,895	1,251	12,723,312	64.80%
North Carolina	346	311	719,819	89.83%	375	304	1,014,496	82.27%	382	289	5,944,811	73.67%
North Dakota	357	300	46,378	83.63%	393	340	96,560	86.92%	438	314	397,264	72.96%
Ohio	1,395	1,191	918,549	85.27%	1,634	1,371	1,210,150	83.56%	1,604	1,169	7,451,663	72.00%
Oklahoma	394	337	291,436	84.66%	355	278	425,691	76.96%	424	308	2,278,438	71.09%
Oregon	376	318	285,470	83.17%	361	296	412,163	82.85%	397	293	2,531,579	72.45%
Pennsylvania	1,165	955	951,061	82.17%	1,203	946	1,365,550	78.58%	1,485	1,084	8,290,700	71.31%
Rhode Island	322	292	79,082	90.34%	418	350	129,842	83.67%	377	273	687,461	70.69%
South Carolina	351	292	349,533	83.84%	376	325	487,235	85.47%	411	310	2,923,856	73.12%
South Dakota	365	309	62,886	85.00%	338	296	96,018	88.02%	412	324	507,684	78.44%
Tennessee	370	319	489,539	86.92%	364	302	664,620	83.99%	383	280	4,084,416	69.67%
Texas	1,329	1,125	2,131,714	84.76%	1,532	1,288	2,858,101	83.62%	1,570	1,177	14,857,686	74.07%
Utah	283	250	255,595	88.81%	420	357	381,486	85.32%	402	312	1,543,809	77.17%
Vermont	319	275	44,568	87.55%	333	279	76,455	82.92%	382	316	417,546	81.80%
Virginia	349	295	594,024	85.00%	360	301	884,909	83.26%	387	292	4,992,257	74.20%
Washington	365	301	512,686	83.53%	377	280	719,040	71.68%	452	316	4,353,883	68.27%
West Virginia	335	283	129,792	83.49%	390	321	190,362	81.95%	366	284	1,223,540	77.18%
Wisconsin	382	322	436,408	84.04%	349	278	652,261	78.40%	382	289	3,638,115	75.54%
Wyoming	325	279	40,531	85.48%	409	346	64,920	83.34%	404	282	343,061	69.61%

NOTE: Computations in this table are based on a respondent's age at screening. Thus, the data in the Total Responded column(s) could differ from data in other NSDUH tables that use the respondent's age recorded during the interview.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2010 (Revised March 2012).

Table A.7 Sample Sizes, Weighted Screening and Interview Response Rates, and Population Estimates, by State, for Persons Aged 12 or Older: 2008 and 2009

State	Total Selected DUs	Total Eligible DUs	Total Completed Screeners	Weighted DU Screening Response Rate	Total Selected	Total Responded	Population Estimate	Weighted Interview Response Rate	Weighted Overall Response Rate
Total U.S.	389,947	321,491	285,092	88.51%	170,496	135,935	250,815,311	74.90%	66.29%
Northeast	83,285	69,138	57,522	82.32%	33,613	26,053	46,242,070	72.30%	59.51%
Midwest	105,917	89,260	80,337	90.24%	48,210	38,447	55,062,184	75.45%	68.09%
South	120,457	96,943	87,807	91.17%	51,059	41,665	91,505,911	76.87%	70.08%
West	80,288	66,150	59,426	87.61%	37,614	29,770	58,005,146	73.38%	64.29%
Alabama	5,777	4,615	4,268	92.54%	2,347	1,873	3,859,705	75.28%	69.66%
Alaska	4,931	3,531	3,228	91.41%	2,257	1,810	547,587	77.90%	71.21%
Arizona	5,622	4,121	3,598	85.29%	2,241	1,824	5,275,070	78.21%	66.71%
Arkansas	5,273	4,234	3,965	93.56%	2,255	1,847	2,345,520	77.28%	72.30%
California	18,062	15,840	13,342	84.22%	9,770	7,490	30,046,187	70.76%	59.59%
Colorado	5,690	4,638	4,237	91.46%	2,390	1,933	4,065,853	76.73%	70.18%
Connecticut	5,075	4,487	3,963	88.18%	2,309	1,853	2,928,377	75.74%	66.79%
Delaware	5,142	4,258	3,720	87.47%	2,295	1,863	726,731	75.98%	66.46%
District of Columbia	8,392	6,818	5,571	81.33%	2,120	1,786	507,941	81.22%	66.05%
Florida	22,446	17,207	15,744	91.37%	8,795	7,238	15,414,360	76.63%	70.02%
Georgia	4,905	3,890	3,552	91.19%	2,171	1,784	7,800,190	76.11%	69.41%
Hawaii	6,256	5,091	4,192	80.76%	2,598	1,857	1,052,476	66.03%	53.33%
Idaho	4,645	3,708	3,513	94.74%	2,266	1,858	1,227,667	77.66%	73.58%
Illinois	20,650	17,994	14,447	80.27%	9,831	7,398	10,595,404	70.19%	56.34%
Indiana	5,033	4,173	3,902	93.43%	2,266	1,818	5,243,659	78.52%	73.36%
Iowa	5,037	4,357	4,053	93.06%	2,251	1,869	2,485,386	81.30%	75.66%
Kansas	4,527	3,917	3,652	93.24%	2,232	1,793	2,274,693	76.49%	71.32%
Kentucky	5,055	4,109	3,868	94.14%	2,215	1,796	3,537,314	75.04%	70.64%
Louisiana	5,029	3,945	3,710	94.10%	2,225	1,804	3,610,872	78.84%	74.19%
Maine	6,421	4,713	4,346	92.25%	2,234	1,879	1,127,608	79.87%	73.68%
Maryland	4,757	4,122	3,314	80.14%	2,089	1,680	4,683,163	76.30%	61.15%
Massachusetts	5,839	4,972	4,293	86.38%	2,351	1,866	5,520,135	75.20%	64.96%
Michigan	20,606	16,525	14,644	88.62%	9,117	7,314	8,332,483	76.02%	67.37%
Minnesota	4,572	3,902	3,659	93.78%	2,205	1,806	4,339,670	78.27%	73.40%
Mississippi	4,193	3,296	3,114	94.49%	2,164	1,774	2,362,086	77.84%	73.55%

(continued)

Table A.7 Sample Sizes, Weighted Screening and Interview Response Rates, and Population Estimates, by State, for Persons Aged 12 or Older: 2008 and 2009 (continued)

State	Total Selected DUs	Total Eligible DUs	Total Completed Screeners	Weighted DU Screening Response Rate	Total Selected	Total Responded	Population Estimate	Weighted Interview Response Rate	Weighted Overall Response Rate
Missouri	5,142	4,263	3,978	93.34%	2,243	1,803	4,895,621	75.91%	70.86%
Montana	5,382	4,488	4,237	94.35%	2,258	1,828	811,291	76.50%	72.17%
Nebraska	4,590	3,855	3,635	94.30%	2,230	1,799	1,454,336	77.73%	73.30%
Nevada	5,383	4,319	4,062	94.22%	2,273	1,817	2,129,715	73.16%	68.94%
New Hampshire	5,371	4,261	3,765	88.32%	2,303	1,848	1,120,302	76.83%	67.86%
New Jersey	5,074	4,326	3,820	88.43%	2,419	1,880	7,233,440	72.73%	64.32%
New Mexico	5,139	3,978	3,751	94.28%	2,188	1,794	1,622,253	78.31%	73.83%
New York	24,729	20,667	15,982	77.31%	9,949	7,277	16,372,612	68.77%	53.17%
North Carolina	4,950	4,129	3,793	91.98%	2,196	1,819	7,554,378	78.81%	72.50%
North Dakota	5,737	4,720	4,448	94.27%	2,291	1,861	532,376	77.76%	73.31%
Ohio	20,173	17,213	16,086	93.40%	9,033	7,277	9,554,184	74.43%	69.52%
Oklahoma	4,840	3,917	3,566	91.14%	2,241	1,805	2,956,314	76.81%	70.01%
Oregon	5,558	4,732	4,354	92.13%	2,412	1,958	3,186,635	75.86%	69.89%
Pennsylvania	19,738	16,966	13,440	79.21%	7,606	5,845	10,515,939	72.82%	57.68%
Rhode Island	5,432	4,540	4,027	88.68%	2,235	1,794	888,190	77.08%	68.35%
South Carolina	5,903	4,529	4,122	90.62%	2,266	1,892	3,698,620	79.29%	71.85%
South Dakota	4,714	3,937	3,763	95.61%	2,231	1,883	656,513	79.72%	76.22%
Tennessee	5,441	4,443	4,120	92.65%	2,353	1,886	5,166,409	74.40%	68.93%
Texas	16,774	13,860	12,806	92.46%	8,755	7,152	19,374,406	77.24%	71.41%
Utah	3,269	2,897	2,746	94.82%	2,256	1,879	2,128,752	79.32%	75.21%
Vermont	5,606	4,206	3,886	92.42%	2,207	1,811	535,469	77.24%	71.38%
Virginia	5,091	4,313	3,802	88.10%	2,277	1,844	6,369,490	76.49%	67.39%
Washington	5,117	4,495	4,126	91.79%	2,355	1,856	5,470,298	75.24%	69.06%
West Virginia	6,489	5,258	4,772	90.66%	2,295	1,822	1,538,413	75.03%	68.03%
Wisconsin	5,136	4,404	4,070	92.35%	2,280	1,826	4,697,857	76.78%	70.91%
Wyoming	5,234	4,312	4,040	93.73%	2,350	1,866	441,363	75.50%	70.77%

DU = dwelling unit.

NOTE: The 2008-2009 numbers may differ from the previously published numbers due to updates (see Section 1.5 of the report).

NOTE: To compute the pooled 2008-2009 weighted response rates, two samples were combined, and the individual year weights were used for the pooled sample. Thus, the response rates presented here are weighted across 2 years of data rather than being a simple average of the 2008 and 2009 individual response rates. The 2008-2009 population estimate is the average of the 2008 and the 2009 population.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008 and 2009 (Revised March 2012).

Table A.8 Sample Sizes, Weighted Interview Response Rates, and Population Estimates, by State and Three Age Groups: 2008 and 2009

State	12-17			12-17 Weighted Interview Response Rate	18-25			18-25 Weighted Interview Response Rate	26+			26+ Weighted Interview Response Rate
	Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate	
Total U.S.	52,385	44,677	24,750,657	85.05%	56,951	46,070	33,259,086	80.94%	61,160	45,188	192,805,569	72.52%
Northeast	10,194	8,546	4,340,126	82.60%	11,246	8,790	6,053,636	77.48%	12,173	8,717	35,848,309	70.16%
Midwest	14,890	12,703	5,459,564	85.03%	16,020	12,916	7,306,733	80.03%	17,300	12,828	42,295,888	73.40%
South	15,701	13,568	9,029,633	86.59%	17,190	14,323	11,893,918	83.74%	18,168	13,774	70,582,359	74.42%
West	11,600	9,860	5,921,334	84.50%	12,495	10,041	8,004,799	80.23%	13,519	9,869	44,079,013	70.62%
Alabama	730	618	379,377	85.40%	755	622	505,718	82.51%	862	633	2,974,610	72.76%
Alaska	718	602	60,678	83.59%	737	599	77,131	83.11%	802	609	409,778	76.06%
Arizona	695	607	538,865	87.17%	784	637	686,141	80.67%	762	580	4,050,064	76.55%
Arkansas	702	630	231,516	90.22%	774	630	295,741	83.49%	779	587	1,818,264	74.55%
California	2,850	2,392	3,147,890	83.21%	3,315	2,612	4,329,856	79.39%	3,605	2,486	22,568,441	67.38%
Colorado	802	706	384,709	87.27%	778	615	527,605	80.34%	810	612	3,153,539	74.52%
Connecticut	673	578	287,870	87.35%	824	671	363,648	80.97%	812	604	2,276,860	73.61%
Delaware	709	600	68,911	84.77%	856	704	93,807	82.39%	730	559	564,013	73.67%
District of Columbia	588	523	35,726	89.49%	800	680	86,607	84.80%	732	583	385,608	79.62%
Florida	2,695	2,323	1,348,640	85.95%	2,937	2,504	1,804,515	84.62%	3,163	2,411	12,261,205	74.40%
Georgia	708	619	822,696	87.79%	677	577	1,013,813	84.51%	786	588	5,963,681	72.94%
Hawaii	751	587	93,198	77.51%	828	602	131,005	71.50%	1,019	668	828,273	63.93%
Idaho	687	598	132,962	87.60%	711	606	164,370	84.94%	868	654	930,335	75.20%
Illinois	2,921	2,412	1,065,750	82.73%	3,244	2,459	1,461,607	75.30%	3,666	2,527	8,068,047	67.62%
Indiana	721	609	529,845	85.72%	726	576	679,069	79.73%	819	633	4,034,745	77.35%
Iowa	690	602	240,105	87.93%	748	612	339,894	82.15%	813	655	1,905,387	80.37%
Kansas	651	562	229,136	86.11%	810	639	321,796	79.19%	771	592	1,723,761	74.70%
Kentucky	668	581	336,896	86.79%	755	627	428,585	81.76%	792	588	2,771,834	72.59%
Louisiana	666	560	370,950	83.57%	727	609	523,818	84.20%	832	635	2,716,104	77.11%
Maine	700	623	99,629	88.75%	766	648	125,205	84.36%	768	608	902,774	78.26%
Maryland	658	564	459,954	86.09%	692	564	611,079	83.48%	739	552	3,612,130	73.52%
Massachusetts	703	589	498,720	83.77%	793	643	758,227	81.36%	855	634	4,263,188	73.17%
Michigan	2,844	2,435	842,712	85.26%	3,061	2,499	1,086,902	81.38%	3,212	2,380	6,402,870	73.83%
Minnesota	698	608	421,196	86.79%	756	610	574,322	80.44%	751	588	3,344,152	76.76%
Mississippi	630	544	252,527	86.81%	725	614	331,040	84.88%	809	616	1,778,519	75.48%

(continued)

Table A.8 Sample Sizes, Weighted Interview Response Rates, and Population Estimates, by State and Three Age Groups: 2008 and 2009 (continued)

State	12-17			12-17 Weighted Interview Response Rate	18-25			18-25 Weighted Interview Response Rate	26+			26+ Weighted Interview Response Rate
	Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate	
Missouri	732	621	482,442	83.69%	712	578	626,322	79.87%	799	604	3,786,858	74.14%
Montana	733	613	76,196	84.40%	774	646	105,444	83.64%	751	569	629,651	74.29%
Nebraska	684	589	144,863	86.92%	733	595	208,854	80.23%	813	615	1,100,620	76.03%
Nevada	730	632	214,026	86.83%	773	636	246,764	83.45%	770	549	1,668,924	69.86%
New Hampshire	723	612	106,508	84.78%	717	583	133,724	81.75%	863	653	880,070	75.24%
New Jersey	735	606	702,953	81.36%	896	711	871,610	78.88%	788	563	5,658,877	70.63%
New Mexico	662	586	163,513	88.33%	714	585	227,941	82.94%	812	623	1,230,799	76.20%
New York	2,878	2,358	1,535,172	80.98%	3,393	2,462	2,262,614	73.21%	3,678	2,457	12,574,826	66.44%
North Carolina	684	603	727,969	88.27%	728	614	947,518	85.18%	784	602	5,878,891	76.53%
North Dakota	716	621	48,559	86.50%	748	610	88,745	81.90%	827	630	395,073	75.77%
Ohio	2,891	2,473	939,669	85.33%	2,905	2,420	1,213,022	83.30%	3,237	2,384	7,401,492	71.55%
Oklahoma	689	585	293,240	85.06%	746	598	409,494	80.65%	806	622	2,253,581	75.03%
Oregon	788	648	292,301	82.08%	784	671	386,957	85.47%	840	639	2,507,377	73.53%
Pennsylvania	2,394	1,972	980,441	82.54%	2,404	1,890	1,342,616	78.96%	2,808	1,983	8,192,882	70.63%
Rhode Island	701	616	81,128	88.42%	720	564	127,468	78.97%	814	614	679,594	75.29%
South Carolina	756	653	356,186	86.08%	746	635	469,765	84.78%	764	604	2,872,669	77.49%
South Dakota	647	581	64,983	89.29%	784	680	90,798	86.51%	800	622	500,732	77.36%
Tennessee	710	614	494,043	86.40%	781	646	622,376	82.60%	862	626	4,049,989	71.52%
Texas	2,660	2,317	2,113,980	87.19%	2,914	2,428	2,737,418	83.77%	3,181	2,407	14,523,007	74.54%
Utah	735	655	252,460	88.21%	699	571	376,060	81.12%	822	653	1,500,232	77.51%
Vermont	687	592	47,705	85.92%	733	618	68,523	84.23%	787	601	419,240	75.14%
Virginia	708	604	604,833	85.01%	805	662	835,958	83.27%	764	578	4,928,699	74.24%
Washington	753	640	522,369	85.55%	780	616	685,351	79.28%	822	600	4,262,578	73.34%
West Virginia	740	630	132,189	85.99%	772	609	176,668	78.37%	783	583	1,229,556	73.30%
Wisconsin	695	590	450,304	84.98%	793	638	615,402	80.41%	792	598	3,632,151	75.11%
Wyoming	696	594	42,168	84.39%	818	645	60,175	78.67%	836	627	339,021	73.82%

NOTE: The 2008-2009 numbers may differ from the previously published numbers due to updates (see Section 1.5 of the report).

NOTE: Computations in this table are based on a respondent's age at screening. Thus, the data in the Total Responded column(s) could differ from data in other NSDUH tables that use the respondent's age recorded during the interview.

NOTE: To compute the pooled 2008-2009 weighted response rates, two samples were combined, and the individual year weights were used for the pooled sample. Thus, the response rates presented here are weighted across 2 years of data rather than being a simple average of the 2008 and 2009 individual response rates. The 2008-2009 population estimate is the average of the 2008 and the 2009 population.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008 and 2009 (Revised March 2012).

Table A.9 Sample Sizes, Weighted Screening and Interview Response Rates, and Population Estimates, by State, for Persons Aged 12 or Older: 2009 and 2010

State	Total Selected DUs	Total Eligible DUs	Total Completed Screeners	Weighted DU Screening Response Rate	Total Selected	Total Responded	Population Estimate	Weighted Interview Response Rate	Weighted Overall Response Rate
Total U.S.	396,997	327,909	289,943	88.41%	169,782	135,811	252,717,320	75.06%	66.36%
Northeast	85,617	71,045	58,623	81.77%	33,689	26,147	46,460,466	72.81%	59.54%
Midwest	107,890	90,662	81,478	90.10%	47,966	38,434	55,256,321	75.39%	67.92%
South	124,711	100,677	90,824	90.92%	51,109	41,694	92,505,378	76.80%	69.83%
West	78,779	65,525	59,018	88.16%	37,018	29,536	58,495,154	73.83%	65.08%
Alabama	5,710	4,570	4,227	92.46%	2,295	1,822	3,884,861	75.20%	69.53%
Alaska	4,529	3,487	3,214	92.05%	2,167	1,770	554,985	78.55%	72.31%
Arizona	5,378	4,109	3,639	86.23%	2,259	1,841	5,348,799	76.07%	65.60%
Arkansas	5,169	4,212	3,913	92.90%	2,256	1,813	2,367,178	76.23%	70.82%
California	18,216	15,848	13,409	84.68%	9,473	7,375	30,200,952	71.90%	60.88%
Colorado	5,256	4,356	4,000	92.16%	2,312	1,888	4,124,003	78.41%	72.27%
Connecticut	4,805	4,219	3,617	85.61%	2,298	1,841	2,944,171	75.81%	64.90%
Delaware	5,216	4,253	3,719	87.48%	2,228	1,809	734,670	75.59%	66.13%
District of Columbia	9,435	7,703	6,254	80.24%	2,152	1,821	514,116	82.50%	66.19%
Florida	24,594	18,682	16,931	90.42%	8,867	7,303	15,548,303	77.05%	69.67%
Georgia	4,680	3,842	3,520	91.50%	2,213	1,817	7,893,753	76.92%	70.38%
Hawaii	6,070	5,161	4,252	81.28%	2,617	1,934	1,049,989	66.94%	54.41%
Idaho	4,876	3,811	3,603	94.55%	2,232	1,828	1,242,898	77.67%	73.44%
Illinois	20,722	17,902	14,489	80.88%	9,548	7,264	10,610,876	71.24%	57.62%
Indiana	5,462	4,507	4,191	92.80%	2,261	1,820	5,273,705	76.51%	71.00%
Iowa	5,141	4,390	4,118	93.87%	2,212	1,849	2,494,295	80.38%	75.46%
Kansas	4,704	4,041	3,730	92.28%	2,233	1,794	2,288,038	75.43%	69.60%
Kentucky	4,994	4,093	3,819	93.34%	2,227	1,812	3,562,425	76.76%	71.64%
Louisiana	5,220	4,217	3,948	93.67%	2,255	1,829	3,650,936	78.43%	73.47%
Maine	6,536	4,743	4,347	91.50%	2,232	1,888	1,128,113	81.63%	74.69%
Maryland	4,646	3,966	3,236	81.58%	2,098	1,719	4,721,886	78.64%	64.15%
Massachusetts	6,393	5,529	4,750	86.07%	2,388	1,899	5,584,646	76.02%	65.42%
Michigan	21,188	16,972	14,968	88.12%	9,091	7,329	8,318,631	76.25%	67.20%
Minnesota	4,866	4,071	3,803	93.44%	2,281	1,871	4,369,150	78.00%	72.88%
Mississippi	4,569	3,595	3,366	93.67%	2,177	1,784	2,369,559	77.09%	72.21%

(continued)

Table A.9 Sample Sizes, Weighted Screening and Interview Response Rates, and Population Estimates, by State, for Persons Aged 12 or Older: 2009 and 2010 (continued)

State	Total Selected DUs	Total Eligible DUs	Total Completed Screeners	Weighted DU Screening Response Rate	Total Selected	Total Responded	Population Estimate	Weighted Interview Response Rate	Weighted Overall Response Rate
Missouri	5,171	4,247	3,964	93.34%	2,254	1,810	4,939,693	75.72%	70.67%
Montana	5,226	4,403	4,154	94.27%	2,256	1,828	817,248	76.46%	72.08%
Nebraska	4,610	3,936	3,713	94.32%	2,245	1,817	1,463,255	75.92%	71.61%
Nevada	5,279	4,126	3,876	94.53%	2,332	1,888	2,149,864	72.06%	68.11%
New Hampshire	6,018	4,813	4,223	87.84%	2,350	1,862	1,127,079	74.47%	65.41%
New Jersey	4,699	4,051	3,597	88.82%	2,329	1,829	7,255,812	75.41%	66.99%
New Mexico	5,158	4,110	3,875	94.26%	2,232	1,830	1,635,195	77.18%	72.75%
New York	26,232	21,952	16,741	75.99%	10,082	7,333	16,395,090	68.69%	52.20%
North Carolina	5,191	4,393	4,037	92.05%	2,215	1,833	7,645,726	78.04%	71.83%
North Dakota	5,972	4,994	4,710	94.32%	2,337	1,883	537,282	76.49%	72.15%
Ohio	20,068	17,122	15,794	92.21%	9,025	7,316	9,581,162	74.86%	69.03%
Oklahoma	5,274	4,264	3,867	90.79%	2,297	1,831	2,983,240	73.81%	67.01%
Oregon	5,405	4,672	4,330	92.80%	2,304	1,854	3,214,493	77.46%	71.88%
Pennsylvania	19,898	17,082	13,562	79.45%	7,648	5,900	10,595,438	73.08%	58.06%
Rhode Island	5,353	4,437	3,927	88.51%	2,272	1,828	892,872	75.54%	66.85%
South Carolina	5,713	4,514	4,072	89.88%	2,291	1,881	3,745,403	75.94%	68.25%
South Dakota	4,816	4,078	3,887	95.36%	2,203	1,849	662,841	80.79%	77.04%
Tennessee	5,611	4,614	4,266	92.24%	2,289	1,850	5,217,297	73.41%	67.72%
Texas	17,537	14,468	13,288	91.84%	8,819	7,186	19,683,472	77.13%	70.84%
Utah	3,046	2,700	2,558	94.73%	2,206	1,837	2,162,531	80.09%	75.87%
Vermont	5,683	4,219	3,859	91.46%	2,090	1,767	537,245	80.87%	73.96%
Virginia	5,108	4,455	3,961	88.89%	2,221	1,806	6,440,709	76.78%	68.24%
Washington	4,995	4,386	4,016	91.51%	2,352	1,833	5,547,471	73.61%	67.35%
West Virginia	6,044	4,836	4,400	91.05%	2,209	1,778	1,541,846	76.08%	69.27%
Wisconsin	5,170	4,402	4,111	93.41%	2,276	1,832	4,717,394	76.72%	71.66%
Wyoming	5,345	4,356	4,092	94.00%	2,276	1,830	446,727	75.87%	71.31%

DU = dwelling unit.

NOTE: To compute the pooled 2009-2010 weighted response rates, two samples were combined, and the individual year weights were used for the pooled sample. Thus, the response rates presented here are weighted across 2 years of data rather than being a simple average of the 2009 and 2010 individual response rates. The 2009-2010 population estimate is the average of the 2009 and the 2010 population.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table A.10 Sample Sizes, Weighted Interview Response Rates, and Population Estimates, by State and Three Age Groups: 2009 and 2010

State	12-17			12-17 Weighted Interview Response Rate	18-25			18-25 Weighted Interview Response Rate	26+			26+ Weighted Interview Response Rate
	Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate	
Total U.S.	52,065	44,408	24,477,758	85.13%	56,322	45,956	33,826,169	81.34%	61,395	45,447	194,413,393	72.68%
Northeast	10,151	8,467	4,270,217	82.16%	11,250	8,813	6,082,819	77.53%	12,288	8,867	36,107,431	70.89%
Midwest	14,808	12,662	5,372,501	85.35%	15,838	12,914	7,417,088	80.97%	17,320	12,858	42,466,732	73.14%
South	15,840	13,625	8,982,778	86.35%	16,974	14,237	12,220,871	83.88%	18,295	13,832	71,301,729	74.34%
West	11,266	9,654	5,852,262	85.21%	12,260	9,992	8,105,391	80.74%	13,492	9,890	44,537,502	71.09%
Alabama	759	633	375,942	83.76%	690	567	515,510	81.36%	846	622	2,993,410	73.13%
Alaska	660	568	58,753	86.39%	725	608	81,679	84.83%	782	594	414,553	76.26%
Arizona	676	592	538,672	87.18%	828	677	698,979	80.25%	755	572	4,111,148	74.02%
Arkansas	682	590	231,881	87.09%	738	598	301,928	82.45%	836	625	1,833,369	73.79%
California	2,905	2,472	3,101,979	84.51%	2,983	2,391	4,325,900	80.19%	3,585	2,512	22,773,074	68.65%
Colorado	677	596	381,533	85.87%	841	681	549,726	82.10%	794	611	3,192,744	76.74%
Connecticut	698	596	283,906	86.38%	781	638	375,156	81.73%	819	607	2,285,109	73.51%
Delaware	677	578	67,805	85.01%	759	638	94,200	84.15%	792	593	572,665	73.09%
District of Columbia	644	574	34,683	89.17%	786	664	86,622	83.83%	722	583	392,811	81.55%
Florida	2,736	2,341	1,336,737	85.42%	2,957	2,540	1,850,052	85.26%	3,174	2,422	12,361,513	74.87%
Georgia	715	619	820,145	87.07%	697	596	1,050,786	84.56%	801	602	6,022,823	74.13%
Hawaii	791	649	91,104	80.44%	836	620	131,160	74.46%	990	665	827,725	64.29%
Idaho	684	578	131,965	84.90%	707	610	171,302	86.06%	841	640	939,631	75.18%
Illinois	2,763	2,299	1,053,276	83.16%	3,170	2,419	1,460,312	76.02%	3,615	2,546	8,097,288	68.87%
Indiana	721	626	525,525	87.68%	699	567	701,086	81.07%	841	627	4,047,093	74.29%
Iowa	675	589	236,022	87.73%	761	629	350,071	81.98%	776	631	1,908,202	79.22%
Kansas	678	599	226,545	88.52%	772	607	330,970	78.85%	783	588	1,730,522	73.02%
Kentucky	659	566	334,420	86.76%	766	632	446,645	82.33%	802	614	2,781,361	74.80%
Louisiana	720	612	367,519	85.09%	711	593	527,254	83.19%	824	624	2,756,163	76.67%
Maine	704	621	96,374	88.37%	750	636	128,182	85.09%	778	631	903,556	80.42%
Maryland	630	545	452,038	87.03%	701	580	616,208	82.95%	767	594	3,653,639	76.74%
Massachusetts	711	584	494,016	81.38%	820	673	766,014	81.72%	857	642	4,324,616	74.42%
Michigan	2,895	2,455	822,105	84.26%	2,923	2,420	1,097,830	82.89%	3,273	2,454	6,398,696	74.03%
Minnesota	692	603	413,410	86.54%	806	660	583,280	81.49%	783	608	3,372,460	76.30%
Mississippi	633	545	248,816	86.72%	740	634	336,097	85.98%	804	605	1,784,646	74.21%

(continued)

Table A.10 Sample Sizes, Weighted Interview Response Rates, and Population Estimates, by State and Three Age Groups: 2009 and 2010 (continued)

State	12-17			12-17 Weighted Interview Response Rate	18-25			18-25 Weighted Interview Response Rate	26+			26+ Weighted Interview Response Rate
	Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate	
Missouri	715	594	476,436	83.59%	738	614	643,637	82.82%	801	602	3,819,620	73.48%
Montana	698	597	73,735	86.08%	746	614	110,260	82.19%	812	617	633,252	74.40%
Nebraska	673	590	142,549	88.08%	747	610	214,428	82.01%	825	617	1,106,278	73.22%
Nevada	661	576	212,438	88.15%	796	673	257,198	84.96%	875	639	1,680,228	68.13%
New Hampshire	687	577	103,281	84.66%	823	673	140,176	81.96%	840	612	883,622	72.07%
New Jersey	732	614	695,052	83.02%	742	581	873,788	79.50%	855	634	5,686,972	73.83%
New Mexico	710	632	161,555	89.22%	738	613	228,756	84.91%	784	585	1,244,885	74.15%
New York	2,917	2,344	1,509,858	79.67%	3,427	2,483	2,236,966	72.75%	3,738	2,506	12,648,267	66.66%
North Carolina	655	584	723,670	89.21%	791	662	986,404	84.66%	769	587	5,935,653	75.49%
North Dakota	727	625	47,211	85.91%	749	626	92,922	84.11%	861	632	397,148	73.64%
Ohio	2,788	2,402	924,820	85.90%	3,059	2,577	1,214,036	83.80%	3,178	2,337	7,442,306	71.96%
Oklahoma	759	646	292,084	85.05%	704	565	419,077	79.42%	834	620	2,272,080	71.31%
Oregon	795	654	288,096	81.63%	677	560	401,242	83.81%	832	640	2,525,156	75.91%
Pennsylvania	2,360	1,943	962,444	82.77%	2,425	1,905	1,360,835	78.80%	2,863	2,052	8,272,159	70.95%
Rhode Island	704	625	79,655	89.14%	784	625	129,145	79.80%	784	578	684,072	73.06%
South Carolina	757	643	352,096	84.90%	747	646	480,982	85.11%	787	592	2,912,325	73.20%
South Dakota	687	601	63,682	87.84%	723	625	93,602	86.97%	793	623	505,557	78.72%
Tennessee	764	670	491,069	87.97%	712	591	646,257	84.14%	813	589	4,079,971	69.53%
Texas	2,671	2,307	2,125,058	86.57%	2,971	2,484	2,813,275	83.69%	3,177	2,395	14,745,138	74.53%
Utah	640	568	254,680	89.28%	782	657	379,390	83.54%	784	612	1,528,461	77.83%
Vermont	638	563	45,631	89.01%	698	599	72,557	85.03%	754	605	419,057	79.23%
Virginia	697	592	598,313	84.83%	745	631	865,844	84.69%	779	583	4,976,551	74.34%
Washington	722	612	516,464	85.23%	774	606	706,882	76.50%	856	615	4,324,124	71.76%
West Virginia	682	580	130,503	84.95%	759	616	183,731	80.47%	768	582	1,227,612	74.42%
Wisconsin	794	679	440,921	85.20%	691	560	634,912	79.83%	791	593	3,641,561	75.10%
Wyoming	647	560	41,288	85.11%	827	682	62,918	81.96%	802	588	342,522	73.63%

NOTE: Computations in this table are based on a respondent's age at screening. Thus, the data in the Total Responded column(s) could differ from data in other NSDUH tables that use the respondent's age recorded during the interview.

NOTE: To compute the pooled 2009-2010 weighted response rates, two samples were combined, and the individual year weights were used for the pooled sample. Thus, the response rates presented here are weighted across 2 years of data rather than being a simple average of the 2009 and 2010 individual response rates. The 2009-2010 population estimate is the average of the 2009 and the 2010 population.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table A.11 Sample Sizes, Weighted Interview Response Rates, and Population Estimates among Persons Aged 12 to 20, by State: 2008, 2009, and 2010

State	2008			2008 Weighted Interview Response Rate	2009			2009 Weighted Interview Response Rate	2010			2010 Weighted Interview Response Rate
	2008 Total Selected	2008 Total Responded	2008 Population Estimate		2009 Total Selected	2009 Total Responded	2009 Population Estimate		2010 Total Selected	2010 Total Responded	2010 Population Estimate	
Total U.S.	36,999	31,238	38,081,341	84.29%	37,009	31,560	38,241,242	85.21%	36,493	30,926	37,977,621	84.37%
Northeast	7,122	5,920	6,707,117	82.07%	7,329	6,098	6,785,606	82.08%	7,068	5,812	6,622,750	80.74%
Midwest	10,526	8,854	8,356,484	83.74%	10,586	9,034	8,472,393	84.90%	10,415	8,841	8,359,258	84.73%
South	11,102	9,542	13,858,227	86.15%	11,053	9,595	13,893,364	87.36%	11,208	9,600	14,070,149	85.73%
West	8,249	6,922	9,159,513	83.60%	8,041	6,833	9,089,879	84.55%	7,802	6,673	8,925,464	84.62%
Alabama	493	427	581,262	86.76%	530	447	599,028	85.17%	510	425	587,014	82.65%
Alaska	515	414	92,180	80.10%	488	416	91,611	85.87%	433	370	86,119	86.09%
Arizona	481	413	810,336	85.49%	514	437	824,443	84.93%	509	441	834,235	85.27%
Arkansas	513	454	350,656	88.83%	469	407	342,551	88.11%	458	380	334,786	82.16%
California	2,120	1,761	4,938,568	82.75%	1,946	1,634	4,775,356	83.65%	2,058	1,755	4,745,134	84.60%
Colorado	530	444	568,813	83.19%	564	494	585,652	86.73%	406	337	551,247	81.84%
Connecticut	453	396	422,896	88.56%	481	407	408,896	85.77%	494	422	446,654	85.63%
Delaware	495	410	104,894	83.20%	518	446	108,455	86.09%	439	375	105,183	85.49%
District of Columbia	410	368	58,497	90.11%	398	346	59,345	85.42%	442	401	56,178	91.06%
Florida	1,953	1,691	2,132,876	86.69%	1,921	1,662	2,133,592	86.01%	2,038	1,759	2,165,742	86.98%
Georgia	512	438	1,242,605	84.97%	474	420	1,182,593	88.73%	508	430	1,222,236	84.71%
Hawaii	525	408	141,555	77.46%	538	426	150,940	76.75%	561	468	142,051	82.88%
Idaho	477	418	193,450	87.15%	468	402	201,917	86.93%	479	409	202,052	85.98%
Illinois	2,113	1,719	1,626,682	81.62%	2,021	1,676	1,681,199	82.87%	1,948	1,593	1,638,431	81.51%
Indiana	540	447	818,888	83.63%	472	406	824,402	86.59%	511	445	808,335	87.62%
Iowa	484	413	367,032	86.07%	484	417	362,489	86.00%	464	400	369,554	85.30%
Kansas	441	367	343,518	83.67%	523	445	362,101	84.25%	452	397	349,540	87.74%
Kentucky	486	423	515,913	86.34%	465	411	533,285	89.41%	508	430	515,140	84.34%
Louisiana	466	404	615,972	86.94%	470	395	559,359	83.59%	507	431	567,474	85.18%
Maine	484	423	154,462	86.37%	515	448	141,437	87.04%	458	405	152,571	89.02%
Maryland	484	407	708,080	85.30%	445	391	679,353	88.22%	428	367	671,790	86.29%
Massachusetts	475	405	783,464	85.33%	503	407	756,845	80.42%	474	387	730,933	80.15%
Michigan	2,027	1,730	1,325,437	84.95%	2,054	1,735	1,286,421	84.14%	1,998	1,690	1,266,567	84.36%
Minnesota	452	390	620,418	86.35%	523	444	687,929	83.63%	496	425	635,101	85.43%
Mississippi	464	401	385,041	86.31%	464	396	401,760	86.27%	483	422	393,379	87.64%

(continued)

Table A.11 Sample Sizes, Weighted Interview Response Rates, and Population Estimates among Persons Aged 12 to 20, by State: 2008, 2009, and 2010 (continued)

State	2008			2008 Weighted Interview Response Rate	2009			2009 Weighted Interview Response Rate	2010			2010 Weighted Interview Response Rate
	Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate		Total Selected	Total Responded	Population Estimate	
Missouri	483	410	713,872	82.22%	496	410	701,234	83.00%	474	400	741,708	85.70%
Montana	525	442	121,269	85.39%	497	421	116,223	85.63%	480	416	118,731	86.51%
Nebraska	483	417	225,154	85.63%	498	429	240,816	87.71%	469	415	227,519	87.62%
Nevada	490	423	301,339	86.56%	500	438	312,307	88.06%	467	410	329,077	89.28%
New Hampshire	494	418	172,605	84.97%	525	437	162,423	83.24%	485	406	163,192	85.20%
New Jersey	579	474	1,042,888	81.60%	502	418	1,060,608	81.69%	518	429	1,033,688	82.93%
New Mexico	442	382	252,364	85.83%	476	418	255,788	89.54%	502	447	255,942	88.87%
New York	2,028	1,630	2,425,431	79.44%	2,121	1,721	2,486,753	80.92%	2,091	1,629	2,367,030	76.92%
North Carolina	480	420	1,102,143	88.11%	452	402	1,094,206	89.32%	487	434	1,158,894	89.02%
North Dakota	494	417	83,543	83.50%	494	431	82,565	87.52%	516	438	84,291	85.53%
Ohio	2,087	1,757	1,463,023	84.33%	2,014	1,745	1,474,740	86.21%	2,085	1,791	1,450,314	85.68%
Oklahoma	457	385	440,291	84.06%	502	427	460,633	85.55%	510	430	445,994	83.55%
Oregon	583	507	481,595	86.18%	534	429	445,204	81.09%	510	425	435,243	82.04%
Pennsylvania	1,641	1,343	1,497,043	81.72%	1,675	1,384	1,558,771	82.99%	1,641	1,344	1,529,660	81.90%
Rhode Island	448	398	130,107	88.98%	530	447	130,746	83.09%	472	419	127,717	88.13%
South Carolina	488	422	547,282	86.74%	540	471	539,722	86.26%	498	421	554,128	84.56%
South Dakota	497	447	106,030	89.70%	486	439	103,873	90.23%	500	429	98,463	86.31%
Tennessee	456	378	699,714	82.76%	534	473	778,937	88.58%	521	448	783,233	87.28%
Texas	1,906	1,645	3,243,147	86.32%	1,869	1,641	3,208,416	88.06%	1,918	1,638	3,337,978	85.37%
Utah	501	434	395,972	84.14%	483	426	400,057	88.25%	412	364	375,829	88.48%
Vermont	520	433	78,221	82.77%	477	429	79,128	89.98%	435	371	71,307	85.97%
Virginia	502	428	931,139	86.21%	507	441	1,007,100	87.39%	489	415	974,776	85.04%
Washington	538	446	795,765	84.12%	540	464	859,380	85.46%	501	410	783,258	81.66%
West Virginia	537	441	198,715	82.69%	495	419	205,027	84.86%	464	394	196,221	84.13%
Wisconsin	425	340	662,888	81.80%	521	457	664,624	87.47%	502	418	689,435	82.92%
Wyoming	522	430	66,307	81.99%	493	428	71,000	84.56%	484	421	66,546	86.75%

NOTE: The 2008 and 2009 numbers may differ from the previously published numbers due to updates (see Section 1.5 of the report).

NOTE: Computations in this table are based on a respondent's age at screening. Thus, the data in the Total Responded column(s) could differ from data in other NSDUH tables that use the respondent's age recorded during the interview.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table A.12 Sample Sizes, Weighted Interview Response Rates, and Population Estimates among Persons Aged 12 to 20, by State: 2008-2009 and 2009-2010

State	2008-2009 Total Selected	2008-2009 Total Responded	2008-2009 Population Estimate	2008-2009 Weighted Interview Response Rate	2009-2010 Total Selected	2009-2010 Total Responded	2009-2010 Population Estimate	2009-2010 Weighted Interview Response Rate
Total U.S.	74,008	62,798	38,161,292	84.75%	73,502	62,486	38,109,432	84.79%
Northeast	14,451	12,018	6,746,362	82.08%	14,397	11,910	6,704,178	81.42%
Midwest	21,112	17,888	8,414,438	84.32%	21,001	17,875	8,415,825	84.82%
South	22,155	19,137	13,875,795	86.76%	22,261	19,195	13,981,756	86.54%
West	16,290	13,755	9,124,696	84.07%	15,843	13,506	9,007,672	84.58%
Alabama	1,023	874	590,145	85.97%	1,040	872	593,021	83.90%
Alaska	1,003	830	91,895	82.95%	921	786	88,865	85.97%
Arizona	995	850	817,390	85.20%	1,023	878	829,339	85.10%
Arkansas	982	861	346,604	88.49%	927	787	338,668	85.08%
California	4,066	3,395	4,856,962	83.20%	4,004	3,389	4,760,245	84.12%
Colorado	1,094	938	577,232	84.98%	970	831	568,449	84.43%
Connecticut	934	803	415,896	87.17%	975	829	427,775	85.69%
Delaware	1,013	856	106,674	84.66%	957	821	106,819	85.79%
District of Columbia	808	714	58,921	87.72%	840	747	57,762	88.14%
Florida	3,874	3,353	2,133,234	86.36%	3,959	3,421	2,149,667	86.51%
Georgia	986	858	1,212,599	86.81%	982	850	1,202,415	86.71%
Hawaii	1,063	834	146,248	77.10%	1,099	894	146,495	79.79%
Idaho	945	820	197,683	87.04%	947	811	201,984	86.46%
Illinois	4,134	3,395	1,653,940	82.26%	3,969	3,269	1,659,815	82.20%
Indiana	1,012	853	821,645	85.10%	983	851	816,369	87.10%
Iowa	968	830	364,761	86.04%	948	817	366,022	85.65%
Kansas	964	812	352,809	83.97%	975	842	355,820	85.93%
Kentucky	951	834	524,599	87.89%	973	841	524,213	86.87%
Louisiana	936	799	587,665	85.29%	977	826	563,417	84.38%
Maine	999	871	147,950	86.70%	973	853	147,004	88.02%
Maryland	929	798	693,717	86.74%	873	758	675,572	87.28%
Massachusetts	978	812	770,154	82.80%	977	794	743,889	80.29%
Michigan	4,081	3,465	1,305,929	84.55%	4,052	3,425	1,276,494	84.25%
Minnesota	975	834	654,173	84.92%	1,019	869	661,515	84.49%
Mississippi	928	797	393,401	86.29%	947	818	397,570	86.95%

(continued)

Table A.12 Sample Sizes, Weighted Interview Response Rates, and Population Estimates among Persons Aged 12 to 20, by State: 2008-2009 and 2009-2010 (continued)

State	2008-2009 Total Selected	2008-2009 Total Responded	2008-2009 Population Estimate	2008-2009 Weighted Interview Response Rate	2009-2010 Total Selected	2009-2010 Total Responded	2009-2010 Population Estimate	2009-2010 Weighted Interview Response Rate
Missouri	979	820	707,553	82.60%	970	810	721,471	84.36%
Montana	1,022	863	118,746	85.51%	977	837	117,477	86.07%
Nebraska	981	846	232,985	86.69%	967	844	234,167	87.67%
Nevada	990	861	306,823	87.33%	967	848	320,692	88.67%
New Hampshire	1,019	855	167,514	84.14%	1,010	843	162,808	84.20%
New Jersey	1,081	892	1,051,748	81.64%	1,020	847	1,047,148	82.32%
New Mexico	918	800	254,076	87.70%	978	865	255,865	89.20%
New York	4,149	3,351	2,456,092	80.19%	4,212	3,350	2,426,892	78.94%
North Carolina	932	822	1,098,175	88.72%	939	836	1,126,550	89.17%
North Dakota	988	848	83,054	85.45%	1,010	869	83,428	86.49%
Ohio	4,101	3,502	1,468,881	85.28%	4,099	3,536	1,462,527	85.95%
Oklahoma	959	812	450,462	84.83%	1,012	857	453,313	84.57%
Oregon	1,117	936	463,400	83.73%	1,044	854	440,223	81.56%
Pennsylvania	3,316	2,727	1,527,907	82.37%	3,316	2,728	1,544,215	82.45%
Rhode Island	978	845	130,426	85.99%	1,002	866	129,231	85.53%
South Carolina	1,028	893	543,502	86.50%	1,038	892	546,925	85.40%
South Dakota	983	886	104,952	89.97%	986	868	101,168	88.32%
Tennessee	990	851	739,326	85.78%	1,055	921	781,085	87.92%
Texas	3,775	3,286	3,225,782	87.18%	3,787	3,279	3,273,197	86.70%
Utah	984	860	398,014	86.22%	895	790	387,943	88.36%
Vermont	997	862	78,674	86.39%	912	800	75,217	88.07%
Virginia	1,009	869	969,120	86.84%	996	856	990,938	86.24%
Washington	1,078	910	827,573	84.82%	1,041	874	821,319	83.64%
West Virginia	1,032	860	201,871	83.78%	959	813	200,624	84.50%
Wisconsin	946	797	663,756	84.54%	1,023	875	677,030	85.16%
Wyoming	1,015	858	68,653	83.30%	977	849	68,773	85.64%

NOTE: The 2008-2009 numbers may differ from the previously published numbers due to updates (see Section 1.5 of the report).

NOTE: Computations in this table are based on a respondent's age at screening. Thus, the data in the Total Responded column(s) could differ from data in other NSDUH tables that use the respondent's age recorded during the interview.

NOTE: To compute the pooled weighted response rates, the two samples were combined, and the individual-year weights were used for the pooled sample. Thus, the response rates presented here are weighted across 2 years of data rather than being a simple average of the individual response rates. The population estimate is the average of the population across the 2 years.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table A.13 Sample Sizes, Weighted Interview Response Rates, and Population Estimates among Persons Aged 18 or Older, by State: 2008, 2009, and 2010

State	2008			2008 Weighted Interview Response Rate	2009			2009 Weighted Interview Response Rate	2010			2010 Weighted Interview Response Rate
	2008 Total Selected	2008 Total Responded	2008 Population Estimate		2009 Total Selected	2009 Total Responded	2009 Population Estimate		2010 Total Selected	2010 Total Responded	2010 Population Estimate	
Total U.S.	59,483	45,667	224,922,763	73.08%	58,628	45,591	227,206,545	74.46%	59,089	45,812	229,272,578	73.49%
Northeast	11,697	8,739	41,723,952	70.70%	11,722	8,768	42,079,937	71.75%	11,816	8,912	42,300,562	71.96%
Midwest	16,944	13,009	49,448,506	73.84%	16,376	12,735	49,756,736	74.91%	16,782	13,037	50,010,904	73.71%
South	17,657	13,939	81,912,691	75.27%	17,701	14,158	83,039,864	76.29%	17,568	13,911	84,005,336	75.22%
West	13,185	9,980	51,837,615	70.89%	12,829	9,930	52,330,008	73.31%	12,923	9,952	52,955,777	71.84%
Alabama	833	637	3,462,438	70.09%	784	618	3,498,218	77.82%	752	571	3,519,621	70.68%
Alaska	777	608	479,955	75.78%	762	600	493,862	78.40%	745	602	498,602	76.86%
Arizona	779	601	4,700,399	75.56%	767	616	4,772,012	78.64%	816	633	4,848,242	71.45%
Arkansas	768	609	2,100,948	75.70%	785	608	2,127,061	76.02%	789	615	2,143,532	74.10%
California	3,565	2,607	26,834,059	68.17%	3,355	2,491	26,962,535	70.44%	3,213	2,412	27,235,412	70.49%
Colorado	797	608	3,650,120	75.05%	791	619	3,712,168	75.96%	844	673	3,772,773	78.94%
Connecticut	856	668	2,629,944	73.64%	780	607	2,651,071	75.54%	820	638	2,669,460	73.79%
Delaware	815	653	652,247	78.20%	771	610	663,392	72.25%	780	621	670,337	76.96%
District of Columbia	778	627	469,267	77.83%	754	636	475,164	83.47%	754	611	483,703	80.56%
Florida	3,005	2,393	13,990,125	75.51%	3,095	2,522	14,141,314	75.95%	3,036	2,440	14,281,818	76.56%
Georgia	725	564	6,929,959	72.18%	738	601	7,025,028	76.93%	760	597	7,122,189	74.41%
Hawaii	917	621	958,686	63.83%	930	649	959,869	66.03%	896	636	957,899	65.29%
Idaho	791	628	1,086,964	77.02%	788	632	1,102,446	76.10%	760	618	1,119,419	77.60%
Illinois	3,530	2,508	9,523,946	67.16%	3,380	2,478	9,535,363	70.37%	3,405	2,487	9,579,838	69.50%
Indiana	758	590	4,693,498	77.02%	787	619	4,734,130	78.39%	753	575	4,762,228	72.40%
Iowa	801	645	2,242,082	80.29%	760	622	2,248,480	80.95%	777	638	2,268,066	78.26%
Kansas	796	625	2,039,018	76.01%	785	606	2,052,096	74.78%	770	589	2,070,889	73.21%
Kentucky	736	570	3,186,380	71.84%	811	645	3,214,458	75.52%	757	601	3,241,553	76.04%
Louisiana	754	605	3,209,206	78.22%	805	639	3,270,638	78.34%	730	578	3,296,197	77.01%
Maine	781	629	1,025,265	76.07%	753	627	1,030,693	82.04%	775	640	1,032,784	80.01%
Maryland	744	557	4,196,523	71.53%	687	559	4,249,895	78.75%	781	615	4,289,800	76.76%
Massachusetts	760	596	4,975,546	75.82%	888	681	5,067,283	72.94%	789	634	5,113,977	78.02%
Michigan	3,206	2,483	7,485,628	73.93%	3,067	2,396	7,493,915	75.99%	3,129	2,478	7,499,137	74.75%
Minnesota	730	580	3,898,306	77.85%	777	618	3,938,642	76.78%	812	650	3,972,838	77.37%
Mississippi	744	594	2,103,803	76.92%	790	636	2,115,316	76.79%	754	603	2,126,170	75.20%

(continued)

Table A.13 Sample Sizes, Weighted Interview Response Rates, and Population Estimates among Persons Aged 18 or Older, by State: 2008, 2009, and 2010 (continued)

State	2008			2008 Weighted Interview Response Rate	2009			2009 Weighted Interview Response Rate	2010			2010 Weighted Interview Response Rate
	2008 Total Selected	2008 Total Responded	2008 Population Estimate		2009 Total Selected	2009 Total Responded	2009 Population Estimate		2010 Total Selected	2010 Total Responded	2010 Population Estimate	
Missouri	773	599	4,380,159	75.18%	738	583	4,446,201	74.83%	801	633	4,480,314	74.91%
Montana	756	601	731,019	76.33%	769	614	739,171	74.99%	789	617	747,854	76.00%
Nebraska	759	589	1,305,413	75.74%	787	621	1,313,534	77.60%	785	606	1,327,879	71.62%
Nevada	757	567	1,901,495	72.53%	786	618	1,929,882	70.81%	885	694	1,944,971	69.92%
New Hampshire	777	619	1,007,507	78.56%	803	617	1,020,081	73.47%	860	668	1,027,514	73.45%
New Jersey	857	658	6,516,694	72.31%	827	616	6,544,280	71.29%	770	599	6,577,240	77.93%
New Mexico	757	595	1,450,863	78.45%	769	613	1,466,616	75.96%	753	585	1,480,665	75.70%
New York	3,510	2,415	14,816,448	65.48%	3,561	2,504	14,858,432	69.52%	3,604	2,485	14,912,033	65.77%
North Carolina	709	560	6,768,012	76.99%	803	656	6,884,806	78.46%	757	593	6,959,307	75.02%
North Dakota	796	636	481,318	78.24%	779	604	486,318	75.56%	831	654	493,824	75.68%
Ohio	3,143	2,430	8,578,157	72.79%	2,999	2,374	8,650,872	73.65%	3,238	2,540	8,661,813	73.64%
Oklahoma	793	621	2,647,965	78.37%	759	599	2,678,184	73.20%	779	586	2,704,129	71.96%
Oregon	873	699	2,879,615	70.16%	751	611	2,909,054	79.91%	758	589	2,943,741	73.99%
Pennsylvania	2,612	1,946	9,461,258	71.79%	2,600	1,927	9,609,739	71.80%	2,688	2,030	9,656,250	72.35%
Rhode Island	761	598	804,991	76.44%	773	580	809,132	75.38%	795	623	817,303	72.92%
South Carolina	763	636	3,309,346	81.64%	747	603	3,375,522	75.12%	787	635	3,411,091	74.84%
South Dakota	818	674	588,444	77.44%	766	628	594,616	80.10%	750	620	603,702	80.01%
Tennessee	865	674	4,641,311	74.35%	778	598	4,703,420	71.59%	747	582	4,749,036	71.83%
Texas	3,049	2,421	17,119,812	75.65%	3,046	2,414	17,401,039	76.35%	3,102	2,465	17,715,787	75.65%
Utah	777	624	1,862,178	77.28%	744	600	1,890,406	79.16%	822	669	1,925,295	78.73%
Vermont	783	610	486,299	74.56%	737	609	489,227	78.26%	715	595	494,001	81.98%
Virginia	792	619	5,721,688	74.92%	777	621	5,807,626	76.24%	747	593	5,877,166	75.57%
Washington	801	591	4,906,769	72.13%	801	625	4,989,090	76.03%	829	596	5,072,923	68.75%
West Virginia	784	599	1,403,665	75.25%	771	593	1,408,784	72.70%	756	605	1,413,902	77.86%
Wisconsin	834	650	4,232,537	76.11%	751	586	4,262,569	75.65%	731	567	4,290,376	75.98%
Wyoming	838	630	395,493	70.94%	816	642	402,898	78.03%	813	628	407,981	71.88%

NOTE: The 2008 and 2009 numbers may differ from the previously published numbers due to updates (see Section 1.5 of the report).

NOTE: Computations in this table are based on a respondent's age at screening. Thus, the data in the Total Responded column(s) could differ from data in other NSDUH tables that use the respondent's age recorded during the interview.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table A.14 Sample Sizes, Weighted Interview Response Rates, and Population Estimates among Persons Aged 18 or Older, by State: 2008-2009 and 2009-2010

State	2008-2009 Total Selected	2008-2009 Total Responded	2008-2009 Population Estimate	2008-2009 Weighted Interview Response Rate	2009-2010 Total Selected	2009-2010 Total Responded	2009-2010 Population Estimate	2009-2010 Weighted Interview Response Rate
Total U.S.	118,111	91,258	226,064,654	73.78%	117,717	91,403	228,239,562	73.97%
Northeast	23,419	17,507	41,901,944	71.23%	23,538	17,680	42,190,250	71.86%
Midwest	33,320	25,744	49,602,621	74.38%	33,158	25,772	49,883,820	74.31%
South	35,358	28,097	82,476,278	75.79%	35,269	28,069	83,522,600	75.76%
West	26,014	19,910	52,083,811	72.12%	25,752	19,882	52,642,893	72.57%
Alabama	1,617	1,255	3,480,328	74.18%	1,536	1,189	3,508,919	74.32%
Alaska	1,539	1,208	486,909	77.17%	1,507	1,202	496,232	77.64%
Arizona	1,546	1,217	4,736,205	77.16%	1,583	1,249	4,810,127	74.88%
Arkansas	1,553	1,217	2,114,004	75.86%	1,574	1,223	2,135,297	75.05%
California	6,920	5,098	26,898,297	69.32%	6,568	4,903	27,098,973	70.46%
Colorado	1,588	1,227	3,681,144	75.48%	1,635	1,292	3,742,471	77.60%
Connecticut	1,636	1,275	2,640,507	74.56%	1,600	1,245	2,660,265	74.68%
Delaware	1,586	1,263	657,820	75.00%	1,551	1,231	666,864	74.66%
District of Columbia	1,532	1,263	472,215	80.57%	1,508	1,247	479,433	81.99%
Florida	6,100	4,915	14,065,719	75.73%	6,131	4,962	14,211,566	76.26%
Georgia	1,463	1,165	6,977,493	74.70%	1,498	1,198	7,073,609	75.72%
Hawaii	1,847	1,270	959,278	64.94%	1,826	1,285	958,884	65.66%
Idaho	1,579	1,260	1,094,705	76.56%	1,548	1,250	1,110,933	76.82%
Illinois	6,910	4,986	9,529,654	68.78%	6,785	4,965	9,557,601	69.94%
Indiana	1,545	1,209	4,713,814	77.69%	1,540	1,194	4,748,179	75.29%
Iowa	1,561	1,267	2,245,281	80.62%	1,537	1,260	2,258,273	79.64%
Kansas	1,581	1,231	2,045,557	75.42%	1,555	1,195	2,061,492	73.97%
Kentucky	1,547	1,215	3,200,419	73.81%	1,568	1,246	3,228,005	75.77%
Louisiana	1,559	1,244	3,239,922	78.28%	1,535	1,217	3,283,417	77.68%
Maine	1,534	1,256	1,027,979	79.02%	1,528	1,267	1,031,739	81.01%
Maryland	1,431	1,116	4,223,209	75.13%	1,468	1,174	4,269,848	77.70%
Massachusetts	1,648	1,277	5,021,415	74.39%	1,677	1,315	5,090,630	75.50%
Michigan	6,273	4,879	7,489,772	74.95%	6,196	4,874	7,496,526	75.36%
Minnesota	1,507	1,198	3,918,474	77.31%	1,589	1,268	3,955,740	77.08%
Mississippi	1,534	1,230	2,109,559	76.85%	1,544	1,239	2,120,743	76.01%

(continued)

Table A.14 Sample Sizes, Weighted Interview Response Rates, and Population Estimates among Persons Aged 18 or Older, by State: 2008-2009 and 2009-2010 (continued)

State	2008-2009 Total Selected	2008-2009 Total Responded	2008-2009 Population Estimate	2008-2009 Weighted Interview Response Rate	2009-2010 Total Selected	2009-2010 Total Responded	2009-2010 Population Estimate	2009-2010 Weighted Interview Response Rate
Missouri	1,511	1,182	4,413,180	75.00%	1,539	1,216	4,463,257	74.87%
Montana	1,525	1,215	735,095	75.66%	1,558	1,231	743,513	75.52%
Nebraska	1,546	1,210	1,309,473	76.70%	1,572	1,227	1,320,707	74.62%
Nevada	1,543	1,185	1,915,689	71.65%	1,671	1,312	1,937,426	70.36%
New Hampshire	1,580	1,236	1,013,794	76.05%	1,663	1,285	1,023,798	73.46%
New Jersey	1,684	1,274	6,530,487	71.78%	1,597	1,215	6,560,760	74.60%
New Mexico	1,526	1,208	1,458,739	77.21%	1,522	1,198	1,473,640	75.83%
New York	7,071	4,919	14,837,440	67.49%	7,165	4,989	14,885,232	67.58%
North Carolina	1,512	1,216	6,826,409	77.77%	1,560	1,249	6,922,057	76.83%
North Dakota	1,575	1,240	483,818	76.89%	1,610	1,258	490,071	75.62%
Ohio	6,142	4,804	8,614,515	73.22%	6,237	4,914	8,656,342	73.65%
Oklahoma	1,552	1,220	2,663,075	75.88%	1,538	1,185	2,691,157	72.55%
Oregon	1,624	1,310	2,894,334	75.20%	1,509	1,200	2,926,397	77.03%
Pennsylvania	5,212	3,873	9,535,498	71.80%	5,288	3,957	9,632,994	72.08%
Rhode Island	1,534	1,178	807,061	75.89%	1,568	1,203	813,218	74.18%
South Carolina	1,510	1,239	3,342,434	78.56%	1,534	1,238	3,393,307	74.98%
South Dakota	1,584	1,302	591,530	78.71%	1,516	1,248	599,159	80.05%
Tennessee	1,643	1,272	4,672,365	73.05%	1,525	1,180	4,726,228	71.71%
Texas	6,095	4,835	17,260,426	76.00%	6,148	4,879	17,558,413	76.00%
Utah	1,521	1,224	1,876,292	78.20%	1,566	1,269	1,907,850	78.93%
Vermont	1,520	1,219	487,763	76.40%	1,452	1,204	491,614	80.10%
Virginia	1,569	1,240	5,764,657	75.58%	1,524	1,214	5,842,396	75.90%
Washington	1,602	1,216	4,947,930	74.16%	1,630	1,221	5,031,007	72.42%
West Virginia	1,555	1,192	1,406,225	73.95%	1,527	1,198	1,411,343	75.22%
Wisconsin	1,585	1,236	4,247,553	75.88%	1,482	1,153	4,276,473	75.81%
Wyoming	1,654	1,272	399,196	74.56%	1,629	1,270	405,440	74.94%

NOTE: The 2008-2009 numbers may differ from the previously published numbers due to updates (see Section 1.5 of the report).

NOTE: Computations in this table are based on a respondent's age at screening. Thus, the data in the Total Responded column(s) could differ from data in other NSDUH tables that use the respondent's age recorded during the interview.

NOTE: To compute the pooled weighted response rates, the two samples were combined, and the individual-year weights were used for the pooled sample. Thus, the response rates presented here are weighted across 2 years of data rather than being a simple average of the individual response rates. The population estimate is the average of the population across the 2 years.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table A.15 Outcomes, by Survey Year, for Which Small Area Estimates Are Available

Measure	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010
Illicit Drug Use in Past Month	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Marijuana Use in Past Year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Marijuana Use in Past Month	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Perceptions of Great Risk of Smoking Marijuana Once a Month	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
First Use of Marijuana	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Illicit Drug Use Other Than Marijuana in Past Month	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cocaine Use in Past Year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Nonmedical Use of Pain Relievers in Past Year	No ¹	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Alcohol Use in Past Month	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Underage Past Month Use of Alcohol	No ¹	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Binge Alcohol Use in Past Month	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Underage Past Month Binge Alcohol Use	No ¹	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tobacco Product Use in Past Month	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cigarette Use in Past Month	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Perceptions of Great Risk of Smoking One or More Packs of Cigarettes per Day	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Alcohol Dependence or Abuse in Past Year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Alcohol Dependence in Past Year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Illicit Drug Dependence or Abuse in Past Year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Illicit Drug Dependence in Past Year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dependence or Abuse of Illicit Drugs or Alcohol in Past Year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Needing But Not Receiving Treatment for Illicit Drug Use in Past Year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Needing But Not Receiving Treatment for Alcohol Use in Past Year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Serious Psychological Distress in Past Year ²	Yes	Yes	Yes	Yes	Yes	No	No	No
Had at Least One Major Depressive Episode in Past Year ³	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Serious Mental Illness in Past Year	No	No	No	No	No	No	Yes	Yes
Any Mental Illness in Past Year	No	No	No	No	No	No	Yes	Yes
Had Serious Thoughts of Suicide in Past Year	No	No	No	No	No	No	Yes	Yes

¹ Estimates for these outcomes were not included in the 2002-2003 State report (Wright & Sathe, 2005), but the 2002-2003 estimates are included in the 2003-2004 State report as part of the comparison tables (see Wright & Sathe, 2006). However, the Bayesian confidence intervals associated with these were not published.

² Estimates for serious psychological distress (SPD) in the years 2002-2003 and 2003-2004 are not comparable with the 2004-2005 and subsequent SPD estimates. For more details, see Section A.8 in Appendix A of the 2005-2006 State report (Hughes et al., 2008). Note, in 2002-2003, SPD was referred to as "serious mental illness."

³ Questions used to determine a major depressive episode (MDE) were added in 2004. Only estimates for youths aged 12 to 17 are shown in the 2007-2008 report. Estimates for adults aged 18 or older were produced later and are in a separate table; for more details, see Section A.11 in Appendix A of this report. Note that the adult MDE estimates shown in the 2004-2005, 2005-2006, and 2006-2007 reports are not comparable with this report's adult MDE estimates. However, the 2005-2006 and 2006-2007 adult-adjusted MDE estimates available at <http://www.samhsa.gov/data/NSDUH.aspx> are comparable with this report's adult MDE estimates.

Yes = available, No = not available.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2002-2010.

