

Substate Estimates from the 1999-2001 National Surveys on Drug Use and Health

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Substance Abuse and Mental Health Services Administration
Office of Applied Studies

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Section A: Overview and Findings

A.1. Introduction

This report presents estimates of substance use for substate areas defined by each State for the purpose of allocating the substance abuse treatment block grant funds from the Substance Abuse and Mental Health Services Administration (SAMHSA). Estimates are provided for each of the 331 substate areas representing collectively the 50 States and the District of Columbia. These estimates are based on combined data from the 1999-2001 National Surveys on Drug Use and Health (NSDUHs), formerly called the National Household Survey on Drug Abuse (NHSDA). The survey, sponsored by SAMHSA, collects information from residents of households, residents of noninstitutionalized group quarters (e.g., shelters, rooming houses, dormitories), and civilians living on military bases. In 1999-2001, NSDUH collected data from approximately 207,000 respondents aged 12 or older. The survey is stratified to obtain representative samples from all 50 States and the District of Columbia.

This report provides a more nuanced perspective to the variations in substance use rates both within and across States than was possible with previous State reports (Wright & Sathé, 2005). The 12 measures presented are marijuana use in past month, average annual rate of first use of marijuana, perceptions of great risk of smoking marijuana once a month, any illicit drug use in past month, any illicit drug use other than marijuana in past month, cocaine use in past year, alcohol use in past month, binge alcohol use in past month, perceptions of great risk of having five or more drinks of an alcoholic beverage once or twice a week, cigarette use in past month, any tobacco product use in past month, and perceptions of great risk of smoking one or more packs of cigarettes per day.

A.2. Format of the Report

Section A provides background on the survey, how substate areas were formed, the general methodological approach, and a brief discussion of the findings. Section B gives further information on the small area estimation (SAE) methodology. Section C includes the estimates for each of the 12 measures above and the corresponding prediction intervals (PIs). It also contains maps that show the prevalence of each outcome for each substate region on a national map. The tables have been ordered alphabetically by State, and the substate areas have been ordered alphabetically within each State. There are four separate tables, each having three related outcomes. Section D contains definitions of State planning areas. Section E includes the population counts for persons aged 12 or older for each substate area and the combined 1999, 2000 and 2001 NSDUH sample sizes. Users may find these counts helpful in calculating the weighted average prevalence estimate for any combination of substate areas. Section F lists the references. Refer to Appendix E (Tables E.18 to E.20) of the 2001 State report (Wright, 2003) for the 1999, 2000, and 2001 NSDUH response rates.

A.3. Overview: Substate Areas, Ranking Areas, and Small Area Estimation Methods

The substate areas for each State were developed in a series of communications between SAMHSA staff and State treatment representatives in the summer and fall of 2004 and in early 2005. The goal of the project was to provide substate-level estimates showing the geographic distribution of substance prevalence for areas that States would find useful for treatment planning purposes.¹ The final substate region boundaries were based on the individual recommendations of the State staff assuming the NSDUH sample sizes provided adequate precision. Most States defined areas in terms of counties or groups of counties. A few States defined the areas in terms of census tracts.

Maps and tables (612 maps and 204 tables) showing the substate estimates for each State separately will be available on the SAMHSA website at <http://oas.samhsa.gov/metro.htm>. National tables (12 total) showing estimates by age group (12 to 17, 18 to 25, and 26 or older) also will be available at this same Web location for those substate areas having sufficient precision.

For each measure in this report, the 331 substate areas have been ranked from lowest to highest and divided into seven categories designed to represent distributions that are somewhat symmetric, like a normal distribution—but flatter. Colors were assigned to all areas such that the third having the lowest prevalence are in blue, the middle third are in white, and the third with the highest prevalence are in red (the only exception being the three perception of risk outcomes, which have the highest estimates represented in blue and the lowest represented in red). To further discriminate among the areas that display relatively higher prevalence, the "highest" third has been further divided into three categories: dark red for the 15 areas with the highest estimates, medium red for the 30 areas with the next highest, and light red for the 65 areas with the next highest. The "lowest" third is categorized in a similar way, using three distinct shades of blue. Due to tied values of prevalence, the number of substate regions in each category can vary.

Estimates in this report are based on hierarchical Bayes estimation methods that combine survey data with a national model. Applying this methodology to the State substance use measures has been shown to result in more precise estimates than using the sample-based results alone (Wright, 2002). The methodology used to produce estimates in this report is the same as that used to produce State estimates from the NSDUH data since 1999. Sample data have been combined across 3 years (1999-2001) to improve the precision of substate area estimates. The estimate for each area is accompanied by a 95 percent PI (for more details, see Section B, Substate Region Estimation Methodology).

¹ The treatment planning areas defined for this project were those that the States specified in the SAMHSA and Center for Substance Abuse Treatment (CSAT) block grant application process. There is extensive variation in treatment planning areas across States. In some States, the planning areas are used more for administrative purposes rather than for planning purposes. In a number of States, the designated planning areas changed frequently in recent years. Because the estimation method required a minimum NSDUH sample size of 250 to provide adequate precision, planning areas with insufficient sample were collapsed with adjacent areas until the minimum was obtained.

In addition to the substate area estimates, comparable estimates are provided for the 50 States and the District of Columbia using the same methodology. Because these estimates are based on 3 years' data, they are not directly comparable with the State estimates in earlier reports that are based on only 2 consecutive years. However, if the national map based on the substate areas is compared with one of the national maps based on 2000-2001 data, it can be seen that most of the States with significant areas in dark red correspond to States that were in the highest fifth in 2000-2001. For example, the 10 States with the highest estimates of past month use of marijuana among persons aged 12 or older were Alaska, Colorado, Connecticut, Delaware, Maine, Massachusetts, New Hampshire, Oregon, Rhode Island, and Vermont. Based on the 1999-2001 data, each of those States displays some areas in red, indicating a high prevalence level.

Because the SAE methods used here tend to borrow strength from both the national model and the State-level random effects, substate estimates with sample sizes that were closer to the minimum (250) tend to be shrunk more toward the corresponding State prevalence estimate than substate areas with large sample sizes. This results generally in exaggerating the clustering of substate estimates around their State means. Relatively high estimates for small substate areas tend to be pulled down, while relatively low estimates tend to be pulled up. In most cases, the larger the fraction of a State's population contained in a substate area, the more the substate area estimate will tend toward the State mean.

A.4. Discussion of Findings

The substate-level estimates provide for the first time a picture of the dispersion in substance use within States and across the United States. At the State level, planners can use the information to tailor programs to the range of prevalence. However, it is important to note that the range within each State is greatly influenced by the total number of sample observations for the State and the number of substate areas that can support estimation. Some of the large States such as Ohio specified 20 or more areas, while others such as New York only specified two. Because of this, States like Ohio and Pennsylvania often can display more of the diversity of prevalence levels.

Where States share a border, a smoother transition was expected; however, the boundaries at borders often appear to be abrupt. For example, the northernmost area in Idaho (Region 1) was in the lowest group of past year cocaine use, while the neighboring areas in Washington and Montana displayed higher rates. However, many of these apparent differences tended to fall within sampling error. This was not the case for Colorado (Regions 1 and 4) and Nebraska (Regions 1 and 2) or Oklahoma (Northwest and Southwest) and Texas (Region 1), where the apparent differences exceeded sampling error.

Generally, related measures of substance use had relatively similar distributions across substate areas. This was true for related measures, such as past month alcohol use and past month binge alcohol use; past month marijuana use and average annual rates of first use of marijuana (marijuana incidence); past month use of any illicit drug and past month marijuana use (marijuana being the most common illicit drug); and past month use of a substance (cigarettes, binge use of alcohol, and marijuana) and perceptions of great risk of using that substance. However, the patterns for the use of marijuana, cocaine, alcohol, and cigarettes were quite

different. The maps for past month use of alcohol and binge use of alcohol show the heavier alcohol levels more typical of areas in the Northern United States. Higher rates of past month cigarette use were more clustered in the South and Midwest. Past month marijuana use was relatively high in the Northeast and in the West and low in the Midwest and the South. However, both Idaho and Utah reported low levels of marijuana use compared with other Western States. Substate regions in five States (Colorado, Delaware, District of Columbia, Massachusetts, and New Mexico) were in the highest group for past year use of cocaine, whereas substate regions in eight States (California, Colorado, the District of Columbia, Hawaii, Massachusetts, Oregon, Rhode Island, and Vermont) had the highest levels of past month marijuana use. By this measure, cocaine use was more clustered than past month marijuana use.

The distribution of substance use in the United States is likely to be a function of many factors, including attitudes toward substance use, various socioeconomic factors, supply of and demand for the substances, extent of law enforcement activities, and the effectiveness of various prevention, treatment, and mental health programs. Data from these other sources need to be analyzed in conjunction with the different substance use measures in order to better understand the underlying dynamics of the process.

In 2006, SAMHSA will produce a second set of substate estimates for the above treatment planning areas that also will reflect any State geographic changes in the interim. Estimates will be made for approximately 20 substance use measures, including the ones in this report, plus measures of alcohol and illicit drug dependence and abuse, and serious mental illness (SMI). The estimates will be based on data from the combined 2002-2004 NSDUHs. To the extent that States maintain their current definitions of substate treatment planning areas, the newer estimates can be compared with the earlier ones. Given that a number of methodological changes occurred in the NSDUH procedures between 2001 and 2002, including a \$30 incentive for completing the survey, the estimates for 2002-2004 will be higher than those for 1999-2001. The differences in prevalence between those two periods, therefore, cannot be interpreted as a true trend for that period. Nevertheless, by comparing the substate differences with comparable changes in the national prevalence estimates for those two periods, analysts should be able to draw some conclusions for substate areas that show significant differences, assuming that the methodological effect is reasonably constant across all States.

Section B: Substate Region Estimation

Methodology

This report includes substate region level estimates of 12 substance use measures (see Section B.1) using the combined data from the 1999, 2000, and 2001 National Surveys on Drug Use and Health (NSDUHs).

The survey-weighted hierarchical Bayes (SWHB) methodology used in the production of State estimates from the 1999-2003 surveys also was used in the production of the 1999-2001 substate estimates. The SWHB methodology is described by Folsom, Shah, and Vaish (1999). A brief discussion of the precision and validation of the estimates and interpretation of the predication intervals (PIs) is given in Section B.1. Section B.2 lists the 12 substance use measures for which substate-level small area estimates were produced. The list of predictors used in the 1999-2001 substate-level small area estimation (SAE) modeling is given in Section B.3. The improved methodology used to select relevant predictors is described in Section B.4. The goals of SAE modeling, general model description, and the implementation of SAE modeling remain the same and are described in Appendix E of the 2001 State report (Wright, 2003). A general model description is given in Section B.5.

Small area estimates obtained using the SWHB methodology are design consistent (i.e., for States or substates with large sample sizes, the small area estimates are close to the robust design-based estimates). The substate small area estimates when aggregated by using the appropriate population totals result in national small area estimates that are very close to the national design-based estimates. However, due to many reasons, such as 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 (see Appendix A, Section A.4, in Wright & Sathe, 2005).

B.1. Precision and Validation of the Estimates

The primary purpose of this report is to give policy officials a better perspective on the range of prevalence estimates within and across States. Because the data were collected in a consistent manner by field interviewers who adhered to the same procedures and administered the same questions across all states and substate areas, the results are comparable across the 50 States and the District of Columbia.

The 95 percent PI associated with each estimate provides a measure of the accuracy of the estimate. It defines the range within which the true value can be expected to fall 95 percent of the time. For example, the prevalence of past month use of marijuana in Region 1 in Alabama is approximately 3.8 percent, and the 95 percent PI ranges from 2.8 to 5.1 percent. Therefore, the probability is 0.95 that the true value is within that range. The PI indicates the uncertainty due to both sampling variability and model bias. The key assumption underlying the validity of the PIs is that the State- and substate-level error (or bias) terms in the models behave like random effects with zero means and common variance components.

A comparison of the standard errors (SEs) among substate areas with small ($n \leq 500$), medium ($500 < n \leq 1,000$), and large ($n > 1,000$) sample sizes for the 12 measures in this report shows that the small area estimates behave in predictable ways. Regardless of whether the substate area is from one of the eight States with a large annual sample size (3,000 to 4,000) or one of the other States ($n = 900$ annually), the sizes of the PIs are very similar and are primarily a function of the sample size of the substate area and the prevalence estimate of the measure. Substate areas with large sample sizes had the smallest SEs.

For past month use of alcohol, where the national prevalence for all persons aged 12 or older was 47.3 percent (for 1999-2001), the average relative standard error (RSE) was about 3.6 percent for substate areas with a sample size greater than 1,000.² For substate areas with sample sizes between 500 and 1,000 records, the average RSE was 5.1 percent; for sample sizes smaller than 500, the RSE average was 6.4 percent.

For past month use of marijuana (with a national prevalence of 5.1 percent), the average RSE was 10.5 percent for substate areas with large samples. For medium sample sizes, the average RSE was 14.0 percent, and for samples smaller than 500, the RSE was 16.3 percent. Substance measures with the lowest prevalence, such as past year use of cocaine (1.7 percent nationally), displayed the highest average RSE. For sample sizes greater than 1,000, the average RSE was 15.6 percent. For substate areas of medium sample sizes, the average RSE was 19.0 percent, and for samples smaller than 500, the average RSE was 20.2 percent.

The SAE methods used for substate regions in this report were previously validated for the NSDUH State-by-age group small area estimates (Wright, 2002). This validation exercise used direct estimates from pairs of large sample states ($n = 7,200$) as internal benchmarks. These internal benchmarks were compared with small area estimates based on random subsamples ($n = 900$) that mimicked a single year small State sample. The associated age group-specific small area estimates were based on sample sizes targeted at $n = 300$. Therefore, validation of the State-by-age group small area estimates should lend some validity to the small sample size substate small area estimates reported here.

Further validation of the substate region small area estimates is being pursued. It may be possible to compare the NSDUH substate estimates with those from State-sponsored surveys having similar data collection procedures. Internal benchmarking to direct NSDUH estimates also is possible for seven of the largest sample substate areas. Pooling of substate areas with similar characteristics also could yield useful benchmarks.

B.2. Variables Modeled

Substate-level small area estimates were produced for the following set of 12 binary (0, 1) substance use measures, using the 1999-2001 NSDUHs:

1. Marijuana Use in Past Month
2. Average Annual Rate of First Use of Marijuana

² The RSE of an estimate is the posterior SE divided by the estimate itself. Therefore, if the RSE was 3.6 percent and the estimate of past month alcohol use for large substate areas was 47.3 percent, then the SE would be 0.017 (0.036 times 0.473).

3. Perceptions of Great Risk of Smoking Marijuana Once a Month
4. Any Illicit Drug Use in Past Month
5. Any Illicit Drug Use Other than Marijuana in Past Month
6. Cocaine Use in Past Year
7. Alcohol Use in Past Month
8. Binge Alcohol Use in Past Month
9. Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week
10. Cigarette Use in Past Month
11. Any Tobacco Product Use in Past Month
12. Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day

B.3. Predictors Used in Logistic Regression Models

Local area data used as potential predictor variables in the mixed logistic regression models were obtained from several sources, including Claritas, the U.S. Bureau of the Census, the Federal Bureau of Investigation (FBI) (Uniform Crime Reports), Health Resources and Services Administration (Area Resource File), 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 list of sources of data used in the modeling is provided below.

- *Claritas*. The demographic data package called Building Block Basic, Age by Race for 2000, 2002 and projections to 2007.
- *U.S. Bureau of the Census*. The 2000 census (demographic and socioeconomic variables) and 1999 and 2000 food stamp participation rates.
- *Federal Bureau of Investigation*. Uniform Crime Report (UCR) arrest totals from <http://fisher.lib.Virginia.EDU/collections/stats/crime/>. The 1998, 2000, and 2001 data were used.
- *Health Resources and Services Administration*. Some variables relating to income and employment from the Area Resource File (ARF) February 2001, 2002, and 2003 releases from the Bureau of Health Professions, Office of Research and Planning.
- *National Center for Health Statistics*. Mortality data using International Classification of Diseases, 10th revision (ICD-10), 1999-2001. The ICD-10 death rate data are from the National Center for Health Statistics at the Centers for Disease Control and Prevention.
- *SAMHSA, Office of Applied Studies*. National Survey of Substance Abuse Treatment Services (N-SSATS), formerly known as Uniform Facility Data Set (UFDS), 1997-2002 data on drug and alcohol treatment rates are from Synectics for Management Decisions, Inc.

To obtain a detailed list of predictors, please see Appendix A, Section A.2, of the 2002-2003 State estimates report (Wright & Sathe, 2005).

B.4. Selection of Independent Variables for the Models

To produce small area estimates based on the pooled 1999-2001 NSDUH data, the fixed effect predictors were selected using the following methodology:

1. There were 207,399 respondents in the pooled 1999-2001 NSDUH data. Any variable selection performed on such a large dataset would result in an excessive number of predictors in the final model. To avoid this and build parsimonious models, the pooled data were randomly partitioned into modeling and validation samples in such a way that both samples contained respondents from all the survey years. This data partitioning scheme minimized the chance of selecting year-specific predictors at the first stage of modeling. The modeling sample was first used to get a preliminary list of significant predictors using the variable selection methodology described below. These predictors were further reduced by using SUDAAN[®] logistic regression on the validation dataset resulting in parsimonious models (RTI, 2001). The modeling sample (hence referred to as sample 1) had 136,732 respondents, whereas the validation sample (hence referred to as sample 2) had 70,667 respondents.
2. Separate SAS[®] stepwise logistic regression models were fit to sample 1 for all outcomes by four age group domains. The input list to these models included all linear polynomials (constructed from continuous predictor variables) and other categorical or indicator variables. All predictors that were significant at 5 percent (except in a few cases, where the 10 percent level was chosen) then were input to the 3rd step of variable selection.
3. Using sample 1, almost all significant predictors from step 2 then were input to AnswerTree[®] to identify significant higher order (at most three-way) interaction terms. AnswerTree[®] is an SPSS[®] software package that uses decision-tree algorithms to build classification systems. The exhaustive chi-squared automatic interaction detector algorithm (CHAID) was used to create the trees. The constraints for making a tree were maximum depth = 3; minimum number of records in parent node = 1,000; minimum number of records in child node = 300; and splitting criterion = 3 percent.
4. All the significant variables from step 2 along with their corresponding higher order polynomials (quadratic and cubic), interaction of gender with race, and the significant interactions detected by AnswerTree[®] in step 3 then were input to SAS[®] stepwise logistic regression models, run on sample 1. All predictors that remained significant at 5 percent (except in a few cases, where the 10 percent level was chosen) then were input to the 5th step of variable selection.
5. All significant variables from step 4 were input to SUDAAN[®] logistic regression models fit to the validation sample 2, and predictors that remained significant at the 5 percent level were input to PROC GIBBS and PROC GSTAT software. In all mixed logistic models, race and gender main effects were forced.

B.5. General Model Description

The model described here is similar to the logistic mixed hierarchical Bayes (HB) model that has been used successfully since the 1999 NSDUH to produce age group–specific small area estimates for the 50 States and the District of Columbia. The following model was used:

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

where π_{aijk} is the probability of engaging in the behavior of interest (e.g., to use marijuana in the past month) for person- k belonging to age group- a in substate region- j of State- i . Let x_{aijk} denote a $p_a \times 1$ vector of auxiliary variables associated with age group- a 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 race/ethnicity and gender. The vectors of random effects $\eta_i = (\eta_{1i}, \dots, \eta_{Ai})'$ and $v_{ij} = (v_{1ij}, \dots, v_{Aij})'$ 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 HB estimation purposes, an improper uniform prior distribution is assumed for β_a , and proper inverse Wishart prior distributions are assumed for D_η and D_v . 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 distribution. The basic process is described in Folsom et al. (1999), Shah, Barnwell, Folsom, and Vaish (2000), and Wright (2003).

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 by race/ethnicity by 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- and substate-level small area estimates for the desired age group(s). These small area estimates then are benchmarked to the national design-based estimates (see Appendix A, Section A.4, in Wright & Sathe, 2005).

B.6. Calculation of Average Annual Rate (Incidence) of First Use of Marijuana

Incidence rates are typically calculated as the number of new initiates of a substance during a period of time (such as in the past year) divided by the estimate of the number of person years of exposure (in thousands). The incidence definition in this report is the result of a simpler definition based on the model-based methodology and is as follows:

$$\text{Average annual incidence rate} = \{(\text{Number of marijuana initiates in past 24 months}) / [(\text{Number of marijuana initiates in past 24 months} * 0.5) + \text{Number of persons who never used marijuana}]\} / 2.$$

For details on calculating the average annual rate of first use of marijuana, see Appendix A, Section A.6, of the 2002-2003 State estimates report (Wright & Sathe, 2005).

Section C: Tables and Maps of Model-Based Estimates for Substate Regions

Table C1. Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

State/Substate Region	Marijuana Use in Past Month		Average Annual Rate of First Use of Marijuana ¹		Perceptions of Great Risk of Smoking Marijuana Once a Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
National	5.09		1.59		43.42	
Alabama	3.74	(3.07 - 4.54)	1.32	(1.15 - 1.52)	50.63	(47.70 - 53.56)
Region 1	3.82	(2.84 - 5.11)	1.22	(0.94 - 1.57)	50.29	(45.59 - 54.98)
Region 2	3.58	(2.70 - 4.74)	1.15	(0.90 - 1.47)	50.72	(46.56 - 54.87)
Region 3	4.07	(3.00 - 5.49)	1.64	(1.29 - 2.08)	50.34	(45.65 - 55.02)
Region 4	3.58	(2.61 - 4.90)	1.43	(1.13 - 1.80)	51.16	(46.24 - 56.06)
Alaska	7.33	(6.24 - 8.58)	2.16	(1.88 - 2.49)	34.06	(31.50 - 36.72)
Gulf Coast	6.98	(5.05 - 9.57)	1.70	(1.25 - 2.32)	35.72	(31.07 - 40.65)
Rural	6.95	(4.97 - 9.63)	2.91	(2.03 - 4.16)	43.02	(38.05 - 48.14)
Southeast	7.78	(5.73 - 10.47)	2.09	(1.55 - 2.81)	36.14	(31.27 - 41.30)
Urban	7.37	(6.15 - 8.81)	2.13	(1.79 - 2.54)	31.89	(28.98 - 34.96)
Arizona	4.75	(3.91 - 5.75)	1.69	(1.47 - 1.95)	43.78	(40.88 - 46.72)
Maricopa	4.74	(3.78 - 5.92)	1.48	(1.22 - 1.79)	42.60	(39.15 - 46.12)
Pima	5.63	(4.13 - 7.62)	2.27	(1.75 - 2.95)	41.75	(37.07 - 46.57)
Rural North	4.04	(2.78 - 5.85)	2.08	(1.54 - 2.79)	47.30	(42.03 - 52.63)
Rural South	4.26	(2.91 - 6.20)	1.61	(1.22 - 2.14)	49.06	(43.78 - 54.36)
Arkansas	4.35	(3.64 - 5.19)	1.42	(1.25 - 1.62)	48.50	(45.90 - 51.11)
Areas 1 and 5	5.18	(3.91 - 6.83)	1.39	(1.07 - 1.80)	48.03	(43.51 - 52.58)
Areas 2 and 3	3.32	(2.34 - 4.70)	1.08	(0.81 - 1.45)	53.65	(48.44 - 58.78)
Areas 4 and 7	4.21	(3.08 - 5.73)	1.63	(1.27 - 2.09)	50.58	(46.00 - 55.15)
Area 6	5.01	(3.71 - 6.72)	2.20	(1.65 - 2.93)	43.99	(39.07 - 49.04)
Areas 8 and 12	3.82	(2.70 - 5.37)	1.10	(0.82 - 1.48)	51.43	(46.58 - 56.26)
Area 9	4.43	(3.32 - 5.90)	1.61	(1.26 - 2.04)	41.55	(37.27 - 45.96)
Areas 10, 11, and 13	4.03	(2.85 - 5.67)	1.20	(0.90 - 1.60)	52.47	(47.54 - 57.35)
California	6.25	(5.67 - 6.88)	1.58	(1.46 - 1.71)	40.22	(38.64 - 41.83)
Region 1	8.79	(6.56 - 11.68)	2.20	(1.65 - 2.93)	36.23	(31.62 - 41.10)
Region 2	8.93	(7.10 - 11.17)	2.28	(1.89 - 2.76)	34.89	(31.35 - 38.61)
Region 3	7.02	(5.35 - 9.17)	1.74	(1.38 - 2.18)	44.37	(40.10 - 48.74)
Region 4	9.24	(7.05 - 12.01)	1.47	(1.12 - 1.92)	33.52	(29.26 - 38.07)
Region 5	7.40	(5.84 - 9.34)	1.53	(1.23 - 1.89)	35.29	(31.63 - 39.12)
Region 6 (Santa Clara)	5.18	(3.87 - 6.91)	1.37	(1.08 - 1.73)	37.28	(33.41 - 41.33)
Region 7	7.24	(5.38 - 9.68)	1.87	(1.43 - 2.45)	40.31	(35.86 - 44.94)
Region 8	6.82	(5.23 - 8.84)	1.76	(1.41 - 2.18)	46.37	(42.46 - 50.32)
Region 9	5.87	(4.49 - 7.66)	1.68	(1.30 - 2.16)	42.08	(37.88 - 46.40)
Region 10	6.27	(4.63 - 8.43)	1.85	(1.44 - 2.39)	36.78	(32.58 - 41.19)
Region 11 (Los Angeles)	4.90	(4.11 - 5.84)	1.32	(1.15 - 1.52)	44.10	(41.64 - 46.58)
Region 12	5.70	(4.46 - 7.26)	1.94	(1.58 - 2.38)	43.21	(39.60 - 46.90)
Region 13 (Riverside)	5.19	(3.86 - 6.95)	1.77	(1.41 - 2.22)	42.74	(38.45 - 47.14)
Region 14 (Orange)	4.85	(3.74 - 6.26)	1.29	(1.03 - 1.62)	38.80	(35.17 - 42.57)
Region 15	6.26	(4.96 - 7.86)	1.53	(1.23 - 1.90)	39.00	(35.36 - 42.76)

See notes at end of table.

(continued)

Table C1. Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Marijuana Use in Past Month		Average Annual Rate of First Use of Marijuana ¹		Perceptions of Great Risk of Smoking Marijuana Once a Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Colorado	7.89	(6.77 - 9.17)	1.89	(1.62 - 2.20)	33.43	(30.76 - 36.22)
Regions 1 and 4	6.28	(4.83 - 8.13)	1.91	(1.48 - 2.47)	35.38	(30.95 - 40.07)
Region 2	8.01	(6.53 - 9.78)	1.83	(1.47 - 2.27)	33.12	(29.64 - 36.78)
Region 3	8.00	(5.89 - 10.78)	1.62	(1.18 - 2.22)	35.25	(30.59 - 40.21)
Regions 5 and 6	8.37	(6.31 - 11.02)	1.95	(1.45 - 2.63)	33.89	(29.16 - 38.98)
Region 7 (Boulder)	10.33	(7.89 - 13.41)	2.83	(2.05 - 3.91)	25.91	(21.80 - 30.50)
Connecticut	5.66	(4.73 - 6.76)	1.70	(1.47 - 1.97)	38.69	(35.92 - 41.53)
Eastern	6.41	(4.82 - 8.48)	2.14	(1.61 - 2.85)	35.31	(30.46 - 40.49)
North Central	5.71	(4.40 - 7.37)	1.81	(1.44 - 2.26)	38.51	(34.46 - 42.72)
Northwestern	5.08	(3.63 - 7.06)	1.28	(0.94 - 1.74)	40.92	(35.97 - 46.05)
South Central	6.05	(4.60 - 7.92)	1.62	(1.23 - 2.14)	39.43	(34.96 - 44.08)
Southwest	5.15	(3.76 - 7.03)	1.78	(1.35 - 2.35)	38.15	(33.47 - 43.07)
Delaware	6.54	(5.55 - 7.69)	2.10	(1.84 - 2.40)	38.31	(35.57 - 41.13)
Kent	5.50	(4.10 - 7.34)	2.29	(1.79 - 2.93)	41.37	(36.82 - 46.07)
New Castle	7.54	(6.26 - 9.05)	2.32	(1.98 - 2.72)	35.44	(32.25 - 38.76)
Sussex	4.21	(3.06 - 5.77)	1.35	(1.05 - 1.73)	44.87	(40.20 - 49.64)
District of Columbia	5.90	(4.93 - 7.04)	1.64	(1.41 - 1.90)	39.11	(36.32 - 41.97)
Ward 1	6.68	(4.76 - 9.29)	1.70	(1.25 - 2.32)	37.57	(32.86 - 42.53)
Ward 2	8.45	(6.34 - 11.17)	2.62	(1.96 - 3.49)	31.12	(27.07 - 35.48)
Ward 3	5.88	(4.21 - 8.16)	1.48	(1.07 - 2.05)	28.95	(24.43 - 33.93)
Ward 4	4.20	(2.93 - 5.98)	1.19	(0.89 - 1.60)	45.37	(40.10 - 50.73)
Ward 5	4.95	(3.53 - 6.90)	1.29	(0.95 - 1.75)	44.75	(39.74 - 49.87)
Ward 6	5.71	(3.99 - 8.12)	1.37	(0.99 - 1.88)	34.96	(30.37 - 39.84)
Ward 7	5.20	(3.80 - 7.08)	1.26	(0.94 - 1.69)	48.56	(43.59 - 53.56)
Ward 8	5.98	(4.27 - 8.31)	2.40	(1.73 - 3.33)	44.53	(39.37 - 49.81)
Florida	4.84	(4.33 - 5.42)	1.23	(1.13 - 1.34)	47.40	(45.77 - 49.04)
District 1	5.68	(4.23 - 7.60)	1.78	(1.37 - 2.30)	42.90	(38.50 - 47.42)
District 2	6.09	(4.56 - 8.09)	1.39	(1.05 - 1.84)	45.66	(41.14 - 50.26)
District 3	6.06	(4.45 - 8.21)	1.72	(1.30 - 2.27)	45.67	(41.01 - 50.40)
District 4	5.75	(4.46 - 7.39)	1.49	(1.20 - 1.85)	42.64	(38.82 - 46.56)
District 7	4.98	(3.94 - 6.28)	1.33	(1.09 - 1.63)	43.38	(39.94 - 46.88)
District 8	3.73	(2.74 - 5.06)	0.94	(0.75 - 1.20)	49.03	(44.27 - 53.80)
District 9 (Palm Beach)	4.66	(3.53 - 6.11)	1.16	(0.92 - 1.46)	45.33	(41.00 - 49.74)
District 10 (Broward)	4.97	(3.76 - 6.54)	1.36	(1.09 - 1.69)	45.04	(41.17 - 48.98)
District 11	4.39	(3.47 - 5.54)	0.93	(0.76 - 1.13)	58.12	(55.04 - 61.14)
District 12	3.72	(2.69 - 5.12)	1.13	(0.86 - 1.48)	46.03	(40.96 - 51.19)
District 13	3.68	(2.63 - 5.13)	1.10	(0.83 - 1.45)	51.78	(46.47 - 57.05)
District 14	4.14	(3.03 - 5.62)	1.22	(0.97 - 1.54)	52.54	(48.15 - 56.89)
District 15	4.34	(3.13 - 5.99)	1.56	(1.14 - 2.12)	44.77	(39.56 - 50.09)
Suncoast	5.19	(4.20 - 6.40)	1.17	(0.98 - 1.39)	45.00	(41.78 - 48.26)

See notes at end of table.

(continued)

Table C1. Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Marijuana Use in Past Month		Average Annual Rate of First Use of Marijuana ¹		Perceptions of Great Risk of Smoking Marijuana Once a Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Georgia	4.95	(4.05 - 6.04)	1.54	(1.34 - 1.76)	46.91	(44.10 - 49.74)
Central	3.70	(2.51 - 5.43)	1.03	(0.74 - 1.44)	53.26	(47.98 - 58.48)
East Central	5.10	(3.63 - 7.13)	1.37	(1.00 - 1.86)	49.11	(43.72 - 54.52)
Metro	5.96	(4.48 - 7.89)	1.79	(1.42 - 2.25)	42.18	(38.11 - 46.36)
North	4.71	(3.44 - 6.42)	1.60	(1.26 - 2.03)	46.22	(41.98 - 50.51)
Southeast	4.24	(2.89 - 6.17)	1.42	(1.05 - 1.92)	51.34	(46.33 - 56.32)
Southwest	4.37	(3.04 - 6.26)	1.59	(1.21 - 2.09)	52.56	(47.58 - 57.50)
West Central	4.51	(3.15 - 6.41)	1.39	(1.05 - 1.84)	47.32	(42.21 - 52.48)
Hawaii	7.35	(6.05 - 8.90)	1.82	(1.53 - 2.16)	39.67	(36.82 - 42.60)
Hawaii Island	9.22	(6.33 - 13.25)	2.66	(1.90 - 3.72)	38.17	(33.07 - 43.55)
Honolulu	6.89	(5.54 - 8.56)	1.67	(1.37 - 2.02)	40.31	(37.09 - 43.61)
Kalawao, Kauai, and Maui	8.01	(5.69 - 11.17)	2.02	(1.51 - 2.70)	37.85	(33.29 - 42.63)
Idaho	4.03	(3.32 - 4.88)	1.58	(1.37 - 1.81)	43.13	(40.58 - 45.71)
Region 1	4.89	(3.59 - 6.64)	1.84	(1.38 - 2.45)	41.01	(36.20 - 45.99)
Region 2	4.28	(2.97 - 6.15)	1.90	(1.42 - 2.55)	36.37	(31.58 - 41.45)
Region 3	3.66	(2.63 - 5.07)	1.47	(1.10 - 1.97)	48.89	(44.28 - 53.52)
Region 4	4.23	(3.13 - 5.69)	1.75	(1.36 - 2.24)	38.75	(34.46 - 43.23)
Region 5	3.72	(2.63 - 5.23)	1.32	(0.99 - 1.76)	47.72	(42.91 - 52.57)
Region 6	4.29	(3.08 - 5.94)	1.42	(1.05 - 1.91)	45.37	(40.85 - 49.97)
Region 7	2.93	(2.07 - 4.13)	1.36	(0.99 - 1.86)	45.96	(41.57 - 50.41)
Illinois	5.42	(4.91 - 5.97)	1.74	(1.61 - 1.88)	42.75	(41.12 - 44.39)
Region I (Cook)	6.50	(5.66 - 7.47)	1.78	(1.58 - 2.01)	42.62	(40.23 - 45.04)
Region II	4.36	(3.73 - 5.10)	1.84	(1.62 - 2.10)	38.86	(36.42 - 41.36)
Region III	4.95	(3.97 - 6.16)	1.64	(1.36 - 1.99)	45.75	(42.14 - 49.40)
Region IV	4.51	(3.61 - 5.63)	1.65	(1.37 - 1.99)	46.73	(42.82 - 50.68)
Region V	4.87	(4.00 - 5.93)	1.50	(1.25 - 1.79)	47.96	(44.38 - 51.57)
Indiana	4.17	(3.43 - 5.06)	1.57	(1.38 - 1.78)	44.96	(42.27 - 47.68)
Central	4.23	(3.06 - 5.83)	1.46	(1.14 - 1.86)	42.79	(38.41 - 47.28)
East	4.31	(3.08 - 6.00)	1.36	(1.03 - 1.81)	47.90	(42.79 - 53.06)
North Central	3.77	(2.72 - 5.20)	1.45	(1.13 - 1.86)	46.68	(41.87 - 51.55)
Northeast	4.37	(3.08 - 6.17)	1.97	(1.48 - 2.60)	45.22	(40.32 - 50.21)
Northwest	3.91	(2.76 - 5.49)	1.44	(1.08 - 1.92)	46.85	(41.76 - 52.00)
Southeast and Southwest	3.71	(2.70 - 5.09)	1.60	(1.26 - 2.04)	45.85	(41.32 - 50.46)
West	5.32	(4.00 - 7.05)	1.85	(1.42 - 2.41)	41.22	(36.64 - 45.95)
Iowa	3.11	(2.54 - 3.82)	1.40	(1.22 - 1.60)	45.28	(42.65 - 47.94)
Central	2.63	(1.81 - 3.82)	1.24	(0.95 - 1.62)	42.43	(37.74 - 47.26)
North Central	2.91	(2.11 - 3.99)	1.42	(1.11 - 1.83)	44.07	(39.20 - 49.05)
Northeast	2.53	(1.84 - 3.46)	1.31	(1.03 - 1.66)	44.72	(40.63 - 48.88)
Northwest	2.28	(1.58 - 3.27)	1.17	(0.90 - 1.51)	48.98	(44.24 - 53.74)
Southeast and Southwest	4.37	(3.36 - 5.66)	1.69	(1.37 - 2.08)	45.68	(41.91 - 49.50)

See notes at end of table.