Appendix B:
Tables of Model-Based Estimates (50 States
and the District of Columbia)

Table B.1 *Illicit Drug Use in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	8.82	(8.56 - 9.09)	10.12	(9.73 - 10.51)	21.46	(20.89 - 22.05)	6.46	(6.16 - 6.76)
Northeast	9.49	(9.00 - 9.99)	10.50	(9.82 - 11.21)	24.77	(23.46 - 26.13)	6.79	(6.22 - 7.41)
Midwest	8.10	(7.75 - 8.46)	9.76	(9.23 - 10.32)	20.34	(19.28 - 21.44)	5.75	(5.33 - 6.21)
South	7.86	(7.51 - 8.23)	9.25	(8.74 - 9.79)	19.33	(18.29 - 20.40)	5.72	(5.28 - 6.19)
West	10.48	(9.92 - 11.07)	11.49	(10.67 - 12.37)	23.24	(21.89 - 24.65)	8.03	(7.36 - 8.76)
Alabama	7.25	(6.05 - 8.68)	9.28	(7.66 - 11.21)	17.60	(14.68 - 20.96)	5.22	(4.00 - 6.77)
Alaska	14.15	(12.04 - 16.54)	10.59	(8.69 - 12.84)	27.65	(23.88 - 31.77)	12.00	(9.55 - 14.98)
Arizona	9.53	(7.88 - 11.48)	10.87	(8.85 - 13.28)	20.02	(17.00 - 23.44)	7.58	(5.81 - 9.83)
Arkansas	7.80	(6.54 - 9.29)	9.73	(7.98 - 11.81)	18.04	(15.01 - 21.54)	5.87	(4.58 - 7.49)
California	10.43	(9.56 - 11.36)	11.91	(10.66 - 13.29)	23.10	(21.15 - 25.16)	7.82	(6.81 - 8.96)
Colorado	13.48	(11.63 - 15.57)	12.63	(10.52 - 15.09)	29.88	(26.28 - 33.75)	10.75	(8.69 - 13.23)
Connecticut	9.52	(8.06 - 11.23)	10.54	(8.63 - 12.82)	26.07	(22.51 - 29.97)	6.70	(5.17 - 8.64)
Delaware	8.48	(7.13 - 10.05)	11.33	(9.37 - 13.63)	23.45	(20.16 - 27.10)	5.67	(4.30 - 7.44)
District of Columbia	12.28	(10.46 - 14.37)	13.54	(11.19 - 16.30)	24.01	(20.48 - 27.95)	9.60	(7.55 - 12.13)
Florida	8.42	(7.62 - 9.30)	9.77	(8.64 - 11.04)	20.02	(18.21 - 21.95)	6.52	(5.61 - 7.57)
Georgia	7.32	(6.10 - 8.75)	8.91	(7.37 - 10.74)	17.84	(14.90 - 21.22)	5.26	(4.03 - 6.85)
Hawaii	9.69	(8.05 - 11.61)	10.33	(8.35 - 12.72)	23.44	(19.70 - 27.65)	7.43	(5.74 - 9.57)
Idaho	9.56	(8.00 - 11.38)	10.06	(8.30 - 12.14)	20.56	(17.56 - 23.93)	7.48	(5.77 - 9.66)
Illinois	8.35	(7.64 - 9.12)	10.18	(9.06 - 11.41)	22.07	(20.25 - 24.01)	5.64	(4.84 - 6.56)
Indiana	8.44	(7.12 - 9.97)	9.66	(7.91 - 11.74)	20.56	(17.56 - 23.93)	6.18	(4.80 - 7.92)
Iowa	5.82	(4.84 - 6.98)	9.72	(7.89 - 11.91)	15.51	(12.82 - 18.64)	3.60	(2.67 - 4.83)
Kansas	7.07	(5.88 - 8.47)	9.24	(7.60 - 11.20)	17.43	(14.46 - 20.86)	4.81	(3.65 - 6.31)
Kentucky	7.01	(5.84 - 8.39)	8.39	(6.82 - 10.29)	17.91	(15.07 - 21.16)	5.10	(3.91 - 6.63)
Louisiana	7.52	(6.31 - 8.95)	7.95	(6.44 - 9.79)	19.87	(16.87 - 23.26)	5.11	(3.91 - 6.66)
Maine	11.79	(10.08 - 13.74)	10.79	(8.94 - 12.96)	31.36	(27.69 - 35.27)	9.11	(7.24 - 11.41)
Maryland	8.11	(6.76 - 9.71)	10.12	(8.28 - 12.32)	21.44	(18.05 - 25.26)	5.61	(4.28 - 7.31)
Massachusetts	12.12	(10.52 - 13.92)	12.42	(10.41 - 14.75)	31.15	(27.50 - 35.05)	8.71	(7.01 - 10.77)
Michigan	10.37	(9.52 - 11.29)	10.64	(9.53 - 11.86)	22.70	(20.92 - 24.59)	8.21	(7.19 - 9.36)
Minnesota	6.97	(5.84 - 8.29)	8.14	(6.50 - 10.14)	18.60	(15.82 - 21.75)	4.83	(3.69 - 6.29)
Mississippi	6.95	(5.82 - 8.29)	9.26	(7.56 - 11.30)	16.67	(13.97 - 19.77)	4.81	(3.65 - 6.33)
Missouri	7.70	(6.42 - 9.21)	8.55	(7.03 - 10.37)	20.12	(17.01 - 23.63)	5.50	(4.20 - 7.16)
Montana	10.77	(9.22 - 12.53)	11.66	(9.73 - 13.91)	25.61	(22.29 - 29.24)	8.08	(6.41 - 10.14)

(continued)

Table B.1 Illicit Drug Use in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	7.01	(5.88 - 8.33)	8.27	(6.71 - 10.15)	17.61	(14.79 - 20.83)	4.80	(3.68 - 6.24)
Nevada	9.70	(8.14 - 11.51)	11.33	(9.28 - 13.78)	22.23	(19.00 - 25.84)	7.56	(5.89 - 9.66)
New Hampshire	12.15	(10.37 - 14.18)	13.17	(10.96 - 15.76)	31.96	(28.33 - 35.82)	8.89	(6.95 - 11.31)
New Jersey	7.33	(6.12 - 8.74)	8.83	(7.23 - 10.74)	20.28	(17.10 - 23.89)	5.14	(3.93 - 6.69)
New Mexico	10.07	(8.51 - 11.88)	12.36	(10.22 - 14.87)	22.69	(19.52 - 26.21)	7.47	(5.78 - 9.59)
New York	9.82	(8.97 - 10.74)	10.86	(9.68 - 12.16)	24.39	(22.51 - 26.36)	7.12	(6.14 - 8.24)
North Carolina	8.88	(7.47 - 10.53)	9.79	(8.04 - 11.88)	22.23	(19.14 - 25.66)	6.54	(5.07 - 8.39)
North Dakota	5.30	(4.32 - 6.50)	7.45	(5.90 - 9.36)	11.98	(9.65 - 14.79)	3.51	(2.55 - 4.82)
Ohio	7.87	(7.16 - 8.64)	10.33	(9.24 - 11.54)	20.86	(19.17 - 22.67)	5.44	(4.63 - 6.38)
Oklahoma	9.66	(8.07 - 11.53)	9.99	(8.21 - 12.09)	21.82	(18.36 - 25.72)	7.38	(5.69 - 9.51)
Oregon	12.63	(10.84 - 14.67)	12.86	(10.77 - 15.30)	28.03	(24.43 - 31.93)	10.13	(8.15 - 12.53)
Pennsylvania	7.99	(7.20 - 8.86)	9.51	(8.40 - 10.74)	21.70	(19.75 - 23.79)	5.55	(4.70 - 6.56)
Rhode Island	13.21	(11.34 - 15.34)	12.85	(10.70 - 15.36)	32.35	(28.31 - 36.68)	9.64	(7.64 - 12.10)
South Carolina	8.88	(7.41 - 10.61)	8.70	(7.11 - 10.61)	21.11	(18.03 - 24.56)	6.87	(5.29 - 8.89)
South Dakota	6.07	(4.93 - 7.45)	8.62	(6.91 - 10.72)	15.03	(12.19 - 18.39)	4.12	(3.01 - 5.60)
Tennessee	7.07	(5.87 - 8.50)	8.31	(6.86 - 10.02)	17.60	(14.75 - 20.87)	5.27	(4.03 - 6.85)
Texas	7.32	(6.65 - 8.05)	9.09	(8.02 - 10.28)	17.98	(16.31 - 19.79)	5.03	(4.28 - 5.92)
Utah	5.60	(4.59 - 6.82)	6.89	(5.47 - 8.64)	12.14	(9.73 - 15.04)	3.80	(2.80 - 5.12)
Vermont	13.73	(11.87 - 15.83)	12.80	(10.69 - 15.24)	35.09	(31.28 - 39.09)	10.15	(8.09 - 12.66)
Virginia	7.53	(6.38 - 8.87)	9.13	(7.42 - 11.18)	19.68	(16.77 - 22.96)	5.22	(4.06 - 6.68)
Washington	10.82	(9.30 - 12.55)	10.81	(8.99 - 12.94)	26.07	(22.65 - 29.81)	8.32	(6.70 - 10.30)
West Virginia	8.40	(7.03 - 10.00)	9.36	(7.68 - 11.37)	22.12	(18.89 - 25.73)	6.22	(4.79 - 8.04)
Wisconsin	7.77	(6.52 - 9.24)	10.04	(8.31 - 12.08)	19.95	(16.82 - 23.49)	5.37	(4.13 - 6.97)
Wyoming	7.07	(5.93 - 8.41)	10.46	(8.60 - 12.67)	18.14	(15.33 - 21.34)	4.63	(3.47 - 6.16)

NOTE: Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.2 *Marijuana Use in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	11.47	(11.17 - 11.79)	13.84	(13.38 - 14.32)	30.39	(29.70 - 31.09)	7.88	(7.54 - 8.24)
Northeast	12.87	(12.31 - 13.45)	14.77	(13.94 - 15.64)	35.60	(34.25 - 36.97)	8.81	(8.16 - 9.51)
Midwest	10.79	(10.40 - 11.19)	13.04	(12.44 - 13.66)	29.66	(28.59 - 30.76)	7.21	(6.75 - 7.70)
South	9.94	(9.54 - 10.35)	12.60	(12.00 - 13.23)	26.58	(25.52 - 27.67)	6.75	(6.28 - 7.26)
West	13.44	(12.83 - 14.06)	15.81	(14.87 - 16.79)	32.87	(31.47 - 34.30)	9.59	(8.86 - 10.37)
Alabama	9.01	(7.67 - 10.57)	10.80	(8.97 - 12.94)	22.93	(19.76 - 26.44)	6.40	(5.00 - 8.15)
Alaska	17.51	(15.28 - 19.99)	16.11	(13.51 - 19.09)	36.77	(32.81 - 40.92)	13.92	(11.36 - 16.96)
Arizona	11.26	(9.54 - 13.25)	15.01	(12.64 - 17.73)	27.76	(24.19 - 31.65)	7.98	(6.17 - 10.27)
Arkansas	9.38	(7.96 - 11.04)	11.89	(9.86 - 14.27)	23.77	(20.61 - 27.24)	6.69	(5.19 - 8.58)
California	13.74	(12.77 - 14.76)	15.88	(14.42 - 17.46)	32.87	(30.79 - 35.02)	9.81	(8.65 - 11.10)
Colorado	16.93	(14.82 - 19.27)	19.05	(16.20 - 22.27)	40.92	(37.07 - 44.89)	12.54	(10.20 - 15.32)
Connecticut	13.79	(12.01 - 15.78)	16.77	(14.21 - 19.68)	39.03	(34.90 - 43.32)	9.31	(7.42 - 11.63)
Delaware	12.42	(10.79 - 14.26)	16.71	(14.18 - 19.58)	35.65	(31.95 - 39.54)	8.09	(6.37 - 10.23)
District of Columbia	16.14	(14.07 - 18.45)	16.66	(14.02 - 19.69)	34.39	(30.59 - 38.41)	12.08	(9.80 - 14.81)
Florida	10.76	(9.88 - 11.70)	14.10	(12.81 - 15.51)	28.67	(26.66 - 30.77)	7.70	(6.71 - 8.82)
Georgia	10.44	(8.89 - 12.22)	13.25	(11.12 - 15.72)	26.24	(22.88 - 29.91)	7.29	(5.67 - 9.34)
Hawaii	11.62	(9.89 - 13.59)	13.86	(11.41 - 16.73)	31.46	(27.40 - 35.83)	8.22	(6.46 - 10.42)
Idaho	12.30	(10.65 - 14.17)	13.96	(11.79 - 16.46)	29.75	(26.25 - 33.50)	8.89	(7.10 - 11.07)
Illinois	11.27	(10.44 - 12.15)	13.40	(12.15 - 14.77)	31.15	(29.18 - 33.20)	7.40	(6.47 - 8.46)
Indiana	10.18	(8.77 - 11.79)	12.38	(10.44 - 14.62)	28.29	(24.88 - 31.96)	6.76	(5.32 - 8.56)
Iowa	8.86	(7.52 - 10.42)	13.13	(10.95 - 15.67)	24.46	(21.15 - 28.10)	5.53	(4.19 - 7.25)
Kansas	9.71	(8.35 - 11.26)	12.59	(10.51 - 15.00)	26.91	(23.43 - 30.70)	6.04	(4.68 - 7.77)
Kentucky	8.10	(6.87 - 9.52)	11.19	(9.22 - 13.52)	22.88	(19.64 - 26.48)	5.37	(4.14 - 6.95)
Louisiana	8.73	(7.44 - 10.21)	10.55	(8.71 - 12.74)	24.09	(20.97 - 27.52)	5.55	(4.22 - 7.27)
Maine	14.68	(12.86 - 16.72)	15.28	(12.88 - 18.04)	41.89	(38.04 - 45.84)	10.76	(8.76 - 13.15)
Maryland	10.09	(8.58 - 11.82)	13.72	(11.42 - 16.40)	30.94	(26.99 - 35.18)	6.12	(4.62 - 8.06)
Massachusetts	16.73	(14.88 - 18.76)	17.38	(14.82 - 20.27)	44.29	(40.32 - 48.35)	11.77	(9.75 - 14.15)
Michigan	13.05	(12.10 - 14.06)	14.30	(13.02 - 15.67)	32.59	(30.60 - 34.64)	9.53	(8.42 - 10.77)
Minnesota	10.61	(9.21 - 12.19)	11.90	(9.97 - 14.15)	30.02	(26.67 - 33.61)	7.11	(5.63 - 8.94)
Mississippi	8.50	(7.23 - 9.96)	10.65	(8.76 - 12.89)	21.70	(18.79 - 24.92)	5.73	(4.41 - 7.42)
Missouri	10.23	(8.73 - 11.95)	12.15	(10.11 - 14.53)	27.60	(24.20 - 31.28)	7.06	(5.51 - 9.00)
Montana	14.61	(12.81 - 16.62)	16.83	(14.35 - 19.63)	37.60	(33.76 - 41.60)	10.35	(8.38 - 12.72)

(continued)

Table B.2 *Marijuana Use in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	9.55	(8.23 - 11.06)	10.81	(8.90 - 13.07)	26.28	(22.92 - 29.93)	6.16	(4.81 - 7.85)
Nevada	11.25	(9.58 - 13.16)	15.02	(12.50 - 17.95)	28.03	(24.57 - 31.78)	8.19	(6.41 - 10.41)
New Hampshire	15.26	(13.38 - 17.35)	18.45	(15.68 - 21.58)	41.74	(37.94 - 45.64)	10.70	(8.62 - 13.21)
New Jersey	10.62	(9.12 - 12.34)	13.61	(11.42 - 16.14)	31.78	(27.98 - 35.84)	7.00	(5.46 - 8.92)
New Mexico	12.50	(10.87 - 14.33)	18.12	(15.54 - 21.03)	31.97	(28.40 - 35.77)	8.21	(6.44 - 10.41)
New York	13.00	(12.04 - 14.03)	14.32	(12.94 - 15.82)	34.56	(32.48 - 36.70)	9.03	(7.93 - 10.27)
North Carolina	10.67	(9.23 - 12.30)	12.38	(10.38 - 14.71)	30.26	(26.82 - 33.94)	7.19	(5.68 - 9.07)
North Dakota	8.35	(7.15 - 9.74)	9.84	(8.09 - 11.93)	22.55	(19.56 - 25.85)	4.89	(3.71 - 6.41)
Ohio	10.37	(9.60 - 11.19)	13.13	(11.90 - 14.47)	30.67	(28.83 - 32.58)	6.71	(5.83 - 7.70)
Oklahoma	11.09	(9.41 - 13.04)	13.92	(11.63 - 16.58)	27.95	(24.16 - 32.08)	7.62	(5.92 - 9.76)
Oregon	15.79	(13.82 - 17.99)	19.53	(16.96 - 22.39)	38.90	(34.92 - 43.03)	11.66	(9.51 - 14.23)
Pennsylvania	10.97	(10.09 - 11.92)	13.62	(12.27 - 15.09)	31.43	(29.35 - 33.60)	7.29	(6.31 - 8.41)
Rhode Island	16.10	(14.08 - 18.35)	17.03	(14.45 - 19.97)	42.69	(38.49 - 47.00)	10.98	(8.81 - 13.59)
South Carolina	10.52	(8.95 - 12.32)	12.07	(10.13 - 14.33)	28.75	(25.17 - 32.61)	7.31	(5.68 - 9.36)
South Dakota	8.79	(7.49 - 10.29)	11.22	(9.15 - 13.68)	25.66	(22.17 - 29.50)	5.40	(4.15 - 7.01)
Tennessee	9.49	(8.08 - 11.13)	11.08	(9.30 - 13.16)	25.96	(22.58 - 29.65)	6.71	(5.24 - 8.56)
Texas	9.19	(8.42 - 10.01)	12.38	(11.14 - 13.74)	23.83	(22.01 - 25.75)	5.93	(5.07 - 6.93)
Utah	6.94	(5.87 - 8.19)	9.27	(7.48 - 11.43)	18.52	(15.55 - 21.91)	3.70	(2.69 - 5.07)
Vermont	16.99	(15.06 - 19.11)	17.88	(15.29 - 20.80)	46.35	(42.30 - 50.44)	11.83	(9.66 - 14.41)
Virginia	10.35	(8.93 - 11.97)	13.10	(11.04 - 15.48)	29.32	(25.88 - 33.02)	6.71	(5.25 - 8.54)
Washington	13.98	(12.22 - 15.95)	15.32	(12.99 - 17.99)	38.50	(34.66 - 42.48)	9.81	(7.92 - 12.09)
West Virginia	10.28	(8.79 - 11.99)	12.36	(10.29 - 14.77)	27.49	(24.03 - 31.23)	7.47	(5.91 - 9.39)
Wisconsin	10.50	(9.05 - 12.15)	13.94	(11.78 - 16.41)	29.61	(26.09 - 33.39)	6.75	(5.29 - 8.58)
Wyoming	9.27	(7.93 - 10.82)	13.83	(11.52 - 16.52)	25.60	(22.34 - 29.17)	5.72	(4.37 - 7.47)

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.3 *Marijuana Use in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	6.77	(6.55 - 7.00)	7.38	(7.05 - 7.73)	18.39	(17.84 - 18.95)	4.68	(4.43 - 4.94)
Northeast	7.55	(7.13 - 7.99)	8.43	(7.81 - 9.08)	21.98	(20.73 - 23.28)	5.01	(4.54 - 5.53)
Midwest	6.34	(6.03 - 6.66)	7.13	(6.69 - 7.60)	17.55	(16.53 - 18.61)	4.28	(3.94 - 4.66)
South	5.73	(5.44 - 6.04)	6.44	(6.00 - 6.91)	16.18	(15.19 - 17.21)	3.85	(3.52 - 4.22)
West	8.21	(7.72 - 8.73)	8.32	(7.65 - 9.04)	19.80	(18.53 - 21.13)	6.09	(5.52 - 6.72)
Alabama	4.94	(3.99 - 6.10)	5.75	(4.50 - 7.31)	13.90	(11.28 - 17.02)	3.30	(2.41 - 4.48)
Alaska	11.84	(9.89 - 14.12)	8.64	(6.79 - 10.93)	24.46	(21.06 - 28.21)	9.82	(7.62 - 12.57)
Arizona	6.52	(5.25 - 8.06)	7.58	(5.95 - 9.61)	15.95	(13.19 - 19.16)	4.78	(3.49 - 6.52)
Arkansas	5.47	(4.43 - 6.73)	6.38	(4.92 - 8.25)	13.88	(11.39 - 16.80)	3.96	(2.94 - 5.32)
California	8.23	(7.46 - 9.07)	8.60	(7.55 - 9.77)	19.94	(18.14 - 21.88)	5.96	(5.09 - 6.97)
Colorado	11.29	(9.55 - 13.30)	9.91	(7.91 - 12.34)	26.35	(22.93 - 30.07)	8.86	(6.96 - 11.20)
Connecticut	7.69	(6.37 - 9.24)	8.86	(7.12 - 10.98)	23.56	(20.22 - 27.26)	4.96	(3.65 - 6.71)
Delaware	6.98	(5.75 - 8.44)	8.49	(6.76 - 10.63)	21.05	(17.92 - 24.57)	4.48	(3.29 - 6.07)
District of Columbia	10.04	(8.47 - 11.86)	9.31	(7.34 - 11.74)	21.14	(17.77 - 24.94)	7.67	(5.93 - 9.86)
Florida	6.10	(5.45 - 6.82)	6.92	(6.01 - 7.95)	17.22	(15.53 - 19.06)	4.33	(3.63 - 5.17)
Georgia	5.50	(4.46 - 6.76)	6.42	(5.05 - 8.13)	14.91	(12.34 - 17.90)	3.73	(2.72 - 5.09)
Hawaii	7.88	(6.37 - 9.70)	7.90	(6.16 - 10.07)	19.89	(16.45 - 23.86)	5.97	(4.44 - 7.97)
Idaho	7.29	(5.96 - 8.87)	7.63	(6.10 - 9.50)	16.49	(13.85 - 19.51)	5.56	(4.16 - 7.39)
Illinois	6.50	(5.91 - 7.14)	7.53	(6.57 - 8.61)	18.79	(17.14 - 20.56)	4.15	(3.51 - 4.90)
Indiana	6.10	(5.05 - 7.34)	6.68	(5.31 - 8.38)	17.50	(14.65 - 20.76)	4.05	(3.04 - 5.37)
Iowa	4.92	(3.99 - 6.05)	6.94	(5.46 - 8.79)	14.27	(11.71 - 17.29)	2.99	(2.16 - 4.13)
Kansas	5.33	(4.33 - 6.54)	6.42	(5.02 - 8.18)	14.07	(11.53 - 17.07)	3.52	(2.58 - 4.78)
Kentucky	4.58	(3.70 - 5.65)	5.44	(4.17 - 7.07)	14.26	(11.73 - 17.22)	2.93	(2.12 - 4.03)
Louisiana	5.19	(4.24 - 6.35)	5.28	(4.08 - 6.80)	15.76	(13.20 - 18.72)	3.17	(2.28 - 4.39)
Maine	9.77	(8.17 - 11.65)	8.94	(7.22 - 11.01)	27.34	(23.84 - 31.14)	7.36	(5.65 - 9.54)
Maryland	6.11	(4.98 - 7.48)	7.07	(5.51 - 9.04)	19.01	(15.85 - 22.62)	3.81	(2.77 - 5.23)
Massachusetts	10.11	(8.70 - 11.71)	10.27	(8.42 - 12.47)	27.98	(24.57 - 31.66)	6.92	(5.49 - 8.70)
Michigan	8.43	(7.64 - 9.29)	8.09	(7.11 - 9.19)	20.06	(18.35 - 21.88)	6.47	(5.56 - 7.52)
Minnesota	5.93	(4.87 - 7.20)	6.09	(4.77 - 7.75)	16.76	(14.08 - 19.82)	4.05	(3.01 - 5.42)
Mississippi	4.69	(3.78 - 5.82)	5.22	(4.04 - 6.73)	12.57	(10.25 - 15.33)	3.15	(2.27 - 4.34)
Missouri	6.13	(5.00 - 7.50)	6.42	(5.05 - 8.13)	17.44	(14.63 - 20.66)	4.18	(3.09 - 5.64)
Montana	9.24	(7.80 - 10.90)	9.61	(7.80 - 11.78)	22.71	(19.67 - 26.07)	6.84	(5.31 - 8.79)

(continued)

Table B.3 Marijuana Use in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	5.88	(4.83 - 7.13)	6.30	(4.92 - 8.03)	15.44	(12.81 - 18.51)	3.98	(2.97 - 5.32)
Nevada	7.01	(5.75 - 8.54)	7.61	(6.00 - 9.61)	18.16	(15.38 - 21.32)	5.22	(3.92 - 6.93)
New Hampshire	9.96	(8.38 - 11.81)	11.51	(9.35 - 14.10)	28.29	(24.97 - 31.87)	6.88	(5.21 - 9.05)
New Jersey	5.66	(4.67 - 6.86)	7.21	(5.71 - 9.06)	17.95	(14.99 - 21.36)	3.58	(2.66 - 4.79)
New Mexico	7.73	(6.40 - 9.29)	9.34	(7.50 - 11.57)	19.25	(16.34 - 22.53)	5.41	(4.05 - 7.20)
New York	7.75	(7.02 - 8.54)	8.58	(7.55 - 9.73)	21.46	(19.64 - 23.41)	5.22	(4.42 - 6.16)
North Carolina	7.07	(5.84 - 8.53)	7.10	(5.69 - 8.83)	19.72	(16.84 - 22.96)	4.96	(3.72 - 6.57)
North Dakota	4.10	(3.30 - 5.08)	4.40	(3.29 - 5.86)	9.98	(7.94 - 12.48)	2.71	(1.95 - 3.76)
Ohio	6.03	(5.45 - 6.66)	7.61	(6.70 - 8.64)	18.34	(16.74 - 20.05)	3.81	(3.19 - 4.55)
Oklahoma	6.90	(5.57 - 8.52)	7.17	(5.62 - 9.10)	17.36	(14.31 - 20.91)	4.94	(3.62 - 6.70)
Oregon	10.21	(8.58 - 12.11)	9.46	(7.71 - 11.56)	23.88	(20.68 - 27.41)	8.11	(6.33 - 10.33)
Pennsylvania	6.17	(5.53 - 6.88)	7.40	(6.41 - 8.54)	19.18	(17.35 - 21.16)	3.88	(3.22 - 4.67)
Rhode Island	10.80	(9.16 - 12.69)	9.63	(7.74 - 11.92)	29.83	(26.08 - 33.88)	7.34	(5.68 - 9.45)
South Carolina	5.99	(4.89 - 7.32)	5.74	(4.44 - 7.39)	17.59	(14.65 - 20.99)	4.10	(3.03 - 5.52)
South Dakota	4.92	(3.93 - 6.15)	5.51	(4.24 - 7.13)	13.31	(10.73 - 16.39)	3.32	(2.38 - 4.61)
Tennessee	4.67	(3.78 - 5.75)	5.34	(4.19 - 6.77)	14.17	(11.64 - 17.15)	3.09	(2.26 - 4.22)
Texas	5.40	(4.84 - 6.02)	6.49	(5.62 - 7.49)	14.74	(13.17 - 16.46)	3.46	(2.87 - 4.18)
Utah	3.11	(2.43 - 3.98)	3.68	(2.64 - 5.10)	7.74	(5.86 - 10.16)	1.90	(1.30 - 2.77)
Vermont	11.57	(9.89 - 13.50)	10.65	(8.62 - 13.08)	32.01	(28.39 - 35.86)	8.15	(6.37 - 10.38)
Virginia	5.85	(4.84 - 7.07)	6.74	(5.40 - 8.39)	17.40	(14.68 - 20.50)	3.73	(2.78 - 5.01)
Washington	8.86	(7.46 - 10.50)	8.01	(6.47 - 9.87)	22.74	(19.54 - 26.29)	6.69	(5.24 - 8.52)
West Virginia	5.99	(4.90 - 7.32)	6.14	(4.78 - 7.85)	18.89	(15.95 - 22.22)	4.03	(2.97 - 5.46)
Wisconsin	5.67	(4.63 - 6.94)	6.87	(5.47 - 8.60)	15.81	(13.14 - 18.90)	3.76	(2.76 - 5.10)
Wyoming	5.37	(4.38 - 6.57)	7.07	(5.56 - 8.97)	15.26	(12.71 - 18.22)	3.35	(2.40 - 4.67)

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.4 Perceptions of Great Risk of Smoking Marijuana Once a Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	33.57	(33.03 - 34.11)	29.93	(29.35 - 30.52)	19.24	(18.69 - 19.79)	36.52	(35.84 - 37.21)
Northeast	31.35	(30.34 - 32.38)	26.17	(25.05 - 27.33)	16.00	(15.03 - 17.01)	34.55	(33.29 - 35.84)
Midwest	31.95	(31.15 - 32.76)	31.09	(30.20 - 32.00)	17.48	(16.68 - 18.31)	34.59	(33.60 - 35.59)
South	37.98	(37.15 - 38.82)	32.77	(31.85 - 33.70)	22.15	(21.27 - 23.06)	41.35	(40.31 - 42.40)
West	29.89	(28.86 - 30.94)	27.27	(26.12 - 28.45)	18.88	(17.75 - 20.07)	32.24	(30.93 - 33.57)
Alabama	41.00	(37.78 - 44.29)	40.12	(36.41 - 43.95)	28.46	(24.96 - 32.23)	43.26	(39.28 - 47.33)
Alaska	24.37	(21.41 - 27.59)	25.56	(21.86 - 29.65)	14.70	(12.14 - 17.69)	26.10	(22.41 - 30.16)
Arizona	31.99	(28.72 - 35.45)	27.03	(23.34 - 31.08)	21.41	(18.45 - 24.70)	34.42	(30.34 - 38.74)
Arkansas	37.94	(34.65 - 41.35)	34.01	(30.27 - 37.96)	21.21	(18.28 - 24.48)	41.20	(37.16 - 45.35)
California	31.22	(29.63 - 32.87)	26.14	(24.35 - 28.02)	20.22	(18.55 - 22.00)	34.01	(31.97 - 36.11)
Colorado	22.32	(19.64 - 25.25)	23.10	(19.90 - 26.65)	13.21	(11.00 - 15.78)	23.80	(20.54 - 27.39)
Connecticut	31.35	(28.16 - 34.72)	23.45	(20.12 - 27.15)	15.41	(12.95 - 18.25)	34.91	(30.97 - 39.08)
Delaware	30.69	(27.53 - 34.04)	28.07	(24.65 - 31.75)	15.46	(13.21 - 18.01)	33.51	(29.66 - 37.59)
District of Columbia	26.77	(23.90 - 29.85)	24.44	(20.79 - 28.49)	15.44	(12.97 - 18.28)	29.47	(25.95 - 33.25)
Florida	40.76	(39.01 - 42.53)	31.86	(29.89 - 33.90)	21.77	(20.10 - 23.55)	44.57	(42.42 - 46.74)
Georgia	35.37	(32.28 - 38.59)	30.20	(26.79 - 33.85)	21.30	(18.48 - 24.41)	38.54	(34.71 - 42.51)
Hawaii	31.75	(28.62 - 35.06)	26.38	(22.82 - 30.28)	18.90	(16.00 - 22.18)	34.38	(30.61 - 38.35)
Idaho	33.15	(30.21 - 36.23)	32.33	(28.84 - 36.04)	20.91	(18.13 - 23.98)	35.50	(31.81 - 39.38)
Illinois	32.81	(31.22 - 34.44)	29.72	(27.79 - 31.73)	18.69	(17.15 - 20.33)	35.76	(33.75 - 37.82)
Indiana	33.20	(30.33 - 36.21)	34.29	(30.80 - 37.96)	17.84	(15.35 - 20.64)	35.72	(32.16 - 39.44)
Iowa	33.24	(30.11 - 36.52)	33.37	(29.87 - 37.06)	17.70	(15.22 - 20.48)	36.03	(32.14 - 40.11)
Kansas	34.85	(31.67 - 38.18)	31.61	(28.05 - 35.40)	17.94	(15.27 - 20.96)	38.51	(34.54 - 42.64)
Kentucky	38.14	(35.00 - 41.39)	39.48	(35.54 - 43.57)	24.10	(21.05 - 27.43)	40.22	(36.41 - 44.14)
Louisiana	40.54	(37.35 - 43.82)	35.14	(31.62 - 38.83)	24.59	(21.66 - 27.77)	44.31	(40.31 - 48.38)
Maine	25.13	(22.28 - 28.22)	26.52	(23.34 - 29.97)	12.79	(10.64 - 15.29)	26.74	(23.34 - 30.43)
Maryland	33.01	(29.52 - 36.70)	26.54	(22.95 - 30.47)	16.80	(14.11 - 19.88)	36.55	(32.23 - 41.09)
Massachusetts	24.96	(22.15 - 28.01)	20.44	(17.49 - 23.76)	11.03	(9.03 - 13.41)	27.95	(24.47 - 31.72)
Michigan	29.36	(27.80 - 30.98)	28.40	(26.64 - 30.23)	16.21	(14.78 - 17.74)	31.75	(29.77 - 33.80)
Minnesota	27.72	(24.84 - 30.80)	28.73	(25.40 - 32.31)	15.82	(13.52 - 18.43)	29.65	(26.11 - 33.44)
Mississippi	45.18	(41.96 - 48.45)	41.61	(37.57 - 45.77)	27.86	(24.56 - 31.41)	48.92	(44.87 - 52.99)
Missouri	34.16	(31.14 - 37.31)	31.67	(28.33 - 35.21)	19.19	(16.57 - 22.11)	36.99	(33.24 - 40.91)
Montana	27.58	(24.77 - 30.58)	26.18	(23.03 - 29.60)	13.20	(11.05 - 15.70)	30.24	(26.78 - 33.95)

(continued)

Table B.4 Perceptions of Great Risk of Smoking Marijuana Once a Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	34.47	(31.32 - 37.76)	36.34	(32.54 - 40.32)	17.72	(15.22 - 20.53)	37.46	(33.52 - 41.58)
Nevada	31.64	(28.54 - 34.93)	29.66	(25.78 - 33.86)	19.31	(16.57 - 22.37)	33.79	(29.99 - 37.82)
New Hampshire	24.05	(21.25 - 27.09)	22.33	(19.22 - 25.77)	10.99	(9.08 - 13.24)	26.32	(22.88 - 30.07)
New Jersey	34.07	(30.89 - 37.39)	26.87	(23.65 - 30.36)	17.03	(14.39 - 20.03)	37.57	(33.71 - 41.59)
New Mexico	36.17	(32.88 - 39.59)	26.49	(23.14 - 30.14)	19.16	(16.40 - 22.25)	40.53	(36.42 - 44.79)
New York	32.77	(31.10 - 34.49)	26.59	(24.69 - 28.58)	17.92	(16.33 - 19.62)	36.14	(34.04 - 38.29)
North Carolina	33.32	(30.25 - 36.53)	27.56	(24.23 - 31.15)	19.21	(16.56 - 22.19)	36.37	(32.58 - 40.33)
North Dakota	35.80	(32.83 - 38.87)	35.51	(31.77 - 39.43)	20.10	(17.50 - 22.98)	39.48	(35.69 - 43.40)
Ohio	32.47	(30.78 - 34.20)	31.33	(29.47 - 33.26)	17.18	(15.79 - 18.66)	35.11	(32.99 - 37.29)
Oklahoma	36.43	(33.25 - 39.74)	33.30	(29.59 - 37.24)	20.60	(17.76 - 23.75)	39.76	(35.78 - 43.88)
Oregon	22.71	(20.01 - 25.66)	24.28	(21.19 - 27.66)	11.75	(9.67 - 14.21)	24.29	(21.03 - 27.87)
Pennsylvania	32.93	(31.17 - 34.75)	29.41	(27.43 - 31.47)	16.62	(15.08 - 18.28)	36.03	(33.83 - 38.29)
Rhode Island	26.90	(23.84 - 30.20)	24.53	(21.15 - 28.26)	12.09	(9.90 - 14.68)	29.97	(26.15 - 34.10)
South Carolina	38.58	(35.20 - 42.08)	30.94	(27.58 - 34.52)	20.86	(18.03 - 24.02)	42.44	(38.27 - 46.71)
South Dakota	35.85	(32.62 - 39.21)	34.30	(30.45 - 38.37)	18.54	(15.80 - 21.64)	39.21	(35.21 - 43.35)
Tennessee	37.04	(33.57 - 40.64)	31.96	(28.61 - 35.51)	18.65	(15.93 - 21.72)	40.53	(36.26 - 44.95)
Texas	40.40	(38.66 - 42.16)	35.65	(33.58 - 37.76)	25.32	(23.61 - 27.12)	43.96	(41.71 - 46.24)
Utah	37.59	(34.69 - 40.58)	44.80	(40.81 - 48.85)	25.32	(22.15 - 28.77)	39.42	(35.63 - 43.35)
Vermont	22.73	(19.93 - 25.80)	23.35	(20.16 - 26.88)	10.51	(8.60 - 12.79)	24.77	(21.32 - 28.59)
Virginia	32.65	(29.53 - 35.94)	26.95	(23.68 - 30.49)	18.40	(15.76 - 21.36)	35.82	(31.96 - 39.89)
Washington	24.31	(21.50 - 27.37)	28.04	(24.73 - 31.60)	13.77	(11.57 - 16.31)	25.59	(22.18 - 29.34)
West Virginia	39.95	(36.69 - 43.31)	35.75	(32.14 - 39.53)	21.16	(18.41 - 24.18)	43.22	(39.23 - 47.31)
Wisconsin	29.91	(27.00 - 33.00)	32.53	(29.15 - 36.10)	15.91	(13.52 - 18.64)	32.04	(28.45 - 35.85)
Wyoming	33.76	(30.68 - 36.99)	36.98	(33.04 - 41.10)	20.06	(17.23 - 23.23)	35.88	(32.02 - 39.94)

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.5 First Use of Marijuana, by Age Group and State: Average Annual Rates Based on 2009 and 2010 NSDUHs

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	1.82	(1.76 - 1.89)	5.93	(5.69 - 6.17)	7.29	(6.94 - 7.66)	0.16	(0.12 - 0.20)
Northeast	1.94	(1.84 - 2.06)	6.24	(5.87 - 6.63)	8.43	(7.82 - 9.09)	0.15	(0.11 - 0.21)
Midwest	1.83	(1.75 - 1.92)	5.71	(5.44 - 6.00)	7.46	(7.03 - 7.91)	0.14	(0.10 - 0.19)
South	1.62	(1.54 - 1.70)	5.34	(5.08 - 5.62)	6.58	(6.19 - 7.00)	0.14	(0.10 - 0.20)
West	2.07	(1.95 - 2.20)	6.82	(6.39 - 7.28)	7.49	(6.90 - 8.13)	0.20	(0.14 - 0.28)
Alabama	1.42	(1.22 - 1.66)	4.54	(3.76 - 5.47)	5.74	(4.64 - 7.08)	0.13	(0.09 - 0.20)
Alaska	2.57	(2.20 - 3.01)	6.87	(5.73 - 8.21)	8.16	(6.47 - 10.24)	0.24	(0.15 - 0.38)
Arizona	1.79	(1.54 - 2.08)	6.33	(5.24 - 7.62)	6.35	(5.16 - 7.81)	0.17	(0.11 - 0.27)
Arkansas	1.49	(1.29 - 1.73)	5.00	(4.11 - 6.08)	6.25	(5.05 - 7.71)	0.14	(0.09 - 0.21)
California	2.09	(1.92 - 2.28)	6.88	(6.24 - 7.58)	7.40	(6.53 - 8.39)	0.20	(0.13 - 0.31)
Colorado	2.78	(2.39 - 3.22)	9.31	(7.83 - 11.03)	9.61	(7.77 - 11.83)	0.21	(0.13 - 0.34)
Connecticut	2.27	(1.96 - 2.64)	7.23	(6.06 - 8.60)	10.51	(8.60 - 12.78)	0.15	(0.09 - 0.24)
Delaware	2.19	(1.90 - 2.52)	7.25	(6.10 - 8.58)	9.24	(7.64 - 11.14)	0.14	(0.09 - 0.22)
District of Columbia	2.44	(2.11 - 2.82)	7.53	(6.27 - 9.02)	9.44	(7.75 - 11.46)	0.20	(0.13 - 0.32)
Florida	1.46	(1.33 - 1.60)	5.69	(5.11 - 6.33)	6.40	(5.64 - 7.26)	0.14	(0.09 - 0.21)
Georgia	1.88	(1.64 - 2.17)	6.09	(5.10 - 7.26)	6.58	(5.41 - 7.98)	0.15	(0.10 - 0.23)
Hawaii	1.87	(1.58 - 2.23)	6.85	(5.54 - 8.43)	8.24	(6.49 - 10.40)	0.21	(0.10 - 0.43)
Idaho	1.97	(1.72 - 2.26)	5.71	(4.77 - 6.83)	7.52	(6.18 - 9.12)	0.16	(0.11 - 0.25)
Illinois	1.84	(1.68 - 2.01)	5.67	(5.09 - 6.30)	7.69	(6.82 - 8.66)	0.14	(0.10 - 0.20)
Indiana	1.73	(1.50 - 1.99)	5.64	(4.69 - 6.76)	7.02	(5.72 - 8.59)	0.13	(0.09 - 0.20)
Iowa	1.79	(1.55 - 2.06)	5.97	(4.99 - 7.12)	7.04	(5.78 - 8.56)	0.13	(0.09 - 0.20)
Kansas	1.71	(1.47 - 1.99)	5.61	(4.67 - 6.72)	6.48	(5.22 - 8.03)	0.14	(0.09 - 0.22)
Kentucky	1.50	(1.29 - 1.74)	5.15	(4.23 - 6.26)	6.18	(5.01 - 7.60)	0.15	(0.10 - 0.24)
Louisiana	1.36	(1.17 - 1.58)	4.11	(3.34 - 5.04)	5.59	(4.50 - 6.91)	0.14	(0.09 - 0.23)
Maine	1.82	(1.58 - 2.10)	5.93	(4.99 - 7.05)	9.05	(7.39 - 11.04)	0.16	(0.10 - 0.24)
Maryland	1.83	(1.56 - 2.14)	5.59	(4.59 - 6.80)	8.01	(6.49 - 9.85)	0.12	(0.08 - 0.19)
Massachusetts	2.45	(2.12 - 2.82)	8.02	(6.84 - 9.38)	9.82	(7.96 - 12.07)	0.18	(0.12 - 0.29)
Michigan	2.19	(2.01 - 2.38)	6.04	(5.46 - 6.67)	8.93	(7.99 - 9.96)	0.15	(0.10 - 0.22)
Minnesota	1.85	(1.60 - 2.15)	5.42	(4.49 - 6.53)	7.65	(6.27 - 9.30)	0.14	(0.09 - 0.22)
Mississippi	1.38	(1.19 - 1.61)	4.16	(3.40 - 5.08)	5.29	(4.29 - 6.51)	0.13	(0.08 - 0.22)
Missouri	1.66	(1.44 - 1.92)	5.61	(4.71 - 6.67)	6.50	(5.29 - 7.97)	0.14	(0.09 - 0.22)
Montana	2.53	(2.20 - 2.91)	7.53	(6.40 - 8.83)	11.68	(9.70 - 14.01)	0.18	(0.12 - 0.30)

(continued)

Table B.5 First Use of Marijuana, by Age Group and State: Average Annual Rates Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	1.55	(1.34 - 1.80)	4.52	(3.74 - 5.45)	6.44	(5.24 - 7.89)	0.13	(0.08 - 0.22)
Nevada	1.80	(1.55 - 2.09)	6.51	(5.40 - 7.84)	6.37	(5.12 - 7.91)	0.18	(0.12 - 0.27)
New Hampshire	2.53	(2.17 - 2.95)	7.42	(6.23 - 8.81)	10.61	(8.71 - 12.87)	0.17	(0.10 - 0.27)
New Jersey	1.85	(1.61 - 2.13)	6.00	(5.05 - 7.12)	8.72	(7.10 - 10.66)	0.15	(0.09 - 0.22)
New Mexico	2.22	(1.92 - 2.56)	8.27	(7.02 - 9.73)	8.12	(6.61 - 9.94)	0.24	(0.13 - 0.42)
New York	1.82	(1.66 - 1.99)	5.71	(5.13 - 6.34)	7.43	(6.54 - 8.43)	0.16	(0.11 - 0.24)
North Carolina	1.60	(1.39 - 1.85)	5.36	(4.46 - 6.43)	6.85	(5.59 - 8.37)	0.13	(0.09 - 0.20)
North Dakota	1.60	(1.37 - 1.86)	4.52	(3.70 - 5.52)	6.14	(4.98 - 7.53)	0.13	(0.08 - 0.21)
Ohio	1.81	(1.67 - 1.96)	5.68	(5.14 - 6.27)	7.59	(6.81 - 8.45)	0.14	(0.09 - 0.20)
Oklahoma	1.60	(1.37 - 1.87)	5.55	(4.56 - 6.74)	6.07	(4.87 - 7.54)	0.16	(0.10 - 0.25)
Oregon	2.23	(1.92 - 2.57)	7.49	(6.37 - 8.78)	9.06	(7.30 - 11.19)	0.20	(0.13 - 0.30)
Pennsylvania	1.79	(1.64 - 1.96)	5.81	(5.23 - 6.45)	8.27	(7.31 - 9.35)	0.13	(0.08 - 0.19)
Rhode Island	2.42	(2.07 - 2.83)	7.17	(6.00 - 8.56)	10.13	(8.09 - 12.61)	0.19	(0.11 - 0.32)
South Carolina	1.54	(1.33 - 1.79)	4.89	(4.01 - 5.93)	7.07	(5.75 - 8.66)	0.13	(0.08 - 0.20)
South Dakota	1.62	(1.39 - 1.89)	4.84	(3.95 - 5.90)	7.04	(5.72 - 8.64)	0.14	(0.09 - 0.22)
Tennessee	1.39	(1.20 - 1.61)	4.26	(3.52 - 5.14)	6.65	(5.43 - 8.14)	0.13	(0.09 - 0.21)
Texas	1.75	(1.60 - 1.91)	5.48	(4.91 - 6.11)	6.48	(5.76 - 7.29)	0.16	(0.11 - 0.24)
Utah	1.36	(1.13 - 1.62)	4.03	(3.20 - 5.06)	3.96	(3.02 - 5.18)	0.16	(0.08 - 0.32)
Vermont	2.70	(2.32 - 3.15)	8.21	(6.91 - 9.72)	12.47	(10.16 - 15.20)	0.17	(0.10 - 0.29)
Virginia	1.81	(1.58 - 2.09)	5.64	(4.74 - 6.70)	7.65	(6.28 - 9.27)	0.14	(0.09 - 0.21)
Washington	2.10	(1.81 - 2.43)	6.21	(5.16 - 7.45)	9.37	(7.65 - 11.43)	0.19	(0.13 - 0.29)
West Virginia	1.42	(1.22 - 1.64)	5.56	(4.62 - 6.67)	6.40	(5.16 - 7.92)	0.14	(0.09 - 0.23)
Wisconsin	1.82	(1.59 - 2.10)	6.36	(5.37 - 7.52)	7.04	(5.69 - 8.68)	0.13	(0.09 - 0.21)
Wyoming	2.03	(1.76 - 2.35)	6.59	(5.51 - 7.87)	7.97	(6.49 - 9.75)	0.16	(0.10 - 0.25)

NOTE: Average annual marijuana initiation rate = $100 * \{ [X_1 + (0.5 * X_1 + X_2)] + 2 \}$, where X_1 is the number of marijuana initiates in the past 24 months and X_2 is the number of persons who never used marijuana. Both of the computation components, X_1 and X_2 , are based on a survey-weighted hierarchical Bayes estimation approach. Note that the age group is based on a respondent's age at the time of the interview, not his or her age at first use.

NOTE: The State and census region Bayesian confidence (credible) intervals presented above use a simultaneous solution for the First Use of Marijuana and Never Used Marijuana outcomes, which had age group-specific random effects that were allowed to be correlated across the two outcomes. The associated Markov Chain Monte Carlo chains were used to calculate the posterior variance. For the "Total U.S." row, design based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.6 *Illicit Drug Use Other Than Marijuana in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	3.60	(3.45 - 3.77)	4.52	(4.26 - 4.79)	8.16	(7.81 - 8.53)	2.69	(2.51 - 2.89)
Northeast	3.65	(3.35 - 3.98)	4.02	(3.62 - 4.47)	8.96	(8.26 - 9.71)	2.71	(2.37 - 3.10)
Midwest	3.31	(3.09 - 3.56)	4.49	(4.14 - 4.87)	8.00	(7.48 - 8.55)	2.35	(2.09 - 2.64)
South	3.51	(3.28 - 3.75)	4.47	(4.14 - 4.83)	7.60	(7.10 - 8.12)	2.69	(2.42 - 2.98)
West	3.98	(3.63 - 4.37)	4.99	(4.49 - 5.54)	8.56	(7.84 - 9.33)	3.02	(2.61 - 3.49)
Alabama	3.31	(2.58 - 4.24)	4.96	(3.90 - 6.30)	7.53	(5.74 - 9.82)	2.38	(1.64 - 3.44)
Alaska	3.98	(3.04 - 5.20)	3.79	(2.88 - 4.98)	7.91	(6.01 - 10.35)	3.24	(2.23 - 4.68)
Arizona	4.31	(3.32 - 5.59)	4.87	(3.75 - 6.31)	8.63	(6.68 - 11.08)	3.51	(2.43 - 5.05)
Arkansas	4.00	(3.14 - 5.08)	5.01	(3.93 - 6.38)	8.58	(6.72 - 10.90)	3.11	(2.20 - 4.39)
California	3.80	(3.29 - 4.38)	5.22	(4.47 - 6.08)	7.99	(6.94 - 9.19)	2.81	(2.24 - 3.52)
Colorado	4.17	(3.30 - 5.27)	4.63	(3.58 - 5.96)	9.75	(7.83 - 12.07)	3.16	(2.24 - 4.43)
Connecticut	3.77	(2.91 - 4.88)	4.16	(3.20 - 5.39)	9.07	(7.08 - 11.54)	2.86	(1.97 - 4.14)
Delaware	3.66	(2.85 - 4.70)	4.69	(3.64 - 6.02)	8.75	(6.88 - 11.07)	2.70	(1.85 - 3.92)
District of Columbia	4.65	(3.57 - 6.04)	4.37	(3.32 - 5.72)	7.80	(6.03 - 10.04)	3.99	(2.79 - 5.66)
Florida	3.47	(2.98 - 4.03)	4.47	(3.79 - 5.26)	7.13	(6.10 - 8.30)	2.81	(2.27 - 3.48)
Georgia	3.26	(2.53 - 4.19)	4.01	(3.12 - 5.14)	7.23	(5.61 - 9.29)	2.46	(1.69 - 3.59)
Hawaii	3.56	(2.70 - 4.68)	4.59	(3.40 - 6.16)	7.88	(5.87 - 10.52)	2.76	(1.88 - 4.05)
Idaho	3.91	(3.08 - 4.95)	4.61	(3.60 - 5.90)	8.49	(6.72 - 10.67)	2.98	(2.09 - 4.22)
Illinois	3.27	(2.85 - 3.77)	4.62	(3.93 - 5.43)	8.02	(6.97 - 9.21)	2.24	(1.77 - 2.84)
Indiana	3.45	(2.70 - 4.39)	4.77	(3.72 - 6.11)	7.91	(6.18 - 10.07)	2.51	(1.74 - 3.60)
Iowa	2.38	(1.80 - 3.14)	4.90	(3.70 - 6.46)	5.78	(4.26 - 7.81)	1.46	(0.90 - 2.36)
Kansas	3.41	(2.68 - 4.33)	4.42	(3.43 - 5.67)	8.11	(6.29 - 10.39)	2.38	(1.64 - 3.43)
Kentucky	3.42	(2.68 - 4.34)	4.62	(3.55 - 5.99)	8.17	(6.40 - 10.37)	2.52	(1.76 - 3.59)
Louisiana	4.14	(3.29 - 5.19)	4.20	(3.18 - 5.53)	9.56	(7.59 - 11.97)	3.09	(2.19 - 4.35)
Maine	3.65	(2.91 - 4.58)	4.30	(3.35 - 5.49)	10.90	(8.75 - 13.50)	2.56	(1.80 - 3.62)
Maryland	3.20	(2.39 - 4.27)	4.25	(3.24 - 5.57)	6.44	(4.78 - 8.63)	2.52	(1.68 - 3.76)
Massachusetts	4.24	(3.38 - 5.30)	4.25	(3.26 - 5.51)	11.20	(9.06 - 13.78)	3.00	(2.12 - 4.23)
Michigan	3.77	(3.29 - 4.31)	4.41	(3.77 - 5.16)	8.53	(7.50 - 9.69)	2.87	(2.32 - 3.53)
Minnesota	2.84	(2.18 - 3.69)	3.60	(2.74 - 4.71)	7.09	(5.49 - 9.11)	2.01	(1.35 - 3.00)
Mississippi	3.38	(2.66 - 4.30)	5.47	(4.24 - 7.02)	7.62	(5.96 - 9.68)	2.30	(1.56 - 3.39)
Missouri	2.99	(2.30 - 3.86)	4.15	(3.25 - 5.30)	7.46	(5.76 - 9.61)	2.09	(1.40 - 3.11)
Montana	3.15	(2.46 - 4.02)	4.59	(3.60 - 5.83)	7.68	(5.98 - 9.80)	2.19	(1.49 - 3.21)

(continued)

Table B.6 Illicit Drug Use Other Than Marijuana in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	2.98	(2.29 - 3.88)	4.07	(3.14 - 5.27)	6.51	(4.98 - 8.48)	2.16	(1.46 - 3.20)
Nevada	4.70	(3.68 - 5.99)	5.10	(3.89 - 6.66)	10.40	(8.29 - 12.98)	3.78	(2.66 - 5.35)
New Hampshire	4.65	(3.69 - 5.84)	4.39	(3.35 - 5.73)	12.60	(10.33 - 15.29)	3.42	(2.41 - 4.83)
New Jersey	3.33	(2.55 - 4.33)	3.56	(2.67 - 4.73)	8.26	(6.45 - 10.52)	2.54	(1.73 - 3.72)
New Mexico	4.00	(3.14 - 5.08)	5.48	(4.29 - 6.97)	8.74	(6.84 - 11.11)	2.94	(2.03 - 4.23)
New York	3.70	(3.18 - 4.29)	4.01	(3.36 - 4.78)	8.44	(7.34 - 9.68)	2.82	(2.24 - 3.54)
North Carolina	3.42	(2.68 - 4.37)	4.15	(3.23 - 5.32)	7.72	(6.03 - 9.83)	2.62	(1.83 - 3.74)
North Dakota	2.37	(1.79 - 3.13)	4.28	(3.20 - 5.70)	5.12	(3.75 - 6.95)	1.50	(0.94 - 2.39)
Ohio	3.48	(3.04 - 3.98)	4.64	(3.99 - 5.39)	8.70	(7.71 - 9.80)	2.48	(1.98 - 3.09)
Oklahoma	4.57	(3.59 - 5.80)	4.60	(3.54 - 5.96)	10.43	(8.15 - 13.26)	3.48	(2.46 - 4.91)
Oregon	4.38	(3.44 - 5.55)	5.52	(4.30 - 7.06)	9.95	(7.85 - 12.53)	3.35	(2.36 - 4.74)
Pennsylvania	3.21	(2.75 - 3.75)	4.07	(3.44 - 4.82)	7.99	(6.89 - 9.25)	2.33	(1.83 - 2.96)
Rhode Island	4.75	(3.71 - 6.05)	5.05	(3.92 - 6.49)	11.24	(8.89 - 14.11)	3.48	(2.41 - 5.02)
South Carolina	3.90	(2.92 - 5.19)	4.01	(3.05 - 5.25)	6.96	(5.20 - 9.25)	3.37	(2.29 - 4.94)
South Dakota	2.39	(1.78 - 3.22)	4.41	(3.27 - 5.93)	5.27	(3.77 - 7.33)	1.62	(1.00 - 2.60)
Tennessee	3.70	(2.87 - 4.77)	4.52	(3.55 - 5.73)	8.16	(6.34 - 10.44)	2.91	(2.03 - 4.15)
Texas	3.26	(2.83 - 3.76)	4.67	(3.96 - 5.49)	6.87	(5.92 - 7.96)	2.37	(1.89 - 2.98)
Utah	3.65	(2.89 - 4.60)	3.97	(3.05 - 5.14)	7.94	(6.23 - 10.06)	2.54	(1.75 - 3.67)
Vermont	4.57	(3.66 - 5.69)	4.10	(3.16 - 5.30)	12.73	(10.35 - 15.56)	3.21	(2.27 - 4.52)
Virginia	3.54	(2.75 - 4.54)	4.28	(3.34 - 5.46)	8.06	(6.35 - 10.19)	2.66	(1.84 - 3.85)
Washington	4.42	(3.48 - 5.60)	4.40	(3.39 - 5.69)	10.29	(8.18 - 12.87)	3.47	(2.47 - 4.85)
West Virginia	4.18	(3.29 - 5.30)	4.57	(3.53 - 5.89)	10.61	(8.57 - 13.06)	3.17	(2.24 - 4.48)
Wisconsin	3.71	(2.92 - 4.71)	4.87	(3.80 - 6.22)	9.68	(7.57 - 12.30)	2.53	(1.74 - 3.67)
Wyoming	3.27	(2.55 - 4.20)	4.98	(3.84 - 6.42)	7.41	(5.71 - 9.56)	2.31	(1.56 - 3.40)

NOTE: Illicit Drugs Other Than Marijuana include cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.7 Cocaine Use in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	1.85	(1.74 - 1.97)	0.98	(0.86 - 1.12)	5.00	(4.73 - 5.29)	1.41	(1.28 - 1.55)
Northeast	2.26	(2.02 - 2.52)	0.96	(0.80 - 1.15)	6.34	(5.72 - 7.02)	1.72	(1.46 - 2.03)
Midwest	1.54	(1.39 - 1.71)	0.93	(0.79 - 1.09)	4.27	(3.87 - 4.71)	1.14	(0.97 - 1.35)
South	1.66	(1.51 - 1.83)	0.89	(0.76 - 1.04)	4.25	(3.84 - 4.69)	1.32	(1.14 - 1.52)
West	2.10	(1.87 - 2.36)	1.20	(0.98 - 1.46)	5.80	(5.20 - 6.48)	1.55	(1.29 - 1.85)
Alabama	1.04	(0.66 - 1.61)	0.67	(0.45 - 1.01)	2.61	(1.68 - 4.04)	0.81	(0.45 - 1.46)
Alaska	2.31	(1.64 - 3.25)	0.88	(0.57 - 1.36)	5.90	(4.29 - 8.07)	1.81	(1.10 - 2.97)
Arizona	1.95	(1.36 - 2.80)	1.11	(0.77 - 1.60)	5.62	(4.08 - 7.69)	1.44	(0.88 - 2.37)
Arkansas	1.14	(0.76 - 1.71)	0.85	(0.57 - 1.27)	2.84	(1.89 - 4.24)	0.90	(0.52 - 1.53)
California	2.11	(1.75 - 2.53)	1.28	(0.96 - 1.70)	5.64	(4.73 - 6.72)	1.55	(1.17 - 2.04)
Colorado	3.06	(2.29 - 4.07)	1.15	(0.78 - 1.70)	8.44	(6.52 - 10.87)	2.36	(1.58 - 3.51)
Connecticut	1.69	(1.18 - 2.42)	1.04	(0.70 - 1.53)	5.13	(3.68 - 7.11)	1.21	(0.72 - 2.01)
Delaware	1.80	(1.26 - 2.57)	0.87	(0.59 - 1.27)	4.88	(3.50 - 6.78)	1.41	(0.88 - 2.25)
District of Columbia	3.13	(2.21 - 4.42)	0.38	(0.24 - 0.60)	4.26	(3.03 - 5.96)	3.13	(2.06 - 4.73)
Florida	1.85	(1.51 - 2.26)	0.88	(0.66 - 1.16)	5.05	(4.21 - 6.04)	1.47	(1.11 - 1.95)
Georgia	1.40	(0.94 - 2.08)	0.68	(0.46 - 1.01)	3.42	(2.35 - 4.94)	1.15	(0.69 - 1.91)
Hawaii	1.58	(1.08 - 2.32)	0.87	(0.55 - 1.38)	4.36	(2.99 - 6.31)	1.22	(0.73 - 2.03)
Idaho	1.07	(0.74 - 1.55)	1.03	(0.69 - 1.54)	3.55	(2.45 - 5.11)	0.63	(0.35 - 1.13)
Illinois	1.73	(1.42 - 2.09)	0.86	(0.65 - 1.14)	4.48	(3.75 - 5.34)	1.34	(1.01 - 1.77)
Indiana	1.16	(0.79 - 1.71)	0.90	(0.61 - 1.32)	3.37	(2.32 - 4.86)	0.82	(0.47 - 1.42)
Iowa	1.02	(0.69 - 1.51)	1.12	(0.72 - 1.71)	3.02	(2.04 - 4.47)	0.65	(0.35 - 1.19)
Kansas	1.58	(1.12 - 2.25)	1.07	(0.74 - 1.54)	4.56	(3.25 - 6.36)	1.08	(0.66 - 1.79)
Kentucky	1.26	(0.86 - 1.84)	1.05	(0.70 - 1.58)	3.71	(2.56 - 5.35)	0.89	(0.52 - 1.53)
Louisiana	1.65	(1.15 - 2.37)	0.72	(0.49 - 1.06)	3.68	(2.60 - 5.19)	1.39	(0.87 - 2.22)
Maine	1.99	(1.47 - 2.70)	1.05	(0.71 - 1.55)	6.94	(5.24 - 9.12)	1.39	(0.89 - 2.16)
Maryland	1.78	(1.20 - 2.64)	0.80	(0.54 - 1.20)	4.28	(2.99 - 6.08)	1.48	(0.90 - 2.44)
Massachusetts	2.97	(2.22 - 3.95)	0.99	(0.67 - 1.47)	8.12	(6.31 - 10.40)	2.28	(1.53 - 3.39)
Michigan	1.66	(1.36 - 2.02)	0.86	(0.67 - 1.12)	4.54	(3.80 - 5.42)	1.27	(0.95 - 1.70)
Minnesota	1.25	(0.86 - 1.82)	0.91	(0.61 - 1.34)	3.65	(2.56 - 5.19)	0.88	(0.51 - 1.50)
Mississippi	1.62	(1.11 - 2.37)	0.61	(0.41 - 0.92)	3.40	(2.38 - 4.85)	1.43	(0.89 - 2.30)
Missouri	1.69	(1.19 - 2.39)	0.92	(0.63 - 1.34)	4.58	(3.30 - 6.32)	1.30	(0.82 - 2.07)
Montana	1.84	(1.34 - 2.54)	1.03	(0.71 - 1.50)	5.76	(4.27 - 7.72)	1.25	(0.79 - 1.98)

(continued)

Table B.7 Cocaine Use in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	1.39	(0.97 - 2.00)	1.02	(0.69 - 1.50)	3.89	(2.71 - 5.55)	0.96	(0.58 - 1.59)
Nevada	2.41	(1.74 - 3.33)	1.06	(0.70 - 1.58)	6.59	(5.00 - 8.64)	1.93	(1.25 - 2.98)
New Hampshire	2.73	(2.05 - 3.61)	1.08	(0.72 - 1.61)	8.63	(6.77 - 10.96)	1.98	(1.31 - 2.99)
New Jersey	2.21	(1.58 - 3.09)	0.93	(0.62 - 1.38)	5.99	(4.39 - 8.11)	1.79	(1.15 - 2.77)
New Mexico	2.42	(1.79 - 3.26)	1.29	(0.87 - 1.92)	6.75	(5.09 - 8.89)	1.77	(1.15 - 2.71)
New York	2.25	(1.87 - 2.71)	0.97	(0.73 - 1.28)	6.42	(5.46 - 7.54)	1.67	(1.26 - 2.20)
North Carolina	1.82	(1.27 - 2.60)	0.83	(0.57 - 1.21)	4.37	(3.17 - 5.99)	1.51	(0.95 - 2.40)
North Dakota	0.97	(0.65 - 1.45)	1.00	(0.63 - 1.57)	2.69	(1.79 - 4.03)	0.58	(0.31 - 1.08)
Ohio	1.48	(1.20 - 1.83)	0.96	(0.73 - 1.25)	4.12	(3.44 - 4.92)	1.11	(0.81 - 1.54)
Oklahoma	1.37	(0.92 - 2.03)	1.05	(0.71 - 1.54)	4.02	(2.74 - 5.86)	0.92	(0.52 - 1.62)
Oregon	1.95	(1.43 - 2.66)	1.24	(0.86 - 1.78)	6.25	(4.63 - 8.39)	1.34	(0.86 - 2.08)
Pennsylvania	1.96	(1.60 - 2.39)	0.88	(0.66 - 1.17)	5.17	(4.26 - 6.25)	1.55	(1.17 - 2.06)
Rhode Island	2.90	(2.10 - 3.98)	1.07	(0.73 - 1.57)	7.41	(5.59 - 9.77)	2.26	(1.45 - 3.50)
South Carolina	2.11	(1.46 - 3.05)	0.68	(0.45 - 1.02)	4.14	(2.95 - 5.76)	1.95	(1.24 - 3.04)
South Dakota	1.14	(0.75 - 1.71)	0.88	(0.57 - 1.34)	3.27	(2.20 - 4.85)	0.78	(0.44 - 1.38)
Tennessee	1.22	(0.80 - 1.86)	0.91	(0.61 - 1.34)	2.99	(1.99 - 4.47)	0.98	(0.57 - 1.70)
Texas	1.76	(1.45 - 2.14)	1.13	(0.87 - 1.47)	4.70	(3.91 - 5.64)	1.30	(0.97 - 1.74)
Utah	1.31	(0.91 - 1.88)	1.08	(0.72 - 1.62)	3.43	(2.36 - 4.95)	0.83	(0.48 - 1.45)
Vermont	3.05	(2.34 - 3.98)	1.22	(0.80 - 1.85)	9.96	(7.81 - 12.62)	2.06	(1.37 - 3.11)
Virginia	1.84	(1.34 - 2.54)	0.85	(0.59 - 1.23)	4.99	(3.71 - 6.67)	1.42	(0.92 - 2.18)
Washington	2.10	(1.52 - 2.91)	1.05	(0.74 - 1.51)	6.31	(4.69 - 8.42)	1.54	(0.98 - 2.42)
West Virginia	1.86	(1.34 - 2.58)	0.95	(0.63 - 1.41)	5.86	(4.41 - 7.76)	1.36	(0.86 - 2.14)
Wisconsin	2.01	(1.45 - 2.79)	1.00	(0.69 - 1.46)	5.93	(4.39 - 7.96)	1.45	(0.92 - 2.30)
Wyoming	1.39	(0.96 - 2.01)	0.99	(0.67 - 1.46)	4.50	(3.20 - 6.31)	0.87	(0.47 - 1.57)

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.8 Nonmedical Use of Pain Relievers in Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	4.89	(4.70 - 5.07)	6.43	(6.13 - 6.75)	11.54	(11.12 - 11.97)	3.53	(3.32 - 3.76)
Northeast	4.50	(4.20 - 4.83)	5.41	(4.91 - 5.95)	11.99	(11.27 - 12.75)	3.13	(2.80 - 3.50)
Midwest	4.80	(4.55 - 5.08)	6.58	(6.16 - 7.02)	11.99	(11.38 - 12.63)	3.33	(3.04 - 3.64)
South	4.77	(4.50 - 5.05)	6.48	(6.06 - 6.92)	11.28	(10.71 - 11.87)	3.44	(3.14 - 3.76)
West	5.45	(5.05 - 5.89)	6.98	(6.37 - 7.63)	11.17	(10.41 - 11.98)	4.21	(3.73 - 4.74)
Alabama	4.62	(3.76 - 5.67)	7.29	(5.95 - 8.90)	11.08	(8.96 - 13.64)	3.18	(2.33 - 4.31)
Alaska	5.41	(4.38 - 6.65)	6.71	(5.23 - 8.58)	11.36	(9.20 - 13.96)	4.05	(2.98 - 5.48)
Arizona	6.31	(5.04 - 7.87)	7.58	(6.04 - 9.49)	12.68	(10.38 - 15.41)	5.07	(3.69 - 6.92)
Arkansas	5.51	(4.47 - 6.78)	7.48	(6.02 - 9.27)	12.39	(10.23 - 14.93)	4.13	(3.05 - 5.58)
California	4.95	(4.38 - 5.58)	6.61	(5.74 - 7.61)	9.68	(8.54 - 10.95)	3.82	(3.18 - 4.58)
Colorado	6.23	(5.06 - 7.65)	7.23	(5.80 - 8.98)	13.51	(11.25 - 16.15)	4.86	(3.61 - 6.51)
Connecticut	4.12	(3.29 - 5.15)	5.00	(3.91 - 6.38)	11.08	(9.00 - 13.58)	2.88	(2.06 - 4.01)
Delaware	5.56	(4.50 - 6.85)	6.19	(4.95 - 7.71)	13.70	(11.42 - 16.36)	4.14	(3.04 - 5.63)
District of Columbia	4.29	(3.37 - 5.44)	4.67	(3.59 - 6.06)	8.23	(6.55 - 10.30)	3.39	(2.43 - 4.70)
Florida	4.37	(3.82 - 4.99)	6.00	(5.19 - 6.92)	9.76	(8.57 - 11.10)	3.38	(2.78 - 4.10)
Georgia	4.27	(3.47 - 5.25)	6.04	(4.83 - 7.51)	10.47	(8.53 - 12.79)	2.95	(2.16 - 4.01)
Hawaii	4.22	(3.29 - 5.39)	5.35	(4.03 - 7.05)	9.25	(7.29 - 11.67)	3.30	(2.33 - 4.65)
Idaho	6.09	(5.01 - 7.39)	7.52	(6.08 - 9.26)	13.20	(10.96 - 15.81)	4.59	(3.43 - 6.13)
Illinois	3.94	(3.48 - 4.46)	5.47	(4.69 - 6.37)	10.04	(8.92 - 11.28)	2.64	(2.15 - 3.24)
Indiana	5.73	(4.75 - 6.89)	7.57	(6.14 - 9.29)	14.75	(12.34 - 17.53)	3.93	(2.95 - 5.21)
Iowa	3.69	(2.97 - 4.59)	6.41	(5.08 - 8.06)	9.10	(7.19 - 11.46)	2.39	(1.69 - 3.36)
Kansas	4.71	(3.87 - 5.71)	6.81	(5.48 - 8.44)	11.15	(9.02 - 13.71)	3.20	(2.37 - 4.29)
Kentucky	5.36	(4.42 - 6.49)	7.54	(6.09 - 9.30)	13.67	(11.37 - 16.36)	3.78	(2.83 - 5.02)
Louisiana	5.67	(4.68 - 6.86)	6.39	(5.10 - 7.96)	13.93	(11.61 - 16.63)	4.00	(2.99 - 5.33)
Maine	4.51	(3.66 - 5.55)	6.01	(4.77 - 7.55)	13.81	(11.42 - 16.62)	3.03	(2.20 - 4.16)
Maryland	4.23	(3.33 - 5.36)	5.80	(4.60 - 7.29)	10.17	(8.12 - 12.66)	3.03	(2.14 - 4.26)
Massachusetts	5.07	(4.17 - 6.15)	5.61	(4.45 - 7.04)	13.12	(10.89 - 15.73)	3.58	(2.69 - 4.75)
Michigan	5.53	(4.93 - 6.20)	6.40	(5.58 - 7.33)	13.41	(12.16 - 14.78)	4.06	(3.38 - 4.88)
Minnesota	4.09	(3.29 - 5.09)	5.73	(4.53 - 7.22)	10.79	(8.76 - 13.23)	2.74	(1.96 - 3.83)
Mississippi	5.10	(4.16 - 6.24)	8.52	(6.88 - 10.52)	11.06	(8.99 - 13.53)	3.51	(2.56 - 4.80)
Missouri	5.13	(4.23 - 6.22)	6.77	(5.47 - 8.34)	13.22	(10.90 - 15.96)	3.57	(2.66 - 4.76)
Montana	5.07	(4.17 - 6.16)	7.09	(5.74 - 8.72)	12.31	(10.15 - 14.85)	3.58	(2.65 - 4.82)

(continued)

Table B.8 Nonmedical Use of Pain Relievers in Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	3.91	(3.16 - 4.83)	5.61	(4.44 - 7.06)	9.38	(7.57 - 11.58)	2.64	(1.92 - 3.62)
Nevada	5.96	(4.85 - 7.30)	7.74	(6.11 - 9.77)	13.22	(10.94 - 15.89)	4.62	(3.45 - 6.17)
New Hampshire	5.38	(4.39 - 6.57)	6.20	(4.88 - 7.85)	14.90	(12.52 - 17.65)	3.78	(2.77 - 5.12)
New Jersey	4.15	(3.35 - 5.13)	4.95	(3.86 - 6.33)	11.97	(9.80 - 14.54)	2.85	(2.06 - 3.92)
New Mexico	5.78	(4.66 - 7.15)	8.29	(6.68 - 10.25)	11.17	(9.15 - 13.56)	4.47	(3.26 - 6.09)
New York	4.45	(3.94 - 5.02)	5.26	(4.47 - 6.18)	11.55	(10.33 - 12.91)	3.09	(2.54 - 3.75)
North Carolina	4.54	(3.67 - 5.60)	6.89	(5.58 - 8.47)	10.58	(8.64 - 12.90)	3.25	(2.38 - 4.41)
North Dakota	4.11	(3.33 - 5.07)	6.66	(5.32 - 8.31)	9.05	(7.27 - 11.22)	2.66	(1.90 - 3.70)
Ohio	5.48	(4.93 - 6.09)	7.62	(6.74 - 8.61)	13.59	(12.34 - 14.95)	3.89	(3.27 - 4.62)
Oklahoma	7.01	(5.71 - 8.58)	7.94	(6.39 - 9.83)	15.65	(12.93 - 18.82)	5.30	(3.94 - 7.10)
Oregon	6.68	(5.46 - 8.15)	7.86	(6.39 - 9.64)	14.71	(12.26 - 17.55)	5.26	(3.96 - 6.97)
Pennsylvania	4.40	(3.87 - 5.00)	5.75	(4.94 - 6.68)	11.55	(10.30 - 12.94)	3.07	(2.50 - 3.76)
Rhode Island	5.93	(4.82 - 7.28)	6.29	(4.99 - 7.91)	14.64	(12.13 - 17.57)	4.24	(3.12 - 5.74)
South Carolina	5.06	(4.08 - 6.26)	6.06	(4.87 - 7.51)	12.30	(10.07 - 14.95)	3.74	(2.74 - 5.09)
South Dakota	3.64	(2.88 - 4.59)	6.08	(4.76 - 7.72)	8.48	(6.66 - 10.74)	2.45	(1.71 - 3.51)
Tennessee	4.44	(3.60 - 5.46)	6.19	(4.99 - 7.65)	11.90	(9.72 - 14.50)	3.05	(2.22 - 4.18)
Texas	4.62	(4.09 - 5.21)	6.10	(5.26 - 7.07)	10.60	(9.40 - 11.93)	3.26	(2.68 - 3.96)
Utah	4.92	(4.06 - 5.96)	6.57	(5.19 - 8.29)	10.31	(8.33 - 12.69)	3.31	(2.45 - 4.47)
Vermont	4.85	(3.94 - 5.95)	6.00	(4.81 - 7.45)	13.34	(11.11 - 15.94)	3.26	(2.36 - 4.50)
Virginia	5.13	(4.21 - 6.23)	6.97	(5.63 - 8.61)	12.48	(10.34 - 14.98)	3.62	(2.70 - 4.85)
Washington	6.20	(5.11 - 7.51)	7.48	(6.09 - 9.15)	14.44	(12.11 - 17.13)	4.70	(3.54 - 6.22)
West Virginia	5.61	(4.59 - 6.84)	7.25	(5.85 - 8.95)	14.39	(12.12 - 17.00)	4.11	(3.06 - 5.51)
Wisconsin	4.56	(3.68 - 5.64)	7.12	(5.75 - 8.79)	11.64	(9.42 - 14.31)	3.01	(2.14 - 4.21)
Wyoming	4.56	(3.69 - 5.64)	7.05	(5.61 - 8.83)	10.61	(8.64 - 12.98)	3.15	(2.27 - 4.36)

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.9 Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	51.84	(51.29 - 52.39)	14.23	(13.78 - 14.70)	61.59	(60.84 - 62.34)	54.88	(54.19 - 55.56)
Northeast	57.12	(55.79 - 58.44)	16.17	(15.31 - 17.07)	67.64	(65.81 - 69.41)	60.19	(58.65 - 61.71)
Midwest	54.66	(53.48 - 55.84)	14.20	(13.59 - 14.83)	64.95	(63.28 - 66.59)	57.98	(56.63 - 59.32)
South	47.78	(46.61 - 48.95)	13.40	(12.80 - 14.04)	57.73	(56.06 - 59.39)	50.41	(49.09 - 51.72)
West	51.40	(50.02 - 52.78)	14.12	(13.26 - 15.03)	59.80	(57.89 - 61.68)	54.77	(53.15 - 56.38)
Alabama	43.09	(39.90 - 46.34)	12.12	(10.23 - 14.29)	52.31	(48.01 - 56.57)	45.39	(41.57 - 49.27)
Alaska	52.81	(49.30 - 56.30)	13.67	(11.36 - 16.36)	59.18	(54.88 - 63.34)	57.10	(52.75 - 61.34)
Arizona	48.13	(44.47 - 51.82)	13.61	(11.34 - 16.25)	55.58	(51.47 - 59.62)	51.36	(46.91 - 55.80)
Arkansas	41.23	(37.94 - 44.60)	14.26	(12.00 - 16.87)	54.67	(50.58 - 58.70)	42.43	(38.44 - 46.52)
California	50.34	(48.43 - 52.25)	13.99	(12.69 - 15.41)	60.99	(58.47 - 63.46)	53.27	(50.91 - 55.62)
Colorado	62.68	(59.31 - 65.93)	17.66	(14.95 - 20.74)	69.60	(65.75 - 73.20)	66.87	(62.77 - 70.73)
Connecticut	59.38	(55.89 - 62.78)	17.75	(15.15 - 20.69)	68.76	(64.76 - 72.49)	62.98	(58.72 - 67.04)
Delaware	56.60	(53.04 - 60.08)	16.14	(13.79 - 18.80)	66.70	(62.86 - 70.33)	59.73	(55.40 - 63.92)
District of Columbia	61.58	(58.27 - 64.78)	14.09	(11.66 - 16.93)	71.99	(68.16 - 75.53)	63.51	(59.44 - 67.39)
Florida	50.70	(48.75 - 52.65)	14.36	(13.02 - 15.81)	56.80	(54.21 - 59.35)	53.73	(51.41 - 56.03)
Georgia	48.05	(44.62 - 51.50)	14.20	(12.03 - 16.69)	57.92	(53.82 - 61.91)	50.94	(46.75 - 55.11)
Hawaii	47.89	(44.42 - 51.39)	12.92	(10.58 - 15.69)	59.80	(55.21 - 64.22)	49.83	(45.73 - 53.93)
Idaho	47.46	(44.17 - 50.77)	13.15	(11.13 - 15.46)	54.67	(50.73 - 58.55)	50.98	(46.90 - 55.04)
Illinois	54.21	(52.39 - 56.02)	13.75	(12.41 - 15.20)	66.68	(64.24 - 69.03)	57.23	(55.02 - 59.41)
Indiana	49.42	(46.13 - 52.71)	12.70	(10.71 - 15.00)	60.22	(56.20 - 64.11)	52.31	(48.32 - 56.27)
Iowa	56.27	(52.89 - 59.59)	17.30	(14.82 - 20.09)	68.25	(64.36 - 71.90)	58.85	(54.74 - 62.85)
Kansas	55.54	(52.25 - 58.79)	15.69	(13.40 - 18.28)	63.16	(59.09 - 67.06)	59.31	(55.26 - 63.25)
Kentucky	39.06	(35.88 - 42.33)	13.02	(10.84 - 15.58)	49.56	(45.46 - 53.67)	40.49	(36.72 - 44.38)
Louisiana	46.83	(43.48 - 50.20)	15.07	(12.69 - 17.81)	59.37	(55.34 - 63.27)	48.66	(44.59 - 52.76)
Maine	56.20	(52.92 - 59.43)	13.73	(11.49 - 16.31)	65.13	(61.11 - 68.94)	59.47	(55.54 - 63.28)
Maryland	51.89	(48.23 - 55.53)	12.81	(10.74 - 15.20)	59.09	(54.58 - 63.44)	55.51	(51.11 - 59.83)
Massachusetts	63.62	(60.58 - 66.56)	15.58	(13.23 - 18.26)	74.33	(70.66 - 77.69)	67.23	(63.53 - 70.72)
Michigan	54.73	(52.86 - 56.59)	13.35	(12.11 - 14.70)	62.62	(60.18 - 64.98)	58.70	(56.42 - 60.93)
Minnesota	58.87	(55.52 - 62.14)	13.16	(11.10 - 15.55)	66.69	(62.77 - 70.40)	63.09	(59.00 - 67.00)
Mississippi	41.05	(37.87 - 44.31)	12.39	(10.37 - 14.74)	52.93	(48.95 - 56.87)	42.80	(38.90 - 46.80)
Missouri	50.71	(47.38 - 54.04)	15.16	(13.00 - 17.61)	60.50	(56.47 - 64.39)	53.50	(49.42 - 57.53)
Montana	58.05	(54.65 - 61.37)	19.15	(16.46 - 22.17)	65.92	(62.00 - 69.64)	61.19	(57.04 - 65.18)

(continued)

Table B.9 Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	51.86	(48.45 - 55.25)	13.66	(11.52 - 16.13)	63.37	(59.50 - 67.07)	54.55	(50.29 - 58.75)
Nevada	54.57	(50.94 - 58.16)	14.47	(12.02 - 17.32)	58.45	(54.25 - 62.52)	59.05	(54.64 - 63.32)
New Hampshire	63.77	(60.53 - 66.90)	17.64	(15.15 - 20.44)	74.09	(70.50 - 77.39)	67.52	(63.60 - 71.20)
New Jersey	55.69	(52.36 - 58.98)	15.27	(12.98 - 17.88)	64.60	(60.54 - 68.47)	59.27	(55.23 - 63.18)
New Mexico	45.75	(42.26 - 49.27)	14.49	(12.23 - 17.10)	56.25	(52.24 - 60.17)	47.87	(43.62 - 52.15)
New York	55.58	(53.62 - 57.52)	16.75	(15.24 - 18.38)	66.60	(64.17 - 68.93)	58.28	(55.90 - 60.61)
North Carolina	48.98	(45.64 - 52.33)	12.26	(10.26 - 14.58)	59.20	(55.28 - 63.01)	51.76	(47.67 - 55.83)
North Dakota	59.91	(56.63 - 63.09)	16.58	(14.25 - 19.20)	70.28	(66.69 - 73.64)	62.64	(58.44 - 66.66)
Ohio	52.73	(50.81 - 54.64)	13.78	(12.52 - 15.14)	65.40	(63.13 - 67.60)	55.51	(53.17 - 57.81)
Oklahoma	47.16	(43.58 - 50.77)	14.72	(12.41 - 17.38)	60.82	(56.60 - 64.87)	48.82	(44.42 - 53.24)
Oregon	61.02	(57.77 - 64.17)	17.31	(14.97 - 19.92)	67.14	(63.19 - 70.85)	65.03	(61.10 - 68.77)
Pennsylvania	55.23	(53.12 - 57.32)	15.78	(14.34 - 17.35)	66.28	(63.69 - 68.77)	58.01	(55.47 - 60.50)
Rhode Island	61.05	(57.38 - 64.59)	16.00	(13.48 - 18.90)	70.13	(65.79 - 74.12)	64.59	(60.12 - 68.82)
South Carolina	46.00	(42.62 - 49.42)	12.21	(10.30 - 14.42)	55.21	(51.13 - 59.21)	48.57	(44.51 - 52.66)
South Dakota	57.83	(54.43 - 61.16)	15.52	(13.01 - 18.42)	69.92	(65.95 - 73.60)	60.90	(56.74 - 64.91)
Tennessee	40.39	(36.94 - 43.94)	11.28	(9.53 - 13.31)	51.37	(47.16 - 55.56)	42.14	(37.99 - 46.39)
Texas	49.15	(47.24 - 51.05)	13.35	(12.04 - 14.79)	59.23	(56.83 - 61.59)	52.38	(50.04 - 54.71)
Utah	26.42	(23.60 - 29.45)	7.58	(5.79 - 9.86)	32.45	(28.63 - 36.51)	28.08	(24.43 - 32.03)
Vermont	61.68	(58.40 - 64.86)	17.44	(14.93 - 20.28)	72.67	(68.98 - 76.08)	64.59	(60.59 - 68.39)
Virginia	52.00	(48.63 - 55.34)	13.51	(11.42 - 15.91)	64.47	(60.51 - 68.25)	54.46	(50.35 - 58.51)
Washington	56.89	(53.55 - 60.16)	13.61	(11.45 - 16.09)	61.60	(57.52 - 65.53)	61.28	(57.27 - 65.15)
West Virginia	40.26	(36.86 - 43.76)	14.46	(12.17 - 17.09)	53.94	(50.04 - 57.79)	40.94	(36.89 - 45.12)
Wisconsin	64.11	(61.01 - 67.10)	16.78	(14.51 - 19.32)	70.45	(66.50 - 74.12)	68.75	(64.94 - 72.31)
Wyoming	52.91	(49.46 - 56.34)	16.70	(14.22 - 19.51)	59.33	(55.28 - 63.27)	56.13	(51.90 - 60.27)

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.10 Binge Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	23.39	(22.97 - 23.82)	8.38	(8.03 - 8.74)	41.15	(40.39 - 41.91)	22.19	(21.67 - 22.72)
Northeast	24.83	(23.99 - 25.69)	9.40	(8.72 - 10.13)	45.23	(43.95 - 46.53)	23.22	(22.19 - 24.28)
Midwest	25.54	(24.89 - 26.21)	8.71	(8.22 - 9.23)	44.88	(43.83 - 45.93)	24.29	(23.48 - 25.12)
South	21.58	(20.96 - 22.21)	7.54	(7.10 - 8.00)	37.65	(36.66 - 38.66)	20.59	(19.82 - 21.39)
West	23.08	(22.28 - 23.90)	8.61	(7.90 - 9.37)	39.95	(38.64 - 41.29)	21.91	(20.91 - 22.94)
Alabama	20.82	(18.43 - 23.44)	6.88	(5.57 - 8.46)	32.78	(29.01 - 36.79)	20.52	(17.65 - 23.72)
Alaska	24.69	(22.22 - 27.33)	9.08	(7.28 - 11.28)	40.80	(36.79 - 44.93)	23.73	(20.74 - 27.00)
Arizona	23.62	(20.98 - 26.48)	8.72	(7.03 - 10.78)	38.71	(34.86 - 42.71)	23.01	(19.85 - 26.51)
Arkansas	18.94	(16.78 - 21.31)	7.83	(6.35 - 9.63)	34.33	(30.59 - 38.27)	17.81	(15.25 - 20.69)
California	22.83	(21.55 - 24.17)	8.57	(7.49 - 9.79)	39.89	(37.81 - 42.00)	21.54	(19.94 - 23.23)
Colorado	26.21	(23.58 - 29.02)	9.64	(7.89 - 11.71)	46.39	(42.63 - 50.19)	24.72	(21.60 - 28.12)
Connecticut	26.35	(23.73 - 29.15)	11.19	(9.17 - 13.59)	48.82	(44.57 - 53.09)	24.56	(21.43 - 27.98)
Delaware	24.30	(21.73 - 27.06)	9.24	(7.27 - 11.69)	45.48	(41.70 - 49.31)	22.59	(19.53 - 25.98)
District of Columbia	29.52	(26.82 - 32.36)	6.92	(5.10 - 9.33)	46.74	(42.89 - 50.62)	27.72	(24.46 - 31.24)
Florida	20.68	(19.39 - 22.03)	7.64	(6.68 - 8.72)	35.63	(33.55 - 37.77)	19.85	(18.29 - 21.50)
Georgia	20.14	(17.94 - 22.54)	7.25	(5.89 - 8.91)	37.10	(33.46 - 40.88)	18.94	(16.27 - 21.93)
Hawaii	23.72	(21.24 - 26.40)	8.29	(6.49 - 10.54)	40.81	(36.48 - 45.29)	22.70	(19.77 - 25.91)
Idaho	21.89	(19.60 - 24.37)	8.08	(6.59 - 9.87)	37.30	(33.69 - 41.06)	21.03	(18.25 - 24.10)
Illinois	26.01	(24.68 - 27.38)	8.73	(7.70 - 9.89)	46.63	(44.50 - 48.76)	24.54	(22.88 - 26.27)
Indiana	22.55	(20.26 - 25.03)	7.87	(6.46 - 9.56)	40.75	(36.90 - 44.71)	21.31	(18.58 - 24.32)
Iowa	27.47	(24.95 - 30.15)	10.65	(8.74 - 12.92)	48.97	(45.23 - 52.71)	25.64	(22.62 - 28.93)
Kansas	25.79	(23.24 - 28.51)	9.34	(7.67 - 11.33)	42.85	(38.78 - 47.02)	24.68	(21.59 - 28.04)
Kentucky	21.61	(19.36 - 24.04)	8.19	(6.66 - 10.04)	39.04	(35.31 - 42.90)	20.43	(17.79 - 23.35)
Louisiana	23.01	(20.62 - 25.59)	7.39	(6.05 - 9.00)	38.18	(34.67 - 41.82)	22.20	(19.30 - 25.40)
Maine	22.99	(20.62 - 25.54)	8.34	(6.74 - 10.27)	46.14	(42.18 - 50.14)	21.27	(18.51 - 24.30)
Maryland	20.17	(17.76 - 22.82)	7.74	(6.27 - 9.52)	36.12	(32.09 - 40.36)	19.01	(16.16 - 22.24)
Massachusetts	25.57	(23.18 - 28.12)	9.40	(7.74 - 11.36)	48.63	(44.72 - 52.55)	23.33	(20.49 - 26.45)
Michigan	26.41	(25.00 - 27.87)	7.99	(7.09 - 9.00)	43.17	(41.21 - 45.16)	25.90	(24.15 - 27.73)
Minnesota	25.85	(23.36 - 28.52)	7.92	(6.48 - 9.65)	45.56	(41.84 - 49.32)	24.65	(21.66 - 27.90)
Mississippi	20.14	(17.93 - 22.55)	6.78	(5.38 - 8.52)	33.02	(29.55 - 36.70)	19.58	(16.93 - 22.54)
Missouri	23.95	(21.57 - 26.52)	9.55	(7.86 - 11.56)	39.61	(36.09 - 43.24)	23.11	(20.22 - 26.28)
Montana	28.02	(25.51 - 30.68)	12.67	(10.43 - 15.30)	50.04	(46.22 - 53.85)	25.97	(22.94 - 29.24)

(continued)

Table B.10 Binge Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	24.76	(22.30 - 27.40)	8.77	(7.15 - 10.71)	46.14	(42.47 - 49.84)	22.69	(19.74 - 25.94)
Nevada	26.64	(23.82 - 29.66)	8.33	(6.61 - 10.44)	41.92	(37.96 - 45.98)	26.61	(23.24 - 30.28)
New Hampshire	24.01	(21.52 - 26.70)	10.27	(8.45 - 12.42)	48.29	(44.32 - 52.28)	21.78	(18.84 - 25.04)
New Jersey	25.38	(22.82 - 28.12)	8.80	(7.10 - 10.86)	45.84	(41.86 - 49.87)	24.25	(21.21 - 27.58)
New Mexico	22.33	(19.96 - 24.90)	9.23	(7.50 - 11.30)	37.43	(33.71 - 41.30)	21.26	(18.40 - 24.44)
New York	24.01	(22.54 - 25.54)	9.60	(8.47 - 10.85)	42.22	(40.15 - 44.31)	22.51	(20.71 - 24.41)
North Carolina	20.66	(18.38 - 23.14)	6.89	(5.58 - 8.48)	37.27	(33.60 - 41.10)	19.58	(16.89 - 22.58)
North Dakota	29.80	(27.34 - 32.38)	10.36	(8.40 - 12.72)	51.26	(47.52 - 54.98)	27.11	(24.09 - 30.37)
Ohio	23.60	(22.30 - 24.96)	8.29	(7.37 - 9.32)	44.78	(42.89 - 46.68)	22.05	(20.44 - 23.74)
Oklahoma	21.65	(19.26 - 24.25)	8.80	(7.10 - 10.85)	39.13	(35.10 - 43.32)	20.08	(17.28 - 23.21)
Oregon	22.40	(20.18 - 24.78)	8.54	(7.00 - 10.38)	42.62	(38.75 - 46.59)	20.74	(18.11 - 23.63)
Pennsylvania	24.99	(23.57 - 26.47)	9.04	(7.96 - 10.26)	46.13	(43.90 - 48.39)	23.37	(21.65 - 25.17)
Rhode Island	26.41	(23.68 - 29.33)	8.98	(7.33 - 10.96)	45.81	(41.70 - 49.99)	24.77	(21.49 - 28.38)
South Carolina	22.20	(19.67 - 24.95)	6.12	(4.84 - 7.72)	36.06	(32.28 - 40.03)	21.85	(18.84 - 25.19)
South Dakota	27.68	(25.12 - 30.39)	9.45	(7.62 - 11.67)	49.52	(45.43 - 53.62)	25.96	(22.90 - 29.28)
Tennessee	17.57	(15.29 - 20.11)	6.67	(5.39 - 8.23)	31.85	(28.35 - 35.55)	16.63	(13.91 - 19.75)
Texas	23.98	(22.67 - 25.33)	7.79	(6.86 - 8.83)	39.55	(37.58 - 41.56)	23.34	(21.67 - 25.09)
Utah	13.23	(11.34 - 15.38)	5.66	(4.26 - 7.48)	23.58	(20.30 - 27.22)	11.95	(9.60 - 14.76)
Vermont	26.42	(23.91 - 29.10)	9.97	(8.16 - 12.12)	51.28	(47.42 - 55.12)	23.92	(20.95 - 27.16)
Virginia	23.68	(21.28 - 26.26)	8.36	(6.83 - 10.19)	45.42	(41.44 - 49.46)	21.74	(18.92 - 24.87)
Washington	23.89	(21.49 - 26.47)	8.74	(7.18 - 10.60)	42.69	(38.91 - 46.56)	22.62	(19.76 - 25.78)
West Virginia	20.40	(18.07 - 22.94)	8.51	(6.84 - 10.55)	38.41	(34.76 - 42.19)	18.95	(16.23 - 22.00)
Wisconsin	29.89	(27.20 - 32.73)	10.06	(8.36 - 12.06)	50.05	(46.02 - 54.08)	28.78	(25.53 - 32.26)
Wyoming	22.90	(20.65 - 25.33)	10.85	(8.39 - 13.92)	40.75	(37.06 - 44.54)	21.09	(18.41 - 24.05)

NOTE: Binge Alcohol Use is defined as drinking five or more drinks on the same occasion (i.e., at the same time or within a couple of hours of each other) on at least 1 day in the past 30 days.

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.11 Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	42.59	(42.07 - 43.10)	40.02	(39.41 - 40.63)	33.44	(32.78 - 34.11)	44.50	(43.85 - 45.15)
Northeast	40.52	(39.51 - 41.54)	38.66	(37.47 - 39.85)	30.82	(29.70 - 31.96)	42.37	(41.13 - 43.63)
Midwest	38.97	(38.17 - 39.77)	38.07	(37.16 - 38.99)	29.51	(28.67 - 30.37)	40.73	(39.74 - 41.74)
South	44.97	(44.17 - 45.77)	41.81	(40.90 - 42.72)	36.36	(35.50 - 37.24)	46.84	(45.83 - 47.84)
West	43.88	(42.82 - 44.94)	40.06	(38.80 - 41.34)	34.60	(33.38 - 35.83)	46.07	(44.73 - 47.42)
Alabama	45.62	(42.52 - 48.75)	44.37	(40.98 - 47.82)	39.31	(35.80 - 42.93)	46.86	(43.02 - 50.74)
Alaska	42.44	(39.22 - 45.72)	42.30	(38.59 - 46.10)	31.10	(27.49 - 34.96)	44.69	(40.67 - 48.78)
Arizona	43.94	(40.70 - 47.24)	42.17	(38.49 - 45.94)	36.72	(33.12 - 40.47)	45.40	(41.40 - 49.45)
Arkansas	45.47	(42.36 - 48.61)	43.66	(40.02 - 47.37)	35.74	(32.34 - 39.29)	47.30	(43.49 - 51.14)
California	45.31	(43.64 - 46.98)	40.42	(38.46 - 42.41)	36.55	(34.56 - 38.59)	47.64	(45.50 - 49.78)
Colorado	39.04	(35.77 - 42.41)	35.96	(32.43 - 39.64)	28.76	(25.58 - 32.16)	41.18	(37.17 - 45.31)
Connecticut	42.38	(39.13 - 45.70)	40.28	(36.69 - 43.97)	30.82	(27.43 - 34.44)	44.52	(40.51 - 48.60)
Delaware	40.74	(37.58 - 43.97)	38.96	(35.41 - 42.63)	32.31	(28.75 - 36.09)	42.34	(38.51 - 46.26)
District of Columbia	41.44	(38.35 - 44.60)	45.67	(41.84 - 49.57)	32.85	(29.12 - 36.82)	42.96	(39.12 - 46.89)
Florida	47.25	(45.51 - 48.99)	42.50	(40.52 - 44.50)	37.87	(35.93 - 39.86)	49.17	(47.04 - 51.30)
Georgia	45.88	(42.75 - 49.05)	43.59	(40.17 - 47.07)	36.09	(32.85 - 39.47)	47.90	(44.01 - 51.83)
Hawaii	41.12	(37.80 - 44.51)	43.75	(39.86 - 47.72)	35.40	(31.40 - 39.61)	41.74	(37.73 - 45.85)
Idaho	38.65	(35.67 - 41.73)	37.07	(33.80 - 40.45)	30.82	(27.73 - 34.09)	40.31	(36.56 - 44.18)
Illinois	41.47	(39.76 - 43.20)	40.28	(38.26 - 42.33)	31.39	(29.60 - 33.23)	43.44	(41.29 - 45.62)
Indiana	39.33	(36.36 - 42.38)	39.17	(35.74 - 42.70)	30.12	(26.93 - 33.52)	40.95	(37.31 - 44.68)
Iowa	36.96	(33.94 - 40.09)	36.87	(33.55 - 40.32)	27.18	(24.22 - 30.35)	38.74	(35.01 - 42.60)
Kansas	38.62	(35.65 - 41.67)	35.98	(32.68 - 39.42)	28.45	(25.27 - 31.87)	40.91	(37.24 - 44.68)
Kentucky	41.65	(38.67 - 44.70)	40.94	(37.50 - 44.48)	34.34	(30.95 - 37.91)	42.90	(39.29 - 46.59)
Louisiana	45.47	(42.35 - 48.62)	44.21	(40.86 - 47.61)	39.60	(36.32 - 42.97)	46.76	(42.87 - 50.69)
Maine	37.65	(34.56 - 40.85)	33.39	(30.22 - 36.71)	27.29	(24.23 - 30.58)	39.57	(35.88 - 43.38)
Maryland	43.75	(40.46 - 47.09)	42.35	(38.73 - 46.05)	35.95	(32.31 - 39.76)	45.24	(41.21 - 49.33)
Massachusetts	37.59	(34.63 - 40.65)	35.61	(32.31 - 39.06)	27.72	(24.65 - 31.01)	39.57	(35.98 - 43.28)
Michigan	39.47	(37.84 - 41.11)	38.91	(36.97 - 40.88)	32.96	(31.14 - 34.83)	40.66	(38.61 - 42.74)
Minnesota	37.02	(34.01 - 40.13)	36.31	(32.98 - 39.79)	26.36	(23.43 - 29.53)	38.93	(35.20 - 42.79)
Mississippi	48.25	(45.21 - 51.30)	47.55	(43.96 - 51.16)	41.49	(38.12 - 44.93)	49.62	(45.80 - 53.44)
Missouri	39.57	(36.62 - 42.60)	38.27	(34.96 - 41.71)	31.50	(28.32 - 34.86)	41.10	(37.49 - 44.80)
Montana	36.58	(33.68 - 39.59)	33.14	(30.00 - 36.45)	26.61	(23.56 - 29.89)	38.72	(35.13 - 42.43)

(continued)

Table B.11 *Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	37.35	(34.34 - 40.47)	36.94	(33.52 - 40.50)	25.59	(22.64 - 28.79)	39.68	(35.93 - 43.55)
Nevada	42.67	(39.41 - 46.00)	39.68	(36.11 - 43.37)	33.55	(30.11 - 37.18)	44.45	(40.49 - 48.48)
New Hampshire	38.21	(35.20 - 41.32)	34.64	(31.36 - 38.07)	24.71	(21.85 - 27.81)	40.76	(37.09 - 44.53)
New Jersey	41.49	(38.32 - 44.73)	36.91	(33.45 - 40.51)	32.88	(29.36 - 36.60)	43.38	(39.54 - 47.29)
New Mexico	47.80	(44.63 - 51.00)	39.69	(36.28 - 43.20)	36.55	(33.20 - 40.04)	50.91	(46.95 - 54.86)
New York	42.20	(40.42 - 43.99)	41.41	(39.38 - 43.46)	32.55	(30.67 - 34.49)	44.00	(41.78 - 46.25)
North Carolina	43.95	(40.77 - 47.19)	38.07	(34.71 - 41.54)	34.33	(31.16 - 37.65)	46.27	(42.35 - 50.24)
North Dakota	35.78	(32.96 - 38.70)	34.79	(31.64 - 38.09)	24.64	(21.70 - 27.84)	38.50	(34.96 - 42.17)
Ohio	39.51	(37.87 - 41.17)	38.15	(36.39 - 39.95)	27.88	(26.27 - 29.55)	41.57	(39.53 - 43.65)
Oklahoma	42.00	(38.83 - 45.23)	39.07	(35.39 - 42.88)	33.82	(30.31 - 37.52)	43.88	(39.96 - 47.89)
Oregon	39.94	(37.09 - 42.85)	37.14	(33.91 - 40.48)	28.12	(25.03 - 31.44)	42.15	(38.70 - 45.68)
Pennsylvania	39.26	(37.46 - 41.09)	38.13	(36.15 - 40.15)	29.89	(28.01 - 31.84)	40.94	(38.69 - 43.22)
Rhode Island	37.76	(34.65 - 40.97)	36.48	(32.96 - 40.15)	29.72	(26.48 - 33.18)	39.43	(35.62 - 43.37)
South Carolina	46.79	(43.55 - 50.05)	42.43	(39.02 - 45.92)	39.53	(36.19 - 42.97)	48.51	(44.52 - 52.53)
South Dakota	33.62	(30.50 - 36.89)	31.31	(27.96 - 34.87)	25.04	(21.86 - 28.52)	35.48	(31.63 - 39.53)
Tennessee	45.00	(41.78 - 48.25)	41.51	(38.39 - 44.70)	34.52	(31.28 - 37.91)	47.06	(43.11 - 51.04)
Texas	44.59	(42.95 - 46.24)	41.22	(39.21 - 43.27)	36.77	(34.96 - 38.63)	46.57	(44.47 - 48.67)
Utah	50.82	(47.71 - 53.93)	48.74	(44.84 - 52.64)	38.09	(34.43 - 41.89)	54.33	(50.23 - 58.37)
Vermont	36.60	(33.53 - 39.78)	32.15	(28.90 - 35.59)	22.93	(19.99 - 26.16)	39.43	(35.65 - 43.35)
Virginia	42.61	(39.55 - 45.73)	40.23	(36.83 - 43.73)	32.45	(29.24 - 35.82)	44.67	(40.87 - 48.53)
Washington	41.84	(38.81 - 44.94)	37.23	(33.86 - 40.73)	29.55	(26.36 - 32.94)	44.40	(40.69 - 48.17)
West Virginia	44.09	(40.89 - 47.34)	38.93	(35.39 - 42.59)	34.02	(30.55 - 37.67)	46.15	(42.28 - 50.06)
Wisconsin	35.03	(32.10 - 38.07)	34.60	(31.35 - 38.00)	27.12	(24.06 - 30.41)	36.46	(32.90 - 40.18)
Wyoming	39.10	(36.08 - 42.21)	39.63	(36.18 - 43.18)	29.18	(25.66 - 32.97)	40.86	(37.09 - 44.75)

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.12 Alcohol Use and Binge Alcohol Use in the Past Month among Persons Aged 12 to 20, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	Alcohol Use in Past Month (Estimate)	Alcohol Use in Past Month (95% Confidence Interval)	Binge Alcohol Use in Past Month (Estimate)	Binge Alcohol Use in Past Month (95% Confidence Interval)
Total U.S.	26.67	(26.06 - 27.28)	17.54	(17.01 - 18.09)
Northeast	30.58	(29.65 - 31.52)	19.92	(19.08 - 20.79)
Midwest	27.16	(26.50 - 27.84)	18.78	(18.12 - 19.45)
South	25.17	(24.53 - 25.82)	15.90	(15.30 - 16.52)
West	25.62	(24.69 - 26.58)	17.15	(16.28 - 18.06)
Alabama	22.30	(19.92 - 24.88)	13.62	(11.79 - 15.67)
Alaska	25.86	(23.19 - 28.72)	18.54	(16.32 - 20.99)
Arizona	23.50	(21.06 - 26.13)	16.36	(14.25 - 18.71)
Arkansas	22.27	(19.79 - 24.96)	13.27	(11.43 - 15.35)
California	25.40	(23.92 - 26.93)	16.93	(15.61 - 18.35)
Colorado	29.89	(27.12 - 32.81)	18.30	(16.14 - 20.68)
Connecticut	31.94	(29.08 - 34.94)	22.26	(19.59 - 25.17)
Delaware	31.67	(28.95 - 34.52)	21.77	(19.31 - 24.45)
District of Columbia	29.22	(25.84 - 32.85)	16.72	(14.06 - 19.76)
Florida	25.55	(24.13 - 27.03)	15.32	(14.11 - 16.61)
Georgia	23.33	(20.95 - 25.90)	14.62	(12.80 - 16.64)
Hawaii	25.48	(22.60 - 28.60)	17.57	(15.13 - 20.32)
Idaho	25.79	(23.30 - 28.45)	16.85	(14.87 - 19.04)
Illinois	28.76	(27.34 - 30.22)	19.60	(18.34 - 20.94)
Indiana	23.51	(21.06 - 26.14)	16.44	(14.43 - 18.67)
Iowa	29.46	(26.71 - 32.36)	20.99	(18.66 - 23.52)
Kansas	29.01	(26.34 - 31.82)	19.67	(17.36 - 22.22)
Kentucky	24.07	(21.69 - 26.63)	17.07	(15.07 - 19.29)
Louisiana	27.19	(24.70 - 29.84)	16.20	(14.16 - 18.47)
Maine	25.09	(22.61 - 27.75)	17.52	(15.45 - 19.81)
Maryland	25.14	(22.63 - 27.83)	15.61	(13.55 - 17.93)
Massachusetts	31.35	(28.79 - 34.03)	21.06	(18.83 - 23.49)
Michigan	24.93	(23.58 - 26.33)	16.80	(15.58 - 18.09)
Minnesota	27.28	(24.93 - 29.77)	19.89	(17.76 - 22.21)
Mississippi	24.96	(22.49 - 27.61)	15.23	(13.30 - 17.39)
Missouri	25.12	(22.57 - 27.86)	16.39	(14.29 - 18.74)
Montana	32.13	(29.36 - 35.04)	22.95	(20.38 - 25.74)

(continued)

Table B.12 Alcohol Use and Binge Alcohol Use in the Past Month among Persons Aged 12 to 20, by State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	Alcohol Use in Past Month (Estimate)	Alcohol Use in Past Month (95% Confidence Interval)	Binge Alcohol Use in Past Month (Estimate)	Binge Alcohol Use in Past Month (95% Confidence Interval)
Nebraska	26.58	(23.87 - 29.47)	19.22	(16.99 - 21.66)
Nevada	25.34	(22.77 - 28.09)	17.72	(15.59 - 20.07)
New Hampshire	32.93	(30.23 - 35.74)	21.77	(19.42 - 24.32)
New Jersey	28.41	(25.79 - 31.18)	19.36	(17.14 - 21.78)
New Mexico	25.18	(22.51 - 28.06)	16.49	(14.42 - 18.80)
New York	31.64	(30.10 - 33.23)	19.21	(17.85 - 20.65)
North Carolina	24.22	(21.79 - 26.84)	14.54	(12.64 - 16.67)
North Dakota	33.57	(30.64 - 36.64)	24.20	(21.76 - 26.82)
Ohio	27.41	(26.06 - 28.81)	19.20	(18.01 - 20.45)
Oklahoma	25.55	(22.86 - 28.44)	15.87	(13.74 - 18.26)
Oregon	30.14	(27.36 - 33.07)	17.75	(15.60 - 20.13)
Pennsylvania	29.47	(27.94 - 31.06)	19.88	(18.50 - 21.34)
Rhode Island	33.12	(30.28 - 36.09)	21.71	(19.27 - 24.36)
South Carolina	22.84	(20.44 - 25.43)	14.19	(12.28 - 16.34)
South Dakota	30.60	(27.90 - 33.44)	20.63	(18.31 - 23.15)
Tennessee	21.83	(19.35 - 24.54)	14.87	(12.93 - 17.04)
Texas	26.13	(24.75 - 27.55)	16.95	(15.73 - 18.25)
Utah	16.48	(14.04 - 19.26)	12.68	(10.60 - 15.10)
Vermont	34.62	(31.82 - 37.52)	24.10	(21.58 - 26.82)
Virginia	29.66	(27.11 - 32.35)	19.75	(17.60 - 22.09)
Washington	26.92	(24.36 - 29.64)	18.91	(16.82 - 21.20)
West Virginia	24.64	(22.17 - 27.29)	16.45	(14.35 - 18.79)
Wisconsin	30.09	(27.50 - 32.81)	21.05	(18.76 - 23.55)
Wyoming	30.21	(27.24 - 33.35)	21.26	(18.75 - 24.02)

NOTE: Binge Alcohol Use is defined as drinking five or more drinks on the same occasion (i.e., at the same time or within a couple hours of each other) on at least 1 day in the past 30 days.

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.13 Tobacco Product Use in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	27.60	(27.12 - 28.08)	11.25	(10.84 - 11.67)	41.27	(40.56 - 41.98)	27.28	(26.70 - 27.87)
Northeast	26.27	(25.32 - 27.25)	10.90	(10.21 - 11.63)	40.90	(39.66 - 42.14)	25.62	(24.43 - 26.86)
Midwest	30.10	(29.27 - 30.94)	12.56	(11.96 - 13.19)	45.79	(44.77 - 46.80)	29.58	(28.52 - 30.66)
South	29.04	(28.22 - 29.88)	11.29	(10.76 - 11.85)	41.64	(40.64 - 42.65)	29.12	(28.06 - 30.20)
West	24.00	(23.03 - 25.00)	10.22	(9.51 - 10.98)	36.86	(35.57 - 38.16)	23.48	(22.23 - 24.77)
Alabama	32.68	(29.89 - 35.60)	11.89	(9.98 - 14.10)	44.30	(40.57 - 48.09)	33.29	(29.91 - 36.84)
Alaska	31.93	(28.91 - 35.11)	13.27	(11.05 - 15.84)	45.63	(41.51 - 49.80)	31.89	(28.17 - 35.85)
Arizona	26.04	(23.35 - 28.93)	11.52	(9.50 - 13.91)	37.75	(34.12 - 41.53)	25.96	(22.76 - 29.42)
Arkansas	33.53	(30.77 - 36.40)	13.76	(11.60 - 16.24)	45.35	(41.58 - 49.18)	34.08	(30.73 - 37.58)
California	21.72	(20.33 - 23.18)	9.06	(8.00 - 10.23)	33.93	(31.97 - 35.95)	21.13	(19.37 - 23.01)
Colorado	26.91	(24.31 - 29.67)	12.37	(10.30 - 14.79)	42.57	(38.75 - 46.49)	25.94	(22.86 - 29.29)
Connecticut	25.07	(22.37 - 27.98)	10.81	(8.92 - 13.04)	41.34	(37.62 - 45.16)	24.18	(20.95 - 27.72)
Delaware	29.01	(26.21 - 31.99)	12.53	(10.55 - 14.82)	42.17	(38.49 - 45.94)	28.80	(25.43 - 32.41)
District of Columbia	27.50	(24.79 - 30.38)	9.08	(7.32 - 11.21)	35.49	(31.85 - 39.31)	27.37	(24.13 - 30.87)
Florida	26.24	(24.78 - 27.76)	10.43	(9.35 - 11.62)	37.56	(35.47 - 39.70)	26.24	(24.46 - 28.11)
Georgia	26.80	(24.16 - 29.61)	11.52	(9.58 - 13.79)	40.39	(36.70 - 44.20)	26.51	(23.34 - 29.94)
Hawaii	22.62	(20.16 - 25.29)	10.04	(8.07 - 12.43)	36.80	(32.76 - 41.03)	21.74	(18.89 - 24.90)
Idaho	27.73	(25.13 - 30.49)	11.85	(10.02 - 13.97)	41.70	(38.10 - 45.39)	27.43	(24.25 - 30.85)
Illinois	28.74	(27.25 - 30.29)	10.94	(9.78 - 12.21)	44.05	(42.03 - 46.09)	28.30	(26.43 - 30.25)
Indiana	30.63	(28.04 - 33.35)	12.22	(10.32 - 14.42)	47.39	(43.67 - 51.14)	30.12	(27.00 - 33.44)
Iowa	30.87	(28.10 - 33.79)	13.33	(11.27 - 15.69)	45.03	(41.28 - 48.85)	30.45	(27.11 - 34.02)
Kansas	30.66	(27.95 - 33.50)	13.48	(11.33 - 15.96)	44.15	(40.19 - 48.18)	30.33	(27.08 - 33.79)
Kentucky	35.51	(32.60 - 38.52)	15.04	(12.83 - 17.55)	48.42	(44.73 - 52.13)	35.88	(32.36 - 39.56)
Louisiana	30.09	(27.43 - 32.89)	10.86	(9.09 - 12.92)	41.88	(38.36 - 45.48)	30.41	(27.13 - 33.89)
Maine	28.92	(26.19 - 31.82)	12.46	(10.40 - 14.86)	47.07	(43.34 - 50.83)	28.10	(24.89 - 31.55)
Maryland	24.16	(21.32 - 27.23)	9.26	(7.49 - 11.40)	35.94	(32.05 - 40.03)	24.01	(20.66 - 27.71)
Massachusetts	24.27	(21.85 - 26.87)	10.39	(8.66 - 12.42)	42.39	(38.58 - 46.30)	22.65	(19.83 - 25.74)
Michigan	30.06	(28.53 - 31.64)	11.91	(10.76 - 13.17)	45.35	(43.37 - 47.34)	29.77	(27.85 - 31.76)
Minnesota	27.33	(24.92 - 29.87)	11.18	(9.37 - 13.28)	46.96	(43.47 - 50.47)	25.92	(23.04 - 29.03)
Mississippi	34.57	(31.68 - 37.58)	13.54	(11.39 - 16.03)	46.86	(43.18 - 50.58)	35.19	(31.62 - 38.93)
Missouri	34.45	(31.53 - 37.48)	15.85	(13.50 - 18.51)	47.58	(43.78 - 51.41)	34.55	(31.05 - 38.23)
Montana	32.12	(29.35 - 35.02)	16.34	(14.02 - 18.96)	47.95	(44.42 - 51.50)	31.19	(27.84 - 34.74)

(continued)

Table B.13 Tobacco Product Use in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	29.00	(26.39 - 31.75)	12.12	(10.20 - 14.35)	42.20	(38.69 - 45.79)	28.62	(25.43 - 32.04)
Nevada	27.41	(24.54 - 30.47)	9.93	(7.93 - 12.36)	39.62	(35.92 - 43.45)	27.74	(24.31 - 31.45)
New Hampshire	28.98	(26.29 - 31.83)	13.66	(11.51 - 16.14)	46.77	(43.19 - 50.38)	27.95	(24.74 - 31.40)
New Jersey	25.55	(22.98 - 28.30)	9.74	(7.90 - 11.96)	42.22	(38.41 - 46.14)	24.91	(21.86 - 28.24)
New Mexico	27.12	(24.42 - 29.99)	13.06	(10.95 - 15.51)	42.99	(39.31 - 46.75)	26.03	(22.77 - 29.59)
New York	24.21	(22.75 - 25.73)	9.98	(8.86 - 11.21)	36.42	(34.39 - 38.50)	23.75	(21.94 - 25.67)
North Carolina	30.27	(27.56 - 33.13)	11.09	(9.31 - 13.15)	43.42	(39.76 - 47.15)	30.42	(27.15 - 33.90)
North Dakota	28.77	(26.17 - 31.50)	13.10	(10.90 - 15.67)	42.36	(38.85 - 45.95)	27.47	(24.31 - 30.89)
Ohio	31.20	(29.65 - 32.80)	14.01	(12.75 - 15.37)	47.62	(45.72 - 49.53)	30.65	(28.72 - 32.65)
Oklahoma	36.51	(33.48 - 39.66)	14.35	(12.05 - 17.01)	51.53	(47.50 - 55.54)	36.60	(32.90 - 40.46)
Oregon	28.45	(25.84 - 31.22)	12.91	(10.95 - 15.16)	42.81	(39.05 - 46.65)	27.92	(24.82 - 31.23)
Pennsylvania	30.69	(29.05 - 32.38)	12.94	(11.65 - 14.35)	45.03	(42.86 - 47.21)	30.39	(28.37 - 32.49)
Rhode Island	26.81	(24.06 - 29.74)	10.85	(8.97 - 13.06)	41.87	(37.96 - 45.87)	25.83	(22.61 - 29.33)
South Carolina	30.47	(27.72 - 33.36)	11.62	(9.78 - 13.74)	44.51	(40.71 - 48.37)	30.42	(27.14 - 33.91)
South Dakota	31.42	(28.57 - 34.41)	13.59	(11.40 - 16.11)	47.66	(43.70 - 51.65)	30.67	(27.24 - 34.33)
Tennessee	34.61	(31.63 - 37.71)	13.28	(11.29 - 15.56)	48.90	(45.22 - 52.59)	34.90	(31.32 - 38.66)
Texas	26.34	(24.89 - 27.85)	9.91	(8.86 - 11.05)	38.35	(36.40 - 40.35)	26.43	(24.57 - 28.37)
Utah	16.82	(14.63 - 19.26)	7.28	(5.55 - 9.50)	25.10	(21.80 - 28.71)	16.40	(13.68 - 19.52)
Vermont	27.08	(24.42 - 29.92)	12.52	(10.48 - 14.90)	43.42	(39.68 - 47.24)	25.84	(22.66 - 29.29)
Virginia	27.47	(24.88 - 30.21)	10.90	(9.12 - 12.97)	42.64	(39.09 - 46.26)	26.82	(23.73 - 30.16)
Washington	26.91	(24.43 - 29.55)	11.24	(9.38 - 13.43)	44.31	(40.61 - 48.06)	25.94	(23.00 - 29.11)
West Virginia	40.22	(37.02 - 43.50)	17.35	(14.89 - 20.12)	51.73	(48.00 - 55.44)	40.89	(37.05 - 44.85)
Wisconsin	28.03	(25.44 - 30.78)	11.85	(10.01 - 13.99)	45.09	(41.29 - 48.95)	27.02	(23.95 - 30.32)
Wyoming	33.67	(30.78 - 36.68)	17.44	(14.82 - 20.41)	49.52	(46.00 - 53.04)	32.73	(29.22 - 36.44)

NOTE: Tobacco Products include cigarettes, smokeless tobacco (i.e., chewing tobacco or snuff), cigars, or pipe tobacco.

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.14 Cigarette Use in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	23.16	(22.71 - 23.62)	8.69	(8.32 - 9.08)	35.09	(34.42 - 35.76)	22.91	(22.35 - 23.47)
Northeast	22.22	(21.33 - 23.14)	8.54	(7.93 - 9.20)	35.34	(34.06 - 36.64)	21.62	(20.49 - 22.81)
Midwest	25.11	(24.34 - 25.90)	9.87	(9.34 - 10.43)	38.84	(37.83 - 39.85)	24.65	(23.63 - 25.69)
South	24.26	(23.49 - 25.06)	8.70	(8.20 - 9.22)	35.25	(34.22 - 36.29)	24.34	(23.32 - 25.39)
West	20.31	(19.38 - 21.28)	7.72	(7.08 - 8.41)	31.24	(29.95 - 32.57)	19.98	(18.78 - 21.25)
Alabama	27.07	(24.64 - 29.65)	9.01	(7.39 - 10.93)	37.14	(33.40 - 41.04)	27.60	(24.63 - 30.79)
Alaska	26.21	(23.49 - 29.12)	8.20	(6.48 - 10.32)	38.94	(34.93 - 43.11)	26.26	(22.92 - 29.91)
Arizona	22.39	(19.95 - 25.03)	9.92	(7.95 - 12.30)	31.53	(27.99 - 35.30)	22.47	(19.55 - 25.67)
Arkansas	28.16	(25.58 - 30.89)	10.30	(8.42 - 12.55)	39.29	(35.54 - 43.16)	28.58	(25.46 - 31.91)
California	18.54	(17.21 - 19.94)	6.83	(5.91 - 7.88)	28.85	(26.88 - 30.91)	18.18	(16.52 - 19.98)
Colorado	21.15	(18.88 - 23.61)	8.77	(7.05 - 10.87)	34.01	(30.44 - 37.77)	20.41	(17.72 - 23.39)
Connecticut	21.31	(18.90 - 23.93)	8.76	(7.07 - 10.82)	35.47	(31.80 - 39.33)	20.54	(17.70 - 23.71)
Delaware	23.63	(21.17 - 26.27)	9.31	(7.59 - 11.36)	35.59	(32.08 - 39.25)	23.35	(20.41 - 26.57)
District of Columbia	23.41	(20.82 - 26.22)	6.53	(5.04 - 8.43)	29.33	(25.88 - 33.05)	23.61	(20.49 - 27.05)
Florida	22.34	(20.94 - 23.81)	7.95	(6.97 - 9.05)	31.73	(29.80 - 33.71)	22.48	(20.76 - 24.30)
Georgia	22.43	(19.98 - 25.08)	9.25	(7.50 - 11.36)	34.10	(30.48 - 37.92)	22.19	(19.23 - 25.46)
Hawaii	19.75	(17.45 - 22.27)	7.16	(5.47 - 9.33)	32.61	(28.67 - 36.81)	19.08	(16.40 - 22.09)
Idaho	23.67	(21.36 - 26.15)	8.85	(7.22 - 10.82)	36.38	(32.94 - 39.97)	23.45	(20.62 - 26.54)
Illinois	24.38	(23.03 - 25.78)	8.67	(7.64 - 9.84)	38.10	(36.18 - 40.06)	23.95	(22.24 - 25.75)
Indiana	25.85	(23.47 - 28.38)	9.41	(7.70 - 11.45)	40.22	(36.48 - 44.08)	25.50	(22.63 - 28.59)
Iowa	25.45	(22.98 - 28.09)	10.83	(8.93 - 13.09)	37.59	(33.94 - 41.38)	25.04	(22.04 - 28.30)
Kansas	23.94	(21.68 - 26.35)	10.64	(8.81 - 12.79)	35.89	(32.21 - 39.74)	23.40	(20.66 - 26.39)
Kentucky	29.93	(27.26 - 32.76)	11.01	(9.06 - 13.33)	40.50	(36.79 - 44.32)	30.50	(27.27 - 33.92)
Louisiana	25.90	(23.34 - 28.65)	8.69	(7.04 - 10.68)	36.76	(33.21 - 40.47)	26.13	(23.00 - 29.53)
Maine	24.73	(22.28 - 27.36)	9.47	(7.66 - 11.65)	40.62	(36.96 - 44.39)	24.09	(21.22 - 27.22)
Maryland	19.72	(17.33 - 22.35)	7.43	(5.90 - 9.32)	30.21	(26.43 - 34.26)	19.47	(16.64 - 22.65)
Massachusetts	20.64	(18.52 - 22.92)	7.88	(6.37 - 9.72)	36.23	(32.64 - 39.98)	19.33	(16.84 - 22.09)
Michigan	25.91	(24.51 - 27.36)	9.49	(8.47 - 10.61)	39.17	(37.20 - 41.17)	25.74	(23.97 - 27.60)
Minnesota	23.21	(20.96 - 25.62)	8.89	(7.27 - 10.83)	40.41	(36.93 - 43.98)	22.00	(19.29 - 24.96)
Mississippi	27.48	(24.98 - 30.13)	10.22	(8.36 - 12.43)	38.98	(35.28 - 42.82)	27.73	(24.67 - 31.01)
Missouri	27.42	(24.92 - 30.08)	11.61	(9.57 - 14.02)	39.61	(35.92 - 43.41)	27.34	(24.32 - 30.59)
Montana	24.95	(22.59 - 27.46)	12.16	(10.06 - 14.63)	37.05	(33.53 - 40.71)	24.32	(21.47 - 27.41)

(continued)

Table B.14 Cigarette Use in the Past Month, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	24.07	(21.72 - 26.60)	9.13	(7.44 - 11.15)	37.42	(33.82 - 41.16)	23.42	(20.56 - 26.56)
Nevada	23.69	(21.08 - 26.52)	7.39	(5.80 - 9.36)	33.17	(29.60 - 36.93)	24.30	(21.14 - 27.76)
New Hampshire	24.23	(21.82 - 26.82)	10.66	(8.78 - 12.88)	41.42	(37.76 - 45.18)	23.09	(20.22 - 26.23)
New Jersey	21.19	(18.85 - 23.75)	7.66	(6.16 - 9.48)	37.35	(33.52 - 41.35)	20.36	(17.57 - 23.46)
New Mexico	22.57	(20.23 - 25.08)	10.17	(8.33 - 12.37)	36.14	(32.64 - 39.79)	21.69	(18.88 - 24.79)
New York	21.18	(19.83 - 22.59)	7.79	(6.78 - 8.94)	31.70	(29.68 - 33.79)	20.91	(19.23 - 22.70)
North Carolina	26.03	(23.48 - 28.74)	8.22	(6.62 - 10.16)	38.30	(34.68 - 42.05)	26.15	(23.09 - 29.47)
North Dakota	22.74	(20.48 - 25.18)	10.27	(8.38 - 12.53)	33.53	(30.18 - 37.05)	21.73	(18.94 - 24.82)
Ohio	25.79	(24.35 - 27.29)	11.22	(10.04 - 12.52)	39.74	(37.79 - 41.72)	25.32	(23.51 - 27.23)
Oklahoma	28.98	(26.24 - 31.87)	10.80	(8.88 - 13.08)	43.60	(39.39 - 47.90)	28.62	(25.29 - 32.21)
Oregon	23.94	(21.59 - 26.46)	9.53	(7.75 - 11.67)	37.77	(34.05 - 41.64)	23.36	(20.57 - 26.39)
Pennsylvania	25.05	(23.55 - 26.61)	10.28	(9.09 - 11.61)	38.18	(35.99 - 40.42)	24.60	(22.75 - 26.56)
Rhode Island	23.22	(20.82 - 25.80)	8.46	(6.80 - 10.47)	35.82	(31.96 - 39.86)	22.56	(19.71 - 25.70)
South Carolina	26.50	(23.88 - 29.29)	9.02	(7.38 - 10.97)	37.92	(34.29 - 41.68)	26.72	(23.55 - 30.15)
South Dakota	25.14	(22.61 - 27.85)	10.29	(8.43 - 12.50)	38.80	(34.92 - 42.82)	24.50	(21.46 - 27.82)
Tennessee	27.81	(25.14 - 30.66)	9.25	(7.63 - 11.17)	39.70	(35.86 - 43.66)	28.15	(24.92 - 31.62)
Texas	22.02	(20.64 - 23.45)	8.00	(6.96 - 9.17)	32.62	(30.67 - 34.62)	22.03	(20.28 - 23.88)
Utah	15.83	(13.75 - 18.16)	5.86	(4.36 - 7.85)	23.51	(20.15 - 27.23)	15.63	(13.05 - 18.63)
Vermont	22.37	(20.04 - 24.88)	9.34	(7.53 - 11.53)	37.89	(34.22 - 41.72)	21.10	(18.36 - 24.11)
Virginia	22.76	(20.52 - 25.17)	8.60	(6.98 - 10.55)	35.11	(31.65 - 38.74)	22.32	(19.65 - 25.23)
Washington	22.66	(20.44 - 25.03)	7.95	(6.44 - 9.78)	37.56	(33.89 - 41.39)	21.97	(19.35 - 24.84)
West Virginia	32.00	(29.12 - 35.03)	11.85	(9.74 - 14.34)	43.86	(40.11 - 47.68)	32.34	(28.87 - 36.02)
Wisconsin	23.51	(21.22 - 25.97)	9.43	(7.70 - 11.49)	37.95	(34.19 - 41.86)	22.70	(19.99 - 25.65)
Wyoming	25.72	(23.26 - 28.35)	13.47	(11.12 - 16.22)	39.62	(35.98 - 43.36)	24.66	(21.68 - 27.90)

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.15 Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	71.21	(70.74 - 71.67)	65.41	(64.78 - 66.05)	65.15	(64.53 - 65.76)	72.99	(72.40 - 73.57)
Northeast	73.50	(72.54 - 74.44)	68.09	(66.90 - 69.25)	67.01	(65.72 - 68.27)	75.23	(74.09 - 76.34)
Midwest	67.42	(66.54 - 68.28)	64.34	(63.38 - 65.29)	61.07	(59.99 - 62.14)	68.91	(67.87 - 69.94)
South	70.96	(70.16 - 71.75)	64.12	(63.22 - 65.00)	64.72	(63.71 - 65.72)	72.89	(71.92 - 73.84)
West	73.36	(72.35 - 74.35)	66.44	(65.18 - 67.68)	68.12	(66.76 - 69.45)	75.22	(73.98 - 76.42)
Alabama	67.33	(64.37 - 70.15)	60.26	(56.77 - 63.65)	60.46	(56.67 - 64.14)	69.40	(65.77 - 72.80)
Alaska	67.21	(64.17 - 70.10)	66.75	(63.16 - 70.16)	62.65	(58.85 - 66.30)	68.17	(64.33 - 71.77)
Arizona	71.76	(68.72 - 74.61)	65.07	(61.35 - 68.61)	66.03	(62.39 - 69.50)	73.59	(69.88 - 77.00)
Arkansas	70.18	(67.37 - 72.84)	63.20	(59.71 - 66.55)	60.97	(57.24 - 64.57)	72.58	(69.15 - 75.76)
California	75.39	(73.87 - 76.84)	66.60	(64.66 - 68.47)	71.14	(69.09 - 73.10)	77.39	(75.50 - 79.19)
Colorado	72.37	(69.46 - 75.09)	66.71	(63.14 - 70.10)	66.40	(62.96 - 69.68)	74.07	(70.52 - 77.33)
Connecticut	73.11	(70.22 - 75.81)	68.65	(65.22 - 71.89)	66.24	(62.55 - 69.73)	74.77	(71.20 - 78.04)
Delaware	73.29	(70.43 - 75.98)	66.85	(63.46 - 70.08)	66.11	(62.77 - 69.30)	75.24	(71.68 - 78.49)
District of Columbia	75.29	(72.66 - 77.75)	65.22	(61.66 - 68.62)	69.73	(66.33 - 72.92)	77.42	(74.16 - 80.38)
Florida	74.85	(73.35 - 76.28)	66.55	(64.62 - 68.43)	68.97	(66.98 - 70.90)	76.63	(74.82 - 78.34)
Georgia	71.37	(68.65 - 73.95)	64.22	(60.82 - 67.47)	66.68	(63.30 - 69.90)	73.17	(69.79 - 76.30)
Hawaii	72.05	(69.06 - 74.85)	67.01	(63.15 - 70.65)	66.61	(62.67 - 70.34)	73.46	(69.83 - 76.80)
Idaho	65.77	(62.89 - 68.54)	64.43	(60.89 - 67.82)	60.34	(56.68 - 63.88)	66.95	(63.34 - 70.37)
Illinois	69.14	(67.52 - 70.71)	65.15	(63.20 - 67.05)	62.26	(60.25 - 64.22)	70.90	(68.88 - 72.84)
Indiana	66.16	(63.26 - 68.94)	64.61	(61.31 - 67.78)	59.06	(55.51 - 62.53)	67.59	(63.99 - 70.99)
Iowa	65.32	(62.27 - 68.25)	61.65	(58.18 - 65.01)	58.43	(54.84 - 61.92)	67.01	(63.23 - 70.58)
Kansas	64.89	(61.92 - 67.74)	58.79	(55.12 - 62.36)	61.61	(57.89 - 65.20)	66.31	(62.60 - 69.83)
Kentucky	62.29	(59.18 - 65.30)	63.41	(59.93 - 66.75)	55.85	(52.22 - 59.42)	63.18	(59.40 - 66.80)
Louisiana	71.96	(69.21 - 74.56)	65.08	(61.54 - 68.46)	65.06	(61.68 - 68.31)	74.20	(70.75 - 77.37)
Maine	68.71	(65.81 - 71.47)	67.35	(64.11 - 70.43)	60.95	(57.42 - 64.37)	69.95	(66.45 - 73.23)
Maryland	74.90	(71.98 - 77.60)	65.98	(62.46 - 69.33)	69.66	(66.02 - 73.07)	76.89	(73.36 - 80.07)
Massachusetts	75.91	(73.40 - 78.26)	70.34	(67.07 - 73.42)	68.40	(64.82 - 71.78)	77.89	(74.78 - 80.71)
Michigan	68.24	(66.60 - 69.83)	64.08	(62.22 - 65.89)	62.54	(60.63 - 64.41)	69.75	(67.72 - 71.71)
Minnesota	68.10	(65.04 - 71.01)	67.41	(63.95 - 70.69)	60.77	(57.31 - 64.12)	69.44	(65.71 - 72.94)
Mississippi	69.22	(66.35 - 71.94)	60.99	(57.43 - 64.43)	63.50	(60.15 - 66.73)	71.42	(67.84 - 74.76)
Missouri	66.34	(63.36 - 69.20)	61.97	(58.37 - 65.44)	58.80	(55.19 - 62.32)	68.16	(64.45 - 71.66)
Montana	67.99	(65.07 - 70.77)	64.27	(60.93 - 67.47)	60.50	(57.05 - 63.86)	69.73	(66.11 - 73.12)