(continued)

Table C1. Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Marijuana Use in Past Month		Average Annual Rate of First Use of Marijuana ¹		Perceptions of Great Risk of Smoking Marijuana Once a Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Kansas	4.27	(3.56 - 5.11)	1.78	(1.55 - 2.03)	41.96	(39.25 - 44.73)
Region 1	4.72	(3.57 - 6.22)	1.74	(1.37 - 2.20)	44.24	(39.70 - 48.88)
Region 2	3.42	(2.44 - 4.76)	1.50	(1.14 - 1.97)	46.02	(41.12 - 50.99)
Region 3	2.89	(2.06 - 4.04)	1.43	(1.11 - 1.84)	48.61	(43.95 - 53.31)
Region 4	4.69	(3.62 - 6.06)	2.05	(1.65 - 2.55)	36.51	(32.73 - 40.47)
Region 5	5.18	(3.86 - 6.92)	2.04	(1.54 - 2.68)	38.61	(33.84 - 43.61)
Kentucky	4.53	(3.78 - 5.41)	1.78	(1.57 - 2.02)	49.15	(46.26 - 52.05)
Adanta, Cumberland River, and Lifeskills	3.77	(2.77 - 5.11)	1.21	(0.91 - 1.60)	55.87	(51.33 - 60.32)
Bluegrass, Comprehend, and North Key	4.72	(3.57 - 6.21)	2.09	(1.67 - 2.61)	44.90	(40.52 - 49.37)
Communicare and River Valley	4.45	(3.18 - 6.20)	2.45	(1.84 - 3.27)	48.72	(43.48 - 53.99)
Four Rivers and Pennyroyal	4.17	(3.06 - 5.68)	1.74	(1.34 - 2.27)	50.81	(45.69 - 55.91)
Kentucky River, Mountain, and Pathways	3.78	(2.73 - 5.20)	1.31	(1.00 - 1.71)	54.63	(49.86 - 59.31)
Seven Counties	5.51	(4.26 - 7.11)	1.92	(1.53 - 2.40)	45.64	(41.05 - 50.30)
Louisiana	3.73	(3.07 - 4.53)	1.50	(1.32 - 1.70)	50.40	(47.61 - 53.20)
Region 1	4.69	(3.38 - 6.46)	1.54	(1.16 - 2.06)	50.27	(45.34 - 55.20)
Regions 2 and 9	3.77	(2.83 - 5.00)	1.52	(1.19 - 1.95)	48.79	(44.51 - 53.08)
Region 3	3.51	(2.43 - 5.04)	1.77	(1.33 - 2.36)	51.46	(46.18 - 56.71)
Region 4	3.30	(2.38 - 4.56)	1.56	(1.21 - 2.01)	52.34	(47.80 - 56.84)
Regions 5 and 6	3.11	(2.19 - 4.39)	1.18	(0.88 - 1.59)	51.15	(46.14 - 56.13)
Regions 7 and 8	3.53	(2.59 - 4.79)	1.46	(1.15 - 1.86)	51.54	(47.05 - 56.00)
Region 10 (Jefferson)	4.29	(3.05 - 6.00)	1.59	(1.20 - 2.12)	47.97	(42.79 - 53.20)
Maine	6.74	(5.78 - 7.83)	1.74	(1.52 - 2.00)	37.02	(34.49 - 39.62)
Region 1	7.70	(6.24 - 9.48)	2.04	(1.66 - 2.50)	33.68	(30.11 - 37.45)
Region 2	6.83	(5.50 - 8.46)	1.63	(1.33 - 1.98)	39.12	(35.56 - 42.79)
Region 3	5.24	(4.00 - 6.85)	1.56	(1.23 - 1.97)	38.41	(34.32 - 42.68)
Maryland	4.48	(3.72 - 5.39)	1.54	(1.34 - 1.76)	40.56	(37.73 - 43.45)
Central and Eastern Shore	5.09	(3.97 - 6.50)	1.72	(1.41 - 2.10)	40.56	(36.66 - 44.59)
Southern	4.60	(3.59 - 5.88)	1.47	(1.18 - 1.83)	41.59	(37.62 - 45.66)
Western	3.40	(2.50 - 4.61)	1.34	(1.07 - 1.68)	39.45	(35.09 - 43.99)
Massachusetts	9.14	(7.79 - 10.69)	2.14	(1.87 - 2.46)	33.79	(30.98 - 36.73)
Boston	12.16	(9.31 - 15.72)	2.18	(1.63 - 2.91)	34.16	(29.73 - 38.88)
Central	9.00	(6.73 - 11.92)	2.52	(1.90 - 3.34)	35.88	(31.17 - 40.89)
Metrowest	8.52	(6.56 - 11.00)	2.09	(1.64 - 2.66)	31.40	(26.90 - 36.28)
Northeast	7.97	(6.01 - 10.50)	1.91	(1.48 - 2.47)	33.83	(29.44 - 38.52)
Southeast	9.53	(7.30 - 12.36)	2.22	(1.74 - 2.82)	34.08	(29.78 - 38.67)
Western	8.77	(6.65 - 11.49)	2.11	(1.57 - 2.82)	35.29	(30.27 - 40.65)

See notes at end of table.

(continued)

Table C1. Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Marijuana Use in Past Month		Average Annual Rate of First Use of Marijuana ¹		Perceptions of Great Risk of Smoking Marijuana Once a Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Michigan	5.72	(5.23 - 6.25)	1.86	(1.73 - 2.00)	41.17	(39.65 - 42.71)
Bay and Saginaw	4.93	(3.80 - 6.37)	1.80	(1.45 - 2.23)	45.55	(41.46 - 49.71)
Detroit City	7.41	(5.92 - 9.25)	1.85	(1.51 - 2.26)	48.68	(44.93 - 52.44)
Genesee	6.15	(4.71 - 7.99)	1.99	(1.53 - 2.59)	43.74	(39.40 - 48.18)
Kalamazoo	5.62	(4.31 - 7.30)	1.85	(1.47 - 2.34)	39.99	(36.03 - 44.09)
Kent	6.03	(4.64 - 7.79)	2.59	(2.09 - 3.20)	41.20	(37.14 - 45.37)
Lakeshore	4.98	(3.93 - 6.31)	1.59	(1.28 - 1.97)	45.66	(41.71 - 49.67)
Macomb	5.30	(4.13 - 6.77)	1.55	(1.25 - 1.91)	39.19	(35.40 - 43.12)
Mid South	6.31	(5.26 - 7.55)	2.10	(1.76 - 2.50)	39.82	(36.57 - 43.16)
Northern	4.61	(3.65 - 5.81)	1.70	(1.40 - 2.06)	39.63	(35.82 - 43.57)
Oakland	4.84	(3.87 - 6.03)	1.82	(1.51 - 2.18)	36.33	(32.99 - 39.82)
Pathways and Western	6.07	(4.62 - 7.94)	2.17	(1.70 - 2.76)	39.52	(35.06 - 44.17)
Southeast	6.13	(5.00 - 7.49)	1.73	(1.45 - 2.06)	41.98	(38.53 - 45.51)
St. Clair	5.61	(4.27 - 7.33)	1.59	(1.22 - 2.06)	46.18	(41.46 - 50.97)
Washtenaw	6.22	(4.90 - 7.86)	2.25	(1.76 - 2.86)	30.99	(27.40 - 34.82)
Minnesota	5.23	(4.45 - 6.15)	2.03	(1.78 - 2.32)	38.52	(35.91 - 41.20)
Regions 1 and 2	4.85	(3.67 - 6.39)	1.94	(1.49 - 2.52)	42.32	(37.28 - 47.53)
Regions 3 and 4	4.20	(3.11 - 5.64)	1.90	(1.46 - 2.47)	43.78	(39.00 - 48.68)
Regions 5 and 6	4.37	(3.34 - 5.71)	1.98	(1.57 - 2.48)	40.18	(35.74 - 44.78)
Region 7A (Hennepin)	6.29	(4.83 - 8.15)	1.90	(1.49 - 2.42)	34.27	(30.32 - 38.46)
Region 7B (Ramsey)	6.21	(4.58 - 8.37)	2.11	(1.59 - 2.78)	35.25	(30.63 - 40.16)
Region 7C	5.41	(4.21 - 6.93)	2.38	(1.89 - 3.00)	37.17	(32.89 - 41.65)
Mississippi	3.79	(3.13 - 4.57)	1.62	(1.42 - 1.85)	53.71	(50.93 - 56.46)
Regions 1 and 2	4.44	(3.22 - 6.10)	1.88	(1.41 - 2.49)	50.49	(45.35 - 55.62)
Regions 3, 4, 7, and 10	3.11	(2.26 - 4.28)	1.39	(1.10 - 1.77)	56.20	(52.00 - 60.31)
Regions 5, 6, 11, and 15	3.80	(2.78 - 5.18)	1.71	(1.33 - 2.20)	57.86	(53.28 - 62.31)
Regions 8 and 9	4.20	(3.19 - 5.51)	1.75	(1.38 - 2.21)	49.48	(44.97 - 54.00)
Region 12	3.20	(2.28 - 4.48)	1.58	(1.18 - 2.11)	53.47	(48.75 - 58.14)
Regions 13 and 14	4.30	(3.15 - 5.84)	1.61	(1.23 - 2.10)	51.72	(46.87 - 56.54)
Missouri	4.75	(3.99 - 5.66)	1.64	(1.44 - 1.88)	44.57	(41.81 - 47.37)
Central	4.81	(3.51 - 6.55)	1.50	(1.13 - 1.99)	44.30	(39.17 - 49.56)
Eastern	5.63	(4.38 - 7.20)	1.86	(1.50 - 2.31)	40.40	(36.40 - 44.54)
Northwest	4.38	(3.28 - 5.82)	1.76	(1.40 - 2.21)	46.61	(42.26 - 51.00)
Southeast	3.52	(2.47 - 5.00)	1.24	(0.94 - 1.63)	51.83	(46.96 - 56.65)
Southwest	4.22	(3.11 - 5.69)	1.48	(1.14 - 1.91)	45.57	(40.79 - 50.43)
Montana	5.36	(4.62 - 6.22)	1.89	(1.66 - 2.15)	40.30	(37.76 - 42.89)
Regions 1 and 3	4.04	(3.15 - 5.17)	1.53	(1.23 - 1.90)	43.65	(39.61 - 47.77)
Region 2	5.73	(4.34 - 7.53)	2.00	(1.58 - 2.54)	42.01	(37.53 - 46.63)
Region 4	5.32	(4.25 - 6.64)	2.13	(1.72 - 2.63)	37.79	(33.84 - 41.91)
Region 5	6.51	(5.29 - 7.99)	2.04	(1.64 - 2.54)	38.23	(34.36 - 42.27)

See notes at end of table.

(continued)

Table C1. Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Marijuana Use in Past Month		Average Annual Rate of First Use of Marijuana ¹		Perceptions of Great Risk of Smoking Marijuana Once a Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Nebraska	3.57	(2.92 - 4.36)	1.65	(1.43 - 1.89)	41.80	(39.23 - 44.42)
Regions 1 and 2	2.93	(2.05 - 4.18)	1.26	(0.93 - 1.71)	49.53	(44.33 - 54.74)
Region 3	2.88	(2.03 - 4.08)	1.43	(1.09 - 1.88)	46.16	(41.16 - 51.24)
Region 4	2.65	(1.82 - 3.86)	1.38	(1.04 - 1.83)	47.44	(42.32 - 52.62)
Region 5	3.66	(2.71 - 4.93)	1.70	(1.35 - 2.14)	37.82	(33.94 - 41.85)
Region 6	4.24	(3.29 - 5.44)	1.93	(1.55 - 2.41)	38.74	(35.21 - 42.39)
Nevada	5.32	(4.37 - 6.46)	1.84	(1.58 - 2.14)	39.75	(36.82 - 42.75)
Clark	5.39	(4.28 - 6.77)	1.75	(1.45 - 2.10)	41.05	(37.63 - 44.56)
Rural	4.38	(3.11 - 6.14)	1.82	(1.38 - 2.41)	39.27	(34.46 - 44.29)
Washoe	5.82	(4.25 - 7.93)	2.27	(1.71 - 3.00)	34.95	(30.44 - 39.74)
New Hampshire	6.33	(5.42 - 7.38)	1.96	(1.71 - 2.23)	33.40	(30.93 - 35.97)
Central	5.73	(4.47 - 7.33)	2.09	(1.70 - 2.56)	34.88	(30.98 - 39.00)
Northern	6.82	(5.15 - 8.98)	1.89	(1.47 - 2.44)	34.92	(30.06 - 40.12)
Southern	6.50	(5.38 - 7.85)	1.91	(1.59 - 2.29)	32.35	(29.41 - 35.42)
New Jersey	4.66	(3.87 - 5.61)	1.39	(1.22 - 1.58)	43.63	(40.85 - 46.46)
RHPA I	4.21	(3.04 - 5.81)	1.38	(1.07 - 1.77)	45.14	(40.60 - 49.76)
RHPA IIa (Bergen)	3.71	(2.54 - 5.39)	1.11	(0.83 - 1.48)	41.72	(36.55 - 47.08)
RHPA IIb (Hudson)	4.89	(3.34 - 7.12)	1.35	(0.99 - 1.82)	50.79	(45.66 - 55.90)
RHPA III	4.72	(3.43 - 6.47)	1.16	(0.87 - 1.56)	46.32	(41.45 - 51.26)
RHPA IVa	4.50	(3.24 - 6.24)	1.33	(0.99 - 1.78)	39.46	(34.55 - 44.60)
RHPA IVb (Middlesex)	5.22	(3.68 - 7.36)	1.75	(1.29 - 2.36)	39.92	(34.87 - 45.20)
RHPA V	5.58	(4.10 - 7.55)	1.47	(1.15 - 1.89)	42.23	(37.42 - 47.19)
RHPA VIa	3.80	(2.67 - 5.40)	1.46	(1.10 - 1.93)	46.15	(40.91 - 51.48)
RHPA VIb (Monmouth)	5.23	(3.78 - 7.19)	1.81	(1.34 - 2.44)	39.95	(34.95 - 45.17)
New Mexico	6.06	(5.13 - 7.15)	2.17	(1.88 - 2.49)	40.72	(38.14 - 43.35)
Region 1	7.00	(5.12 - 9.52)	2.92	(2.15 - 3.95)	44.24	(39.39 - 49.21)
Region 2	5.49	(4.22 - 7.11)	2.28	(1.81 - 2.87)	38.29	(34.26 - 42.49)
Region 3	5.07	(3.76 - 6.80)	1.87	(1.44 - 2.42)	47.21	(42.81 - 51.65)
Region 4	5.02	(3.72 - 6.75)	2.11	(1.65 - 2.69)	44.72	(40.30 - 49.23)
Region 5 (Bernalillo)	7.32	(5.74 - 9.28)	2.05	(1.63 - 2.59)	34.77	(31.04 - 38.69)
New York	5.15	(4.64 - 5.70)	1.49	(1.36 - 1.63)	44.55	(42.89 - 46.21)
New York City	5.07	(4.28 - 5.98)	1.08	(0.92 - 1.26)	48.75	(46.32 - 51.19)
Remainder of the State	5.20	(4.64 - 5.84)	1.82	(1.64 - 2.03)	41.48	(39.44 - 43.54)
North Carolina	5.72	(4.80 - 6.80)	1.57	(1.38 - 1.79)	44.12	(41.41 - 46.86)
Eastern	4.77	(3.59 - 6.30)	1.59	(1.28 - 1.99)	47.25	(43.14 - 51.41)
North Central	6.65	(5.03 - 8.75)	1.67	(1.31 - 2.12)	45.18	(40.70 - 49.74)
South Central	5.93	(4.53 - 7.72)	1.71	(1.38 - 2.12)	43.46	(39.33 - 47.68)
Western	5.48	(4.20 - 7.11)	1.40	(1.14 - 1.73)	41.96	(37.66 - 46.39)

See notes at end of table.

(continued)

Table C1. Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Marijuana Use in Past Month		Average Annual Rate of First Use of Marijuana ¹		Perceptions of Great Risk of Smoking Marijuana Once a Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
North Dakota	3.43	(2.87 - 4.09)	2.01	(1.76 - 2.29)	43.73	(41.10 - 46.40)
Badlands and West Central	2.81	(2.13 - 3.69)	1.96	(1.59 - 2.41)	45.65	(41.66 - 49.70)
Lake Region and South Central	2.65	(1.91 - 3.67)	1.60	(1.23 - 2.08)	48.03	(43.12 - 52.98)
North Central and Northwest	3.21	(2.33 - 4.42)	1.76	(1.38 - 2.23)	46.92	(42.10 - 51.81)
Northeast	4.11	(3.08 - 5.47)	2.44	(1.88 - 3.16)	40.39	(36.09 - 44.86)
Southeast	4.34	(3.39 - 5.54)	2.31	(1.84 - 2.89)	38.60	(34.45 - 42.92)
Ohio	4.41	(4.01 - 4.85)	1.55	(1.44 - 1.67)	42.57	(41.01 - 44.16)
Boards 2, 46, 55, and 68	4.20	(3.21 - 5.49)	1.71	(1.34 - 2.19)	46.73	(42.28 - 51.23)
Boards 3, 52, and 85	3.45	(2.54 - 4.68)	1.43	(1.09 - 1.87)	43.37	(38.75 - 48.10)
Boards 4 and 78	3.84	(2.83 - 5.19)	1.30	(0.98 - 1.72)	44.95	(40.13 - 49.85)
Boards 5 and 60	4.66	(3.52 - 6.14)	1.80	(1.40 - 2.30)	45.69	(41.26 - 50.19)
Boards 7, 15, 41, 79, and 84	3.30	(2.41 - 4.49)	1.14	(0.87 - 1.48)	48.18	(43.68 - 52.72)
Boards 8, 13, and 83	3.67	(2.69 - 4.99)	1.55	(1.21 - 1.99)	41.44	(36.71 - 46.32)
Board 9 (Butler)	4.79	(3.59 - 6.36)	1.96	(1.45 - 2.63)	42.03	(37.34 - 46.87)
Board 12	4.96	(3.72 - 6.60)	2.03	(1.55 - 2.65)	39.69	(35.10 - 44.47)
Boards 18 and 47	4.31	(3.48 - 5.33)	1.33	(1.11 - 1.60)	42.72	(39.40 - 46.10)
Boards 20, 32, 54, and 69	3.79	(2.82 - 5.06)	1.39	(1.08 - 1.80)	46.72	(42.18 - 51.32)
Boards 21, 39, 51, 70, and 80	3.91	(2.91 - 5.22)	1.33	(1.05 - 1.69)	44.09	(39.80 - 48.46)
Boards 22, 74, and 87	3.10	(2.27 - 4.22)	1.37	(1.04 - 1.80)	46.20	(41.75 - 50.72)
Boards 23 and 45	4.10	(3.02 - 5.57)	1.79	(1.35 - 2.37)	39.71	(34.99 - 44.64)
Board 25 (Franklin)	6.92	(5.74 - 8.33)	2.15	(1.80 - 2.58)	37.11	(33.94 - 40.39)
Boards 27, 71, and 73	3.28	(2.39 - 4.49)	1.35	(1.04 - 1.76)	50.56	(46.11 - 55.01)
Boards 28, 43, and 67	3.86	(2.90 - 5.11)	1.65	(1.31 - 2.07)	40.40	(36.14 - 44.80)
Board 31 (Hamilton)	4.81	(3.76 - 6.13)	1.40	(1.12 - 1.75)	38.62	(34.97 - 42.41)
Board 48 (Lucas)	4.40	(3.26 - 5.91)	1.69	(1.31 - 2.19)	44.19	(39.75 - 48.72)
Board 50 (Mahoning)	4.09	(2.98 - 5.57)	1.23	(0.92 - 1.64)	44.99	(40.01 - 50.08)
Board 57 (Montgomery)	4.16	(3.17 - 5.45)	1.43	(1.11 - 1.83)	41.15	(36.92 - 45.51)
Board 76 (Stark)	4.61	(3.47 - 6.10)	1.50	(1.15 - 1.96)	42.32	(37.67 - 47.11)
Board 77 (Summit)	4.82	(3.69 - 6.27)	1.89	(1.47 - 2.45)	38.32	(34.19 - 42.62)
Oklahoma	3.51	(2.82 - 4.35)	1.62	(1.42 - 1.86)	47.66	(44.68 - 50.65)
Central	3.78	(2.68 - 5.31)	2.03	(1.54 - 2.66)	41.92	(37.05 - 46.96)
East Central	3.46	(2.33 - 5.09)	1.77	(1.32 - 2.37)	53.11	(47.64 - 58.51)
Northeast	3.04	(2.12 - 4.35)	1.33	(0.98 - 1.81)	49.61	(44.55 - 54.68)
Northwest and Southwest	3.12	(2.22 - 4.38)	1.39	(1.07 - 1.82)	50.35	(45.51 - 55.18)
Oklahoma City Metro	4.27	(3.12 - 5.81)	1.62	(1.25 - 2.10)	43.57	(38.89 - 48.37)
Southeast	2.77	(1.87 - 4.08)	1.30	(0.98 - 1.70)	54.11	(49.03 - 59.10)
Tulsa Metro	3.62	(2.51 - 5.19)	2.06	(1.55 - 2.74)	44.38	(39.32 - 49.55)

See notes at end of table.

(continued)

Table C1. Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Marijuana Use in Past Month		Average Annual Rate of First Use of Marijuana ¹		Perceptions of Great Risk of Smoking Marijuana Once a Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Oregon	7.00	(5.91 - 8.27)	1.78	(1.55 - 2.04)	33.78	(30.90 - 36.78)
Region 1 (Multnomah)	9.48	(7.29 - 12.24)	2.00	(1.54 - 2.61)	29.85	(25.68 - 34.38)
Region 2	6.39	(4.83 - 8.41)	1.97	(1.55 - 2.49)	31.80	(27.52 - 36.41)
Region 3	7.18	(5.72 - 8.97)	1.90	(1.51 - 2.38)	32.73	(28.73 - 36.99)
Region 4	5.14	(3.69 - 7.11)	1.23	(0.91 - 1.65)	40.21	(35.01 - 45.63)
Region 5	5.86	(4.22 - 8.10)	1.56	(1.18 - 2.05)	38.96	(33.81 - 44.37)
Pennsylvania	4.53	(4.09 - 5.01)	1.38	(1.28 - 1.50)	45.47	(43.88 - 47.07)
Regions 1, 27, and 47	5.58	(4.54 - 6.84)	1.39	(1.16 - 1.66)	43.23	(39.89 - 46.63)
Regions 2, 3, 8, and 9	3.44	(2.66 - 4.44)	1.32	(1.06 - 1.64)	50.53	(46.52 - 54.54)
Regions 4 and 42	3.42	(2.53 - 4.61)	1.02	(0.77 - 1.35)	49.09	(44.82 - 53.38)
Regions 5 and 28	3.32	(2.35 - 4.66)	1.01	(0.76 - 1.36)	50.50	(45.66 - 55.33)
Regions 6, 16, and 39	3.19	(2.27 - 4.47)	1.20	(0.91 - 1.56)	49.47	(44.69 - 54.26)
Region 7 (Bucks)	4.36	(3.29 - 5.77)	1.39	(1.08 - 1.79)	36.98	(32.68 - 41.49)
Regions 10, 15, and 25	3.22	(2.29 - 4.52)	1.26	(0.96 - 1.64)	49.47	(44.52 - 54.43)
Regions 11, 29, 44, and 48	3.54	(2.60 - 4.82)	1.39	(1.08 - 1.79)	48.75	(44.20 - 53.33)
Regions 12, 35, 41, and 45	5.53	(4.32 - 7.05)	2.07	(1.60 - 2.66)	42.33	(38.00 - 46.78)
Region 13 (Chester)	4.62	(3.47 - 6.14)	1.55	(1.17 - 2.05)	39.66	(35.04 - 44.48)
Regions 14, 31, 36, and 46	4.09	(3.01 - 5.54)	1.20	(0.92 - 1.58)	49.96	(44.86 - 55.06)
Regions 17, 24, and 43	3.25	(2.43 - 4.32)	1.12	(0.89 - 1.39)	51.10	(46.56 - 55.63)
Region 18 (Philadelphia)	7.20	(5.79 - 8.90)	1.73	(1.41 - 2.11)	46.62	(43.01 - 50.26)
Regions 19 and 23	4.15	(3.00 - 5.73)	1.47	(1.12 - 1.92)	45.50	(40.96 - 50.11)
Regions 20, 26, and 40	3.28	(2.41 - 4.44)	1.02	(0.78 - 1.33)	46.70	(42.19 - 51.26)
Regions 21 and 32	3.62	(2.61 - 5.00)	1.09	(0.83 - 1.44)	47.03	(42.62 - 51.50)
Region 22 (Delaware)	5.02	(3.83 - 6.56)	1.88	(1.46 - 2.42)	41.67	(37.22 - 46.25)
Region 30 (Lancaster)	4.05	(3.04 - 5.39)	1.50	(1.16 - 1.93)	45.91	(41.43 - 50.45)
Region 33 (Lehigh)	3.23	(2.32 - 4.49)	1.33	(1.01 - 1.76)	45.00	(40.04 - 50.07)
Region 34	3.54	(2.58 - 4.83)	0.96	(0.72 - 1.28)	49.29	(44.47 - 54.13)
Region 37 (Montgomery)	4.58	(3.47 - 6.02)	1.53	(1.21 - 1.93)	39.07	(34.93 - 43.37)
Region 38 (Northampton)	4.22	(3.14 - 5.67)	1.24	(0.93 - 1.66)	43.86	(38.94 - 48.89)
Region 49	3.92	(2.89 - 5.28)	1.29	(1.02 - 1.63)	44.32	(39.96 - 48.76)
Rhode Island	7.22	(6.12 - 8.50)	1.72	(1.49 - 1.99)	38.36	(35.41 - 41.40)
Bristol and Newport	5.92	(4.34 - 8.01)	1.86	(1.40 - 2.47)	37.03	(32.02 - 42.33)
Kent	6.27	(4.68 - 8.35)	1.70	(1.33 - 2.17)	38.08	(33.33 - 43.08)
Providence	7.45	(6.08 - 9.10)	1.55	(1.27 - 1.90)	39.91	(36.31 - 43.62)
Washington	8.81	(6.84 - 11.28)	2.54	(1.91 - 3.38)	32.49	(27.92 - 37.42)
South Carolina	4.07	(3.35 - 4.95)	1.68	(1.48 - 1.90)	47.50	(44.74 - 50.27)
Region 1	4.48	(3.32 - 6.04)	1.76	(1.42 - 2.19)	46.33	(42.02 - 50.70)
Region 2	3.74	(2.85 - 4.90)	1.65	(1.34 - 2.03)	49.24	(45.15 - 53.34)
Region 3	3.36	(2.37 - 4.75)	1.57	(1.22 - 2.01)	47.70	(43.05 - 52.39)
Region 4	4.52	(3.45 - 5.89)	1.69	(1.35 - 2.10)	46.56	(42.26 - 50.92)

See notes at end of table.

(continued)

Table C1. Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Marijuana Use in Past Month		Average Annual Rate of First Use of Marijuana ¹		Perceptions of Great Risk of Smoking Marijuana Once a Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
South Dakota	3.71	(3.11 - 4.43)	1.57	(1.37 - 1.80)	42.13	(39.57 - 44.74)
Region 1 (Pennington)	4.42	(3.19 - 6.09)	1.99	(1.50 - 2.64)	38.96	(34.28 - 43.85)
Region 2	4.10	(3.05 - 5.50)	1.77	(1.38 - 2.28)	43.87	(39.30 - 48.54)
Region 3 (Minnehaha)	4.16	(3.08 - 5.59)	1.66	(1.29 - 2.13)	38.54	(34.42 - 42.83)
Region 4	3.20	(2.31 - 4.41)	1.75	(1.33 - 2.29)	40.41	(35.49 - 45.54)
Region 5	2.78	(1.99 - 3.87)	1.05	(0.75 - 1.47)	46.70	(41.57 - 51.90)
Region 6	3.03	(2.14 - 4.28)	1.01	(0.73 - 1.41)	46.13	(41.21 - 51.12)
Region 7	3.92	(2.88 - 5.31)	1.75	(1.35 - 2.26)	42.09	(37.73 - 46.58)
Tennessee	4.42	(3.67 - 5.32)	1.54	(1.34 - 1.76)	46.93	(44.04 - 49.85)
Region 1	3.99	(2.77 - 5.72)	1.38	(1.05 - 1.81)	50.08	(44.55 - 55.60)
Region 2	4.73	(3.50 - 6.36)	1.33	(1.05 - 1.68)	50.14	(45.13 - 55.14)
Region 3	3.74	(2.72 - 5.12)	1.45	(1.13 - 1.86)	48.56	(43.80 - 53.34)
Region 4 (Davidson)	5.71	(3.99 - 8.11)	1.75	(1.26 - 2.42)	39.85	(34.88 - 45.04)
Region 5	4.30	(3.19 - 5.77)	1.79	(1.40 - 2.28)	45.14	(40.55 - 49.81)
Region 6	3.97	(2.76 - 5.69)	1.43	(1.08 - 1.89)	50.77	(45.63 - 55.90)
Region 7 (Shelby)	4.65	(3.28 - 6.55)	1.61	(1.19 - 2.18)	43.99	(38.79 - 49.33)
Texas	3.74	(3.36 - 4.16)	1.50	(1.38 - 1.62)	49.66	(48.14 - 51.18)
Region 1	4.64	(3.49 - 6.15)	2.01	(1.57 - 2.57)	52.72	(48.66 - 56.73)
Regions 2 and 9	3.79	(2.86 - 5.01)	1.53	(1.20 - 1.94)	51.86	(47.57 - 56.12)
Region 3	3.39	(2.82 - 4.09)	1.32	(1.14 - 1.54)	46.51	(44.09 - 48.95)
Region 4	3.16	(2.29 - 4.37)	1.13	(0.87 - 1.48)	52.45	(47.91 - 56.95)
Region 5	4.00	(2.95 - 5.40)	1.48	(1.13 - 1.92)	50.48	(45.60 - 55.35)
Region 6	3.83	(3.17 - 4.62)	1.49	(1.29 - 1.72)	48.79	(46.10 - 51.48)
Region 7	5.59	(4.61 - 6.78)	1.84	(1.52 - 2.24)	41.94	(38.47 - 45.49)
Region 8	3.24	(2.55 - 4.11)	1.48	(1.23 - 1.78)	51.84	(48.57 - 55.08)
Region 10	3.20	(2.37 - 4.31)	1.93	(1.50 - 2.48)	60.40	(56.32 - 64.34)
Region 11	2.59	(1.97 - 3.39)	1.44	(1.19 - 1.74)	61.26	(58.06 - 64.37)
Utah	3.48	(2.85 - 4.24)	1.56	(1.34 - 1.81)	45.07	(42.62 - 47.55)
Bear River, Northeastern, Summit, Tooele, and Wasatch	3.38	(2.39 - 4.77)	1.69	(1.27 - 2.24)	44.61	(40.07 - 49.23)
Central, Four Corners, San Juan, and Southwest	3.43	(2.42 - 4.84)	1.60	(1.17 - 2.18)	46.26	(41.49 - 51.10)
Davis County	3.38	(2.40 - 4.73)	1.40	(1.04 - 1.89)	44.87	(40.39 - 49.44)
Salt Lake County	3.65	(2.75 - 4.81)	1.60	(1.29 - 1.99)	43.19	(39.75 - 46.70)
Utah County	3.09	(2.28 - 4.16)	1.36	(0.99 - 1.87)	49.18	(45.05 - 53.33)
Weber, Morgan	3.72	(2.58 - 5.33)	1.71	(1.27 - 2.30)	45.54	(40.96 - 50.18)
Vermont	7.78	(6.76 - 8.95)	2.56	(2.24 - 2.92)	29.52	(27.01 - 32.15)
Champlain Valley	9.37	(7.83 - 11.17)	3.02	(2.49 - 3.66)	26.95	(23.70 - 30.48)
Rural Northeast	6.88	(5.37 - 8.77)	2.09	(1.63 - 2.67)	31.22	(27.18 - 35.56)
Rural Southeast	6.44	(5.06 - 8.16)	2.33	(1.84 - 2.96)	29.70	(25.79 - 33.93)
Rural Southwest	7.17	(5.50 - 9.29)	2.57	(2.00 - 3.29)	32.76	(28.33 - 37.52)

See notes at end of table.