(continued)

Table B.15 Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	67.08	(64.22 - 69.83)	62.38	(58.96 - 65.67)	60.22	(56.67 - 63.66)	69.02	(65.41 - 72.41)
Nevada	70.59	(67.60 - 73.41)	65.85	(62.19 - 69.33)	67.69	(64.01 - 71.16)	71.64	(68.01 - 75.00)
New Hampshire	69.68	(66.67 - 72.54)	64.70	(61.23 - 68.02)	64.34	(60.83 - 67.71)	71.11	(67.43 - 74.53)
New Jersey	73.89	(71.18 - 76.43)	67.23	(63.88 - 70.41)	68.95	(65.30 - 72.37)	75.46	(72.17 - 78.49)
New Mexico	72.63	(69.96 - 75.14)	63.49	(60.07 - 66.78)	64.48	(60.87 - 67.94)	75.30	(71.99 - 78.34)
New York	76.41	(74.84 - 77.90)	71.09	(69.06 - 73.05)	69.63	(67.63 - 71.56)	78.24	(76.33 - 80.04)
North Carolina	68.97	(66.04 - 71.75)	66.79	(63.33 - 70.07)	63.56	(60.09 - 66.90)	70.14	(66.54 - 73.50)
North Dakota	68.20	(65.32 - 70.94)	65.63	(62.30 - 68.83)	63.90	(60.40 - 67.26)	69.51	(65.84 - 72.95)
Ohio	66.37	(64.75 - 67.95)	64.16	(62.28 - 65.99)	60.54	(58.60 - 62.44)	67.60	(65.58 - 69.55)
Oklahoma	66.20	(63.20 - 69.08)	58.74	(55.01 - 62.37)	59.93	(55.91 - 63.82)	68.32	(64.62 - 71.81)
Oregon	70.35	(67.40 - 73.13)	65.20	(61.92 - 68.35)	60.47	(56.83 - 64.00)	72.51	(68.90 - 75.86)
Pennsylvania	68.78	(66.99 - 70.52)	63.44	(61.32 - 65.52)	61.85	(59.64 - 64.01)	70.55	(68.35 - 72.65)
Rhode Island	71.55	(68.55 - 74.37)	65.34	(61.72 - 68.79)	67.26	(63.64 - 70.69)	73.08	(69.43 - 76.45)
South Carolina	70.33	(67.43 - 73.07)	62.06	(58.54 - 65.45)	63.05	(59.52 - 66.43)	72.53	(68.96 - 75.83)
South Dakota	66.42	(63.35 - 69.36)	64.35	(60.66 - 67.88)	62.17	(58.44 - 65.76)	67.45	(63.64 - 71.06)
Tennessee	66.02	(62.80 - 69.10)	61.01	(57.58 - 64.33)	57.95	(54.19 - 61.63)	67.89	(63.94 - 71.60)
Texas	72.12	(70.57 - 73.61)	63.54	(61.60 - 65.44)	65.76	(63.77 - 67.70)	74.57	(72.59 - 76.44)
Utah	73.78	(71.30 - 76.12)	72.63	(69.29 - 75.74)	68.59	(64.93 - 72.03)	75.27	(72.06 - 78.22)
Vermont	70.96	(68.07 - 73.69)	65.59	(62.08 - 68.94)	64.50	(60.87 - 67.97)	72.66	(69.14 - 75.91)
Virginia	71.93	(69.09 - 74.60)	66.41	(63.06 - 69.60)	65.70	(62.22 - 69.01)	73.68	(70.22 - 76.87)
Washington	71.23	(68.60 - 73.72)	66.20	(62.85 - 69.40)	63.17	(59.66 - 66.55)	73.14	(69.94 - 76.12)
West Virginia	64.61	(61.53 - 67.58)	61.44	(57.99 - 64.79)	56.98	(53.28 - 60.59)	66.09	(62.33 - 69.66)
Wisconsin	68.62	(65.77 - 71.34)	67.47	(64.27 - 70.52)	62.45	(58.81 - 65.95)	69.84	(66.32 - 73.14)
Wyoming	68.92	(66.12 - 71.58)	66.90	(63.60 - 70.04)	60.67	(57.13 - 64.09)	70.68	(67.23 - 73.91)

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.16 Alcohol Dependence or Abuse in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	7.27	(7.04 - 7.50)	4.59	(4.32 - 4.87)	15.91	(15.42 - 16.42)	6.10	(5.83 - 6.39)
Northeast	7.25	(6.83 - 7.69)	4.61	(4.18 - 5.08)	16.96	(15.95 - 18.02)	5.92	(5.43 - 6.46)
Midwest	7.46	(7.12 - 7.81)	4.58	(4.25 - 4.94)	16.81	(15.96 - 17.69)	6.19	(5.78 - 6.62)
South	6.82	(6.50 - 7.17)	4.18	(3.83 - 4.56)	14.60	(13.80 - 15.45)	5.82	(5.43 - 6.25)
West	7.80	(7.33 - 8.31)	5.20	(4.69 - 5.77)	16.28	(15.22 - 17.39)	6.61	(6.03 - 7.23)
Alabama	6.82	(5.68 - 8.18)	4.30	(3.32 - 5.54)	13.69	(11.46 - 16.28)	5.96	(4.69 - 7.55)
Alaska	7.80	(6.52 - 9.30)	4.91	(3.79 - 6.33)	15.52	(13.05 - 18.38)	6.69	(5.26 - 8.47)
Arizona	7.74	(6.46 - 9.26)	4.88	(3.77 - 6.30)	17.00	(14.41 - 19.94)	6.55	(5.12 - 8.34)
Arkansas	6.58	(5.50 - 7.86)	4.54	(3.50 - 5.87)	14.23	(11.92 - 16.91)	5.57	(4.38 - 7.06)
California	8.02	(7.28 - 8.82)	5.39	(4.58 - 6.33)	15.93	(14.40 - 17.59)	6.88	(6.00 - 7.87)
Colorado	8.71	(7.37 - 10.26)	5.68	(4.38 - 7.33)	20.07	(17.44 - 22.99)	7.11	(5.63 - 8.95)
Connecticut	7.85	(6.60 - 9.31)	4.82	(3.73 - 6.20)	18.62	(15.78 - 21.84)	6.46	(5.10 - 8.17)
Delaware	7.27	(6.06 - 8.71)	4.76	(3.67 - 6.14)	16.65	(14.20 - 19.42)	6.02	(4.69 - 7.69)
District of Columbia	9.48	(8.00 - 11.21)	3.32	(2.46 - 4.46)	17.21	(14.67 - 20.10)	8.34	(6.68 - 10.36)
Florida	6.78	(6.09 - 7.55)	4.44	(3.75 - 5.24)	13.80	(12.40 - 15.33)	5.98	(5.17 - 6.90)
Georgia	6.31	(5.25 - 7.58)	3.65	(2.76 - 4.81)	14.13	(11.95 - 16.62)	5.31	(4.13 - 6.81)
Hawaii	7.71	(6.32 - 9.38)	5.49	(4.04 - 7.42)	17.14	(14.18 - 20.58)	6.46	(4.96 - 8.36)
Idaho	7.53	(6.38 - 8.86)	5.23	(4.11 - 6.62)	16.51	(14.07 - 19.28)	6.21	(4.93 - 7.80)
Illinois	7.21	(6.52 - 7.97)	4.11	(3.46 - 4.88)	16.91	(15.42 - 18.52)	5.86	(5.05 - 6.80)
Indiana	7.22	(6.09 - 8.53)	4.41	(3.45 - 5.61)	15.99	(13.59 - 18.72)	6.06	(4.82 - 7.61)
Iowa	8.25	(7.03 - 9.66)	5.44	(4.25 - 6.93)	19.82	(17.07 - 22.88)	6.51	(5.18 - 8.15)
Kansas	7.94	(6.76 - 9.30)	5.35	(4.22 - 6.77)	17.92	(15.37 - 20.79)	6.37	(5.06 - 8.00)
Kentucky	6.14	(5.12 - 7.35)	4.08	(3.11 - 5.34)	14.03	(11.76 - 16.67)	5.13	(4.02 - 6.52)
Louisiana	6.60	(5.50 - 7.89)	3.40	(2.53 - 4.56)	14.20	(11.98 - 16.77)	5.58	(4.34 - 7.13)
Maine	6.45	(5.39 - 7.69)	4.09	(3.09 - 5.40)	16.64	(14.11 - 19.53)	5.25	(4.12 - 6.67)
Maryland	6.41	(5.21 - 7.86)	3.30	(2.45 - 4.43)	13.82	(11.37 - 16.70)	5.54	(4.24 - 7.21)
Massachusetts	8.30	(7.08 - 9.71)	5.16	(4.04 - 6.55)	19.91	(17.26 - 22.85)	6.60	(5.28 - 8.24)
Michigan	7.69	(6.95 - 8.50)	4.49	(3.82 - 5.28)	15.76	(14.30 - 17.34)	6.72	(5.85 - 7.70)
Minnesota	7.81	(6.62 - 9.19)	4.86	(3.78 - 6.21)	17.57	(15.12 - 20.32)	6.49	(5.17 - 8.12)
Mississippi	6.49	(5.44 - 7.74)	3.75	(2.88 - 4.89)	13.54	(11.43 - 15.96)	5.56	(4.36 - 7.06)
Missouri	6.63	(5.53 - 7.93)	4.62	(3.61 - 5.88)	14.82	(12.44 - 17.56)	5.50	(4.29 - 7.02)
Montana	9.25	(7.89 - 10.82)	6.65	(5.16 - 8.52)	22.93	(19.92 - 26.26)	7.17	(5.67 - 9.03)

(continued)

Table B.16 Alcohol Dependence or Abuse in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	7.63	(6.46 - 8.98)	4.60	(3.55 - 5.94)	18.00	(15.43 - 20.90)	6.02	(4.76 - 7.59)
Nevada	8.44	(7.08 - 10.04)	5.38	(4.14 - 6.97)	18.13	(15.53 - 21.05)	7.34	(5.80 - 9.25)
New Hampshire	7.49	(6.31 - 8.87)	5.24	(4.09 - 6.71)	18.73	(16.14 - 21.63)	5.97	(4.68 - 7.58)
New Jersey	6.40	(5.30 - 7.71)	3.92	(2.99 - 5.13)	14.52	(12.29 - 17.07)	5.45	(4.23 - 6.99)
New Mexico	7.66	(6.43 - 9.09)	5.45	(4.23 - 7.00)	16.23	(13.75 - 19.07)	6.37	(5.02 - 8.06)
New York	7.35	(6.61 - 8.15)	4.97	(4.22 - 5.84)	16.60	(15.11 - 18.20)	5.99	(5.14 - 6.97)
North Carolina	6.27	(5.24 - 7.50)	3.62	(2.77 - 4.73)	13.80	(11.66 - 16.26)	5.34	(4.19 - 6.79)
North Dakota	8.37	(7.22 - 9.68)	4.55	(3.55 - 5.82)	19.76	(17.20 - 22.59)	6.18	(4.92 - 7.74)
Ohio	7.37	(6.68 - 8.12)	4.64	(3.99 - 5.39)	16.92	(15.51 - 18.43)	6.15	(5.32 - 7.08)
Oklahoma	7.69	(6.48 - 9.10)	4.76	(3.69 - 6.13)	16.32	(13.66 - 19.38)	6.48	(5.14 - 8.13)
Oregon	7.98	(6.72 - 9.44)	5.13	(3.98 - 6.60)	16.52	(14.07 - 19.31)	6.93	(5.51 - 8.68)
Pennsylvania	6.84	(6.11 - 7.66)	4.16	(3.49 - 4.95)	16.58	(14.98 - 18.32)	5.55	(4.71 - 6.53)
Rhode Island	8.75	(7.26 - 10.52)	4.59	(3.50 - 6.00)	18.09	(15.33 - 21.23)	7.48	(5.83 - 9.54)
South Carolina	8.05	(6.66 - 9.71)	3.88	(2.98 - 5.05)	14.50	(12.16 - 17.22)	7.49	(5.87 - 9.50)
South Dakota	9.14	(7.74 - 10.76)	6.44	(4.98 - 8.29)	20.26	(17.37 - 23.50)	7.44	(5.90 - 9.35)
Tennessee	6.39	(5.29 - 7.69)	3.70	(2.85 - 4.79)	14.00	(11.79 - 16.56)	5.51	(4.28 - 7.05)
Texas	6.91	(6.25 - 7.64)	4.58	(3.88 - 5.40)	14.74	(13.35 - 16.26)	5.76	(4.98 - 6.65)
Utah	5.71	(4.70 - 6.93)	4.00	(3.02 - 5.29)	11.53	(9.42 - 14.05)	4.58	(3.45 - 6.05)
Vermont	7.97	(6.76 - 9.37)	4.85	(3.76 - 6.24)	19.85	(17.13 - 22.88)	6.25	(4.92 - 7.93)
Virginia	8.12	(6.90 - 9.53)	5.02	(3.90 - 6.43)	18.83	(16.26 - 21.69)	6.63	(5.26 - 8.31)
Washington	6.40	(5.34 - 7.65)	4.29	(3.28 - 5.58)	15.16	(12.77 - 17.90)	5.22	(4.08 - 6.66)
West Virginia	6.06	(5.02 - 7.29)	4.25	(3.28 - 5.47)	14.16	(11.92 - 16.74)	5.02	(3.90 - 6.44)
Wisconsin	7.53	(6.35 - 8.90)	4.53	(3.53 - 5.80)	16.81	(14.30 - 19.65)	6.27	(4.97 - 7.88)
Wyoming	7.86	(6.68 - 9.23)	5.86	(4.54 - 7.53)	17.94	(15.41 - 20.78)	6.26	(4.95 - 7.90)

NOTE: Dependence or abuse is based on definitions found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV).

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.17 Alcohol Dependence in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	3.42	(3.26 - 3.59)	1.81	(1.65 - 1.98)	6.58	(6.27 - 6.91)	3.07	(2.88 - 3.28)
Northeast	3.37	(3.08 - 3.70)	1.84	(1.59 - 2.13)	6.99	(6.41 - 7.62)	2.95	(2.59 - 3.36)
Midwest	3.38	(3.15 - 3.62)	1.76	(1.56 - 1.97)	7.01	(6.55 - 7.49)	2.95	(2.66 - 3.27)
South	3.23	(2.99 - 3.49)	1.65	(1.46 - 1.87)	5.98	(5.56 - 6.43)	2.96	(2.66 - 3.29)
West	3.79	(3.45 - 4.18)	2.07	(1.75 - 2.45)	6.80	(6.17 - 7.48)	3.47	(3.04 - 3.97)
Alabama	3.21	(2.53 - 4.07)	1.57	(1.12 - 2.19)	5.82	(4.51 - 7.48)	2.97	(2.15 - 4.08)
Alaska	3.73	(2.95 - 4.71)	1.68	(1.20 - 2.37)	6.33	(4.86 - 8.20)	3.51	(2.56 - 4.80)
Arizona	3.83	(2.98 - 4.90)	1.95	(1.37 - 2.76)	7.42	(5.78 - 9.49)	3.46	(2.46 - 4.86)
Arkansas	3.17	(2.52 - 3.98)	1.91	(1.34 - 2.71)	6.27	(4.87 - 8.03)	2.81	(2.05 - 3.85)
California	3.99	(3.45 - 4.62)	2.15	(1.67 - 2.76)	6.58	(5.64 - 7.67)	3.75	(3.08 - 4.57)
Colorado	3.71	(2.94 - 4.66)	2.02	(1.46 - 2.79)	6.90	(5.42 - 8.75)	3.36	(2.45 - 4.58)
Connecticut	3.24	(2.54 - 4.13)	1.93	(1.34 - 2.76)	6.74	(5.21 - 8.68)	2.84	(2.03 - 3.95)
Delaware	3.20	(2.53 - 4.05)	1.92	(1.37 - 2.68)	6.69	(5.29 - 8.43)	2.78	(1.98 - 3.89)
District of Columbia	4.64	(3.69 - 5.80)	1.34	(0.89 - 2.00)	7.19	(5.71 - 9.02)	4.37	(3.22 - 5.90)
Florida	3.42	(2.90 - 4.02)	1.76	(1.37 - 2.26)	5.62	(4.76 - 6.62)	3.26	(2.64 - 4.03)
Georgia	2.89	(2.21 - 3.78)	1.40	(0.95 - 2.04)	5.32	(4.07 - 6.91)	2.67	(1.84 - 3.87)
Hawaii	3.50	(2.70 - 4.52)	2.07	(1.35 - 3.14)	7.44	(5.67 - 9.71)	3.03	(2.13 - 4.29)
Idaho	3.48	(2.82 - 4.29)	1.93	(1.40 - 2.65)	7.21	(5.73 - 9.03)	3.02	(2.23 - 4.08)
Illinois	3.34	(2.87 - 3.87)	1.57	(1.21 - 2.02)	7.57	(6.57 - 8.70)	2.80	(2.25 - 3.49)
Indiana	3.22	(2.58 - 4.02)	1.90	(1.37 - 2.64)	7.32	(5.81 - 9.18)	2.69	(1.93 - 3.73)
Iowa	3.42	(2.73 - 4.28)	2.13	(1.54 - 2.95)	7.67	(6.11 - 9.58)	2.81	(2.00 - 3.93)
Kansas	3.24	(2.62 - 4.01)	1.91	(1.37 - 2.66)	7.45	(5.88 - 9.39)	2.62	(1.89 - 3.61)
Kentucky	2.88	(2.22 - 3.75)	1.61	(1.10 - 2.33)	5.76	(4.42 - 7.48)	2.58	(1.80 - 3.67)
Louisiana	3.13	(2.48 - 3.95)	1.47	(1.04 - 2.07)	5.88	(4.61 - 7.47)	2.83	(2.05 - 3.90)
Maine	2.99	(2.32 - 3.85)	1.58	(1.09 - 2.29)	6.43	(5.06 - 8.13)	2.65	(1.88 - 3.73)
Maryland	3.34	(2.59 - 4.30)	1.52	(1.06 - 2.18)	5.77	(4.42 - 7.48)	3.16	(2.26 - 4.40)
Massachusetts	3.64	(2.94 - 4.50)	1.95	(1.41 - 2.70)	7.82	(6.28 - 9.70)	3.09	(2.27 - 4.20)
Michigan	3.66	(3.16 - 4.23)	1.73	(1.38 - 2.19)	6.05	(5.23 - 7.01)	3.49	(2.88 - 4.23)
Minnesota	3.82	(3.05 - 4.76)	1.96	(1.41 - 2.70)	7.46	(5.95 - 9.33)	3.42	(2.51 - 4.64)
Mississippi	3.15	(2.51 - 3.96)	1.41	(0.98 - 2.01)	5.93	(4.66 - 7.52)	2.88	(2.09 - 3.95)
Missouri	3.14	(2.48 - 3.97)	1.74	(1.25 - 2.41)	6.05	(4.70 - 7.76)	2.82	(2.04 - 3.90)
Montana	3.71	(2.98 - 4.60)	2.54	(1.75 - 3.68)	9.76	(7.82 - 12.12)	2.79	(1.97 - 3.93)

(continued)

Table B.17 Alcohol Dependence in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	3.16	(2.50 - 3.99)	1.70	(1.21 - 2.38)	6.54	(5.12 - 8.31)	2.70	(1.93 - 3.76)
Nevada	3.71	(2.94 - 4.68)	2.01	(1.41 - 2.85)	7.77	(6.15 - 9.78)	3.30	(2.39 - 4.56)
New Hampshire	3.31	(2.64 - 4.14)	2.11	(1.51 - 2.94)	7.39	(5.82 - 9.33)	2.80	(2.05 - 3.83)
New Jersey	3.05	(2.37 - 3.92)	1.63	(1.15 - 2.30)	5.91	(4.57 - 7.61)	2.78	(1.98 - 3.89)
New Mexico	3.93	(3.10 - 4.98)	2.22	(1.58 - 3.12)	7.62	(6.07 - 9.53)	3.48	(2.50 - 4.82)
New York	3.62	(3.11 - 4.21)	2.05	(1.61 - 2.61)	7.48	(6.49 - 8.61)	3.12	(2.50 - 3.89)
North Carolina	3.15	(2.51 - 3.95)	1.53	(1.08 - 2.18)	5.77	(4.50 - 7.39)	2.91	(2.14 - 3.94)
North Dakota	3.64	(2.98 - 4.45)	1.85	(1.32 - 2.58)	7.91	(6.37 - 9.78)	2.86	(2.09 - 3.92)
Ohio	3.18	(2.74 - 3.69)	1.65	(1.30 - 2.07)	6.97	(6.11 - 7.94)	2.76	(2.23 - 3.40)
Oklahoma	3.11	(2.48 - 3.89)	1.67	(1.17 - 2.36)	6.69	(5.17 - 8.62)	2.63	(1.91 - 3.63)
Oregon	4.09	(3.19 - 5.24)	2.09	(1.48 - 2.94)	6.68	(5.25 - 8.47)	3.90	(2.83 - 5.36)
Pennsylvania	3.10	(2.63 - 3.66)	1.56	(1.20 - 2.03)	6.46	(5.52 - 7.55)	2.73	(2.16 - 3.44)
Rhode Island	3.94	(3.11 - 4.97)	1.87	(1.33 - 2.63)	7.32	(5.66 - 9.43)	3.54	(2.57 - 4.86)
South Carolina	3.97	(3.04 - 5.16)	1.41	(0.95 - 2.09)	5.42	(4.17 - 7.02)	4.03	(2.88 - 5.61)
South Dakota	3.69	(2.95 - 4.62)	2.35	(1.65 - 3.32)	7.96	(6.29 - 10.02)	3.08	(2.21 - 4.29)
Tennessee	3.21	(2.51 - 4.09)	1.54	(1.09 - 2.16)	5.71	(4.40 - 7.38)	3.01	(2.18 - 4.14)
Texas	3.14	(2.71 - 3.65)	1.82	(1.44 - 2.31)	6.03	(5.20 - 6.98)	2.79	(2.25 - 3.44)
Utah	2.94	(2.32 - 3.71)	1.88	(1.31 - 2.68)	5.44	(4.13 - 7.13)	2.50	(1.76 - 3.55)
Vermont	3.74	(2.98 - 4.69)	1.85	(1.31 - 2.61)	7.19	(5.66 - 9.10)	3.35	(2.44 - 4.59)
Virginia	3.34	(2.69 - 4.15)	1.81	(1.30 - 2.51)	7.87	(6.31 - 9.78)	2.74	(1.99 - 3.76)
Washington	3.06	(2.42 - 3.86)	1.83	(1.28 - 2.60)	6.85	(5.41 - 8.64)	2.59	(1.85 - 3.61)
West Virginia	3.17	(2.46 - 4.09)	1.74	(1.22 - 2.48)	6.12	(4.76 - 7.85)	2.88	(2.04 - 4.05)
Wisconsin	3.42	(2.72 - 4.29)	1.78	(1.28 - 2.47)	6.94	(5.48 - 8.77)	3.01	(2.19 - 4.12)
Wyoming	3.58	(2.89 - 4.43)	2.14	(1.53 - 2.98)	7.96	(6.40 - 9.87)	2.95	(2.14 - 4.05)

NOTE: Dependence is based on the definition found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV).

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.18 *Illicit Drug Dependence or Abuse in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	2.82	(2.69 - 2.95)	4.52	(4.27 - 4.78)	7.80	(7.46 - 8.15)	1.74	(1.60 - 1.90)
Northeast	2.94	(2.71 - 3.18)	4.54	(4.11 - 5.00)	8.78	(8.13 - 9.48)	1.76	(1.52 - 2.04)
Midwest	2.68	(2.50 - 2.87)	4.41	(4.06 - 4.79)	7.53	(7.06 - 8.03)	1.61	(1.42 - 1.83)
South	2.70	(2.52 - 2.88)	4.21	(3.88 - 4.57)	7.15	(6.71 - 7.62)	1.74	(1.55 - 1.96)
West	3.06	(2.80 - 3.35)	5.07	(4.58 - 5.62)	8.28	(7.60 - 9.01)	1.85	(1.57 - 2.18)
Alabama	2.68	(2.10 - 3.41)	3.94	(2.99 - 5.17)	6.81	(5.27 - 8.75)	1.81	(1.24 - 2.63)
Alaska	2.79	(2.22 - 3.50)	4.48	(3.37 - 5.95)	7.19	(5.53 - 9.29)	1.68	(1.15 - 2.46)
Arizona	3.06	(2.41 - 3.87)	4.87	(3.65 - 6.46)	8.15	(6.46 - 10.25)	1.96	(1.32 - 2.88)
Arkansas	2.63	(2.09 - 3.30)	4.25	(3.24 - 5.57)	6.52	(5.12 - 8.26)	1.78	(1.25 - 2.55)
California	3.15	(2.75 - 3.60)	5.11	(4.35 - 6.00)	8.20	(7.17 - 9.37)	1.92	(1.49 - 2.46)
Colorado	3.19	(2.55 - 3.99)	6.25	(4.82 - 8.08)	9.38	(7.52 - 11.65)	1.76	(1.17 - 2.65)
Connecticut	2.91	(2.30 - 3.67)	4.42	(3.37 - 5.79)	9.05	(7.19 - 11.34)	1.72	(1.15 - 2.55)
Delaware	2.77	(2.21 - 3.47)	4.89	(3.72 - 6.41)	8.33	(6.64 - 10.40)	1.60	(1.07 - 2.40)
District of Columbia	3.85	(2.97 - 4.98)	3.76	(2.74 - 5.14)	7.10	(5.53 - 9.08)	3.15	(2.18 - 4.53)
Florida	2.71	(2.34 - 3.14)	4.33	(3.64 - 5.15)	7.39	(6.43 - 8.47)	1.83	(1.43 - 2.35)
Georgia	2.22	(1.71 - 2.88)	3.86	(2.86 - 5.20)	5.80	(4.44 - 7.55)	1.37	(0.87 - 2.16)
Hawaii	2.57	(1.97 - 3.34)	4.07	(2.97 - 5.54)	7.40	(5.60 - 9.70)	1.65	(1.07 - 2.52)
Idaho	3.14	(2.52 - 3.91)	4.56	(3.46 - 5.98)	8.30	(6.62 - 10.36)	2.00	(1.39 - 2.87)
Illinois	2.67	(2.33 - 3.07)	4.32	(3.63 - 5.13)	7.99	(6.96 - 9.16)	1.50	(1.15 - 1.96)
Indiana	2.98	(2.38 - 3.72)	4.21	(3.20 - 5.54)	8.04	(6.39 - 10.07)	1.94	(1.34 - 2.79)
Iowa	2.09	(1.59 - 2.74)	4.85	(3.61 - 6.49)	5.48	(4.05 - 7.38)	1.14	(0.69 - 1.88)
Kansas	2.52	(1.99 - 3.18)	3.93	(2.95 - 5.22)	7.41	(5.81 - 9.41)	1.40	(0.92 - 2.12)
Kentucky	2.68	(2.15 - 3.34)	4.71	(3.58 - 6.17)	7.83	(6.28 - 9.71)	1.62	(1.11 - 2.36)
Louisiana	2.70	(2.15 - 3.37)	3.73	(2.86 - 4.85)	7.29	(5.78 - 9.16)	1.68	(1.14 - 2.47)
Maine	2.60	(2.06 - 3.27)	3.99	(3.01 - 5.29)	9.75	(7.78 - 12.15)	1.43	(0.96 - 2.15)
Maryland	2.95	(2.31 - 3.75)	3.93	(2.94 - 5.22)	8.45	(6.65 - 10.68)	1.90	(1.29 - 2.80)
Massachusetts	3.31	(2.65 - 4.14)	5.27	(4.07 - 6.82)	9.24	(7.38 - 11.51)	2.04	(1.40 - 2.95)
Michigan	2.75	(2.39 - 3.15)	4.40	(3.74 - 5.17)	7.62	(6.68 - 8.68)	1.70	(1.32 - 2.17)
Minnesota	2.49	(1.98 - 3.12)	4.15	(3.14 - 5.48)	7.37	(5.87 - 9.21)	1.45	(0.98 - 2.15)
Mississippi	2.98	(2.39 - 3.71)	3.97	(2.99 - 5.26)	7.45	(5.96 - 9.27)	2.01	(1.41 - 2.86)
Missouri	2.67	(2.14 - 3.34)	4.18	(3.19 - 5.45)	7.87	(6.22 - 9.91)	1.61	(1.10 - 2.35)
Montana	2.70	(2.17 - 3.37)	4.97	(3.82 - 6.43)	7.99	(6.41 - 9.92)	1.52	(1.02 - 2.26)

(continued)

Table B.18 *Illicit Drug Dependence or Abuse in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	2.24	(1.73 - 2.89)	3.90	(2.93 - 5.17)	5.64	(4.31 - 7.34)	1.37	(0.88 - 2.11)
Nevada	2.90	(2.25 - 3.74)	4.37	(3.21 - 5.94)	7.04	(5.48 - 9.00)	2.08	(1.41 - 3.06)
New Hampshire	3.41	(2.74 - 4.24)	6.49	(4.95 - 8.47)	10.58	(8.63 - 12.91)	1.92	(1.28 - 2.86)
New Jersey	2.59	(2.04 - 3.28)	3.93	(2.96 - 5.21)	7.75	(6.09 - 9.82)	1.63	(1.10 - 2.40)
New Mexico	3.17	(2.54 - 3.95)	6.80	(5.29 - 8.69)	8.31	(6.64 - 10.36)	1.76	(1.17 - 2.65)
New York	2.99	(2.60 - 3.44)	4.49	(3.76 - 5.35)	8.97	(7.87 - 10.21)	1.75	(1.35 - 2.27)
North Carolina	2.76	(2.18 - 3.50)	4.10	(3.14 - 5.34)	7.75	(6.16 - 9.71)	1.77	(1.21 - 2.59)
North Dakota	2.03	(1.55 - 2.66)	3.88	(2.83 - 5.28)	5.24	(3.90 - 6.99)	1.06	(0.64 - 1.77)
Ohio	2.85	(2.49 - 3.26)	4.57	(3.89 - 5.36)	8.03	(7.09 - 9.08)	1.79	(1.40 - 2.28)
Oklahoma	3.09	(2.45 - 3.91)	4.83	(3.61 - 6.43)	8.06	(6.29 - 10.28)	1.95	(1.33 - 2.85)
Oregon	3.18	(2.54 - 3.97)	5.53	(4.32 - 7.06)	9.14	(7.28 - 11.42)	1.95	(1.34 - 2.84)
Pennsylvania	2.83	(2.45 - 3.28)	4.50	(3.75 - 5.38)	8.24	(7.18 - 9.44)	1.75	(1.35 - 2.27)
Rhode Island	3.42	(2.72 - 4.28)	5.14	(3.90 - 6.73)	10.35	(8.25 - 12.92)	1.91	(1.27 - 2.84)
South Carolina	2.84	(2.24 - 3.61)	4.02	(3.03 - 5.32)	7.03	(5.52 - 8.92)	2.01	(1.39 - 2.90)
South Dakota	2.38	(1.85 - 3.05)	4.93	(3.67 - 6.58)	5.91	(4.51 - 7.71)	1.42	(0.92 - 2.18)
Tennessee	2.60	(2.05 - 3.28)	4.05	(3.08 - 5.30)	6.52	(5.07 - 8.35)	1.81	(1.25 - 2.60)
Texas	2.62	(2.28 - 3.01)	4.35	(3.65 - 5.18)	6.57	(5.68 - 7.58)	1.62	(1.25 - 2.08)
Utah	2.97	(2.40 - 3.66)	4.73	(3.66 - 6.08)	7.24	(5.69 - 9.17)	1.62	(1.10 - 2.38)
Vermont	3.17	(2.58 - 3.89)	4.52	(3.46 - 5.88)	10.97	(8.96 - 13.38)	1.68	(1.14 - 2.47)
Virginia	2.86	(2.28 - 3.58)	4.65	(3.57 - 6.03)	8.06	(6.42 - 10.06)	1.74	(1.18 - 2.55)
Washington	2.72	(2.17 - 3.41)	4.25	(3.23 - 5.57)	9.03	(7.20 - 11.26)	1.51	(1.01 - 2.25)
West Virginia	2.70	(2.10 - 3.46)	3.47	(2.51 - 4.79)	8.79	(7.02 - 10.95)	1.70	(1.13 - 2.56)
Wisconsin	2.70	(2.13 - 3.40)	5.16	(3.95 - 6.72)	6.96	(5.41 - 8.92)	1.65	(1.12 - 2.43)
Wyoming	2.31	(1.78 - 2.99)	4.99	(3.76 - 6.59)	6.02	(4.59 - 7.87)	1.30	(0.81 - 2.09)

NOTE: Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

NOTE: Dependence or abuse is based on definitions found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)*.

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.19 *Illicit Drug Dependence in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	1.93	(1.82 - 2.03)	2.44	(2.26 - 2.63)	5.43	(5.14 - 5.73)	1.25	(1.13 - 1.38)
Northeast	2.13	(1.93 - 2.35)	2.51	(2.20 - 2.86)	6.41	(5.83 - 7.05)	1.36	(1.15 - 1.61)
Midwest	1.85	(1.70 - 2.01)	2.37	(2.12 - 2.65)	5.14	(4.74 - 5.57)	1.21	(1.04 - 1.39)
South	1.82	(1.67 - 1.98)	2.27	(2.04 - 2.52)	4.93	(4.54 - 5.36)	1.22	(1.06 - 1.42)
West	2.02	(1.82 - 2.24)	2.70	(2.36 - 3.09)	5.70	(5.13 - 6.32)	1.26	(1.04 - 1.51)
Alabama	1.78	(1.36 - 2.32)	2.11	(1.51 - 2.94)	4.85	(3.57 - 6.55)	1.20	(0.82 - 1.78)
Alaska	1.93	(1.50 - 2.48)	2.61	(1.85 - 3.67)	4.85	(3.54 - 6.62)	1.26	(0.86 - 1.84)
Arizona	1.94	(1.50 - 2.51)	2.63	(1.85 - 3.74)	5.63	(4.18 - 7.55)	1.23	(0.83 - 1.81)
Arkansas	1.86	(1.42 - 2.43)	2.36	(1.68 - 3.32)	4.45	(3.22 - 6.11)	1.37	(0.95 - 1.98)
California	2.05	(1.76 - 2.40)	2.62	(2.11 - 3.24)	5.76	(4.88 - 6.78)	1.27	(0.98 - 1.66)
Colorado	1.84	(1.42 - 2.38)	3.49	(2.46 - 4.92)	5.04	(3.70 - 6.83)	1.09	(0.71 - 1.68)
Connecticut	2.02	(1.55 - 2.63)	2.40	(1.70 - 3.37)	6.01	(4.53 - 7.93)	1.32	(0.88 - 1.97)
Delaware	2.09	(1.65 - 2.66)	2.90	(2.04 - 4.10)	6.72	(5.08 - 8.84)	1.24	(0.84 - 1.82)
District of Columbia	2.55	(1.92 - 3.38)	2.09	(1.41 - 3.10)	4.70	(3.38 - 6.49)	2.12	(1.46 - 3.08)
Florida	1.66	(1.39 - 1.98)	2.21	(1.76 - 2.78)	4.92	(4.13 - 5.85)	1.11	(0.84 - 1.47)
Georgia	1.45	(1.05 - 2.00)	2.11	(1.44 - 3.07)	3.48	(2.40 - 5.01)	1.00	(0.62 - 1.62)
Hawaii	1.55	(1.15 - 2.09)	2.04	(1.38 - 3.02)	4.56	(3.18 - 6.49)	1.02	(0.65 - 1.60)
Idaho	2.18	(1.72 - 2.77)	2.80	(2.01 - 3.91)	5.80	(4.38 - 7.64)	1.44	(0.99 - 2.09)
Illinois	1.87	(1.59 - 2.20)	2.20	(1.69 - 2.86)	5.67	(4.82 - 6.66)	1.14	(0.86 - 1.52)
Indiana	2.08	(1.60 - 2.70)	2.45	(1.75 - 3.42)	5.66	(4.18 - 7.61)	1.41	(0.97 - 2.07)
Iowa	1.41	(1.04 - 1.91)	2.84	(1.98 - 4.06)	3.42	(2.36 - 4.94)	0.87	(0.53 - 1.44)
Kansas	1.63	(1.24 - 2.14)	2.12	(1.47 - 3.04)	4.46	(3.18 - 6.22)	1.03	(0.68 - 1.55)
Kentucky	1.99	(1.56 - 2.55)	2.36	(1.67 - 3.31)	6.13	(4.64 - 8.05)	1.29	(0.89 - 1.87)
Louisiana	1.99	(1.54 - 2.57)	2.28	(1.60 - 3.22)	5.25	(3.93 - 6.99)	1.33	(0.91 - 1.94)
Maine	2.05	(1.61 - 2.60)	2.36	(1.67 - 3.32)	7.69	(5.93 - 9.93)	1.21	(0.83 - 1.77)
Maryland	2.12	(1.62 - 2.78)	2.18	(1.52 - 3.10)	6.04	(4.44 - 8.18)	1.45	(0.98 - 2.14)
Massachusetts	2.38	(1.87 - 3.03)	2.98	(2.14 - 4.14)	6.87	(5.21 - 9.00)	1.52	(1.04 - 2.21)
Michigan	1.88	(1.61 - 2.20)	2.33	(1.88 - 2.88)	5.46	(4.64 - 6.41)	1.21	(0.93 - 1.58)
Minnesota	1.51	(1.15 - 1.97)	2.17	(1.52 - 3.08)	4.09	(2.91 - 5.71)	0.98	(0.66 - 1.46)
Mississippi	2.03	(1.59 - 2.58)	2.10	(1.48 - 2.99)	5.10	(3.83 - 6.76)	1.44	(1.00 - 2.06)
Missouri	1.88	(1.47 - 2.41)	2.36	(1.68 - 3.32)	5.57	(4.19 - 7.38)	1.20	(0.83 - 1.74)
Montana	1.92	(1.51 - 2.44)	2.52	(1.82 - 3.49)	5.51	(4.12 - 7.32)	1.23	(0.85 - 1.77)

(continued)

Table B.19 Illicit Drug Dependence in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	1.60	(1.21 - 2.13)	2.39	(1.67 - 3.40)	3.79	(2.68 - 5.34)	1.08	(0.71 - 1.65)
Nevada	1.87	(1.42 - 2.45)	2.60	(1.83 - 3.68)	4.86	(3.57 - 6.57)	1.31	(0.88 - 1.95)
New Hampshire	2.35	(1.83 - 3.01)	3.38	(2.40 - 4.74)	7.28	(5.62 - 9.38)	1.45	(0.97 - 2.16)
New Jersey	1.79	(1.37 - 2.33)	2.04	(1.42 - 2.93)	5.52	(4.07 - 7.43)	1.18	(0.80 - 1.74)
New Mexico	1.98	(1.54 - 2.54)	3.53	(2.50 - 4.96)	5.80	(4.31 - 7.78)	1.08	(0.71 - 1.63)
New York	2.22	(1.89 - 2.60)	2.44	(1.94 - 3.07)	6.59	(5.61 - 7.73)	1.42	(1.08 - 1.86)
North Carolina	1.95	(1.51 - 2.51)	2.30	(1.66 - 3.19)	5.65	(4.28 - 7.42)	1.29	(0.88 - 1.89)
North Dakota	1.47	(1.08 - 1.99)	2.28	(1.57 - 3.30)	3.57	(2.50 - 5.07)	0.88	(0.54 - 1.44)
Ohio	2.04	(1.74 - 2.39)	2.40	(1.94 - 2.97)	5.64	(4.84 - 6.56)	1.41	(1.09 - 1.82)
Oklahoma	1.99	(1.53 - 2.58)	2.50	(1.75 - 3.55)	5.10	(3.74 - 6.92)	1.35	(0.92 - 1.98)
Oregon	2.32	(1.81 - 2.98)	2.99	(2.16 - 4.12)	6.82	(5.20 - 8.91)	1.53	(1.05 - 2.22)
Pennsylvania	2.08	(1.75 - 2.45)	2.59	(2.06 - 3.25)	6.19	(5.23 - 7.32)	1.34	(1.01 - 1.76)
Rhode Island	2.42	(1.87 - 3.13)	3.18	(2.26 - 4.45)	7.03	(5.25 - 9.36)	1.47	(0.99 - 2.18)
South Carolina	1.76	(1.35 - 2.31)	1.93	(1.35 - 2.74)	4.54	(3.30 - 6.21)	1.28	(0.87 - 1.90)
South Dakota	1.61	(1.19 - 2.16)	2.80	(1.94 - 4.02)	3.88	(2.68 - 5.58)	1.04	(0.66 - 1.63)
Tennessee	1.75	(1.35 - 2.27)	2.05	(1.45 - 2.88)	4.48	(3.27 - 6.10)	1.28	(0.89 - 1.86)
Texas	1.77	(1.50 - 2.09)	2.38	(1.92 - 2.95)	4.60	(3.84 - 5.51)	1.14	(0.87 - 1.51)
Utah	1.99	(1.57 - 2.50)	2.45	(1.74 - 3.44)	4.79	(3.58 - 6.39)	1.22	(0.85 - 1.75)
Vermont	2.28	(1.80 - 2.89)	2.51	(1.77 - 3.56)	7.82	(6.03 - 10.08)	1.30	(0.88 - 1.92)
Virginia	1.94	(1.52 - 2.48)	2.50	(1.79 - 3.48)	5.31	(3.97 - 7.07)	1.29	(0.89 - 1.87)
Washington	2.03	(1.60 - 2.57)	2.57	(1.86 - 3.54)	6.52	(4.98 - 8.50)	1.23	(0.84 - 1.80)
West Virginia	2.18	(1.69 - 2.80)	2.13	(1.47 - 3.10)	7.50	(5.76 - 9.72)	1.38	(0.93 - 2.04)
Wisconsin	1.84	(1.41 - 2.39)	2.71	(1.95 - 3.76)	4.54	(3.30 - 6.20)	1.26	(0.86 - 1.85)
Wyoming	1.55	(1.15 - 2.09)	2.68	(1.88 - 3.81)	3.76	(2.60 - 5.40)	1.01	(0.64 - 1.60)

NOTE: Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

NOTE: Dependence is based on the definition found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)*.

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.20 *Dependence or Abuse of Illicit Drugs or Alcohol in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	8.87	(8.62 - 9.13)	7.20	(6.88 - 7.54)	20.04	(19.49 - 20.60)	7.14	(6.84 - 7.46)
Northeast	9.07	(8.62 - 9.54)	7.38	(6.81 - 8.00)	21.50	(20.44 - 22.61)	7.18	(6.64 - 7.76)
Midwest	8.98	(8.60 - 9.38)	7.15	(6.73 - 7.61)	20.57	(19.69 - 21.49)	7.19	(6.72 - 7.69)
South	8.31	(7.95 - 8.68)	6.55	(6.14 - 7.00)	18.66	(17.81 - 19.54)	6.76	(6.32 - 7.22)
West	9.51	(9.00 - 10.04)	8.10	(7.45 - 8.81)	20.53	(19.41 - 21.69)	7.69	(7.08 - 8.35)
Alabama	8.29	(7.08 - 9.69)	6.64	(5.30 - 8.27)	17.65	(15.07 - 20.57)	6.89	(5.53 - 8.55)
Alaska	9.14	(7.82 - 10.64)	7.16	(5.60 - 9.11)	19.22	(16.47 - 22.32)	7.43	(5.97 - 9.23)
Arizona	9.38	(8.01 - 10.96)	7.55	(5.94 - 9.55)	21.64	(18.72 - 24.88)	7.55	(6.03 - 9.42)
Arkansas	7.86	(6.66 - 9.26)	6.65	(5.27 - 8.36)	17.52	(15.03 - 20.33)	6.42	(5.11 - 8.02)
California	9.84	(9.03 - 10.72)	8.30	(7.29 - 9.45)	20.31	(18.62 - 22.11)	8.07	(7.10 - 9.16)
Colorado	10.21	(8.76 - 11.88)	9.45	(7.58 - 11.72)	23.73	(20.86 - 26.87)	7.97	(6.39 - 9.90)
Connecticut	9.36	(8.00 - 10.94)	7.18	(5.67 - 9.04)	22.66	(19.86 - 25.73)	7.47	(5.96 - 9.33)
Delaware	8.91	(7.59 - 10.43)	7.89	(6.22 - 9.95)	22.02	(19.29 - 25.02)	6.87	(5.41 - 8.68)
District of Columbia	12.03	(10.32 - 13.97)	5.74	(4.43 - 7.41)	20.29	(17.64 - 23.22)	10.77	(8.78 - 13.14)
Florida	8.32	(7.57 - 9.14)	6.93	(6.02 - 7.96)	17.63	(16.12 - 19.25)	7.07	(6.19 - 8.07)
Georgia	7.49	(6.36 - 8.81)	5.86	(4.61 - 7.41)	18.31	(15.86 - 21.03)	5.83	(4.57 - 7.40)
Hawaii	8.81	(7.46 - 10.37)	8.17	(6.24 - 10.62)	20.38	(17.46 - 23.65)	7.04	(5.58 - 8.85)
Idaho	9.66	(8.38 - 11.12)	8.02	(6.44 - 9.96)	21.40	(18.71 - 24.36)	7.75	(6.31 - 9.50)
Illinois	8.75	(7.99 - 9.57)	6.71	(5.79 - 7.75)	20.96	(19.30 - 22.73)	6.81	(5.93 - 7.81)
Indiana	8.85	(7.63 - 10.23)	6.56	(5.23 - 8.20)	19.97	(17.28 - 22.96)	7.22	(5.87 - 8.86)
Iowa	9.17	(7.92 - 10.59)	8.06	(6.52 - 9.93)	21.82	(19.03 - 24.89)	7.02	(5.66 - 8.67)
Kansas	9.05	(7.84 - 10.43)	7.50	(6.04 - 9.28)	20.76	(18.05 - 23.75)	7.02	(5.68 - 8.65)
Kentucky	7.66	(6.52 - 8.98)	6.58	(5.20 - 8.29)	18.23	(15.68 - 21.09)	6.10	(4.86 - 7.63)
Louisiana	8.24	(7.03 - 9.63)	5.61	(4.38 - 7.15)	19.00	(16.42 - 21.88)	6.53	(5.19 - 8.18)
Maine	7.96	(6.78 - 9.31)	6.36	(4.99 - 8.09)	20.84	(18.15 - 23.80)	6.30	(5.02 - 7.86)
Maryland	8.17	(6.88 - 9.69)	5.64	(4.34 - 7.31)	18.57	(15.84 - 21.65)	6.73	(5.32 - 8.49)
Massachusetts	10.75	(9.30 - 12.39)	8.46	(6.82 - 10.47)	25.05	(22.09 - 28.27)	8.48	(6.87 - 10.42)
Michigan	9.30	(8.52 - 10.14)	7.21	(6.36 - 8.15)	19.72	(18.17 - 21.36)	7.78	(6.84 - 8.83)
Minnesota	9.05	(7.77 - 10.52)	7.04	(5.64 - 8.75)	20.70	(18.09 - 23.58)	7.29	(5.87 - 9.01)
Mississippi	7.82	(6.65 - 9.19)	6.11	(4.82 - 7.71)	17.18	(14.78 - 19.87)	6.32	(5.00 - 7.95)
Missouri	7.98	(6.80 - 9.34)	6.84	(5.46 - 8.53)	18.48	(15.98 - 21.26)	6.35	(5.05 - 7.95)
Montana	10.63	(9.21 - 12.23)	9.95	(8.03 - 12.26)	25.89	(22.91 - 29.12)	8.05	(6.47 - 9.97)

(continued)

Table B.20 Dependence or Abuse of Illicit Drugs or Alcohol in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	9.08	(7.81 - 10.53)	6.51	(5.19 - 8.14)	20.87	(18.17 - 23.85)	7.13	(5.72 - 8.86)
Nevada	9.85	(8.41 - 11.50)	7.89	(6.19 - 10.01)	21.29	(18.48 - 24.39)	8.34	(6.72 - 10.30)
New Hampshire	9.79	(8.39 - 11.39)	9.86	(7.94 - 12.18)	24.04	(21.16 - 27.17)	7.53	(5.98 - 9.43)
New Jersey	7.79	(6.64 - 9.12)	6.08	(4.77 - 7.71)	18.61	(16.03 - 21.49)	6.33	(5.05 - 7.91)
New Mexico	9.48	(8.17 - 10.99)	9.77	(7.94 - 11.97)	20.04	(17.43 - 22.93)	7.52	(6.03 - 9.33)
New York	9.14	(8.36 - 9.98)	7.76	(6.75 - 8.91)	21.45	(19.77 - 23.22)	7.13	(6.21 - 8.17)
North Carolina	7.82	(6.62 - 9.21)	5.89	(4.64 - 7.45)	17.94	(15.49 - 20.68)	6.37	(5.03 - 8.03)
North Dakota	9.38	(8.19 - 10.74)	6.69	(5.33 - 8.38)	21.62	(18.99 - 24.50)	6.87	(5.54 - 8.48)
Ohio	9.08	(8.30 - 9.92)	7.37	(6.48 - 8.36)	21.43	(19.87 - 23.07)	7.27	(6.35 - 8.31)
Oklahoma	9.54	(8.12 - 11.19)	7.38	(5.83 - 9.30)	20.48	(17.55 - 23.77)	7.80	(6.23 - 9.73)
Oregon	9.67	(8.27 - 11.29)	8.79	(7.14 - 10.79)	20.54	(17.87 - 23.49)	8.03	(6.46 - 9.95)
Pennsylvania	8.74	(7.91 - 9.65)	7.02	(6.08 - 8.08)	20.58	(18.79 - 22.49)	6.99	(6.04 - 8.07)
Rhode Island	10.78	(9.19 - 12.61)	7.59	(6.01 - 9.55)	23.07	(20.04 - 26.40)	8.84	(7.04 - 11.03)
South Carolina	9.45	(7.99 - 11.15)	6.33	(5.02 - 7.96)	18.62	(16.08 - 21.46)	8.31	(6.63 - 10.37)
South Dakota	10.25	(8.85 - 11.85)	8.74	(6.94 - 10.96)	22.38	(19.53 - 25.52)	8.22	(6.68 - 10.09)
Tennessee	8.06	(6.83 - 9.50)	6.05	(4.85 - 7.53)	18.33	(15.75 - 21.23)	6.69	(5.31 - 8.39)
Texas	8.26	(7.53 - 9.05)	6.92	(6.03 - 7.92)	18.49	(16.98 - 20.10)	6.50	(5.64 - 7.48)
Utah	7.43	(6.30 - 8.74)	6.17	(4.76 - 7.95)	16.33	(13.79 - 19.24)	5.45	(4.22 - 7.02)
Vermont	9.87	(8.50 - 11.43)	8.02	(6.39 - 10.01)	25.59	(22.54 - 28.91)	7.36	(5.87 - 9.19)
Virginia	9.63	(8.34 - 11.09)	7.65	(6.12 - 9.53)	23.09	(20.29 - 26.14)	7.52	(6.08 - 9.27)
Washington	7.90	(6.72 - 9.27)	6.42	(5.09 - 8.08)	19.63	(17.07 - 22.47)	6.16	(4.87 - 7.76)
West Virginia	7.69	(6.50 - 9.07)	6.16	(4.85 - 7.80)	18.90	(16.33 - 21.76)	6.16	(4.87 - 7.76)
Wisconsin	9.50	(8.17 - 11.02)	8.21	(6.62 - 10.14)	20.88	(18.19 - 23.86)	7.67	(6.19 - 9.48)
Wyoming	8.77	(7.53 - 10.18)	8.53	(6.86 - 10.58)	19.83	(17.36 - 22.57)	6.76	(5.37 - 8.49)

NOTE: Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

NOTE: Dependence or abuse is based on definitions found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)*.

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.21 *Needing But Not Receiving Treatment for Illicit Drug Use in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	2.53	(2.41 - 2.66)	4.21	(3.98 - 4.46)	7.14	(6.81 - 7.48)	1.52	(1.38 - 1.67)
Northeast	2.57	(2.38 - 2.78)	4.23	(3.83 - 4.68)	7.93	(7.33 - 8.57)	1.47	(1.27 - 1.71)
Midwest	2.39	(2.24 - 2.56)	4.09	(3.76 - 4.44)	6.91	(6.46 - 7.38)	1.39	(1.22 - 1.58)
South	2.41	(2.25 - 2.59)	3.94	(3.62 - 4.28)	6.57	(6.11 - 7.07)	1.51	(1.33 - 1.71)
West	2.82	(2.58 - 3.08)	4.74	(4.24 - 5.30)	7.61	(6.95 - 8.33)	1.70	(1.44 - 2.00)
Alabama	2.37	(1.89 - 2.96)	3.67	(2.77 - 4.85)	6.44	(5.01 - 8.25)	1.50	(1.06 - 2.13)
Alaska	2.74	(2.16 - 3.46)	4.19	(3.10 - 5.66)	6.49	(4.99 - 8.40)	1.79	(1.23 - 2.59)
Arizona	2.72	(2.17 - 3.40)	4.46	(3.30 - 6.01)	7.67	(5.99 - 9.77)	1.65	(1.16 - 2.36)
Arkansas	2.28	(1.83 - 2.85)	4.02	(3.03 - 5.32)	6.04	(4.68 - 7.76)	1.44	(1.03 - 2.03)
California	2.95	(2.58 - 3.37)	4.87	(4.11 - 5.77)	7.52	(6.53 - 8.66)	1.82	(1.43 - 2.31)
Colorado	2.88	(2.34 - 3.54)	5.72	(4.31 - 7.56)	8.95	(7.10 - 11.22)	1.50	(1.05 - 2.14)
Connecticut	2.46	(1.98 - 3.06)	4.09	(3.07 - 5.43)	7.90	(6.20 - 10.01)	1.38	(0.96 - 1.98)
Delaware	2.40	(1.91 - 3.02)	4.14	(3.08 - 5.54)	7.23	(5.72 - 9.11)	1.40	(0.96 - 2.05)
District of Columbia	2.80	(2.20 - 3.56)	3.54	(2.57 - 4.86)	6.43	(4.97 - 8.27)	1.94	(1.36 - 2.77)
Florida	2.47	(2.13 - 2.86)	4.05	(3.39 - 4.85)	6.76	(5.81 - 7.86)	1.65	(1.30 - 2.10)
Georgia	2.04	(1.58 - 2.64)	3.57	(2.61 - 4.87)	5.20	(3.87 - 6.95)	1.29	(0.85 - 1.94)
Hawaii	2.39	(1.84 - 3.09)	3.78	(2.72 - 5.23)	7.01	(5.32 - 9.19)	1.50	(1.00 - 2.25)
Idaho	2.85	(2.28 - 3.56)	4.39	(3.32 - 5.79)	7.70	(6.02 - 9.79)	1.75	(1.23 - 2.49)
Illinois	2.44	(2.14 - 2.78)	4.04	(3.36 - 4.85)	7.54	(6.55 - 8.67)	1.31	(1.02 - 1.68)
Indiana	2.66	(2.14 - 3.31)	3.99	(3.00 - 5.30)	7.43	(5.82 - 9.43)	1.66	(1.17 - 2.36)
Iowa	2.00	(1.58 - 2.54)	4.60	(3.43 - 6.15)	5.28	(4.00 - 6.94)	1.09	(0.72 - 1.66)
Kansas	2.12	(1.69 - 2.66)	3.49	(2.57 - 4.71)	6.46	(4.97 - 8.34)	1.11	(0.76 - 1.62)
Kentucky	2.45	(1.97 - 3.05)	4.27	(3.20 - 5.67)	7.23	(5.66 - 9.20)	1.47	(1.03 - 2.09)
Louisiana	2.46	(1.96 - 3.08)	3.50	(2.63 - 4.65)	6.68	(5.19 - 8.55)	1.51	(1.05 - 2.17)
Maine	2.38	(1.90 - 2.98)	3.66	(2.70 - 4.94)	8.71	(6.91 - 10.93)	1.35	(0.93 - 1.95)
Maryland	2.55	(2.04 - 3.19)	3.77	(2.84 - 5.00)	7.81	(6.07 - 9.99)	1.51	(1.05 - 2.16)
Massachusetts	2.92	(2.37 - 3.60)	5.24	(4.02 - 6.79)	8.64	(6.88 - 10.80)	1.64	(1.15 - 2.35)
Michigan	2.39	(2.08 - 2.75)	4.06	(3.44 - 4.79)	6.58	(5.72 - 7.55)	1.46	(1.12 - 1.89)
Minnesota	2.29	(1.85 - 2.83)	3.87	(2.89 - 5.17)	6.89	(5.44 - 8.67)	1.30	(0.92 - 1.85)
Mississippi	2.73	(2.20 - 3.38)	3.63	(2.68 - 4.91)	7.03	(5.56 - 8.86)	1.80	(1.28 - 2.53)
Missouri	2.47	(1.98 - 3.07)	3.85	(2.88 - 5.12)	7.16	(5.66 - 9.02)	1.50	(1.05 - 2.14)
Montana	2.42	(1.97 - 2.96)	4.65	(3.56 - 6.04)	7.23	(5.75 - 9.06)	1.32	(0.93 - 1.87)

(continued)

Table B.21 *Needing But Not Receiving Treatment for Illicit Drug Use in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	1.95	(1.52 - 2.50)	3.59	(2.64 - 4.86)	5.07	(3.82 - 6.71)	1.13	(0.76 - 1.70)
Nevada	2.50	(1.97 - 3.17)	4.02	(2.93 - 5.48)	6.52	(5.08 - 8.34)	1.69	(1.18 - 2.42)
New Hampshire	2.88	(2.32 - 3.58)	6.11	(4.62 - 8.04)	9.58	(7.73 - 11.83)	1.45	(0.96 - 2.17)
New Jersey	2.14	(1.72 - 2.67)	3.69	(2.77 - 4.92)	6.86	(5.31 - 8.81)	1.22	(0.86 - 1.74)
New Mexico	2.93	(2.37 - 3.63)	6.29	(4.81 - 8.20)	7.87	(6.24 - 9.89)	1.59	(1.08 - 2.35)
New York	2.73	(2.39 - 3.11)	4.07	(3.38 - 4.88)	8.29	(7.30 - 9.42)	1.58	(1.23 - 2.03)
North Carolina	2.50	(1.99 - 3.14)	3.83	(2.89 - 5.05)	7.01	(5.57 - 8.80)	1.59	(1.11 - 2.27)
North Dakota	1.84	(1.40 - 2.40)	3.35	(2.41 - 4.64)	4.90	(3.62 - 6.61)	0.95	(0.60 - 1.50)
Ohio	2.48	(2.19 - 2.81)	4.18	(3.55 - 4.93)	7.42	(6.53 - 8.43)	1.46	(1.16 - 1.83)
Oklahoma	2.64	(2.10 - 3.32)	4.47	(3.37 - 5.90)	6.93	(5.35 - 8.94)	1.62	(1.13 - 2.30)
Oregon	2.82	(2.29 - 3.48)	5.00	(3.83 - 6.51)	8.03	(6.31 - 10.17)	1.74	(1.24 - 2.43)
Pennsylvania	2.41	(2.09 - 2.78)	4.21	(3.49 - 5.09)	7.16	(6.17 - 8.30)	1.42	(1.10 - 1.83)
Rhode Island	2.99	(2.41 - 3.70)	4.82	(3.64 - 6.36)	9.42	(7.42 - 11.88)	1.56	(1.09 - 2.24)
South Carolina	2.52	(2.00 - 3.17)	3.89	(2.97 - 5.08)	6.46	(5.05 - 8.23)	1.70	(1.19 - 2.43)
South Dakota	2.07	(1.64 - 2.62)	4.38	(3.27 - 5.84)	5.54	(4.17 - 7.34)	1.15	(0.78 - 1.70)
Tennessee	2.36	(1.87 - 2.98)	3.62	(2.75 - 4.76)	6.04	(4.64 - 7.83)	1.63	(1.15 - 2.31)
Texas	2.36	(2.06 - 2.71)	4.07	(3.39 - 4.89)	6.19	(5.30 - 7.23)	1.38	(1.08 - 1.78)
Utah	2.57	(2.08 - 3.17)	4.30	(3.24 - 5.70)	6.09	(4.71 - 7.86)	1.41	(0.99 - 2.01)
Vermont	2.72	(2.22 - 3.32)	4.20	(3.17 - 5.55)	9.52	(7.70 - 11.71)	1.38	(0.95 - 2.00)
Virginia	2.47	(2.00 - 3.05)	4.47	(3.41 - 5.85)	7.38	(5.81 - 9.34)	1.37	(0.97 - 1.95)
Washington	2.57	(2.09 - 3.17)	3.75	(2.80 - 5.00)	8.38	(6.65 - 10.50)	1.48	(1.05 - 2.09)
West Virginia	2.31	(1.83 - 2.92)	3.24	(2.34 - 4.47)	7.74	(6.07 - 9.83)	1.40	(0.96 - 2.04)
Wisconsin	2.41	(1.92 - 3.01)	4.88	(3.74 - 6.34)	6.49	(5.04 - 8.33)	1.39	(0.96 - 2.03)
Wyoming	2.09	(1.63 - 2.68)	4.38	(3.25 - 5.87)	5.71	(4.34 - 7.46)	1.15	(0.76 - 1.75)

NOTE: Needing But Not Receiving Treatment refers to respondents classified as needing treatment for illicit drugs, but not receiving treatment for an illicit drug problem at a specialty facility (i.e., drug and alcohol rehabilitation facilities [inpatient or outpatient], hospitals [inpatient only], and mental health centers). Illicit Drugs include marijuana/hashish, cocaine (including crack), inhalants, hallucinogens, heroin, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.22 *Needing But Not Receiving Treatment for Alcohol Use in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	6.88	(6.66 - 7.10)	4.41	(4.15 - 4.69)	15.26	(14.78 - 15.77)	5.73	(5.46 - 6.00)
Northeast	6.90	(6.50 - 7.33)	4.44	(4.03 - 4.89)	16.23	(15.36 - 17.14)	5.62	(5.15 - 6.13)
Midwest	6.98	(6.64 - 7.33)	4.37	(4.05 - 4.71)	15.91	(15.20 - 16.64)	5.75	(5.35 - 6.18)
South	6.46	(6.13 - 6.81)	4.08	(3.78 - 4.41)	14.04	(13.36 - 14.76)	5.46	(5.06 - 5.88)
West	7.42	(6.95 - 7.92)	4.94	(4.43 - 5.51)	15.80	(14.84 - 16.80)	6.22	(5.66 - 6.83)
Alabama	6.50	(5.39 - 7.81)	4.26	(3.33 - 5.45)	12.87	(10.75 - 15.33)	5.68	(4.46 - 7.21)
Alaska	7.13	(5.93 - 8.55)	4.40	(3.37 - 5.72)	14.86	(12.42 - 17.69)	6.00	(4.69 - 7.64)
Arizona	7.15	(5.94 - 8.57)	4.59	(3.51 - 5.98)	16.65	(14.18 - 19.44)	5.87	(4.58 - 7.51)
Arkansas	6.15	(5.13 - 7.35)	4.39	(3.40 - 5.65)	13.53	(11.33 - 16.09)	5.15	(4.06 - 6.52)
California	7.76	(7.01 - 8.58)	5.15	(4.34 - 6.09)	15.61	(14.12 - 17.22)	6.62	(5.74 - 7.63)
Colorado	8.17	(6.85 - 9.73)	5.32	(4.15 - 6.81)	19.29	(16.61 - 22.30)	6.60	(5.15 - 8.41)
Connecticut	7.51	(6.27 - 8.97)	4.67	(3.64 - 5.97)	17.93	(15.30 - 20.90)	6.17	(4.82 - 7.86)
Delaware	6.69	(5.57 - 8.02)	4.40	(3.41 - 5.66)	15.64	(13.25 - 18.37)	5.49	(4.27 - 7.03)
District of Columbia	9.21	(7.70 - 10.97)	3.37	(2.42 - 4.67)	16.73	(14.25 - 19.54)	8.07	(6.35 - 10.19)
Florida	6.38	(5.69 - 7.14)	4.40	(3.73 - 5.19)	13.12	(11.74 - 14.64)	5.57	(4.79 - 6.48)
Georgia	5.88	(4.87 - 7.09)	3.53	(2.68 - 4.64)	13.49	(11.32 - 16.01)	4.87	(3.76 - 6.29)
Hawaii	7.46	(6.08 - 9.12)	5.25	(3.88 - 7.07)	16.97	(14.16 - 20.21)	6.19	(4.69 - 8.14)
Idaho	7.02	(5.94 - 8.27)	4.79	(3.72 - 6.16)	16.04	(13.71 - 18.68)	5.69	(4.50 - 7.17)
Illinois	6.89	(6.23 - 7.62)	3.96	(3.33 - 4.71)	16.19	(14.72 - 17.78)	5.60	(4.82 - 6.49)
Indiana	6.67	(5.63 - 7.89)	4.09	(3.22 - 5.18)	14.99	(12.61 - 17.74)	5.57	(4.43 - 6.97)
Iowa	7.86	(6.65 - 9.26)	5.24	(4.11 - 6.66)	18.73	(16.09 - 21.68)	6.21	(4.88 - 7.88)
Kansas	7.38	(6.25 - 8.69)	4.95	(3.88 - 6.30)	16.63	(14.18 - 19.39)	5.93	(4.71 - 7.44)
Kentucky	5.84	(4.85 - 7.02)	4.06	(3.12 - 5.27)	13.15	(10.97 - 15.70)	4.88	(3.82 - 6.23)
Louisiana	6.38	(5.35 - 7.60)	3.35	(2.56 - 4.38)	13.84	(11.82 - 16.15)	5.36	(4.20 - 6.83)
Maine	6.21	(5.20 - 7.39)	4.16	(3.18 - 5.41)	15.77	(13.35 - 18.53)	5.07	(3.99 - 6.41)
Maryland	5.97	(4.88 - 7.28)	3.30	(2.48 - 4.38)	13.36	(11.03 - 16.10)	5.05	(3.88 - 6.56)
Massachusetts	7.94	(6.74 - 9.33)	4.98	(3.86 - 6.39)	19.07	(16.40 - 22.06)	6.30	(5.00 - 7.91)
Michigan	6.99	(6.29 - 7.77)	4.25	(3.63 - 4.96)	14.70	(13.35 - 16.17)	6.02	(5.19 - 6.98)
Minnesota	7.30	(6.17 - 8.63)	4.70	(3.69 - 5.96)	16.85	(14.50 - 19.49)	5.98	(4.73 - 7.54)
Mississippi	6.20	(5.18 - 7.41)	3.71	(2.85 - 4.82)	12.92	(10.91 - 15.24)	5.29	(4.15 - 6.72)
Missouri	6.26	(5.14 - 7.59)	4.49	(3.50 - 5.74)	13.77	(11.56 - 16.33)	5.21	(4.00 - 6.76)
Montana	8.71	(7.43 - 10.17)	6.13	(4.80 - 7.81)	21.41	(18.63 - 24.48)	6.79	(5.40 - 8.51)

(continued)

Table B.22 *Needing But Not Receiving Treatment for Alcohol Use in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)*

State	12+ (Estimate)	12+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	7.39	(6.30 - 8.66)	4.44	(3.44 - 5.70)	17.77	(15.22 - 20.64)	5.77	(4.60 - 7.22)
Nevada	8.00	(6.67 - 9.57)	5.15	(3.95 - 6.68)	17.31	(14.75 - 20.22)	6.93	(5.45 - 8.77)
New Hampshire	7.15	(6.01 - 8.47)	5.12	(4.01 - 6.53)	17.82	(15.32 - 20.63)	5.69	(4.46 - 7.24)
New Jersey	6.07	(5.01 - 7.34)	3.86	(2.97 - 5.01)	13.82	(11.53 - 16.48)	5.15	(4.01 - 6.59)
New Mexico	7.14	(6.02 - 8.45)	5.21	(4.06 - 6.65)	15.29	(12.93 - 18.00)	5.89	(4.67 - 7.42)
New York	6.99	(6.30 - 7.75)	4.69	(3.96 - 5.54)	15.97	(14.53 - 17.51)	5.67	(4.87 - 6.60)
North Carolina	6.01	(4.96 - 7.27)	3.63	(2.78 - 4.73)	13.34	(11.16 - 15.86)	5.08	(3.94 - 6.53)
North Dakota	7.90	(6.81 - 9.15)	4.32	(3.34 - 5.57)	19.11	(16.63 - 21.87)	5.72	(4.54 - 7.18)
Ohio	6.86	(6.18 - 7.60)	4.36	(3.74 - 5.08)	16.04	(14.71 - 17.46)	5.67	(4.88 - 6.57)
Oklahoma	7.15	(5.95 - 8.58)	4.58	(3.53 - 5.92)	15.48	(13.02 - 18.32)	5.95	(4.63 - 7.60)
Oregon	7.13	(5.98 - 8.47)	4.75	(3.72 - 6.06)	15.06	(12.76 - 17.69)	6.12	(4.86 - 7.69)
Pennsylvania	6.51	(5.79 - 7.31)	4.07	(3.40 - 4.86)	15.80	(14.28 - 17.45)	5.26	(4.46 - 6.20)
Rhode Island	8.26	(6.85 - 9.92)	4.50	(3.48 - 5.80)	17.02	(14.29 - 20.16)	7.04	(5.48 - 9.00)
South Carolina	7.67	(6.28 - 9.33)	3.90	(2.98 - 5.08)	13.99	(11.73 - 16.60)	7.08	(5.49 - 9.08)
South Dakota	8.44	(7.18 - 9.91)	5.90	(4.58 - 7.56)	19.03	(16.30 - 22.10)	6.82	(5.43 - 8.54)
Tennessee	6.16	(5.10 - 7.43)	3.70	(2.85 - 4.79)	13.55	(11.34 - 16.11)	5.29	(4.13 - 6.77)
Texas	6.63	(5.95 - 7.37)	4.36	(3.68 - 5.15)	14.40	(13.08 - 15.83)	5.47	(4.68 - 6.38)
Utah	5.40	(4.39 - 6.64)	3.83	(2.83 - 5.15)	11.47	(9.34 - 14.01)	4.18	(3.06 - 5.67)
Vermont	7.61	(6.44 - 8.97)	4.68	(3.65 - 5.99)	19.00	(16.37 - 21.95)	5.96	(4.69 - 7.55)
Virginia	7.52	(6.37 - 8.86)	4.81	(3.74 - 6.16)	18.11	(15.60 - 20.92)	6.01	(4.77 - 7.54)
Washington	6.04	(5.00 - 7.29)	4.10	(3.16 - 5.30)	14.60	(12.26 - 17.29)	4.88	(3.76 - 6.30)
West Virginia	5.53	(4.52 - 6.76)	4.16	(3.19 - 5.41)	13.19	(11.00 - 15.74)	4.52	(3.46 - 5.90)
Wisconsin	7.08	(5.96 - 8.39)	4.43	(3.47 - 5.64)	15.92	(13.52 - 18.67)	5.85	(4.62 - 7.39)
Wyoming	7.17	(6.06 - 8.47)	5.38	(4.23 - 6.80)	16.79	(14.35 - 19.54)	5.62	(4.42 - 7.13)

NOTE: Needing But Not Receiving Treatment refers to respondents classified as needing treatment for alcohol, but not receiving treatment for an alcohol problem at a specialty facility (i.e., drug and alcohol rehabilitation facilities [inpatient or outpatient], hospitals [inpatient only], and mental health centers).