(continued)

Table C1. Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Marijuana Use in Past Month		Average Annual Rate of First Use of Marijuana ¹		Perceptions of Great Risk of Smoking Marijuana Once a Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Virginia	4.04	(3.36 - 4.85)	1.46	(1.26 - 1.68)	42.92	(40.12 - 45.77)
Region 1	4.53	(3.32 - 6.15)	1.68	(1.28 - 2.21)	44.67	(39.57 - 49.89)
Region 2	3.62	(2.61 - 5.01)	1.33	(1.03 - 1.72)	37.33	(33.27 - 41.59)
Region 3	3.62	(2.62 - 4.99)	1.46	(1.14 - 1.88)	49.37	(44.73 - 54.02)
Region 4	4.05	(2.94 - 5.56)	1.34	(1.02 - 1.76)	43.01	(38.20 - 47.95)
Region 5	4.52	(3.47 - 5.87)	1.52	(1.20 - 1.93)	42.59	(38.51 - 46.78)
Washington	6.28	(5.30 - 7.41)	1.76	(1.55 - 2.00)	36.60	(33.91 - 39.38)
Region 1	6.18	(4.50 - 8.42)	2.38	(1.78 - 3.17)	39.09	(34.20 - 44.21)
Region 2	6.04	(4.33 - 8.36)	2.12	(1.58 - 2.84)	44.34	(39.25 - 49.55)
Region 3	6.90	(5.24 - 9.03)	1.87	(1.44 - 2.42)	34.61	(30.34 - 39.15)
Region 4 (King)	5.38	(4.08 - 7.07)	1.19	(0.91 - 1.55)	34.13	(30.34 - 38.14)
Region 5	6.60	(4.90 - 8.82)	1.83	(1.42 - 2.37)	37.10	(32.50 - 41.95)
Region 6	7.22	(5.39 - 9.60)	2.04	(1.59 - 2.61)	36.42	(31.84 - 41.26)
West Virginia	3.51	(2.87 - 4.28)	1.35	(1.18 - 1.54)	48.85	(46.15 - 51.56)
Eastern Highland	3.39	(2.50 - 4.59)	1.29	(1.01 - 1.65)	49.75	(45.31 - 54.19)
Northern	3.75	(2.80 - 4.98)	1.47	(1.18 - 1.82)	48.88	(44.44 - 53.34)
South Central I	3.06	(2.17 - 4.29)	1.06	(0.80 - 1.39)	50.12	(45.32 - 54.91)
South Central II	3.57	(2.55 - 4.97)	1.25	(0.96 - 1.62)	47.83	(43.15 - 52.54)
South Central III	3.89	(2.75 - 5.47)	1.63	(1.23 - 2.15)	45.47	(40.31 - 50.73)
Southern	3.29	(2.36 - 4.58)	1.30	(1.00 - 1.69)	50.08	(45.43 - 54.73)
Wisconsin	4.95	(4.21 - 5.81)	1.82	(1.61 - 2.06)	37.85	(35.19 - 40.58)
Milwaukee	6.95	(5.33 - 9.02)	1.83	(1.43 - 2.34)	41.68	(37.12 - 46.39)
Northeastern	4.44	(3.40 - 5.77)	1.85	(1.48 - 2.30)	36.60	(32.52 - 40.89)
Northern and Western	3.97	(3.00 - 5.23)	1.62	(1.28 - 2.04)	39.55	(35.08 - 44.21)
Southeastern	3.73	(2.76 - 5.01)	1.83	(1.47 - 2.29)	37.30	(32.97 - 41.85)
Southern	6.20	(4.82 - 7.94)	2.04	(1.62 - 2.57)	34.16	(29.82 - 38.79)
Wyoming	4.63	(3.84 - 5.56)	1.99	(1.75 - 2.26)	41.38	(38.75 - 44.06)
Frontier 1	3.27	(2.33 - 4.58)	1.47	(1.14 - 1.90)	45.45	(40.67 - 50.30)
Frontier 2	3.32	(2.32 - 4.72)	1.09	(0.76 - 1.55)	47.47	(42.16 - 52.83)
Rural 1	5.75	(4.29 - 7.65)	2.40	(1.87 - 3.07)	40.12	(35.95 - 44.44)
Rural 2	5.27	(4.06 - 6.82)	2.52	(2.00 - 3.16)	40.25	(36.15 - 44.49)
Rural 3 (Laramie)	4.71	(3.47 - 6.36)	1.78	(1.39 - 2.27)	38.66	(34.20 - 43.32)
Rural 4	3.95	(2.86 - 5.44)	2.31	(1.73 - 3.07)	39.28	(34.37 - 44.43)

NOTE: For substate region definitions, see Section D.

NOTE: Estimates are based on a survey-weighted hierarchical Bayes estimation approach, and the 95 percent prediction (credible) intervals are generated by Markov Chain Monte Carlo techniques.

¹ Average annual rate = {(Number of marijuana initiates in past 24 months)/[(Number of marijuana initiates in past 24 months * 0.5) + Number of persons who never used marijuana]}/2. Both the computation components, Number of marijuana initiates in past 24 months and Number of persons who never used marijuana, 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. The prediction intervals for Average annual rate of first use of marijuana use a simultaneous solution for First use of marijuana and Never used marijuana outcomes, which had 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.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Table C2. Any Illicit Drug Use in Past Month, Any Illicit Drug Use Other Than Marijuana in Past Month, and Cocaine Use in Past Year among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

State/Substate Region	Illicit Drug Use in Past Month ¹		Any Illicit Drug Use Other Than Marijuana in Past Month ¹		Cocaine Use in Past Year	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
National	6.68		2.84		1.72	
Alabama	5.43	(4.53 - 6.51)	2.64	(2.14 - 3.24)	1.57	(1.16 - 2.12)
Region 1	5.25	(3.94 - 6.95)	2.74	(2.00 - 3.73)	1.50	(1.05 - 2.14)
Region 2	5.33	(4.11 - 6.88)	2.54	(1.91 - 3.37)	1.76	(1.12 - 2.73)
Region 3	5.55	(4.21 - 7.30)	2.53	(1.86 - 3.42)	1.61	(1.08 - 2.41)
Region 4	5.73	(4.29 - 7.59)	2.73	(2.03 - 3.68)	1.34	(0.90 - 2.00)
Alaska	8.99	(7.77 - 10.37)	2.94	(2.34 - 3.69)	2.01	(1.49 - 2.72)
Gulf Coast	8.59	(6.33 - 11.56)	3.21	(2.22 - 4.62)	2.01	(1.29 - 3.12)
Rural	8.50	(6.21 - 11.52)	2.23	(1.53 - 3.23)	1.36	(0.88 - 2.10)
Southeast	9.43	(6.95 - 12.67)	3.20	(2.19 - 4.64)	1.80	(1.18 - 2.74)
Urban	9.06	(7.65 - 10.69)	2.96	(2.27 - 3.85)	2.16	(1.54 - 3.03)
Arizona	6.82	(5.73 - 8.09)	3.33	(2.69 - 4.11)	2.38	(1.83 - 3.08)
Maricopa	6.91	(5.62 - 8.47)	3.40	(2.66 - 4.35)	2.54	(1.88 - 3.41)
Pima	7.58	(5.70 - 10.02)	3.49	(2.53 - 4.79)	2.49	(1.70 - 3.64)
Rural North	6.04	(4.32 - 8.38)	2.92	(2.01 - 4.21)	1.66	(1.12 - 2.46)
Rural South	6.09	(4.24 - 8.67)	3.16	(2.22 - 4.48)	2.12	(1.45 - 3.09)
Arkansas	6.09	(5.16 - 7.19)	2.96	(2.42 - 3.61)	1.35	(1.02 - 1.78)
Areas 1 and 5	7.02	(5.29 - 9.27)	3.40	(2.42 - 4.74)	1.35	(0.94 - 1.94)
Areas 2 and 3	4.82	(3.45 - 6.71)	2.50	(1.78 - 3.51)	1.27	(0.86 - 1.88)
Areas 4 and 7	5.78	(4.43 - 7.52)	3.04	(2.25 - 4.11)	1.28	(0.87 - 1.90)
Area 6	7.19	(5.47 - 9.41)	3.45	(2.59 - 4.58)	1.66	(1.13 - 2.41)
Areas 8 and 12	5.22	(3.79 - 7.14)	2.52	(1.83 - 3.47)	1.19	(0.77 - 1.85)
Area 9	6.49	(4.87 - 8.60)	2.83	(2.11 - 3.78)	1.52	(0.99 - 2.32)
Areas 10, 11, and 13	5.61	(4.10 - 7.63)	2.82	(2.03 - 3.90)	1.20	(0.80 - 1.81)
California	8.35	(7.66 - 9.09)	3.57	(3.12 - 4.09)	2.07	(1.78 - 2.41)
Region 1	11.38	(8.55 - 14.98)	4.34	(3.14 - 5.98)	2.25	(1.58 - 3.18)
Region 2	11.22	(9.13 - 13.73)	3.81	(2.91 - 4.96)	2.04	(1.51 - 2.74)
Region 3	10.30	(7.85 - 13.40)	4.62	(3.34 - 6.37)	2.08	(1.52 - 2.85)
Region 4	11.04	(8.49 - 14.23)	4.19	(2.95 - 5.91)	2.10	(1.44 - 3.06)
Region 5	9.83	(7.74 - 12.41)	3.95	(2.86 - 5.42)	2.49	(1.71 - 3.62)
Region 6 (Santa Clara)	7.70	(5.85 - 10.07)	3.44	(2.53 - 4.67)	1.67	(1.20 - 2.33)
Region 7	9.54	(7.20 - 12.52)	3.78	(2.76 - 5.17)	2.39	(1.70 - 3.33)
Region 8	9.76	(7.62 - 12.42)	4.05	(2.98 - 5.49)	2.54	(1.85 - 3.47)
Region 9	8.18	(6.21 - 10.69)	3.73	(2.81 - 4.94)	2.23	(1.63 - 3.04)
Region 10	9.21	(6.95 - 12.09)	3.85	(2.77 - 5.33)	2.39	(1.70 - 3.36)
Region 11 (Los Angeles)	6.43	(5.46 - 7.55)	2.94	(2.32 - 3.72)	1.91	(1.50 - 2.43)
Region 12	7.63	(5.99 - 9.67)	3.41	(2.60 - 4.47)	1.93	(1.40 - 2.67)
Region 13 (Riverside)	7.81	(5.96 - 10.17)	3.57	(2.64 - 4.83)	1.92	(1.36 - 2.69)
Region 14 (Orange)	6.36	(4.99 - 8.07)	3.13	(2.33 - 4.20)	1.98	(1.46 - 2.67)
Region 15	8.49	(6.78 - 10.58)	4.12	(3.08 - 5.47)	2.17	(1.67 - 2.83)

See notes at end of table.

(continued)

Table C2. Any Illicit Drug Use in Past Month, Any Illicit Drug Use Other Than Marijuana in Past Month, and Cocaine Use in Past Year among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Illicit Drug Use in Past Month ¹		Any Illicit Drug Use Other Than Marijuana in Past Month ¹		Cocaine Use in Past Year	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Colorado	9.49	(8.18 - 10.99)	3.31	(2.69 - 4.05)	2.98	(2.33 - 3.81)
Regions 1 and 4	8.10	(6.26 - 10.43)	3.24	(2.41 - 4.35)	2.75	(1.98 - 3.80)
Region 2	9.48	(7.79 - 11.48)	3.08	(2.33 - 4.06)	3.07	(2.26 - 4.15)
Region 3	9.79	(7.34 - 12.94)	3.79	(2.77 - 5.17)	2.99	(2.08 - 4.28)
Regions 5 and 6	10.22	(7.79 - 13.30)	3.36	(2.45 - 4.58)	2.77	(1.94 - 3.94)
Region 7 (Boulder)	11.60	(9.02 - 14.81)	4.01	(2.91 - 5.50)	3.34	(2.37 - 4.70)
Connecticut	7.16	(6.08 - 8.41)	2.93	(2.32 - 3.70)	1.81	(1.32 - 2.48)
Eastern	7.40	(5.59 - 9.74)	3.03	(2.11 - 4.34)	1.91	(1.26 - 2.87)
North Central	7.70	(6.00 - 9.82)	3.13	(2.26 - 4.30)	1.91	(1.22 - 2.98)
Northwestern	6.57	(4.81 - 8.90)	2.68	(1.88 - 3.79)	1.76	(1.12 - 2.75)
South Central	7.04	(5.39 - 9.15)	2.83	(2.03 - 3.94)	1.78	(1.17 - 2.70)
Southwest	6.87	(5.10 - 9.18)	2.92	(2.03 - 4.17)	1.68	(1.08 - 2.62)
Delaware	8.02	(6.86 - 9.34)	3.07	(2.50 - 3.77)	2.38	(1.75 - 3.21)
Kent	6.95	(5.27 - 9.12)	3.15	(2.30 - 4.30)	2.58	(1.62 - 4.08)
New Castle	8.90	(7.47 - 10.57)	3.23	(2.54 - 4.10)	2.30	(1.66 - 3.17)
Sussex	6.09	(4.50 - 8.21)	2.50	(1.80 - 3.47)	2.47	(1.53 - 3.96)
District of Columbia	7.53	(6.37 - 8.88)	3.27	(2.59 - 4.13)	2.83	(2.08 - 3.86)
Ward 1	9.28	(6.87 - 12.43)	4.21	(2.89 - 6.09)	2.76	(1.80 - 4.21)
Ward 2	9.82	(7.59 - 12.63)	4.20	(3.07 - 5.72)	3.22	(2.20 - 4.68)
Ward 3	6.73	(4.92 - 9.14)	3.39	(2.37 - 4.83)	2.61	(1.70 - 3.97)
Ward 4	5.81	(4.19 - 7.99)	2.94	(1.92 - 4.48)	2.88	(1.63 - 5.04)
Ward 5	6.29	(4.62 - 8.51)	2.73	(1.84 - 4.02)	3.32	(1.93 - 5.66)
Ward 6	7.15	(5.22 - 9.71)	3.35	(2.33 - 4.80)	2.82	(1.73 - 4.56)
Ward 7	7.29	(5.33 - 9.88)	2.47	(1.64 - 3.71)	2.58	(1.47 - 4.47)
Ward 8	7.98	(5.76 - 10.97)	2.71	(1.89 - 3.89)	2.40	(1.36 - 4.19)
Florida	6.13	(5.53 - 6.78)	2.36	(2.04 - 2.72)	1.59	(1.34 - 1.88)
District 1	6.85	(5.08 - 9.19)	3.09	(2.29 - 4.15)	1.69	(1.21 - 2.35)
District 2	7.43	(5.67 - 9.68)	2.76	(2.06 - 3.69)	1.71	(1.21 - 2.40)
District 3	7.48	(5.60 - 9.93)	3.06	(2.28 - 4.09)	1.95	(1.42 - 2.67)
District 4	7.34	(5.78 - 9.27)	2.80	(2.13 - 3.67)	1.68	(1.21 - 2.33)
District 7	6.12	(4.92 - 7.58)	2.66	(2.05 - 3.43)	1.65	(1.24 - 2.19)
District 8	5.37	(3.99 - 7.19)	1.91	(1.39 - 2.63)	1.44	(1.03 - 2.01)
District 9 (Palm Beach)	6.03	(4.64 - 7.80)	2.44	(1.82 - 3.28)	1.65	(1.15 - 2.35)
District 10 (Broward)	5.70	(4.34 - 7.45)	2.21	(1.64 - 2.98)	1.46	(1.03 - 2.07)
District 11	5.67	(4.58 - 7.01)	2.01	(1.55 - 2.60)	1.55	(1.16 - 2.07)
District 12	5.03	(3.67 - 6.85)	2.08	(1.51 - 2.87)	1.72	(1.17 - 2.52)
District 13	5.28	(3.77 - 7.36)	2.06	(1.49 - 2.83)	1.24	(0.86 - 1.79)
District 14	5.59	(4.15 - 7.50)	2.30	(1.68 - 3.15)	1.38	(0.96 - 1.97)
District 15	6.08	(4.41 - 8.33)	2.10	(1.51 - 2.91)	1.47	(1.03 - 2.11)
Suncoast	6.40	(5.21 - 7.84)	2.27	(1.78 - 2.89)	1.64	(1.20 - 2.25)

See notes at end of table.

(continued)

Table C2. Any Illicit Drug Use in Past Month, Any Illicit Drug Use Other Than Marijuana in Past Month, and Cocaine Use in Past Year among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Illicit Drug Use in Past Month ¹		Any Illicit Drug Use Other Than Marijuana in Past Month ¹		Cocaine Use in Past Year	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Georgia	6.53	(5.49 - 7.75)	2.86	(2.33 - 3.52)	1.88	(1.43 - 2.47)
Central	4.76	(3.35 - 6.72)	2.26	(1.59 - 3.20)	1.50	(0.95 - 2.37)
East Central	6.85	(5.02 - 9.27)	3.13	(2.28 - 4.28)	2.26	(1.52 - 3.34)
Metro	7.65	(5.83 - 9.98)	2.92	(2.12 - 4.01)	1.95	(1.34 - 2.84)
North	6.33	(4.81 - 8.28)	2.90	(2.15 - 3.89)	1.88	(1.31 - 2.69)
Southeast	5.92	(4.25 - 8.19)	3.01	(2.18 - 4.14)	1.76	(1.18 - 2.60)
Southwest	5.62	(4.08 - 7.70)	2.63	(1.89 - 3.65)	1.85	(1.23 - 2.76)
West Central	6.04	(4.40 - 8.24)	2.84	(2.07 - 3.89)	1.74	(1.16 - 2.60)
Hawaii	8.77	(7.35 - 10.42)	2.77	(2.16 - 3.53)	1.59	(1.13 - 2.23)
Hawaii Island	10.55	(7.57 - 14.53)	3.05	(2.02 - 4.57)	1.95	(1.15 - 3.28)
Honolulu	8.14	(6.68 - 9.89)	2.67	(2.03 - 3.49)	1.59	(1.10 - 2.29)
Kalawao, Kauai, and Maui	10.30	(7.48 - 14.03)	3.00	(2.01 - 4.47)	1.31	(0.84 - 2.03)
Idaho	5.44	(4.59 - 6.44)	2.33	(1.85 - 2.92)	1.21	(0.90 - 1.62)
Region 1	6.44	(4.74 - 8.69)	2.20	(1.53 - 3.15)	1.11	(0.74 - 1.66)
Region 2	5.47	(3.98 - 7.48)	2.68	(1.85 - 3.88)	1.29	(0.85 - 1.96)
Region 3	5.27	(3.84 - 7.19)	2.29	(1.59 - 3.29)	1.21	(0.82 - 1.79)
Region 4	5.57	(4.20 - 7.36)	2.32	(1.69 - 3.19)	1.29	(0.87 - 1.92)
Region 5	4.91	(3.57 - 6.73)	2.12	(1.49 - 2.99)	1.15	(0.78 - 1.69)
Region 6	5.70	(4.22 - 7.65)	2.54	(1.79 - 3.61)	1.19	(0.82 - 1.74)
Region 7	4.51	(3.32 - 6.11)	2.31	(1.69 - 3.15)	1.17	(0.81 - 1.70)
Illinois	7.28	(6.64 - 7.98)	3.00	(2.59 - 3.47)	1.69	(1.40 - 2.02)
Region I (Cook)	9.06	(7.93 - 10.34)	3.70	(3.00 - 4.56)	2.07	(1.62 - 2.65)
Region II	5.64	(4.83 - 6.58)	2.41	(1.92 - 3.02)	1.29	(1.00 - 1.67)
Region III	6.65	(5.42 - 8.13)	2.76	(2.13 - 3.58)	1.47	(1.09 - 1.99)
Region IV	5.94	(4.82 - 7.30)	2.56	(1.94 - 3.38)	1.47	(1.07 - 2.02)
Region V	5.89	(4.87 - 7.11)	2.21	(1.68 - 2.90)	1.54	(1.10 - 2.16)
Indiana	5.71	(4.81 - 6.77)	2.67	(2.17 - 3.28)	1.41	(1.07 - 1.88)
Central	6.47	(4.82 - 8.63)	2.88	(2.07 - 4.01)	1.48	(0.98 - 2.24)
East	5.79	(4.26 - 7.83)	2.71	(1.93 - 3.80)	1.29	(0.87 - 1.92)
North Central	5.20	(3.83 - 7.02)	2.62	(1.85 - 3.68)	1.34	(0.91 - 1.99)
Northeast	5.49	(3.99 - 7.52)	2.40	(1.71 - 3.36)	1.38	(0.92 - 2.06)
Northwest	5.59	(4.05 - 7.69)	2.56	(1.82 - 3.58)	1.42	(0.92 - 2.19)
Southeast and Southwest	4.79	(3.60 - 6.35)	2.30	(1.67 - 3.17)	1.24	(0.85 - 1.82)
West	6.53	(5.08 - 8.36)	3.22	(2.38 - 4.34)	1.78	(1.26 - 2.50)
Iowa	4.40	(3.68 - 5.25)	2.22	(1.76 - 2.80)	1.28	(0.97 - 1.68)
Central	3.81	(2.68 - 5.40)	2.16	(1.51 - 3.09)	1.30	(0.88 - 1.90)
North Central	4.31	(3.19 - 5.79)	2.48	(1.69 - 3.62)	1.24	(0.86 - 1.79)
Northeast	3.92	(2.91 - 5.25)	2.05	(1.49 - 2.81)	1.18	(0.81 - 1.71)
Northwest	3.32	(2.36 - 4.66)	2.14	(1.48 - 3.09)	1.10	(0.76 - 1.61)
Southeast and Southwest	5.71	(4.54 - 7.17)	2.34	(1.74 - 3.14)	1.45	(1.03 - 2.05)

See notes at end of table.

(continued)

Table C2. Any Illicit Drug Use in Past Month, Any Illicit Drug Use Other Than Marijuana in Past Month, and Cocaine Use in Past Year among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Illicit Drug Use in Past Month ¹		Any Illicit Drug Use Other Than Marijuana in Past Month ¹		Cocaine Use in Past Year	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Kansas	6.05	(5.13 - 7.13)	2.93	(2.37 - 3.62)	1.39	(1.05 - 1.84)
Region 1	6.49	(5.01 - 8.37)	3.16	(2.31 - 4.30)	1.63	(1.10 - 2.40)
Region 2	5.42	(3.99 - 7.31)	3.10	(2.17 - 4.40)	1.24	(0.84 - 1.81)
Region 3	4.49	(3.34 - 6.02)	2.50	(1.78 - 3.51)	1.12	(0.76 - 1.65)
Region 4	6.54	(5.12 - 8.32)	2.88	(2.14 - 3.87)	1.36	(0.94 - 1.96)
Region 5	6.77	(5.12 - 8.91)	3.00	(2.13 - 4.21)	1.54	(1.06 - 2.25)
Kentucky	6.02	(5.16 - 7.02)	2.65	(2.17 - 3.22)	1.72	(1.32 - 2.23)
Adanta, Cumberland River, and Lifeskills	5.08	(3.82 - 6.71)	2.33	(1.72 - 3.16)	1.58	(1.09 - 2.29)
Bluegrass, Comprehend, and North Key	6.49	(5.06 - 8.30)	2.84	(2.15 - 3.74)	1.85	(1.32 - 2.59)
Communicare and River Valley	5.74	(4.28 - 7.65)	2.63	(1.90 - 3.63)	1.54	(1.06 - 2.25)
Four Rivers and Pennyroyal	5.58	(4.13 - 7.48)	2.66	(1.89 - 3.73)	1.65	(1.12 - 2.43)
Kentucky River, Mountain, and Pathways	5.59	(4.22 - 7.37)	2.68	(1.96 - 3.64)	1.49	(1.03 - 2.16)
Seven Counties	6.77	(5.30 - 8.62)	2.63	(1.97 - 3.50)	1.89	(1.28 - 2.80)
Louisiana	6.04	(5.16 - 7.05)	3.08	(2.54 - 3.73)	1.57	(1.17 - 2.11)
Region 1	7.45	(5.51 - 9.98)	3.19	(2.28 - 4.45)	2.23	(1.32 - 3.73)
Regions 2 and 9	6.25	(4.89 - 7.97)	3.12	(2.39 - 4.07)	1.39	(0.96 - 2.02)
Region 3	5.75	(4.23 - 7.77)	3.31	(2.45 - 4.47)	1.52	(1.00 - 2.29)
Region 4	5.26	(3.94 - 6.99)	2.86	(2.13 - 3.83)	1.40	(0.96 - 2.04)
Regions 5 and 6	4.96	(3.54 - 6.92)	2.94	(2.16 - 4.00)	1.47	(0.96 - 2.24)
Regions 7 and 8	5.58	(4.34 - 7.14)	2.93	(2.18 - 3.92)	1.46	(0.97 - 2.20)
Region 10 (Jefferson)	7.15	(5.28 - 9.61)	3.41	(2.49 - 4.64)	1.72	(1.14 - 2.61)
Maine	7.82	(6.85 - 8.91)	2.72	(2.25 - 3.29)	1.39	(1.04 - 1.85)
Region 1	8.92	(7.36 - 10.76)	2.91	(2.25 - 3.78)	1.54	(1.07 - 2.23)
Region 2	7.79	(6.39 - 9.46)	2.54	(1.96 - 3.28)	1.26	(0.88 - 1.81)
Region 3	6.34	(4.97 - 8.07)	2.73	(2.03 - 3.65)	1.37	(0.94 - 1.98)
Maryland	5.71	(4.82 - 6.75)	2.41	(1.90 - 3.04)	1.58	(1.13 - 2.20)
Central and Eastern Shore	6.30	(4.98 - 7.93)	2.33	(1.69 - 3.18)	1.77	(1.16 - 2.70)
Southern	5.75	(4.58 - 7.20)	2.34	(1.73 - 3.14)	1.50	(0.98 - 2.30)
Western	4.74	(3.65 - 6.12)	2.61	(1.87 - 3.62)	1.34	(0.89 - 2.02)
Massachusetts	11.32	(9.72 - 13.14)	3.69	(2.89 - 4.70)	2.23	(1.66 - 2.99)
Boston	13.74	(10.69 - 17.49)	4.27	(2.93 - 6.18)	3.09	(2.08 - 4.56)
Central	11.41	(8.59 - 15.01)	3.43	(2.38 - 4.93)	2.52	(1.61 - 3.93)
Metrowest	10.71	(8.34 - 13.67)	4.13	(2.85 - 5.93)	1.83	(1.25 - 2.69)
Northeast	10.05	(7.66 - 13.07)	3.79	(2.62 - 5.44)	1.95	(1.26 - 3.00)
Southeast	11.66	(8.95 - 15.06)	3.24	(2.27 - 4.61)	2.24	(1.45 - 3.45)
Western	11.48	(8.62 - 15.14)	3.12	(2.12 - 4.57)	2.28	(1.45 - 3.58)

See notes at end of table.

(continued)

Table C2. Any Illicit Drug Use in Past Month, Any Illicit Drug Use Other Than Marijuana in Past Month, and Cocaine Use in Past Year among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Illicit Drug Use in Past Month ¹		Any Illicit Drug Use Other Than Marijuana in Past Month ¹		Cocaine Use in Past Year	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Michigan	7.20	(6.61 - 7.83)	2.69	(2.37 - 3.04)	1.46	(1.22 - 1.74)
Bay and Saginaw	7.15	(5.58 - 9.12)	2.65	(1.99 - 3.53)	1.32	(0.97 - 1.80)
Detroit City	9.49	(7.72 - 11.62)	2.60	(1.91 - 3.54)	1.51	(0.95 - 2.39)
Genesee	7.54	(5.73 - 9.85)	2.72	(2.03 - 3.64)	1.69	(1.13 - 2.51)
Kalamazoo	6.57	(5.16 - 8.34)	2.70	(2.02 - 3.60)	1.66	(1.22 - 2.25)
Kent	8.24	(6.49 - 10.42)	3.28	(2.50 - 4.30)	1.71	(1.20 - 2.42)
Lakeshore	6.68	(5.33 - 8.33)	3.04	(2.33 - 3.96)	1.42	(1.05 - 1.92)
Macomb	6.83	(5.39 - 8.61)	2.34	(1.77 - 3.09)	1.23	(0.85 - 1.76)
Mid South	7.12	(5.94 - 8.50)	2.56	(2.00 - 3.26)	1.72	(1.32 - 2.23)
Northern	5.78	(4.59 - 7.24)	2.19	(1.65 - 2.89)	1.17	(0.86 - 1.60)
Oakland	6.17	(5.07 - 7.49)	2.73	(2.12 - 3.51)	1.35	(0.95 - 1.90)
Pathways and Western	7.08	(5.48 - 9.11)	3.06	(2.28 - 4.10)	1.30	(0.95 - 1.77)
Southeast	7.77	(6.41 - 9.38)	2.73	(2.15 - 3.45)	1.58	(1.15 - 2.16)
St. Clair	6.78	(5.15 - 8.87)	2.54	(1.87 - 3.43)	1.36	(0.98 - 1.90)
Washtenaw	7.48	(6.04 - 9.23)	3.00	(2.28 - 3.93)	1.38	(1.02 - 1.87)
Minnesota	6.48	(5.57 - 7.52)	2.79	(2.27 - 3.41)	1.89	(1.48 - 2.41)
Regions 1 and 2	5.93	(4.49 - 7.79)	2.70	(1.89 - 3.83)	1.62	(1.11 - 2.34)
Regions 3 and 4	5.38	(4.06 - 7.11)	2.50	(1.84 - 3.39)	1.72	(1.22 - 2.41)
Regions 5 and 6	5.54	(4.35 - 7.03)	2.41	(1.75 - 3.32)	1.64	(1.18 - 2.27)
Region 7A (Hennepin)	7.50	(5.92 - 9.47)	3.04	(2.22 - 4.14)	2.12	(1.51 - 2.96)
Region 7B (Ramsey)	7.22	(5.43 - 9.52)	3.26	(2.29 - 4.63)	2.48	(1.68 - 3.66)
Region 7C	7.04	(5.49 - 8.99)	2.90	(2.10 - 3.98)	1.86	(1.32 - 2.62)
Mississippi	5.53	(4.70 - 6.49)	2.59	(2.12 - 3.16)	1.23	(0.90 - 1.68)
Regions 1 and 2	6.13	(4.64 - 8.07)	2.77	(2.05 - 3.73)	1.38	(0.92 - 2.06)
Regions 3, 4, 7, and 10	4.72	(3.62 - 6.12)	2.51	(1.86 - 3.38)	1.21	(0.83 - 1.78)
Regions 5, 6, 11, and 15	5.61	(4.24 - 7.40)	2.34	(1.70 - 3.20)	1.02	(0.64 - 1.62)
Regions 8 and 9	5.98	(4.65 - 7.67)	2.48	(1.82 - 3.36)	1.18	(0.76 - 1.83)
Region 12	4.76	(3.51 - 6.43)	2.52	(1.84 - 3.44)	1.25	(0.82 - 1.91)
Regions 13 and 14	6.29	(4.71 - 8.36)	3.08	(2.30 - 4.11)	1.47	(0.98 - 2.19)
Missouri	5.98	(5.05 - 7.08)	2.27	(1.82 - 2.84)	1.30	(0.97 - 1.73)
Central	5.85	(4.38 - 7.77)	2.29	(1.63 - 3.20)	1.44	(0.98 - 2.10)
Eastern	7.02	(5.51 - 8.91)	2.32	(1.71 - 3.14)	1.20	(0.83 - 1.74)
Northwest	5.62	(4.22 - 7.43)	2.27	(1.62 - 3.16)	1.40	(0.94 - 2.07)
Southeast	4.51	(3.32 - 6.09)	2.11	(1.52 - 2.92)	1.16	(0.76 - 1.75)
Southwest	5.40	(3.96 - 7.32)	2.28	(1.64 - 3.18)	1.34	(0.91 - 1.97)
Montana	6.66	(5.76 - 7.68)	2.70	(2.19 - 3.31)	1.63	(1.29 - 2.06)
Regions 1 and 3	5.12	(4.00 - 6.54)	2.38	(1.75 - 3.22)	1.36	(0.95 - 1.92)
Region 2	6.98	(5.36 - 9.04)	3.00	(2.18 - 4.12)	1.74	(1.20 - 2.52)
Region 4	6.49	(5.20 - 8.09)	2.69	(2.03 - 3.55)	1.74	(1.28 - 2.35)
Region 5	8.15	(6.62 - 9.99)	2.86	(2.15 - 3.79)	1.77	(1.31 - 2.38)

See notes at end of table.

(continued)

Table C2. Any Illicit Drug Use in Past Month, Any Illicit Drug Use Other Than Marijuana in Past Month, and Cocaine Use in Past Year among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Illicit Drug Use in Past Month ¹		Any Illicit Drug Use Other Than Marijuana in Past Month ¹		Cocaine Use in Past Year	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Nebraska	4.60	(3.83 - 5.52)	2.09	(1.64 - 2.67)	1.16	(0.85 - 1.57)
Regions 1 and 2	4.07	(2.93 - 5.62)	2.14	(1.46 - 3.14)	1.08	(0.72 - 1.63)
Region 3	4.15	(3.02 - 5.67)	1.94	(1.34 - 2.79)	1.04	(0.69 - 1.57)
Region 4	3.76	(2.70 - 5.21)	2.04	(1.41 - 2.95)	0.99	(0.65 - 1.51)
Region 5	4.42	(3.36 - 5.80)	2.00	(1.41 - 2.83)	1.20	(0.83 - 1.74)
Region 6	5.30	(4.18 - 6.71)	2.21	(1.62 - 2.99)	1.24	(0.85 - 1.82)
Nevada	7.65	(6.41 - 9.11)	3.62	(2.84 - 4.61)	2.24	(1.71 - 2.93)
Clark	7.90	(6.43 - 9.66)	3.59	(2.70 - 4.75)	2.29	(1.68 - 3.11)
Rural	6.10	(4.37 - 8.45)	3.11	(2.10 - 4.58)	1.75	(1.21 - 2.54)
Washoe	7.98	(5.93 - 10.66)	4.18	(2.90 - 5.99)	2.43	(1.64 - 3.59)
New Hampshire	7.40	(6.37 - 8.59)	2.67	(2.17 - 3.27)	1.47	(1.12 - 1.94)
Central	7.19	(5.66 - 9.11)	2.81	(2.10 - 3.76)	1.55	(1.08 - 2.22)
Northern	7.46	(5.67 - 9.75)	2.77	(2.01 - 3.82)	1.46	(0.98 - 2.18)
Southern	7.49	(6.24 - 8.95)	2.57	(2.00 - 3.31)	1.44	(1.05 - 1.97)
New Jersey	5.97	(5.06 - 7.02)	2.55	(2.04 - 3.18)	1.42	(1.04 - 1.93)
RHPA I	5.67	(4.26 - 7.51)	2.48	(1.80 - 3.42)	1.25	(0.83 - 1.88)
RHPA IIa (Bergen)	4.50	(3.19 - 6.29)	2.36	(1.58 - 3.52)	1.14	(0.75 - 1.75)
RHPA IIb (Hudson)	6.24	(4.44 - 8.72)	2.89	(2.01 - 4.14)	1.87	(1.15 - 3.01)
RHPA III	6.24	(4.64 - 8.35)	2.56	(1.77 - 3.71)	1.68	(1.02 - 2.77)
RHPA IVa	5.70	(4.19 - 7.72)	2.61	(1.79 - 3.79)	1.24	(0.82 - 1.88)
RHPA IVb (Middlesex)	6.40	(4.71 - 8.64)	2.70	(1.89 - 3.84)	1.50	(0.99 - 2.27)
RHPA V	7.08	(5.22 - 9.53)	2.64	(1.87 - 3.71)	1.40	(0.92 - 2.12)
RHPA VIa	5.18	(3.76 - 7.09)	2.25	(1.58 - 3.19)	1.31	(0.85 - 2.03)
RHPA VIb (Monmouth)	6.21	(4.58 - 8.38)	2.55	(1.77 - 3.65)	1.48	(0.93 - 2.35)
New Mexico	7.56	(6.51 - 8.77)	2.97	(2.42 - 3.65)	3.01	(2.34 - 3.87)
Region 1	8.20	(6.13 - 10.89)	2.70	(1.89 - 3.85)	2.08	(1.40 - 3.08)
Region 2	7.18	(5.64 - 9.10)	3.17	(2.28 - 4.41)	2.49	(1.74 - 3.53)
Region 3	6.64	(4.98 - 8.79)	2.73	(2.02 - 3.68)	2.36	(1.66 - 3.36)
Region 4	6.49	(4.80 - 8.72)	2.61	(1.85 - 3.67)	2.29	(1.61 - 3.23)
Region 5 (Bernalillo)	8.79	(7.00 - 10.98)	3.30	(2.46 - 4.42)	4.51	(3.15 - 6.41)
New York	6.53	(5.94 - 7.17)	2.71	(2.30 - 3.19)	1.67	(1.37 - 2.04)
New York City	6.90	(5.91 - 8.05)	3.24	(2.56 - 4.08)	1.79	(1.32 - 2.41)
Remainder of the State	6.25	(5.60 - 6.97)	2.33	(1.93 - 2.81)	1.59	(1.29 - 1.96)
North Carolina	7.43	(6.31 - 8.73)	2.78	(2.28 - 3.39)	1.64	(1.25 - 2.15)
Eastern	6.60	(5.08 - 8.51)	2.68	(2.02 - 3.54)	1.67	(1.13 - 2.45)
North Central	8.16	(6.19 - 10.70)	2.61	(1.94 - 3.50)	1.69	(1.16 - 2.46)
South Central	7.83	(6.11 - 9.98)	3.22	(2.39 - 4.32)	1.71	(1.19 - 2.45)
Western	7.13	(5.53 - 9.14)	2.66	(2.00 - 3.54)	1.53	(1.07 - 2.20)

See notes at end of table.

(continued)

Table C2. Any Illicit Drug Use in Past Month, Any Illicit Drug Use Other Than Marijuana in Past Month, and Cocaine Use in Past Year among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Illicit Drug Use in Past Month ¹		Any Illicit Drug Use Other Than Marijuana in Past Month ¹		Cocaine Use in Past Year	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
North Dakota	4.31	(3.62 - 5.11)	2.08	(1.61 - 2.69)	1.31	(1.01 - 1.69)
Badlands and West Central	3.77	(2.89 - 4.92)	1.97	(1.40 - 2.76)	1.26	(0.88 - 1.79)
Lake Region and South Central	3.40	(2.52 - 4.58)	1.89	(1.27 - 2.80)	1.08	(0.71 - 1.65)
North Central and Northwest	3.90	(2.88 - 5.27)	1.98	(1.37 - 2.85)	1.05	(0.71 - 1.55)
Northeast	5.17	(3.91 - 6.81)	2.49	(1.76 - 3.52)	1.55	(1.08 - 2.21)
Southeast	5.25	(4.12 - 6.66)	2.17	(1.56 - 3.01)	1.55	(1.12 - 2.13)
Ohio	5.79	(5.31 - 6.32)	2.47	(2.18 - 2.80)	1.38	(1.15 - 1.64)
Boards 2, 46, 55, and 68	5.58	(4.33 - 7.17)	2.40	(1.81 - 3.19)	1.26	(0.90 - 1.75)
Boards 3, 52, and 85	4.49	(3.35 - 6.00)	2.20	(1.63 - 2.94)	1.21	(0.85 - 1.72)
Boards 4 and 78	4.90	(3.66 - 6.54)	2.32	(1.69 - 3.16)	1.22	(0.87 - 1.72)
Boards 5 and 60	6.08	(4.64 - 7.92)	2.61	(1.96 - 3.47)	1.29	(0.92 - 1.82)
Boards 7, 15, 41, 79, and 84	4.63	(3.54 - 6.04)	2.21	(1.64 - 2.95)	1.10	(0.77 - 1.56)
Boards 8, 13, and 83	5.15	(3.93 - 6.71)	2.43	(1.83 - 3.23)	1.41	(1.00 - 1.99)
Board 9 (Butler)	6.58	(4.98 - 8.64)	2.68	(2.01 - 3.57)	1.54	(1.09 - 2.17)
Board 12	6.42	(4.86 - 8.43)	2.59	(1.93 - 3.48)	1.42	(1.01 - 1.99)
Boards 18 and 47	5.58	(4.53 - 6.84)	2.28	(1.73 - 2.99)	1.38	(0.96 - 1.98)
Boards 20, 32, 54, and 69	4.82	(3.66 - 6.32)	2.31	(1.69 - 3.16)	1.24	(0.88 - 1.73)
Boards 21, 39, 51, 70, and 80	5.08	(3.86 - 6.67)	2.20	(1.63 - 2.97)	1.32	(0.93 - 1.87)
Boards 22, 74, and 87	3.93	(2.90 - 5.32)	2.18	(1.59 - 2.98)	1.29	(0.92 - 1.81)
Boards 23 and 45	5.36	(4.03 - 7.10)	2.48	(1.85 - 3.30)	1.29	(0.91 - 1.82)
Board 25 (Franklin)	8.88	(7.36 - 10.69)	3.25	(2.56 - 4.13)	1.90	(1.43 - 2.52)
Boards 27, 71, and 73	4.25	(3.19 - 5.64)	2.26	(1.70 - 3.01)	1.25	(0.86 - 1.81)
Boards 28, 43, and 67	5.18	(4.00 - 6.68)	2.23	(1.68 - 2.96)	1.16	(0.84 - 1.59)
Board 31 (Hamilton)	5.95	(4.73 - 7.47)	2.37	(1.82 - 3.08)	1.46	(1.04 - 2.05)
Board 48 (Lucas)	6.01	(4.55 - 7.90)	2.63	(1.94 - 3.56)	1.29	(0.90 - 1.86)
Board 50 (Mahoning)	5.28	(3.95 - 7.02)	2.35	(1.69 - 3.26)	1.20	(0.83 - 1.75)
Board 57 (Montgomery)	5.87	(4.56 - 7.51)	2.57	(1.96 - 3.36)	1.53	(1.07 - 2.19)
Board 76 (Stark)	6.49	(4.92 - 8.52)	2.71	(2.00 - 3.66)	1.18	(0.83 - 1.68)
Board 77 (Summit)	6.42	(4.91 - 8.35)	2.68	(2.00 - 3.59)	1.33	(0.93 - 1.89)
Oklahoma	5.39	(4.46 - 6.49)	3.32	(2.64 - 4.16)	1.16	(0.85 - 1.59)
Central	5.90	(4.38 - 7.89)	3.52	(2.55 - 4.85)	1.36	(0.90 - 2.03)
East Central	5.07	(3.50 - 7.28)	3.06	(2.08 - 4.48)	1.02	(0.65 - 1.59)
Northeast	4.64	(3.31 - 6.47)	3.33	(2.29 - 4.84)	1.07	(0.69 - 1.66)
Northwest and Southwest	4.75	(3.43 - 6.53)	3.10	(2.18 - 4.41)	1.12	(0.76 - 1.64)
Oklahoma City Metro	6.04	(4.50 - 8.07)	3.38	(2.43 - 4.67)	1.30	(0.86 - 1.96)
Southeast	4.38	(3.08 - 6.19)	3.12	(2.12 - 4.58)	1.01	(0.66 - 1.53)
Tulsa Metro	6.34	(4.56 - 8.73)	3.61	(2.54 - 5.12)	1.18	(0.77 - 1.80)

See notes at end of table.

(continued)

Table C2. Any Illicit Drug Use in Past Month, Any Illicit Drug Use Other Than Marijuana in Past Month, and Cocaine Use in Past Year among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Illicit Drug Use in Past Month ¹		Any Illicit Drug Use Other Than Marijuana in Past Month ¹		Cocaine Use in Past Year	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Oregon	8.51	(7.26 - 9.94)	3.15	(2.54 - 3.89)	1.53	(1.15 - 2.05)
Region 1 (Multnomah)	10.79	(8.40 - 13.76)	3.41	(2.46 - 4.71)	1.98	(1.29 - 3.03)
Region 2	7.79	(6.02 - 10.03)	2.95	(2.12 - 4.08)	1.24	(0.86 - 1.78)
Region 3	8.76	(7.01 - 10.90)	3.42	(2.55 - 4.56)	1.69	(1.19 - 2.40)
Region 4	6.62	(4.80 - 9.06)	2.73	(1.88 - 3.97)	1.26	(0.83 - 1.91)
Region 5	7.74	(5.57 - 10.67)	2.85	(1.96 - 4.14)	1.26	(0.84 - 1.91)
Pennsylvania	5.83	(5.28 - 6.43)	2.64	(2.29 - 3.04)	1.53	(1.28 - 1.82)
Regions 1, 27, and 47	7.63	(6.23 - 9.32)	3.07	(2.38 - 3.95)	1.81	(1.30 - 2.50)
Regions 2, 3, 8, and 9	4.23	(3.25 - 5.50)	2.16	(1.62 - 2.86)	1.42	(1.03 - 1.94)
Regions 4 and 42	5.07	(3.78 - 6.77)	2.50	(1.83 - 3.41)	1.42	(1.02 - 1.99)
Regions 5 and 28	4.17	(3.00 - 5.77)	2.21	(1.59 - 3.07)	1.44	(0.97 - 2.13)
Regions 6, 16, and 39	3.95	(2.91 - 5.34)	2.07	(1.48 - 2.88)	1.29	(0.92 - 1.81)
Region 7 (Bucks)	5.40	(4.12 - 7.05)	2.34	(1.72 - 3.17)	1.16	(0.83 - 1.62)
Regions 10, 15, and 25	4.10	(2.98 - 5.62)	2.10	(1.52 - 2.91)	1.28	(0.91 - 1.79)
Regions 11, 29, 44, and 48	4.71	(3.52 - 6.27)	2.31	(1.71 - 3.11)	1.30	(0.92 - 1.85)
Regions 12, 35, 41, and 45	6.52	(5.09 - 8.31)	2.78	(2.06 - 3.73)	1.79	(1.31 - 2.44)
Region 13 (Chester)	6.02	(4.53 - 7.96)	2.65	(1.93 - 3.63)	1.69	(1.16 - 2.47)
Regions 14, 31, 36, and 46	4.93	(3.72 - 6.50)	2.34	(1.73 - 3.17)	1.41	(0.98 - 2.02)
Regions 17, 24, and 43	4.43	(3.38 - 5.79)	2.11	(1.53 - 2.91)	1.24	(0.87 - 1.75)
Region 18 (Philadelphia)	9.32	(7.40 - 11.69)	3.83	(2.75 - 5.31)	2.17	(1.48 - 3.16)
Regions 19 and 23	5.07	(3.74 - 6.84)	2.39	(1.75 - 3.26)	1.43	(1.00 - 2.05)
Regions 20, 26, and 40	4.05	(3.04 - 5.38)	2.05	(1.51 - 2.78)	1.19	(0.84 - 1.67)
Regions 21 and 32	4.43	(3.19 - 6.11)	2.10	(1.48 - 2.98)	1.47	(0.98 - 2.19)
Region 22 (Delaware)	6.10	(4.66 - 7.95)	2.61	(1.90 - 3.58)	1.24	(0.88 - 1.74)
Region 30 (Lancaster)	5.12	(3.86 - 6.77)	2.41	(1.76 - 3.29)	1.35	(0.98 - 1.84)
Region 33 (Lehigh)	4.49	(3.26 - 6.15)	2.50	(1.77 - 3.51)	1.49	(1.05 - 2.12)
Region 34	4.49	(3.33 - 6.04)	2.31	(1.71 - 3.13)	1.42	(0.98 - 2.05)
Region 37 (Montgomery)	5.52	(4.25 - 7.14)	2.78	(2.01 - 3.84)	1.40	(0.99 - 1.98)
Region 38 (Northampton)	5.65	(4.20 - 7.56)	2.54	(1.86 - 3.47)	1.48	(1.05 - 2.07)
Region 49	4.95	(3.68 - 6.61)	2.26	(1.64 - 3.10)	1.31	(0.91 - 1.88)
Rhode Island	8.35	(7.16 - 9.72)	3.08	(2.46 - 3.84)	1.71	(1.26 - 2.32)
Bristol and Newport	7.10	(5.28 - 9.48)	2.58	(1.84 - 3.60)	1.59	(1.04 - 2.43)
Kent	8.09	(6.12 - 10.64)	2.51	(1.81 - 3.48)	1.28	(0.85 - 1.91)
Providence	8.35	(6.91 - 10.07)	3.30	(2.51 - 4.34)	1.87	(1.31 - 2.67)
Washington	10.08	(7.77 - 12.96)	3.26	(2.38 - 4.46)	1.63	(1.13 - 2.35)
South Carolina	5.44	(4.55 - 6.49)	2.45	(1.99 - 3.02)	1.50	(1.11 - 2.02)
Region 1	6.07	(4.67 - 7.84)	2.73	(2.03 - 3.65)	1.59	(1.06 - 2.38)
Region 2	5.13	(3.95 - 6.63)	2.30	(1.69 - 3.11)	1.48	(1.01 - 2.19)
Region 3	4.76	(3.50 - 6.45)	2.27	(1.64 - 3.13)	1.30	(0.85 - 1.97)
Region 4	5.62	(4.28 - 7.35)	2.47	(1.84 - 3.31)	1.56	(1.06 - 2.27)

See notes at end of table.

(continued)

Table C2. Any Illicit Drug Use in Past Month, Any Illicit Drug Use Other Than Marijuana in Past Month, and Cocaine Use in Past Year among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Illicit Drug Use in Past Month ¹		Any Illicit Drug Use Other Than Marijuana in Past Month ¹		Cocaine Use in Past Year	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
South Dakota	4.58	(3.86 - 5.42)	2.13	(1.65 - 2.75)	1.38	(1.08 - 1.76)
Region 1 (Pennington)	5.54	(4.03 - 7.56)	2.54	(1.72 - 3.73)	1.45	(1.01 - 2.09)
Region 2	4.80	(3.66 - 6.27)	2.05	(1.41 - 2.97)	1.19	(0.83 - 1.71)
Region 3 (Minnehaha)	5.03	(3.81 - 6.60)	2.14	(1.52 - 3.01)	1.62	(1.16 - 2.27)
Region 4	4.00	(2.92 - 5.46)	1.99	(1.38 - 2.87)	1.31	(0.90 - 1.91)
Region 5	3.57	(2.59 - 4.91)	1.92	(1.34 - 2.74)	1.19	(0.83 - 1.70)
Region 6	3.69	(2.62 - 5.18)	1.90	(1.26 - 2.85)	1.17	(0.80 - 1.70)
Region 7	5.14	(3.81 - 6.88)	2.44	(1.73 - 3.43)	1.67	(1.16 - 2.38)
Tennessee	6.00	(5.10 - 7.04)	2.66	(2.16 - 3.27)	1.80	(1.34 - 2.41)
Region 1	5.90	(4.24 - 8.15)	2.67	(1.90 - 3.74)	1.58	(1.06 - 2.35)
Region 2	6.01	(4.57 - 7.86)	2.63	(1.96 - 3.52)	2.03	(1.37 - 3.00)
Region 3	5.15	(3.83 - 6.90)	2.66	(1.93 - 3.65)	1.63	(1.10 - 2.41)
Region 4 (Davidson)	8.26	(5.93 - 11.39)	3.26	(2.29 - 4.62)	2.43	(1.53 - 3.82)
Region 5	5.81	(4.39 - 7.65)	2.67	(1.96 - 3.64)	1.57	(1.08 - 2.29)
Region 6	5.26	(3.86 - 7.12)	2.49	(1.78 - 3.46)	1.52	(1.01 - 2.28)
Region 7 (Shelby)	6.19	(4.46 - 8.54)	2.42	(1.72 - 3.40)	1.88	(1.13 - 3.12)
Texas	5.42	(4.94 - 5.95)	2.83	(2.50 - 3.20)	2.09	(1.82 - 2.40)
Region 1	6.28	(4.85 - 8.10)	2.90	(2.18 - 3.85)	2.41	(1.80 - 3.22)
Regions 2 and 9	4.84	(3.74 - 6.23)	2.63	(1.98 - 3.48)	2.04	(1.56 - 2.67)
Region 3	5.08	(4.29 - 6.00)	2.81	(2.30 - 3.43)	1.95	(1.56 - 2.43)
Region 4	4.85	(3.63 - 6.44)	2.66	(1.97 - 3.60)	1.67	(1.18 - 2.37)
Region 5	5.50	(4.13 - 7.28)	2.84	(2.13 - 3.79)	1.79	(1.28 - 2.49)
Region 6	5.65	(4.81 - 6.62)	3.00	(2.46 - 3.66)	2.17	(1.73 - 2.73)
Region 7	7.16	(5.93 - 8.61)	2.98	(2.37 - 3.76)	2.43	(1.90 - 3.11)
Region 8	4.99	(4.03 - 6.16)	2.74	(2.13 - 3.51)	1.99	(1.53 - 2.59)
Region 10	5.23	(3.90 - 6.98)	2.75	(2.10 - 3.61)	2.45	(1.80 - 3.32)
Region 11	4.41	(3.54 - 5.48)	2.51	(1.95 - 3.23)	2.07	(1.61 - 2.65)
Utah	5.34	(4.48 - 6.35)	2.83	(2.30 - 3.48)	1.42	(1.06 - 1.90)
Bear River, Northeastern, Summit, Tooele, and Wasatch	4.79	(3.47 - 6.59)	2.65	(1.91 - 3.67)	1.37	(0.91 - 2.06)
Central, Four Corners, San Juan, and Southwest	5.05	(3.64 - 6.97)	2.65	(1.89 - 3.71)	1.33	(0.88 - 2.02)
Davis County	5.42	(4.01 - 7.30)	2.74	(1.99 - 3.74)	1.14	(0.76 - 1.72)
Salt Lake County	5.73	(4.52 - 7.24)	3.00	(2.24 - 3.99)	1.51	(1.05 - 2.16)
Utah County	4.55	(3.39 - 6.09)	2.67	(1.99 - 3.59)	1.43	(0.98 - 2.09)
Weber, Morgan	5.92	(4.22 - 8.25)	2.92	(2.05 - 4.13)	1.49	(0.98 - 2.25)
Vermont	9.15	(8.06 - 10.37)	3.11	(2.57 - 3.76)	2.06	(1.60 - 2.67)
Champlain Valley	10.88	(9.26 - 12.76)	3.62	(2.86 - 4.58)	2.49	(1.84 - 3.38)
Rural Northeast	8.05	(6.34 - 10.17)	2.89	(2.12 - 3.94)	1.68	(1.15 - 2.45)
Rural Southeast	8.14	(6.38 - 10.33)	2.87	(2.08 - 3.94)	1.80	(1.23 - 2.64)
Rural Southwest	8.03	(6.30 - 10.17)	2.54	(1.84 - 3.51)	1.97	(1.33 - 2.89)

See notes at end of table.

(continued)

Table C2. Any Illicit Drug Use in Past Month, Any Illicit Drug Use Other Than Marijuana in Past Month, and Cocaine Use in Past Year among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Illicit Drug Use in Past Month ¹		Any Illicit Drug Use Other Than Marijuana in Past Month ¹		Cocaine Use in Past Year	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Virginia	5.16	(4.34 - 6.13)	2.32	(1.85 - 2.90)	1.44	(1.09 - 1.90)
Region 1	6.06	(4.57 - 7.99)	2.73	(1.96 - 3.79)	1.43	(0.99 - 2.08)
Region 2	4.63	(3.46 - 6.17)	2.38	(1.66 - 3.39)	1.36	(0.94 - 1.95)
Region 3	4.77	(3.57 - 6.36)	2.10	(1.53 - 2.86)	1.40	(0.96 - 2.04)
Region 4	5.31	(3.92 - 7.15)	2.21	(1.58 - 3.07)	1.53	(0.99 - 2.37)
Region 5	5.38	(4.15 - 6.96)	2.26	(1.65 - 3.07)	1.49	(1.02 - 2.17)
Washington	7.79	(6.69 - 9.06)	3.09	(2.50 - 3.80)	1.66	(1.28 - 2.17)
Region 1	7.57	(5.58 - 10.20)	3.01	(2.11 - 4.27)	1.79	(1.22 - 2.60)
Region 2	8.24	(6.00 - 11.24)	3.09	(2.20 - 4.32)	1.74	(1.19 - 2.54)
Region 3	8.26	(6.36 - 10.65)	3.33	(2.44 - 4.53)	1.61	(1.14 - 2.25)
Region 4 (King)	7.13	(5.65 - 8.96)	3.14	(2.33 - 4.22)	1.74	(1.18 - 2.56)
Region 5	7.63	(5.77 - 10.01)	2.88	(2.06 - 4.00)	1.51	(1.02 - 2.22)
Region 6	8.63	(6.53 - 11.32)	3.00	(2.15 - 4.18)	1.59	(1.08 - 2.34)
West Virginia	4.94	(4.15 - 5.86)	2.52	(2.07 - 3.07)	1.22	(0.92 - 1.62)
Eastern Highland	4.81	(3.62 - 6.36)	2.38	(1.77 - 3.19)	1.26	(0.85 - 1.84)
Northern	4.76	(3.67 - 6.16)	2.52	(1.88 - 3.37)	1.15	(0.78 - 1.70)
South Central I	4.36	(3.24 - 5.83)	2.39	(1.77 - 3.22)	1.15	(0.77 - 1.71)
South Central II	5.00	(3.77 - 6.60)	2.51	(1.86 - 3.37)	1.36	(0.93 - 1.99)
South Central III	5.90	(4.28 - 8.08)	2.60	(1.89 - 3.56)	1.15	(0.76 - 1.72)
Southern	4.95	(3.65 - 6.67)	2.71	(1.98 - 3.70)	1.27	(0.85 - 1.89)
Wisconsin	6.14	(5.30 - 7.10)	2.55	(2.06 - 3.15)	1.62	(1.27 - 2.07)
Milwaukee	8.03	(6.21 - 10.32)	2.88	(2.03 - 4.07)	2.05	(1.39 - 3.01)
Northeastern	6.05	(4.72 - 7.72)	2.84	(2.05 - 3.92)	1.65	(1.18 - 2.29)
Northern and Western	4.76	(3.65 - 6.19)	2.17	(1.56 - 2.99)	1.39	(0.97 - 1.98)
Southeastern	5.15	(3.89 - 6.79)	2.37	(1.75 - 3.21)	1.34	(0.94 - 1.93)
Southern	7.26	(5.69 - 9.23)	2.57	(1.87 - 3.53)	1.80	(1.30 - 2.49)
Wyoming	6.07	(5.17 - 7.13)	2.59	(2.12 - 3.15)	1.56	(1.21 - 2.01)
Frontier 1	4.24	(3.12 - 5.74)	1.94	(1.38 - 2.71)	1.16	(0.79 - 1.68)
Frontier 2	4.42	(3.20 - 6.07)	2.26	(1.59 - 3.21)	1.29	(0.89 - 1.88)
Rural 1	7.68	(5.87 - 9.98)	2.65	(1.97 - 3.56)	1.65	(1.15 - 2.37)
Rural 2	6.65	(5.22 - 8.43)	3.03	(2.29 - 4.01)	1.75	(1.26 - 2.42)
Rural 3 (Laramie)	5.97	(4.47 - 7.95)	2.84	(2.05 - 3.92)	1.74	(1.20 - 2.52)
Rural 4	5.72	(4.25 - 7.65)	2.46	(1.81 - 3.33)	1.54	(1.05 - 2.27)

NOTE: For substate region definitions, see Section D.

NOTE: Estimates are based on a survey-weighted hierarchical Bayes estimation approach, and the 95 percent prediction (credible) intervals are generated by Markov Chain Monte Carlo techniques.

¹ Any Illicit Drug includes marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or any prescription-type psychotherapeutic used nonmedically. Any Illicit Drug Other Than Marijuana includes cocaine (including crack), heroin, hallucinogens, inhalants, or any prescription-type psychotherapeutic used nonmedically.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Table C3. Alcohol Use in Past Month, Binge Alcohol Use in Past Month, and 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 Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

State/Substate Region	Alcohol Use in Past Month		Binge Alcohol Use in Past Month ¹		Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
National	47.25		20.70		45.99	
Alabama	35.91	(33.08 - 38.83)	17.62	(15.71 - 19.70)	47.89	(45.04 - 50.76)
Region 1	31.38	(26.86 - 36.29)	16.09	(13.42 - 19.18)	46.90	(42.34 - 51.51)
Region 2	37.75	(33.72 - 41.94)	18.68	(15.77 - 22.00)	48.59	(44.54 - 52.66)
Region 3	39.51	(34.56 - 44.69)	18.75	(15.63 - 22.33)	45.62	(40.82 - 50.49)
Region 4	35.99	(30.99 - 41.30)	17.07	(14.12 - 20.50)	49.99	(45.14 - 54.85)
Alaska	50.91	(48.36 - 53.45)	20.94	(19.02 - 22.99)	44.79	(42.29 - 47.31)
Gulf Coast	47.76	(42.01 - 53.57)	20.02	(16.32 - 24.31)	42.46	(37.39 - 47.70)
Rural	36.31	(31.12 - 41.84)	19.90	(16.07 - 24.37)	46.27	(41.03 - 51.60)
Southeast	51.18	(45.55 - 56.79)	19.59	(16.18 - 23.52)	43.95	(39.01 - 49.02)
Urban	53.85	(50.76 - 56.92)	21.52	(19.24 - 24.00)	45.11	(42.11 - 48.15)
Arizona	49.06	(46.18 - 51.94)	21.54	(19.48 - 23.75)	45.64	(42.94 - 48.36)
Maricopa	51.96	(48.25 - 55.64)	22.17	(19.55 - 25.03)	45.20	(41.93 - 48.51)
Pima	48.97	(43.66 - 54.30)	21.89	(18.45 - 25.77)	44.99	(40.32 - 49.75)
Rural North	41.71	(35.89 - 47.78)	19.56	(15.78 - 23.98)	47.27	(41.93 - 52.69)
Rural South	41.99	(35.88 - 48.36)	19.89	(16.23 - 24.15)	47.11	(41.92 - 52.37)
Arkansas	36.79	(34.25 - 39.40)	19.15	(17.36 - 21.07)	48.23	(45.77 - 50.70)
Areas 1 and 5	41.63	(36.71 - 46.73)	21.23	(17.97 - 24.89)	48.87	(44.44 - 53.32)
Areas 2 and 3	28.84	(23.80 - 34.46)	14.94	(11.89 - 18.62)	47.18	(42.08 - 52.33)
Areas 4 and 7	35.84	(30.95 - 41.03)	20.46	(17.09 - 24.31)	48.45	(43.92 - 53.01)
Area 6	41.02	(35.32 - 46.97)	22.49	(18.84 - 26.63)	44.07	(39.04 - 49.22)
Areas 8 and 12	31.00	(25.94 - 36.57)	16.29	(13.25 - 19.87)	49.00	(44.14 - 53.87)
Area 9	42.70	(37.80 - 47.76)	19.86	(16.72 - 23.41)	50.49	(46.07 - 54.91)
Areas 10, 11, and 13	30.96	(26.06 - 36.33)	17.58	(14.30 - 21.44)	46.39	(41.29 - 51.56)
California	47.47	(45.94 - 49.01)	19.30	(18.22 - 20.43)	49.85	(48.31 - 51.40)
Region 1	49.27	(43.15 - 55.41)	21.44	(17.80 - 25.60)	42.63	(37.68 - 47.73)
Region 2	52.04	(47.70 - 56.35)	19.73	(17.11 - 22.65)	45.00	(41.10 - 48.97)
Region 3	40.83	(36.05 - 45.80)	18.90	(15.91 - 22.30)	49.05	(44.68 - 53.44)
Region 4	58.70	(53.54 - 63.66)	18.98	(15.91 - 22.47)	49.84	(45.34 - 54.34)
Region 5	49.29	(44.97 - 53.63)	17.77	(15.16 - 20.72)	48.45	(44.38 - 52.55)
Region 6 (Santa Clara)	49.47	(44.61 - 54.34)	18.48	(15.71 - 21.61)	48.55	(44.20 - 52.92)
Region 7	51.00	(45.73 - 56.25)	19.85	(16.46 - 23.75)	47.98	(43.56 - 52.44)
Region 8	40.33	(35.78 - 45.05)	20.77	(17.85 - 24.03)	50.34	(46.36 - 54.31)
Region 9	48.14	(42.75 - 53.57)	22.31	(18.94 - 26.08)	46.52	(41.93 - 51.18)
Region 10	52.19	(47.03 - 57.30)	20.11	(16.87 - 23.79)	48.03	(43.30 - 52.80)
Region 11 (Los Angeles)	42.66	(40.14 - 45.21)	18.56	(16.85 - 20.41)	55.04	(52.45 - 57.60)
Region 12	43.08	(38.90 - 47.36)	20.16	(17.44 - 23.18)	48.82	(44.99 - 52.65)
Region 13 (Riverside)	48.15	(43.10 - 53.23)	21.03	(17.63 - 24.88)	48.00	(43.53 - 52.51)
Region 14 (Orange)	47.67	(43.54 - 51.84)	18.43	(15.83 - 21.34)	49.68	(45.69 - 53.66)
Region 15	53.13	(49.01 - 57.22)	20.02	(17.43 - 22.89)	46.56	(42.63 - 50.52)

See notes at end of table.

(continued)

Table C3. Alcohol Use in Past Month, Binge Alcohol Use in Past Month, and 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 Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Alcohol Use in Past Month		Binge Alcohol Use in Past Month ¹		Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Colorado	58.57	(55.73 - 61.34)	23.05	(21.02 - 25.22)	42.79	(40.05 - 45.57)
Regions 1 and 4	49.81	(44.24 - 55.38)	21.72	(18.36 - 25.51)	43.58	(38.87 - 48.40)
Region 2	62.41	(58.78 - 65.91)	23.65	(20.87 - 26.68)	43.47	(39.77 - 47.25)
Region 3	54.59	(48.67 - 60.39)	21.83	(18.12 - 26.05)	43.33	(38.28 - 48.53)
Regions 5 and 6	56.56	(50.60 - 62.33)	23.19	(19.54 - 27.29)	39.15	(34.15 - 44.39)
Region 7 (Boulder)	66.28	(60.94 - 71.24)	24.70	(20.90 - 28.94)	40.41	(35.66 - 45.36)
Connecticut	56.62	(53.67 - 59.52)	21.40	(19.25 - 23.71)	43.79	(41.01 - 46.61)
Eastern	58.65	(52.56 - 64.48)	23.94	(20.04 - 28.32)	40.73	(35.83 - 45.82)
North Central	57.23	(52.62 - 61.71)	21.76	(18.45 - 25.48)	45.61	(41.38 - 49.90)
Northwestern	55.20	(49.30 - 60.95)	19.87	(16.32 - 23.97)	43.38	(38.27 - 48.64)
South Central	55.58	(50.60 - 60.46)	21.39	(18.00 - 25.23)	42.49	(38.05 - 47.05)
Southwest	57.00	(51.59 - 62.24)	20.65	(17.11 - 24.69)	44.98	(40.04 - 50.03)
Delaware	52.72	(49.86 - 55.57)	22.20	(20.19 - 24.36)	44.17	(41.39 - 46.99)
Kent	47.81	(42.37 - 53.30)	18.95	(15.79 - 22.58)	43.62	(38.86 - 48.50)
New Castle	56.11	(52.69 - 59.48)	23.49	(21.00 - 26.19)	44.22	(40.90 - 47.58)
Sussex	45.97	(40.61 - 51.42)	20.70	(17.25 - 24.62)	44.46	(39.69 - 49.33)
District of Columbia	49.54	(46.71 - 52.38)	21.87	(19.85 - 24.03)	52.70	(49.97 - 55.43)
Ward 1	51.65	(45.69 - 57.57)	26.41	(22.22 - 31.08)	51.81	(46.86 - 56.74)
Ward 2	58.13	(53.04 - 63.04)	27.74	(24.07 - 31.75)	44.36	(40.02 - 48.78)
Ward 3	71.11	(65.44 - 76.19)	23.86	(20.09 - 28.09)	45.23	(39.92 - 50.64)
Ward 4	44.44	(38.56 - 50.48)	17.67	(14.10 - 21.90)	56.75	(51.71 - 61.67)
Ward 5	41.29	(35.53 - 47.29)	18.66	(15.09 - 22.84)	56.61	(51.41 - 61.66)
Ward 6	50.18	(44.21 - 56.13)	22.19	(18.44 - 26.47)	53.02	(47.83 - 58.13)
Ward 7	37.14	(31.72 - 42.91)	19.07	(15.47 - 23.27)	59.45	(54.35 - 64.34)
Ward 8	36.12	(30.42 - 42.25)	18.23	(14.62 - 22.51)	57.02	(52.02 - 61.88)
Florida	47.86	(46.19 - 49.53)	19.22	(18.00 - 20.50)	49.13	(47.49 - 50.76)
District 1	47.88	(42.70 - 53.12)	23.00	(19.35 - 27.11)	45.73	(41.12 - 50.42)
District 2	39.58	(34.59 - 44.80)	18.46	(15.34 - 22.06)	48.27	(43.77 - 52.80)
District 3	43.29	(37.71 - 49.04)	20.16	(16.92 - 23.84)	47.85	(43.05 - 52.70)
District 4	47.25	(42.93 - 51.62)	18.21	(15.55 - 21.20)	46.76	(42.67 - 50.89)
District 7	48.14	(44.24 - 52.05)	18.99	(16.52 - 21.73)	49.07	(45.52 - 52.64)
District 8	48.95	(43.63 - 54.30)	19.57	(16.24 - 23.39)	45.81	(40.93 - 50.77)
District 9 (Palm Beach)	56.12	(50.96 - 61.15)	21.25	(17.77 - 25.20)	47.79	(43.02 - 52.60)
District 10 (Broward)	51.68	(47.20 - 56.14)	17.91	(15.17 - 21.01)	50.34	(46.41 - 54.27)
District 11	41.70	(38.25 - 45.23)	17.28	(15.12 - 19.66)	59.73	(56.34 - 63.02)
District 12	51.63	(45.54 - 57.67)	19.21	(15.89 - 23.03)	44.33	(39.35 - 49.42)
District 13	41.30	(35.57 - 47.28)	17.71	(14.36 - 21.64)	48.75	(43.55 - 53.98)
District 14	39.40	(34.48 - 44.55)	17.71	(14.70 - 21.18)	48.01	(43.40 - 52.65)
District 15	52.40	(46.29 - 58.44)	19.10	(15.62 - 23.14)	45.26	(40.18 - 50.44)
Suncoast	51.79	(48.38 - 55.19)	21.06	(18.61 - 23.74)	45.49	(42.16 - 48.86)

See notes at end of table.