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.23 Serious Mental Illness in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	18+ (Estimate)	18+ (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	3.88	(3.68 - 4.10)	3.63	(3.41 - 3.87)	3.92	(3.69 - 4.17)
Northeast	3.74	(3.39 - 4.13)	3.74	(3.37 - 4.14)	3.74	(3.34 - 4.19)
Midwest	4.21	(3.89 - 4.56)	3.83	(3.52 - 4.15)	4.28	(3.91 - 4.68)
South	3.78	(3.48 - 4.11)	3.39	(3.09 - 3.71)	3.85	(3.50 - 4.23)
West	3.84	(3.48 - 4.23)	3.75	(3.35 - 4.20)	3.85	(3.44 - 4.31)
Alabama	5.00	(3.88 - 6.42)	3.66	(2.76 - 4.85)	5.23	(3.97 - 6.87)
Alaska	4.07	(3.11 - 5.31)	3.50	(2.63 - 4.65)	4.19	(3.09 - 5.65)
Arizona	4.37	(3.35 - 5.67)	3.92	(2.94 - 5.22)	4.44	(3.31 - 5.94)
Arkansas	4.94	(3.85 - 6.31)	3.97	(3.00 - 5.24)	5.10	(3.88 - 6.67)
California	3.24	(2.71 - 3.88)	3.69	(3.06 - 4.43)	3.16	(2.56 - 3.90)
Colorado	4.56	(3.54 - 5.86)	4.01	(3.07 - 5.24)	4.65	(3.50 - 6.16)
Connecticut	3.73	(2.85 - 4.87)	3.43	(2.57 - 4.58)	3.78	(2.80 - 5.08)
Delaware	3.93	(3.01 - 5.11)	4.47	(3.38 - 5.89)	3.84	(2.82 - 5.21)
District of Columbia	3.45	(2.64 - 4.50)	2.95	(2.15 - 4.02)	3.57	(2.63 - 4.82)
Florida	3.62	(3.03 - 4.32)	3.12	(2.56 - 3.80)	3.70	(3.04 - 4.49)
Georgia	3.60	(2.74 - 4.73)	3.01	(2.24 - 4.04)	3.70	(2.73 - 5.01)
Hawaii	3.68	(2.77 - 4.87)	3.35	(2.42 - 4.63)	3.73	(2.71 - 5.11)
Idaho	5.10	(4.01 - 6.48)	4.87	(3.69 - 6.42)	5.15	(3.92 - 6.72)
Illinois	3.90	(3.33 - 4.57)	3.80	(3.19 - 4.51)	3.92	(3.28 - 4.69)
Indiana	4.78	(3.76 - 6.07)	3.93	(2.98 - 5.17)	4.93	(3.76 - 6.43)
Iowa	4.36	(3.42 - 5.55)	3.85	(2.93 - 5.04)	4.46	(3.40 - 5.83)
Kansas	3.53	(2.72 - 4.58)	3.67	(2.77 - 4.86)	3.51	(2.60 - 4.72)
Kentucky	4.13	(3.22 - 5.29)	3.60	(2.71 - 4.77)	4.22	(3.20 - 5.53)
Louisiana	3.91	(3.03 - 5.03)	3.36	(2.54 - 4.44)	4.01	(3.01 - 5.33)
Maine	4.14	(3.21 - 5.32)	4.25	(3.24 - 5.56)	4.12	(3.11 - 5.45)
Maryland	3.37	(2.54 - 4.45)	3.40	(2.54 - 4.54)	3.36	(2.44 - 4.61)
Massachusetts	4.20	(3.27 - 5.38)	3.71	(2.80 - 4.89)	4.29	(3.24 - 5.65)
Michigan	4.08	(3.48 - 4.78)	3.97	(3.35 - 4.71)	4.10	(3.42 - 4.91)
Minnesota	4.18	(3.26 - 5.36)	3.82	(2.89 - 5.02)	4.25	(3.20 - 5.61)
Mississippi	4.04	(3.11 - 5.22)	3.26	(2.45 - 4.34)	4.18	(3.14 - 5.56)
Missouri	4.79	(3.74 - 6.11)	3.56	(2.68 - 4.71)	4.99	(3.81 - 6.52)
Montana	4.76	(3.70 - 6.11)	4.39	(3.32 - 5.78)	4.82	(3.64 - 6.37)

(continued)

Table B.23 Serious Mental Illness in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	18+ (Estimate)	18+ (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	4.13	(3.26 - 5.23)	3.77	(2.85 - 4.98)	4.21	(3.22 - 5.48)
Nevada	4.87	(3.72 - 6.35)	3.32	(2.43 - 4.54)	5.11	(3.81 - 6.82)
New Hampshire	4.25	(3.27 - 5.49)	4.43	(3.38 - 5.80)	4.21	(3.14 - 5.63)
New Jersey	3.39	(2.56 - 4.46)	4.11	(3.10 - 5.44)	3.27	(2.37 - 4.50)
New Mexico	3.38	(2.60 - 4.39)	3.54	(2.67 - 4.68)	3.35	(2.47 - 4.52)
New York	3.72	(3.14 - 4.39)	3.49	(2.90 - 4.18)	3.76	(3.11 - 4.54)
North Carolina	3.47	(2.62 - 4.57)	2.99	(2.20 - 4.05)	3.54	(2.60 - 4.81)
North Dakota	3.48	(2.71 - 4.46)	3.61	(2.75 - 4.73)	3.45	(2.57 - 4.62)
Ohio	4.31	(3.70 - 5.03)	3.82	(3.23 - 4.51)	4.39	(3.70 - 5.21)
Oklahoma	4.03	(3.11 - 5.20)	3.68	(2.74 - 4.92)	4.09	(3.05 - 5.46)
Oregon	4.54	(3.58 - 5.76)	3.87	(2.93 - 5.10)	4.65	(3.57 - 6.03)
Pennsylvania	3.57	(2.98 - 4.27)	3.82	(3.14 - 4.63)	3.53	(2.87 - 4.34)
Rhode Island	4.92	(3.82 - 6.31)	4.38	(3.27 - 5.85)	5.02	(3.77 - 6.64)
South Carolina	3.97	(3.09 - 5.11)	3.39	(2.54 - 4.52)	4.07	(3.07 - 5.38)
South Dakota	3.61	(2.77 - 4.68)	3.32	(2.47 - 4.45)	3.66	(2.72 - 4.91)
Tennessee	4.15	(3.21 - 5.34)	3.21	(2.41 - 4.27)	4.29	(3.25 - 5.66)
Texas	3.40	(2.84 - 4.08)	3.58	(2.97 - 4.32)	3.37	(2.73 - 4.16)
Utah	5.12	(4.04 - 6.46)	4.55	(3.51 - 5.89)	5.26	(3.99 - 6.91)
Vermont	4.04	(3.16 - 5.15)	4.19	(3.21 - 5.46)	4.01	(3.03 - 5.30)
Virginia	3.91	(3.04 - 5.01)	3.70	(2.81 - 4.84)	3.94	(2.97 - 5.22)
Washington	4.39	(3.41 - 5.64)	3.30	(2.46 - 4.42)	4.57	(3.46 - 6.01)
West Virginia	4.92	(3.83 - 6.29)	3.37	(2.51 - 4.51)	5.15	(3.93 - 6.72)
Wisconsin	4.14	(3.24 - 5.28)	4.00	(3.03 - 5.26)	4.17	(3.14 - 5.51)
Wyoming	4.08	(3.19 - 5.20)	3.39	(2.58 - 4.43)	4.21	(3.20 - 5.52)

NOTE: Serious mental illness (SMI) is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder, that met the criteria found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV) and resulted in serious functional impairment. Estimates for SMI presented in this table may differ from previously published SMI estimates because of revised estimation procedures. For details, see the NSDUH short report titled *Revised Estimates of Mental Illness from the National Survey on Drug Use and Health* at <http://samhsa.gov/data/default.aspx>.

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012; SMI Estimates Revised October 2013).

Table B.24 Any Mental Illness in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	18+ (Estimate)	18+ (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	18.10	(17.68 - 18.53)	18.02	(17.57 - 18.49)	18.11	(17.63 - 18.60)
Northeast	18.36	(17.53 - 19.22)	18.57	(17.71 - 19.47)	18.33	(17.39 - 19.31)
Midwest	18.59	(17.94 - 19.26)	18.77	(18.07 - 19.48)	18.56	(17.81 - 19.32)
South	17.53	(16.86 - 18.22)	17.04	(16.37 - 17.74)	17.61	(16.84 - 18.41)
West	18.32	(17.47 - 19.21)	18.42	(17.47 - 19.41)	18.31	(17.32 - 19.33)
Alabama	20.85	(18.28 - 23.68)	17.82	(15.42 - 20.50)	21.37	(18.43 - 24.64)
Alaska	19.39	(16.88 - 22.17)	18.26	(15.80 - 21.01)	19.61	(16.75 - 22.84)
Arizona	18.26	(15.80 - 20.99)	18.62	(16.28 - 21.21)	18.20	(15.43 - 21.33)
Arkansas	20.04	(17.64 - 22.67)	19.30	(16.89 - 21.98)	20.16	(17.47 - 23.13)
California	17.07	(15.75 - 18.47)	17.61	(16.14 - 19.19)	16.96	(15.44 - 18.60)
Colorado	18.42	(16.02 - 21.09)	18.19	(15.77 - 20.90)	18.46	(15.75 - 21.51)
Connecticut	17.63	(15.23 - 20.32)	19.04	(16.63 - 21.69)	17.41	(14.72 - 20.46)
Delaware	18.29	(15.96 - 20.87)	20.10	(17.70 - 22.74)	17.99	(15.38 - 20.93)
District of Columbia	19.14	(16.86 - 21.65)	17.06	(14.87 - 19.51)	19.60	(16.94 - 22.58)
Florida	17.02	(15.68 - 18.44)	16.57	(15.10 - 18.15)	17.08	(15.58 - 18.69)
Georgia	15.56	(13.45 - 17.93)	17.05	(14.77 - 19.61)	15.30	(12.92 - 18.02)
Hawaii	17.74	(15.46 - 20.29)	19.61	(16.87 - 22.68)	17.45	(14.89 - 20.34)
Idaho	22.43	(19.76 - 25.35)	21.47	(18.86 - 24.32)	22.61	(19.56 - 25.97)
Illinois	16.97	(15.63 - 18.40)	18.02	(16.55 - 19.58)	16.78	(15.26 - 18.42)
Indiana	18.83	(16.61 - 21.26)	18.86	(16.44 - 21.55)	18.82	(16.32 - 21.61)
Iowa	19.21	(16.88 - 21.78)	19.06	(16.64 - 21.73)	19.24	(16.60 - 22.19)
Kansas	15.99	(13.88 - 18.34)	17.80	(15.39 - 20.49)	15.64	(13.27 - 18.35)
Kentucky	19.32	(16.91 - 22.00)	17.11	(14.87 - 19.61)	19.67	(16.96 - 22.71)
Louisiana	17.51	(15.27 - 20.00)	17.03	(14.85 - 19.47)	17.60	(15.06 - 20.47)
Maine	18.70	(16.34 - 21.31)	20.49	(17.94 - 23.29)	18.44	(15.85 - 21.34)
Maryland	17.03	(14.60 - 19.78)	17.59	(15.20 - 20.26)	16.94	(14.22 - 20.05)
Massachusetts	18.51	(16.27 - 20.97)	18.91	(16.53 - 21.53)	18.43	(15.90 - 21.27)
Michigan	19.70	(18.31 - 21.16)	18.92	(17.44 - 20.49)	19.83	(18.25 - 21.50)
Minnesota	18.38	(16.21 - 20.77)	19.81	(17.44 - 22.42)	18.13	(15.67 - 20.89)
Mississippi	17.79	(15.59 - 20.24)	17.60	(15.38 - 20.07)	17.83	(15.31 - 20.67)
Missouri	19.42	(17.07 - 21.99)	19.71	(17.31 - 22.35)	19.37	(16.72 - 22.32)
Montana	20.72	(18.37 - 23.29)	20.58	(18.19 - 23.19)	20.75	(18.10 - 23.67)

(continued)

Table B.24 Any Mental Illness in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	18+ (Estimate)	18+ (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	17.58	(15.33 - 20.09)	18.11	(15.75 - 20.74)	17.48	(14.93 - 20.37)
Nevada	20.28	(17.62 - 23.22)	17.91	(15.57 - 20.52)	20.64	(17.67 - 23.96)
New Hampshire	19.76	(17.36 - 22.40)	20.31	(17.88 - 22.97)	19.68	(16.99 - 22.67)
New Jersey	17.54	(15.33 - 20.00)	18.73	(16.34 - 21.39)	17.35	(14.88 - 20.15)
New Mexico	16.43	(14.19 - 18.94)	17.50	(15.21 - 20.06)	16.24	(13.70 - 19.14)
New York	19.02	(17.57 - 20.56)	18.39	(16.93 - 19.94)	19.13	(17.47 - 20.92)
North Carolina	17.22	(14.92 - 19.78)	15.81	(13.61 - 18.30)	17.45	(14.88 - 20.36)
North Dakota	16.26	(14.16 - 18.61)	17.08	(14.92 - 19.48)	16.08	(13.65 - 18.84)
Ohio	19.66	(18.23 - 21.18)	18.83	(17.44 - 20.30)	19.80	(18.18 - 21.53)
Oklahoma	20.34	(17.92 - 23.01)	21.19	(18.49 - 24.15)	20.19	(17.43 - 23.26)
Oregon	20.12	(17.85 - 22.59)	19.86	(17.39 - 22.59)	20.16	(17.60 - 22.99)
Pennsylvania	17.53	(16.11 - 19.06)	17.88	(16.32 - 19.55)	17.47	(15.85 - 19.22)
Rhode Island	21.30	(18.54 - 24.33)	19.42	(16.85 - 22.27)	21.65	(18.52 - 25.15)
South Carolina	17.18	(14.84 - 19.80)	16.49	(14.19 - 19.08)	17.29	(14.67 - 20.28)
South Dakota	16.82	(14.56 - 19.35)	17.37	(14.92 - 20.13)	16.71	(14.16 - 19.62)
Tennessee	21.17	(18.43 - 24.20)	17.23	(14.90 - 19.83)	21.79	(18.70 - 25.24)
Texas	15.99	(14.70 - 17.37)	16.01	(14.66 - 17.46)	15.99	(14.51 - 17.58)
Utah	22.87	(20.45 - 25.48)	22.53	(19.83 - 25.48)	22.96	(20.13 - 26.06)
Vermont	19.75	(17.34 - 22.42)	21.15	(18.54 - 24.03)	19.51	(16.82 - 22.53)
Virginia	17.52	(15.37 - 19.89)	18.13	(15.93 - 20.55)	17.41	(14.99 - 20.13)
Washington	20.75	(18.26 - 23.49)	19.38	(16.90 - 22.14)	20.98	(18.17 - 24.09)
West Virginia	20.47	(17.99 - 23.19)	19.69	(17.26 - 22.37)	20.58	(17.82 - 23.65)
Wisconsin	18.89	(16.65 - 21.36)	19.11	(16.72 - 21.77)	18.86	(16.33 - 21.67)
Wyoming	19.47	(17.16 - 22.00)	20.00	(17.54 - 22.70)	19.37	(16.75 - 22.30)

NOTE: Any mental illness (AMI) is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder, that met the criteria found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV). Estimates for AMI presented in this table may differ from previously published AMI estimates because of revised estimation procedures. For details, see the NSDUH short report titled *Revised Estimates of Mental Illness from the National Survey on Drug Use and Health* at <http://samhsa.gov/data/default.aspx>.

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012; AMI Estimates Revised October 2013).

Table B.25 Had Serious Thoughts of Suicide in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	18+ (Estimate)	18+ (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	3.78	(3.59 - 3.97)	6.36	(6.08 - 6.65)	3.33	(3.12 - 3.55)
Northeast	3.82	(3.48 - 4.18)	6.62	(6.07 - 7.21)	3.34	(2.99 - 3.74)
Midwest	4.05	(3.75 - 4.36)	6.73	(6.28 - 7.21)	3.58	(3.26 - 3.93)
South	3.53	(3.25 - 3.84)	5.96	(5.53 - 6.42)	3.11	(2.81 - 3.45)
West	3.88	(3.52 - 4.28)	6.41	(5.85 - 7.03)	3.42	(3.02 - 3.87)
Alabama	4.10	(3.18 - 5.26)	6.63	(5.30 - 8.26)	3.66	(2.69 - 4.96)
Alaska	3.96	(3.10 - 5.05)	6.13	(4.82 - 7.77)	3.54	(2.62 - 4.76)
Arizona	4.08	(3.16 - 5.25)	6.40	(5.09 - 8.01)	3.69	(2.71 - 5.00)
Arkansas	4.37	(3.43 - 5.56)	6.62	(5.26 - 8.31)	4.00	(3.00 - 5.31)
California	3.57	(3.07 - 4.16)	6.26	(5.43 - 7.22)	3.06	(2.51 - 3.73)
Colorado	4.12	(3.21 - 5.26)	6.53	(5.22 - 8.15)	3.70	(2.74 - 4.98)
Connecticut	3.63	(2.83 - 4.63)	5.95	(4.65 - 7.58)	3.25	(2.41 - 4.37)
Delaware	3.89	(3.03 - 4.97)	7.45	(6.00 - 9.22)	3.30	(2.40 - 4.52)
District of Columbia	3.98	(3.14 - 5.05)	5.64	(4.47 - 7.10)	3.62	(2.69 - 4.85)
Florida	3.52	(2.97 - 4.16)	5.67	(4.86 - 6.61)	3.20	(2.61 - 3.90)
Georgia	3.12	(2.44 - 3.99)	5.58	(4.38 - 7.09)	2.70	(1.99 - 3.65)
Hawaii	3.92	(3.06 - 5.01)	7.36	(5.77 - 9.34)	3.37	(2.47 - 4.59)
Idaho	4.87	(3.82 - 6.19)	7.71	(6.18 - 9.58)	4.35	(3.24 - 5.81)
Illinois	4.05	(3.49 - 4.71)	6.86	(5.96 - 7.89)	3.55	(2.93 - 4.29)
Indiana	3.99	(3.17 - 5.00)	6.40	(5.11 - 7.99)	3.57	(2.70 - 4.70)
Iowa	3.90	(3.09 - 4.90)	6.16	(4.93 - 7.68)	3.49	(2.63 - 4.62)
Kansas	3.55	(2.81 - 4.48)	6.22	(4.87 - 7.90)	3.04	(2.26 - 4.07)
Kentucky	3.98	(3.16 - 5.02)	6.26	(5.02 - 7.77)	3.62	(2.73 - 4.79)
Louisiana	3.53	(2.78 - 4.47)	6.17	(4.90 - 7.75)	3.03	(2.24 - 4.08)
Maine	4.56	(3.58 - 5.80)	6.55	(5.27 - 8.11)	4.28	(3.22 - 5.66)
Maryland	3.52	(2.74 - 4.51)	6.25	(4.90 - 7.95)	3.05	(2.25 - 4.14)
Massachusetts	3.94	(3.14 - 4.92)	6.26	(4.99 - 7.81)	3.52	(2.68 - 4.62)
Michigan	4.15	(3.56 - 4.84)	6.90	(6.06 - 7.85)	3.68	(3.04 - 4.46)
Minnesota	3.90	(3.10 - 4.88)	6.72	(5.40 - 8.34)	3.41	(2.58 - 4.51)
Mississippi	3.72	(2.96 - 4.68)	6.34	(5.07 - 7.89)	3.23	(2.42 - 4.31)
Missouri	4.30	(3.36 - 5.48)	6.55	(5.30 - 8.08)	3.91	(2.91 - 5.24)
Montana	4.57	(3.60 - 5.78)	7.70	(6.21 - 9.51)	4.02	(2.99 - 5.38)

(continued)

Table B.25 *Had Serious Thoughts of Suicide in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)*

State	18+ (Estimate)	18+ (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	4.02	(3.19 - 5.04)	6.25	(4.97 - 7.84)	3.58	(2.71 - 4.73)
Nevada	4.18	(3.24 - 5.38)	5.67	(4.51 - 7.10)	3.95	(2.92 - 5.32)
New Hampshire	4.28	(3.35 - 5.45)	6.98	(5.65 - 8.59)	3.86	(2.86 - 5.18)
New Jersey	3.62	(2.87 - 4.57)	7.23	(5.77 - 9.01)	3.07	(2.29 - 4.11)
New Mexico	3.53	(2.77 - 4.48)	6.61	(5.30 - 8.22)	2.96	(2.16 - 4.05)
New York	3.84	(3.27 - 4.49)	6.57	(5.66 - 7.61)	3.35	(2.75 - 4.08)
North Carolina	3.48	(2.72 - 4.45)	5.77	(4.56 - 7.28)	3.10	(2.29 - 4.18)
North Dakota	3.48	(2.75 - 4.39)	5.91	(4.71 - 7.39)	2.91	(2.14 - 3.94)
Ohio	4.13	(3.53 - 4.83)	6.99	(6.13 - 7.97)	3.66	(3.01 - 4.45)
Oklahoma	3.86	(3.02 - 4.93)	5.99	(4.71 - 7.58)	3.47	(2.57 - 4.66)
Oregon	4.14	(3.24 - 5.27)	6.32	(5.06 - 7.87)	3.79	(2.84 - 5.05)
Pennsylvania	3.68	(3.13 - 4.32)	6.60	(5.68 - 7.66)	3.20	(2.61 - 3.92)
Rhode Island	4.56	(3.56 - 5.82)	6.90	(5.49 - 8.63)	4.11	(3.04 - 5.54)
South Carolina	3.60	(2.81 - 4.59)	5.79	(4.58 - 7.30)	3.23	(2.40 - 4.34)
South Dakota	3.92	(3.11 - 4.93)	6.09	(4.84 - 7.64)	3.53	(2.66 - 4.66)
Tennessee	3.63	(2.82 - 4.65)	5.58	(4.41 - 7.03)	3.32	(2.46 - 4.47)
Texas	3.14	(2.67 - 3.68)	5.90	(5.11 - 6.80)	2.61	(2.11 - 3.22)
Utah	4.99	(3.96 - 6.26)	7.69	(6.12 - 9.62)	4.31	(3.21 - 5.78)
Vermont	4.39	(3.48 - 5.52)	7.32	(5.91 - 9.05)	3.88	(2.91 - 5.16)
Virginia	3.76	(2.98 - 4.74)	6.25	(5.00 - 7.79)	3.33	(2.50 - 4.42)
Washington	4.25	(3.37 - 5.36)	6.23	(4.99 - 7.75)	3.93	(2.97 - 5.18)
West Virginia	4.46	(3.47 - 5.71)	6.80	(5.48 - 8.40)	4.10	(3.05 - 5.51)
Wisconsin	4.04	(3.22 - 5.07)	7.09	(5.68 - 8.82)	3.51	(2.65 - 4.64)
Wyoming	3.98	(3.15 - 5.03)	5.97	(4.76 - 7.48)	3.62	(2.72 - 4.81)

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Table B.26 Had at Least One Major Depressive Episode in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs

State	18+ (Estimate)	18+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Total U.S.	6.70	(6.45 - 6.97)	8.07	(7.74 - 8.41)	8.15	(7.81 - 8.51)	6.45	(6.16 - 6.76)
Northeast	6.68	(6.23 - 7.17)	7.79	(7.24 - 8.38)	8.24	(7.64 - 8.88)	6.42	(5.91 - 6.98)
Midwest	6.99	(6.61 - 7.38)	8.20	(7.76 - 8.67)	8.52	(8.04 - 9.02)	6.72	(6.30 - 7.17)
South	6.59	(6.24 - 6.97)	8.06	(7.63 - 8.52)	7.77	(7.33 - 8.24)	6.39	(5.98 - 6.82)
West	6.63	(6.15 - 7.15)	8.17	(7.55 - 8.83)	8.33	(7.70 - 9.00)	6.32	(5.78 - 6.92)
Alabama	7.48	(6.19 - 9.02)	7.65	(6.34 - 9.21)	7.97	(6.45 - 9.83)	7.40	(5.94 - 9.18)
Alaska	6.74	(5.57 - 8.14)	7.65	(6.23 - 9.36)	8.10	(6.58 - 9.94)	6.48	(5.16 - 8.10)
Arizona	6.87	(5.65 - 8.31)	8.37	(6.84 - 10.20)	8.58	(6.98 - 10.51)	6.58	(5.22 - 8.25)
Arkansas	7.81	(6.54 - 9.31)	8.52	(6.99 - 10.33)	8.64	(7.05 - 10.55)	7.67	(6.25 - 9.39)
California	6.12	(5.40 - 6.94)	7.85	(6.93 - 8.89)	8.02	(7.05 - 9.11)	5.76	(4.94 - 6.72)
Colorado	7.05	(5.86 - 8.45)	8.92	(7.34 - 10.79)	8.00	(6.49 - 9.82)	6.88	(5.54 - 8.51)
Connecticut	6.25	(5.15 - 7.57)	7.59	(6.17 - 9.31)	7.71	(6.21 - 9.52)	6.01	(4.79 - 7.52)
Delaware	6.93	(5.75 - 8.33)	9.02	(7.51 - 10.80)	10.39	(8.58 - 12.53)	6.36	(5.07 - 7.97)
District of Columbia	6.58	(5.43 - 7.95)	6.88	(5.49 - 8.58)	7.35	(5.82 - 9.26)	6.41	(5.10 - 8.03)
Florida	6.41	(5.68 - 7.22)	8.76	(7.77 - 9.87)	7.67	(6.70 - 8.77)	6.22	(5.40 - 7.15)
Georgia	6.24	(5.18 - 7.50)	8.09	(6.72 - 9.72)	7.84	(6.38 - 9.60)	5.96	(4.78 - 7.42)
Hawaii	5.99	(4.91 - 7.30)	7.23	(5.77 - 9.02)	7.67	(6.10 - 9.60)	5.73	(4.52 - 7.24)
Idaho	7.61	(6.43 - 9.00)	8.99	(7.43 - 10.85)	10.10	(8.38 - 12.13)	7.16	(5.83 - 8.78)
Illinois	6.81	(6.04 - 7.66)	7.48	(6.56 - 8.52)	8.90	(7.87 - 10.06)	6.43	(5.57 - 7.42)
Indiana	7.48	(6.23 - 8.95)	8.78	(7.30 - 10.52)	7.96	(6.48 - 9.74)	7.40	(6.00 - 9.08)
Iowa	7.01	(5.87 - 8.35)	7.64	(6.28 - 9.27)	7.77	(6.35 - 9.48)	6.87	(5.57 - 8.44)
Kansas	6.65	(5.61 - 7.88)	8.66	(7.21 - 10.36)	8.73	(7.12 - 10.67)	6.26	(5.08 - 7.69)
Kentucky	7.02	(5.84 - 8.41)	8.36	(6.98 - 9.99)	7.69	(6.29 - 9.36)	6.91	(5.58 - 8.52)
Louisiana	6.24	(5.13 - 7.57)	6.93	(5.65 - 8.47)	7.08	(5.68 - 8.79)	6.08	(4.83 - 7.63)
Maine	6.85	(5.70 - 8.22)	8.55	(7.10 - 10.25)	8.84	(7.29 - 10.69)	6.57	(5.30 - 8.11)
Maryland	6.09	(5.00 - 7.40)	7.58	(6.17 - 9.29)	7.63	(6.15 - 9.43)	5.83	(4.63 - 7.33)
Massachusetts	7.23	(6.05 - 8.61)	7.86	(6.49 - 9.50)	8.68	(7.08 - 10.60)	6.97	(5.67 - 8.55)
Michigan	6.90	(6.18 - 7.69)	8.37	(7.43 - 9.42)	9.20	(8.17 - 10.35)	6.50	(5.70 - 7.41)
Minnesota	6.85	(5.74 - 8.17)	7.81	(6.47 - 9.40)	8.56	(7.03 - 10.38)	6.56	(5.31 - 8.09)
Mississippi	6.39	(5.28 - 7.71)	7.46	(6.11 - 9.08)	6.53	(5.27 - 8.07)	6.36	(5.09 - 7.92)
Missouri	7.33	(6.11 - 8.77)	9.58	(7.92 - 11.55)	8.01	(6.50 - 9.83)	7.22	(5.85 - 8.87)
Montana	7.37	(6.20 - 8.76)	8.38	(6.92 - 10.11)	9.57	(7.87 - 11.59)	6.99	(5.69 - 8.57)

(continued)

Table B.26 Had at Least One Major Depressive Episode in the Past Year, by Age Group and State: Percentages, Annual Averages Based on 2009 and 2010 NSDUHs (continued)

State	18+ (Estimate)	18+ (95% Confidence Interval)	12-17 (Estimate)	12-17 (95% Confidence Interval)	18-25 (Estimate)	18-25 (95% Confidence Interval)	26+ (Estimate)	26+ (95% Confidence Interval)
Nebraska	7.10	(6.00 - 8.38)	8.28	(6.87 - 9.95)	7.88	(6.42 - 9.63)	6.95	(5.69 - 8.46)
Nevada	6.97	(5.77 - 8.41)	7.73	(6.26 - 9.51)	7.27	(5.84 - 9.01)	6.93	(5.58 - 8.56)
New Hampshire	7.23	(5.99 - 8.69)	8.92	(7.35 - 10.79)	9.47	(7.78 - 11.48)	6.87	(5.50 - 8.55)
New Jersey	6.10	(5.04 - 7.36)	7.21	(5.91 - 8.78)	8.61	(6.95 - 10.62)	5.71	(4.55 - 7.15)
New Mexico	5.87	(4.84 - 7.10)	8.63	(7.07 - 10.49)	7.68	(6.17 - 9.52)	5.54	(4.38 - 6.97)
New York	6.75	(5.96 - 7.62)	7.84	(6.93 - 8.85)	7.56	(6.63 - 8.60)	6.60	(5.71 - 7.62)
North Carolina	6.56	(5.43 - 7.91)	7.45	(6.13 - 9.02)	7.27	(5.87 - 8.98)	6.44	(5.18 - 7.99)
North Dakota	6.74	(5.69 - 7.97)	8.24	(6.82 - 9.92)	7.99	(6.54 - 9.73)	6.46	(5.25 - 7.92)
Ohio	6.99	(6.24 - 7.82)	8.25	(7.34 - 9.27)	8.21	(7.33 - 9.18)	6.79	(5.95 - 7.74)
Oklahoma	7.54	(6.29 - 9.01)	7.85	(6.45 - 9.53)	9.75	(7.88 - 12.00)	7.13	(5.74 - 8.82)
Oregon	7.52	(6.35 - 8.88)	8.94	(7.44 - 10.71)	9.68	(7.95 - 11.74)	7.17	(5.88 - 8.72)
Pennsylvania	6.62	(5.85 - 7.47)	7.91	(6.99 - 8.94)	8.67	(7.57 - 9.91)	6.28	(5.43 - 7.25)
Rhode Island	7.95	(6.61 - 9.53)	8.11	(6.65 - 9.85)	9.33	(7.52 - 11.51)	7.69	(6.16 - 9.57)
South Carolina	7.36	(6.09 - 8.86)	8.56	(7.12 - 10.25)	8.73	(7.08 - 10.72)	7.13	(5.73 - 8.84)
South Dakota	5.95	(4.86 - 7.26)	8.80	(7.28 - 10.61)	7.32	(5.83 - 9.14)	5.70	(4.49 - 7.21)
Tennessee	7.35	(6.09 - 8.84)	8.33	(6.98 - 9.91)	7.78	(6.31 - 9.55)	7.28	(5.87 - 9.00)
Texas	6.02	(5.31 - 6.82)	7.96	(7.03 - 9.00)	7.49	(6.57 - 8.53)	5.74	(4.93 - 6.68)
Utah	8.18	(6.97 - 9.56)	8.09	(6.71 - 9.72)	9.31	(7.72 - 11.20)	7.90	(6.48 - 9.59)
Vermont	6.98	(5.85 - 8.31)	8.22	(6.77 - 9.94)	9.31	(7.60 - 11.37)	6.57	(5.32 - 8.10)
Virginia	6.84	(5.75 - 8.14)	8.37	(6.94 - 10.07)	8.23	(6.74 - 10.02)	6.60	(5.37 - 8.09)
Washington	7.58	(6.36 - 9.00)	8.86	(7.32 - 10.69)	8.98	(7.34 - 10.94)	7.35	(5.99 - 8.98)
West Virginia	7.63	(6.37 - 9.12)	8.03	(6.64 - 9.69)	8.08	(6.56 - 9.92)	7.56	(6.16 - 9.26)
Wisconsin	7.06	(5.92 - 8.41)	7.61	(6.32 - 9.15)	8.88	(7.21 - 10.89)	6.74	(5.46 - 8.30)
Wyoming	7.22	(6.12 - 8.52)	8.73	(7.20 - 10.55)	8.96	(7.37 - 10.85)	6.91	(5.65 - 8.42)

NOTE: Major depressive episode is defined as in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV), which specifies a period of at least 2 weeks when a person experienced a depressed mood or loss of interest or pleasure in daily activities and had a majority of specified depression symptoms. For details, see Section A.11 in Appendix A of this report.

NOTE: There are minor wording differences in the questions in the adult and adolescent major depressive episode modules. Therefore, data from youths aged 12 to 17 were not combined with data from persons aged 18 or older to get an overall estimate (12 or older).

NOTE: State and census region estimates, along with the 95 percent Bayesian confidence (credible) intervals, are based on a survey-weighted hierarchical Bayes estimation approach and generated by Markov Chain Monte Carlo techniques. For the "Total U.S." row, design-based (direct) estimates and corresponding 95 percent confidence intervals are given.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012).

Appendix C:
Comparison of the 2008-2009 and 2009-2010
Model-Based Estimates
(50 States and the District of Columbia)

Table C.1 Illicit Drug Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	8.38 ^a	8.82	0.000	9.69 ^a	10.12	0.023	20.54 ^a	21.46	0.001	6.12 ^a	6.46	0.020
Northeast	8.98 ^a	9.49	0.021	10.07	10.50	0.200	24.32	24.77	0.465	6.26 ^b	6.79	0.055
Midwest	7.77 ^a	8.10	0.030	9.63	9.76	0.626	19.40 ^a	20.34	0.036	5.53	5.75	0.260
South	7.46 ^a	7.86	0.007	8.80 ^b	9.25	0.057	18.48 ^b	19.33	0.077	5.43	5.72	0.123
West	9.94 ^a	10.48	0.042	10.82 ^b	11.49	0.092	21.81 ^a	23.24	0.017	7.67	8.03	0.288
Alabama	7.10	7.25	0.724	9.19	9.28	0.893	18.43	17.60	0.514	4.91	5.22	0.572
Alaska	13.56	14.15	0.490	11.07	10.59	0.609	28.75	27.65	0.534	11.08	12.00	0.398
Arizona	9.51	9.53	0.970	10.11	10.87	0.405	20.76	20.02	0.579	7.52	7.58	0.930
Arkansas	7.83	7.80	0.954	9.46	9.73	0.706	19.05	18.04	0.442	5.80	5.87	0.891
California	10.01	10.43	0.279	10.78 ^a	11.91	0.047	21.81	23.10	0.131	7.64	7.82	0.724
Colorado	11.34 ^a	13.48	0.003	12.10	12.63	0.597	27.32	29.88	0.132	8.57 ^a	10.75	0.015
Connecticut	8.85	9.52	0.183	10.30	10.54	0.773	24.85	26.07	0.426	6.13	6.70	0.346
Delaware	8.65	8.48	0.706	10.35	11.33	0.263	25.19	23.45	0.267	5.69	5.67	0.970
District of Columbia	10.47 ^a	12.28	0.017	11.42 ^a	13.54	0.040	22.13	24.01	0.226	7.78 ^b	9.60	0.051
Florida	8.04	8.42	0.261	9.05	9.77	0.148	18.20 ^a	20.02	0.040	6.43	6.52	0.810
Georgia	7.89	7.32	0.155	8.18	8.91	0.306	19.68	17.84	0.137	5.84	5.26	0.241
Hawaii	11.88 ^a	9.69	0.003	10.19	10.33	0.877	23.43	23.44	0.995	10.23 ^a	7.43	0.002
Idaho	8.21 ^a	9.56	0.013	9.94	10.06	0.883	17.87 ^a	20.56	0.048	6.26 ^b	7.48	0.068
Illinois	7.77 ^b	8.35	0.061	9.87	10.18	0.537	19.01 ^a	22.07	0.000	5.46	5.64	0.645
Indiana	8.50	8.44	0.903	10.59	9.66	0.205	19.94	20.56	0.663	6.29	6.18	0.853
Iowa	5.29	5.82	0.101	9.22	9.72	0.526	13.21 ^b	15.51	0.060	3.40	3.60	0.600
Kansas	7.02	7.07	0.913	8.93	9.24	0.691	16.27	17.43	0.390	5.04	4.81	0.651
Kentucky	7.38	7.01	0.380	8.13	8.39	0.702	18.17	17.91	0.844	5.60	5.10	0.331
Louisiana	7.11	7.52	0.278	7.40	7.95	0.439	18.88	19.87	0.431	4.80	5.11	0.511
Maine	11.14	11.79	0.280	10.89	10.79	0.908	28.55 ^b	31.36	0.080	8.74	9.11	0.612
Maryland	7.12 ^a	8.11	0.036	9.33	10.12	0.266	19.04	21.44	0.106	4.82	5.61	0.164
Massachusetts	10.90 ^b	12.12	0.053	11.06	12.42	0.132	27.93 ^a	31.15	0.043	7.86	8.71	0.275
Michigan	9.50 ^a	10.37	0.016	10.74	10.64	0.842	22.36	22.70	0.671	7.15 ^a	8.21	0.021
Minnesota	6.91	6.97	0.901	8.06	8.14	0.919	18.93	18.60	0.806	4.72	4.83	0.834
Mississippi	6.20 ^b	6.95	0.060	8.77	9.26	0.494	15.05	16.67	0.168	4.21	4.81	0.219
Missouri	7.55	7.70	0.735	8.04	8.55	0.472	19.39	20.12	0.588	5.54	5.50	0.931
Montana	9.63 ^b	10.77	0.079	11.31	11.66	0.693	24.52	25.61	0.476	6.93	8.08	0.149

(continued)

Table C.1 Illicit Drug Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	6.69	7.01	0.406	8.64	8.27	0.617	17.06	17.61	0.673	4.48	4.80	0.477
Nevada	10.03	9.70	0.600	12.64	11.33	0.170	23.25	22.23	0.503	7.73	7.56	0.827
New Hampshire	11.21	12.15	0.152	11.54	13.17	0.114	30.31	31.96	0.336	8.25	8.89	0.418
New Jersey	6.71	7.33	0.146	8.31	8.83	0.486	20.54	20.28	0.853	4.37	5.14	0.143
New Mexico	9.09 ^b	10.07	0.085	12.37	12.36	0.990	19.09 ^a	22.69	0.012	6.82	7.47	0.360
New York	9.73	9.82	0.808	10.55	10.86	0.590	26.01 ^b	24.39	0.088	6.70	7.12	0.363
North Carolina	8.14	8.88	0.115	10.28	9.79	0.524	19.97	22.23	0.126	5.97	6.54	0.303
North Dakota	5.62	5.30	0.412	7.64	7.45	0.785	12.71	11.98	0.524	3.79	3.51	0.539
Ohio	7.53	7.87	0.243	9.89	10.33	0.368	19.95	20.86	0.248	5.19	5.44	0.500
Oklahoma	8.94	9.66	0.222	9.41	9.99	0.474	19.48	21.82	0.102	6.97	7.38	0.568
Oregon	12.32	12.63	0.683	12.33	12.86	0.593	27.79	28.03	0.878	9.93	10.13	0.825
Pennsylvania	7.45 ^b	7.99	0.073	9.45	9.51	0.908	19.76 ^a	21.70	0.034	5.18	5.55	0.315
Rhode Island	12.67	13.21	0.437	12.90	12.85	0.955	30.12	32.35	0.175	9.37	9.64	0.751
South Carolina	8.91	8.88	0.943	9.13	8.70	0.580	20.37	21.11	0.585	7.01	6.87	0.825
South Dakota	6.19	6.07	0.779	9.43	8.62	0.306	15.12	15.03	0.941	4.17	4.12	0.919
Tennessee	7.48	7.07	0.343	7.97	8.31	0.614	19.62	17.60	0.111	5.55	5.27	0.581
Texas	6.65 ^a	7.32	0.013	8.42	9.09	0.174	17.02	17.98	0.219	4.45 ^b	5.03	0.067
Utah	6.23	5.60	0.102	8.16 ^b	6.89	0.079	13.12	12.14	0.344	4.19	3.80	0.383
Vermont	12.32 ^b	13.73	0.075	11.92	12.80	0.370	32.77	35.09	0.223	9.03	10.15	0.244
Virginia	6.23 ^a	7.53	0.002	8.69	9.13	0.560	17.24 ^b	19.68	0.057	4.06 ^a	5.22	0.027
Washington	9.18 ^a	10.82	0.012	10.34	10.81	0.551	20.20 ^a	26.07	0.000	7.27	8.32	0.174
West Virginia	7.80	8.40	0.226	9.21	9.36	0.840	21.22	22.12	0.503	5.71	6.22	0.384
Wisconsin	7.90	7.77	0.770	9.67	10.04	0.630	21.26	19.95	0.330	5.43	5.37	0.909
Wyoming	6.45	7.07	0.162	10.13	10.46	0.691	17.41	18.14	0.579	4.05	4.63	0.260

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.2 *Marijuana Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs*

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	10.88 ^a	11.47	0.000	13.37 ^a	13.84	0.040	29.31 ^a	30.39	0.001	7.38 ^a	7.88	0.002
Northeast	11.95 ^a	12.87	0.000	14.22	14.77	0.172	34.64	35.60	0.141	7.84 ^a	8.81	0.001
Midwest	10.36 ^a	10.79	0.015	12.84	13.04	0.496	28.53 ^a	29.66	0.019	6.90	7.21	0.161
South	9.59 ^a	9.94	0.046	12.06 ^b	12.60	0.067	25.38 ^a	26.58	0.017	6.62	6.75	0.523
West	12.55 ^a	13.44	0.001	15.26	15.81	0.235	31.83	32.87	0.131	8.69 ^a	9.59	0.009
Alabama	8.49	9.01	0.231	10.11	10.80	0.391	22.60	22.93	0.809	5.89	6.40	0.326
Alaska	16.25	17.51	0.143	15.89	16.11	0.856	35.51	36.77	0.475	12.67	13.92	0.250
Arizona	10.89	11.26	0.536	14.28	15.01	0.503	29.42	27.76	0.310	7.29	7.98	0.313
Arkansas	10.78 ^a	9.38	0.011	12.33	11.89	0.624	27.59 ^a	23.77	0.011	7.85 ^b	6.69	0.066
California	12.91 ^a	13.74	0.043	15.12	15.88	0.273	32.15	32.87	0.484	8.91 ^b	9.81	0.076
Colorado	15.12 ^a	16.93	0.024	18.55	19.05	0.687	38.59	40.92	0.208	10.79 ^b	12.54	0.068
Connecticut	12.56 ^a	13.79	0.047	15.91	16.77	0.450	37.10	39.03	0.291	8.25	9.31	0.140
Delaware	11.82	12.42	0.307	15.53	16.71	0.293	35.92	35.65	0.870	7.35	8.09	0.277
District of Columbia	14.34 ^d	16.14	0.047	14.59 ^b	16.66	0.082	33.16	34.39	0.464	10.11 ^b	12.08	0.071
Florida	10.12 ^b	10.76	0.089	12.94 ^b	14.10	0.061	26.58 ^a	28.67	0.034	7.38	7.70	0.466
Georgia	11.03	10.44	0.258	12.69	13.25	0.552	26.60	26.24	0.810	8.15	7.29	0.169
Hawaii	12.06	11.62	0.560	14.45	13.86	0.615	31.14	31.46	0.848	8.74	8.22	0.568
Idaho	10.66 ^a	12.30	0.004	13.44	13.96	0.596	28.30	29.75	0.349	7.15 ^a	8.89	0.009
Illinois	10.54 ^a	11.27	0.028	13.33	13.40	0.906	27.95 ^a	31.15	0.000	7.01	7.40	0.333
Indiana	10.28	10.18	0.833	12.90	12.38	0.561	27.22	28.29	0.497	7.08	6.76	0.552
Iowa	7.68 ^a	8.86	0.008	11.72	13.13	0.121	20.54 ^a	24.46	0.009	4.90	5.53	0.188
Kansas	9.39	9.71	0.473	12.12	12.59	0.622	25.63	26.91	0.399	6.00	6.04	0.934
Kentucky	8.83 ^b	8.10	0.099	10.91	11.19	0.765	24.66	22.88	0.219	6.10	5.37	0.136
Louisiana	8.52	8.73	0.642	9.76	10.55	0.373	23.23	24.09	0.522	5.51	5.55	0.944
Maine	13.55 ^b	14.68	0.100	14.20	15.28	0.352	39.68	41.89	0.208	9.85	10.76	0.267
Maryland	10.69	10.09	0.264	13.73	13.72	0.986	30.32	30.94	0.723	6.98	6.12	0.167
Massachusetts	14.57 ^a	16.73	0.001	16.44	17.38	0.414	40.19 ^a	44.29	0.024	9.81 ^a	11.77	0.013
Michigan	12.20 ^a	13.05	0.025	14.21	14.30	0.890	32.33	32.59	0.787	8.51 ^a	9.53	0.025
Minnesota	10.37	10.61	0.639	11.29	11.90	0.490	29.92	30.02	0.949	6.92	7.11	0.735
Mississippi	7.88	8.50	0.172	9.92	10.65	0.351	20.36	21.70	0.313	5.30	5.73	0.410
Missouri	9.73	10.23	0.299	11.54	12.15	0.525	27.19	27.60	0.785	6.62	7.06	0.428
Montana	12.23 ^a	14.61	0.001	15.50	16.83	0.235	34.96	37.60	0.150	8.04 ^a	10.35	0.005

(continued)

Table C.2 Marijuana Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	9.25	9.55	0.522	10.87	10.81	0.940	24.63	26.28	0.269	6.12	6.16	0.949
Nevada	11.09	11.25	0.796	16.45	15.02	0.219	28.98	28.03	0.597	7.74	8.19	0.532
New Hampshire	14.87	15.26	0.602	16.56	18.45	0.148	41.83	41.74	0.961	10.55	10.70	0.859
New Jersey	9.19 ^a	10.62	0.003	11.63 ^a	13.61	0.044	30.00	31.78	0.284	5.67 ^a	7.00	0.015
New Mexico	10.95 ^a	12.50	0.003	16.83	18.12	0.269	29.23 ^b	31.97	0.089	6.82 ^a	8.21	0.025
New York	12.82	13.00	0.661	14.87	14.32	0.413	36.36 ^b	34.56	0.073	8.34	9.03	0.158
North Carolina	10.46	10.67	0.677	13.41	12.38	0.299	28.35	30.26	0.249	7.20	7.19	0.985
North Dakota	8.29	8.35	0.883	9.42	9.84	0.601	23.06	22.55	0.718	4.85	4.89	0.940
Ohio	10.08	10.37	0.371	12.97	13.13	0.784	29.54	30.67	0.185	6.52	6.71	0.639
Oklahoma	10.19 ^b	11.09	0.092	12.69	13.92	0.240	25.06 ^b	27.95	0.086	7.16	7.62	0.447
Oregon	14.41 ^b	15.79	0.052	18.34	19.53	0.332	37.33	38.90	0.360	10.40	11.66	0.130
Pennsylvania	10.04 ^a	10.97	0.005	12.87	13.62	0.239	28.78 ^a	31.43	0.008	6.62 ^b	7.29	0.089
Rhode Island	14.34 ^a	16.10	0.014	16.31	17.03	0.512	39.48 ^b	42.69	0.075	9.39 ^b	10.98	0.061
South Carolina	9.36 ^a	10.52	0.025	11.75	12.07	0.727	25.58 ^a	28.75	0.049	6.40	7.31	0.126
South Dakota	8.96	8.79	0.693	12.05	11.22	0.385	25.67	25.66	0.995	5.55	5.40	0.753
Tennessee	9.61	9.49	0.812	10.52	11.08	0.515	26.28	25.96	0.838	6.95	6.71	0.682
Texas	8.31 ^a	9.19	0.002	11.24 ^a	12.38	0.043	22.03 ^a	23.83	0.039	5.29 ^b	5.93	0.056
Utah	7.18	6.94	0.588	9.73	9.27	0.617	17.70	18.52	0.523	4.13	3.70	0.364
Vermont	15.95	16.99	0.165	16.67	17.88	0.313	45.25	46.35	0.575	11.09	11.83	0.397
Virginia	9.75	10.35	0.209	13.80	13.10	0.475	27.03	29.32	0.143	6.32	6.71	0.453
Washington	12.81 ^b	13.98	0.091	15.24	15.32	0.939	34.11 ^a	38.50	0.011	9.08	9.81	0.371
West Virginia	9.60	10.28	0.178	12.05	12.36	0.741	26.63	27.49	0.602	6.88	7.47	0.302
Wisconsin	10.65	10.50	0.754	13.71	13.94	0.811	31.13	29.61	0.337	6.82	6.75	0.896
Wyoming	9.88	9.27	0.211	14.19	13.83	0.743	27.24	25.60	0.326	6.27	5.72	0.287

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.3 Marijuana Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	6.40 ^a	6.77	0.000	7.03 ^a	7.38	0.035	17.42 ^a	18.39	0.000	4.42 ^a	4.68	0.037
Northeast	7.14 ^a	7.55	0.021	7.94 ^b	8.43	0.082	21.45	21.98	0.377	4.63 ^b	5.01	0.069
Midwest	6.07 ^a	6.34	0.039	7.03	7.13	0.624	16.57 ^a	17.55	0.027	4.14	4.28	0.362
South	5.47 ^a	5.73	0.049	6.06 ^b	6.44	0.069	15.21 ^a	16.18	0.034	3.76	3.85	0.549
West	7.57 ^a	8.21	0.004	7.86	8.32	0.157	18.43 ^a	19.80	0.027	5.56 ^b	6.09	0.053
Alabama	5.04	4.94	0.751	5.70	5.75	0.936	14.49	13.90	0.626	3.35	3.30	0.873
Alaska	11.52	11.84	0.683	9.14	8.64	0.543	25.16	24.46	0.681	9.30	9.82	0.611
Arizona	6.70	6.52	0.692	7.28	7.58	0.676	17.08	15.95	0.402	4.86	4.78	0.888
Arkansas	6.11 ^b	5.47	0.080	6.73	6.38	0.585	16.16 ^b	13.88	0.060	4.40	3.96	0.307
California	7.67 ^b	8.23	0.072	7.70 ^b	8.60	0.073	18.67	19.94	0.137	5.57	5.96	0.302
Colorado	9.77 ^a	11.29	0.018	10.17	9.91	0.768	24.18	26.35	0.190	7.31 ^b	8.86	0.052
Connecticut	7.26	7.69	0.321	8.35	8.86	0.515	22.56	23.56	0.521	4.70	4.96	0.601
Delaware	6.97	6.98	0.992	7.54	8.49	0.226	22.67	21.05	0.324	4.29	4.48	0.666
District of Columbia	8.46 ^a	10.04	0.009	7.50 ^a	9.31	0.037	19.59	21.14	0.345	6.07 ^a	7.67	0.026
Florida	5.80	6.10	0.284	6.31	6.92	0.147	15.21 ^a	17.22	0.021	4.35	4.33	0.954
Georgia	6.06 ^b	5.50	0.100	5.50	6.42	0.148	15.87	14.91	0.442	4.46 ^b	3.73	0.064
Hawaii	8.46	7.88	0.341	7.72	7.90	0.825	19.15	19.89	0.619	6.84	5.97	0.232
Idaho	5.89 ^a	7.29	0.003	7.50	7.63	0.855	14.13 ^b	16.49	0.075	4.21 ^a	5.56	0.014
Illinois	5.91 ^a	6.50	0.020	7.29	7.53	0.575	16.23 ^a	18.79	0.002	3.86	4.15	0.334
Indiana	6.08	6.10	0.968	7.24	6.68	0.357	16.48	17.50	0.445	4.17	4.05	0.767
Iowa	4.48	4.92	0.142	6.88	6.94	0.926	11.62 ^a	14.27	0.028	2.92	2.99	0.838
Kansas	5.02	5.33	0.373	5.97	6.42	0.477	13.04	14.07	0.403	3.40	3.52	0.767
Kentucky	4.81	4.58	0.444	5.27	5.44	0.764	14.25	14.26	0.993	3.27	2.93	0.306
Louisiana	5.14	5.19	0.874	4.82	5.28	0.405	15.19	15.76	0.626	3.26	3.17	0.799
Maine	9.81	9.77	0.942	8.43	8.94	0.556	26.13	27.34	0.464	7.69	7.36	0.635
Maryland	5.66	6.11	0.207	7.01	7.07	0.928	17.03	19.01	0.156	3.56	3.81	0.539
Massachusetts	8.74 ^a	10.11	0.007	9.09	10.27	0.135	24.84 ^b	27.98	0.060	5.84 ^b	6.92	0.070
Michigan	7.52 ^a	8.43	0.003	7.88	8.09	0.665	18.99	20.06	0.180	5.52 ^a	6.47	0.011
Minnesota	5.98	5.93	0.895	5.58	6.09	0.387	17.10	16.76	0.791	4.13	4.05	0.849
Mississippi	4.54	4.69	0.630	5.02	5.22	0.704	11.72	12.57	0.445	3.15	3.15	0.995
Missouri	5.94	6.13	0.590	5.74	6.42	0.299	16.91	17.44	0.681	4.15	4.18	0.943
Montana	8.12 ^b	9.24	0.052	8.78	9.61	0.301	21.99	22.71	0.644	5.72	6.84	0.109

(continued)

Table C.3 *Marijuana Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)*

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	5.36	5.88	0.121	6.09	6.30	0.761	14.70	15.44	0.564	3.50	3.98	0.197
Nevada	7.00	7.01	0.970	8.96 ^b	7.61	0.076	18.34	18.16	0.902	5.06	5.22	0.756
New Hampshire	9.62	9.96	0.529	9.66 ^b	11.51	0.060	27.28	28.29	0.553	6.91	6.88	0.969
New Jersey	5.04 ^b	5.66	0.078	6.16	7.21	0.112	17.42	17.95	0.698	2.99	3.58	0.146
New Mexico	6.54 ^a	7.73	0.007	9.25	9.34	0.908	15.74 ^a	19.25	0.010	4.49 ^b	5.41	0.077
New York	7.73	7.75	0.945	8.50	8.58	0.873	23.09 ^b	21.46	0.078	4.87	5.22	0.310
North Carolina	6.30 ^b	7.07	0.059	7.19	7.10	0.876	16.85 ^a	19.72	0.045	4.49	4.96	0.318
North Dakota	4.67 ^b	4.10	0.079	5.06	4.40	0.196	10.65	9.98	0.542	3.30	2.71	0.121
Ohio	5.96	6.03	0.767	7.63	7.61	0.966	17.26	18.34	0.145	3.89	3.81	0.788
Oklahoma	5.60 ^a	6.90	0.002	6.23	7.17	0.149	14.18 ^a	17.36	0.018	3.96 ^b	4.94	0.054
Oregon	9.29	10.21	0.133	8.66	9.46	0.331	23.87	23.88	0.994	7.11	8.11	0.187
Pennsylvania	5.81	6.17	0.134	7.19	7.40	0.663	17.08 ^a	19.18	0.013	3.80	3.88	0.773
Rhode Island	10.04	10.80	0.205	9.09	9.63	0.539	27.14	29.83	0.141	6.94	7.34	0.570
South Carolina	5.91	5.99	0.825	5.55	5.74	0.736	16.88	17.59	0.585	4.16	4.10	0.877
South Dakota	5.14	4.92	0.534	6.61 ^b	5.51	0.077	13.55	13.31	0.851	3.44	3.32	0.766
Tennessee	5.42 ^a	4.67	0.022	5.19	5.34	0.798	16.64 ^b	14.17	0.057	3.72 ^b	3.09	0.083
Texas	4.74 ^a	5.40	0.002	6.11	6.49	0.341	13.45 ^b	14.74	0.096	2.91 ^a	3.46	0.033
Utah	3.60 ^b	3.11	0.068	4.78 ^a	3.68	0.044	8.21	7.74	0.618	2.27	1.90	0.224
Vermont	10.85	11.57	0.275	9.73	10.65	0.346	30.56	32.01	0.422	7.75	8.15	0.625
Virginia	5.33	5.85	0.126	6.33	6.74	0.538	15.70	17.40	0.182	3.45	3.73	0.463
Washington	7.21 ^a	8.86	0.004	7.74	8.01	0.715	17.19 ^a	22.74	0.001	5.53 ^b	6.69	0.084
West Virginia	5.50	5.99	0.175	5.74	6.14	0.514	17.46	18.89	0.321	3.74	4.03	0.476
Wisconsin	6.19	5.67	0.168	7.20	6.87	0.591	17.49	15.81	0.196	4.16	3.76	0.346
Wyoming	5.42	5.37	0.896	7.55	7.07	0.471	15.50	15.26	0.847	3.37	3.35	0.975

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.4 Perceptions of Great Risk of Smoking Marijuana Once a Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	35.75 ^a	33.57	0.000	31.84 ^a	29.93	0.000	21.30 ^a	19.24	0.000	38.75 ^a	36.52	0.000
Northeast	32.82 ^a	31.35	0.001	28.53 ^a	26.17	0.000	17.46 ^a	16.00	0.002	35.93 ^a	34.55	0.017
Midwest	34.22 ^a	31.95	0.000	32.93 ^a	31.09	0.000	19.87 ^a	17.48	0.000	36.87 ^a	34.59	0.000
South	39.95 ^a	37.98	0.000	34.60 ^a	32.77	0.000	24.25 ^a	22.15	0.000	43.28 ^a	41.35	0.000
West	32.92 ^a	29.89	0.000	29.05 ^a	27.27	0.002	21.10 ^a	18.88	0.000	35.59 ^a	32.24	0.000
Alabama	41.12	41.00	0.924	39.41	40.12	0.673	28.47	28.46	0.996	43.48	43.26	0.893
Alaska	27.80 ^a	24.37	0.004	28.13	25.56	0.169	17.04 ^b	14.70	0.053	29.78 ^a	26.10	0.017
Arizona	34.84 ^a	31.99	0.023	28.86	27.03	0.255	22.86	21.41	0.310	37.66 ^a	34.42	0.043
Arkansas	39.79	37.94	0.126	36.75	34.01	0.123	22.80	21.21	0.250	42.94	41.20	0.246
California	34.50 ^a	31.22	0.000	28.11 ^a	26.14	0.026	22.36 ^a	20.22	0.009	37.72 ^a	34.01	0.000
Colorado	26.74 ^a	22.32	0.000	25.24	23.10	0.134	14.95	13.21	0.107	28.90 ^a	23.80	0.000
Connecticut	33.13	31.35	0.136	28.49 ^a	23.45	0.003	17.73 ^a	15.41	0.033	36.15	34.91	0.408
Delaware	33.59 ^a	30.69	0.013	30.51	28.07	0.125	18.49 ^a	15.46	0.006	36.48 ^a	33.51	0.042
District of Columbia	29.19 ^a	26.77	0.034	27.40	24.44	0.121	16.81	15.44	0.231	32.13 ^b	29.47	0.067
Florida	42.23 ^b	40.76	0.057	33.87 ^a	31.86	0.034	24.92 ^a	21.77	0.001	45.71	44.57	0.235
Georgia	35.32	35.37	0.964	30.34	30.20	0.928	20.16	21.30	0.407	38.59	38.54	0.977
Hawaii	33.77	31.75	0.117	29.23 ^b	26.38	0.078	21.54 ^a	18.90	0.037	36.23	34.38	0.246
Idaho	33.64	33.15	0.669	33.91	32.33	0.318	20.85	20.91	0.966	35.85	35.50	0.811
Illinois	36.03 ^a	32.81	0.000	32.62 ^a	29.72	0.001	22.21 ^a	18.69	0.000	38.98 ^a	35.76	0.000
Indiana	35.34 ^b	33.20	0.057	33.39	34.29	0.551	20.29 ^b	17.84	0.053	38.13 ^b	35.72	0.094
Iowa	35.39 ^b	33.24	0.080	37.01 ^a	33.37	0.017	20.18 ^a	17.70	0.049	37.87	36.03	0.238
Kansas	36.77	34.85	0.118	34.17	31.61	0.107	20.32 ^b	17.94	0.075	40.18	38.51	0.284
Kentucky	41.41 ^a	38.14	0.010	39.04	39.48	0.794	24.12	24.10	0.989	44.40 ^a	40.22	0.009
Louisiana	41.86	40.54	0.276	38.44 ^a	35.14	0.039	25.82	24.59	0.392	45.41	44.31	0.476
Maine	28.19 ^a	25.13	0.009	28.86	26.52	0.118	14.92 ^a	12.79	0.048	29.96 ^a	26.74	0.025
Maryland	34.42	33.01	0.259	30.30 ^a	26.54	0.018	19.80 ^a	16.80	0.020	37.42	36.55	0.582
Massachusetts	25.59	24.96	0.596	24.40 ^a	20.44	0.004	13.47 ^a	11.03	0.013	27.87	27.95	0.960
Michigan	31.57 ^a	29.36	0.002	31.38 ^a	28.40	0.000	17.44	16.21	0.104	33.99 ^a	31.75	0.012
Minnesota	28.46	27.72	0.502	28.55	28.73	0.898	17.06	15.82	0.273	30.40	29.65	0.591
Mississippi	47.21	45.18	0.121	40.42	41.61	0.499	29.43	27.86	0.361	51.44	48.92	0.134
Missouri	36.08 ^b	34.16	0.097	34.94 ^a	31.67	0.020	21.45 ^b	19.19	0.096	38.64	36.99	0.263
Montana	30.99 ^a	27.58	0.003	29.24 ^a	26.18	0.029	16.16 ^a	13.20	0.005	33.68 ^a	30.24	0.018

(continued)

Table C.4 Perceptions of Great Risk of Smoking Marijuana Once a Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	36.89 ^a	34.47	0.045	38.07	36.34	0.330	19.05	17.72	0.280	40.11 ^b	37.46	0.092
Nevada	35.00 ^a	31.64	0.004	30.70	29.66	0.532	22.70 ^a	19.31	0.008	37.38 ^a	33.79	0.014
New Hampshire	25.37	24.05	0.245	23.43	22.33	0.416	12.23	10.99	0.203	27.62	26.32	0.359
New Jersey	36.23 ^b	34.07	0.096	29.21	26.87	0.130	18.41	17.03	0.247	39.85	37.57	0.161
New Mexico	39.02 ^a	36.17	0.022	30.94 ^a	26.49	0.004	23.08 ^a	19.16	0.004	43.01	40.53	0.126
New York	34.12 ^b	32.77	0.077	28.67 ^a	26.59	0.027	18.78	17.92	0.254	37.55	36.14	0.146
North Carolina	34.08	33.32	0.519	29.94	27.56	0.106	21.51 ^b	19.21	0.087	36.62	36.37	0.864
North Dakota	35.88	35.80	0.938	35.88	35.51	0.830	20.18	20.10	0.953	39.40	39.48	0.957
Ohio	34.15 ^a	32.47	0.021	32.61	31.33	0.133	19.41 ^a	17.18	0.001	36.76 ^b	35.11	0.073
Oklahoma	37.72	36.43	0.332	37.82 ^a	33.30	0.006	24.39 ^a	20.60	0.009	40.14	39.76	0.825
Oregon	26.66 ^a	22.71	0.001	26.42	24.28	0.142	15.00 ^a	11.75	0.001	28.49 ^a	24.29	0.003
Pennsylvania	34.19	32.93	0.102	30.70	29.41	0.178	18.17 ^b	16.62	0.058	37.24	36.03	0.214
Rhode Island	28.45	26.90	0.203	28.23 ^a	24.53	0.015	14.28 ^a	12.09	0.034	31.13	29.97	0.454
South Carolina	40.24	38.58	0.197	33.86 ^b	30.94	0.056	23.04	20.86	0.110	43.85	42.44	0.377
South Dakota	37.92	35.85	0.112	35.34	34.30	0.537	22.26 ^a	18.54	0.009	41.08	39.21	0.259
Tennessee	39.40 ^b	37.04	0.071	34.73 ^b	31.96	0.078	20.37	18.65	0.195	42.87	40.53	0.150
Texas	44.28 ^a	40.40	0.000	36.92	35.65	0.197	28.17 ^a	25.32	0.002	48.39 ^a	43.96	0.000
Utah	38.16	37.59	0.635	43.40	44.80	0.452	26.87	25.32	0.346	40.10	39.42	0.673
Vermont	25.22 ^a	22.73	0.030	23.93	23.35	0.688	11.73	10.51	0.234	27.57 ^b	24.77	0.052
Virginia	34.58	32.65	0.116	30.56 ^a	26.95	0.013	21.37 ^a	18.40	0.025	37.31	35.82	0.334
Washington	26.26 ^b	24.31	0.076	28.94	28.04	0.511	16.37 ^a	13.77	0.017	27.53	25.59	0.159
West Virginia	44.03 ^a	39.95	0.001	38.16	35.75	0.136	23.66 ^b	21.16	0.081	47.60 ^a	43.22	0.004
Wisconsin	33.81 ^a	29.91	0.001	33.56	32.53	0.538	19.54 ^a	15.91	0.003	36.24 ^a	32.04	0.004
Wyoming	35.61	33.76	0.133	39.62	36.98	0.222	21.28	20.06	0.377	37.65	35.88	0.256

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.5 First Use of Marijuana, by Age Group and State: Average Annual Rates and P Values from Tests of Differences between Rates, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	1.75 ^a	1.82	0.028	5.74	5.93	0.106	7.09	7.29	0.229	0.13	0.16	0.164
Northeast	1.80 ^a	1.94	0.005	5.92 ^b	6.24	0.065	7.96	8.43	0.113	0.13	0.15	0.346
Midwest	1.79	1.83	0.241	5.57	5.71	0.270	7.41	7.46	0.795	0.12	0.14	0.425
South	1.56	1.62	0.148	5.22	5.34	0.353	6.34	6.58	0.208	0.12	0.14	0.416
West	2.00	2.07	0.257	6.57	6.82	0.206	7.38	7.49	0.680	0.14	0.20	0.123
Alabama	1.38	1.42	0.537	4.47	4.54	0.820	5.53	5.74	0.657	0.12	0.13	0.581
Alaska	2.30 ^b	2.57	0.055	6.35	6.87	0.264	7.33	8.16	0.264	0.17	0.24	0.238
Arizona	1.72	1.79	0.460	6.10	6.33	0.626	6.58	6.35	0.690	0.12	0.17	0.193
Arkansas	1.56	1.49	0.431	5.15	5.00	0.704	6.99	6.25	0.178	0.12	0.14	0.667
California	2.06	2.09	0.641	6.66	6.88	0.468	7.39	7.40	0.965	0.14	0.20	0.122
Colorado	2.45 ^a	2.78	0.028	8.11 ^a	9.31	0.032	9.23	9.61	0.653	0.17	0.21	0.438
Connecticut	2.14	2.27	0.254	7.09	7.23	0.775	8.98 ^a	10.51	0.041	0.14	0.15	0.751
Delaware	2.13	2.19	0.601	6.67	7.25	0.227	9.55	9.24	0.657	0.14	0.14	0.839
District of Columbia	2.33	2.44	0.422	7.25	7.53	0.596	8.38	9.44	0.160	0.24	0.20	0.451
Florida	1.39	1.46	0.239	5.35	5.69	0.205	6.22	6.40	0.638	0.10	0.14	0.216
Georgia	1.87	1.88	0.869	5.46	6.09	0.150	6.90	6.58	0.573	0.17	0.15	0.654
Hawaii	1.71	1.87	0.201	6.42	6.85	0.452	7.57	8.24	0.399	0.11	0.21	0.174
Idaho	1.86	1.97	0.240	5.50	5.71	0.593	7.18	7.52	0.544	0.13	0.16	0.302
Illinois	1.74	1.84	0.128	5.65	5.67	0.965	6.85 ^a	7.69	0.023	0.12	0.14	0.424
Indiana	1.76	1.73	0.753	5.81	5.64	0.649	7.37	7.02	0.548	0.11	0.13	0.489
Iowa	1.55 ^a	1.79	0.012	5.34	5.97	0.120	5.97 ^b	7.04	0.060	0.10	0.13	0.231
Kansas	1.72	1.71	0.912	5.65	5.61	0.916	6.85	6.48	0.535	0.10	0.14	0.187
Kentucky	1.48	1.50	0.793	5.46	5.15	0.439	6.09	6.18	0.857	0.14	0.15	0.705
Louisiana	1.33	1.36	0.755	3.89	4.11	0.511	5.53	5.59	0.915	0.12	0.14	0.451
Maine	1.73	1.82	0.339	5.43	5.93	0.209	8.97	9.05	0.914	0.14	0.16	0.707
Maryland	1.81	1.83	0.849	5.61	5.59	0.965	8.20	8.01	0.781	0.12	0.12	0.876
Massachusetts	2.27	2.45	0.178	7.13 ^b	8.02	0.061	9.69	9.82	0.874	0.16	0.18	0.602
Michigan	2.10	2.19	0.242	5.97	6.04	0.803	8.72	8.93	0.630	0.13	0.15	0.709
Minnesota	1.77	1.85	0.384	4.85	5.42	0.132	7.89	7.65	0.709	0.12	0.14	0.391
Mississippi	1.34	1.38	0.587	4.09	4.16	0.840	5.22	5.29	0.884	0.11	0.13	0.493
Missouri	1.64	1.66	0.799	5.11	5.61	0.168	7.12	6.50	0.254	0.12	0.14	0.498
Montana	2.04 ^a	2.53	0.000	6.67 ^b	7.53	0.069	9.79 ^a	11.68	0.021	0.13	0.18	0.174

(continued)

Table C.5 First Use of Marijuana, by Age Group and State: Average Annual Rates and P Values from Tests of Differences between Rates, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	1.54	1.55	0.929	4.48	4.52	0.921	6.32	6.44	0.823	0.10	0.13	0.230
Nevada	1.85	1.80	0.621	7.16	6.51	0.213	6.55	6.37	0.771	0.15	0.18	0.433
New Hampshire	2.25 ^a	2.53	0.048	6.29 ^a	7.42	0.029	10.53	10.61	0.932	0.15	0.17	0.684
New Jersey	1.50 ^a	1.85	0.000	4.89 ^a	6.00	0.006	7.69	8.72	0.128	0.10	0.15	0.190
New Mexico	2.06	2.22	0.192	7.84	8.27	0.410	8.01	8.12	0.881	0.12 ^a	0.24	0.050
New York	1.81	1.82	0.978	6.05	5.71	0.188	7.38	7.43	0.912	0.13	0.16	0.373
North Carolina	1.69	1.60	0.357	6.24 ^b	5.36	0.053	6.67	6.85	0.782	0.13	0.13	0.975
North Dakota	1.56	1.60	0.703	4.28	4.52	0.519	6.59	6.14	0.420	0.08	0.13	0.142
Ohio	1.78	1.81	0.641	5.59	5.68	0.709	7.47	7.59	0.733	0.13	0.14	0.755
Oklahoma	1.47	1.60	0.127	4.87 ^b	5.55	0.089	5.77	6.07	0.554	0.11	0.16	0.130
Oregon	2.42	2.23	0.135	7.87	7.49	0.427	9.63	9.06	0.495	0.19	0.20	0.908
Pennsylvania	1.61 ^a	1.79	0.011	5.37	5.81	0.104	7.47	8.27	0.106	0.10	0.13	0.458
Rhode Island	2.27	2.42	0.287	7.20	7.17	0.963	9.16	10.13	0.251	0.16	0.19	0.580
South Carolina	1.46	1.54	0.340	4.77	4.89	0.773	6.41	7.07	0.247	0.12	0.13	0.807
South Dakota	1.59	1.62	0.743	5.17	4.84	0.391	6.70	7.04	0.567	0.09	0.14	0.151
Tennessee	1.26 ^b	1.39	0.078	4.11	4.26	0.633	6.00	6.65	0.230	0.12	0.13	0.648
Texas	1.59 ^a	1.75	0.015	5.20	5.48	0.263	5.86 ^b	6.48	0.072	0.11	0.16	0.141
Utah	1.29	1.36	0.531	3.94	4.03	0.841	3.64	3.96	0.458	0.10	0.16	0.202
Vermont	2.47	2.70	0.105	7.37	8.21	0.102	11.93	12.47	0.599	0.15	0.17	0.724
Virginia	1.90	1.81	0.348	5.98	5.64	0.386	7.59	7.65	0.920	0.13	0.14	0.891
Washington	1.94	2.10	0.158	5.68	6.21	0.231	8.53	9.37	0.249	0.16	0.19	0.448
West Virginia	1.27 ^a	1.42	0.042	5.33	5.56	0.546	5.76	6.40	0.204	0.12	0.14	0.414
Wisconsin	1.92	1.82	0.331	6.16	6.36	0.623	8.39 ^a	7.04	0.037	0.12	0.13	0.587
Wyoming	1.92	2.03	0.268	6.47	6.59	0.796	7.70	7.97	0.664	0.11	0.16	0.131

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: *Average annual marijuana initiation rate* = $100 * \{ [X_1 \div (0.5 * X_1 + X_2)] \div 2 \}$, where X_1 is the number of marijuana initiates in the past 24 months and X_2 is the number of persons who never used marijuana. Both of the computation components, X_1 and X_2 , are based on a survey-weighted hierarchical Bayes estimation approach. Note that the age group is based on a respondent's age at the time of the interview, not his or her age at first use.

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.6 *Illicit Drug Use Other Than Marijuana in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs*

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	3.54	3.60	0.404	4.47	4.52	0.695	8.10	8.16	0.748	2.63	2.69	0.491
Northeast	3.49	3.65	0.207	4.11	4.02	0.669	8.90	8.96	0.853	2.50	2.71	0.177
Midwest	3.27	3.31	0.644	4.39	4.49	0.532	7.80	8.00	0.404	2.34	2.35	0.975
South	3.43	3.51	0.384	4.33	4.47	0.401	7.74	7.60	0.524	2.59	2.69	0.382
West	4.00	3.98	0.891	5.03	4.99	0.868	8.32	8.56	0.485	3.08	3.02	0.727
Alabama	3.83 ^b	3.31	0.053	4.85	4.96	0.834	9.40 ^a	7.53	0.020	2.75	2.38	0.247
Alaska	3.80	3.98	0.538	4.11	3.79	0.542	8.20	7.91	0.696	2.92	3.24	0.397
Arizona	4.17	4.31	0.672	5.02	4.87	0.808	8.66	8.63	0.974	3.29	3.51	0.601
Arkansas	3.71	4.00	0.308	4.62	5.01	0.464	8.38	8.58	0.777	2.84	3.11	0.412
California	4.02	3.80	0.310	5.25	5.22	0.941	7.91	7.99	0.871	3.10	2.81	0.271
Colorado	3.62 ^a	4.17	0.046	4.24	4.63	0.456	9.90	9.75	0.868	2.50 ^a	3.16	0.048
Connecticut	3.41	3.77	0.248	4.45	4.16	0.550	8.62	9.07	0.550	2.46	2.86	0.291
Delaware	3.96	3.66	0.319	4.66	4.69	0.962	9.13	8.75	0.665	3.01	2.70	0.380
District of Columbia	4.01	4.65	0.113	4.39	4.37	0.965	6.60 ^b	7.80	0.080	3.39	3.99	0.242
Florida	3.39	3.47	0.693	4.46	4.47	0.990	6.79	7.13	0.451	2.77	2.81	0.864
Georgia	3.12	3.26	0.575	3.96	4.01	0.914	7.85	7.23	0.375	2.20	2.46	0.392
Hawaii	5.08 ^a	3.56	0.000	4.95	4.59	0.589	8.56	7.88	0.389	4.54 ^a	2.76	0.000
Idaho	3.82	3.91	0.746	4.81	4.61	0.709	7.59	8.49	0.241	3.01	2.98	0.913
Illinois	3.24	3.27	0.852	4.24	4.62	0.243	6.70 ^a	8.02	0.007	2.48	2.24	0.294
Indiana	3.93 ^b	3.45	0.075	5.32	4.77	0.277	8.51	7.91	0.453	2.97	2.51	0.136
Iowa	2.01 ^b	2.38	0.098	3.82 ^b	4.90	0.051	5.14	5.78	0.324	1.24	1.46	0.358
Kansas	3.33	3.41	0.762	4.39	4.42	0.954	7.30	8.11	0.274	2.45	2.38	0.806
Kentucky	3.97 ^a	3.42	0.036	4.70	4.62	0.876	9.08	8.17	0.258	3.08 ^b	2.52	0.073
Louisiana	3.79	4.14	0.224	4.07	4.20	0.812	9.26	9.56	0.727	2.69	3.09	0.248
Maine	3.44	3.65	0.410	4.46	4.30	0.739	9.78	10.90	0.193	2.45	2.56	0.711
Maryland	2.81	3.20	0.144	3.79	4.25	0.331	6.43	6.44	0.982	2.07	2.52	0.154
Massachusetts	4.07	4.24	0.609	4.25	4.25	0.997	9.92	11.20	0.129	3.01	3.00	0.987
Michigan	3.82	3.77	0.774	4.73	4.41	0.345	9.06	8.53	0.254	2.81	2.87	0.808
Minnesota	2.81	2.84	0.901	3.69	3.60	0.846	7.60	7.09	0.483	1.88	2.01	0.611
Mississippi	3.14	3.38	0.344	4.85	5.47	0.219	7.11	7.62	0.441	2.18	2.30	0.664
Missouri	3.12	2.99	0.553	4.04	4.15	0.805	8.21	7.46	0.327	2.16	2.09	0.765
Montana	3.46	3.15	0.209	4.57	4.59	0.973	8.73	7.68	0.162	2.45	2.19	0.381

(continued)

Table C.6 Illicit Drug Use Other Than Marijuana in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	2.83	2.98	0.478	4.35	4.07	0.571	6.35	6.51	0.812	1.96	2.16	0.421
Nevada	4.82	4.70	0.772	5.53	5.10	0.534	10.47	10.40	0.951	3.89	3.78	0.813
New Hampshire	4.20	4.65	0.175	4.55	4.39	0.773	11.48	12.60	0.233	3.05	3.42	0.354
New Jersey	2.78 ^a	3.33	0.039	3.61	3.56	0.917	7.76	8.26	0.519	1.91 ^a	2.54	0.049
New Mexico	3.78	4.00	0.463	5.39	5.48	0.889	7.70	8.74	0.191	2.85	2.94	0.800
New York	3.65	3.70	0.847	3.90	4.01	0.755	9.31 ^b	8.44	0.080	2.60	2.82	0.444
North Carolina	3.61	3.42	0.468	4.33	4.15	0.703	8.59	7.72	0.260	2.71	2.62	0.756
North Dakota	2.11	2.37	0.206	3.67	4.28	0.223	4.98	5.12	0.823	1.27	1.50	0.307
Ohio	3.21	3.48	0.147	4.30	4.64	0.309	8.42	8.70	0.527	2.22	2.48	0.241
Oklahoma	4.97	4.57	0.247	5.05	4.60	0.439	10.78	10.43	0.738	3.90	3.48	0.309
Oregon	4.89	4.38	0.178	5.37	5.52	0.803	10.39	9.95	0.627	3.98	3.35	0.168
Pennsylvania	3.16	3.21	0.737	4.40	4.07	0.339	7.68	7.99	0.540	2.27	2.33	0.760
Rhode Island	5.51 ^b	4.75	0.078	5.64	5.05	0.301	11.62	11.24	0.686	4.35	3.48	0.110
South Carolina	4.08	3.90	0.571	4.81	4.01	0.126	6.34	6.96	0.432	3.61	3.37	0.542
South Dakota	2.23	2.39	0.442	3.90	4.41	0.328	5.27	5.27	0.997	1.46	1.62	0.532
Tennessee	3.55	3.70	0.581	4.33	4.52	0.706	7.82	8.16	0.666	2.80	2.91	0.754
Texas	3.18	3.26	0.599	4.18	4.67	0.152	7.43	6.87	0.223	2.23	2.37	0.459
Utah	3.73	3.65	0.708	4.46	3.97	0.327	8.52	7.94	0.376	2.41	2.54	0.615
Vermont	3.90 ^a	4.57	0.026	4.14	4.10	0.939	12.01	12.73	0.496	2.55 ^b	3.21	0.060
Virginia	2.66 ^a	3.54	0.001	4.00	4.28	0.567	6.51 ^a	8.06	0.020	1.84 ^a	2.66	0.009
Washington	3.41 ^a	4.42	0.002	4.41	4.40	0.976	7.73 ^a	10.29	0.002	2.60 ^a	3.47	0.021
West Virginia	4.42	4.18	0.441	4.89	4.57	0.554	11.16	10.61	0.550	3.40	3.17	0.533
Wisconsin	3.39	3.71	0.225	4.66	4.87	0.698	8.90	9.68	0.372	2.30	2.53	0.454
Wyoming	2.75 ^a	3.27	0.043	4.49	4.98	0.342	6.82	7.41	0.401	1.82	2.31	0.105

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Illicit Drugs Other Than Marijuana include cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.7 Cocaine Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	2.01 ^a	1.85	0.004	1.11 ^b	0.98	0.069	5.46 ^a	5.00	0.002	1.53 ^b	1.41	0.067
Northeast	2.38	2.26	0.253	1.11 ^b	0.96	0.092	6.68	6.34	0.194	1.81	1.72	0.507
Midwest	1.82 ^a	1.54	0.001	1.06 ^b	0.93	0.098	5.12 ^a	4.27	0.000	1.34 ^a	1.14	0.047
South	1.81 ^b	1.66	0.068	0.98	0.89	0.182	4.64 ^a	4.25	0.035	1.44	1.32	0.231
West	2.21	2.10	0.401	1.35	1.20	0.234	6.08	5.80	0.366	1.62	1.55	0.628
Alabama	1.38	1.04	0.103	0.76	0.67	0.500	3.44 ^b	2.61	0.097	1.11	0.81	0.182
Alaska	2.99 ^b	2.31	0.063	1.45 ^a	0.88	0.003	7.38 ^a	5.90	0.032	2.39	1.81	0.221
Arizona	2.33	1.95	0.244	1.38	1.11	0.182	6.91	5.62	0.106	1.68	1.44	0.487
Arkansas	1.43	1.14	0.147	0.89	0.85	0.782	3.52	2.84	0.147	1.16	0.90	0.220
California	2.12	2.11	0.945	1.39	1.28	0.554	5.57	5.64	0.882	1.56	1.55	0.959
Colorado	3.28	3.06	0.580	1.37	1.15	0.307	8.94	8.44	0.578	2.56	2.36	0.644
Connecticut	2.05	1.69	0.189	1.26	1.04	0.258	6.25	5.13	0.105	1.49	1.21	0.366
Delaware	2.36 ^a	1.80	0.046	0.91	0.87	0.764	6.40 ^a	4.88	0.020	1.87	1.41	0.129
District of Columbia	3.76	3.13	0.227	0.43	0.38	0.431	5.14 ^b	4.26	0.087	3.76	3.13	0.357
Florida	1.80	1.85	0.794	1.05	0.88	0.165	4.70	5.05	0.383	1.46	1.47	0.936
Georgia	1.51	1.40	0.633	0.81	0.68	0.279	3.93	3.42	0.284	1.20	1.15	0.845
Hawaii	1.76	1.58	0.528	1.25	0.87	0.141	4.39	4.36	0.957	1.40	1.22	0.554
Idaho	1.31	1.07	0.205	1.24	1.03	0.292	4.52 ^b	3.55	0.088	0.75	0.63	0.499
Illinois	1.91	1.73	0.316	0.99	0.86	0.305	4.64	4.48	0.667	1.53	1.34	0.370
Indiana	1.66 ^a	1.16	0.015	1.09	0.90	0.233	4.97 ^a	3.37	0.003	1.18 ^b	0.82	0.084
Iowa	1.11	1.02	0.570	1.11	1.12	0.990	3.64	3.02	0.195	0.66	0.65	0.915
Kansas	1.52	1.58	0.796	1.11	1.07	0.810	4.97	4.56	0.505	0.94	1.08	0.528
Kentucky	1.36	1.26	0.601	1.02	1.05	0.892	4.37	3.71	0.238	0.93	0.89	0.841
Louisiana	2.34 ^a	1.65	0.012	0.84	0.72	0.308	4.77 ^a	3.68	0.028	2.08 ^a	1.39	0.032
Maine	2.30	1.99	0.225	1.13	1.05	0.662	7.67	6.94	0.334	1.69	1.39	0.261
Maryland	1.57	1.78	0.430	0.87	0.80	0.620	4.03	4.28	0.651	1.24	1.48	0.426
Massachusetts	2.45	2.97	0.112	1.18	0.99	0.292	7.16	8.12	0.193	1.76	2.28	0.146
Michigan	2.00 ^a	1.66	0.039	1.05	0.86	0.125	5.74 ^a	4.54	0.002	1.49	1.27	0.247
Minnesota	1.77 ^a	1.25	0.028	1.12	0.91	0.220	5.14 ^a	3.65	0.011	1.27	0.88	0.115
Mississippi	1.36	1.62	0.262	0.63	0.61	0.868	3.15	3.40	0.571	1.14	1.43	0.265
Missouri	2.01	1.69	0.188	1.00	0.92	0.584	5.74 ^a	4.58	0.049	1.52	1.30	0.384
Montana	2.32 ^b	1.84	0.063	1.17	1.03	0.440	7.60 ^a	5.76	0.012	1.58	1.25	0.210

(continued)

Table C.7 Cocaine Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	1.57	1.39	0.403	1.10	1.02	0.629	4.61	3.89	0.204	1.06	0.96	0.644
Nevada	2.34	2.41	0.840	1.50 ^b	1.06	0.056	6.72	6.59	0.863	1.79	1.93	0.709
New Hampshire	2.75	2.73	0.951	1.23	1.08	0.422	8.97	8.63	0.693	1.98	1.98	0.989
New Jersey	1.73	2.21	0.109	1.04	0.93	0.530	4.93	5.99	0.108	1.33	1.79	0.166
New Mexico	2.17	2.42	0.399	1.30	1.29	0.985	6.55	6.75	0.798	1.47	1.77	0.353
New York	2.66 ^a	2.25	0.040	1.09	0.97	0.387	7.31 ^b	6.42	0.054	2.02	1.67	0.139
North Carolina	2.10	1.82	0.322	0.93	0.83	0.487	4.90	4.37	0.337	1.79	1.51	0.384
North Dakota	1.22	0.97	0.146	1.05	1.00	0.792	3.78 ^a	2.69	0.024	0.68	0.58	0.544
Ohio	1.49	1.48	0.975	1.02	0.96	0.637	4.51	4.12	0.245	1.05	1.11	0.697
Oklahoma	1.50	1.37	0.489	1.14	1.05	0.571	4.70	4.02	0.208	0.97	0.92	0.801
Oregon	2.63 ^a	1.95	0.021	1.23	1.24	0.980	8.04 ^a	6.25	0.034	1.95 ^a	1.34	0.041
Pennsylvania	2.27	1.96	0.105	1.08	0.88	0.119	5.86	5.17	0.113	1.82	1.55	0.226
Rhode Island	3.89 ^a	2.90	0.017	1.28	1.07	0.276	9.39 ^a	7.41	0.022	3.17 ^b	2.26	0.052
South Carolina	2.75 ^b	2.11	0.051	0.83	0.68	0.190	4.97	4.14	0.110	2.62 ^b	1.95	0.076
South Dakota	1.17	1.14	0.849	0.95	0.88	0.668	3.91	3.27	0.229	0.71	0.78	0.712
Tennessee	1.57	1.22	0.162	0.93	0.91	0.881	4.31 ^a	2.99	0.026	1.23	0.98	0.355
Texas	1.89	1.76	0.436	1.16	1.13	0.812	5.09	4.70	0.336	1.40	1.30	0.604
Utah	1.43	1.31	0.562	1.16	1.08	0.694	4.14	3.43	0.170	0.80	0.83	0.879
Vermont	3.01	3.05	0.908	1.22	1.22	0.983	10.17	9.96	0.825	2.05	2.06	0.967
Virginia	1.75	1.84	0.738	1.02	0.85	0.262	4.95	4.99	0.948	1.30	1.42	0.691
Washington	2.08	2.10	0.927	1.20	1.05	0.447	6.24	6.31	0.931	1.51	1.54	0.932
West Virginia	2.51 ^a	1.86	0.014	1.05	0.95	0.528	7.65 ^a	5.86	0.011	1.93 ^a	1.36	0.036
Wisconsin	2.71 ^a	2.01	0.036	1.19	1.00	0.338	7.27 ^b	5.93	0.094	2.13 ^b	1.45	0.056
Wyoming	1.46	1.39	0.728	1.13	0.99	0.360	5.25	4.50	0.151	0.83	0.87	0.886

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.8 Nonmedical Use of Pain Relievers in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	4.86	4.89	0.755	6.55	6.43	0.482	12.00 ^a	11.54	0.026	3.41	3.53	0.231
Northeast	4.45	4.50	0.712	5.43	5.41	0.952	12.24	11.99	0.454	3.02	3.13	0.469
Midwest	4.84	4.80	0.776	6.76	6.58	0.393	12.21	11.99	0.436	3.32	3.33	0.932
South	4.80	4.77	0.812	6.52	6.48	0.822	11.94 ^a	11.28	0.014	3.37	3.44	0.653
West	5.30	5.45	0.383	7.21	6.98	0.459	11.73	11.17	0.128	3.87	4.21	0.121
Alabama	5.10	4.62	0.125	7.54	7.29	0.711	12.98 ^b	11.08	0.053	3.45	3.18	0.464
Alaska	5.26	5.41	0.651	7.16	6.71	0.587	11.62	11.36	0.770	3.78	4.05	0.510
Arizona	5.98	6.31	0.457	7.47	7.58	0.889	13.72	12.68	0.300	4.47	5.07	0.272
Arkansas	5.10	5.51	0.238	7.68	7.48	0.784	12.36	12.39	0.976	3.59	4.13	0.199
California	4.76	4.95	0.447	6.77	6.61	0.718	10.19	9.68	0.362	3.44	3.82	0.202
Colorado	5.67	6.23	0.153	7.34	7.23	0.883	13.63	13.51	0.905	4.14	4.86	0.121
Connecticut	3.78	4.12	0.229	5.04	5.00	0.941	10.56	11.08	0.545	2.55	2.88	0.327
Delaware	5.56	5.56	0.994	6.40	6.19	0.715	13.52	13.70	0.860	4.14	4.14	0.982
District of Columbia	3.65 ^b	4.29	0.053	4.38	4.67	0.564	7.82	8.23	0.557	2.65 ^b	3.39	0.077
Florida	4.14	4.37	0.284	5.96	6.00	0.928	10.40	9.76	0.241	3.01	3.38	0.147
Georgia	4.64	4.27	0.175	6.29	6.04	0.656	11.89 ^b	10.47	0.095	3.18	2.95	0.477
Hawaii	5.08 ^a	4.22	0.035	6.01	5.35	0.390	11.28 ^a	9.25	0.020	3.98	3.30	0.176
Idaho	5.84	6.09	0.497	7.94	7.52	0.586	12.86	13.20	0.737	4.31	4.59	0.528
Illinois	4.12	3.94	0.342	5.70	5.47	0.543	9.67	10.04	0.469	2.90	2.64	0.235
Indiana	5.67	5.73	0.876	8.10	7.57	0.434	13.86	14.75	0.416	3.97	3.93	0.916
Iowa	3.62	3.69	0.773	5.85	6.41	0.413	9.25	9.10	0.855	2.35	2.39	0.891
Kansas	5.00	4.71	0.267	7.60	6.81	0.216	11.49	11.15	0.703	3.44	3.20	0.452
Kentucky	6.00 ^b	5.36	0.064	7.62	7.54	0.911	15.60 ^b	13.67	0.076	4.30	3.78	0.186
Louisiana	5.27	5.67	0.217	6.21	6.39	0.779	13.68	13.93	0.795	3.52	4.00	0.229
Maine	4.68	4.51	0.542	6.32	6.01	0.635	13.62	13.81	0.840	3.27	3.03	0.468
Maryland	3.98	4.23	0.381	5.47	5.80	0.532	10.32	10.17	0.851	2.72	3.03	0.354
Massachusetts	5.31	5.07	0.438	5.47	5.61	0.814	14.18	13.12	0.244	3.71	3.58	0.716
Michigan	5.71	5.53	0.468	7.44 ^a	6.40	0.022	13.90	13.41	0.401	4.09	4.06	0.938
Minnesota	4.39	4.09	0.299	6.08	5.73	0.560	11.64	10.79	0.361	2.94	2.74	0.548
Mississippi	4.66	5.10	0.170	7.65	8.52	0.193	10.99	11.06	0.934	3.08	3.51	0.268
Missouri	4.38 ^a	5.13	0.006	6.15	6.77	0.336	12.32	13.22	0.327	2.85 ^a	3.57	0.026
Montana	5.29	5.07	0.512	7.17	7.09	0.906	14.15 ^b	12.31	0.061	3.59	3.58	0.990

(continued)

Table C.8 Nonmedical Use of Pain Relievers in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	3.57	3.91	0.207	5.69	5.61	0.883	9.37	9.38	0.989	2.19	2.64	0.171
Nevada	5.82	5.96	0.747	8.26	7.74	0.555	14.20	13.22	0.340	4.27	4.62	0.482
New Hampshire	5.95 ^b	5.38	0.094	7.03	6.20	0.235	16.79 ^b	14.90	0.070	4.16	3.78	0.332
New Jersey	3.75	4.15	0.129	4.58	4.95	0.477	11.64	11.97	0.705	2.43	2.85	0.182
New Mexico	5.64	5.78	0.719	8.42	8.29	0.887	11.43	11.17	0.761	4.20	4.47	0.592
New York	4.37	4.45	0.701	5.22	5.26	0.909	12.09	11.55	0.351	2.87	3.09	0.372
North Carolina	4.99	4.54	0.121	7.14	6.89	0.696	12.39 ^a	10.58	0.041	3.53	3.25	0.415
North Dakota	3.91	4.11	0.480	6.21	6.66	0.505	9.38	9.05	0.681	2.40	2.66	0.439
Ohio	5.47	5.48	0.981	7.37	7.62	0.551	14.62 ^b	13.59	0.094	3.73	3.89	0.585
Oklahoma	8.14 ^a	7.01	0.022	9.32	7.94	0.110	17.94 ^b	15.65	0.058	6.20	5.30	0.134
Oregon	6.80	6.68	0.800	8.76	7.86	0.233	15.50	14.71	0.466	5.23	5.26	0.956
Pennsylvania	4.48	4.40	0.735	6.07	5.75	0.427	11.24	11.55	0.605	3.17	3.07	0.677
Rhode Island	6.11	5.93	0.629	6.56	6.29	0.664	15.97	14.64	0.208	4.20	4.24	0.926
South Carolina	4.71	5.06	0.239	6.96	6.06	0.127	11.23	12.30	0.219	3.37	3.74	0.295
South Dakota	3.82	3.64	0.499	5.88	6.08	0.762	9.77	8.48	0.107	2.49	2.45	0.916
Tennessee	4.87	4.44	0.136	6.63	6.19	0.468	12.70	11.90	0.438	3.46	3.05	0.242
Texas	4.57	4.62	0.832	5.80	6.10	0.449	11.27	10.60	0.239	3.13	3.26	0.624
Utah	5.34	4.92	0.128	6.82	6.57	0.738	12.07 ^a	10.31	0.034	3.41	3.31	0.762
Vermont	4.61	4.85	0.442	5.81	6.00	0.768	13.65	13.34	0.768	2.99	3.26	0.465
Virginia	4.62	5.13	0.108	6.93	6.97	0.949	11.14	12.48	0.128	3.22	3.62	0.287
Washington	6.11	6.20	0.813	8.06	7.48	0.400	14.48	14.44	0.968	4.53	4.70	0.702
West Virginia	5.92	5.61	0.353	7.51	7.25	0.706	15.54	14.39	0.264	4.37	4.11	0.534
Wisconsin	4.78	4.56	0.472	6.99	7.12	0.848	12.87	11.64	0.219	3.14	3.01	0.714
Wyoming	3.89 ^a	4.56	0.022	6.77	7.05	0.707	9.94	10.61	0.455	2.46 ^a	3.15	0.044

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.9 Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	51.74	51.84	0.704	14.79 ^a	14.23	0.014	61.45	61.59	0.679	54.80	54.88	0.830
Northeast	56.57	57.12	0.356	16.68	16.17	0.212	67.33	67.64	0.719	59.59	60.19	0.386
Midwest	54.26	54.66	0.437	15.24 ^a	14.20	0.000	65.07	64.95	0.874	57.42	57.98	0.358
South	47.74	47.78	0.944	13.75	13.40	0.231	57.62	57.73	0.882	50.43	50.41	0.970
West	51.78	51.40	0.553	14.56	14.12	0.295	59.40	59.80	0.655	55.40	54.77	0.417
Alabama	42.94	43.09	0.903	12.70	12.12	0.516	54.41	52.31	0.231	44.84	45.39	0.732
Alaska	54.52	52.81	0.197	14.22	13.67	0.584	60.50	59.18	0.470	59.37	57.10	0.185
Arizona	51.15 ^a	48.13	0.025	14.80	13.61	0.265	59.35 ^a	55.58	0.031	54.60 ^b	51.36	0.057
Arkansas	43.29	41.23	0.126	15.34	14.26	0.288	55.94	54.67	0.467	44.80	42.43	0.163
California	50.65	50.34	0.728	14.11	13.99	0.860	59.79	60.99	0.300	53.99	53.27	0.513
Colorado	62.22	62.68	0.705	20.22 ^a	17.66	0.040	69.51	69.60	0.956	66.11	66.87	0.618
Connecticut	59.32	59.38	0.963	18.56	17.75	0.482	67.86	68.76	0.589	63.08	62.98	0.950
Delaware	56.32	56.60	0.829	16.35	16.14	0.837	68.53	66.70	0.253	59.18	59.73	0.735
District of Columbia	61.55	61.58	0.984	15.63	14.09	0.179	71.82	71.99	0.909	63.53	63.51	0.987
Florida	51.41	50.70	0.422	15.30	14.36	0.160	56.91	56.80	0.926	54.58	53.73	0.427
Georgia	48.89	48.05	0.526	13.56	14.20	0.478	58.18	57.92	0.884	52.19	50.94	0.464
Hawaii	48.23	47.89	0.808	11.64	12.92	0.225	57.21	59.80	0.162	50.95	49.83	0.524
Idaho	45.71	47.46	0.163	12.91	13.15	0.793	52.50	54.67	0.234	49.19	50.98	0.269
Illinois	54.33	54.21	0.881	15.16 ^a	13.75	0.026	64.88 ^b	66.68	0.099	57.60	57.23	0.715
Indiana	48.06	49.42	0.286	14.41 ^b	12.70	0.057	57.94	60.22	0.198	50.82	52.31	0.354
Iowa	56.70	56.27	0.744	17.34	17.30	0.971	69.06	68.25	0.617	59.43	58.85	0.728
Kansas	53.92	55.54	0.218	15.93	15.69	0.810	66.34 ^b	63.16	0.065	56.66	59.31	0.114
Kentucky	38.74	39.06	0.811	12.21	13.02	0.415	50.64	49.56	0.561	40.10	40.49	0.812
Louisiana	48.24	46.83	0.268	15.26	15.07	0.852	61.67	59.37	0.188	50.16	48.66	0.356
Maine	55.07	56.20	0.404	14.57	13.73	0.399	65.34	65.13	0.903	58.08	59.47	0.403
Maryland	54.24 ^b	51.89	0.071	14.02	12.81	0.183	61.74	59.09	0.143	58.09	55.51	0.119
Massachusetts	61.54 ^b	63.62	0.074	16.89	15.58	0.218	72.39	74.33	0.199	64.83	67.23	0.103
Michigan	54.65	54.73	0.925	14.56 ^a	13.35	0.047	63.73	62.62	0.322	58.39	58.70	0.760
Minnesota	60.95	58.87	0.118	14.70	13.16	0.117	68.13	66.69	0.345	65.51	63.09	0.149
Mississippi	40.39	41.05	0.610	12.70	12.39	0.720	52.99	52.93	0.971	41.96	42.80	0.611
Missouri	50.15	50.71	0.663	13.92	15.16	0.212	61.01	60.50	0.763	52.95	53.50	0.741
Montana	59.07	58.05	0.447	21.39 ^a	19.15	0.047	69.07 ^b	65.92	0.053	61.95	61.19	0.650

(continued)

Table C.9 Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	53.59	51.86	0.191	13.81	13.66	0.878	64.98	63.37	0.365	56.67	54.55	0.212
Nevada	54.47	54.57	0.942	15.29	14.47	0.449	60.32	58.45	0.302	58.63	59.05	0.815
New Hampshire	63.98	63.77	0.870	17.83	17.64	0.882	74.97	74.09	0.572	67.91	67.52	0.800
New Jersey	54.18	55.69	0.294	15.17	15.27	0.922	64.96	64.60	0.833	57.37	59.27	0.290
New Mexico	47.59	45.75	0.152	15.62	14.49	0.266	57.11	56.25	0.606	50.05	47.87	0.188
New York	55.72	55.58	0.871	16.83	16.75	0.908	66.32	66.60	0.814	58.57	58.28	0.783
North Carolina	47.45	48.98	0.218	12.83	12.26	0.541	58.35	59.20	0.620	49.98	51.76	0.260
North Dakota	57.80	59.91	0.105	18.98 ^a	16.58	0.024	71.80	70.28	0.317	59.46 ^b	62.64	0.065
Ohio	51.67	52.73	0.200	14.99 ^a	13.78	0.039	65.37	65.40	0.980	54.08	55.51	0.167
Oklahoma	45.62	47.16	0.260	13.86	14.72	0.431	59.12	60.82	0.359	47.31	48.82	0.384
Oregon	59.77	61.02	0.333	17.75	17.31	0.667	66.69	67.14	0.785	63.58	65.03	0.371
Pennsylvania	55.06	55.23	0.849	16.73	15.78	0.157	66.31	66.28	0.979	57.81	58.01	0.859
Rhode Island	59.91	61.05	0.390	18.29 ^b	16.00	0.056	71.17	70.13	0.536	62.78	64.59	0.279
South Carolina	45.89	46.00	0.933	12.45	12.21	0.781	53.32	55.21	0.295	48.82	48.57	0.879
South Dakota	57.81	57.83	0.986	15.85	15.52	0.768	70.66	69.92	0.659	60.93	60.90	0.987
Tennessee	41.06	40.39	0.607	11.39	11.28	0.905	53.40	51.37	0.260	42.77	42.14	0.695
Texas	48.42	49.15	0.396	14.09	13.35	0.257	58.49	59.23	0.528	51.52	52.38	0.422
Utah	28.11	26.42	0.227	6.73	7.58	0.405	32.09	32.45	0.852	30.72	28.08	0.162
Vermont	60.28	61.68	0.326	18.40	17.44	0.400	73.56	72.67	0.571	62.87	64.59	0.339
Virginia	50.79	52.00	0.362	13.10	13.51	0.648	60.21 ^a	64.47	0.011	53.83	54.46	0.708
Washington	56.13	56.89	0.548	14.03	13.61	0.660	60.77	61.60	0.636	60.54	61.28	0.635
West Virginia	38.17	40.26	0.133	13.23	14.46	0.233	53.45	53.94	0.788	38.66	40.94	0.181
Wisconsin	61.78 ^b	64.11	0.064	18.62 ^b	16.78	0.089	71.81	70.45	0.401	65.42 ^a	68.75	0.034
Wyoming	54.21	52.91	0.346	17.06	16.70	0.736	62.33 ^b	59.33	0.083	57.41	56.13	0.461

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.10 Binge Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	23.53	23.39	0.491	8.88 ^a	8.38	0.004	41.52	41.15	0.297	22.31	22.19	0.636
Northeast	24.82	24.83	0.970	10.08 ^b	9.40	0.051	45.49	45.23	0.671	23.11	23.22	0.829
Midwest	25.89	25.54	0.250	9.44 ^a	8.71	0.005	46.00 ^a	44.88	0.021	24.55	24.29	0.512
South	22.12 ^b	21.58	0.063	8.01 ^a	7.54	0.037	37.95	37.65	0.535	21.25 ^b	20.59	0.073
West	22.51	23.08	0.123	8.83	8.61	0.534	39.74	39.95	0.738	21.22	21.91	0.143
Alabama	20.48	20.82	0.704	7.43	6.88	0.410	35.46 ^b	32.78	0.071	19.60	20.52	0.420
Alaska	24.28	24.69	0.649	9.73	9.08	0.484	40.20	40.80	0.729	23.44	23.73	0.802
Arizona	23.16	23.62	0.651	8.77	8.72	0.955	41.26	38.71	0.131	22.00	23.01	0.427
Arkansas	20.51 ^b	18.94	0.064	9.08	7.83	0.115	38.29 ^a	34.33	0.011	19.07	17.81	0.233
California	22.17	22.83	0.252	8.57	8.57	0.991	39.02	39.89	0.371	20.83	21.54	0.349
Colorado	26.30	26.21	0.925	10.89	9.64	0.123	47.39	46.39	0.535	24.66	24.72	0.959
Connecticut	27.05	26.35	0.507	13.31 ^b	11.19	0.051	46.92	48.82	0.266	25.62	24.56	0.420
Delaware	26.18 ^b	24.30	0.069	9.55	9.24	0.781	48.18 ^b	45.48	0.085	24.55	22.59	0.129
District of Columbia	29.67	29.52	0.890	7.35	6.92	0.677	46.47	46.74	0.875	27.97	27.72	0.855
Florida	21.93 ^a	20.68	0.031	8.18	7.64	0.280	37.40 ^b	35.63	0.063	21.16 ^b	19.85	0.069
Georgia	21.42	20.14	0.148	7.00	7.25	0.702	36.41	37.10	0.663	20.85 ^b	18.94	0.084
Hawaii	22.84	23.72	0.415	7.06	8.29	0.151	39.02	40.81	0.307	22.05	22.70	0.621
Idaho	20.10 ^a	21.89	0.043	8.55	8.08	0.530	35.72	37.30	0.289	19.00 ^b	21.03	0.073
Illinois	26.39	26.01	0.534	9.70 ^b	8.73	0.068	46.34	46.63	0.768	24.98	24.54	0.569
Indiana	22.96	22.55	0.653	9.32 ^a	7.87	0.039	40.93	40.75	0.907	21.72	21.31	0.717
Iowa	28.65	27.47	0.243	11.15	10.65	0.585	50.33	48.97	0.405	27.00	25.64	0.278
Kansas	25.12	25.79	0.489	9.48	9.34	0.874	45.58	42.85	0.101	23.39	24.68	0.287
Kentucky	20.29	21.61	0.156	8.09	8.19	0.898	37.80	39.04	0.418	19.02	20.43	0.228
Louisiana	23.63	23.01	0.500	8.09	7.39	0.301	38.44	38.18	0.864	22.90	22.20	0.543
Maine	22.12	22.99	0.368	7.86	8.34	0.533	45.31	46.14	0.625	20.46	21.27	0.486
Maryland	21.67 ^b	20.17	0.092	8.53	7.74	0.298	38.41	36.12	0.168	20.51	19.01	0.179
Massachusetts	25.00	25.57	0.552	10.32	9.40	0.272	46.97	48.63	0.320	22.81	23.33	0.660
Michigan	25.35 ^b	26.41	0.081	8.48	7.99	0.281	43.14	43.17	0.975	24.55 ^b	25.90	0.076
Minnesota	26.89	25.85	0.313	8.16	7.92	0.751	47.24	45.56	0.324	25.77	24.65	0.380
Mississippi	20.30	20.14	0.855	7.23	6.78	0.512	33.51	33.02	0.729	19.70	19.58	0.915
Missouri	24.18	23.95	0.812	8.85	9.55	0.398	42.54 ^b	39.61	0.058	23.10	23.11	0.992
Montana	26.92	28.02	0.286	13.70	12.67	0.296	50.63	50.04	0.738	24.56	25.97	0.275

(continued)

Table C.10 Binge Alcohol Use in the Past Month, by Age Group and State Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	25.80	24.76	0.300	8.63	8.77	0.864	46.71	46.14	0.727	24.10	22.69	0.260
Nevada	26.23	26.64	0.712	9.29	8.33	0.309	43.36	41.92	0.399	25.87	26.61	0.584
New Hampshire	25.36	24.01	0.202	11.18	10.27	0.366	51.34 ^b	48.29	0.064	23.12	21.78	0.302
New Jersey	24.37	25.38	0.337	9.24	8.80	0.588	44.26	45.84	0.332	23.19	24.25	0.410
New Mexico	22.85	22.33	0.563	10.27	9.23	0.230	38.24	37.43	0.608	21.67	21.26	0.713
New York	24.07	24.01	0.921	10.07	9.60	0.409	43.68	42.22	0.116	22.26	22.51	0.761
North Carolina	20.81	20.66	0.865	7.42	6.89	0.441	36.97	37.27	0.850	19.86	19.58	0.794
North Dakota	29.83	29.80	0.976	12.55 ^a	10.36	0.033	53.56	51.26	0.138	26.65	27.11	0.726
Ohio	25.31 ^a	23.60	0.006	9.73 ^a	8.29	0.005	47.00 ^a	44.78	0.011	23.73 ^a	22.05	0.030
Oklahoma	22.25	21.65	0.509	9.50	8.80	0.399	38.91	39.13	0.896	20.88	20.08	0.479
Oregon	24.02 ^b	22.40	0.090	9.99 ^a	8.54	0.045	46.17 ^a	42.62	0.023	22.23	20.74	0.212
Pennsylvania	25.53	24.99	0.413	9.72	9.04	0.240	46.94	46.13	0.433	23.91	23.37	0.506
Rhode Island	27.17	26.41	0.480	9.53	8.98	0.533	48.24	45.81	0.163	25.32	24.77	0.686
South Carolina	21.78	22.20	0.641	6.41	6.12	0.655	35.82	36.06	0.875	21.38	21.85	0.677
South Dakota	29.60 ^b	27.68	0.059	9.58	9.45	0.897	52.19	49.52	0.119	28.12 ^b	25.96	0.095
Tennessee	18.75	17.57	0.224	7.19	6.67	0.469	33.46	31.85	0.269	17.90	16.63	0.288
Texas	24.23	23.98	0.670	8.49	7.79	0.141	38.98	39.55	0.539	23.74	23.34	0.603
Utah	14.04	13.23	0.338	5.53	5.66	0.879	23.75	23.58	0.913	13.05	11.95	0.328
Vermont	26.08	26.42	0.746	10.88	9.97	0.333	51.99	51.28	0.665	23.58	23.92	0.792
Virginia	23.63	23.68	0.951	8.55	8.36	0.809	43.16	45.42	0.159	22.16	21.74	0.719
Washington	21.38 ^a	23.89	0.007	8.59	8.74	0.839	40.43	42.69	0.144	19.89 ^a	22.62	0.017
West Virginia	20.05	20.40	0.701	8.18	8.51	0.715	38.78	38.41	0.820	18.62	18.95	0.771
Wisconsin	29.04	29.89	0.434	10.95	10.06	0.283	51.77	50.05	0.303	27.44	28.78	0.326
Wyoming	23.36	22.90	0.623	11.49	10.85	0.629	41.82	40.75	0.505	21.57	21.09	0.680

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Binge Alcohol Use is defined as drinking five or more drinks on the same occasion (i.e., at the same time or within a couple of hours of each other) on at least 1 day in the past 30 days.

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.11 Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	41.75 ^a	42.59	0.002	39.82	40.02	0.519	33.08	33.44	0.266	43.50 ^a	44.50	0.003
Northeast	39.40 ^a	40.52	0.017	37.88	38.66	0.167	30.11	30.82	0.194	41.15 ^a	42.37	0.041
Midwest	38.73	38.97	0.526	37.78	38.07	0.503	28.92	29.51	0.153	40.55	40.73	0.695
South	44.06 ^a	44.97	0.011	41.74	41.81	0.881	36.12	36.36	0.566	45.70 ^a	46.84	0.012
West	42.86 ^a	43.88	0.043	40.19	40.06	0.842	34.62	34.60	0.973	44.71 ^a	46.07	0.035
Alabama	45.42	45.62	0.875	44.50	44.37	0.939	37.91	39.31	0.360	46.81	46.86	0.974
Alaska	41.39	42.44	0.408	42.48	42.30	0.918	29.67	31.10	0.397	43.44	44.69	0.445
Arizona	43.63	43.94	0.801	39.66	42.17	0.124	36.45	36.72	0.876	45.37	45.40	0.987
Arkansas	42.99 ^a	45.47	0.048	41.77	43.66	0.239	33.79	35.74	0.226	44.64 ^b	47.30	0.092
California	43.37 ^a	45.31	0.012	41.59	40.42	0.244	36.16	36.55	0.702	45.01 ^a	47.64	0.008
Colorado	40.64	39.04	0.231	37.31	35.96	0.389	29.89	28.76	0.449	42.83	41.18	0.327
Connecticut	40.83	42.38	0.225	40.24	40.28	0.983	32.29	30.82	0.354	42.25	44.52	0.161
Delaware	40.54	40.74	0.876	40.11	38.96	0.502	31.90	32.31	0.820	42.03	42.34	0.849
District of Columbia	40.62	41.44	0.513	45.98	45.67	0.859	33.15	32.85	0.872	41.81	42.96	0.467
Florida	44.76 ^a	47.25	0.002	41.28	42.50	0.205	37.66	37.87	0.830	46.19 ^a	49.17	0.002
Georgia	45.64	45.88	0.847	46.07	43.59	0.139	35.97	36.09	0.934	47.23	47.90	0.677
Hawaii	39.73	41.12	0.340	42.44	43.75	0.453	32.35 ^b	35.40	0.074	40.60	41.74	0.533
Idaho	40.42	38.65	0.145	37.35	37.07	0.853	32.13	30.82	0.356	42.31	40.31	0.206
Illinois	39.94 ^b	41.47	0.054	38.81	40.28	0.135	30.38	31.39	0.232	41.82	43.44	0.111
Indiana	39.79	39.33	0.720	38.35	39.17	0.586	29.33	30.12	0.598	41.74	40.95	0.623
Iowa	35.44	36.96	0.202	37.40	36.87	0.746	24.61 ^b	27.18	0.055	37.10	38.74	0.279
Kansas	37.98	38.62	0.591	34.20	35.98	0.262	26.16	28.45	0.136	40.69	40.91	0.884
Kentucky	42.45	41.65	0.536	41.60	40.94	0.684	32.98	34.34	0.402	44.03	42.90	0.480
Louisiana	45.60	45.47	0.917	44.21	44.21	0.996	40.49	39.60	0.545	46.77	46.76	0.993
Maine	37.40	37.65	0.841	36.00 ^b	33.39	0.086	26.14	27.29	0.413	39.11	39.57	0.765
Maryland	43.21	43.75	0.692	42.88	42.35	0.751	38.27	35.95	0.169	44.09	45.24	0.504
Massachusetts	35.38 ^b	37.59	0.084	34.48	35.61	0.484	26.46	27.72	0.368	37.07	39.57	0.120
Michigan	39.24	39.47	0.759	38.71	38.91	0.831	31.75	32.96	0.160	40.58	40.66	0.936
Minnesota	36.76	37.02	0.840	37.68	36.31	0.379	27.25	26.36	0.532	38.27	38.93	0.681
Mississippi	48.19	48.25	0.962	46.04	47.55	0.344	41.97	41.49	0.763	49.64	49.62	0.989
Missouri	41.30	39.57	0.141	39.88	38.27	0.289	30.79	31.50	0.631	43.20	41.10	0.157
Montana	39.06 ^a	36.58	0.038	33.80	33.14	0.657	29.71 ^a	26.61	0.032	41.26 ^b	38.72	0.094

(continued)

Table C.11 Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	35.20 ^b	37.35	0.085	35.16	36.94	0.255	24.90	25.59	0.620	37.16	39.68	0.116
Nevada	45.08 ^b	42.67	0.068	41.14	39.68	0.379	35.92	33.55	0.171	46.94	44.45	0.130
New Hampshire	35.71 ^a	38.21	0.042	33.40	34.64	0.448	23.08	24.71	0.219	37.92 ^b	40.76	0.064
New Jersey	40.85	41.49	0.631	35.06	36.91	0.233	31.71	32.88	0.456	42.97	43.38	0.812
New Mexico	45.97	47.80	0.163	37.86	39.69	0.265	36.81	36.55	0.877	48.72	50.91	0.187
New York	41.99	42.20	0.794	41.41	41.41	0.997	31.95	32.55	0.525	43.87	44.00	0.898
North Carolina	43.80	43.95	0.903	39.13	38.07	0.491	35.55	34.33	0.447	45.70	46.27	0.723
North Dakota	34.99	35.78	0.502	34.27	34.79	0.714	25.09	24.64	0.758	37.31	38.50	0.429
Ohio	39.27	39.51	0.763	37.29	38.15	0.327	27.96	27.88	0.920	41.38	41.57	0.844
Oklahoma	42.90	42.00	0.494	39.20	39.07	0.940	34.06	33.82	0.882	44.99	43.88	0.516
Oregon	38.76	39.94	0.337	34.80	37.14	0.117	27.09	28.12	0.445	41.03	42.15	0.467
Pennsylvania	36.95 ^a	39.26	0.003	36.17 ^a	38.13	0.041	28.84	29.89	0.229	38.37 ^a	40.94	0.010
Rhode Island	38.31	37.76	0.668	39.12 ^b	36.48	0.082	30.96	29.72	0.402	39.60	39.43	0.919
South Carolina	45.76	46.79	0.431	41.33	42.43	0.493	39.03	39.53	0.745	47.40	48.51	0.503
South Dakota	34.49	33.62	0.501	32.71	31.31	0.377	24.70	25.04	0.812	36.49	35.48	0.548
Tennessee	42.59 ^b	45.00	0.060	40.99	41.51	0.739	33.55	34.52	0.546	44.17 ^b	47.06	0.069
Texas	43.78	44.59	0.275	40.72	41.22	0.611	35.81	36.77	0.290	45.73	46.57	0.391
Utah	49.79	50.82	0.435	45.50 ^b	48.74	0.092	39.00	38.09	0.626	53.23	54.33	0.541
Vermont	36.29	36.60	0.810	33.75	32.15	0.303	22.51	22.93	0.782	38.82	39.43	0.707
Virginia	41.86	42.61	0.543	40.33	40.23	0.949	32.27	32.45	0.910	43.67	44.67	0.531
Washington	40.94	41.84	0.484	36.26	37.23	0.534	30.17	29.55	0.679	43.25	44.40	0.479
West Virginia	43.55	44.09	0.677	38.84	38.93	0.956	32.12	34.02	0.260	45.69	46.15	0.780
Wisconsin	36.21	35.03	0.371	35.77	34.60	0.460	27.88	27.12	0.574	37.67	36.46	0.472
Wyoming	39.80	39.10	0.587	38.88	39.63	0.612	29.11	29.18	0.972	41.81	40.86	0.562

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.12 Alcohol Use and Binge Alcohol Use in the Past Month among Persons Aged 12 to 20, by State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	Alcohol Use in Past Month (2008-2009)	Alcohol Use in Past Month (2009-2010)	Alcohol Use in Past Month (P Value)	Binge Alcohol Use in Past Month (2008-2009)	Binge Alcohol Use in Past Month (2009-2010)	Binge Alcohol Use in Past Month (P Value)
Total U.S.	26.83	26.67	0.570	17.85	17.54	0.202
Northeast	30.69	30.58	0.773	20.36	19.92	0.265
Midwest	27.60	27.16	0.149	19.31 ^b	18.78	0.082
South	25.18	25.17	0.980	16.18	15.90	0.313
West	25.76	25.62	0.758	17.20	17.15	0.912
Alabama	23.65	22.30	0.167	14.61	13.62	0.162
Alaska	25.51	25.86	0.775	18.70	18.54	0.866
Arizona	24.59	23.50	0.313	16.07	16.36	0.749
Arkansas	23.06	22.27	0.412	14.65 ^b	13.27	0.088
California	25.24	25.40	0.820	16.79	16.93	0.805
Colorado	32.89 ^a	29.89	0.012	20.42 ^a	18.30	0.013
Connecticut	31.02	31.94	0.442	23.61	22.26	0.253
Delaware	32.60	31.67	0.444	22.39	21.77	0.575
District of Columbia	31.66 ^b	29.22	0.100	17.91	16.72	0.357
Florida	26.62 ^b	25.55	0.087	16.59 ^a	15.32	0.022
Georgia	24.21	23.33	0.389	14.87	14.62	0.752
Hawaii	23.87	25.48	0.160	16.53	17.57	0.263
Idaho	23.93 ^b	25.79	0.077	15.95	16.85	0.290
Illinois	28.38	28.76	0.553	19.64	19.60	0.941
Indiana	23.50	23.51	0.996	16.97	16.44	0.518
Iowa	29.93	29.46	0.656	21.29	20.99	0.750
Kansas	28.91	29.01	0.928	19.22	19.67	0.615
Kentucky	23.65	24.07	0.689	16.53	17.07	0.515
Louisiana	29.69 ^a	27.19	0.021	17.74 ^b	16.20	0.064
Maine	26.61	25.09	0.172	17.12	17.52	0.677
Maryland	26.66	25.14	0.148	17.25 ^b	15.61	0.069
Massachusetts	32.97	31.35	0.137	22.39	21.06	0.142
Michigan	26.72 ^a	24.93	0.004	17.86 ^a	16.80	0.047
Minnesota	27.61	27.28	0.758	19.58	19.89	0.734
Mississippi	24.28	24.96	0.507	15.70	15.23	0.582
Missouri	24.24	25.12	0.416	16.84	16.39	0.605
Montana	34.33 ^b	32.13	0.064	24.27	22.95	0.245

(continued)

Table C.12 Alcohol Use and Binge Alcohol Use in the Past Month among Persons Aged 12 to 20, by State: Percentages, Annual Averages, and *P* Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	Alcohol Use in Past Month (2008-2009)	Alcohol Use in Past Month (2009-2010)	Alcohol Use in Past Month (<i>P</i> Value)	Binge Alcohol Use in Past Month (2008-2009)	Binge Alcohol Use in Past Month (2009-2010)	Binge Alcohol Use in Past Month (<i>P</i> Value)
Nebraska	26.45	26.58	0.911	18.35	19.22	0.345
Nevada	24.63	25.34	0.531	17.12	17.72	0.569
New Hampshire	34.84	32.93	0.110	24.50 ^a	21.77	0.011
New Jersey	27.22	28.41	0.253	18.37	19.36	0.273
New Mexico	25.80	25.18	0.597	17.39	16.49	0.281
New York	32.01	31.64	0.592	20.06	19.21	0.177
North Carolina	22.42 ^b	24.22	0.083	13.63	14.54	0.277
North Dakota	36.44 ^a	33.57	0.028	26.56 ^a	24.20	0.034
Ohio	28.41	27.41	0.104	20.53 ^a	19.20	0.013
Oklahoma	25.90	25.55	0.742	17.52 ^b	15.87	0.059
Oregon	31.36	30.14	0.261	20.14 ^a	17.75	0.005
Pennsylvania	29.02	29.47	0.501	19.74	19.88	0.813
Rhode Island	34.78	33.12	0.151	22.50	21.71	0.405
South Carolina	21.88	22.84	0.328	13.52	14.19	0.399
South Dakota	32.31	30.60	0.127	22.94 ^a	20.63	0.018
Tennessee	20.16 ^b	21.83	0.088	13.56	14.87	0.102
Texas	26.46	26.13	0.600	17.17	16.95	0.697
Utah	14.34 ^b	16.48	0.057	11.60	12.68	0.306
Vermont	36.53 ^b	34.62	0.096	24.69	24.10	0.573
Virginia	25.83 ^a	29.66	0.000	18.49	19.75	0.131
Washington	27.00	26.92	0.939	18.36	18.91	0.497
West Virginia	22.75 ^b	24.64	0.068	15.93	16.45	0.567
Wisconsin	30.83	30.09	0.497	21.63	21.05	0.534
Wyoming	30.54	30.21	0.802	21.62	21.26	0.756

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Binge Alcohol Use is defined as drinking five or more drinks on the same occasion (i.e., at the same time or within a couple hours of each other) on at least 1 day in the past 30 days.