(continued)

Table C3. Alcohol Use in Past Month, Binge Alcohol Use in Past Month, and 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 Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Alcohol Use in Past Month		Binge Alcohol Use in Past Month ¹		Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Georgia	43.17	(40.42 - 45.97)	20.12	(18.22 - 22.17)	48.69	(45.93 - 51.45)
Central	37.50	(31.90 - 43.45)	16.86	(13.47 - 20.90)	51.41	(46.04 - 56.74)
East Central	39.54	(33.54 - 45.88)	21.11	(17.51 - 25.23)	47.40	(41.96 - 52.91)
Metro	50.05	(45.51 - 54.59)	20.02	(17.20 - 23.17)	50.72	(46.58 - 54.85)
North	44.94	(40.33 - 49.63)	22.46	(19.16 - 26.15)	45.23	(40.74 - 49.80)
Southeast	36.23	(30.79 - 42.04)	19.11	(15.60 - 23.20)	50.03	(44.69 - 55.36)
Southwest	34.02	(28.62 - 39.88)	19.42	(15.92 - 23.47)	50.31	(45.21 - 55.40)
West Central	40.02	(34.24 - 46.08)	18.05	(14.57 - 22.14)	47.93	(42.64 - 53.27)
Hawaii	45.82	(43.00 - 48.66)	21.13	(19.06 - 23.35)	43.95	(41.24 - 46.70)
Hawaii Island	48.09	(42.24 - 53.99)	21.89	(17.95 - 26.43)	41.24	(36.15 - 46.53)
Honolulu	45.29	(42.04 - 48.58)	20.88	(18.52 - 23.45)	44.52	(41.29 - 47.80)
Kalawao, Kauai, and Maui	46.50	(41.38 - 51.70)	21.69	(17.95 - 25.97)	43.39	(38.71 - 48.18)
Idaho	42.70	(40.11 - 45.34)	19.37	(17.54 - 21.33)	43.61	(41.15 - 46.11)
Region 1	48.93	(43.14 - 54.76)	21.58	(17.87 - 25.82)	40.00	(35.45 - 44.73)
Region 2	50.34	(44.53 - 56.14)	23.69	(19.85 - 28.02)	38.37	(33.43 - 43.57)
Region 3	39.42	(34.39 - 44.68)	20.58	(17.20 - 24.43)	45.20	(40.88 - 49.60)
Region 4	49.93	(45.05 - 54.81)	19.25	(16.20 - 22.72)	43.43	(39.14 - 47.82)
Region 5	38.30	(33.00 - 43.90)	18.06	(14.86 - 21.77)	45.88	(41.26 - 50.58)
Region 6	35.14	(30.07 - 40.56)	17.65	(14.49 - 21.32)	45.47	(40.84 - 50.18)
Region 7	30.42	(25.48 - 35.86)	15.79	(12.93 - 19.14)	45.66	(41.23 - 50.15)
Illinois	51.00	(49.40 - 52.60)	23.64	(22.47 - 24.85)	44.07	(42.52 - 45.63)
Region I (Cook)	52.10	(49.72 - 54.48)	24.90	(23.02 - 26.88)	46.04	(43.70 - 48.41)
Region II	54.94	(52.35 - 57.50)	22.03	(20.21 - 23.97)	44.68	(42.19 - 47.20)
Region III	49.76	(45.88 - 53.64)	24.47	(21.75 - 27.40)	38.65	(35.20 - 42.21)
Region IV	44.17	(40.10 - 48.32)	24.07	(21.08 - 27.34)	40.26	(36.27 - 44.39)
Region V	41.35	(37.72 - 45.08)	21.36	(18.83 - 24.13)	42.95	(39.52 - 46.44)
Indiana	43.98	(41.24 - 46.75)	19.02	(17.17 - 21.02)	42.79	(40.27 - 45.34)
Central	49.54	(44.74 - 54.35)	20.05	(16.94 - 23.57)	43.68	(39.31 - 48.16)
East	38.16	(32.64 - 44.00)	18.17	(14.84 - 22.05)	42.31	(37.36 - 47.42)
North Central	40.72	(35.53 - 46.13)	17.11	(14.12 - 20.58)	41.83	(37.29 - 46.52)
Northeast	44.03	(38.25 - 49.97)	18.84	(15.48 - 22.73)	41.99	(36.98 - 47.18)
Northwest	46.70	(40.62 - 52.88)	18.52	(15.05 - 22.57)	44.01	(38.72 - 49.43)
Southeast and Southwest	40.05	(35.09 - 45.22)	18.99	(15.84 - 22.59)	43.12	(38.58 - 47.77)
West	45.00	(39.58 - 50.55)	20.80	(17.54 - 24.50)	41.44	(36.88 - 46.15)
Iowa	52.32	(49.65 - 54.99)	23.14	(21.26 - 25.13)	38.98	(36.46 - 41.55)
Central	52.60	(47.31 - 57.84)	22.21	(18.87 - 25.95)	43.36	(38.62 - 48.22)
North Central	54.05	(48.32 - 59.66)	22.63	(19.27 - 26.38)	37.37	(32.79 - 42.20)
Northeast	55.16	(50.33 - 59.89)	23.22	(20.09 - 26.66)	36.09	(31.98 - 40.42)
Northwest	52.38	(46.93 - 57.78)	23.00	(19.44 - 26.99)	39.83	(35.29 - 44.55)
Southeast and Southwest	49.24	(44.88 - 53.61)	23.85	(21.02 - 26.92)	39.08	(35.22 - 43.07)

See notes at end of table.

(continued)

Table C3. Alcohol Use in Past Month, Binge Alcohol Use in Past Month, and 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 Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Alcohol Use in Past Month		Binge Alcohol Use in Past Month ¹		Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Kansas	47.75	(44.99 - 50.52)	20.13	(18.33 - 22.05)	41.62	(38.97 - 44.31)
Region 1	44.88	(39.97 - 49.88)	17.93	(15.12 - 21.14)	42.40	(38.01 - 46.92)
Region 2	38.53	(33.30 - 44.05)	17.88	(14.81 - 21.43)	42.09	(37.26 - 47.06)
Region 3	41.25	(36.19 - 46.51)	19.53	(16.51 - 22.96)	44.66	(40.03 - 49.38)
Region 4	55.83	(51.38 - 60.19)	21.30	(18.51 - 24.39)	40.22	(36.33 - 44.23)
Region 5	51.13	(45.01 - 57.21)	24.63	(20.72 - 29.01)	39.27	(34.52 - 44.24)
Kentucky	35.89	(33.20 - 38.66)	18.64	(16.86 - 20.56)	47.48	(44.59 - 50.38)
Adanta, Cumberland River, and Lifeskills	26.03	(21.90 - 30.63)	16.08	(13.29 - 19.33)	47.84	(43.39 - 52.33)
Bluegrass, Comprehend, and North Key	41.29	(36.53 - 46.21)	19.86	(16.96 - 23.12)	45.74	(41.13 - 50.42)
Communicare and River Valley	35.42	(30.03 - 41.21)	19.53	(15.97 - 23.65)	46.43	(41.16 - 51.78)
Four Rivers and Pennyroyal	30.32	(25.40 - 35.73)	16.76	(13.83 - 20.17)	50.11	(44.93 - 55.29)
Kentucky River, Mountain, and Pathways	23.65	(19.34 - 28.58)	16.07	(13.26 - 19.35)	48.26	(43.33 - 53.21)
Seven Counties	46.61	(41.67 - 51.61)	21.00	(17.94 - 24.42)	48.31	(43.61 - 53.03)
Louisiana	43.88	(41.17 - 46.63)	22.43	(20.46 - 24.53)	48.20	(45.60 - 50.82)
Region 1	45.50	(39.62 - 51.51)	22.19	(18.31 - 26.64)	51.43	(46.43 - 56.39)
Regions 2 and 9	43.57	(39.11 - 48.14)	22.10	(18.98 - 25.57)	48.93	(44.68 - 53.20)
Region 3	47.58	(41.42 - 53.81)	25.93	(21.59 - 30.81)	45.78	(40.71 - 50.93)
Region 4	44.48	(39.36 - 49.71)	23.11	(19.62 - 27.01)	46.19	(41.60 - 50.84)
Regions 5 and 6	39.90	(34.39 - 45.69)	20.08	(16.61 - 24.06)	47.51	(42.60 - 52.46)
Regions 7 and 8	39.96	(35.32 - 44.78)	21.64	(18.43 - 25.23)	49.00	(44.61 - 53.40)
Region 10 (Jefferson)	51.29	(45.13 - 57.40)	24.27	(20.15 - 28.92)	46.16	(40.67 - 51.75)
Maine	52.04	(49.45 - 54.62)	21.31	(19.44 - 23.31)	42.36	(39.90 - 44.86)
Region 1	59.84	(55.89 - 63.66)	23.71	(20.79 - 26.90)	39.53	(35.75 - 43.44)
Region 2	48.71	(44.94 - 52.51)	19.96	(17.46 - 22.72)	45.24	(41.66 - 48.88)
Region 3	46.38	(41.95 - 50.87)	20.07	(17.13 - 23.38)	41.83	(37.81 - 45.97)
Maryland	47.05	(43.98 - 50.14)	18.26	(16.35 - 20.34)	48.38	(45.46 - 51.31)
Central and Eastern Shore	47.08	(42.75 - 51.46)	20.05	(17.22 - 23.23)	49.89	(45.58 - 54.20)
Southern	47.00	(42.58 - 51.47)	16.80	(14.22 - 19.73)	49.38	(45.36 - 53.40)
Western	47.05	(42.10 - 52.06)	17.01	(14.30 - 20.11)	44.95	(40.53 - 49.44)
Massachusetts	60.07	(57.11 - 62.95)	25.60	(23.41 - 27.93)	40.06	(37.22 - 42.97)
Boston	56.91	(51.26 - 62.39)	29.70	(25.60 - 34.16)	41.62	(36.62 - 46.80)
Central	59.00	(53.19 - 64.56)	24.31	(20.35 - 28.77)	39.49	(34.46 - 44.76)
Metrowest	65.27	(59.88 - 70.30)	25.44	(21.64 - 29.66)	42.26	(37.39 - 47.28)
Northeast	59.45	(54.08 - 64.61)	23.24	(19.62 - 27.29)	41.24	(36.35 - 46.31)
Southeast	59.73	(54.58 - 64.66)	26.69	(23.05 - 30.68)	36.52	(32.23 - 41.03)
Western	56.08	(50.29 - 61.70)	25.25	(21.22 - 29.75)	38.71	(33.81 - 43.84)

See notes at end of table.

(continued)

Table C3. Alcohol Use in Past Month, Binge Alcohol Use in Past Month, and 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 Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Alcohol Use in Past Month		Binge Alcohol Use in Past Month ¹		Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Michigan	49.04	(47.52 - 50.56)	21.85	(20.72 - 23.01)	43.94	(42.44 - 45.45)
Bay and Saginaw	50.15	(45.45 - 54.84)	23.13	(19.97 - 26.62)	42.19	(38.19 - 46.30)
Detroit City	38.76	(34.70 - 42.98)	20.92	(18.09 - 24.07)	52.04	(48.17 - 55.88)
Genesee	42.70	(37.80 - 47.74)	20.66	(17.57 - 24.14)	45.96	(41.61 - 50.36)
Kalamazoo	47.05	(42.46 - 51.70)	20.64	(17.78 - 23.83)	43.62	(39.66 - 47.67)
Kent	53.37	(48.65 - 58.04)	23.18	(19.99 - 26.71)	43.40	(39.42 - 47.47)
Lakeshore	45.87	(41.53 - 50.28)	21.62	(18.75 - 24.79)	42.70	(38.75 - 46.75)
Macomb	52.59	(48.30 - 56.84)	21.34	(18.66 - 24.28)	42.68	(38.88 - 46.57)
Mid South	47.64	(43.97 - 51.35)	21.36	(19.01 - 23.91)	41.90	(38.39 - 45.49)
Northern	48.60	(44.29 - 52.94)	21.96	(19.01 - 25.22)	39.40	(35.50 - 43.45)
Oakland	54.41	(50.83 - 57.95)	21.08	(18.60 - 23.79)	46.44	(42.92 - 49.98)
Pathways and Western	49.49	(43.74 - 55.25)	23.72	(20.18 - 27.66)	39.10	(34.62 - 43.77)
Southeast	48.74	(45.26 - 52.23)	22.22	(19.79 - 24.84)	44.38	(40.98 - 47.84)
St. Clair	50.14	(44.83 - 55.46)	22.44	(19.02 - 26.28)	41.90	(37.37 - 46.56)
Washtenaw	58.66	(54.17 - 63.01)	24.11	(21.09 - 27.42)	43.59	(39.71 - 47.54)
Minnesota	58.05	(55.34 - 60.71)	23.75	(21.77 - 25.85)	41.63	(39.04 - 44.26)
Regions 1 and 2	54.58	(48.78 - 60.27)	25.16	(21.09 - 29.72)	41.93	(36.86 - 47.18)
Regions 3 and 4	54.56	(48.94 - 60.06)	23.61	(19.98 - 27.68)	39.78	(35.19 - 44.55)
Regions 5 and 6	56.18	(51.09 - 61.15)	23.73	(20.38 - 27.44)	39.31	(34.89 - 43.91)
Region 7A (Hennepin)	62.67	(58.13 - 66.99)	22.26	(19.24 - 25.61)	42.42	(38.10 - 46.87)
Region 7B (Ramsey)	57.30	(51.62 - 62.80)	24.76	(21.00 - 28.94)	44.24	(39.24 - 49.35)
Region 7C	59.66	(55.00 - 64.15)	24.28	(20.97 - 27.94)	42.99	(38.59 - 47.50)
Mississippi	33.03	(30.41 - 35.75)	18.71	(16.84 - 20.73)	49.77	(47.12 - 52.41)
Regions 1 and 2	37.85	(32.32 - 43.73)	22.36	(18.40 - 26.89)	47.16	(41.92 - 52.46)
Regions 3, 4, 7, and 10	29.27	(25.14 - 33.77)	17.44	(14.53 - 20.80)	52.79	(48.41 - 57.12)
Regions 5, 6, 11, and 15	32.00	(27.38 - 37.01)	18.77	(15.51 - 22.53)	52.12	(47.49 - 56.71)
Regions 8 and 9	35.54	(31.08 - 40.27)	18.04	(15.13 - 21.38)	48.71	(44.26 - 53.17)
Region 12	31.09	(26.13 - 36.52)	18.81	(15.48 - 22.68)	46.05	(41.15 - 51.02)
Regions 13 and 14	35.34	(30.40 - 40.62)	18.69	(15.47 - 22.39)	47.36	(42.48 - 52.30)
Missouri	47.07	(44.35 - 49.81)	21.03	(19.10 - 23.09)	42.04	(39.34 - 44.80)
Central	42.91	(37.33 - 48.68)	19.39	(16.11 - 23.17)	39.14	(34.23 - 44.27)
Eastern	53.48	(49.13 - 57.78)	22.27	(19.22 - 25.65)	42.93	(38.91 - 47.04)
Northwest	50.37	(45.47 - 55.27)	22.28	(19.00 - 25.94)	42.52	(38.16 - 46.99)
Southeast	38.51	(33.25 - 44.05)	19.38	(16.11 - 23.14)	39.84	(34.92 - 44.96)
Southwest	36.98	(32.01 - 42.23)	18.81	(15.60 - 22.50)	43.61	(38.55 - 48.81)
Montana	54.41	(51.83 - 56.96)	23.30	(21.37 - 25.35)	39.45	(37.00 - 41.96)
Regions 1 and 3	52.11	(47.81 - 56.38)	21.25	(18.27 - 24.57)	39.37	(35.49 - 43.40)
Region 2	49.12	(43.86 - 54.39)	22.86	(19.36 - 26.78)	41.12	(36.59 - 45.80)
Region 4	57.24	(52.94 - 61.44)	23.93	(21.00 - 27.13)	39.41	(35.51 - 43.44)
Region 5	57.05	(52.77 - 61.22)	25.02	(21.95 - 28.37)	38.69	(34.79 - 42.74)

See notes at end of table.

(continued)

Table C3. Alcohol Use in Past Month, Binge Alcohol Use in Past Month, and 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 Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Alcohol Use in Past Month		Binge Alcohol Use in Past Month ¹		Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Nebraska	54.53	(51.83 - 57.20)	24.12	(22.09 - 26.27)	39.21	(36.79 - 41.69)
Regions 1 and 2	45.63	(39.40 - 52.01)	21.59	(17.90 - 25.79)	41.25	(36.23 - 46.47)
Region 3	49.35	(43.66 - 55.05)	21.72	(18.31 - 25.56)	41.47	(36.65 - 46.46)
Region 4	52.29	(46.49 - 58.02)	24.25	(20.29 - 28.70)	37.65	(32.84 - 42.72)
Region 5	59.11	(54.72 - 63.35)	25.57	(22.37 - 29.06)	36.47	(32.66 - 40.47)
Region 6	56.73	(52.83 - 60.55)	24.71	(21.74 - 27.94)	40.10	(36.52 - 43.78)
Nevada	52.81	(49.89 - 55.72)	23.64	(21.33 - 26.12)	44.00	(41.16 - 46.89)
Clark	51.45	(47.90 - 54.98)	23.36	(20.66 - 26.29)	44.74	(41.42 - 48.10)
Rural	52.57	(47.11 - 57.98)	22.74	(18.84 - 27.18)	43.06	(38.13 - 48.12)
Washoe	58.47	(52.93 - 63.80)	25.53	(21.41 - 30.13)	41.85	(37.14 - 46.71)
New Hampshire	59.74	(56.94 - 62.47)	20.94	(19.00 - 23.02)	39.40	(36.85 - 42.01)
Central	59.99	(55.51 - 64.31)	22.91	(19.93 - 26.20)	39.82	(35.82 - 43.97)
Northern	55.39	(49.34 - 61.29)	18.66	(15.25 - 22.63)	38.32	(33.21 - 43.70)
Southern	60.59	(57.07 - 64.00)	20.50	(18.14 - 23.08)	39.44	(36.28 - 42.69)
New Jersey	52.49	(49.76 - 55.21)	20.93	(18.95 - 23.06)	46.44	(43.75 - 49.16)
RHPA I	53.80	(48.53 - 58.98)	19.22	(15.87 - 23.07)	47.42	(42.67 - 52.22)
RHPA IIa (Bergen)	57.01	(50.89 - 62.93)	19.28	(15.57 - 23.64)	49.08	(43.38 - 54.81)
RHPA IIb (Hudson)	44.20	(38.21 - 50.38)	22.89	(18.95 - 27.37)	52.73	(47.47 - 57.94)
RHPA III	46.84	(41.49 - 52.26)	20.77	(17.24 - 24.80)	48.20	(43.11 - 53.34)
RHPA IVa	58.69	(52.98 - 64.18)	21.34	(17.48 - 25.79)	42.02	(36.82 - 47.40)
RHPA IVb (Middlesex)	52.43	(46.30 - 58.50)	21.73	(17.88 - 26.14)	46.67	(41.45 - 51.97)
RHPA V	50.77	(45.25 - 56.27)	21.21	(17.64 - 25.27)	44.65	(39.74 - 49.66)
RHPA VIa	52.96	(46.78 - 59.05)	22.55	(18.55 - 27.12)	44.59	(39.31 - 49.99)
RHPA VIb (Monmouth)	59.31	(53.34 - 65.02)	20.58	(16.70 - 25.09)	42.55	(37.20 - 48.08)
New Mexico	48.81	(46.30 - 51.34)	22.75	(20.73 - 24.91)	48.89	(46.41 - 51.38)
Region 1	39.21	(33.92 - 44.77)	20.97	(17.13 - 25.42)	49.16	(44.07 - 54.26)
Region 2	52.68	(48.50 - 56.81)	21.10	(17.99 - 24.58)	49.64	(45.35 - 53.93)
Region 3	44.85	(39.88 - 49.92)	23.84	(20.22 - 27.88)	49.63	(45.20 - 54.05)
Region 4	43.28	(38.17 - 48.53)	21.81	(18.41 - 25.63)	46.52	(42.04 - 51.06)
Region 5 (Bernalillo)	55.49	(51.23 - 59.67)	24.40	(21.25 - 27.85)	49.32	(45.44 - 53.22)
New York	48.61	(47.01 - 50.22)	20.34	(19.17 - 21.56)	47.41	(45.81 - 49.01)
New York City	41.16	(38.71 - 43.64)	18.51	(16.81 - 20.33)	54.44	(51.93 - 56.92)
Remainder of the State	54.06	(52.05 - 56.05)	21.68	(20.22 - 23.20)	42.28	(40.29 - 44.28)
North Carolina	38.49	(35.82 - 41.22)	17.43	(15.68 - 19.33)	46.89	(44.18 - 49.62)
Eastern	36.33	(32.00 - 40.89)	18.60	(15.87 - 21.69)	47.06	(42.88 - 51.28)
North Central	39.81	(35.25 - 44.54)	18.28	(15.30 - 21.69)	47.90	(43.24 - 52.59)
South Central	40.09	(36.06 - 44.25)	16.36	(13.76 - 19.35)	45.90	(41.82 - 50.04)
Western	37.71	(33.34 - 42.30)	16.90	(14.23 - 19.95)	46.80	(42.38 - 51.26)

See notes at end of table.

(continued)

Table C3. Alcohol Use in Past Month, Binge Alcohol Use in Past Month, and 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 Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Alcohol Use in Past Month		Binge Alcohol Use in Past Month ¹		Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
North Dakota	56.88	(54.13 - 59.60)	29.24	(27.00 - 31.58)	36.18	(33.67 - 38.76)
Badlands and West Central Lake Region and South Central	54.86	(50.49 - 59.15)	27.06	(23.78 - 30.60)	36.69	(32.80 - 40.76)
North Central and Northwest	51.16	(45.83 - 56.46)	27.51	(23.27 - 32.20)	38.25	(33.74 - 42.98)
Northeast	52.95	(47.80 - 58.04)	27.43	(23.62 - 31.59)	36.05	(31.69 - 40.66)
Southeast	60.60	(55.32 - 65.63)	32.43	(28.45 - 36.68)	35.49	(31.20 - 40.03)
	63.38	(58.67 - 67.84)	32.10	(28.28 - 36.17)	34.78	(30.64 - 39.17)
Ohio	46.47	(44.95 - 47.99)	21.53	(20.43 - 22.67)	42.42	(40.87 - 43.99)
Boards 2, 46, 55, and 68	44.72	(39.63 - 49.93)	21.79	(18.62 - 25.34)	42.33	(37.93 - 46.86)
Boards 3, 52, and 85	46.01	(40.70 - 51.40)	20.00	(16.87 - 23.55)	42.70	(37.90 - 47.64)
Boards 4 and 78	45.36	(39.50 - 51.35)	22.25	(18.69 - 26.26)	40.45	(35.60 - 45.49)
Boards 5 and 60	40.25	(35.51 - 45.18)	22.64	(19.30 - 26.38)	39.53	(35.28 - 43.95)
Boards 7, 15, 41, 79, and 84	40.99	(35.95 - 46.23)	20.90	(17.66 - 24.57)	40.14	(35.62 - 44.84)
Boards 8, 13, and 83	43.70	(38.30 - 49.24)	20.49	(17.21 - 24.20)	41.33	(36.65 - 46.16)
Board 9 (Butler)	48.87	(43.13 - 54.64)	22.69	(19.08 - 26.77)	40.15	(35.57 - 44.90)
Board 12	48.36	(42.50 - 54.26)	22.81	(19.17 - 26.92)	40.66	(35.76 - 45.74)
Boards 18 and 47	45.03	(41.35 - 48.77)	18.76	(16.42 - 21.35)	46.70	(43.17 - 50.27)
Boards 20, 32, 54, and 69	49.19	(43.74 - 54.66)	25.21	(21.09 - 29.82)	37.80	(33.29 - 42.54)
Boards 21, 39, 51, 70, and 80	43.15	(38.18 - 48.27)	19.78	(16.75 - 23.22)	42.87	(38.44 - 47.41)
Boards 22, 74, and 87	48.51	(43.46 - 53.59)	23.15	(19.77 - 26.92)	41.48	(37.19 - 45.90)
Boards 23 and 45	49.18	(43.56 - 54.83)	22.36	(18.81 - 26.37)	38.28	(33.75 - 43.02)
Board 25 (Franklin)	54.21	(50.60 - 57.78)	24.69	(22.19 - 27.38)	42.76	(39.35 - 46.25)
Boards 27, 71, and 73	31.61	(27.15 - 36.43)	19.16	(16.13 - 22.62)	43.47	(39.02 - 48.02)
Boards 28, 43, and 67	51.34	(46.11 - 56.54)	21.76	(18.68 - 25.20)	41.12	(36.83 - 45.56)
Board 31 (Hamilton)	51.43	(47.37 - 55.48)	22.40	(19.53 - 25.56)	42.09	(38.50 - 45.76)
Board 48 (Lucas)	47.15	(41.93 - 52.44)	23.09	(19.54 - 27.06)	43.80	(39.22 - 48.48)
Board 50 (Mahoning)	43.23	(37.47 - 49.17)	21.57	(17.97 - 25.67)	41.78	(36.76 - 46.98)
Board 57 (Montgomery)	42.12	(37.08 - 47.33)	19.51	(16.47 - 22.95)	44.46	(40.06 - 48.95)
Board 76 (Stark)	45.77	(40.40 - 51.23)	20.28	(17.13 - 23.85)	42.14	(37.49 - 46.93)
Board 77 (Summit)	51.85	(46.94 - 56.72)	23.07	(19.66 - 26.88)	40.41	(36.01 - 44.97)
Oklahoma	37.78	(34.96 - 40.68)	18.73	(16.91 - 20.70)	47.88	(45.11 - 50.67)
Central	42.89	(37.35 - 48.61)	19.26	(16.01 - 22.98)	45.52	(40.57 - 50.55)
East Central	32.22	(26.99 - 37.93)	18.75	(15.21 - 22.91)	47.82	(42.57 - 53.12)
Northeast	34.92	(29.93 - 40.27)	16.96	(13.98 - 20.42)	48.54	(43.82 - 53.29)
Northwest and Southwest	33.81	(29.03 - 38.93)	18.47	(15.35 - 22.05)	48.14	(43.34 - 52.97)
Oklahoma City Metro	41.98	(36.93 - 47.20)	19.68	(16.75 - 22.98)	48.10	(43.36 - 52.87)
Southeast	31.44	(26.24 - 37.16)	18.44	(15.07 - 22.37)	48.37	(43.24 - 53.53)
Tulsa Metro	43.22	(37.43 - 49.21)	18.97	(15.65 - 22.81)	48.08	(43.21 - 52.99)

See notes at end of table.

(continued)

Table C3. Alcohol Use in Past Month, Binge Alcohol Use in Past Month, and 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 Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Alcohol Use in Past Month		Binge Alcohol Use in Past Month ¹		Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Oregon	49.26	(46.35 - 52.18)	18.60	(16.84 - 20.51)	43.81	(41.13 - 46.53)
Region 1 (Multnomah)	53.11	(48.00 - 58.15)	20.80	(17.72 - 24.25)	44.97	(40.27 - 49.76)
Region 2	54.10	(48.64 - 59.47)	19.16	(16.10 - 22.64)	45.69	(41.04 - 50.42)
Region 3	48.17	(43.62 - 52.75)	18.42	(15.94 - 21.19)	41.77	(37.78 - 45.88)
Region 4	43.80	(37.87 - 49.91)	16.43	(13.34 - 20.08)	43.20	(38.06 - 48.50)
Region 5	43.25	(37.43 - 49.26)	17.08	(13.88 - 20.83)	44.61	(39.40 - 49.95)
Pennsylvania	48.80	(47.23 - 50.37)	22.06	(20.94 - 23.22)	40.85	(39.37 - 42.34)
Regions 1, 27, and 47	52.50	(48.74 - 56.24)	24.06	(21.49 - 26.82)	40.03	(36.73 - 43.42)
Regions 2, 3, 8, and 9	47.17	(42.66 - 51.73)	21.81	(19.00 - 24.91)	37.54	(33.64 - 41.60)
Regions 4 and 42	46.98	(41.75 - 52.28)	22.13	(18.84 - 25.81)	40.91	(36.25 - 45.74)
Regions 5 and 28	39.63	(33.86 - 45.71)	19.94	(16.51 - 23.89)	39.90	(35.24 - 44.76)
Regions 6, 16, and 39	41.16	(35.66 - 46.88)	20.14	(16.84 - 23.91)	39.04	(34.50 - 43.78)
Region 7 (Bucks)	58.81	(53.76 - 63.68)	22.53	(19.15 - 26.31)	39.45	(34.89 - 44.20)
Regions 10, 15, and 25	45.41	(39.72 - 51.23)	23.48	(19.63 - 27.83)	36.71	(32.03 - 41.65)
Regions 11, 29, 44, and 48	50.66	(45.15 - 56.15)	23.66	(20.06 - 27.69)	38.21	(33.75 - 42.88)
Regions 12, 35, 41, and 45	50.02	(44.94 - 55.09)	25.72	(22.23 - 29.56)	37.36	(33.12 - 41.81)
Region 13 (Chester)	59.64	(54.03 - 65.00)	22.84	(19.14 - 27.03)	39.62	(34.96 - 44.49)
Regions 14, 31, 36, and 46	44.12	(38.24 - 50.16)	20.91	(17.50 - 24.77)	41.07	(36.19 - 46.13)
Regions 17, 24, and 43	45.03	(40.10 - 50.05)	21.80	(18.54 - 25.45)	43.99	(39.50 - 48.59)
Region 18 (Philadelphia)	41.52	(37.60 - 45.54)	21.27	(18.61 - 24.21)	46.43	(42.85 - 50.05)
Regions 19 and 23	46.33	(40.83 - 51.92)	22.52	(19.04 - 26.42)	38.52	(34.05 - 43.19)
Regions 20, 26, and 40	42.29	(37.31 - 47.44)	18.16	(15.32 - 21.41)	40.95	(36.74 - 45.30)
Regions 21 and 32	45.26	(39.89 - 50.74)	18.38	(15.19 - 22.07)	42.88	(38.38 - 47.51)
Region 22 (Delaware)	56.53	(51.40 - 61.53)	22.51	(18.96 - 26.50)	39.43	(35.23 - 43.79)
Region 30 (Lancaster)	47.59	(42.27 - 52.98)	21.34	(18.14 - 24.92)	41.41	(36.91 - 46.07)
Region 33 (Lehigh)	51.76	(45.58 - 57.88)	21.66	(18.10 - 25.71)	40.52	(35.38 - 45.87)
Region 34	50.65	(44.48 - 56.80)	23.84	(20.13 - 28.01)	39.08	(34.58 - 43.78)
Region 37 (Montgomery)	56.32	(51.45 - 61.08)	22.73	(19.54 - 26.28)	42.27	(38.06 - 46.59)
Region 38 (Northampton)	52.66	(46.39 - 58.84)	23.11	(19.25 - 27.47)	37.91	(33.08 - 42.99)
Region 49	44.45	(39.54 - 49.47)	18.78	(15.75 - 22.23)	41.20	(36.89 - 45.66)
Rhode Island	55.05	(52.17 - 57.90)	22.84	(20.78 - 25.05)	44.20	(41.47 - 46.97)
Bristol and Newport	62.32	(56.48 - 67.82)	22.26	(18.44 - 26.60)	42.13	(37.02 - 47.41)
Kent	60.10	(54.71 - 65.26)	22.62	(19.04 - 26.65)	41.99	(37.31 - 46.82)
Providence	50.54	(46.79 - 54.28)	22.65	(20.07 - 25.45)	46.15	(42.67 - 49.67)
Washington	62.66	(57.39 - 67.64)	24.76	(20.89 - 29.09)	39.76	(35.15 - 44.56)
South Carolina	39.25	(36.51 - 42.06)	19.09	(17.14 - 21.21)	48.77	(46.11 - 51.44)
Region 1	36.65	(31.90 - 41.67)	18.74	(15.72 - 22.19)	49.17	(44.82 - 53.53)
Region 2	40.36	(36.21 - 44.66)	19.41	(16.50 - 22.71)	48.79	(44.69 - 52.89)
Region 3	38.08	(33.18 - 43.24)	18.25	(15.08 - 21.92)	47.94	(43.33 - 52.59)
Region 4	41.43	(36.91 - 46.11)	19.65	(16.70 - 22.98)	48.92	(44.63 - 53.23)

See notes at end of table.

(continued)

Table C3. Alcohol Use in Past Month, Binge Alcohol Use in Past Month, and 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 Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Alcohol Use in Past Month		Binge Alcohol Use in Past Month ¹		Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
South Dakota	52.44	(49.87 - 55.00)	24.92	(22.99 - 26.95)	36.53	(34.03 - 39.11)
Region 1 (Pennington)	52.77	(47.55 - 57.92)	24.42	(20.82 - 28.41)	37.19	(32.71 - 41.91)
Region 2	49.16	(44.19 - 54.13)	25.16	(21.45 - 29.29)	37.32	(32.95 - 41.92)
Region 3 (Minnehaha)	56.78	(52.11 - 61.34)	24.67	(21.36 - 28.32)	38.65	(34.56 - 42.91)
Region 4	53.08	(47.67 - 58.42)	25.66	(21.81 - 29.92)	34.72	(30.15 - 39.59)
Region 5	47.25	(41.10 - 53.49)	24.69	(20.81 - 29.03)	35.78	(30.94 - 40.92)
Region 6	52.97	(47.32 - 58.54)	22.68	(19.07 - 26.74)	35.70	(30.87 - 40.84)
Region 7	53.56	(48.34 - 58.69)	26.99	(23.21 - 31.14)	35.08	(30.84 - 39.58)
Tennessee	35.11	(32.34 - 37.99)	16.36	(14.57 - 18.33)	51.26	(48.42 - 54.09)
Region 1	29.07	(23.93 - 34.80)	15.09	(12.11 - 18.64)	51.74	(46.38 - 57.06)
Region 2	34.22	(29.42 - 39.36)	15.77	(13.03 - 18.96)	50.72	(45.95 - 55.48)
Region 3	32.35	(27.56 - 37.55)	15.50	(12.75 - 18.72)	50.13	(45.40 - 54.86)
Region 4 (Davidson)	45.10	(39.32 - 51.01)	18.20	(14.85 - 22.10)	52.90	(47.70 - 58.04)
Region 5	37.78	(33.06 - 42.74)	17.05	(14.09 - 20.49)	50.28	(45.40 - 55.15)
Region 6	30.94	(25.78 - 36.62)	18.27	(14.85 - 22.26)	50.79	(45.73 - 55.84)
Region 7 (Shelby)	35.17	(29.44 - 41.36)	15.25	(12.13 - 19.00)	53.43	(48.12 - 58.66)
Texas	43.84	(42.29 - 45.40)	22.15	(20.99 - 23.36)	48.99	(47.53 - 50.45)
Region 1	40.03	(35.25 - 45.01)	21.29	(18.08 - 24.90)	48.36	(44.03 - 52.71)
Regions 2 and 9	36.97	(32.28 - 41.92)	20.83	(17.72 - 24.33)	48.60	(44.21 - 53.02)
Region 3	43.78	(41.19 - 46.41)	20.66	(18.76 - 22.71)	50.99	(48.50 - 53.48)
Region 4	38.27	(33.13 - 43.68)	19.87	(16.55 - 23.67)	46.21	(41.64 - 50.85)
Region 5	40.39	(35.07 - 45.93)	21.33	(17.84 - 25.30)	46.10	(41.33 - 50.94)
Region 6	47.45	(44.62 - 50.30)	22.16	(20.07 - 24.40)	48.97	(46.26 - 51.70)
Region 7	49.19	(45.58 - 52.82)	26.05	(23.37 - 28.92)	44.11	(40.74 - 47.53)
Region 8	47.05	(43.25 - 50.89)	22.81	(20.19 - 25.66)	48.29	(44.87 - 51.73)
Region 10	38.88	(33.93 - 44.06)	24.80	(21.04 - 28.98)	54.91	(50.26 - 59.47)
Region 11	35.30	(31.76 - 39.02)	22.70	(19.86 - 25.81)	51.46	(47.77 - 55.14)
Utah	28.82	(26.49 - 31.28)	14.98	(13.33 - 16.80)	50.74	(48.21 - 53.27)
Bear River, Northeastern, Summit, Tooele, and Wasatch	29.82	(25.22 - 34.87)	15.00	(12.32 - 18.14)	49.37	(44.62 - 54.14)
Central, Four Corners, San Juan, and Southwest	26.26	(21.57 - 31.55)	14.44	(11.56 - 17.89)	49.35	(44.40 - 54.32)
Davis County	29.38	(24.81 - 34.41)	12.98	(10.45 - 16.00)	51.12	(46.66 - 55.55)
Salt Lake County	33.65	(30.15 - 37.34)	17.00	(14.52 - 19.81)	48.77	(45.07 - 52.49)
Utah County	17.93	(14.40 - 22.12)	11.54	(9.44 - 14.03)	57.08	(52.89 - 61.16)
Weber, Morgan	27.83	(23.15 - 33.03)	15.01	(12.20 - 18.34)	51.52	(46.68 - 56.33)
Vermont	58.77	(56.17 - 61.33)	21.90	(20.03 - 23.89)	39.54	(37.05 - 42.07)
Champlain Valley	61.85	(57.89 - 65.66)	23.14	(20.52 - 25.99)	38.60	(34.98 - 42.36)
Rural Northeast	56.83	(52.11 - 61.43)	20.21	(17.31 - 23.45)	39.04	(34.93 - 43.32)
Rural Southeast	56.52	(51.89 - 61.03)	21.35	(18.19 - 24.90)	40.23	(36.01 - 44.59)
Rural Southwest	57.36	(51.98 - 62.57)	22.16	(18.65 - 26.11)	41.49	(36.76 - 46.39)

See notes at end of table.