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.13 Tobacco Product Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	28.06 ^b	27.60	0.054	11.64 ^a	11.25	0.047	41.53	41.27	0.446	27.85 ^b	27.28	0.058
Northeast	26.45	26.27	0.682	11.37	10.90	0.176	41.23	40.90	0.550	25.78	25.62	0.784
Midwest	30.55	30.10	0.249	13.24 ^a	12.56	0.028	46.33	45.79	0.243	30.06	29.58	0.347
South	29.54	29.04	0.182	11.53	11.29	0.371	41.69	41.64	0.907	29.79	29.12	0.170
West	24.67	24.00	0.162	10.55	10.22	0.379	37.12	36.86	0.668	24.31	23.48	0.187
Alabama	32.94	32.68	0.813	13.26	11.89	0.147	45.41	44.30	0.494	33.33	33.29	0.975
Alaska	29.41 ^a	31.93	0.042	13.46	13.27	0.863	44.60	45.63	0.588	28.91 ^b	31.89	0.068
Arizona	25.71	26.04	0.761	10.17	11.52	0.167	39.80	37.75	0.232	25.39	25.96	0.694
Arkansas	35.26	33.53	0.128	14.99	13.76	0.210	47.74	45.35	0.141	35.81	34.08	0.242
California	22.79	21.72	0.113	9.47	9.06	0.456	34.37	33.93	0.635	22.43	21.13	0.144
Colorado	27.37	26.91	0.672	13.30	12.37	0.365	43.67	42.57	0.533	26.37	25.94	0.767
Connecticut	25.34	25.07	0.795	11.01	10.81	0.820	41.49	41.34	0.930	24.58	24.18	0.766
Delaware	30.13	29.01	0.310	13.07	12.53	0.569	45.53 ^b	42.17	0.054	29.65	28.80	0.542
District of Columbia	27.62	27.50	0.915	9.48	9.08	0.623	34.96	35.49	0.751	27.66	27.37	0.843
Florida	26.78	26.24	0.446	10.61	10.43	0.742	38.36	37.56	0.440	26.85	26.24	0.495
Georgia	28.86 ^b	26.80	0.059	11.68	11.52	0.869	40.80	40.39	0.810	29.20 ^b	26.51	0.058
Hawaii	22.31	22.62	0.784	9.93	10.04	0.912	37.26	36.80	0.799	21.32	21.74	0.768
Idaho	26.80	27.73	0.391	10.75	11.85	0.248	39.73	41.70	0.231	26.82	27.43	0.665
Illinois	29.01	28.74	0.699	12.45 ^a	10.94	0.014	44.24	44.05	0.830	28.44	28.30	0.877
Indiana	31.88	30.63	0.254	13.97 ^b	12.22	0.065	46.31	47.39	0.521	31.80	30.12	0.237
Iowa	30.23	30.87	0.549	12.41	13.33	0.353	44.08	45.03	0.582	30.01	30.45	0.748
Kansas	30.69	30.66	0.972	13.11	13.48	0.733	47.46 ^b	44.15	0.073	29.91	30.33	0.766
Kentucky	38.08 ^a	35.51	0.043	16.82	15.04	0.112	52.70 ^a	48.42	0.016	38.37	35.88	0.122
Louisiana	30.67	30.09	0.586	10.72	10.86	0.871	41.06	41.88	0.606	31.40	30.41	0.490
Maine	29.82	28.92	0.426	12.13	12.46	0.732	47.65	47.07	0.744	29.28	28.10	0.403
Maryland	23.84	24.16	0.765	9.04	9.26	0.770	35.70	35.94	0.886	23.72	24.01	0.832
Massachusetts	25.06	24.27	0.423	10.50	10.39	0.899	41.42	42.39	0.568	23.85	22.65	0.333
Michigan	30.47	30.06	0.548	12.88 ^b	11.91	0.095	45.86	45.35	0.583	30.17	29.77	0.646
Minnesota	27.59	27.33	0.797	12.49	11.18	0.146	47.57	46.96	0.702	26.07	25.92	0.911
Mississippi	31.60 ^a	34.57	0.013	12.10	13.54	0.145	43.29 ^a	46.86	0.041	32.19 ^b	35.19	0.053
Missouri	32.65	34.45	0.130	14.57	15.85	0.262	47.19	47.58	0.824	32.55	34.55	0.183
Montana	31.17	32.12	0.396	15.59	16.34	0.489	49.20	47.95	0.452	30.03	31.19	0.417

(continued)

Table C.13 Tobacco Product Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	29.00	29.00	0.999	12.29	12.12	0.869	42.14	42.20	0.969	28.71	28.62	0.950
Nevada	28.44	27.41	0.406	11.98 ^b	9.93	0.056	40.40	39.62	0.652	28.78	27.74	0.512
New Hampshire	28.12	28.98	0.426	12.55	13.66	0.301	45.16	46.77	0.369	27.40	27.95	0.691
New Jersey	24.81	25.55	0.511	9.81	9.74	0.940	38.34 ^a	42.22	0.016	24.58	24.91	0.816
New Mexico	26.72	27.12	0.714	12.82	13.06	0.808	42.62	42.99	0.835	25.62	26.03	0.772
New York	24.57	24.21	0.601	10.73	9.98	0.203	39.13 ^a	36.42	0.005	23.64	23.75	0.892
North Carolina	31.32	30.27	0.345	12.01	11.09	0.274	43.70	43.42	0.875	31.72	30.42	0.366
North Dakota	30.37	28.77	0.142	13.46	13.10	0.743	46.39 ^a	42.36	0.014	28.87	27.47	0.331
Ohio	32.29	31.20	0.123	14.11	14.01	0.860	49.54 ^a	47.62	0.036	31.76	30.65	0.219
Oklahoma	34.82	36.51	0.162	13.78	14.35	0.610	48.56 ^b	51.53	0.095	35.07	36.60	0.325
Oregon	30.12	28.45	0.126	14.94 ^a	12.91	0.037	45.09	42.81	0.169	29.56	27.92	0.232
Pennsylvania	30.97	30.69	0.684	13.84	12.94	0.184	45.29	45.03	0.797	30.67	30.39	0.754
Rhode Island	26.34	26.81	0.665	10.30	10.85	0.556	41.51	41.87	0.840	25.41	25.83	0.765
South Carolina	31.30	30.47	0.458	11.78	11.62	0.860	44.29	44.51	0.897	31.59	30.42	0.414
South Dakota	31.32	31.42	0.932	14.94	13.59	0.220	49.54	47.66	0.263	30.16	30.67	0.722
Tennessee	33.55	34.61	0.365	12.46	13.28	0.377	46.98	48.90	0.246	34.05	34.90	0.564
Texas	27.05	26.34	0.280	10.01	9.91	0.844	38.36	38.35	0.992	27.41	26.43	0.262
Utah	18.44	16.82	0.122	6.72	7.28	0.571	24.94	25.10	0.925	18.80 ^b	16.40	0.082
Vermont	27.61	27.08	0.639	12.66	12.52	0.901	44.28	43.42	0.621	26.58	25.84	0.601
Virginia	27.48	27.47	0.991	11.74	10.90	0.301	41.54	42.64	0.489	27.03	26.82	0.884
Washington	26.86	26.91	0.958	11.87	11.24	0.505	41.46 ^b	44.31	0.097	26.35	25.94	0.745
West Virginia	38.41	40.22	0.184	16.88	17.35	0.692	54.20	51.73	0.163	38.44	40.89	0.147
Wisconsin	30.21 ^a	28.03	0.047	12.88	11.85	0.248	45.41	45.09	0.847	29.79 ^a	27.02	0.049
Wyoming	34.32	33.67	0.613	18.41	17.44	0.449	49.70	49.52	0.912	33.58	32.73	0.608

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Tobacco Products include cigarettes, smokeless tobacco (i.e., chewing tobacco or snuff), cigars, or pipe tobacco.

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.14 Cigarette Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	23.63 ^a	23.16	0.032	9.09 ^a	8.69	0.024	35.80 ^a	35.09	0.033	23.40 ^b	22.91	0.072
Northeast	22.40	22.22	0.656	8.82	8.54	0.351	35.95	35.34	0.296	21.75	21.62	0.808
Midwest	25.66	25.11	0.132	10.45 ^a	9.87	0.022	39.92 ^a	38.84	0.023	25.16	24.65	0.290
South	24.80	24.26	0.133	9.12 ^b	8.70	0.078	35.96	35.25	0.142	24.92	24.34	0.220
West	20.86	20.31	0.223	7.97	7.72	0.420	31.69	31.24	0.480	20.62	19.98	0.276
Alabama	26.82	27.07	0.814	10.40 ^b	9.01	0.084	38.16	37.14	0.541	26.98	27.60	0.663
Alaska	24.21 ^b	26.21	0.086	9.37	8.20	0.149	38.26	38.94	0.703	23.78	26.26	0.107
Arizona	21.97	22.39	0.690	8.70	9.92	0.154	33.07	31.53	0.342	21.85	22.47	0.655
Arkansas	30.28 ^b	28.16	0.082	12.05 ^b	10.30	0.051	42.83 ^a	39.29	0.033	30.56	28.58	0.209
California	19.28	18.54	0.242	7.05	6.83	0.612	29.58	28.85	0.425	19.02	18.18	0.315
Colorado	22.33	21.15	0.231	9.69	8.77	0.261	36.42	34.01	0.146	21.52	20.41	0.385
Connecticut	21.47	21.31	0.871	8.67	8.76	0.904	36.51	35.47	0.502	20.69	20.54	0.910
Delaware	25.41	23.63	0.101	9.74	9.31	0.564	39.95 ^a	35.59	0.008	24.90	23.35	0.272
District of Columbia	23.85	23.41	0.727	6.30	6.53	0.728	30.11	29.33	0.628	24.08	23.61	0.774
Florida	22.66	22.34	0.639	8.30	7.95	0.429	32.61	31.73	0.337	22.76	22.48	0.744
Georgia	24.48 ^b	22.43	0.061	8.95	9.25	0.708	35.71	34.10	0.290	24.72 ^b	22.19	0.080
Hawaii	20.24	19.75	0.648	7.60	7.16	0.577	34.07	32.61	0.381	19.46	19.08	0.779
Idaho	23.14	23.67	0.601	9.05	8.85	0.787	35.00	36.38	0.389	23.07	23.45	0.774
Illinois	24.93	24.38	0.405	10.01 ^a	8.67	0.013	38.97	38.10	0.351	24.37	23.95	0.632
Indiana	26.78	25.85	0.397	10.84 ^b	9.41	0.077	40.95	40.22	0.671	26.49	25.50	0.486
Iowa	24.90	25.45	0.599	10.17	10.83	0.450	37.13	37.59	0.776	24.58	25.04	0.732
Kansas	25.04	23.94	0.278	10.80	10.64	0.856	39.71 ^a	35.89	0.025	24.19	23.40	0.553
Kentucky	31.94 ^b	29.93	0.099	12.44	11.01	0.139	44.22 ^a	40.50	0.030	32.38	30.50	0.227
Louisiana	26.54	25.90	0.545	8.41	8.69	0.721	36.03	36.76	0.623	27.20	26.13	0.452
Maine	25.64	24.73	0.414	9.72	9.47	0.768	42.51	40.62	0.261	25.03	24.09	0.498
Maryland	19.82	19.72	0.923	7.61	7.43	0.787	31.15	30.21	0.562	19.45	19.47	0.992
Massachusetts	20.99	20.64	0.697	7.63	7.88	0.724	34.67	36.23	0.344	20.13	19.33	0.498
Michigan	26.12	25.91	0.752	10.34 ^b	9.49	0.087	39.79	39.17	0.518	25.87	25.74	0.884
Minnesota	23.49	23.21	0.772	9.72	8.89	0.266	41.01	40.41	0.715	22.22	22.00	0.856
Mississippi	26.35	27.48	0.290	9.66	10.22	0.481	36.57	38.98	0.134	26.82	27.73	0.518
Missouri	26.31	27.42	0.291	10.98	11.61	0.507	39.48	39.61	0.935	26.09	27.34	0.358
Montana	24.75	24.95	0.842	11.24	12.16	0.277	39.49	37.05	0.135	23.91	24.32	0.753

(continued)

Table C.14 Cigarette Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	24.27	24.07	0.844	9.36	9.13	0.775	36.05	37.42	0.412	24.00	23.42	0.658
Nevada	24.45	23.69	0.525	9.44 ^a	7.39	0.007	33.92	33.17	0.646	24.97	24.30	0.657
New Hampshire	23.36	24.23	0.382	10.23	10.66	0.628	39.18	41.42	0.179	22.53	23.09	0.665
New Jersey	20.88	21.19	0.771	7.59	7.66	0.915	35.13	37.35	0.181	20.33	20.36	0.987
New Mexico	22.74	22.57	0.861	10.06	10.17	0.890	36.12	36.14	0.992	21.95	21.69	0.840
New York	21.30	21.18	0.851	8.21	7.79	0.381	34.38 ^a	31.70	0.005	20.55	20.91	0.669
North Carolina	26.45	26.03	0.691	9.16	8.22	0.235	37.96	38.30	0.840	26.73	26.15	0.672
North Dakota	24.70 ^b	22.74	0.052	10.42	10.27	0.864	36.38 ^b	33.53	0.079	23.86	21.73	0.112
Ohio	26.71	25.79	0.189	10.93	11.22	0.588	41.85 ^a	39.74	0.023	26.23	25.32	0.315
Oklahoma	28.24	28.98	0.529	11.31	10.80	0.571	41.18	43.60	0.182	28.10	28.62	0.732
Oregon	25.01	23.94	0.303	10.32	9.53	0.331	37.51	37.77	0.871	24.78	23.36	0.290
Pennsylvania	25.69	25.05	0.368	11.13	10.28	0.133	38.72	38.18	0.590	25.30	24.60	0.457
Rhode Island	22.58	23.22	0.538	7.93	8.46	0.495	35.37	35.82	0.786	21.93	22.56	0.646
South Carolina	26.94	26.50	0.676	9.52	9.02	0.532	37.73	37.92	0.909	27.33	26.72	0.655
South Dakota	25.04	25.14	0.923	11.43	10.29	0.178	39.83	38.80	0.541	24.14	24.50	0.796
Tennessee	28.20	27.81	0.729	9.69	9.25	0.576	39.48	39.70	0.898	28.71	28.15	0.694
Texas	22.51	22.02	0.446	8.17	8.00	0.708	33.64	32.62	0.268	22.51	22.03	0.573
Utah	16.42	15.83	0.527	5.39	5.86	0.536	22.29	23.51	0.450	16.83	15.63	0.342
Vermont	22.31	22.37	0.959	8.73	9.34	0.479	38.02	37.89	0.942	21.29	21.10	0.882
Virginia	23.23	22.76	0.655	9.56	8.60	0.197	35.65	35.11	0.733	22.79	22.32	0.721
Washington	22.91	22.66	0.802	8.89	7.95	0.201	35.68	37.56	0.252	22.56	21.97	0.645
West Virginia	30.76	32.00	0.350	13.14	11.85	0.201	47.13 ^b	43.86	0.061	30.30	32.34	0.217
Wisconsin	25.74 ^a	23.51	0.028	10.57	9.43	0.162	40.34	37.95	0.146	25.15 ^b	22.70	0.062
Wyoming	26.58	25.72	0.429	12.60	13.47	0.387	39.19	39.62	0.798	26.09	24.66	0.320

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.15 Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	72.23 ^a	71.21	0.000	67.53 ^a	65.41	0.000	66.79 ^a	65.15	0.000	73.77 ^a	72.99	0.006
Northeast	74.20	73.50	0.114	69.97 ^a	68.09	0.000	69.19 ^a	67.01	0.000	75.55	75.23	0.554
Midwest	68.83 ^a	67.42	0.001	66.50 ^a	64.34	0.000	63.18 ^a	61.07	0.000	70.11 ^a	68.91	0.020
South	71.95 ^a	70.96	0.007	66.07 ^a	64.12	0.000	66.21 ^a	64.72	0.003	73.68 ^b	72.89	0.080
West	74.32 ^a	73.36	0.045	68.91 ^a	66.44	0.000	69.11	68.12	0.127	75.99	75.22	0.191
Alabama	68.17	67.33	0.522	61.94	60.26	0.283	62.06	60.46	0.318	69.99	69.40	0.715
Alaska	70.76 ^a	67.21	0.007	69.17 ^b	66.75	0.099	63.91	62.65	0.446	72.29 ^a	68.17	0.015
Arizona	72.49	71.76	0.554	66.39	65.07	0.377	65.76	66.03	0.855	74.44	73.59	0.580
Arkansas	68.18	70.18	0.105	64.64	63.20	0.358	62.49	60.97	0.325	69.55 ^a	72.58	0.050
California	75.81	75.39	0.544	69.43 ^a	66.60	0.003	71.50	71.14	0.699	77.53	77.39	0.875
Colorado	73.80	72.37	0.199	68.42	66.71	0.253	66.96	66.40	0.724	75.60	74.07	0.267
Connecticut	74.30	73.11	0.301	70.44	68.65	0.198	69.13 ^b	66.24	0.054	75.60	74.77	0.568
Delaware	74.35	73.29	0.367	70.25 ^a	66.85	0.017	69.30 ^a	66.11	0.030	75.70	75.24	0.758
District of Columbia	77.59 ^a	75.29	0.035	67.92 ^b	65.22	0.064	72.15 ^b	69.73	0.090	79.72 ^b	77.42	0.095
Florida	75.34	74.85	0.482	68.43 ^a	66.55	0.036	69.66	68.97	0.470	76.93	76.63	0.714
Georgia	72.78	71.37	0.236	67.93 ^a	64.22	0.013	68.19	66.68	0.318	74.23	73.17	0.481
Hawaii	73.88	72.05	0.166	70.29 ^a	67.01	0.040	68.55	66.61	0.234	75.14	73.46	0.307
Idaho	69.73 ^a	65.77	0.001	67.64 ^a	64.43	0.023	64.40 ^a	60.34	0.011	70.97 ^a	66.95	0.008
Illinois	70.62 ^a	69.14	0.049	66.95 ^a	65.15	0.046	65.49 ^a	62.26	0.000	72.03	70.90	0.234
Indiana	67.54	66.16	0.274	65.94	64.61	0.344	62.29 ^a	59.06	0.049	68.64	67.59	0.505
Iowa	65.39	65.32	0.956	64.08	61.65	0.103	58.22	58.43	0.901	66.82	67.01	0.909
Kansas	68.14 ^a	64.89	0.012	62.25 ^a	58.79	0.036	63.01	61.61	0.382	69.89 ^a	66.31	0.030
Kentucky	62.10	62.29	0.893	64.01	63.41	0.696	53.72	55.85	0.219	63.18	63.18	0.999
Louisiana	72.45	71.96	0.665	66.63	65.08	0.291	67.14	65.06	0.167	74.27	74.20	0.961
Maine	70.40	68.71	0.172	68.55	67.35	0.392	62.82	60.95	0.246	71.65	69.95	0.257
Maryland	75.14	74.90	0.834	68.10	65.98	0.176	69.49	69.66	0.914	77.00	76.89	0.940
Massachusetts	73.02 ^a	75.91	0.010	70.47	70.34	0.932	68.84	68.40	0.771	74.07 ^a	77.89	0.007
Michigan	68.92	68.24	0.355	64.94	64.08	0.308	63.41	62.54	0.317	70.37	69.75	0.500
Minnesota	69.12	68.10	0.423	68.04	67.41	0.659	62.56	60.77	0.276	70.37	69.44	0.555
Mississippi	69.89	69.22	0.577	62.92	60.99	0.186	63.79	63.50	0.849	71.99	71.42	0.714
Missouri	68.66 ^b	66.34	0.063	67.26 ^a	61.97	0.001	61.95 ^b	58.80	0.051	69.95	68.16	0.259
Montana	69.10	67.99	0.386	65.93	64.27	0.256	62.23	60.50	0.298	70.63	69.73	0.570

(continued)

Table C.15 Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	68.84	67.08	0.156	65.58 ^a	62.38	0.029	61.22	60.22	0.537	70.71	69.02	0.288
Nevada	72.82 ^b	70.59	0.062	67.64	65.85	0.236	68.94	67.69	0.453	74.05 ^b	71.64	0.098
New Hampshire	71.91 ^b	69.68	0.065	65.23	64.70	0.709	65.74	64.34	0.370	73.66 ^b	71.11	0.086
New Jersey	74.62	73.89	0.524	70.76 ^a	67.23	0.008	69.88	68.95	0.548	75.83	75.46	0.796
New Mexico	75.07 ^a	72.63	0.019	66.03 ^b	63.49	0.064	68.48 ^a	64.48	0.012	77.48 ^b	75.30	0.100
New York	77.81 ^a	76.41	0.041	72.56	71.09	0.110	72.89 ^a	69.63	0.001	79.33	78.24	0.199
North Carolina	71.74 ^a	68.97	0.019	69.47 ^b	66.79	0.058	66.40 ^b	63.56	0.091	72.88 ^b	70.14	0.065
North Dakota	67.73	68.20	0.718	65.81	65.63	0.903	65.75	63.90	0.238	68.42	69.51	0.519
Ohio	69.43 ^a	66.37	0.000	67.58 ^a	64.16	0.000	63.10 ^a	60.54	0.005	70.70 ^a	67.60	0.001
Oklahoma	68.62 ^a	66.20	0.040	61.81 ^b	58.74	0.059	64.24 ^a	59.93	0.012	70.31	68.32	0.184
Oregon	71.68	70.35	0.285	67.01	65.20	0.208	63.03 ^b	60.47	0.079	73.56	72.51	0.506
Pennsylvania	69.68	68.78	0.255	65.72 ^a	63.44	0.015	63.82 ^b	61.85	0.060	71.12	70.55	0.558
Rhode Island	71.88	71.55	0.783	69.12 ^a	65.34	0.008	68.71	67.26	0.325	72.81	73.08	0.856
South Carolina	71.49	70.33	0.330	65.74 ^a	62.06	0.017	65.10	63.05	0.195	73.25	72.53	0.626
South Dakota	68.12	66.42	0.191	67.88 ^a	64.35	0.024	65.40 ^a	62.17	0.044	68.65	67.45	0.470
Tennessee	67.13	66.02	0.408	63.11	61.01	0.189	61.67 ^a	57.95	0.022	68.45	67.89	0.735
Texas	73.23	72.12	0.121	64.28	63.54	0.427	67.65 ^b	65.76	0.056	75.58	74.57	0.261
Utah	75.54	73.78	0.110	74.94 ^b	72.63	0.082	70.51	68.59	0.236	76.91	75.27	0.262
Vermont	74.88 ^a	70.96	0.001	69.15 ^a	65.59	0.010	67.27 ^b	64.50	0.094	76.78 ^a	72.66	0.004
Virginia	73.00	71.93	0.362	69.00 ^b	66.41	0.057	65.17	65.70	0.725	74.82	73.68	0.441
Washington	72.32	71.23	0.323	68.79 ^b	66.20	0.072	65.47	63.17	0.142	73.85	73.14	0.605
West Virginia	65.84	64.61	0.330	62.91	61.44	0.331	59.35	56.98	0.157	67.09	66.09	0.518
Wisconsin	67.21	68.62	0.257	68.09	67.47	0.671	63.02	62.45	0.714	67.80	69.84	0.202
Wyoming	69.98	68.92	0.374	68.90	66.90	0.170	62.70	60.67	0.209	71.41	70.68	0.621

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.16 Alcohol Dependence or Abuse in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	7.42	7.27	0.172	4.76	4.59	0.219	16.76 ^a	15.91	0.001	6.16	6.10	0.694
Northeast	7.42	7.25	0.346	4.73	4.61	0.545	17.81 ^b	16.96	0.073	5.99	5.92	0.757
Midwest	7.84 ^a	7.46	0.017	5.14 ^a	4.58	0.002	18.24 ^a	16.81	0.001	6.39	6.19	0.314
South	6.90	6.82	0.627	4.14	4.18	0.840	15.18	14.60	0.155	5.86	5.82	0.865
West	7.86	7.80	0.811	5.37	5.20	0.514	16.97	16.28	0.196	6.54	6.61	0.802
Alabama	6.40	6.82	0.338	4.12	4.30	0.710	13.75	13.69	0.956	5.45	5.96	0.351
Alaska	8.06	7.80	0.609	5.31	4.91	0.460	16.94	15.52	0.217	6.80	6.69	0.874
Arizona	7.73	7.74	0.984	5.40	4.88	0.391	18.24	17.00	0.329	6.26	6.55	0.664
Arkansas	6.75	6.58	0.697	4.90	4.54	0.466	15.57	14.23	0.209	5.54	5.57	0.955
California	7.87	8.02	0.661	5.27	5.39	0.774	16.36	15.93	0.575	6.61	6.88	0.515
Colorado	8.97	8.71	0.650	6.32	5.68	0.303	21.03	20.07	0.470	7.28	7.11	0.811
Connecticut	8.64	7.85	0.105	5.92 ^a	4.82	0.037	19.92	18.62	0.293	7.19	6.46	0.225
Delaware	7.88	7.27	0.193	4.86	4.76	0.844	18.98 ^a	16.65	0.029	6.40	6.02	0.517
District of Columbia	9.26	9.48	0.725	3.04	3.32	0.479	17.04	17.21	0.876	8.10	8.34	0.769
Florida	6.93	6.78	0.640	4.33	4.44	0.755	14.60	13.80	0.243	6.08	5.98	0.794
Georgia	6.68	6.31	0.380	3.38	3.65	0.559	15.02	14.13	0.376	5.72	5.31	0.443
Hawaii	7.58	7.71	0.826	5.83	5.49	0.632	16.34	17.14	0.531	6.38	6.46	0.912
Idaho	7.14	7.53	0.390	5.16	5.23	0.909	16.35	16.51	0.883	5.79	6.21	0.464
Illinois	7.58	7.21	0.230	4.32	4.11	0.512	17.59	16.91	0.367	6.19	5.86	0.398
Indiana	6.99	7.22	0.630	5.01	4.41	0.247	17.00	15.99	0.386	5.57	6.06	0.366
Iowa	8.64	8.25	0.433	6.67 ^b	5.44	0.056	19.79	19.82	0.979	6.92	6.51	0.508
Kansas	8.06	7.94	0.801	5.68	5.35	0.578	19.37	17.92	0.266	6.27	6.37	0.872
Kentucky	5.98	6.14	0.681	3.83	4.08	0.615	14.21	14.03	0.865	4.95	5.13	0.707
Louisiana	7.02	6.60	0.344	3.63	3.40	0.577	14.96	14.20	0.454	5.95	5.58	0.497
Maine	6.76	6.45	0.471	4.06	4.09	0.961	17.72	16.64	0.339	5.52	5.25	0.585
Maryland	7.05	6.41	0.165	3.70	3.30	0.329	15.17	13.82	0.203	6.10	5.54	0.317
Massachusetts	7.42 ^b	8.30	0.088	4.74	5.16	0.457	18.97	19.91	0.441	5.68	6.60	0.142
Michigan	7.63	7.69	0.840	4.90	4.49	0.234	16.79	15.76	0.140	6.43	6.72	0.474
Minnesota	9.20 ^a	7.81	0.013	5.77	4.86	0.130	21.08 ^a	17.57	0.006	7.60 ^b	6.49	0.098
Mississippi	6.29	6.49	0.636	3.68	3.75	0.859	13.24	13.54	0.748	5.38	5.56	0.746
Missouri	7.63 ^a	6.63	0.032	5.15	4.62	0.358	17.62 ^a	14.82	0.022	6.29	5.50	0.159
Montana	9.78	9.25	0.391	8.23 ^a	6.65	0.043	24.59	22.93	0.256	7.49	7.17	0.671

(continued)

Table C.16 Alcohol Dependence or Abuse in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	8.50 ^b	7.63	0.073	5.65 ^a	4.60	0.044	19.05	18.00	0.388	6.88	6.02	0.155
Nevada	7.61	8.44	0.158	5.40	5.38	0.973	16.76	18.13	0.275	6.53	7.34	0.266
New Hampshire	7.50	7.49	0.986	5.09	5.24	0.796	19.31	18.73	0.643	5.98	5.97	0.984
New Jersey	6.61	6.40	0.626	3.71	3.92	0.637	15.87	14.52	0.173	5.54	5.45	0.865
New Mexico	8.64 ^b	7.66	0.058	6.64 ^b	5.45	0.060	18.71 ^a	16.23	0.049	7.05	6.37	0.294
New York	7.88	7.35	0.105	5.31	4.97	0.367	18.10 ^a	16.60	0.047	6.36	5.99	0.371
North Carolina	6.27	6.27	0.998	3.40	3.62	0.630	14.65	13.80	0.409	5.28	5.34	0.901
North Dakota	8.38	8.37	0.982	5.29	4.55	0.168	20.61	19.76	0.469	6.03	6.18	0.778
Ohio	7.62	7.37	0.393	5.19	4.64	0.106	17.80	16.92	0.191	6.26	6.15	0.765
Oklahoma	7.55	7.69	0.754	4.96	4.76	0.695	16.78	16.32	0.698	6.21	6.48	0.632
Oregon	8.54	7.98	0.311	6.33 ^a	5.13	0.043	18.71 ^b	16.52	0.051	7.22	6.93	0.675
Pennsylvania	6.91	6.84	0.846	4.21	4.16	0.862	17.07	16.58	0.528	5.56	5.55	0.984
Rhode Island	8.26	8.75	0.382	4.86	4.59	0.604	18.03	18.09	0.956	6.84	7.48	0.347
South Carolina	7.90	8.05	0.776	3.98	3.88	0.838	16.24	14.50	0.115	7.03	7.49	0.471
South Dakota	9.68	9.14	0.393	6.74	6.44	0.678	23.35 ^a	20.26	0.035	7.59	7.44	0.844
Tennessee	6.18	6.39	0.647	3.28	3.70	0.322	14.18	14.00	0.859	5.30	5.51	0.711
Texas	6.98	6.91	0.837	4.63	4.58	0.885	14.76	14.74	0.983	5.85	5.76	0.806
Utah	6.07	5.71	0.404	3.31	4.00	0.218	12.42	11.53	0.376	4.96	4.58	0.479
Vermont	7.84	7.97	0.798	4.92	4.85	0.900	20.15	19.85	0.810	6.16	6.25	0.872
Virginia	8.04	8.12	0.877	5.07	5.02	0.926	19.44	18.83	0.601	6.47	6.63	0.803
Washington	7.08	6.40	0.123	4.74	4.29	0.370	16.26	15.16	0.334	5.88	5.22	0.219
West Virginia	6.54	6.06	0.257	4.45	4.25	0.673	15.43	14.16	0.247	5.48	5.02	0.371
Wisconsin	8.06	7.53	0.271	5.43 ^b	4.53	0.078	19.67 ^a	16.81	0.013	6.43	6.27	0.791
Wyoming	8.51	7.86	0.194	6.96 ^b	5.86	0.063	19.54	17.94	0.198	6.75	6.26	0.436

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Dependence or abuse is based on definitions found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.17 Alcohol Dependence in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	3.54	3.42	0.146	1.92	1.81	0.214	6.96 ^a	6.58	0.035	3.16	3.07	0.395
Northeast	3.53	3.37	0.253	1.96	1.84	0.324	7.51 ^b	6.99	0.054	3.05	2.95	0.554
Midwest	3.51	3.38	0.207	1.96 ^a	1.76	0.049	7.54 ^a	7.01	0.021	3.02	2.95	0.611
South	3.44 ^b	3.23	0.067	1.73	1.65	0.454	6.37 ^b	5.98	0.062	3.16	2.96	0.162
West	3.74	3.79	0.742	2.13	2.07	0.738	6.89	6.80	0.752	3.39	3.47	0.667
Alabama	3.17	3.21	0.883	1.75	1.57	0.378	6.31	5.82	0.357	2.81	2.97	0.684
Alaska	3.88	3.73	0.656	1.80	1.68	0.669	6.85	6.33	0.419	3.63	3.51	0.782
Arizona	3.50	3.83	0.348	2.03	1.95	0.791	7.40	7.42	0.977	3.04	3.46	0.327
Arkansas	3.25	3.17	0.767	1.75	1.91	0.550	6.67	6.27	0.483	2.88	2.81	0.847
California	3.83	3.99	0.503	2.17	2.15	0.941	6.54	6.58	0.931	3.55	3.75	0.503
Colorado	3.74	3.71	0.913	1.95	2.02	0.799	6.98	6.90	0.910	3.42	3.36	0.876
Connecticut	3.48	3.24	0.426	2.06	1.93	0.641	7.27	6.74	0.390	3.06	2.84	0.542
Delaware	3.47	3.20	0.375	1.72	1.92	0.484	6.67	6.69	0.964	3.15	2.78	0.329
District of Columbia	4.61	4.64	0.953	1.23	1.34	0.651	7.75	7.19	0.415	4.22	4.37	0.798
Florida	3.60	3.42	0.423	1.74	1.76	0.923	6.14	5.62	0.180	3.43	3.26	0.559
Georgia	3.55 ^a	2.89	0.043	1.47	1.40	0.753	6.19	5.32	0.119	3.39 ^b	2.67	0.092
Hawaii	3.22	3.50	0.440	2.03	2.07	0.907	7.02	7.44	0.583	2.74	3.03	0.528
Idaho	3.25	3.48	0.420	2.11	1.93	0.470	7.04	7.21	0.797	2.75	3.02	0.450
Illinois	3.66	3.34	0.128	1.67	1.57	0.556	7.94	7.57	0.424	3.14	2.80	0.202
Indiana	3.31	3.22	0.750	2.21	1.90	0.253	7.61	7.32	0.684	2.73	2.69	0.893
Iowa	3.41	3.42	0.979	2.41	2.13	0.367	7.01	7.67	0.363	2.90	2.81	0.810
Kansas	3.40	3.24	0.580	1.97	1.91	0.821	6.98	7.45	0.505	2.92	2.62	0.400
Kentucky	3.03	2.88	0.616	1.75	1.61	0.570	6.02	5.76	0.663	2.71	2.58	0.701
Louisiana	3.55	3.13	0.156	1.49	1.47	0.934	6.32	5.88	0.398	3.30	2.83	0.221
Maine	3.25	2.99	0.380	1.71	1.58	0.599	6.87	6.43	0.436	2.92	2.65	0.470
Maryland	3.67	3.34	0.316	1.68	1.52	0.493	6.50	5.77	0.228	3.45	3.16	0.486
Massachusetts	3.62	3.64	0.943	2.04	1.95	0.767	7.96	7.82	0.844	3.03	3.09	0.872
Michigan	3.43	3.66	0.300	1.94	1.73	0.215	6.85 ^a	6.05	0.046	3.04	3.49	0.104
Minnesota	4.17	3.82	0.296	1.98	1.96	0.937	7.72	7.46	0.704	3.84	3.42	0.331
Mississippi	3.35	3.15	0.510	1.59	1.41	0.415	6.21	5.93	0.629	3.07	2.88	0.611
Missouri	3.29	3.14	0.598	1.91	1.74	0.513	6.67	6.05	0.308	2.90	2.82	0.819
Montana	3.99	3.71	0.424	2.60	2.54	0.889	10.69	9.76	0.298	3.03	2.79	0.572

(continued)

Table C.17 Alcohol Dependence in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	3.54	3.16	0.186	2.10	1.70	0.131	7.42	6.54	0.150	2.99	2.70	0.406
Nevada	3.61	3.71	0.735	2.21	2.01	0.495	6.84	7.77	0.176	3.30	3.30	1.000
New Hampshire	3.41	3.31	0.757	2.36	2.11	0.439	8.32	7.39	0.183	2.78	2.80	0.960
New Jersey	3.09	3.05	0.896	1.76	1.63	0.582	6.03	5.91	0.825	2.80	2.78	0.962
New Mexico	4.16	3.93	0.507	2.41	2.22	0.563	8.37	7.62	0.334	3.62	3.48	0.747
New York	3.86	3.62	0.299	2.24	2.05	0.451	8.36 ^b	7.48	0.066	3.24	3.12	0.674
North Carolina	3.52	3.15	0.219	1.49	1.53	0.861	6.50	5.77	0.178	3.29	2.91	0.319
North Dakota	3.36	3.64	0.310	2.13	1.85	0.325	7.67	7.91	0.739	2.55	2.86	0.349
Ohio	3.35	3.18	0.401	1.93	1.65	0.128	7.80 ^a	6.97	0.035	2.80	2.76	0.868
Oklahoma	3.28	3.11	0.533	1.88	1.67	0.393	7.33	6.69	0.350	2.72	2.63	0.786
Oregon	4.25	4.09	0.676	2.18	2.09	0.771	7.70	6.68	0.112	3.95	3.90	0.918
Pennsylvania	3.26	3.10	0.482	1.62	1.56	0.744	6.84	6.46	0.402	2.87	2.73	0.612
Rhode Island	4.27	3.94	0.365	1.75	1.87	0.648	7.60	7.32	0.690	3.94	3.54	0.376
South Carolina	4.09	3.97	0.731	1.56	1.41	0.563	6.43 ^b	5.42	0.069	4.02	4.03	0.980
South Dakota	3.68	3.69	0.966	2.17	2.35	0.596	9.13	7.96	0.136	2.89	3.08	0.647
Tennessee	3.29	3.21	0.775	1.63	1.54	0.674	6.62	5.71	0.118	2.98	3.01	0.935
Texas	3.17	3.14	0.900	1.92	1.82	0.619	5.83	6.03	0.637	2.85	2.79	0.795
Utah	3.25	2.94	0.220	1.81	1.88	0.820	5.90	5.44	0.442	2.83	2.50	0.325
Vermont	3.84	3.74	0.768	1.93	1.85	0.778	7.46	7.19	0.707	3.46	3.35	0.783
Virginia	3.63	3.34	0.353	1.91	1.81	0.710	7.85	7.87	0.978	3.12	2.74	0.319
Washington	3.48	3.06	0.165	2.07	1.83	0.431	7.44	6.85	0.365	3.02	2.59	0.261
West Virginia	3.37	3.17	0.540	2.03	1.74	0.282	6.62	6.12	0.426	3.04	2.88	0.674
Wisconsin	3.62	3.42	0.537	2.12	1.78	0.186	8.25 ^a	6.94	0.046	3.03	3.01	0.955
Wyoming	3.48	3.58	0.733	2.50	2.14	0.269	7.93	7.96	0.966	2.81	2.95	0.709

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Dependence is based on the definition found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.18 *Illicit Drug Dependence or Abuse in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs*

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	2.82	2.82	0.938	4.47	4.52	0.715	7.80	7.80	0.987	1.74	1.74	0.971
Northeast	3.02	2.94	0.384	4.33	4.54	0.340	9.03	8.78	0.431	1.84	1.76	0.437
Midwest	2.64	2.68	0.607	4.57	4.41	0.386	7.32	7.53	0.358	1.58	1.61	0.733
South	2.74	2.70	0.593	4.20	4.21	0.912	7.32	7.15	0.442	1.78	1.74	0.682
West	2.95	3.06	0.279	4.91	5.07	0.513	8.01	8.28	0.424	1.76	1.85	0.487
Alabama	2.74	2.68	0.762	4.18	3.94	0.633	7.29	6.81	0.509	1.79	1.81	0.910
Alaska	2.94	2.79	0.421	4.35	4.48	0.823	7.67	7.19	0.516	1.84	1.68	0.452
Arizona	2.98	3.06	0.721	4.53	4.87	0.596	8.53	8.15	0.655	1.83	1.96	0.595
Arkansas	2.86	2.63	0.253	4.66	4.25	0.457	7.17	6.52	0.330	1.93	1.78	0.533
California	2.94	3.15	0.185	4.96	5.11	0.710	7.80	8.20	0.425	1.73	1.92	0.292
Colorado	2.96	3.19	0.317	5.65	6.25	0.346	8.48	9.38	0.324	1.71	1.76	0.842
Connecticut	2.94	2.91	0.891	4.38	4.42	0.929	9.18	9.05	0.879	1.77	1.72	0.842
Delaware	2.87	2.77	0.606	4.61	4.89	0.620	8.86	8.33	0.474	1.66	1.60	0.793
District of Columbia	4.37	3.85	0.150	3.84	3.76	0.898	8.84 ^a	7.10	0.044	3.42	3.15	0.519
Florida	2.71	2.71	0.994	4.30	4.33	0.921	7.24	7.39	0.760	1.87	1.83	0.846
Georgia	2.55	2.22	0.106	3.80	3.86	0.908	7.01 ^b	5.80	0.079	1.62	1.37	0.309
Hawaii	2.93	2.57	0.211	3.95	4.07	0.843	7.50	7.40	0.901	2.08	1.65	0.167
Idaho	3.03	3.14	0.632	5.08	4.56	0.397	7.79	8.30	0.536	1.91	2.00	0.700
Illinois	2.61	2.67	0.639	4.47	4.32	0.658	7.12 ^b	7.99	0.068	1.54	1.50	0.804
Indiana	3.05	2.98	0.740	5.10	4.21	0.118	7.91	8.04	0.873	1.96	1.94	0.930
Iowa	1.89	2.09	0.296	4.18	4.85	0.273	5.42	5.48	0.928	0.98	1.14	0.450
Kansas	2.29	2.52	0.219	4.08	3.93	0.779	6.58	7.41	0.266	1.25	1.40	0.449
Kentucky	3.24 ^a	2.68	0.008	4.24	4.71	0.411	9.28 ^b	7.83	0.063	2.17 ^a	1.62	0.016
Louisiana	2.91	2.70	0.324	3.73	3.73	0.999	7.71	7.29	0.530	1.87	1.68	0.440
Maine	2.88	2.60	0.144	4.47	3.99	0.348	9.83	9.75	0.928	1.74	1.43	0.120
Maryland	2.79	2.95	0.478	3.83	3.93	0.854	7.98	8.45	0.559	1.77	1.90	0.631
Massachusetts	3.48	3.31	0.484	4.43	5.27	0.177	9.86	9.24	0.494	2.23	2.04	0.428
Michigan	2.99 ^b	2.75	0.093	4.67	4.40	0.456	8.20	7.62	0.207	1.89	1.70	0.255
Minnesota	2.37	2.49	0.513	4.33	4.15	0.753	6.69	7.37	0.342	1.39	1.45	0.749
Mississippi	2.51 ^a	2.98	0.036	3.84	3.97	0.773	6.93	7.45	0.464	1.51 ^b	2.01	0.067
Missouri	2.51	2.67	0.370	4.37	4.18	0.726	7.41	7.87	0.556	1.46	1.61	0.461
Montana	2.74	2.70	0.872	4.50	4.97	0.416	8.14	7.99	0.848	1.62	1.52	0.624

(continued)

Table C.18 Illicit Drug Dependence or Abuse in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	2.05	2.24	0.351	4.51	3.90	0.272	5.49	5.64	0.821	1.07	1.37	0.197
Nevada	3.46 ^a	2.90	0.025	4.97	4.37	0.390	8.89 ^a	7.04	0.021	2.46	2.08	0.183
New Hampshire	3.41	3.41	0.995	5.28	6.49	0.117	10.04	10.58	0.555	2.17	1.92	0.352
New Jersey	2.49	2.59	0.616	4.11	3.93	0.722	7.30	7.75	0.571	1.54	1.63	0.693
New Mexico	3.07	3.17	0.639	5.91	6.80	0.217	8.33	8.31	0.982	1.72	1.76	0.859
New York	3.14	2.99	0.335	4.31	4.49	0.630	9.66	8.97	0.199	1.83	1.75	0.679
North Carolina	2.49	2.76	0.170	4.21	4.10	0.823	6.90	7.75	0.280	1.56	1.77	0.353
North Dakota	2.24	2.03	0.273	4.33	3.88	0.380	6.28 ^b	5.24	0.084	1.07	1.06	0.961
Ohio	2.80	2.85	0.730	4.64	4.57	0.856	8.00	8.03	0.942	1.71	1.79	0.660
Oklahoma	3.05	3.09	0.844	4.70	4.83	0.820	7.55	8.06	0.497	2.02	1.95	0.762
Oregon	3.43	3.18	0.301	4.81	5.53	0.256	9.54	9.14	0.648	2.32	1.95	0.175
Pennsylvania	2.85	2.83	0.916	4.30	4.50	0.586	8.18	8.24	0.908	1.80	1.75	0.765
Rhode Island	4.14 ^a	3.42	0.009	4.81	5.14	0.596	10.79	10.35	0.636	2.82 ^a	1.91	0.002
South Carolina	3.00	2.84	0.508	4.10	4.02	0.886	7.16	7.03	0.859	2.18	2.01	0.520
South Dakota	2.61	2.38	0.206	4.94	4.93	0.977	7.07 ^b	5.91	0.081	1.50	1.42	0.659
Tennessee	2.33	2.60	0.209	3.75	4.05	0.562	6.40	6.52	0.868	1.53	1.81	0.265
Texas	2.73	2.62	0.450	4.43	4.35	0.802	7.04	6.57	0.306	1.67	1.62	0.753
Utah	2.95	2.97	0.945	4.60	4.73	0.812	7.48	7.24	0.712	1.54	1.62	0.749
Vermont	3.07	3.17	0.615	4.16	4.52	0.510	10.12	10.97	0.360	1.79	1.68	0.575
Virginia	2.77	2.86	0.663	4.32	4.65	0.547	7.79	8.06	0.729	1.73	1.74	0.960
Washington	2.48	2.72	0.253	4.52	4.25	0.604	7.79	9.03	0.118	1.38	1.51	0.561
West Virginia	3.18 ^a	2.70	0.050	4.13	3.47	0.212	8.62	8.79	0.851	2.30 ^a	1.70	0.025
Wisconsin	2.48	2.70	0.310	4.71	5.16	0.417	7.03	6.96	0.919	1.44	1.65	0.372
Wyoming	2.33	2.31	0.918	4.91	4.99	0.896	6.61	6.02	0.343	1.24	1.30	0.799

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

NOTE: Dependence or abuse is based on definitions found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.19 *Illicit Drug Dependence in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs*

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	1.95	1.93	0.700	2.46	2.44	0.823	5.56	5.43	0.380	1.26	1.25	0.940
Northeast	2.24	2.13	0.237	2.52	2.51	0.946	6.70	6.41	0.287	1.45	1.36	0.425
Midwest	1.81	1.85	0.641	2.46	2.37	0.530	5.16	5.14	0.903	1.15	1.21	0.539
South	1.82	1.82	0.921	2.25	2.27	0.919	5.10	4.93	0.389	1.21	1.22	0.914
West	2.04	2.02	0.792	2.72	2.70	0.903	5.76	5.70	0.827	1.27	1.26	0.875
Alabama	1.94	1.78	0.308	2.29	2.11	0.543	5.39	4.85	0.337	1.31	1.20	0.590
Alaska	1.90	1.93	0.876	2.32	2.61	0.470	5.23	4.85	0.491	1.21	1.26	0.824
Arizona	2.08	1.94	0.451	2.52	2.63	0.786	6.46	5.63	0.219	1.28	1.23	0.805
Arkansas	2.05	1.86	0.265	2.52	2.36	0.649	5.19	4.45	0.163	1.48	1.37	0.600
California	2.04	2.05	0.922	2.69	2.62	0.787	5.69	5.76	0.880	1.25	1.27	0.876
Colorado	1.87	1.84	0.876	3.04	3.49	0.277	5.37	5.04	0.572	1.14	1.09	0.803
Connecticut	1.87	2.02	0.447	2.56	2.40	0.635	5.86	6.01	0.813	1.15	1.32	0.463
Delaware	2.01	2.09	0.632	2.42	2.90	0.238	6.49	6.72	0.726	1.21	1.24	0.905
District of Columbia	3.04 ^b	2.55	0.094	2.04	2.09	0.891	6.56 ^a	4.70	0.004	2.34	2.12	0.552
Florida	1.76	1.66	0.416	2.18	2.21	0.894	5.01	4.92	0.826	1.24	1.11	0.399
Georgia	1.61	1.45	0.317	2.03	2.11	0.827	4.37 ^b	3.48	0.069	1.08	1.00	0.700
Hawaii	1.88 ^b	1.55	0.062	2.38	2.04	0.402	4.93	4.56	0.487	1.34	1.02	0.136
Idaho	2.19	2.18	0.971	3.17	2.80	0.374	5.44	5.80	0.565	1.48	1.44	0.858
Illinois	1.73	1.87	0.253	2.12	2.20	0.802	4.92 ^b	5.67	0.054	1.10	1.14	0.759
Indiana	2.12	2.08	0.842	2.80	2.45	0.325	5.73	5.66	0.913	1.42	1.41	0.972
Iowa	1.23	1.41	0.218	2.37	2.84	0.220	3.41	3.42	0.975	0.70	0.87	0.309
Kansas	1.50	1.63	0.388	2.29	2.12	0.635	4.29	4.46	0.741	0.88	1.03	0.422
Kentucky	2.35 ^a	1.99	0.047	2.36	2.36	0.998	7.19	6.13	0.123	1.60	1.29	0.156
Louisiana	2.18	1.99	0.270	2.13	2.28	0.672	5.90	5.25	0.250	1.47	1.33	0.501
Maine	2.15	2.05	0.526	2.52	2.36	0.610	7.53	7.69	0.821	1.36	1.21	0.415
Maryland	2.03	2.12	0.652	2.16	2.18	0.947	5.88	6.04	0.789	1.36	1.45	0.718
Massachusetts	2.51	2.38	0.512	2.65	2.98	0.406	6.96	6.87	0.901	1.71	1.52	0.426
Michigan	2.06	1.88	0.127	2.70	2.33	0.150	5.92	5.46	0.254	1.32	1.21	0.430
Minnesota	1.54	1.51	0.829	2.26	2.17	0.780	4.51	4.09	0.396	0.94	0.98	0.802
Mississippi	1.70	2.03	0.103	2.16	2.10	0.845	4.81	5.10	0.616	1.06	1.44	0.132
Missouri	1.83	1.88	0.750	2.59	2.36	0.508	5.57	5.57	0.997	1.12	1.20	0.676
Montana	1.90	1.92	0.878	2.40	2.52	0.731	5.46	5.51	0.947	1.24	1.23	0.951

(continued)

Table C.19 Illicit Drug Dependence in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	1.40	1.60	0.252	2.64	2.39	0.476	3.60	3.79	0.673	0.82	1.08	0.234
Nevada	2.12	1.87	0.185	2.96	2.60	0.380	5.88 ^b	4.86	0.091	1.45	1.31	0.550
New Hampshire	2.53	2.35	0.378	3.20	3.38	0.709	7.04	7.28	0.755	1.75	1.45	0.189
New Jersey	1.95	1.79	0.330	2.42	2.04	0.248	5.72	5.52	0.732	1.31	1.18	0.526
New Mexico	2.13	1.98	0.397	3.12	3.53	0.386	6.07	5.80	0.675	1.28	1.08	0.321
New York	2.38	2.22	0.296	2.51	2.44	0.804	7.34	6.59	0.109	1.47	1.42	0.776
North Carolina	1.62 ^b	1.95	0.055	2.35	2.30	0.887	4.81	5.65	0.147	1.02	1.29	0.185
North Dakota	1.44	1.47	0.858	2.34	2.28	0.839	4.07	3.57	0.293	0.74	0.88	0.413
Ohio	2.04	2.04	0.960	2.40	2.40	0.999	5.84	5.64	0.586	1.36	1.41	0.782
Oklahoma	1.94	1.99	0.752	2.66	2.50	0.630	4.89	5.10	0.707	1.31	1.35	0.832
Oregon	2.69	2.32	0.104	2.95	2.99	0.926	7.33	6.82	0.486	1.94	1.53	0.114
Pennsylvania	2.08	2.08	0.954	2.44	2.59	0.545	6.10	6.19	0.838	1.38	1.34	0.774
Rhode Island	3.04 ^a	2.42	0.010	2.74	3.18	0.307	7.95	7.03	0.201	2.15 ^a	1.47	0.016
South Carolina	1.79	1.76	0.909	1.98	1.93	0.846	4.84	4.54	0.566	1.26	1.28	0.924
South Dakota	1.58	1.61	0.880	2.37	2.80	0.298	4.61	3.88	0.151	0.94	1.04	0.549
Tennessee	1.45 ^b	1.75	0.096	2.09	2.05	0.891	4.14	4.48	0.513	0.97	1.28	0.144
Texas	1.79	1.77	0.872	2.31	2.38	0.749	4.99	4.60	0.296	1.11	1.14	0.822
Utah	1.79	1.99	0.199	2.33	2.45	0.708	4.76	4.79	0.948	0.95	1.22	0.174
Vermont	2.06	2.28	0.213	2.26	2.51	0.489	6.79	7.82	0.164	1.27	1.30	0.851
Virginia	1.79	1.94	0.401	2.43	2.50	0.831	4.94	5.31	0.526	1.18	1.29	0.604
Washington	1.87	2.03	0.320	2.77	2.57	0.560	5.74	6.52	0.204	1.13	1.23	0.607
West Virginia	2.45	2.18	0.230	2.52	2.13	0.280	6.71	7.50	0.335	1.83 ^b	1.38	0.073
Wisconsin	1.68	1.84	0.411	2.64	2.71	0.820	4.83	4.54	0.573	1.04	1.26	0.334
Wyoming	1.43	1.55	0.449	2.78	2.68	0.794	4.01	3.76	0.614	0.80	1.01	0.287

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

NOTE: Dependence is based on the definition found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.20 Dependence or Abuse of Illicit Drugs or Alcohol in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	8.98	8.87	0.423	7.37	7.20	0.324	20.54 ^b	20.04	0.077	7.19	7.14	0.776
Northeast	9.10	9.07	0.886	7.35	7.38	0.914	22.16	21.50	0.190	7.11	7.18	0.785
Midwest	9.23	8.98	0.139	7.63 ^a	7.15	0.024	21.55 ^a	20.57	0.022	7.31	7.19	0.573
South	8.47	8.31	0.333	6.63	6.55	0.740	18.96	18.66	0.475	6.94	6.76	0.389
West	9.43	9.51	0.718	8.26	8.10	0.639	20.76	20.53	0.667	7.53	7.69	0.566
Alabama	8.16	8.29	0.770	6.95	6.64	0.624	17.66	17.65	0.993	6.70	6.89	0.738
Alaska	9.55	9.14	0.399	7.29	7.16	0.866	20.55	19.22	0.285	7.82	7.43	0.529
Arizona	9.19	9.38	0.717	7.86	7.55	0.701	22.24	21.64	0.651	7.15	7.55	0.540
Arkansas	8.29	7.86	0.350	7.62	6.65	0.159	19.14	17.52	0.156	6.61	6.42	0.726
California	9.48	9.84	0.301	8.20	8.30	0.843	20.21	20.31	0.907	7.61	8.07	0.285
Colorado	10.43	10.21	0.711	9.82	9.45	0.662	24.51	23.73	0.593	8.16	7.97	0.795
Connecticut	9.82	9.36	0.383	7.79	7.18	0.404	23.56	22.66	0.480	7.89	7.47	0.495
Delaware	9.61	8.91	0.174	7.69	7.89	0.795	23.68	22.02	0.169	7.50	6.87	0.316
District of Columbia	11.29	12.03	0.289	5.44	5.74	0.611	21.20	20.29	0.458	9.62	10.77	0.189
Florida	8.49	8.32	0.601	6.95	6.93	0.960	18.03	17.63	0.604	7.25	7.07	0.648
Georgia	8.53 ^a	7.49	0.028	5.83	5.86	0.965	20.05	18.31	0.121	6.94 ^b	5.83	0.059
Hawaii	8.98	8.81	0.770	8.00	8.17	0.853	19.62	20.38	0.576	7.39	7.04	0.631
Idaho	8.87	9.66	0.106	8.15	8.02	0.871	20.05	21.40	0.286	7.00	7.75	0.218
Illinois	9.06	8.75	0.354	7.03	6.71	0.450	21.13	20.96	0.837	7.14	6.81	0.411
Indiana	8.50	8.85	0.483	7.73 ^b	6.56	0.080	20.10	19.97	0.923	6.65	7.22	0.340
Iowa	9.29	9.17	0.804	8.24	8.06	0.807	21.45	21.82	0.758	7.27	7.02	0.676
Kansas	9.06	9.05	0.983	7.63	7.50	0.853	21.24	20.76	0.699	6.98	7.02	0.945
Kentucky	7.97	7.66	0.498	6.23	6.58	0.613	19.31	18.23	0.337	6.40	6.10	0.589
Louisiana	8.73	8.24	0.291	5.69	5.61	0.888	19.40	19.00	0.717	7.10	6.53	0.329
Maine	8.39	7.96	0.369	6.89	6.36	0.433	21.79	20.84	0.436	6.69	6.30	0.491
Maryland	8.53	8.17	0.472	6.06	5.64	0.489	18.66	18.57	0.938	7.13	6.73	0.507
Massachusetts	9.64 ^b	10.75	0.058	7.43	8.46	0.181	23.82	25.05	0.368	7.38	8.48	0.126
Michigan	9.38	9.30	0.816	7.75	7.21	0.204	20.76	19.72	0.139	7.66	7.78	0.765
Minnesota	10.12 ^a	9.05	0.042	7.66	7.04	0.388	23.35 ^a	20.70	0.047	8.17	7.29	0.168
Mississippi	7.58	7.82	0.602	5.97	6.11	0.825	16.63	17.18	0.611	6.14	6.32	0.769
Missouri	9.00 ^a	7.98	0.022	7.27	6.84	0.535	21.26 ^a	18.48	0.026	7.21	6.35	0.102
Montana	10.60	10.63	0.962	10.48	9.95	0.542	26.74	25.89	0.543	7.92	8.05	0.855

(continued)

Table C.20 Dependence or Abuse of Illicit Drugs or Alcohol in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	9.52	9.08	0.392	7.66 ^b	6.51	0.077	21.22	20.87	0.790	7.56	7.13	0.515
Nevada	9.57	9.85	0.626	8.76	7.89	0.292	21.01	21.29	0.826	7.98	8.34	0.603
New Hampshire	9.73	9.79	0.916	8.82	9.86	0.271	24.80	24.04	0.562	7.54	7.53	0.987
New Jersey	8.05	7.79	0.592	6.32	6.08	0.688	19.61	18.61	0.395	6.48	6.33	0.803
New Mexico	10.31	9.48	0.127	10.44	9.77	0.421	22.03	20.04	0.139	8.14	7.52	0.353
New York	9.52	9.14	0.293	7.89	7.76	0.795	22.92 ^b	21.45	0.079	7.30	7.13	0.696
North Carolina	7.69	7.82	0.775	5.98	5.89	0.889	17.51	17.94	0.727	6.31	6.37	0.922
North Dakota	9.63	9.38	0.582	8.09 ^a	6.69	0.044	23.05	21.62	0.247	6.83	6.87	0.942
Ohio	9.10	9.08	0.952	7.48	7.37	0.804	21.61	21.43	0.801	7.25	7.27	0.959
Oklahoma	9.30	9.54	0.639	7.51	7.38	0.854	20.33	20.48	0.902	7.53	7.80	0.674
Oregon	10.09	9.67	0.484	9.12	8.79	0.695	22.18	20.54	0.178	8.33	8.03	0.680
Pennsylvania	8.57	8.74	0.646	6.90	7.02	0.798	20.80	20.58	0.794	6.76	6.99	0.614
Rhode Island	10.50	10.78	0.642	8.05	7.59	0.539	22.69	23.07	0.775	8.51	8.84	0.656
South Carolina	9.34	9.45	0.833	6.24	6.33	0.884	19.23	18.62	0.599	8.10	8.31	0.758
South Dakota	10.77	10.25	0.368	9.31	8.74	0.501	25.57 ^a	22.38	0.018	8.30	8.22	0.918
Tennessee	7.61	8.06	0.328	5.31	6.05	0.255	17.74	18.33	0.623	6.33	6.69	0.539
Texas	8.49	8.26	0.474	7.26	6.92	0.423	18.60	18.49	0.889	6.76	6.50	0.521
Utah	8.02	7.43	0.216	6.14	6.17	0.966	16.71	16.33	0.742	6.17	5.45	0.238
Vermont	9.39	9.87	0.377	7.41	8.02	0.453	24.90	25.59	0.612	7.09	7.36	0.672
Virginia	9.38	9.63	0.612	7.28	7.65	0.634	23.02	23.09	0.961	7.32	7.52	0.731
Washington	8.49	7.90	0.214	7.31	6.42	0.181	20.19	19.63	0.646	6.75	6.16	0.308
West Virginia	8.32	7.69	0.169	6.75	6.16	0.349	19.72	18.90	0.503	6.85	6.16	0.217
Wisconsin	9.54	9.50	0.948	8.78	8.21	0.427	23.57 ^a	20.88	0.035	7.26	7.67	0.536
Wyoming	9.28	8.77	0.318	9.27	8.53	0.313	21.27	19.83	0.253	7.16	6.76	0.539

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

NOTE: Dependence or abuse is based on definitions found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.21 *Needing But Not Receiving Treatment for Illicit Drug Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs*

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	2.54	2.53	0.873	4.18	4.21	0.774	7.16	7.14	0.907	1.53	1.52	0.806
Northeast	2.63	2.57	0.530	4.03	4.23	0.335	8.07	7.93	0.653	1.54	1.47	0.511
Midwest	2.38	2.39	0.924	4.20	4.09	0.518	6.81	6.91	0.635	1.39	1.39	0.985
South	2.48	2.41	0.389	3.95	3.94	0.930	6.75	6.57	0.449	1.58	1.51	0.479
West	2.71	2.82	0.349	4.60	4.74	0.601	7.40	7.61	0.541	1.61	1.70	0.489
Alabama	2.46	2.37	0.658	3.84	3.67	0.727	6.83	6.44	0.601	1.54	1.50	0.858
Alaska	2.90	2.74	0.508	4.11	4.19	0.885	6.98	6.49	0.513	1.95	1.79	0.559
Arizona	2.73	2.72	0.954	4.34	4.46	0.852	7.80	7.67	0.876	1.66	1.65	0.994
Arkansas	2.65 ^b	2.28	0.065	4.45	4.02	0.418	6.88	6.04	0.212	1.73	1.44	0.195
California	2.76	2.95	0.264	4.71	4.87	0.682	7.34	7.52	0.719	1.60	1.82	0.269
Colorado	2.73	2.88	0.494	5.25	5.72	0.473	8.09	8.95	0.361	1.53	1.50	0.879
Connecticut	2.54	2.46	0.693	4.05	4.09	0.932	7.88	7.90	0.984	1.51	1.38	0.553
Delaware	2.58	2.40	0.412	4.28	4.14	0.798	7.93	7.23	0.293	1.48	1.40	0.742
District of Columbia	3.31 ^b	2.80	0.088	3.65	3.54	0.826	8.00 ^a	6.43	0.046	2.23	1.94	0.397
Florida	2.47	2.47	0.977	4.08	4.05	0.935	6.73	6.76	0.951	1.67	1.65	0.936
Georgia	2.35	2.04	0.150	3.61	3.57	0.937	6.49 ^b	5.20	0.079	1.47	1.29	0.421
Hawaii	2.64	2.39	0.415	3.60	3.78	0.764	6.60	7.01	0.564	1.89	1.50	0.257
Idaho	2.84	2.85	0.977	4.71	4.39	0.585	7.31	7.70	0.640	1.79	1.75	0.872
Illinois	2.36	2.44	0.596	4.11	4.04	0.832	6.79 ^b	7.54	0.100	1.33	1.31	0.913
Indiana	2.67	2.66	0.980	4.68	3.99	0.213	7.30	7.43	0.882	1.62	1.66	0.859
Iowa	1.83	2.00	0.371	3.80	4.60	0.135	5.17	5.28	0.857	0.99	1.09	0.627
Kansas	2.03	2.12	0.651	3.61	3.49	0.806	6.09	6.46	0.577	1.07	1.11	0.816
Kentucky	2.95 ^a	2.45	0.023	3.97	4.27	0.579	8.35	7.23	0.139	1.98 ^a	1.47	0.031
Louisiana	2.59	2.46	0.568	3.56	3.50	0.900	6.94	6.68	0.691	1.62	1.51	0.681
Maine	2.73	2.38	0.111	4.12	3.66	0.357	8.97	8.71	0.763	1.72	1.35	0.115
Maryland	2.42	2.55	0.560	3.54	3.77	0.615	7.22	7.81	0.435	1.47	1.51	0.859
Massachusetts	3.04	2.92	0.581	4.21 ^b	5.24	0.098	9.04	8.64	0.651	1.85	1.64	0.376
Michigan	2.63 ^b	2.39	0.071	4.44	4.06	0.260	7.36 ^b	6.58	0.075	1.59	1.46	0.384
Minnesota	2.17	2.29	0.534	3.78	3.87	0.844	6.10	6.89	0.260	1.30	1.30	0.978
Mississippi	2.29 ^b	2.73	0.076	3.54	3.63	0.831	6.50	7.03	0.482	1.34	1.80	0.105
Missouri	2.33	2.47	0.516	3.99	3.85	0.774	6.83	7.16	0.648	1.38	1.50	0.591
Montana	2.46	2.42	0.831	4.24	4.65	0.455	7.19	7.23	0.952	1.46	1.32	0.522

(continued)

Table C.21 *Needing But Not Receiving Treatment for Illicit Drug Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)*

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	1.90	1.95	0.808	4.17	3.59	0.266	5.03	5.07	0.943	1.00	1.13	0.579
Nevada	3.10 ^a	2.50	0.011	4.82	4.02	0.217	8.38 ^a	6.52	0.019	2.09	1.69	0.129
New Hampshire	3.04	2.88	0.567	5.06	6.11	0.161	9.19	9.58	0.645	1.85	1.45	0.152
New Jersey	2.10	2.14	0.807	3.89	3.69	0.695	6.50	6.86	0.632	1.19	1.22	0.876
New Mexico	2.87	2.93	0.809	5.63	6.29	0.359	7.95	7.87	0.922	1.58	1.59	0.946
New York	2.80	2.73	0.636	3.96	4.07	0.759	8.76	8.29	0.369	1.59	1.58	0.961
North Carolina	2.24	2.50	0.180	3.92	3.83	0.857	6.25	7.01	0.282	1.38	1.59	0.334
North Dakota	2.07	1.84	0.233	3.77	3.35	0.362	5.80	4.90	0.130	1.02	0.95	0.718
Ohio	2.58	2.48	0.463	4.32	4.18	0.697	7.64	7.42	0.605	1.54	1.46	0.649
Oklahoma	2.73	2.64	0.708	4.35	4.47	0.816	6.59	6.93	0.637	1.81	1.62	0.439
Oregon	3.02	2.82	0.385	4.39	5.00	0.343	8.30	8.03	0.740	2.05	1.74	0.216
Pennsylvania	2.37	2.41	0.793	4.01	4.21	0.529	7.01	7.16	0.743	1.41	1.42	0.981
Rhode Island	3.51 ^a	2.99	0.044	4.59	4.82	0.697	9.83	9.42	0.662	2.20 ^a	1.56	0.019
South Carolina	2.59	2.52	0.732	3.90	3.89	0.980	6.39	6.46	0.922	1.81	1.70	0.659
South Dakota	2.24	2.07	0.359	4.29	4.38	0.868	6.32	5.54	0.231	1.24	1.15	0.664
Tennessee	2.15	2.36	0.366	3.51	3.62	0.803	5.87	6.04	0.823	1.42	1.63	0.411
Texas	2.55	2.36	0.211	4.20	4.07	0.707	6.71	6.19	0.259	1.52	1.38	0.424
Utah	2.48	2.57	0.675	4.17	4.30	0.798	6.15	6.09	0.926	1.28	1.41	0.603
Vermont	2.84	2.72	0.586	3.92	4.20	0.614	8.94	9.52	0.509	1.72	1.38	0.139
Virginia	2.44	2.47	0.898	4.06	4.47	0.425	7.02	7.38	0.619	1.47	1.37	0.667
Washington	2.23	2.57	0.108	3.96	3.75	0.658	6.92 ^a	8.38	0.049	1.26	1.48	0.354
West Virginia	2.89 ^a	2.31	0.031	3.92	3.24	0.164	7.71	7.74	0.962	2.08 ^a	1.40	0.021
Wisconsin	2.19	2.41	0.317	4.35	4.88	0.325	6.42	6.49	0.919	1.22	1.39	0.438
Wyoming	2.13	2.09	0.846	4.33	4.38	0.931	6.17	5.71	0.462	1.14	1.15	0.959

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Needing But Not Receiving Treatment refers to respondents classified as needing treatment for illicit drugs, but not receiving treatment for an illicit drug problem at a specialty facility (i.e., drug and alcohol rehabilitation facilities [inpatient or outpatient], hospitals [inpatient only], and mental health centers). Illicit Drugs include marijuana/hashish, cocaine (including crack), inhalants, hallucinogens, heroin, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.22 Needing But Not Receiving Treatment for Alcohol Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	12+ (2008-2009)	12+ (2009-2010)	12+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	7.03	6.88	0.177	4.57	4.41	0.250	16.07 ^a	15.26	0.002	5.78	5.73	0.676
Northeast	7.01	6.90	0.563	4.58	4.44	0.499	17.07 ^a	16.23	0.048	5.61	5.62	0.961
Midwest	7.36 ^a	6.98	0.013	4.89 ^a	4.37	0.002	17.30 ^a	15.91	0.000	5.97	5.75	0.264
South	6.60	6.46	0.349	4.07	4.08	0.952	14.63 ^b	14.04	0.083	5.57	5.46	0.553
West	7.39	7.42	0.910	5.04	4.94	0.711	16.31	15.80	0.302	6.09	6.22	0.619
Alabama	6.11	6.50	0.349	4.17	4.26	0.831	13.16	12.87	0.760	5.17	5.68	0.310
Alaska	7.41	7.13	0.544	4.89	4.40	0.359	16.04	14.86	0.301	6.15	6.00	0.776
Arizona	7.27	7.15	0.798	5.08	4.59	0.386	17.54	16.65	0.456	5.83	5.87	0.937
Arkansas	6.43	6.15	0.466	4.82	4.39	0.386	14.52	13.53	0.333	5.32	5.15	0.722
California	7.47	7.76	0.394	4.94	5.15	0.623	15.85	15.61	0.748	6.22	6.62	0.318
Colorado	8.30	8.17	0.822	5.94	5.32	0.306	20.24	19.29	0.473	6.59	6.60	0.989
Connecticut	8.28	7.51	0.105	5.74 ^a	4.67	0.041	19.46	17.93	0.194	6.83	6.17	0.245
Delaware	7.29	6.69	0.191	4.70	4.40	0.537	17.88 ^a	15.64	0.040	5.85	5.49	0.507
District of Columbia	8.54	9.21	0.258	3.19	3.37	0.714	16.52	16.73	0.850	7.25	8.07	0.262
Florida	6.66	6.38	0.358	4.30	4.40	0.772	14.20	13.12	0.123	5.81	5.57	0.532
Georgia	6.43	5.88	0.180	3.38	3.53	0.753	14.70	13.49	0.214	5.44	4.87	0.251
Hawaii	7.23	7.46	0.690	5.34	5.25	0.900	16.18	16.97	0.544	6.02	6.19	0.802
Idaho	6.69	7.02	0.430	4.69	4.79	0.844	15.65	16.04	0.710	5.40	5.69	0.572
Illinois	7.26	6.89	0.225	4.17	3.96	0.498	17.09	16.19	0.211	5.88	5.60	0.443
Indiana	6.44	6.67	0.595	4.47	4.09	0.394	15.89	14.99	0.433	5.10	5.57	0.377
Iowa	8.02	7.86	0.736	6.24 ^b	5.24	0.085	18.15	18.73	0.637	6.46	6.21	0.689
Kansas	7.57	7.38	0.680	5.27	4.95	0.562	18.32	16.63	0.154	5.86	5.93	0.909
Kentucky	5.78	5.84	0.877	3.88	4.06	0.723	13.49	13.15	0.712	4.80	4.88	0.859
Louisiana	6.80	6.38	0.331	3.70	3.35	0.381	14.53	13.84	0.473	5.74	5.36	0.486
Maine	6.41	6.21	0.617	4.10	4.16	0.917	16.79	15.77	0.327	5.22	5.07	0.757
Maryland	6.65	5.97	0.106	3.70	3.30	0.340	14.86	13.36	0.140	5.64	5.05	0.256
Massachusetts	7.00 ^b	7.94	0.060	4.58	4.98	0.463	18.41	19.07	0.574	5.26 ^b	6.30	0.079
Michigan	7.10	6.99	0.737	4.76	4.25	0.123	15.78	14.70	0.112	5.93	6.02	0.825
Minnesota	8.67 ^a	7.30	0.006	5.47	4.70	0.146	20.55 ^a	16.85	0.002	7.05 ^b	5.98	0.077
Mississippi	6.02	6.20	0.653	3.71	3.71	0.999	12.60	12.92	0.736	5.13	5.29	0.758
Missouri	7.11 ^b	6.26	0.054	4.98	4.49	0.348	16.47 ^a	13.77	0.011	5.84	5.21	0.240
Montana	9.15	8.71	0.449	7.58 ^a	6.13	0.040	23.16	21.41	0.184	7.00	6.79	0.768

(continued)

Table C.22 Needing But Not Receiving Treatment for Alcohol Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and *P* Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	12+ (2008-2009)	12+ (2009-2010)	12+ (<i>P</i> Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (<i>P</i> Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (<i>P</i> Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (<i>P</i> Value)
Nebraska	8.19 ^b	7.39	0.088	5.45 ^b	4.44	0.055	18.52	17.77	0.526	6.59	5.77	0.140
Nevada	7.31	8.00	0.228	5.16	5.15	0.982	16.34	17.31	0.408	6.25	6.93	0.318
New Hampshire	7.23	7.15	0.860	5.19	5.12	0.910	18.70	17.82	0.475	5.72	5.69	0.957
New Jersey	6.25	6.07	0.702	3.68	3.86	0.664	15.18	13.82	0.203	5.19	5.15	0.943
New Mexico	8.11 ^a	7.14	0.047	6.21 ^b	5.21	0.053	17.78 ^a	15.29	0.044	6.58	5.89	0.236
New York	7.42	6.99	0.168	5.06	4.69	0.323	17.28 ^b	15.97	0.074	5.93	5.67	0.486
North Carolina	6.05	6.01	0.921	3.38	3.63	0.598	13.98	13.34	0.540	5.10	5.08	0.963
North Dakota	7.86	7.90	0.935	4.98	4.32	0.207	19.53	19.11	0.735	5.61	5.72	0.833
Ohio	7.20	6.86	0.268	4.99 ^b	4.36	0.052	16.81	16.04	0.222	5.90	5.67	0.532
Oklahoma	7.10	7.15	0.901	4.72	4.58	0.785	16.02	15.48	0.629	5.79	5.95	0.766
Oregon	7.61	7.13	0.319	5.82 ^b	4.75	0.057	16.31	15.06	0.225	6.47	6.12	0.564
Pennsylvania	6.50	6.51	0.982	4.09	4.07	0.952	16.30	15.80	0.503	5.18	5.26	0.834
Rhode Island	7.76	8.26	0.367	4.72	4.50	0.684	17.11	17.02	0.944	6.38	7.04	0.305
South Carolina	7.43	7.67	0.658	3.98	3.90	0.860	15.22	13.99	0.217	6.58	7.08	0.452
South Dakota	8.83	8.44	0.472	5.96	5.90	0.922	21.77 ^a	19.03	0.041	6.87	6.82	0.944
Tennessee	6.04	6.16	0.766	3.37	3.70	0.452	13.67	13.55	0.898	5.19	5.29	0.843
Texas	6.79	6.63	0.583	4.45	4.36	0.779	14.40	14.40	0.994	5.69	5.47	0.546
Utah	5.87	5.40	0.293	3.33	3.83	0.387	12.49	11.47	0.325	4.65	4.18	0.392
Vermont	7.47	7.61	0.766	4.92	4.68	0.656	18.76	19.00	0.841	5.92	5.96	0.940
Virginia	7.31	7.52	0.662	4.66	4.81	0.794	18.41	18.11	0.795	5.75	6.01	0.657
Washington	6.60	6.04	0.223	4.49	4.10	0.413	15.58	14.60	0.391	5.41	4.88	0.329
West Virginia	5.87	5.53	0.430	4.29	4.16	0.780	14.33	13.19	0.285	4.82	4.52	0.551
Wisconsin	7.49	7.08	0.362	5.20	4.43	0.123	18.38 ^a	15.92	0.022	5.93	5.85	0.886
Wyoming	7.82	7.17	0.155	6.38 ^b	5.38	0.069	18.43	16.79	0.141	6.12	5.62	0.372

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Needing But Not Receiving Treatment refers to respondents classified as needing treatment for alcohol, but not receiving treatment for an alcohol problem at a specialty facility (i.e., drug and alcohol rehabilitation facilities [inpatient or outpatient], hospitals [inpatient only], and mental health centers).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.23 Serious Mental Illness in the Past Year, by Age Group and State: Percentages and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	18+ (2008-2009)	18+ (2009-2010)	18+ (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	3.70 ^b	3.88	0.073	3.55	3.63	0.465	3.72 ^b	3.92	0.089
Northeast	3.64	3.74	0.518	3.65	3.74	0.617	3.64	3.74	0.582
Midwest	4.00	4.21	0.152	3.79	3.83	0.821	4.04	4.28	0.167
South	3.59	3.78	0.144	3.28	3.39	0.470	3.64	3.85	0.177
West	3.63	3.84	0.209	3.66	3.75	0.614	3.62	3.85	0.248
Alabama	3.57 ^a	5.00	0.001	3.44	3.66	0.600	3.59 ^a	5.23	0.002
Alaska	3.49	4.07	0.121	3.11	3.50	0.352	3.56	4.19	0.180
Arizona	3.84	4.37	0.223	3.72	3.92	0.667	3.86	4.44	0.269
Arkansas	4.74	4.94	0.674	3.99	3.97	0.964	4.86	5.10	0.678
California	3.20	3.24	0.865	3.62	3.69	0.841	3.12	3.16	0.897
Colorado	4.65	4.56	0.855	3.67	4.01	0.457	4.81	4.65	0.787
Connecticut	3.52	3.73	0.563	3.53	3.43	0.816	3.51	3.78	0.554
Delaware	3.55	3.93	0.292	3.49 ^a	4.47	0.036	3.56	3.84	0.525
District of Columbia	3.06	3.45	0.268	3.00	2.95	0.893	3.07	3.57	0.265
Florida	3.64	3.62	0.951	3.39	3.12	0.375	3.67	3.70	0.937
Georgia	3.39	3.60	0.539	2.78	3.01	0.536	3.49	3.70	0.617
Hawaii	3.11	3.68	0.199	3.89	3.35	0.266	2.98	3.73	0.155
Idaho	4.75	5.10	0.480	3.74 ^a	4.87	0.039	4.93	5.15	0.718
Illinois	3.62	3.90	0.251	3.51	3.80	0.349	3.64	3.92	0.342
Indiana	4.71	4.78	0.872	4.02	3.93	0.866	4.82	4.93	0.851
Iowa	3.83	4.36	0.182	3.76	3.85	0.844	3.84	4.46	0.198
Kansas	3.51	3.53	0.939	3.78	3.67	0.826	3.46	3.51	0.906
Kentucky	4.18	4.13	0.905	3.42	3.60	0.689	4.30	4.22	0.864
Louisiana	3.59	3.91	0.342	3.49	3.36	0.748	3.61	4.01	0.330
Maine	4.00	4.14	0.734	4.33	4.25	0.871	3.95	4.12	0.724
Maryland	3.28	3.37	0.780	3.46	3.40	0.895	3.25	3.36	0.771
Massachusetts	3.73	4.20	0.207	3.21	3.71	0.231	3.82	4.29	0.309
Michigan	3.98	4.08	0.726	4.12	3.97	0.661	3.96	4.10	0.675
Minnesota	4.37	4.18	0.656	3.84	3.82	0.967	4.46	4.25	0.673
Mississippi	3.43	4.04	0.132	2.99	3.26	0.480	3.51	4.18	0.170
Missouri	4.09	4.79	0.106	3.58	3.56	0.965	4.18	4.99	0.118
Montana	3.95 ^b	4.76	0.077	3.98	4.39	0.439	3.95	4.82	0.111

(continued)

Table C.23 Serious Mental Illness in the Past Year, by Age Group and State: Percentages and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	18+ (2008-2009)	18+ (2009-2010)	18+ (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	3.57	4.13	0.103	3.59	3.77	0.694	3.57	4.21	0.139
Nevada	4.37	4.87	0.267	3.81	3.32	0.277	4.45	5.11	0.227
New Hampshire	3.75	4.25	0.241	3.98	4.43	0.357	3.72	4.21	0.323
New Jersey	3.35	3.39	0.925	3.77	4.11	0.478	3.29	3.27	0.974
New Mexico	3.45	3.38	0.833	3.61	3.54	0.872	3.42	3.35	0.865
New York	3.84	3.72	0.614	3.80	3.49	0.313	3.85	3.76	0.758
North Carolina	3.63	3.47	0.610	3.02	2.99	0.946	3.73	3.54	0.638
North Dakota	3.25	3.48	0.439	3.36	3.61	0.537	3.23	3.45	0.556
Ohio	4.10	4.31	0.470	3.69	3.82	0.690	4.17	4.39	0.506
Oklahoma	3.97	4.03	0.878	4.07	3.68	0.414	3.95	4.09	0.768
Oregon	4.23	4.54	0.456	3.82	3.87	0.898	4.30	4.65	0.483
Pennsylvania	3.31	3.57	0.296	3.43	3.82	0.255	3.29	3.53	0.421
Rhode Island	5.38	4.92	0.366	4.29	4.38	0.857	5.58	5.02	0.366
South Carolina	3.57	3.97	0.236	3.26	3.39	0.752	3.62	4.07	0.280
South Dakota	3.19	3.61	0.229	3.44	3.32	0.788	3.14	3.66	0.227
Tennessee	3.80	4.15	0.392	3.25	3.21	0.917	3.89	4.29	0.400
Texas	3.33	3.40	0.763	3.08	3.58	0.117	3.37	3.37	0.997
Utah	4.64	5.12	0.314	3.78	4.55	0.130	4.86	5.26	0.511
Vermont	3.78	4.04	0.484	3.97	4.19	0.649	3.75	4.01	0.557
Virginia	3.34	3.91	0.113	3.55	3.70	0.734	3.30	3.94	0.140
Washington	3.78	4.39	0.133	3.55	3.30	0.560	3.82	4.57	0.124
West Virginia	4.87	4.92	0.925	3.66	3.37	0.506	5.04	5.15	0.852
Wisconsin	4.12	4.14	0.950	4.16	4.00	0.710	4.11	4.17	0.903
Wyoming	4.20	4.08	0.742	3.49	3.39	0.797	4.32	4.21	0.795

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Serious mental illness (SMI) is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder, that met the criteria found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)* and resulted in serious functional impairment. Estimates for SMI presented in this table may differ from previously published SMI estimates because of revised estimation procedures. For details, see the NSDUH short report titled *Revised Estimates of Mental Illness from the National Survey on Drug Use and Health* at <http://samhsa.gov/data/default.aspx>.

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012; SMI Estimates Revised October 2013).

Table C.24 Any Mental Illness in the Past Year, by Age Group and State: Percentages and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	18+ (2008-2009)	18+ (2009-2010)	18+ (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	17.92	18.10	0.404	18.25	18.02	0.333	17.86	18.11	0.319
Northeast	18.18	18.36	0.662	18.61	18.57	0.933	18.10	18.33	0.645
Midwest	18.36	18.59	0.500	19.22	18.77	0.213	18.21	18.56	0.378
South	17.33	17.53	0.571	17.06	17.04	0.943	17.38	17.61	0.555
West	18.23	18.32	0.843	18.88	18.42	0.350	18.12	18.31	0.724
Alabama	17.44 ^a	20.85	0.006	16.53	17.82	0.261	17.59 ^a	21.37	0.009
Alaska	16.72 ^a	19.39	0.014	15.79 ^a	18.26	0.047	16.90 ^a	19.61	0.033
Arizona	17.15	18.26	0.332	18.31	18.62	0.791	16.95	18.20	0.349
Arkansas	19.60	20.04	0.711	19.89	19.30	0.633	19.55	20.16	0.656
California	17.44	17.07	0.585	18.49	17.61	0.252	17.23	16.96	0.734
Colorado	18.95	18.42	0.622	17.74	18.19	0.704	19.15	18.46	0.576
Connecticut	17.87	17.63	0.828	19.35	19.04	0.790	17.64	17.41	0.853
Delaware	17.75	18.29	0.627	18.41	20.10	0.149	17.64	17.99	0.784
District of Columbia	17.99	19.14	0.289	17.44	17.06	0.754	18.12	19.60	0.247
Florida	16.99	17.02	0.967	16.69	16.57	0.878	17.03	17.08	0.947
Georgia	16.50	15.56	0.356	16.16	17.05	0.442	16.56	15.30	0.291
Hawaii	17.52	17.74	0.855	19.54	19.61	0.957	17.20	17.45	0.858
Idaho	19.51 ^a	22.43	0.014	19.37	21.47	0.111	19.54 ^a	22.61	0.028
Illinois	16.68	16.97	0.675	17.19	18.02	0.275	16.59	16.78	0.812
Indiana	20.37	18.83	0.138	20.62	18.86	0.171	20.33	18.82	0.213
Iowa	17.23 ^b	19.21	0.057	18.24	19.06	0.491	17.05 ^b	19.24	0.068
Kansas	17.24	15.99	0.219	17.89	17.80	0.939	17.13	15.64	0.214
Kentucky	19.23	19.32	0.938	17.78	17.11	0.551	19.46	19.67	0.873
Louisiana	17.46	17.51	0.968	16.81	17.03	0.843	17.59	17.60	0.995
Maine	19.25	18.70	0.627	19.59	20.49	0.485	19.20	18.44	0.555
Maryland	16.86	17.03	0.874	17.72	17.59	0.911	16.72	16.94	0.859
Massachusetts	18.01	18.51	0.633	18.31	18.91	0.613	17.95	18.43	0.687
Michigan	18.63	19.70	0.101	19.81	18.92	0.229	18.43 ^b	19.83	0.063
Minnesota	18.94	18.38	0.600	19.72	19.81	0.936	18.81	18.13	0.587
Mississippi	16.95	17.79	0.421	17.28	17.60	0.769	16.89	17.83	0.440
Missouri	19.11	19.42	0.772	21.43	19.71	0.172	18.72	19.37	0.595
Montana	19.18	20.72	0.133	19.20	20.58	0.266	19.17	20.75	0.189

(continued)

Table C.24 Any Mental Illness in the Past Year, by Age Group and State: Percentages and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	18+ (2008-2009)	18+ (2009-2010)	18+ (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	17.56	17.58	0.986	17.25	18.11	0.474	17.63	17.48	0.909
Nevada	20.59	20.28	0.797	20.46 ^a	17.91	0.050	20.60	20.64	0.982
New Hampshire	18.35	19.76	0.228	19.88	20.31	0.737	18.11	19.68	0.239
New Jersey	17.65	17.54	0.924	18.52	18.73	0.852	17.51	17.35	0.904
New Mexico	17.85	16.43	0.177	18.04	17.50	0.655	17.82	16.24	0.193
New York	18.35	19.02	0.354	18.27	18.39	0.882	18.37	19.13	0.358
North Carolina	17.74	17.22	0.617	16.43	15.81	0.591	17.95	17.45	0.678
North Dakota	15.46	16.26	0.437	15.32	17.08	0.102	15.50	16.08	0.638
Ohio	18.41 ^b	19.66	0.081	18.75	18.83	0.914	18.36 ^b	19.80	0.079
Oklahoma	20.33	20.34	0.988	20.56	21.19	0.649	20.28	20.19	0.946
Oregon	19.55	20.12	0.620	20.51	19.86	0.581	19.40	20.16	0.562
Pennsylvania	17.83	17.53	0.680	18.55	17.88	0.376	17.71	17.47	0.777
Rhode Island	23.53 ^b	21.30	0.074	22.77 ^a	19.42	0.009	23.67	21.65	0.164
South Carolina	16.95	17.18	0.821	16.99	16.49	0.673	16.94	17.29	0.763
South Dakota	16.40	16.82	0.698	16.94	17.37	0.709	16.31	16.71	0.744
Tennessee	19.12 ^b	21.17	0.099	17.43	17.23	0.853	19.38 ^b	21.79	0.090
Texas	16.47	15.99	0.464	16.11	16.01	0.885	16.54	15.99	0.468
Utah	21.78	22.87	0.326	21.53	22.53	0.472	21.85	22.96	0.415
Vermont	18.66	19.75	0.310	19.42	21.15	0.188	18.53	19.51	0.428
Virginia	16.33	17.52	0.225	18.33	18.13	0.865	15.99	17.41	0.208
Washington	19.85	20.75	0.459	20.00	19.38	0.621	19.82	20.98	0.412
West Virginia	20.00	20.47	0.685	21.21	19.69	0.265	19.83	20.58	0.560
Wisconsin	19.96	18.89	0.314	22.43 ^a	19.11	0.010	19.55	18.86	0.567
Wyoming	20.24	19.47	0.475	20.38	20.00	0.756	20.22	19.37	0.500

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Any mental illness (AMI) is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder, that met the criteria found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV). Estimates for AMI presented in this table may differ from previously published AMI estimates because of revised estimation procedures. For details, see the NSDUH short report titled *Revised Estimates of Mental Illness from the National Survey on Drug Use and Health* at <http://samhsa.gov/data/default.aspx>.

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012; AMI Estimates Revised October 2013).

Table C.25 Had Serious Thoughts of Suicide in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	18+ (2008-2009)	18+ (2009-2010)	18+ (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	3.73	3.78	0.599	6.42	6.36	0.695	3.26	3.33	0.549
Northeast	3.73	3.82	0.574	6.64	6.62	0.944	3.24	3.34	0.550
Midwest	4.10	4.05	0.695	6.79	6.73	0.772	3.64	3.58	0.712
South	3.41	3.53	0.352	5.91	5.96	0.837	2.99	3.11	0.388
West	3.87	3.88	0.947	6.66	6.41	0.417	3.36	3.42	0.772
Alabama	3.73	4.10	0.408	6.42	6.63	0.774	3.28	3.66	0.450
Alaska	3.76	3.96	0.612	6.00	6.13	0.854	3.34	3.54	0.675
Arizona	3.98	4.08	0.826	6.60	6.40	0.783	3.54	3.69	0.770
Arkansas	4.11	4.37	0.529	6.67	6.62	0.941	3.69	4.00	0.529
California	3.39	3.57	0.434	6.53	6.26	0.549	2.79	3.06	0.313
Colorado	4.30	4.12	0.636	6.14	6.53	0.578	4.00	3.70	0.514
Connecticut	3.95	3.63	0.442	6.61	5.95	0.341	3.53	3.25	0.568
Delaware	3.02 ^a	3.89	0.029	6.09 ^b	7.45	0.062	2.51 ^b	3.30	0.089
District of Columbia	4.47	3.98	0.292	5.73	5.64	0.876	4.18	3.62	0.321
Florida	3.54	3.52	0.942	6.10	5.67	0.342	3.16	3.20	0.902
Georgia	2.80	3.12	0.307	5.26	5.58	0.601	2.38	2.70	0.403
Hawaii	3.81	3.92	0.778	7.53	7.36	0.821	3.21	3.37	0.726
Idaho	4.76	4.87	0.814	7.07	7.71	0.422	4.35	4.35	0.999
Illinois	4.28	4.05	0.399	6.31	6.86	0.230	3.91	3.55	0.238
Indiana	4.21	3.99	0.565	6.56	6.40	0.804	3.82	3.57	0.594
Iowa	4.01	3.90	0.751	6.44	6.16	0.675	3.59	3.49	0.822
Kansas	3.60	3.55	0.897	6.42	6.22	0.771	3.07	3.04	0.944
Kentucky	3.96	3.98	0.960	6.28	6.26	0.976	3.60	3.62	0.968
Louisiana	3.11	3.53	0.237	5.84	6.17	0.612	2.58	3.03	0.297
Maine	4.56	4.56	0.991	7.07	6.55	0.403	4.21	4.28	0.886
Maryland	3.41	3.52	0.773	6.51	6.25	0.725	2.89	3.05	0.692
Massachusetts	3.93	3.94	0.998	5.99	6.26	0.674	3.57	3.52	0.920
Michigan	4.26	4.15	0.709	7.67 ^b	6.90	0.097	3.69	3.68	0.990
Minnesota	3.67	3.90	0.593	6.59	6.72	0.830	3.18	3.41	0.638
Mississippi	3.29	3.72	0.243	6.35	6.34	0.985	2.72	3.23	0.259
Missouri	3.87	4.30	0.321	6.34	6.55	0.738	3.47	3.91	0.371
Montana	4.35	4.57	0.630	6.85	7.70	0.285	3.93	4.02	0.864

(continued)

Table C.25 Had Serious Thoughts of Suicide in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	18+ (2008-2009)	18+ (2009-2010)	18+ (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	3.91	4.02	0.786	6.04	6.25	0.737	3.51	3.58	0.869
Nevada	4.41	4.18	0.616	6.71	5.67	0.131	4.07	3.95	0.823
New Hampshire	3.40 ^b	4.28	0.057	6.82	6.98	0.830	2.88 ^b	3.86	0.069
New Jersey	3.28	3.62	0.368	6.97	7.23	0.720	2.71	3.07	0.419
New Mexico	4.15 ^b	3.53	0.100	6.85	6.61	0.716	3.65	2.96	0.127
New York	3.82	3.84	0.956	6.62	6.57	0.916	3.32	3.35	0.909
North Carolina	3.55	3.48	0.868	5.80	5.77	0.966	3.18	3.10	0.856
North Dakota	3.56	3.48	0.809	5.39	5.91	0.402	3.14	2.91	0.556
Ohio	4.25	4.13	0.671	6.90	6.99	0.826	3.82	3.66	0.639
Oklahoma	3.53	3.86	0.418	6.31	5.99	0.648	3.02	3.47	0.363
Oregon	4.43	4.14	0.515	6.64	6.32	0.613	4.08	3.79	0.569
Pennsylvania	3.52	3.68	0.529	6.73	6.60	0.782	2.99	3.20	0.488
Rhode Island	5.11	4.56	0.258	6.79	6.90	0.871	4.79	4.11	0.248
South Carolina	3.51	3.60	0.814	6.21	5.79	0.529	3.07	3.23	0.708
South Dakota	4.23	3.92	0.494	7.18	6.09	0.144	3.70	3.53	0.750
Tennessee	3.26	3.63	0.333	5.64	5.58	0.920	2.90	3.32	0.341
Texas	3.27	3.14	0.579	5.42	5.90	0.288	2.86	2.61	0.368
Utah	5.39	4.99	0.400	7.49	7.69	0.805	4.85	4.31	0.364
Vermont	4.49	4.39	0.830	7.04	7.32	0.695	4.07	3.88	0.729
Virginia	3.31	3.76	0.242	6.25	6.25	0.997	2.80	3.33	0.259
Washington	4.56	4.25	0.515	7.18	6.23	0.173	4.14	3.93	0.711
West Virginia	4.29	4.46	0.717	7.28	6.80	0.483	3.86	4.10	0.648
Wisconsin	4.05	4.04	0.997	7.90	7.09	0.293	3.40	3.51	0.810
Wyoming	4.52	3.98	0.234	6.32	5.97	0.602	4.20	3.62	0.276

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Table C.26 Had at Least One Major Depressive Episode in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs

State	18+ (2008-2009)	18+ (2009-2010)	18+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Total U.S.	6.53	6.70	0.164	8.22	8.07	0.402	8.21	8.15	0.759	6.24	6.45	0.151
Northeast	6.42	6.68	0.224	7.92	7.79	0.636	8.06	8.24	0.559	6.15	6.42	0.264
Midwest	6.72	6.99	0.142	8.35	8.20	0.516	8.50	8.52	0.953	6.41	6.72	0.140
South	6.44	6.59	0.415	8.07	8.06	0.964	7.79	7.77	0.939	6.22	6.39	0.410
West	6.57	6.63	0.796	8.53	8.17	0.234	8.67	8.33	0.316	6.19	6.32	0.637
Alabama	6.35 ^b	7.48	0.082	7.99	7.65	0.652	7.35	7.97	0.416	6.19	7.40	0.111
Alaska	5.86	6.74	0.117	7.70	7.65	0.950	7.31	8.10	0.301	5.59	6.48	0.183
Arizona	6.94	6.87	0.908	8.99	8.37	0.456	8.88	8.58	0.745	6.61	6.58	0.965
Arkansas	7.86	7.81	0.945	9.03	8.52	0.499	8.98	8.64	0.684	7.67	7.67	1.000
California	6.05	6.12	0.849	8.14	7.85	0.533	8.50	8.02	0.347	5.58	5.76	0.681
Colorado	7.56	7.05	0.401	9.16	8.92	0.760	8.40	8.00	0.618	7.41	6.88	0.450
Connecticut	5.95	6.25	0.601	8.03	7.59	0.559	8.11	7.71	0.602	5.61	6.01	0.541
Delaware	6.43	6.93	0.401	7.86	9.02	0.143	8.55 ^a	10.39	0.041	6.08	6.36	0.677
District of Columbia	5.93	6.58	0.215	6.93	6.88	0.938	7.39	7.35	0.958	5.60	6.41	0.209
Florida	6.40	6.41	0.974	8.53	8.76	0.651	7.93	7.67	0.606	6.17	6.22	0.910
Georgia	6.26	6.24	0.972	7.88	8.09	0.779	7.65	7.84	0.816	6.02	5.96	0.923
Hawaii	6.15	5.99	0.804	8.08	7.23	0.330	8.68	7.67	0.258	5.74	5.73	0.985
Idaho	7.47	7.61	0.809	8.90	8.99	0.907	9.19	10.10	0.314	7.16	7.16	0.999
Illinois	6.17 ^b	6.81	0.094	7.48	7.48	0.997	7.93 ^b	8.90	0.057	5.85	6.43	0.184
Indiana	8.14	7.48	0.302	9.25	8.78	0.515	8.51	7.96	0.498	8.08	7.40	0.356
Iowa	5.87 ^a	7.01	0.045	8.07	7.64	0.548	7.75	7.77	0.977	5.54 ^a	6.87	0.047
Kansas	6.61	6.65	0.943	8.58	8.66	0.916	8.38	8.73	0.665	6.29	6.26	0.966
Kentucky	7.14	7.02	0.853	8.42	8.36	0.940	7.98	7.69	0.690	7.00	6.91	0.899
Louisiana	5.75	6.24	0.356	7.67	6.93	0.275	6.97	7.08	0.882	5.51	6.08	0.374
Maine	6.81	6.85	0.936	8.08	8.55	0.552	8.78	8.84	0.940	6.53	6.57	0.953
Maryland	6.17	6.09	0.885	7.31	7.58	0.720	8.18	7.63	0.508	5.83	5.83	0.999
Massachusetts	6.77	7.23	0.398	8.03	7.86	0.819	8.51	8.68	0.838	6.47	6.97	0.415
Michigan	6.65	6.90	0.494	8.21	8.37	0.759	9.15	9.20	0.921	6.23	6.50	0.510
Minnesota	7.55	6.85	0.223	8.60	7.81	0.283	8.87	8.56	0.697	7.33	6.56	0.252
Mississippi	5.80	6.39	0.270	7.26	7.46	0.776	6.60	6.53	0.921	5.66	6.36	0.264
Missouri	7.03	7.33	0.610	8.91	9.58	0.409	9.15	8.01	0.165	6.68	7.22	0.438
Montana	6.76	7.37	0.256	9.07	8.38	0.386	8.85	9.57	0.425	6.41	6.99	0.349

(continued)

Table C.26 Had at Least One Major Depressive Episode in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2008-2009 and 2009-2010 NSDUHs (continued)

State	18+ (2008-2009)	18+ (2009-2010)	18+ (P Value)	12-17 (2008-2009)	12-17 (2009-2010)	12-17 (P Value)	18-25 (2008-2009)	18-25 (2009-2010)	18-25 (P Value)	26+ (2008-2009)	26+ (2009-2010)	26+ (P Value)
Nebraska	6.31	7.10	0.135	8.20	8.28	0.913	7.59	7.88	0.703	6.07	6.95	0.158
Nevada	6.88	6.97	0.880	7.38	7.73	0.661	8.89 ^a	7.27	0.049	6.58	6.93	0.624
New Hampshire	7.61	7.23	0.550	8.80	8.92	0.889	8.88	9.47	0.488	7.41	6.87	0.464
New Jersey	5.98	6.10	0.831	7.35	7.21	0.840	8.12	8.61	0.522	5.65	5.71	0.922
New Mexico	6.47	5.87	0.259	8.95	8.63	0.700	8.56	7.68	0.300	6.08	5.54	0.379
New York	6.64	6.75	0.775	8.22	7.84	0.428	7.84	7.56	0.593	6.42	6.60	0.678
North Carolina	6.85	6.56	0.627	8.43	7.45	0.184	8.07	7.27	0.297	6.65	6.44	0.762
North Dakota	6.26	6.74	0.316	9.03	8.24	0.282	7.21	7.99	0.241	6.05	6.46	0.493
Ohio	6.18 ^a	6.99	0.030	8.31	8.25	0.901	8.16	8.21	0.924	5.85 ^a	6.79	0.031
Oklahoma	7.40	7.54	0.837	8.04	7.85	0.809	9.47	9.75	0.766	7.03	7.13	0.893
Oregon	7.44	7.52	0.899	10.18	8.94	0.111	9.83	9.68	0.854	7.07	7.17	0.885
Pennsylvania	5.92 ^b	6.62	0.063	7.54	7.91	0.434	7.64 ^b	8.67	0.060	5.64	6.28	0.133
Rhode Island	9.34 ^b	7.95	0.058	9.35	8.11	0.128	10.87 ^b	9.33	0.097	9.05	7.69	0.115
South Carolina	7.02	7.36	0.566	8.90	8.56	0.638	8.43	8.73	0.711	6.79	7.13	0.615
South Dakota	5.71	5.95	0.653	8.47	8.80	0.690	6.90	7.32	0.584	5.50	5.70	0.745
Tennessee	6.83	7.35	0.399	8.53	8.33	0.791	7.19	7.78	0.380	6.78	7.28	0.479
Texas	5.97	6.02	0.888	7.49	7.96	0.322	7.25	7.49	0.608	5.73	5.74	0.981
Utah	7.51	8.18	0.274	8.43	8.09	0.655	8.37	9.31	0.247	7.29	7.90	0.419
Vermont	6.52	6.98	0.422	8.10	8.22	0.862	9.43	9.31	0.895	6.04	6.57	0.418
Virginia	6.30	6.84	0.348	8.78	8.37	0.617	8.57	8.23	0.680	5.92	6.60	0.311
Washington	7.19	7.58	0.523	9.39	8.86	0.457	9.07	8.98	0.916	6.88	7.35	0.512
West Virginia	7.77	7.63	0.839	8.39	8.03	0.645	8.81	8.08	0.364	7.62	7.56	0.942
Wisconsin	7.28	7.06	0.706	8.83	7.61	0.136	9.55	8.88	0.423	6.89	6.74	0.823
Wyoming	7.37	7.22	0.806	8.50	8.73	0.775	9.50	8.96	0.532	6.99	6.91	0.900

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes posterior probability of no change between the 2008-2009 and the 2009-2010 estimates. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: The 2008-2009 estimates may differ from previously published estimates due to updates (see Section 1.5 of this report).

NOTE: Major depressive episode is defined as in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)*, which specifies a period of at least 2 weeks when a person experienced a depressed mood or loss of interest or pleasure in daily activities and had a majority of specified depression symptoms. For details, see Section A.11 in Appendix A of this report.

NOTE: There are minor wording differences in the questions in the adult and adolescent major depressive episode modules. Therefore, data from youths aged 12 to 17 were not combined with data from persons aged 18 or older to get an overall estimate (12 or older).

^a Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.05 level.

^b Difference between the 2008-2009 estimate and the 2009-2010 estimate is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2008, 2009, and 2010 (Revised March 2012).

Appendix D: Other Sources of State-Level Data

A variety of surveys and data systems other than the National Survey on Drug Use and Health (NSDUH) collect data on substance use and mental health problems. It is useful to consider the results of these other studies when discussing NSDUH data. This appendix briefly describes one of these other data systems that publish State estimates, presenting selected comparisons with NSDUH results. The State-level survey that collects data on substance use discussed in this appendix is the Behavioral Risk Factor Surveillance System (BRFSS), sponsored by the Centers for Disease Control and Prevention (CDC). Another CDC data system that provides State-level substance use estimates for most but not all States is the Youth Risk Behavior Survey (YRBS). Differences between the YRBS and NSDUH sampling designs, and age groups used in NSDUH small area estimates, imply that comparisons of prevalence rates are not straightforward. However, ignoring these differences and examining estimates at a national level, the YRBS has generally shown to have higher prevalence rates but similar long-term trends compared with NSDUH (Center for Behavioral Health Statistics and Quality [CBHSQ], 2011). For further details about the YRBS, see the CDC Web site at <http://www.cdc.gov/HealthyYouth/yrbs/index.htm>.

When considering the information presented here, it is important to understand the methodological differences between these surveys and the impact that these differences could have on estimates of substance use. Several studies have compared NSDUH estimates with estimates from other studies and have evaluated how differences may have been affected by differences in survey methodology (Brener et al., 2006; Gfroerer, Wright, & Kopstein, 1997; Gruzza, Abbacchi, Przybeck, & Gfroerer, 2007; Hennessy & Ginsberg, 2001; Miller et al., 2004). These studies suggest that the goals and approaches of surveys are often different, making comparisons between them difficult. Some methodological differences that have been identified as affecting comparisons include populations covered, sampling methods, mode of data collection, survey setting, questionnaires, and estimation methods.

BRFSS is a State-based system of health surveys that collect information on health risk behaviors (including cigarette and alcohol use), preventive health practices, and health care access primarily related to chronic disease and injury. BRFSS is an annual, State-based telephone (landline only) survey of the civilian, noninstitutionalized adult population aged 18 or older and is sponsored by the CDC. In 2010, BRFSS collected data from all 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, and Guam using a computer-assisted telephone interviewing (CATI) design. More than 400,000 adults are interviewed each year. State estimates are presented on a yearly basis. BRFSS data are weighted based on the probability of selection of a telephone number, the number of adults in a household, and the number of telephones in a household. A final poststratification adjustment is made for nonresponse and noncoverage of households without telephones. The BRFSS State prevalence rates and confidence intervals presented in this report (in [Tables D.1](#) and [D.2](#) at the end of this appendix) are weighted design-based estimates (i.e., each respondent is weighted, and the survey design is accounted for in the estimates) from the 2010 survey. To address the increasing number

of cell phone-only households, 48 States, the District of Columbia, Guam, Puerto Rico, and Virgin Islands collected a sample of cell phone-only interviews in a pilot study in 2010 to reach this portion of the population. However, data collected from cell phone-only households have not been incorporated into the regular BRFSS surveys. For more details about BRFSS, see the CDC Web site at <http://www.cdc.gov/brfss>.

There are three measures for which State estimates are produced for both BRFSS and NSDUH: past month alcohol use, past month binge alcohol use, and cigarette use ("past month" use for NSDUH and "current" use for BRFSS). Past month alcohol use is defined consistently in both BRFSS and NSDUH as having an alcoholic beverage in the past month. In NSDUH, past month cigarette use is defined as having smoked part or all of a cigarette during the past 30 days. In BRFSS, the cigarette use measure reported is current cigarette use, which is defined as having smoked at least 100 cigarettes during the lifetime and indicating smoking every day or some days at the time of the survey. Because of these subtle but present differences in definitions, the NSDUH estimates tend to be higher in that they catch 2 groups of people that the BRFSS estimates would not: (1) respondents who have not smoked 100 cigarettes in their lifetime but had smoked in the past month, and (2) respondents who had smoked a cigarette earlier in the month but were not smoking at the time of the survey. Lastly, both surveys ask about binge alcohol use in the past month. The definition for binge alcohol use in NSDUH is having had five or more drinks of an alcoholic beverage on the same occasion (i.e., at the same time or within a couple hours of each other) on at least 1 day in the past 30 days. In BRFSS, women are asked about drinking four or more drinks on one occasion, whereas men are asked about drinking five or more drinks on one occasion.

In this appendix, the findings of the 2010 BRFSS State estimates and the combined 2009-2010 NSDUH State estimates for past month alcohol use and cigarette use ("past month" use for NSDUH and "current" use for BRFSS) are presented. In [Tables D.1](#) and [D.2](#), the 2010 BRFSS State estimates for adults aged 18 or older are shown alongside the pooled 2009-2010 NSDUH small area estimates for the same age group (by combining the 18 to 25 and 26 or older age groups). [Table D.1](#) also includes p values that indicate whether the BRFSS and NSDUH estimates are significantly different from each other for a given State using an exact test described in Section D.1. As can be seen in [Table D.2](#), the NSDUH past month cigarette use estimates tend to be higher than the current cigarette use estimates from BRFSS; no p values of differences are shown. Because the definitions for binge alcohol use in the two surveys are different for women, no comparison of binge alcohol use was done.

D.1 Methodology for Comparing BRFSS and NSDUH Estimates

The method for comparing the two estimates is similar to what is described in Section A.12 of Appendix A. Here, the null hypothesis of no difference is tested, that is, $\pi_b = \pi_n$ (where π_b is a State-specific BRFSS direct prevalence rate and π_n is a State-specific NSDUH model-based prevalence rate) or equivalently that the logs-odds ratio is zero, that is, $lor = 0$, where lor is defined as $lor = \ln \left[\frac{\pi_b / (1 - \pi_b)}{\pi_n / (1 - \pi_n)} \right]$, where \ln denotes the natural logarithm. An estimate of

lor is given by $\hat{lor} = \ln \left[\frac{p_b / (1 - p_b)}{p_n / (1 - p_n)} \right]$, where p_b and p_n are the 2010 BRFSS State estimates

and the 2009-2010 NSDUH State estimates, respectively (as given in [Tables D.1](#) and [D.2](#)). To

compute the variance of \hat{lor} , that is, $v(\hat{lor})$, let $\hat{\theta}_b = \frac{p_b}{1 - p_b}$ and $\hat{\theta}_n = \frac{p_n}{1 - p_n}$, then

$v(\hat{lor}) = v[\ln(\hat{\theta}_b)] + v[\ln(\hat{\theta}_n)] - 2 \text{cov}[\ln(\hat{\theta}_b), \ln(\hat{\theta}_n)]$. The covariance term can be assumed to be zero because the BRFSS and NSDUH samples are independent.

The quantity $v[\ln(\hat{\theta}_n)]$ can be obtained by using the 95 percent Bayesian confidence intervals in [Tables D.1](#) and [D.2](#). For this purpose, let $(lower_n, upper_n)$ denote the 95 percent Bayesian confidence interval for a given State- s :

$$v[\ln(\hat{\theta}_n)] = \left(\frac{U_n - L_n}{2 \times 1.96} \right)^2,$$

where $U_n = \ln \frac{upper_n}{1 - upper_n}$ and $L_n = \ln \frac{lower_n}{1 - lower_n}$.

The quantity $v[\ln(\hat{\theta}_b)]$ can be obtained by using the 95 percent confidence intervals in [Tables D.1](#) and [D.2](#). For this purpose, let $(lower_b, upper_b)$ denote the 95 percent confidence intervals for a given State- s . Using the first-order Taylor series approximation, the variance can be calculated as follows:

$$v[\ln(\hat{\theta}_b)] = \left(\frac{upper_b - lower_b}{2 \times 1.96} \right)^2 \left(\frac{1}{p_b(1 - p_b)} \right)^2.$$

The p value (given in [Table D.1](#)) for testing the null hypothesis of no difference ($lor = 0$) is given by $p \text{ value} = 2 * P[Z \geq abs(z)]$, where Z is a standard normal random variate,

$z = \frac{\hat{lor}}{\sqrt{v[\ln(\hat{\theta}_b)] + v[\ln(\hat{\theta}_n)]}}$, and $abs(z)$ denotes the absolute value of z .

D.2 Alcohol Use

As can be seen in [Table D.1](#), for past month alcohol use, the NSDUH and the BRFSS estimates for about half of the States are similar (i.e., at the 5 percent level of significance, 25 of 51 States are different). These estimates are also highly correlated (correlation coefficient = 0.93). [Figures D.1](#) and [D.2](#) were created by using the BRFSS State estimates and the NSDUH State estimates and categorizing the States into five quintiles similar to the process described in Section 1.2 of Chapter 1. Note that in [Tables D.1](#) and [D.2](#), the BRFSS estimates and corresponding confidence intervals are rounded to one decimal place, whereas the NSDUH small

area estimates and Bayesian confidence intervals are rounded to two decimal places. Therefore, all of the tables and maps included in this appendix use that approximation.

As can be seen in [Figures D.1 and D.2](#), 7 out of 10 States with the highest rates of alcohol use (States shown in red) were the same in the two surveys: Connecticut, District of Columbia, Massachusetts, New Hampshire, Rhode Island, Vermont, and Wisconsin. The lowest rate of past month alcohol use was in Utah for the both the BRFSS survey and NSDUH (see [Table D.1 and Figures D.1 and D.2](#)).

D.3 Cigarette Use

As can be seen in [Table D.2](#), the NSDUH estimates of past month cigarette use are always larger than the BRFSS estimates of current cigarette use. Some of this difference is the result of the differences in definitions as discussed earlier in this appendix; thus, exact tests to examine significant differences between the NSDUH and BRFSS cigarette use estimates are not included. Although the NSDUH estimates are consistently larger for all 50 States and the District of Columbia, these 2 sets of estimates are highly correlated (correlation coefficient = 0.90).

[Figures D.3 and D.4](#) were created using the same method used to produce [Figures D.1 and D.2](#). As can be seen in [Figures D.3 and D.4](#), 6 out of 10 States with the highest rates of cigarette use (States shown in red) were the same in the 2 surveys: Alabama, Arkansas, Kentucky, Mississippi, Oklahoma, and West Virginia. The lowest rate of cigarette use for both surveys occurred in Utah (see [Table D.2](#)).

D.4 Sample Size Comparisons

The BRFSS estimates are design based; however, the NSDUH estimates are model based. Also, the NSDUH estimates are based on the pooled 2009 and 2010 NSDUHs (2 years of data), whereas the BRFSS estimates are based on the 2010 BRFSS survey (1 year of data). Although the BRFSS estimates are only based on 1 year of data, the BRFSS sample sizes for a given State are in general much larger than the sample sizes for NSDUH over 2 years. The 8 "large" States¹⁸ (California, Florida, Illinois, Michigan, New York, Ohio, Pennsylvania, and Texas) have a sample size of approximately 7,200 respondents each for the 2009-2010 combined NSDUH data. In 2009-2010, sample sizes in these States ranged from 5,900 to 7,375 (see [Table A.9](#) in Appendix A). For the 2010 BRFSS, 1 State (Illinois) had a slightly smaller sample size as compared with the NSDUH data, but the other 7 States had larger sample sizes. Overall, the BRFSS sample sizes for the 8 "large" States varied from a low of 5,202 respondents in Illinois to a high of 35,109 respondents in Florida, with a median sample size of 10,547.¹⁹ For the remaining 43 small sample States, the NSDUH sample size for the combined 2009-2010 data was approximately 1,800 respondents for each State. The BRFSS sample sizes for the small sample States were much larger, varying from a low of 1,964 respondents in Alaska to a high of 19,628 respondents in Washington, with a median sample size of 6,798. Sample size differences of this magnitude explain why the NSDUH Bayesian confidence intervals are generally wider than the corresponding BRFSS design-based confidence intervals.

¹⁸ The eight most populous States are referenced as the "large" States in this report.

¹⁹ For more information, see http://www.cdc.gov/brfss/technical_infodata/surveydata/2010.htm.

**Table D.1 Alcohol Use in Past Month among Persons Aged 18 or Older, by State:
Percentages, Annual Averages Based on 2010 BRFSS and 2009-2010 NSDUHs**

State	2010 BRFSS (Estimate)	2010 BRFSS (95% Confidence Interval)	2009-2010 NSDUH (Estimate)	2009-2010 NSDUH (95% Confidence Interval)	PValue
Alabama	37.5	(35.8 - 39.2)	46.41	(42.90 - 49.95)	0.000
Alaska	58.4	(54.9 - 62.0)	57.44	(53.54 - 61.24)	0.719
Arizona	51.7	(49.2 - 54.1)	51.97	(47.93 - 55.99)	0.909
Arkansas	38.4	(36.0 - 40.9)	44.16	(40.54 - 47.85)	0.010
California	53.3	(52.2 - 54.4)	54.50	(52.38 - 56.61)	0.324
Colorado	58.4	(56.9 - 59.8)	67.27	(63.58 - 70.77)	0.000
Connecticut	66.1	(64.3 - 67.8)	63.79	(59.93 - 67.48)	0.272
Delaware	59.3	(57.1 - 61.4)	60.72	(56.81 - 64.49)	0.530
District of Columbia	62.7	(60.7 - 64.8)	65.03	(61.47 - 68.44)	0.262
Florida	55.3	(54.0 - 56.5)	54.13	(52.00 - 56.25)	0.354
Georgia	47.7	(45.8 - 49.6)	51.97	(48.18 - 55.75)	0.048
Hawaii	49.0	(47.1 - 50.8)	51.20	(47.41 - 54.97)	0.307
Idaho	44.4	(42.7 - 46.2)	51.55	(47.89 - 55.19)	0.001
Illinois	59.1	(57.1 - 61.1)	58.67	(56.67 - 60.65)	0.768
Indiana	47.2	(45.7 - 48.7)	53.48	(49.85 - 57.07)	0.002
Iowa	55.4	(53.6 - 57.2)	60.29	(56.59 - 63.87)	0.020
Kansas	52.4	(50.9 - 53.9)	59.93	(56.29 - 63.46)	0.000
Kentucky	40.9	(38.9 - 42.9)	41.74	(38.27 - 45.29)	0.685
Louisiana	48.9	(47.2 - 50.6)	50.38	(46.69 - 54.06)	0.476
Maine	57.2	(55.7 - 58.6)	60.18	(56.59 - 63.66)	0.130
Maryland	54.6	(53.0 - 56.2)	56.03	(52.00 - 59.98)	0.516
Massachusetts	65.6	(64.4 - 66.8)	68.30	(64.97 - 71.45)	0.133
Michigan	55.7	(54.1 - 57.2)	59.27	(57.19 - 61.32)	0.007
Minnesota	59.6	(57.6 - 61.6)	63.62	(59.92 - 67.15)	0.060
Mississippi	36.1	(34.3 - 37.8)	44.40	(40.88 - 47.97)	0.000
Missouri	47.7	(45.4 - 50.0)	54.51	(50.83 - 58.14)	0.002
Montana	57.0	(55.0 - 59.0)	61.89	(58.17 - 65.48)	0.023
Nebraska	59.0	(57.3 - 60.7)	55.97	(52.21 - 59.67)	0.146
Nevada	56.7	(53.9 - 59.4)	58.98	(54.96 - 62.87)	0.356
New Hampshire	64.3	(62.7 - 66.0)	68.42	(64.85 - 71.78)	0.040
New Jersey	56.2	(54.9 - 57.6)	59.98	(56.30 - 63.55)	0.058
New Mexico	48.5	(46.7 - 50.4)	49.16	(45.32 - 53.01)	0.761
New York	58.2	(56.9 - 59.6)	59.53	(57.37 - 61.65)	0.306
North Carolina	44.1	(42.6 - 45.5)	52.82	(49.15 - 56.46)	0.000
North Dakota	58.5	(56.4 - 60.6)	64.08	(60.49 - 67.52)	0.009
Ohio	53.2	(51.7 - 54.7)	56.90	(54.78 - 58.99)	0.005
Oklahoma	40.0	(38.5 - 41.6)	50.69	(46.73 - 54.64)	0.000
Oregon	58.2	(56.1 - 60.3)	65.33	(61.76 - 68.72)	0.001
Pennsylvania	54.2	(52.9 - 55.6)	59.18	(56.86 - 61.46)	0.000
Rhode Island	62.7	(60.8 - 64.5)	65.47	(61.44 - 69.29)	0.217
South Carolina	42.6	(40.6 - 44.5)	49.51	(45.81 - 53.23)	0.001
South Dakota	58.2	(56.3 - 60.0)	62.30	(58.55 - 65.90)	0.054
Tennessee	28.2	(26.1 - 30.3)	43.39	(39.60 - 47.26)	0.000
Texas	49.9	(48.4 - 51.5)	53.48	(51.36 - 55.58)	0.008
Utah	25.0	(23.8 - 26.2)	28.93	(25.78 - 32.31)	0.022
Vermont	63.9	(62.3 - 65.5)	65.78	(62.20 - 69.18)	0.343
Virginia	54.1	(51.3 - 56.8)	55.94	(52.25 - 59.58)	0.431
Washington	59.3	(58.3 - 60.4)	61.33	(57.66 - 64.88)	0.294
West Virginia	27.6	(25.7 - 29.5)	42.64	(38.95 - 46.42)	0.000
Wisconsin	66.0	(63.8 - 68.1)	69.00	(65.58 - 72.23)	0.142
Wyoming	51.0	(49.1 - 52.9)	56.62	(52.84 - 60.33)	0.009

NOTE: NSDUH estimates along with 95 percent Bayesian confidence (credible) intervals are based on a survey-weighted hierarchical Bayes estimation approach and are generated by Markov Chain Monte Carlo techniques.

BRFSS estimates are based on a survey-weighted direct estimation approach.

NOTE: *p* value: Probability of no difference between the BRFSS and NSDUH estimates.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009-2010 (Revised March 2012); CDC, Behavioral Risk Factor Surveillance System, 2010.

Table D.2 Cigarette Use among Persons Aged 18 or Older, by State: Percentages, Annual Averages Based on 2010 BRFSS and 2009-2010 NSDUHs

State	2010 BRFSS ¹ (Estimate)	2010 BRFSS ¹ (95% Confidence Interval)	2009-2010 NSDUH ² (Estimate)	2009-2010 NSDUH ² (95% Confidence Interval)
Alabama	21.9	(20.4 - 23.4)	29.00	(26.33 - 31.83)
Alaska	20.4	(17.3 - 23.4)	28.34	(25.32 - 31.56)
Arizona	15.0	(13.3 - 16.8)	23.78	(21.10 - 26.68)
Arkansas	22.9	(20.6 - 25.2)	30.10	(27.27 - 33.09)
California	12.1	(11.4 - 12.8)	19.88	(18.42 - 21.43)
Colorado	16.0	(14.9 - 17.1)	22.41	(19.95 - 25.09)
Connecticut	13.2	(11.8 - 14.6)	22.64	(20.01 - 25.50)
Delaware	17.3	(15.5 - 19.1)	25.08	(22.40 - 27.98)
District of Columbia	15.6	(14.1 - 17.2)	24.63	(21.86 - 27.62)
Florida	17.1	(16.1 - 18.1)	23.70	(21.86 - 25.30)
Georgia	17.6	(16.0 - 19.2)	23.96	(21.25 - 26.89)
Hawaii	14.5	(13.2 - 15.8)	20.94	(18.44 - 23.67)
Idaho	15.7	(14.3 - 17.0)	25.44	(22.88 - 28.18)
Illinois	16.9	(15.3 - 18.5)	26.11	(24.62 - 27.66)
Indiana	21.2	(19.9 - 22.5)	27.67	(25.05 - 30.45)
Iowa	16.1	(14.8 - 17.5)	26.96	(24.25 - 29.85)
Kansas	17.0	(15.8 - 18.2)	25.40	(22.92 - 28.06)
Kentucky	24.8	(23.1 - 26.5)	31.88	(28.95 - 34.96)
Louisiana	22.1	(20.6 - 23.6)	27.83	(25.01 - 30.84)
Maine	18.2	(17.0 - 19.5)	26.16	(23.49 - 29.01)
Maryland	15.2	(14.0 - 16.5)	21.02	(18.40 - 23.91)
Massachusetts	14.1	(13.2 - 15.0)	21.87	(19.57 - 24.37)
Michigan	18.9	(17.7 - 20.2)	27.71	(26.17 - 29.32)
Minnesota	14.9	(13.5 - 16.3)	24.69	(22.23 - 27.34)
Mississippi	22.9	(21.4 - 24.5)	29.49	(26.73 - 32.42)
Missouri	21.1	(19.2 - 22.9)	29.11	(26.36 - 32.03)
Montana	18.8	(17.1 - 20.5)	26.21	(23.64 - 28.95)
Nebraska	17.2	(15.8 - 18.7)	25.68	(23.10 - 28.44)
Nevada	21.3	(19.1 - 23.6)	25.48	(22.60 - 28.60)
New Hampshire	16.9	(15.5 - 18.2)	25.60	(22.98 - 28.41)
New Jersey	14.4	(13.4 - 15.4)	22.63	(20.05 - 25.43)
New Mexico	18.5	(16.8 - 20.1)	23.92	(21.37 - 26.68)
New York	15.5	(14.4 - 16.5)	22.53	(21.06 - 24.08)
North Carolina	19.8	(18.5 - 21.1)	27.89	(25.10 - 30.87)
North Dakota	17.4	(15.7 - 19.1)	23.94	(21.47 - 26.60)
Ohio	22.5	(21.2 - 23.9)	27.35	(25.76 - 29.00)
Oklahoma	23.7	(22.3 - 25.0)	30.95	(27.93 - 34.14)
Oregon	15.1	(13.5 - 16.7)	25.35	(22.79 - 28.10)
Pennsylvania	18.4	(17.4 - 19.5)	26.53	(24.89 - 28.23)
Rhode Island	15.7	(14.3 - 17.1)	24.66	(22.05 - 27.48)
South Carolina	21.0	(19.1 - 22.8)	28.31	(25.44 - 31.37)
South Dakota	15.4	(14.0 - 16.8)	26.71	(23.93 - 29.68)
Tennessee	20.1	(18.3 - 21.8)	29.73	(26.79 - 32.84)
Texas	15.8	(14.6 - 17.0)	23.72	(22.19 - 25.32)
Utah	9.1	(8.2 - 10.0)	17.17	(14.85 - 19.78)
Vermont	15.4	(14.1 - 16.6)	23.57	(21.05 - 26.28)
Virginia	18.5	(16.0 - 21.0)	24.21	(21.76 - 26.85)
Washington	15.2	(14.4 - 16.0)	24.17	(21.74 - 26.76)
West Virginia	26.8	(25.0 - 28.6)	33.86	(30.71 - 37.15)
Wisconsin	19.1	(17.0 - 21.1)	24.96	(22.46 - 27.65)
Wyoming	19.5	(18.0 - 21.1)	26.98	(24.29 - 29.84)

NOTE: NSDUH estimates along with 95 percent Bayesian confidence (credible) intervals are based on a survey-weighted hierarchical Bayes estimation approach and are generated by Markov Chain Monte Carlo techniques.

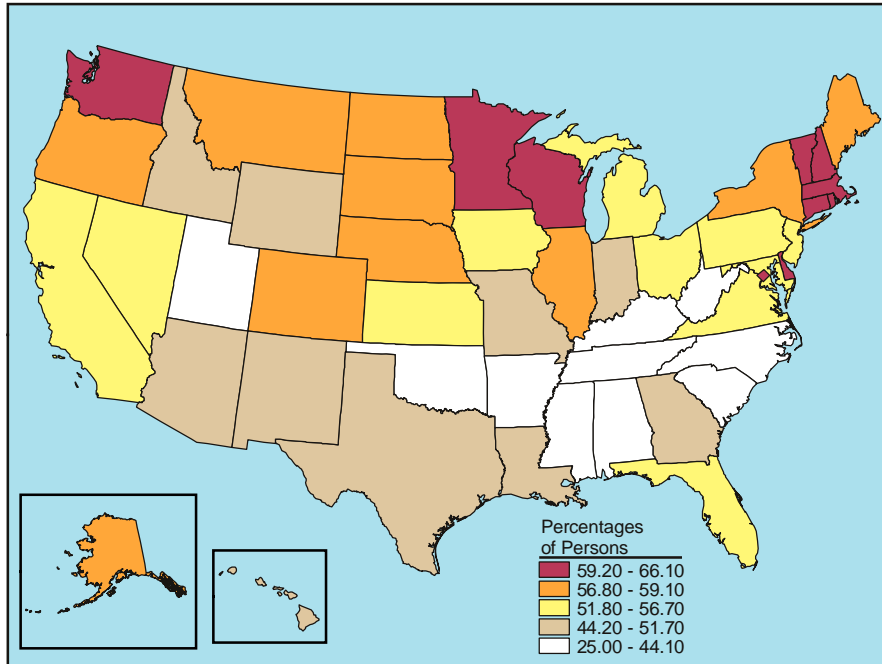
BRFSS estimates are based on a survey-weighted direct estimation approach.

¹BRFSS respondents were classified as current smokers if they reported having smoked at least 100 cigarettes during their lifetime and indicated that they smoked every day or some days at the time of the survey.

²NSDUH respondents were classified as past month cigarette users if they smoked all or part of a cigarette during the past 30 days.

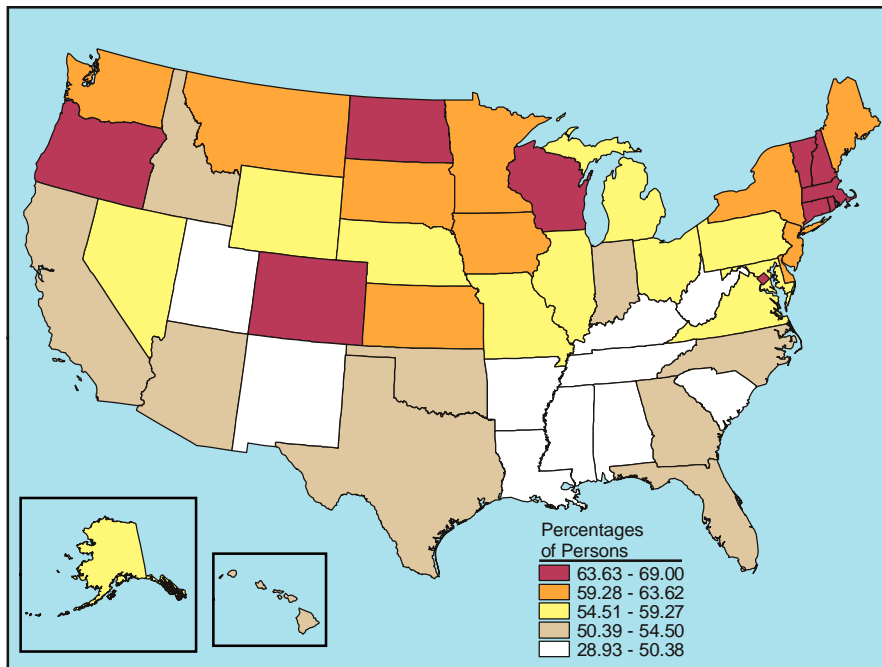
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009-2010 (Revised March 2012); CDC, Behavioral Risk Factor Surveillance System, 2010.

Figure D.1 *Alcohol Use in Past Month among Persons Aged 18 or Older, by State: Percentages, Annual Averages Based on 2010 BRFSS*



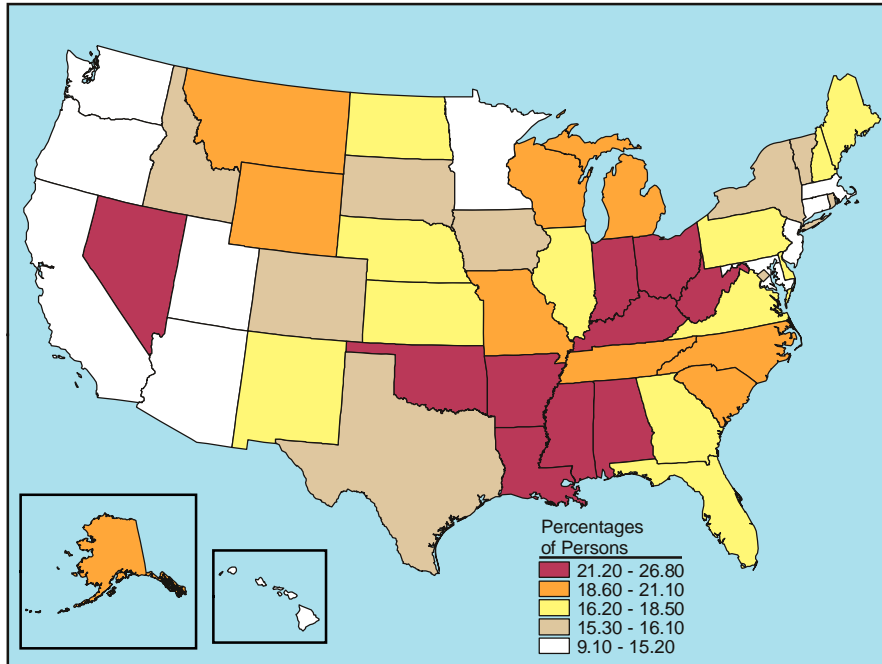
Source: Centers for Disease Control and Prevention (CDC), Behavioral Risk Factor Surveillance System Survey, 2010.

Figure D.2 *Alcohol Use in Past Month among Persons Aged 18 or Older, by State: Percentages, Annual Averages Based on 2009-2010 NSDUHs*



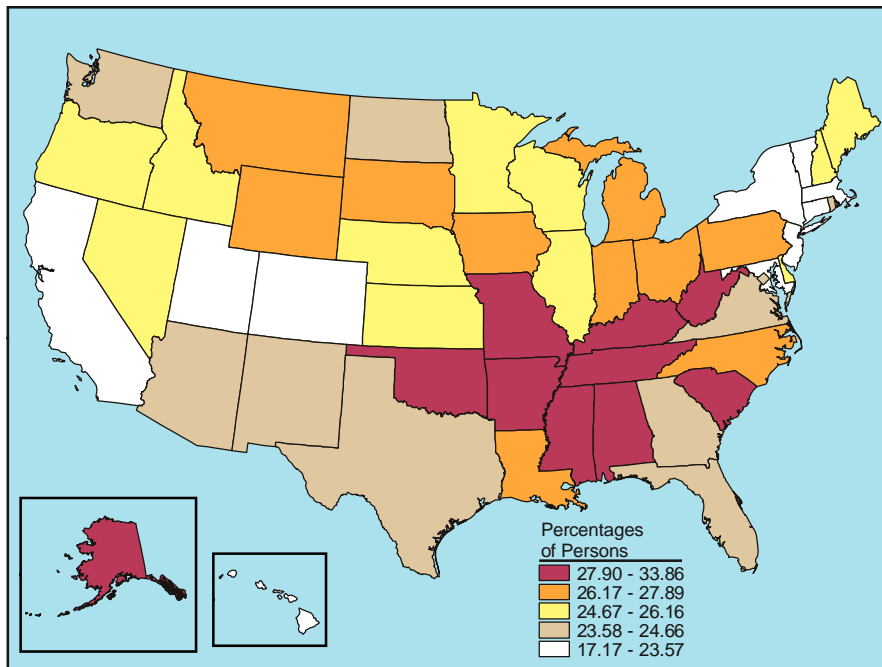
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Figure D.3 *Current Cigarette Use among Persons Aged 18 or Older, by State: Percentages, Annual Averages Based on 2010 BRFSS*



Source: Centers for Disease Control and Prevention (CDC), Behavioral Risk Factor Surveillance System Survey, 2010.

Figure D.4 *Cigarette Use in Past Month among Persons Aged 18 or Older, by State: Percentages, Annual Averages Based on 2009-2010 NSDUHs*



Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2009 and 2010 (Revised March 2012).

Appendix E: List of Contributors

This National Survey on Drug Use and Health (NSDUH) report was prepared by the Center for Behavioral Health Statistics and Quality (CBHSQ), Substance Abuse and Mental Health Services Administration (SAMHSA), U.S. Department of Health and Human Services (HHS), and by RTI International (a trade name of Research Triangle Institute), Research Triangle Park, North Carolina. Work by RTI was performed under Contract No. HHSS283200800004C.

At SAMHSA, Arthur Hughes and Pradip Muhuri were responsible for the content, analysis, and writing of the report, and Joseph C. Gfroerer reviewed and provided substantive revisions. At RTI, Neeraja S. Sathe and Kathryn Spagnola were responsible for the writing of the report, and Ralph E. Folsom and Akhil K. Vaish were responsible for the overall methodology and estimation for the model-based Bayes estimates and confidence intervals.

The following staff were responsible for generating the estimates and providing other support and analysis: Akhil K. Vaish, Neeraja S. Sathe, Kathryn Spagnola, and Brenda K. Porter. Ms. Spagnola provided oversight for production of the report. Mary Ellen Marsden reviewed the report; Richard S. Straw edited it; Debbie Bond, Valerie Garner, and Roxanne Snaauw formatted its text and tables; and Teresa F. Bass, Kimberly Cone, Danny Occoquan, Pamela Tuck, and Cheryl Velez prepared its print and Web versions. Justine L. Allpress, E. Andrew Jessup, and Shari B. Lambert prepared and processed the maps.