(continued)

Table C3. Alcohol Use in Past Month, Binge Alcohol Use in Past Month, and 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 Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Alcohol Use in Past Month		Binge Alcohol Use in Past Month ¹		Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Virginia	45.83	(43.06 - 48.62)	18.13	(16.31 - 20.10)	46.15	(43.57 - 48.74)
Region 1	46.01	(40.06 - 52.08)	18.61	(15.39 - 22.32)	45.33	(40.38 - 50.37)
Region 2	55.04	(50.30 - 59.70)	17.81	(15.05 - 20.95)	47.72	(43.42 - 52.06)
Region 3	37.22	(32.35 - 42.37)	16.86	(13.88 - 20.34)	47.03	(42.26 - 51.86)
Region 4	42.22	(36.95 - 47.67)	18.64	(15.33 - 22.48)	45.34	(40.51 - 50.26)
Region 5	45.33	(41.08 - 49.64)	18.81	(16.06 - 21.92)	44.85	(40.88 - 48.89)
Washington	49.26	(46.34 - 52.19)	18.52	(16.70 - 20.49)	46.26	(43.38 - 49.18)
Region 1	48.39	(41.98 - 54.84)	19.13	(15.80 - 22.99)	44.00	(38.73 - 49.40)
Region 2	45.13	(38.95 - 51.46)	20.10	(16.38 - 24.41)	48.08	(42.65 - 53.56)
Region 3	52.63	(47.27 - 57.92)	19.92	(16.71 - 23.57)	43.38	(38.69 - 48.20)
Region 4 (King)	52.01	(47.52 - 56.46)	17.26	(14.64 - 20.24)	48.82	(44.55 - 53.10)
Region 5	46.55	(40.95 - 52.25)	18.41	(15.25 - 22.06)	45.06	(40.06 - 50.15)
Region 6	46.37	(40.96 - 51.87)	18.21	(15.16 - 21.73)	46.35	(41.32 - 51.45)
West Virginia	35.58	(33.00 - 38.24)	18.66	(16.91 - 20.54)	44.94	(42.41 - 47.51)
Eastern Highland	37.79	(33.04 - 42.78)	19.67	(16.68 - 23.06)	42.98	(38.46 - 47.61)
Northern	38.97	(34.49 - 43.64)	19.81	(17.01 - 22.95)	42.74	(38.66 - 46.92)
South Central I	34.45	(29.51 - 39.76)	17.12	(14.20 - 20.50)	45.49	(40.71 - 50.36)
South Central II	33.35	(28.47 - 38.61)	17.19	(14.31 - 20.50)	44.83	(40.13 - 49.63)
South Central III	39.30	(33.82 - 45.07)	20.12	(16.53 - 24.28)	48.18	(42.87 - 53.52)
Southern	28.13	(23.56 - 33.20)	16.84	(13.97 - 20.17)	47.51	(42.93 - 52.13)
Wisconsin	60.25	(57.50 - 62.94)	27.84	(25.68 - 30.11)	38.25	(35.69 - 40.87)
Milwaukee	54.26	(48.99 - 59.44)	27.09	(23.13 - 31.45)	44.22	(39.73 - 48.80)
Northeastern	64.82	(60.10 - 69.27)	32.49	(28.35 - 36.92)	35.20	(31.10 - 39.54)
Northern and Western	58.70	(53.93 - 63.31)	26.15	(22.78 - 29.83)	37.79	(33.47 - 42.31)
Southeastern	60.09	(55.03 - 64.94)	25.12	(21.58 - 29.01)	38.48	(34.07 - 43.10)
Southern	62.62	(57.63 - 67.35)	28.14	(24.39 - 32.22)	36.55	(32.16 - 41.17)
Wyoming	52.29	(49.57 - 55.00)	24.66	(22.61 - 26.83)	39.72	(37.11 - 42.38)
Frontier 1	44.88	(39.39 - 50.50)	20.99	(17.64 - 24.78)	41.30	(36.62 - 46.14)
Frontier 2	48.94	(42.95 - 54.96)	22.93	(18.98 - 27.44)	41.31	(36.24 - 46.57)
Rural 1	56.49	(51.74 - 61.12)	26.56	(23.18 - 30.24)	38.39	(34.12 - 42.85)
Rural 2	51.68	(46.88 - 56.46)	26.07	(22.72 - 29.72)	39.57	(35.37 - 43.94)
Rural 3 (Laramie)	53.86	(48.82 - 58.81)	24.64	(21.15 - 28.50)	39.75	(35.36 - 44.30)
Rural 4	55.20	(49.30 - 60.95)	24.56	(20.65 - 28.93)	39.25	(34.46 - 44.27)

NOTE: For substate region definitions, see Section D.

NOTE: Estimates are based on a survey-weighted hierarchical Bayes estimation approach, and the 95 percent prediction (credible) intervals are generated by Markov Chain Monte Carlo techniques.

¹ 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.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Table C4. Cigarette Use in Past Month, Any Tobacco Product Use in Past Month, and Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

State/Substate Region	Cigarette Use in Past Month		Any Tobacco Product Use in Past Month ¹		Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
National	25.36		29.87		68.94	
Alabama	25.68	(23.33 - 28.19)	32.35	(29.70 - 35.11)	67.63	(64.90 - 70.25)
Region 1	26.20	(22.39 - 30.41)	34.40	(29.91 - 39.20)	66.51	(61.77 - 70.95)
Region 2	26.42	(23.00 - 30.15)	32.56	(28.67 - 36.70)	68.25	(64.23 - 72.01)
Region 3	23.46	(19.77 - 27.60)	28.99	(24.99 - 33.35)	69.25	(64.77 - 73.39)
Region 4	25.76	(21.74 - 30.24)	32.19	(27.81 - 36.90)	66.82	(62.03 - 71.29)
Alaska	25.94	(23.77 - 28.24)	32.68	(30.26 - 35.19)	66.47	(64.00 - 68.86)
Gulf Coast	27.28	(22.92 - 32.13)	34.98	(30.31 - 39.95)	67.59	(62.73 - 72.10)
Rural	30.13	(25.40 - 35.33)	41.30	(35.60 - 47.25)	62.72	(57.75 - 67.43)
Southeast	24.94	(20.97 - 29.37)	30.94	(26.39 - 35.90)	67.70	(62.79 - 72.25)
Urban	25.19	(22.63 - 27.94)	31.14	(28.28 - 34.15)	66.67	(63.60 - 69.60)
Arizona	24.34	(22.12 - 26.69)	28.85	(26.49 - 31.32)	71.58	(68.98 - 74.05)
Maricopa	23.97	(21.33 - 26.83)	28.42	(25.49 - 31.55)	72.44	(69.20 - 75.47)
Pima	23.55	(19.86 - 27.68)	26.89	(22.89 - 31.30)	73.15	(68.81 - 77.08)
Rural North	26.64	(21.99 - 31.87)	32.45	(27.56 - 37.75)	66.64	(61.47 - 71.43)
Rural South	24.98	(20.79 - 29.70)	30.15	(25.45 - 35.31)	70.00	(65.03 - 74.54)
Arkansas	28.69	(26.41 - 31.08)	34.14	(31.72 - 36.64)	65.15	(62.61 - 67.60)
Areas 1 and 5	29.72	(25.72 - 34.07)	36.04	(31.65 - 40.67)	66.03	(61.55 - 70.23)
Areas 2 and 3	27.51	(23.20 - 32.28)	33.67	(28.83 - 38.89)	63.45	(58.23 - 68.38)
Areas 4 and 7	29.83	(25.64 - 34.38)	34.38	(29.84 - 39.22)	64.45	(59.82 - 68.82)
Area 6	31.98	(27.26 - 37.09)	37.50	(32.62 - 42.66)	62.98	(57.74 - 67.93)
Areas 8 and 12	28.84	(24.46 - 33.66)	34.70	(29.91 - 39.83)	65.91	(60.71 - 70.76)
Area 9	25.21	(21.63 - 29.16)	29.60	(25.77 - 33.74)	66.88	(62.25 - 71.21)
Areas 10, 11, and 13	29.73	(25.09 - 34.83)	35.21	(30.46 - 40.27)	64.18	(59.04 - 69.01)
California	21.46	(20.26 - 22.71)	24.20	(22.91 - 25.54)	73.61	(72.27 - 74.91)
Region 1	28.14	(23.59 - 33.17)	33.58	(28.45 - 39.13)	70.83	(66.13 - 75.12)
Region 2	22.05	(19.05 - 25.38)	26.31	(22.94 - 29.99)	73.33	(69.81 - 76.57)
Region 3	25.95	(22.03 - 30.31)	28.94	(24.92 - 33.33)	70.30	(66.13 - 74.16)
Region 4	19.66	(16.44 - 23.35)	22.21	(18.77 - 26.06)	73.66	(69.39 - 77.53)
Region 5	20.46	(17.64 - 23.61)	23.56	(20.32 - 27.13)	72.69	(68.95 - 76.14)
Region 6 (Santa Clara)	17.57	(14.78 - 20.77)	20.40	(17.23 - 23.98)	71.99	(67.83 - 75.79)
Region 7	19.91	(16.73 - 23.52)	22.02	(18.56 - 25.91)	75.73	(71.60 - 79.42)
Region 8	23.66	(20.35 - 27.34)	26.81	(23.25 - 30.71)	71.93	(68.12 - 75.45)
Region 9	27.59	(23.33 - 32.29)	30.97	(26.89 - 35.37)	70.68	(66.29 - 74.71)
Region 10	21.02	(17.55 - 24.96)	23.33	(19.65 - 27.47)	73.33	(68.91 - 77.33)
Region 11 (Los Angeles)	19.80	(17.91 - 21.84)	21.36	(19.39 - 23.48)	75.76	(73.57 - 77.82)
Region 12	23.55	(20.43 - 26.99)	27.15	(23.79 - 30.80)	72.99	(69.44 - 76.28)
Region 13 (Riverside)	23.57	(19.93 - 27.64)	27.42	(23.58 - 31.63)	71.90	(67.65 - 75.80)
Region 14 (Orange)	19.82	(17.07 - 22.90)	22.10	(19.22 - 25.28)	73.88	(70.23 - 77.22)
Region 15	23.16	(20.16 - 26.46)	26.24	(22.93 - 29.84)	73.36	(69.82 - 76.63)

See notes at end of table.

(continued)

Table C4. Cigarette Use in Past Month, Any Tobacco Product Use in Past Month, and Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Cigarette Use in Past Month		Any Tobacco Product Use in Past Month ¹		Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Colorado	25.29	(23.09 - 27.62)	30.27	(27.88 - 32.77)	67.57	(64.93 - 70.10)
Regions 1 and 4	26.95	(23.14 - 31.14)	32.04	(27.63 - 36.80)	63.48	(58.56 - 68.14)
Region 2	23.92	(21.15 - 26.93)	28.77	(25.77 - 31.97)	70.02	(66.51 - 73.31)
Region 3	26.74	(22.67 - 31.25)	31.63	(27.01 - 36.65)	65.00	(59.88 - 69.80)
Regions 5 and 6	26.80	(22.73 - 31.32)	32.12	(27.37 - 37.28)	67.10	(61.94 - 71.88)
Region 7 (Boulder)	25.08	(21.25 - 29.34)	30.34	(25.92 - 35.15)	67.21	(62.19 - 71.87)
Connecticut	24.02	(21.73 - 26.48)	27.11	(24.67 - 29.69)	70.31	(67.73 - 72.78)
Eastern	26.25	(22.22 - 30.72)	30.82	(26.27 - 35.77)	68.34	(63.40 - 72.90)
North Central	23.18	(19.81 - 26.93)	25.86	(22.27 - 29.80)	71.38	(67.31 - 75.13)
Northwestern	22.96	(19.20 - 27.21)	26.81	(22.26 - 31.91)	69.82	(64.76 - 74.44)
South Central	26.40	(22.47 - 30.75)	29.15	(25.00 - 33.67)	69.38	(65.08 - 73.36)
Southwest	21.91	(18.32 - 25.98)	24.42	(20.64 - 28.65)	71.57	(67.03 - 75.72)
Delaware	26.10	(23.86 - 28.47)	30.61	(28.24 - 33.08)	69.39	(66.89 - 71.78)
Kent	27.37	(23.64 - 31.46)	32.51	(28.21 - 37.13)	67.76	(63.15 - 72.04)
New Castle	26.23	(23.54 - 29.11)	30.46	(27.60 - 33.48)	70.07	(67.06 - 72.92)
Sussex	24.72	(20.94 - 28.93)	29.60	(25.52 - 34.02)	68.52	(63.89 - 72.82)
District of Columbia	25.74	(23.43 - 28.19)	28.72	(26.35 - 31.22)	71.05	(68.52 - 73.45)
Ward 1	27.44	(23.13 - 32.22)	30.25	(25.77 - 35.13)	72.36	(67.69 - 76.59)
Ward 2	28.75	(24.85 - 32.98)	31.51	(27.53 - 35.78)	69.02	(64.54 - 73.16)
Ward 3	22.20	(18.44 - 26.47)	25.01	(20.98 - 29.54)	73.32	(68.52 - 77.62)
Ward 4	20.31	(16.61 - 24.60)	22.98	(18.90 - 27.63)	72.12	(67.07 - 76.66)
Ward 5	25.86	(21.57 - 30.67)	29.75	(25.05 - 34.91)	68.85	(63.55 - 73.70)
Ward 6	25.90	(21.69 - 30.61)	29.78	(25.30 - 34.68)	72.67	(67.84 - 77.02)
Ward 7	27.21	(22.89 - 32.02)	29.00	(24.56 - 33.89)	70.00	(65.03 - 74.54)
Ward 8	29.61	(24.83 - 34.87)	32.95	(27.91 - 38.41)	69.62	(64.69 - 74.14)
Florida	24.46	(23.13 - 25.84)	28.93	(27.55 - 30.34)	71.03	(69.59 - 72.43)
District 1	29.10	(25.02 - 33.54)	35.52	(31.03 - 40.29)	69.52	(64.87 - 73.80)
District 2	26.19	(22.48 - 30.28)	31.93	(27.72 - 36.45)	68.61	(64.12 - 72.77)
District 3	27.54	(23.58 - 31.89)	32.72	(28.14 - 37.65)	68.48	(63.70 - 72.90)
District 4	27.18	(23.77 - 30.88)	32.53	(28.55 - 36.77)	67.25	(63.33 - 70.93)
District 7	25.41	(22.26 - 28.83)	29.04	(25.91 - 32.38)	69.17	(65.68 - 72.45)
District 8	22.53	(19.04 - 26.44)	27.42	(23.61 - 31.60)	69.44	(64.61 - 73.87)
District 9 (Palm Beach)	21.58	(18.32 - 25.25)	26.47	(22.63 - 30.71)	73.42	(69.12 - 77.31)
District 10 (Broward)	21.42	(18.47 - 24.70)	24.95	(21.70 - 28.51)	74.14	(70.52 - 77.46)
District 11	20.12	(17.64 - 22.85)	21.89	(19.36 - 24.66)	78.19	(75.29 - 80.84)
District 12	25.42	(21.19 - 30.16)	30.06	(25.58 - 34.95)	65.67	(60.30 - 70.67)
District 13	28.05	(23.46 - 33.16)	34.44	(29.26 - 40.01)	65.04	(59.59 - 70.13)
District 14	26.86	(22.95 - 31.16)	33.89	(29.45 - 38.65)	69.67	(65.25 - 73.76)
District 15	24.59	(20.50 - 29.20)	28.83	(24.46 - 33.62)	66.81	(61.66 - 71.59)
Suncoast	26.10	(23.25 - 29.18)	31.28	(28.37 - 34.34)	70.64	(67.50 - 73.59)

See notes at end of table.

(continued)

Table C4. Cigarette Use in Past Month, Any Tobacco Product Use in Past Month, and Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Cigarette Use in Past Month		Any Tobacco Product Use in Past Month ¹		Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Georgia	25.33	(23.11 - 27.69)	32.10	(29.56 - 34.75)	69.51	(67.11 - 71.81)
Central	27.93	(23.21 - 33.19)	34.00	(28.97 - 39.42)	67.23	(61.97 - 72.10)
East Central	26.92	(22.48 - 31.88)	32.89	(27.87 - 38.33)	69.23	(64.25 - 73.79)
Metro	21.54	(18.38 - 25.07)	26.70	(23.19 - 30.53)	73.60	(69.99 - 76.93)
North	27.21	(23.50 - 31.26)	35.72	(31.38 - 40.31)	66.30	(62.03 - 70.31)
Southeast	26.03	(21.68 - 30.90)	32.34	(27.63 - 37.43)	70.42	(65.77 - 74.69)
Southwest	28.80	(24.13 - 33.98)	36.28	(31.09 - 41.81)	68.16	(63.09 - 72.83)
West Central	25.41	(21.19 - 30.14)	33.68	(28.76 - 38.99)	67.54	(62.43 - 72.25)
Hawaii	22.22	(20.01 - 24.60)	24.67	(22.44 - 27.06)	67.92	(65.20 - 70.53)
Hawaii Island	27.05	(22.25 - 32.44)	29.15	(24.52 - 34.25)	65.55	(60.14 - 70.58)
Honolulu	21.14	(18.73 - 23.77)	23.72	(21.23 - 26.40)	68.52	(65.30 - 71.56)
Kalawao, Kauai, and Maui	23.50	(19.69 - 27.79)	25.62	(21.54 - 30.16)	67.01	(62.31 - 71.40)
Idaho	24.17	(22.01 - 26.46)	29.55	(27.18 - 32.04)	68.65	(66.26 - 70.94)
Region 1	26.32	(22.17 - 30.94)	31.58	(27.02 - 36.52)	69.64	(65.06 - 73.85)
Region 2	23.94	(20.11 - 28.25)	30.94	(26.37 - 35.91)	67.33	(62.24 - 72.03)
Region 3	25.85	(22.09 - 30.00)	32.50	(28.15 - 37.18)	65.42	(60.69 - 69.87)
Region 4	24.63	(21.10 - 28.54)	30.33	(26.31 - 34.68)	69.37	(65.07 - 73.36)
Region 5	23.50	(19.64 - 27.85)	27.75	(23.50 - 32.44)	69.16	(64.56 - 73.41)
Region 6	23.79	(20.12 - 27.90)	28.49	(24.34 - 33.03)	68.43	(63.87 - 72.65)
Region 7	19.94	(16.62 - 23.73)	24.03	(20.28 - 28.22)	70.29	(66.16 - 74.11)
Illinois	26.85	(25.58 - 28.16)	31.28	(29.97 - 32.61)	67.66	(66.22 - 69.06)
Region I (Cook)	27.36	(25.36 - 29.45)	31.29	(29.17 - 33.48)	67.79	(65.54 - 69.97)
Region II	23.59	(21.70 - 25.59)	28.22	(26.23 - 30.31)	68.84	(66.53 - 71.05)
Region III	28.46	(25.39 - 31.75)	33.53	(30.16 - 37.07)	67.83	(64.41 - 71.07)
Region IV	31.68	(28.15 - 35.44)	36.66	(32.87 - 40.63)	63.05	(59.14 - 66.79)
Region V	28.41	(25.22 - 31.84)	33.23	(29.85 - 36.79)	66.96	(63.65 - 70.10)
Indiana	27.79	(25.61 - 30.09)	33.49	(31.08 - 36.00)	66.13	(63.58 - 68.60)
Central	25.50	(22.03 - 29.31)	31.04	(27.02 - 35.36)	66.89	(62.44 - 71.06)
East	29.09	(24.70 - 33.90)	35.03	(30.19 - 40.19)	65.48	(60.37 - 70.25)
North Central	27.04	(23.03 - 31.45)	32.34	(27.80 - 37.23)	66.72	(62.00 - 71.13)
Northeast	27.33	(23.19 - 31.89)	32.72	(28.19 - 37.59)	64.66	(59.51 - 69.49)
Northwest	28.18	(23.68 - 33.16)	33.01	(28.20 - 38.19)	67.10	(61.85 - 71.96)
Southeast and Southwest	30.80	(26.62 - 35.32)	37.32	(32.65 - 42.23)	65.86	(61.24 - 70.20)
West	27.59	(23.68 - 31.89)	33.77	(29.40 - 38.44)	65.04	(60.13 - 69.65)
Iowa	25.83	(23.72 - 28.05)	31.04	(28.74 - 33.43)	64.85	(62.39 - 67.23)
Central	24.41	(20.80 - 28.42)	29.76	(25.80 - 34.04)	62.06	(57.06 - 66.82)
North Central	25.55	(21.49 - 30.07)	30.25	(25.95 - 34.93)	64.05	(59.10 - 68.72)
Northeast	23.84	(20.54 - 27.49)	29.26	(25.55 - 33.26)	66.39	(62.31 - 70.24)
Northwest	25.74	(21.87 - 30.03)	31.06	(26.73 - 35.75)	64.41	(59.29 - 69.23)
Southeast and Southwest	28.31	(24.97 - 31.91)	33.42	(29.88 - 37.15)	65.65	(61.80 - 69.31)

See notes at end of table.

(continued)

Table C4. Cigarette Use in Past Month, Any Tobacco Product Use in Past Month, and Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Cigarette Use in Past Month		Any Tobacco Product Use in Past Month ¹		Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Kansas	25.44	(23.21 - 27.79)	31.47	(29.19 - 33.84)	64.83	(62.20 - 67.38)
Region 1	25.27	(21.58 - 29.36)	31.12	(27.14 - 35.41)	63.52	(58.91 - 67.89)
Region 2	27.41	(23.25 - 32.01)	34.11	(29.45 - 39.10)	63.66	(58.76 - 68.30)
Region 3	25.34	(21.56 - 29.52)	30.44	(26.15 - 35.09)	64.18	(59.41 - 68.70)
Region 4	24.22	(21.12 - 27.61)	30.44	(27.05 - 34.05)	66.39	(62.54 - 70.04)
Region 5	26.81	(22.57 - 31.54)	33.12	(28.37 - 38.24)	65.40	(60.33 - 70.14)
Kentucky	33.38	(30.83 - 36.03)	38.62	(35.98 - 41.32)	62.80	(60.10 - 65.43)
Adanta, Cumberland River, and Lifeskills	33.67	(29.39 - 38.23)	38.77	(34.38 - 43.35)	60.95	(56.24 - 65.47)
Bluegrass, Comprehend, and North Key	34.86	(30.49 - 39.50)	40.03	(35.46 - 44.78)	63.83	(59.16 - 68.24)
Communicare and River Valley	34.17	(29.24 - 39.47)	39.61	(34.26 - 45.23)	61.09	(55.53 - 66.38)
Four Rivers and Pennyroyal	34.28	(29.39 - 39.53)	39.01	(34.12 - 44.13)	61.68	(56.29 - 66.80)
Kentucky River, Mountain, and Pathways	35.69	(30.96 - 40.71)	41.17	(36.19 - 46.34)	60.24	(55.10 - 65.17)
Seven Counties	29.06	(25.21 - 33.24)	34.50	(30.26 - 38.99)	65.83	(61.48 - 69.94)
Louisiana	29.51	(27.14 - 32.00)	33.60	(31.17 - 36.12)	64.83	(62.34 - 67.24)
Region 1	26.50	(22.11 - 31.41)	28.63	(24.04 - 33.70)	69.82	(64.99 - 74.25)
Regions 2 and 9	28.37	(24.68 - 32.38)	32.08	(28.20 - 36.24)	66.49	(62.13 - 70.58)
Region 3	32.96	(27.98 - 38.34)	38.29	(33.24 - 43.61)	62.71	(57.59 - 67.56)
Region 4	31.86	(27.40 - 36.67)	34.67	(30.30 - 39.32)	61.80	(57.00 - 66.38)
Regions 5 and 6	29.26	(24.82 - 34.14)	33.65	(28.71 - 38.97)	61.60	(56.43 - 66.52)
Regions 7 and 8	30.26	(26.17 - 34.69)	35.80	(31.58 - 40.25)	63.81	(59.45 - 67.95)
Region 10 (Jefferson)	29.15	(24.63 - 34.12)	33.80	(29.03 - 38.91)	66.04	(60.68 - 71.03)
Maine	26.47	(24.39 - 28.67)	29.36	(27.15 - 31.67)	69.68	(67.42 - 71.85)
Region 1	23.93	(20.93 - 27.21)	26.14	(23.00 - 29.55)	71.14	(67.57 - 74.47)
Region 2	27.51	(24.50 - 30.73)	30.96	(27.59 - 34.54)	69.56	(66.26 - 72.67)
Region 3	28.40	(24.83 - 32.26)	31.35	(27.57 - 35.40)	67.84	(63.87 - 71.57)
Maryland	23.08	(20.79 - 25.54)	27.03	(24.58 - 29.63)	68.85	(66.12 - 71.46)
Central and Eastern Shore	26.45	(22.97 - 30.25)	30.10	(26.34 - 34.14)	70.17	(66.12 - 73.92)
Southern	22.00	(18.85 - 25.52)	26.85	(23.35 - 30.66)	67.17	(63.31 - 70.81)
Western	18.95	(15.92 - 22.39)	22.42	(18.97 - 26.28)	68.59	(63.89 - 72.94)
Massachusetts	23.10	(21.00 - 25.34)	26.81	(24.47 - 29.28)	72.29	(69.64 - 74.79)
Boston	26.72	(22.81 - 31.05)	28.05	(24.21 - 32.23)	71.82	(67.25 - 75.98)
Central	23.32	(19.70 - 27.37)	27.09	(23.00 - 31.61)	71.61	(66.68 - 76.06)
Metrowest	18.67	(15.61 - 22.17)	23.15	(19.64 - 27.07)	74.57	(70.14 - 78.55)
Northeast	23.30	(19.68 - 27.36)	26.79	(22.74 - 31.26)	72.18	(67.62 - 76.33)
Southeast	25.36	(21.47 - 29.69)	30.32	(26.13 - 34.86)	71.76	(67.33 - 75.81)
Western	23.83	(19.96 - 28.18)	26.79	(22.63 - 31.42)	70.19	(65.18 - 74.75)

See notes at end of table.

(continued)

Table C4. Cigarette Use in Past Month, Any Tobacco Product Use in Past Month, and Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Cigarette Use in Past Month		Any Tobacco Product Use in Past Month ¹		Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Michigan	27.45	(26.21 - 28.73)	31.73	(30.43 - 33.07)	66.84	(65.53 - 68.12)
Bay and Saginaw	27.32	(23.91 - 31.01)	32.35	(28.69 - 36.23)	65.16	(60.94 - 69.16)
Detroit City	31.25	(27.73 - 35.01)	33.71	(30.09 - 37.53)	69.22	(65.58 - 72.63)
Genesee	28.78	(25.13 - 32.73)	32.51	(28.46 - 36.85)	67.62	(63.11 - 71.82)
Kalamazoo	26.53	(23.21 - 30.14)	31.56	(27.81 - 35.57)	67.05	(63.07 - 70.80)
Kent	27.22	(23.89 - 30.82)	31.35	(27.74 - 35.20)	66.88	(62.97 - 70.57)
Lakeshore	25.18	(21.95 - 28.71)	29.48	(25.97 - 33.25)	65.45	(61.74 - 68.98)
Macomb	28.01	(24.77 - 31.49)	32.45	(29.07 - 36.02)	66.92	(63.28 - 70.36)
Mid South	27.67	(24.85 - 30.69)	32.42	(29.25 - 35.77)	65.23	(61.91 - 68.41)
Northern	30.58	(27.02 - 34.39)	36.42	(32.56 - 40.47)	64.52	(60.65 - 68.20)
Oakland	22.90	(20.33 - 25.69)	25.48	(22.71 - 28.47)	70.31	(66.91 - 73.50)
Pathways and Western	29.34	(25.15 - 33.92)	35.86	(31.09 - 40.92)	63.51	(58.66 - 68.10)
Southeast	28.32	(25.44 - 31.39)	32.76	(29.66 - 36.01)	66.15	(62.87 - 69.29)
St. Clair	28.47	(24.61 - 32.66)	33.51	(29.17 - 38.15)	68.99	(64.56 - 73.09)
Washtenaw	24.10	(21.05 - 27.43)	28.66	(25.36 - 32.20)	66.98	(62.83 - 70.88)
Minnesota	26.37	(24.22 - 28.63)	31.98	(29.68 - 34.36)	65.95	(63.45 - 68.37)
Regions 1 and 2	30.57	(25.96 - 35.60)	36.73	(31.77 - 41.99)	64.64	(59.34 - 69.61)
Regions 3 and 4	27.34	(23.40 - 31.67)	33.07	(28.65 - 37.82)	65.54	(60.90 - 69.91)
Regions 5 and 6	26.52	(22.89 - 30.50)	30.88	(26.86 - 35.20)	63.57	(59.05 - 67.86)
Region 7A (Hennepin)	25.56	(22.08 - 29.39)	30.76	(26.91 - 34.89)	68.11	(63.82 - 72.10)
Region 7B (Ramsey)	26.12	(22.22 - 30.42)	30.11	(25.80 - 34.80)	67.42	(62.45 - 72.03)
Region 7C	24.22	(20.89 - 27.89)	32.00	(28.07 - 36.20)	66.11	(61.64 - 70.31)
Mississippi	27.07	(24.60 - 29.70)	33.85	(31.30 - 36.51)	67.61	(64.98 - 70.12)
Regions 1 and 2	31.51	(26.35 - 37.17)	38.33	(32.91 - 44.06)	64.17	(58.80 - 69.20)
Regions 3, 4, 7, and 10	25.12	(21.43 - 29.22)	32.35	(28.32 - 36.65)	68.65	(64.46 - 72.57)
Regions 5, 6, 11, and 15	26.76	(22.58 - 31.41)	33.75	(28.92 - 38.95)	68.25	(63.50 - 72.66)
Regions 8 and 9	25.13	(21.39 - 29.27)	30.85	(26.80 - 35.21)	67.23	(62.70 - 71.46)
Region 12	28.38	(23.83 - 33.41)	33.87	(29.07 - 39.02)	68.25	(63.43 - 72.71)
Regions 13 and 14	28.71	(24.55 - 33.27)	36.48	(31.52 - 41.74)	67.64	(62.77 - 72.16)
Missouri	28.64	(26.25 - 31.15)	34.95	(32.41 - 37.57)	66.96	(64.40 - 69.42)
Central	28.41	(23.87 - 33.45)	33.99	(28.99 - 39.38)	65.01	(59.83 - 69.85)
Eastern	27.82	(24.32 - 31.62)	33.19	(29.50 - 37.09)	68.98	(65.05 - 72.66)
Northwest	28.24	(24.48 - 32.33)	34.55	(30.50 - 38.83)	65.35	(60.90 - 69.54)
Southeast	31.15	(26.59 - 36.12)	39.09	(34.03 - 44.38)	66.15	(61.14 - 70.83)
Southwest	29.39	(25.24 - 33.91)	37.33	(32.49 - 42.43)	67.15	(62.40 - 71.58)
Montana	24.23	(22.19 - 26.40)	32.17	(29.86 - 34.57)	70.14	(67.81 - 72.36)
Regions 1 and 3	23.33	(20.17 - 26.81)	31.56	(27.83 - 35.53)	67.31	(63.30 - 71.08)
Region 2	24.74	(20.90 - 29.03)	33.48	(29.03 - 38.24)	69.85	(65.34 - 74.00)
Region 4	23.68	(20.60 - 27.05)	31.63	(28.18 - 35.29)	72.86	(69.14 - 76.27)
Region 5	25.35	(22.07 - 28.93)	32.54	(28.89 - 36.41)	70.77	(66.87 - 74.39)

See notes at end of table.

(continued)

Table C4. Cigarette Use in Past Month, Any Tobacco Product Use in Past Month, and Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Cigarette Use in Past Month		Any Tobacco Product Use in Past Month ¹		Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Nebraska	24.38	(22.33 - 26.55)	31.69	(29.47 - 34.00)	64.26	(61.81 - 66.64)
Regions 1 and 2	25.06	(21.04 - 29.56)	31.72	(26.98 - 36.88)	66.53	(61.38 - 71.31)
Region 3	24.84	(21.10 - 28.99)	31.10	(26.78 - 35.77)	64.50	(59.64 - 69.07)
Region 4	24.06	(20.04 - 28.61)	32.11	(27.30 - 37.34)	59.76	(54.47 - 64.83)
Region 5	24.93	(21.73 - 28.43)	32.08	(28.41 - 35.97)	64.02	(59.76 - 68.07)
Region 6	23.78	(20.93 - 26.89)	31.50	(28.28 - 34.91)	65.14	(61.46 - 68.64)
Nevada	29.26	(26.76 - 31.89)	33.86	(31.12 - 36.70)	67.90	(65.23 - 70.46)
Clark	29.02	(26.07 - 32.16)	33.99	(30.72 - 37.43)	68.13	(64.90 - 71.20)
Rural	29.99	(25.60 - 34.79)	34.73	(30.12 - 39.64)	67.26	(62.56 - 71.64)
Washoe	29.59	(25.27 - 34.30)	32.59	(28.26 - 37.25)	67.51	(62.73 - 71.96)
New Hampshire	25.80	(23.61 - 28.12)	29.55	(27.19 - 32.04)	68.20	(65.69 - 70.62)
Central	27.54	(24.06 - 31.32)	31.26	(27.62 - 35.16)	67.70	(63.83 - 71.35)
Northern	25.47	(21.32 - 30.13)	30.20	(25.71 - 35.11)	68.03	(63.01 - 72.65)
Southern	25.04	(22.30 - 28.00)	28.59	(25.71 - 31.65)	68.48	(65.26 - 71.54)
New Jersey	22.88	(20.76 - 25.15)	26.50	(24.22 - 28.92)	73.01	(70.57 - 75.32)
RHPA I	22.12	(18.67 - 26.00)	26.12	(22.14 - 30.55)	73.45	(69.19 - 77.31)
RHPA IIa (Bergen)	19.48	(16.01 - 23.50)	21.60	(17.80 - 25.94)	74.02	(69.30 - 78.24)
RHPA IIb (Hudson)	25.65	(21.54 - 30.23)	26.59	(22.39 - 31.25)	76.36	(72.13 - 80.13)
RHPA III	21.83	(18.15 - 26.02)	23.91	(20.09 - 28.20)	75.51	(71.21 - 79.35)
RHPA IVa	20.50	(17.08 - 24.40)	25.45	(21.47 - 29.88)	73.77	(68.97 - 78.06)
RHPA IVb (Middlesex)	21.52	(17.86 - 25.69)	25.08	(20.99 - 29.66)	73.06	(68.29 - 77.34)
RHPA V	25.26	(21.35 - 29.61)	30.24	(25.76 - 35.12)	70.04	(65.27 - 74.41)
RHPA VIa	26.59	(22.06 - 31.68)	31.39	(26.48 - 36.75)	71.18	(66.01 - 75.86)
RHPA VIb (Monmouth)	22.76	(18.76 - 27.33)	27.46	(22.98 - 32.46)	70.29	(64.93 - 75.14)
New Mexico	26.59	(24.44 - 28.85)	30.64	(28.40 - 32.98)	69.19	(66.89 - 71.40)
Region 1	28.12	(23.52 - 33.22)	34.07	(29.10 - 39.42)	65.74	(60.79 - 70.36)
Region 2	23.72	(20.47 - 27.31)	27.72	(24.33 - 31.39)	72.23	(68.40 - 75.76)
Region 3	25.44	(21.85 - 29.40)	29.63	(25.65 - 33.95)	68.89	(64.68 - 72.82)
Region 4	32.04	(27.64 - 36.79)	36.20	(31.81 - 40.83)	65.60	(61.14 - 69.80)
Region 5 (Bernalillo)	25.25	(22.07 - 28.72)	28.51	(25.11 - 32.17)	70.83	(67.12 - 74.29)
New York	23.76	(22.45 - 25.13)	26.30	(24.96 - 27.68)	71.89	(70.48 - 73.26)
New York City	22.38	(20.36 - 24.54)	23.18	(21.18 - 25.31)	72.39	(70.08 - 74.59)
Remainder of the State	24.77	(23.11 - 26.51)	28.57	(26.90 - 30.30)	71.52	(69.75 - 73.23)
North Carolina	28.97	(26.64 - 31.42)	34.24	(31.86 - 36.71)	63.08	(60.45 - 65.63)
Eastern	29.07	(25.41 - 33.02)	33.61	(29.87 - 37.57)	65.74	(61.52 - 69.74)
North Central	29.75	(25.76 - 34.07)	34.99	(30.65 - 39.59)	65.25	(60.52 - 69.70)
South Central	27.98	(24.37 - 31.91)	33.79	(29.90 - 37.90)	62.07	(57.74 - 66.21)
Western	29.07	(25.38 - 33.06)	34.42	(30.60 - 38.45)	60.67	(56.15 - 65.03)

See notes at end of table.

(continued)

Table C4. Cigarette Use in Past Month, Any Tobacco Product Use in Past Month, and Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Cigarette Use in Past Month		Any Tobacco Product Use in Past Month ¹		Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
North Dakota	28.11	(25.83 - 30.51)	33.74	(31.38 - 36.19)	66.83	(64.39 - 69.18)
Badlands and West Central Lake Region and South Central	25.25	(21.92 - 28.89)	30.77	(27.15 - 34.65)	67.62	(63.51 - 71.47)
North Central and Northwest	28.09	(24.11 - 32.44)	33.62	(29.30 - 38.23)	67.56	(62.98 - 71.82)
Northeast	30.66	(26.70 - 34.94)	36.22	(31.80 - 40.89)	66.93	(62.45 - 71.13)
Southeast	28.22	(24.53 - 32.23)	33.74	(29.82 - 37.91)	66.86	(62.65 - 70.82)
Ohio	29.43	(28.11 - 30.78)	34.20	(32.83 - 35.60)	64.57	(63.21 - 65.91)
Boards 2, 46, 55, and 68	31.30	(27.25 - 35.65)	35.42	(31.13 - 39.95)	63.53	(59.10 - 67.74)
Boards 3, 52, and 85	26.81	(22.94 - 31.07)	31.46	(27.30 - 35.95)	63.89	(59.14 - 68.39)
Boards 4 and 78	31.21	(26.59 - 36.25)	36.35	(31.46 - 41.55)	64.54	(59.41 - 69.36)
Boards 5 and 60	35.28	(30.94 - 39.87)	39.85	(35.40 - 44.48)	62.36	(57.65 - 66.85)
Boards 7, 15, 41, 79, and 84	32.46	(28.18 - 37.06)	38.28	(33.64 - 43.15)	61.04	(56.26 - 65.61)
Boards 8, 13, and 83	27.45	(23.70 - 31.54)	33.21	(28.95 - 37.75)	62.88	(58.00 - 67.51)
Board 9 (Butler)	29.00	(25.01 - 33.34)	34.17	(29.63 - 39.01)	65.21	(60.42 - 69.71)
Board 12	31.31	(26.77 - 36.23)	35.76	(31.09 - 40.71)	63.81	(58.63 - 68.69)
Boards 18 and 47	27.38	(24.34 - 30.65)	31.84	(28.69 - 35.15)	66.93	(63.54 - 70.16)
Boards 20, 32, 54, and 69	31.40	(27.03 - 36.11)	37.55	(32.67 - 42.69)	59.64	(54.73 - 64.36)
Boards 21, 39, 51, 70, and 80	26.92	(23.34 - 30.82)	31.16	(27.07 - 35.58)	64.53	(60.11 - 68.72)
Boards 22, 74, and 87	27.67	(24.01 - 31.66)	33.06	(29.02 - 37.37)	64.75	(60.25 - 69.01)
Boards 23 and 45	30.38	(26.15 - 34.97)	35.91	(31.44 - 40.64)	64.32	(59.64 - 68.74)
Board 25 (Franklin)	29.75	(26.79 - 32.88)	34.06	(30.93 - 37.33)	66.30	(62.88 - 69.56)
Boards 27, 71, and 73	33.91	(29.72 - 38.37)	41.44	(36.73 - 46.32)	61.93	(57.22 - 66.42)
Boards 28, 43, and 67	27.23	(23.54 - 31.25)	30.99	(27.16 - 35.09)	62.25	(57.50 - 66.78)
Board 31 (Hamilton)	26.63	(23.57 - 29.92)	30.93	(27.64 - 34.42)	65.81	(62.15 - 69.29)
Board 48 (Lucas)	30.06	(25.86 - 34.63)	33.55	(29.15 - 38.24)	64.50	(59.85 - 68.89)
Board 50 (Mahoning)	29.70	(25.29 - 34.53)	35.63	(30.93 - 40.62)	64.45	(59.07 - 69.49)
Board 57 (Montgomery)	28.89	(24.88 - 33.25)	32.22	(27.98 - 36.78)	67.30	(63.03 - 71.30)
Board 76 (Stark)	30.79	(26.71 - 35.19)	36.10	(31.56 - 40.90)	63.86	(59.09 - 68.36)
Board 77 (Summit)	31.24	(27.31 - 35.45)	36.19	(31.96 - 40.64)	64.61	(60.30 - 68.69)
Oklahoma	29.29	(26.86 - 31.85)	36.72	(34.08 - 39.44)	65.00	(62.27 - 67.64)
Central	28.92	(24.76 - 33.46)	37.50	(32.64 - 42.64)	64.15	(59.10 - 68.90)
East Central	30.70	(25.76 - 36.12)	39.85	(34.47 - 45.49)	62.25	(56.77 - 67.43)
Northeast	25.85	(21.67 - 30.53)	34.33	(29.56 - 39.45)	64.82	(60.03 - 69.34)
Northwest and Southwest	27.72	(23.51 - 32.37)	35.07	(30.35 - 40.09)	65.31	(60.46 - 69.87)
Oklahoma City Metro	32.22	(27.87 - 36.89)	38.14	(33.44 - 43.07)	64.53	(59.82 - 68.97)
Southeast	31.98	(27.31 - 37.05)	39.69	(34.52 - 45.09)	66.53	(61.48 - 71.23)
Tulsa Metro	26.83	(22.67 - 31.45)	33.43	(28.62 - 38.61)	66.69	(61.44 - 71.56)

See notes at end of table.

(continued)

Table C4. Cigarette Use in Past Month, Any Tobacco Product Use in Past Month, and Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Cigarette Use in Past Month		Any Tobacco Product Use in Past Month ¹		Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Oregon	23.97	(21.65 - 26.44)	29.12	(26.70 - 31.67)	70.03	(67.39 - 72.54)
Region 1 (Multnomah)	24.31	(20.56 - 28.49)	27.21	(23.36 - 31.44)	71.58	(67.15 - 75.63)
Region 2	20.77	(17.44 - 24.55)	26.70	(22.91 - 30.86)	70.09	(65.42 - 74.39)
Region 3	25.15	(21.71 - 28.92)	30.24	(26.65 - 34.10)	70.89	(67.23 - 74.30)
Region 4	26.37	(21.84 - 31.46)	32.34	(27.35 - 37.77)	67.53	(62.12 - 72.51)
Region 5	23.23	(19.34 - 27.65)	29.85	(25.21 - 34.95)	68.09	(62.68 - 73.05)
Pennsylvania	26.26	(25.01 - 27.55)	31.68	(30.35 - 33.04)	66.50	(65.13 - 67.85)
Regions 1, 27, and 47	27.99	(25.08 - 31.10)	33.74	(30.62 - 37.00)	62.00	(58.53 - 65.34)
Regions 2, 3, 8, and 9	25.25	(22.04 - 28.75)	33.46	(29.86 - 37.27)	65.71	(61.72 - 69.50)
Regions 4 and 42	24.15	(20.68 - 28.00)	30.67	(26.67 - 34.99)	66.89	(62.54 - 70.97)
Regions 5 and 28	27.28	(23.16 - 31.83)	33.39	(28.92 - 38.18)	65.17	(60.10 - 69.91)
Regions 6, 16, and 39	28.06	(23.88 - 32.65)	34.55	(30.06 - 39.33)	67.24	(62.67 - 71.50)
Region 7 (Bucks)	23.11	(19.75 - 26.86)	27.12	(23.44 - 31.15)	67.08	(62.41 - 71.44)
Regions 10, 15, and 25	28.96	(24.68 - 33.66)	38.11	(33.13 - 43.35)	64.36	(59.43 - 69.00)
Regions 11, 29, 44, and 48	26.98	(23.27 - 31.05)	32.08	(28.03 - 36.43)	65.75	(60.94 - 70.25)
Regions 12, 35, 41, and 45	28.36	(24.59 - 32.46)	33.78	(29.66 - 38.15)	65.67	(61.17 - 69.91)
Region 13 (Chester)	23.08	(19.43 - 27.19)	28.70	(24.56 - 33.23)	68.88	(64.18 - 73.22)
Regions 14, 31, 36, and 46	27.14	(22.94 - 31.80)	32.91	(28.15 - 38.04)	65.79	(60.72 - 70.53)
Regions 17, 24, and 43	28.81	(24.90 - 33.05)	35.67	(31.38 - 40.20)	64.40	(59.82 - 68.73)
Region 18 (Philadelphia)	29.39	(25.98 - 33.05)	32.57	(29.03 - 36.31)	69.72	(66.15 - 73.06)
Regions 19 and 23	26.40	(22.40 - 30.83)	31.95	(27.46 - 36.80)	66.18	(61.42 - 70.64)
Regions 20, 26, and 40	23.69	(20.52 - 27.19)	29.53	(25.75 - 33.61)	65.17	(60.61 - 69.48)
Regions 21 and 32	25.47	(21.59 - 29.78)	30.48	(26.25 - 35.08)	67.69	(63.31 - 71.78)
Region 22 (Delaware)	24.56	(21.07 - 28.42)	28.83	(24.85 - 33.17)	67.45	(62.98 - 71.62)
Region 30 (Lancaster)	23.85	(20.46 - 27.62)	28.88	(25.04 - 33.04)	69.04	(64.66 - 73.10)
Region 33 (Lehigh)	25.90	(21.84 - 30.43)	30.07	(25.71 - 34.81)	66.54	(61.46 - 71.26)
Region 34	29.24	(24.88 - 34.01)	34.10	(29.44 - 39.08)	64.64	(59.46 - 69.49)
Region 37 (Montgomery)	21.54	(18.54 - 24.87)	26.32	(22.83 - 30.14)	72.13	(67.90 - 75.99)
Region 38 (Northampton)	23.96	(20.22 - 28.15)	29.56	(25.17 - 34.37)	64.48	(59.11 - 69.52)
Region 49	25.67	(22.22 - 29.45)	32.17	(28.06 - 36.58)	65.74	(61.20 - 70.00)
Rhode Island	26.88	(24.48 - 29.42)	30.20	(27.81 - 32.71)	71.02	(68.51 - 73.42)
Bristol and Newport	25.34	(21.17 - 30.02)	28.63	(24.12 - 33.61)	70.68	(65.67 - 75.24)
Kent	28.98	(24.66 - 33.72)	34.69	(30.08 - 39.61)	68.70	(64.09 - 72.97)
Providence	27.53	(24.50 - 30.78)	29.72	(26.72 - 32.90)	71.89	(68.70 - 74.88)
Washington	22.50	(18.89 - 26.57)	28.28	(24.16 - 32.81)	70.23	(65.48 - 74.58)
South Carolina	25.80	(23.53 - 28.22)	31.76	(29.32 - 34.32)	68.27	(65.68 - 70.74)
Region 1	27.37	(23.57 - 31.52)	32.90	(28.75 - 37.34)	67.28	(62.98 - 71.30)
Region 2	24.58	(21.36 - 28.12)	31.98	(28.09 - 36.13)	67.42	(63.41 - 71.18)
Region 3	25.72	(21.79 - 30.09)	31.96	(27.85 - 36.36)	67.83	(63.13 - 72.19)
Region 4	25.65	(22.20 - 29.44)	30.23	(26.46 - 34.30)	70.53	(66.44 - 74.32)

See notes at end of table.

(continued)

Table C4. Cigarette Use in Past Month, Any Tobacco Product Use in Past Month, and Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Cigarette Use in Past Month		Any Tobacco Product Use in Past Month ¹		Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
South Dakota	26.56	(24.42 - 28.83)	32.28	(29.93 - 34.72)	63.00	(60.42 - 65.51)
Region 1 (Pennington)	28.00	(24.00 - 32.39)	33.45	(28.94 - 38.28)	65.35	(60.57 - 69.85)
Region 2	27.18	(23.27 - 31.47)	34.38	(29.76 - 39.31)	63.36	(58.66 - 67.82)
Region 3 (Minnehaha)	26.02	(22.72 - 29.61)	31.55	(27.83 - 35.53)	63.15	(58.74 - 67.35)
Region 4	26.19	(22.27 - 30.53)	33.02	(28.63 - 37.73)	61.76	(56.63 - 66.64)
Region 5	25.42	(21.23 - 30.12)	29.48	(24.83 - 34.60)	62.72	(57.50 - 67.66)
Region 6	24.16	(20.16 - 28.67)	29.28	(24.72 - 34.29)	62.72	(57.39 - 67.75)
Region 7	29.06	(25.05 - 33.42)	34.00	(29.81 - 38.45)	62.02	(57.37 - 66.45)
Tennessee	29.32	(26.87 - 31.89)	34.99	(32.46 - 37.61)	66.65	(63.91 - 69.27)
Region 1	32.96	(27.94 - 38.40)	39.62	(34.11 - 45.42)	63.59	(57.88 - 68.94)
Region 2	28.41	(24.37 - 32.83)	35.23	(30.72 - 40.02)	65.11	(60.33 - 69.61)
Region 3	32.11	(27.65 - 36.93)	37.69	(32.98 - 42.64)	66.03	(61.24 - 70.51)
Region 4 (Davidson)	27.90	(23.55 - 32.71)	31.47	(26.74 - 36.62)	67.78	(62.62 - 72.55)
Region 5	29.26	(25.29 - 33.58)	35.24	(30.99 - 39.74)	67.04	(62.59 - 71.20)
Region 6	30.65	(26.28 - 35.39)	35.20	(30.51 - 40.19)	67.32	(62.45 - 71.84)
Region 7 (Shelby)	25.52	(21.37 - 30.16)	31.10	(26.20 - 36.45)	69.13	(63.83 - 73.97)
Texas	24.47	(23.24 - 25.74)	28.88	(27.57 - 30.23)	70.16	(68.82 - 71.46)
Region 1	28.02	(24.34 - 32.02)	33.26	(29.15 - 37.65)	67.90	(63.60 - 71.93)
Regions 2 and 9	26.36	(22.54 - 30.58)	33.02	(28.65 - 37.70)	65.24	(60.85 - 69.38)
Region 3	22.61	(20.63 - 24.72)	27.02	(24.88 - 29.26)	70.97	(68.63 - 73.21)
Region 4	28.37	(24.33 - 32.80)	34.53	(30.14 - 39.21)	64.16	(59.29 - 68.76)
Region 5	29.59	(25.29 - 34.28)	34.33	(29.70 - 39.27)	66.87	(61.99 - 71.40)
Region 6	24.42	(22.13 - 26.88)	28.47	(26.14 - 30.93)	70.06	(67.45 - 72.55)
Region 7	24.73	(21.94 - 27.76)	31.31	(28.09 - 34.72)	70.05	(66.78 - 73.13)
Region 8	23.53	(20.80 - 26.50)	26.72	(23.75 - 29.90)	72.24	(69.14 - 75.13)
Region 10	24.98	(21.20 - 29.19)	26.92	(23.02 - 31.22)	74.39	(70.30 - 78.09)
Region 11	23.63	(20.74 - 26.78)	25.47	(22.49 - 28.69)	73.05	(69.83 - 76.04)
Utah	17.09	(15.19 - 19.18)	19.80	(17.66 - 22.13)	75.01	(72.82 - 77.08)
Bear River, Northeastern, Summit, Tooele and Wasatch	17.54	(14.51 - 21.04)	21.26	(17.60 - 25.44)	74.80	(70.69 - 78.51)
Central, Four Corners, San Juan and Southwest	20.05	(16.21 - 24.53)	23.05	(18.91 - 27.78)	71.02	(66.31 - 75.32)
Davis County	15.14	(12.47 - 18.27)	18.08	(14.84 - 21.84)	77.39	(73.61 - 80.76)
Salt Lake County	17.62	(15.16 - 20.38)	20.31	(17.56 - 23.37)	74.99	(71.78 - 77.95)
Utah County	13.77	(11.20 - 16.81)	15.33	(12.63 - 18.48)	78.33	(75.03 - 81.31)
Weber, Morgan	18.44	(15.18 - 22.22)	21.34	(17.60 - 25.63)	71.92	(67.30 - 76.12)
Vermont	24.20	(22.09 - 26.44)	29.53	(27.31 - 31.84)	69.99	(67.53 - 72.33)
Champlain Valley	23.98	(21.13 - 27.07)	28.74	(25.60 - 32.10)	70.25	(66.66 - 73.61)
Rural Northeast	26.10	(22.32 - 30.27)	31.28	(27.32 - 35.52)	67.74	(63.55 - 71.67)
Rural Southeast	23.08	(19.60 - 26.98)	29.20	(25.22 - 33.52)	70.35	(66.14 - 74.24)
Rural Southwest	23.45	(19.94 - 27.37)	29.27	(25.33 - 33.54)	72.10	(67.75 - 76.07)

See notes at end of table.

(continued)

Table C4. Cigarette Use in Past Month, Any Tobacco Product Use in Past Month, and Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Cigarette Use in Past Month		Any Tobacco Product Use in Past Month ¹		Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Virginia	23.95	(21.85 - 26.18)	28.20	(25.94 - 30.57)	67.47	(64.96 - 69.87)
Region 1	25.18	(21.29 - 29.53)	30.22	(25.67 - 35.20)	69.48	(64.69 - 73.88)
Region 2	17.68	(15.03 - 20.67)	21.16	(17.97 - 24.75)	69.29	(65.25 - 73.05)
Region 3	28.92	(24.96 - 33.24)	33.32	(29.00 - 37.94)	66.28	(61.66 - 70.61)
Region 4	23.69	(19.91 - 27.94)	28.11	(23.84 - 32.80)	64.88	(59.89 - 69.55)
Region 5	26.07	(22.58 - 29.90)	30.42	(26.76 - 34.35)	67.08	(63.03 - 70.90)
Washington	25.64	(23.25 - 28.19)	29.74	(27.27 - 32.34)	70.43	(67.92 - 72.83)
Region 1	28.34	(23.55 - 33.68)	32.90	(28.12 - 38.07)	70.63	(65.64 - 75.17)
Region 2	28.00	(23.37 - 33.14)	33.23	(27.86 - 39.08)	67.80	(62.52 - 72.66)
Region 3	24.12	(20.46 - 28.20)	28.22	(24.18 - 32.64)	71.50	(67.02 - 75.60)
Region 4 (King)	22.57	(19.25 - 26.27)	25.85	(22.32 - 29.72)	71.85	(67.95 - 75.44)
Region 5	27.40	(23.12 - 32.14)	31.70	(27.16 - 36.62)	69.36	(64.67 - 73.69)
Region 6	27.77	(23.52 - 32.45)	32.19	(27.67 - 37.07)	69.06	(64.48 - 73.29)
West Virginia	30.22	(27.93 - 32.61)	37.75	(35.32 - 40.25)	64.92	(62.47 - 67.29)
Eastern Highland	27.66	(23.96 - 31.71)	35.56	(31.41 - 39.93)	68.54	(64.32 - 72.47)
Northern	27.94	(24.20 - 32.02)	34.89	(30.91 - 39.10)	63.02	(58.82 - 67.02)
South Central I	30.31	(26.07 - 34.92)	38.53	(33.93 - 43.34)	64.06	(59.35 - 68.51)
South Central II	34.49	(29.89 - 39.40)	42.21	(37.09 - 47.51)	64.69	(59.95 - 69.16)
South Central III	31.90	(27.12 - 37.09)	37.84	(32.52 - 43.49)	66.34	(60.97 - 71.32)
Southern	32.10	(27.67 - 36.88)	40.62	(35.87 - 45.54)	63.26	(58.64 - 67.65)
Wisconsin	24.47	(22.44 - 26.62)	29.88	(27.69 - 32.16)	66.41	(63.92 - 68.81)
Milwaukee	26.08	(22.42 - 30.11)	30.14	(26.19 - 34.42)	67.45	(63.12 - 71.49)
Northeastern	25.40	(21.99 - 29.14)	32.06	(28.27 - 36.09)	64.68	(60.24 - 68.88)
Northern and Western	25.01	(21.58 - 28.80)	30.83	(27.11 - 34.82)	65.80	(61.47 - 69.88)
Southeastern	21.33	(18.25 - 24.77)	25.93	(22.38 - 29.83)	68.23	(63.65 - 72.48)
Southern	24.57	(21.04 - 28.48)	30.10	(26.12 - 34.41)	66.28	(61.89 - 70.41)
Wyoming	27.21	(25.01 - 29.53)	34.49	(32.16 - 36.90)	65.31	(62.87 - 67.67)
Frontier 1	25.04	(21.14 - 29.38)	31.70	(27.43 - 36.29)	66.75	(61.85 - 71.31)
Frontier 2	24.49	(20.36 - 29.15)	33.78	(29.16 - 38.73)	64.78	(59.61 - 69.63)
Rural 1	28.82	(25.16 - 32.78)	36.46	(32.34 - 40.80)	66.45	(62.27 - 70.39)
Rural 2	27.90	(24.29 - 31.83)	34.19	(30.13 - 38.49)	65.80	(61.58 - 69.79)
Rural 3 (Laramie)	25.50	(21.92 - 29.45)	33.21	(29.03 - 37.67)	63.08	(58.44 - 67.48)
Rural 4	30.14	(25.65 - 35.04)	37.03	(32.17 - 42.17)	63.71	(58.50 - 68.62)

NOTE: For substate region definitions, see Section D.

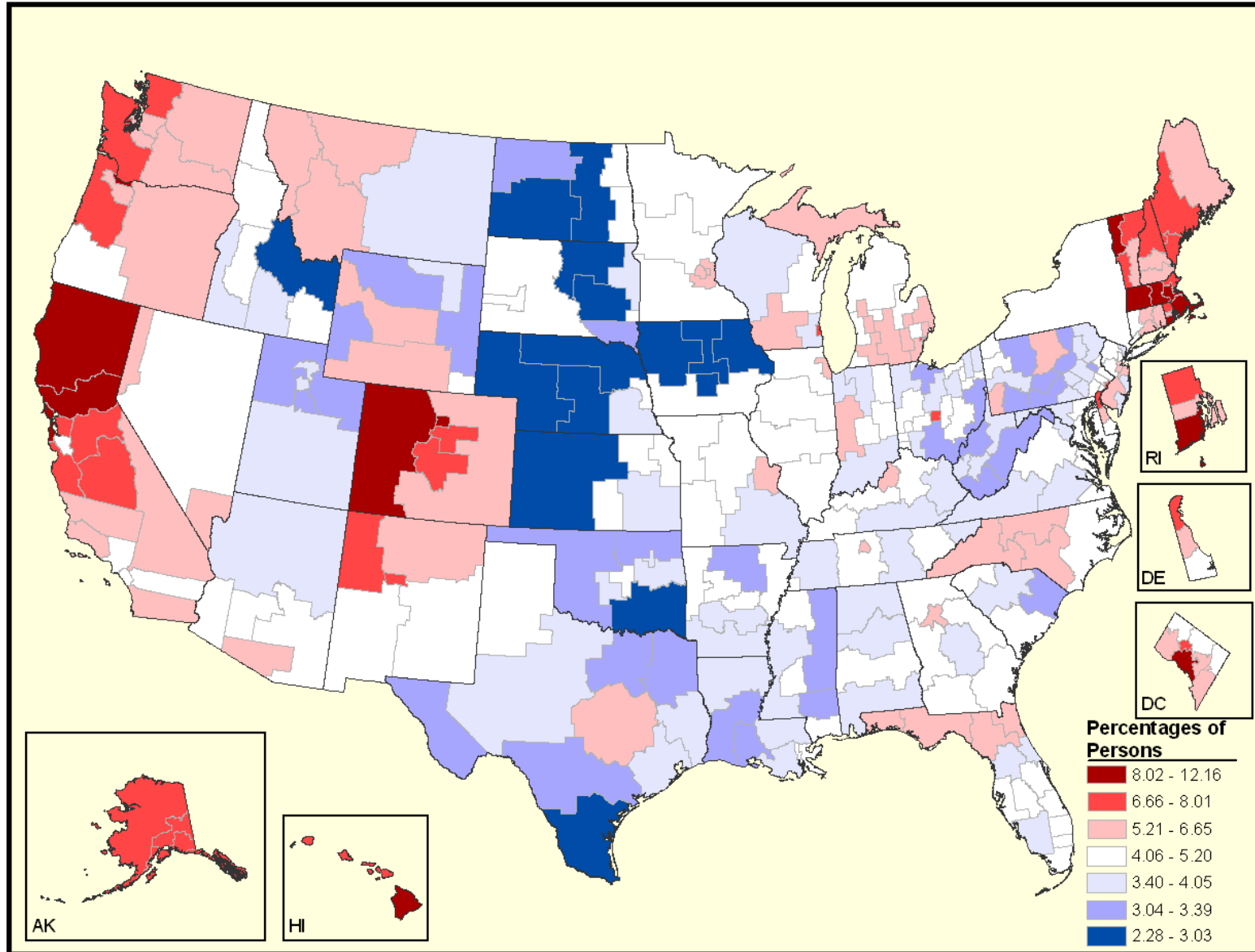
NOTE: Estimates are based on a survey-weighted hierarchical Bayes estimation approach, and the 95 percent prediction (credible) intervals are generated by Markov Chain Monte Carlo techniques.

¹ Any Tobacco Product includes cigarettes, smokeless tobacco (i.e., chewing tobacco or snuff), cigars, or pipe tobacco.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure C1.1 Marijuana Use in Past Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

C-42

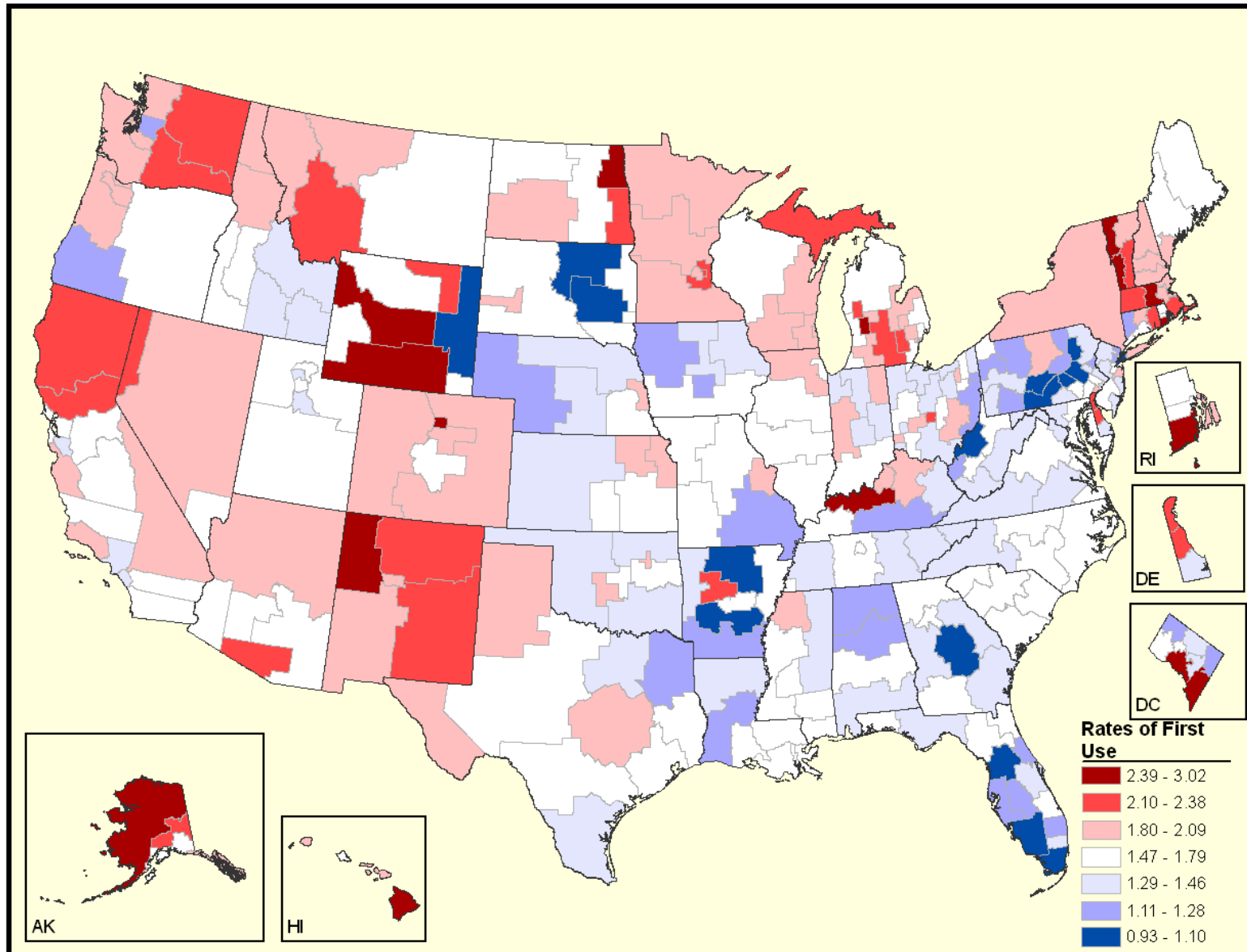


NOTE: For substate region definitions, see Section D.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure C1.2 First Use of Marijuana among Persons Aged 12 or Older, by Substate Region: Average Annual Rates Based on 1999, 2000, and 2001 NSDUHs

C-43

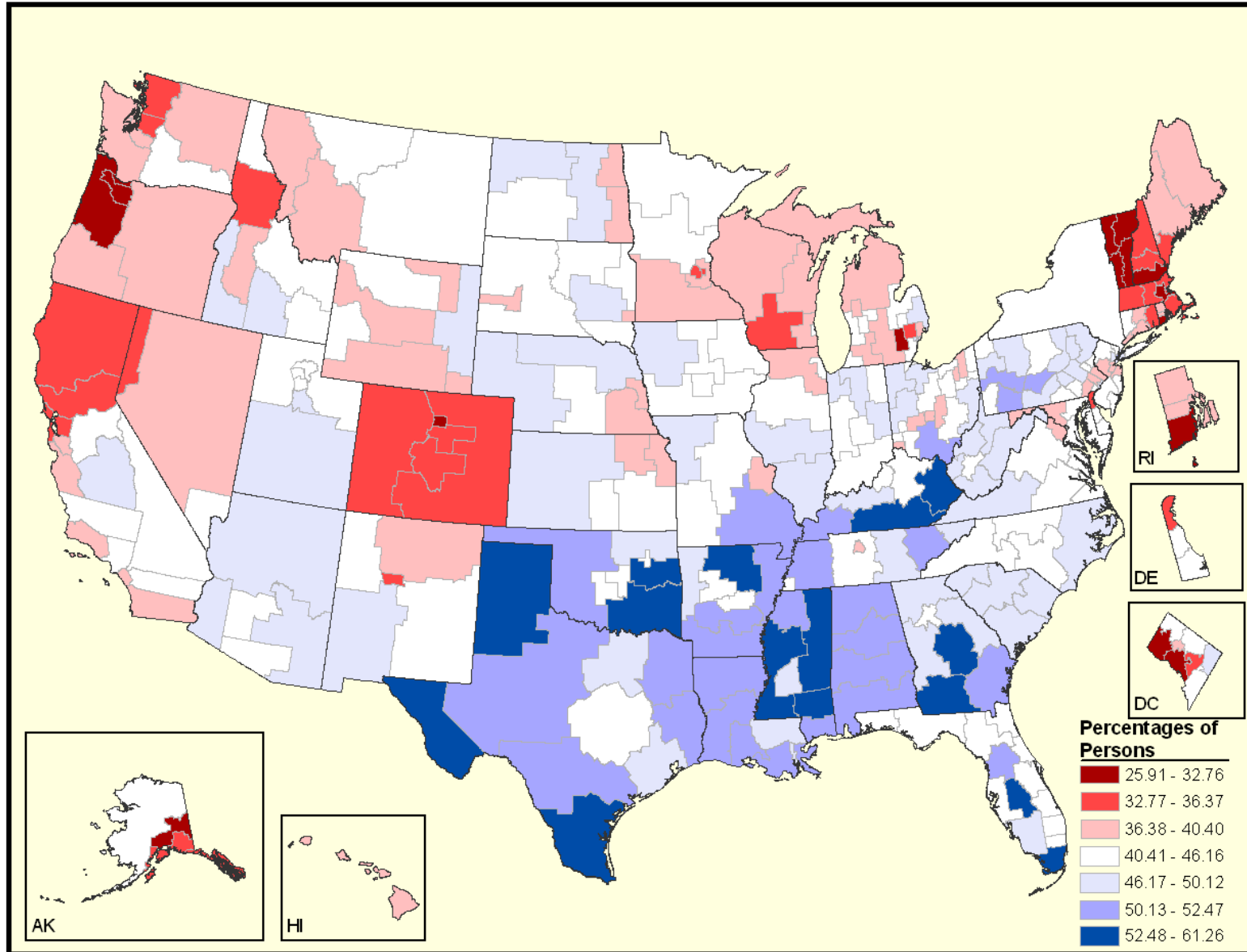


NOTE: For substate region definitions, see Section D.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure C1.3 Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

C-44

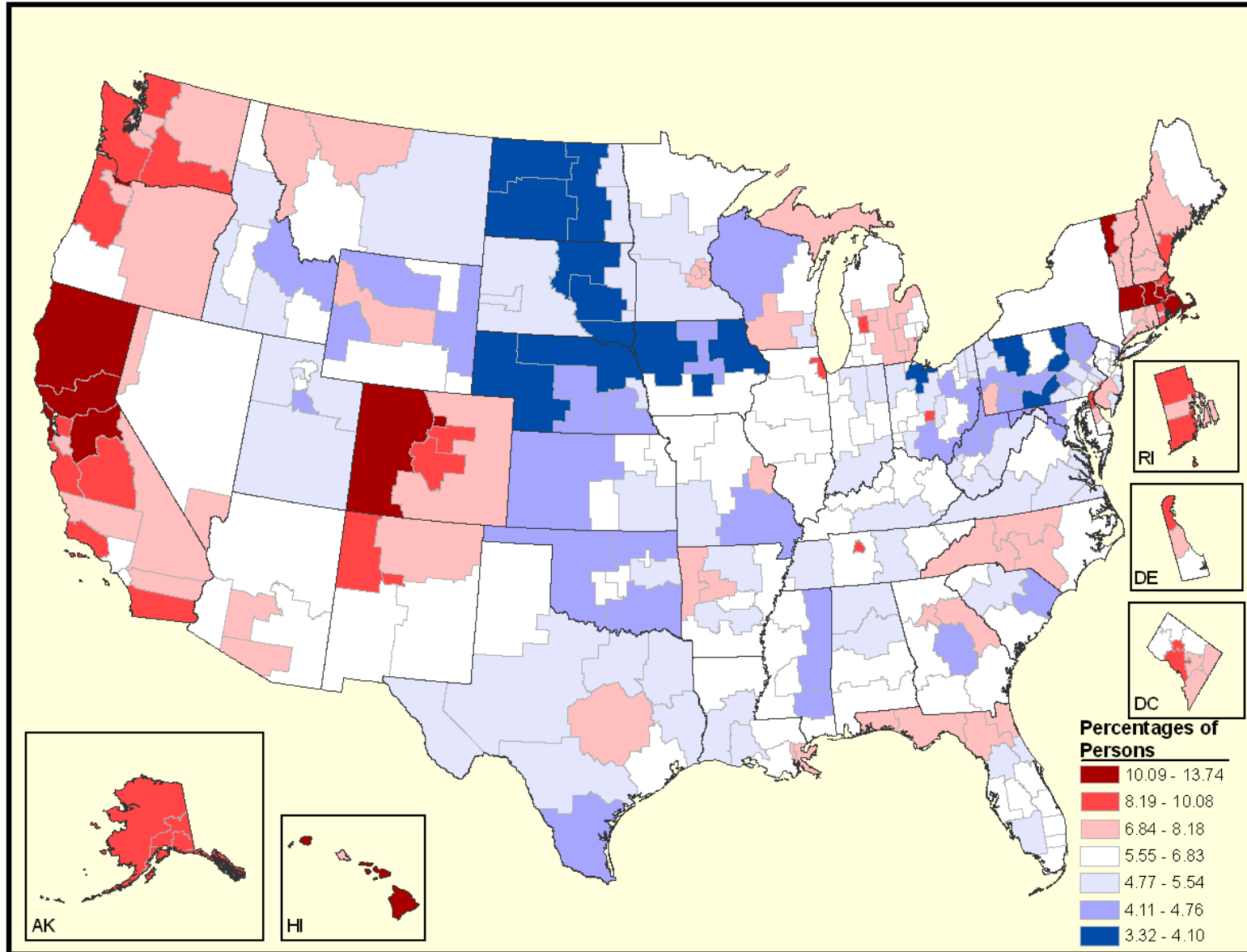


NOTE: For substate region definitions, see Section D.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure C2.1 Any Illicit Drug Use in Past Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

C-45

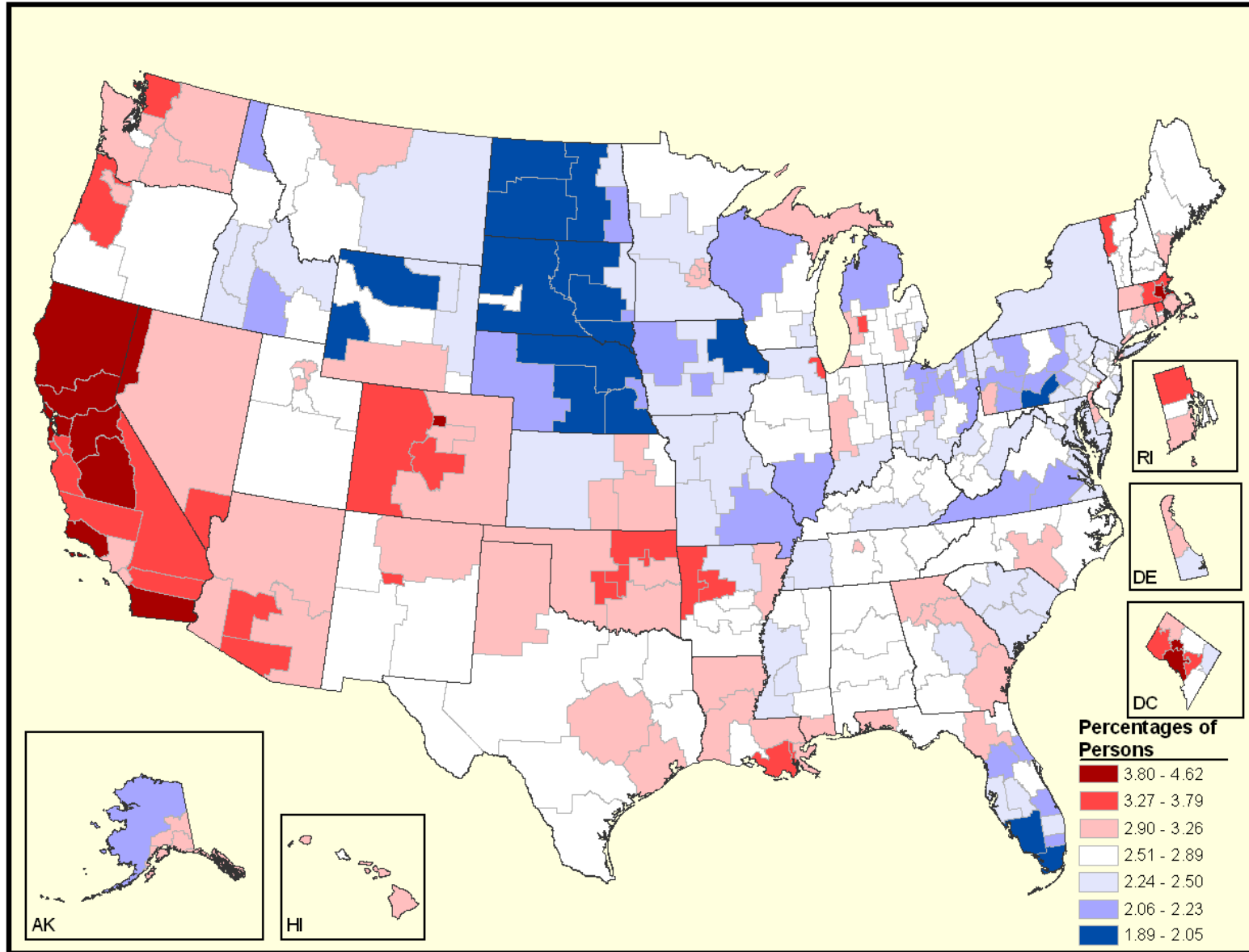


NOTE: For substate region definitions, see Section D.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure C2.2 Any Illicit Drug Use Other Than Marijuana in Past Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

C-46

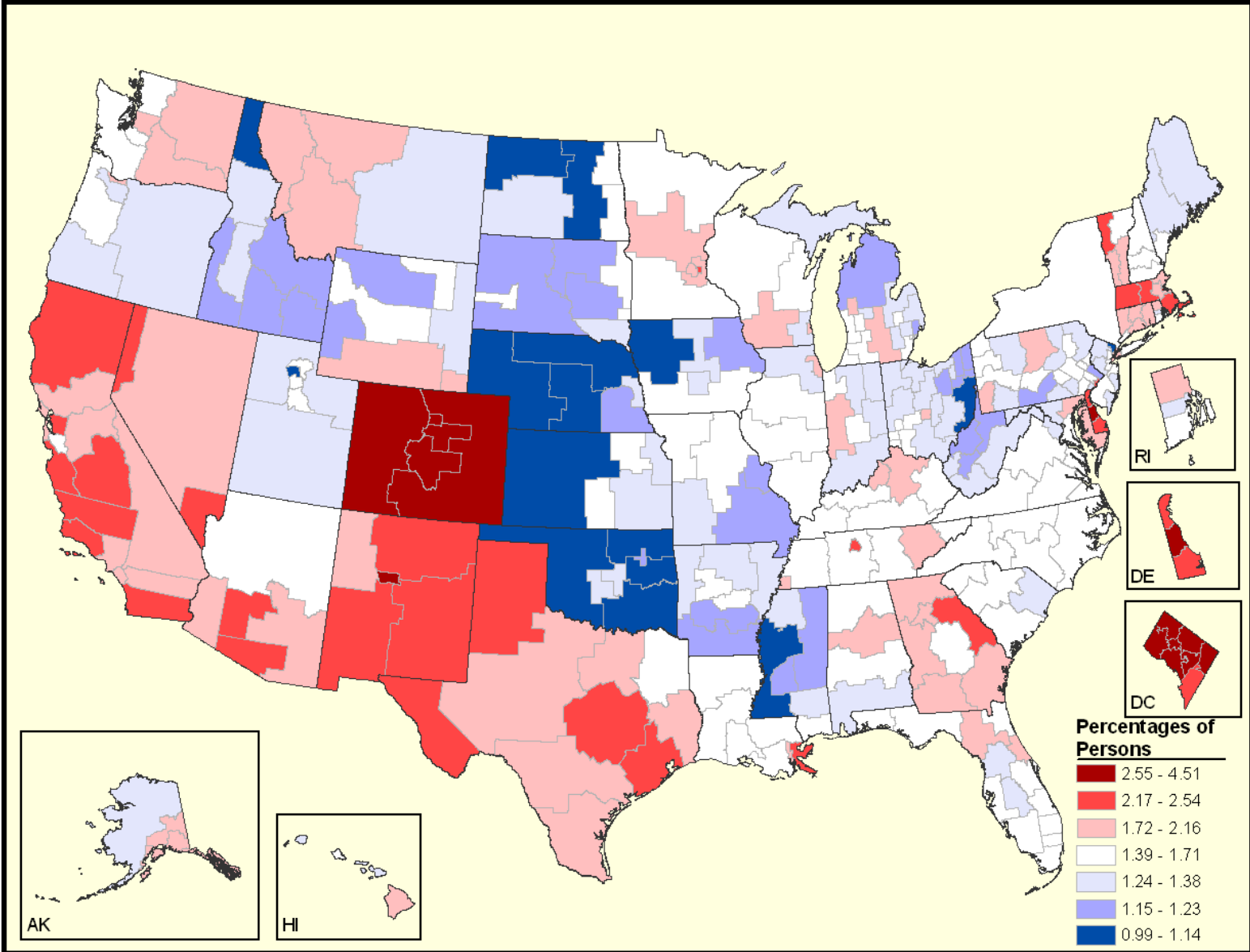


NOTE: For substate region definitions, see Section D.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure C2.3 Cocaine Use in Past Year among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

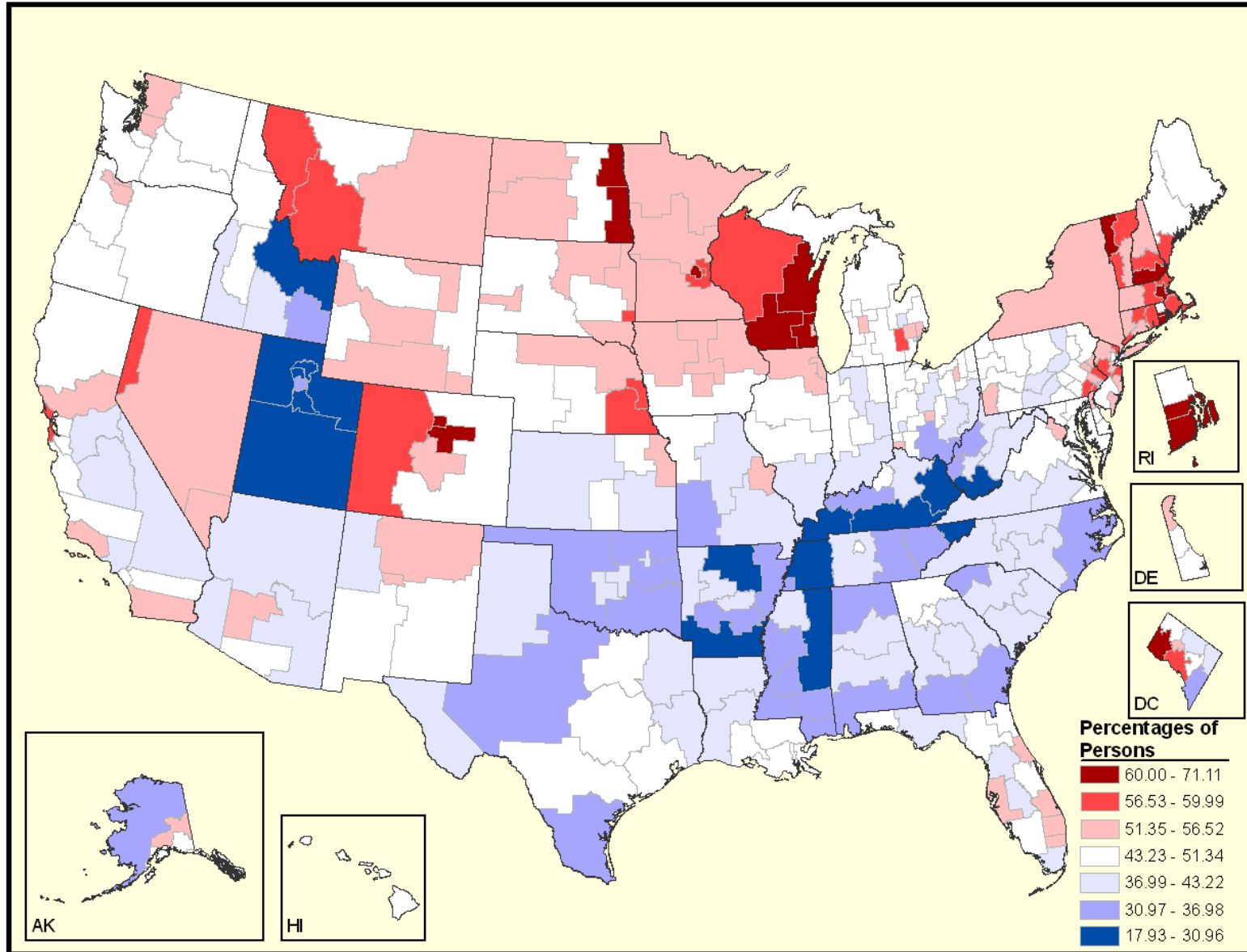
C-47



NOTE: For substate region definitions, see Section D.
 Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure C3.1 Alcohol Use in Past Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

C-48

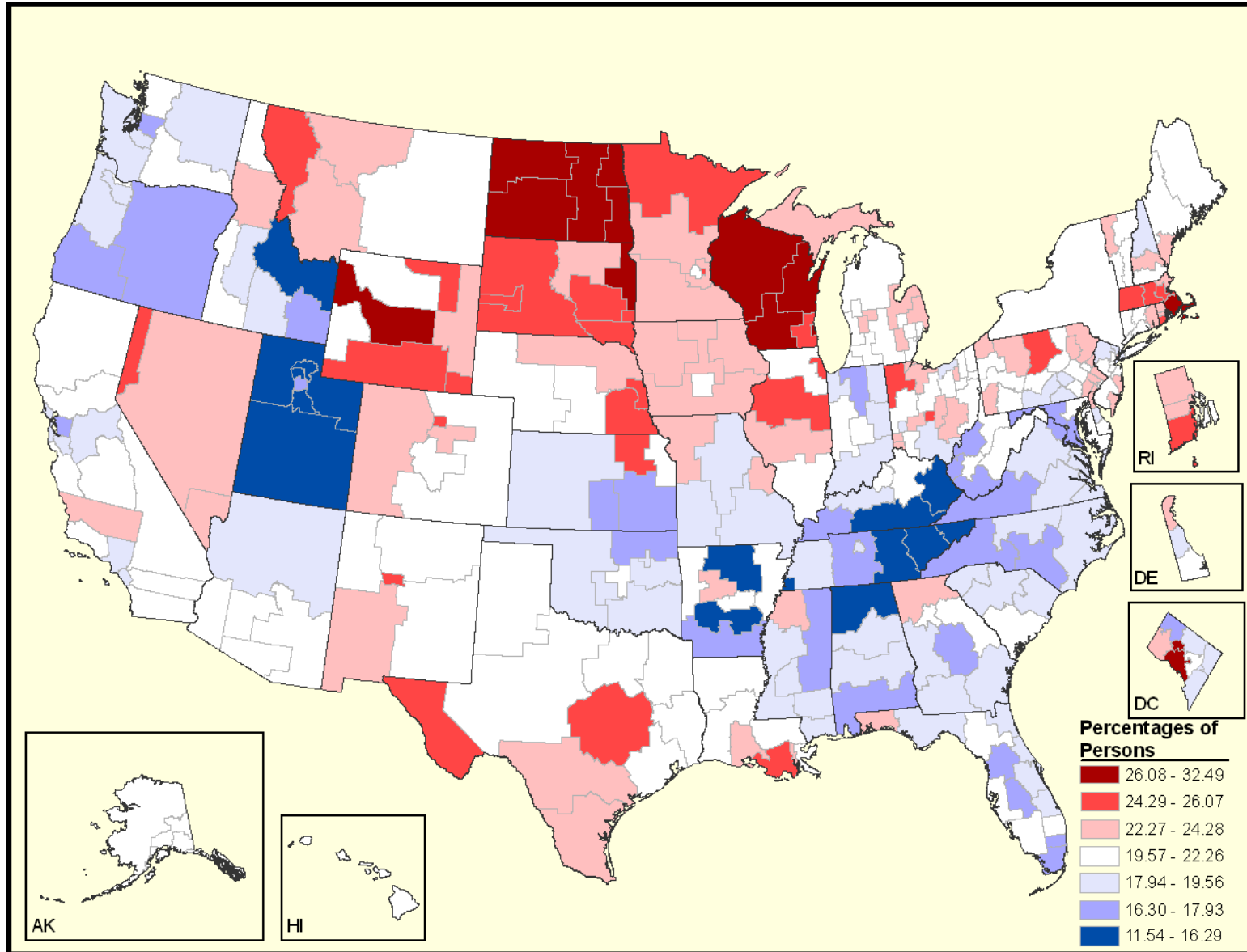


NOTE: For substate region definitions, see Section D.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure C3.2 *Binge Alcohol Use in Past Month* among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

C-49

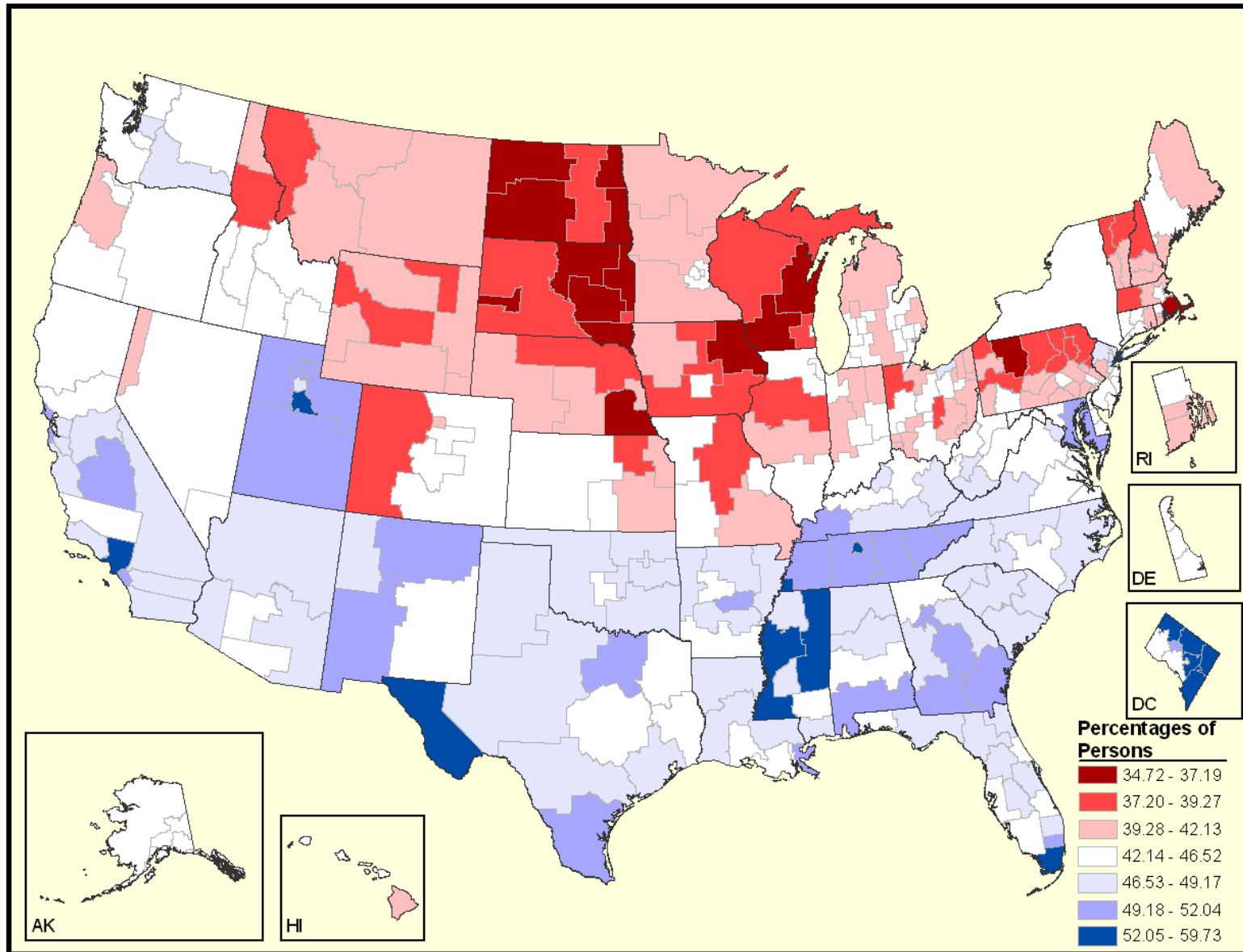


NOTE: For substate region definitions, see Section D.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure C3.3 *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 Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs*

C-50

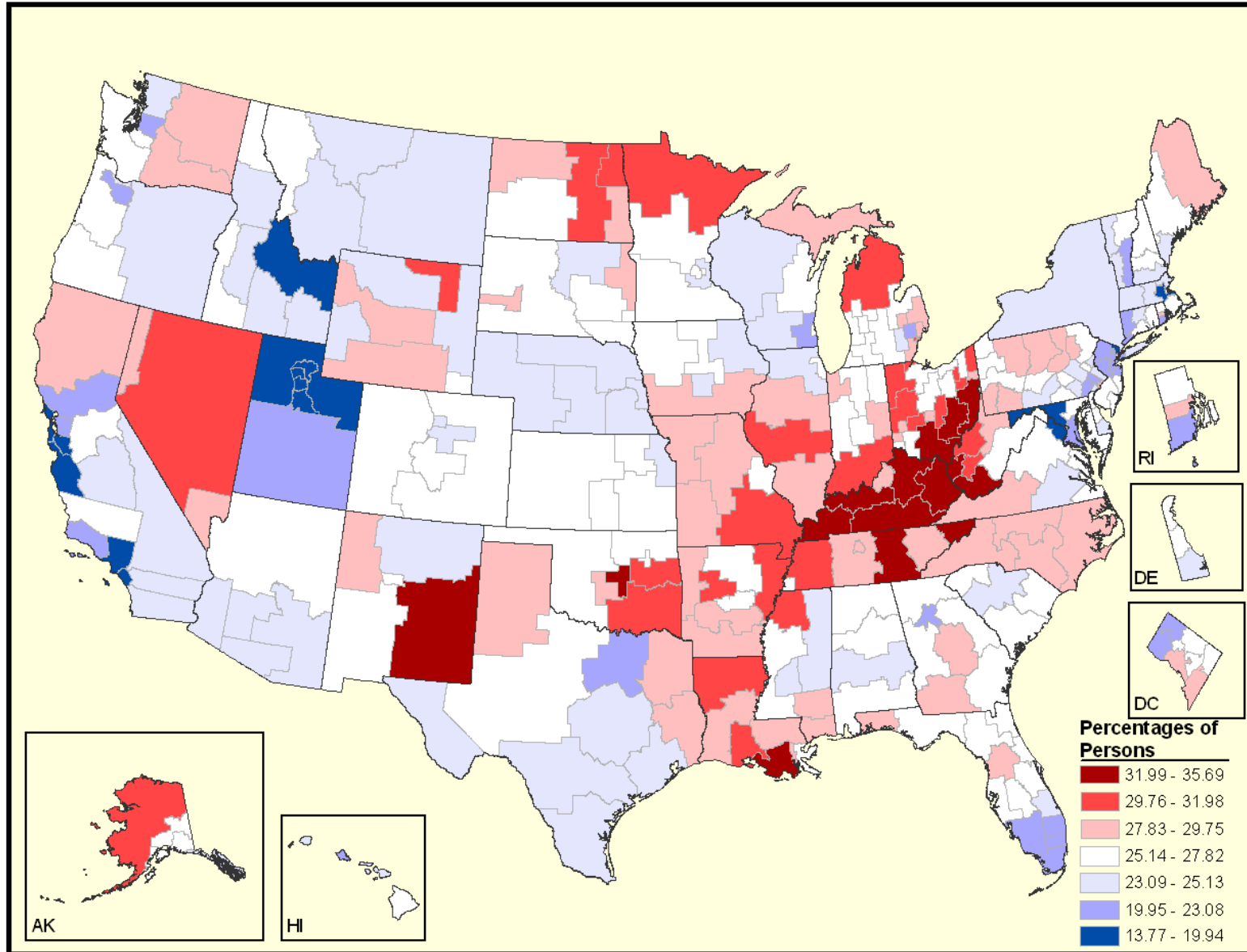


NOTE: For substate region definitions, see Section D.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure C4.1 Cigarette Use in Past Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

C-51

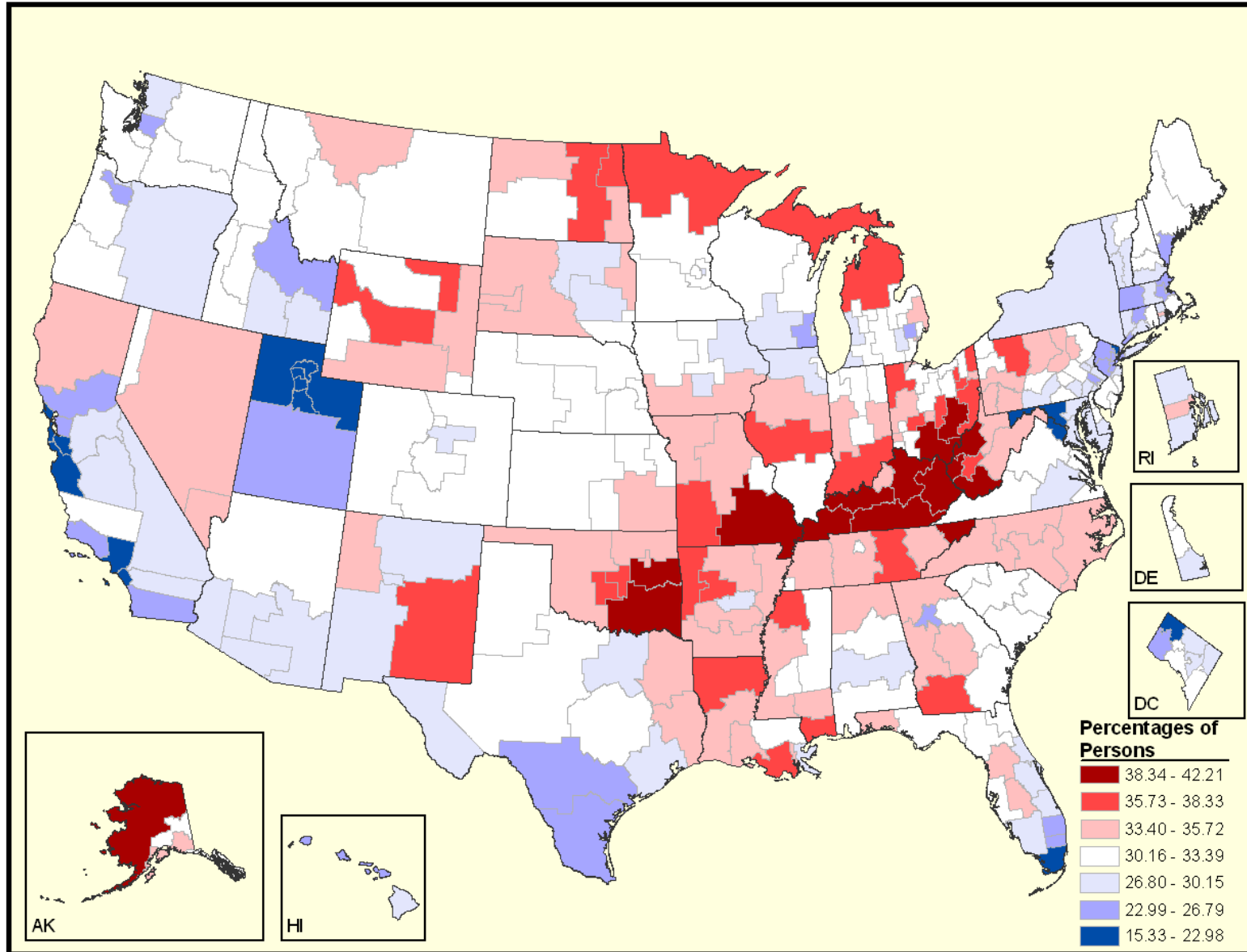


NOTE: For substate region definitions, see Section D.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure C4.2 Any Tobacco Product Use in Past Month among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

C-52

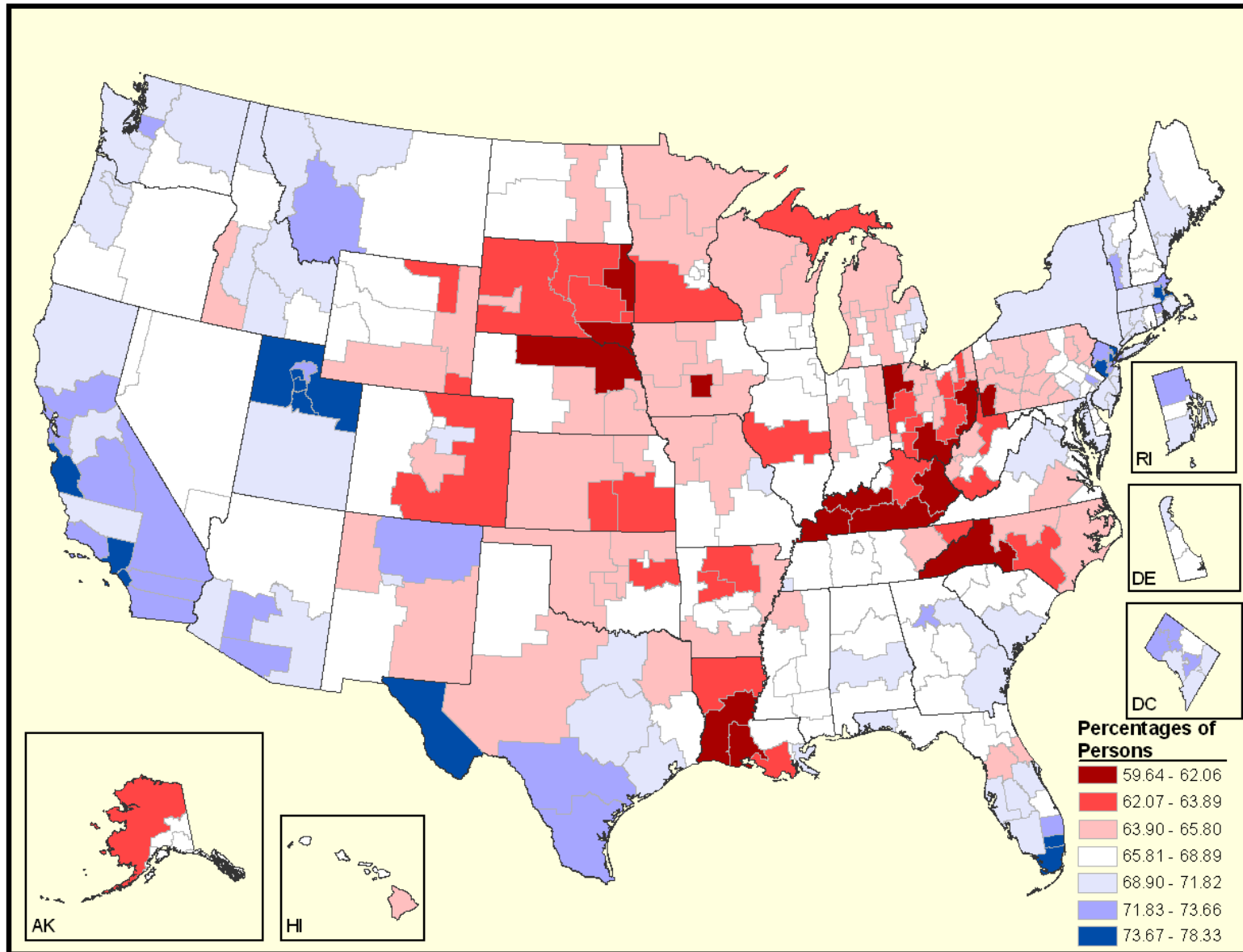


NOTE: For substate region definitions, see Section D.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure C4.3 *Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs*

C-53



NOTE: For substate region definitions, see Section D.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Section D: Substate Region Definitions

Figure D1. ALABAMA – Substate Regions (defined in terms of counties)

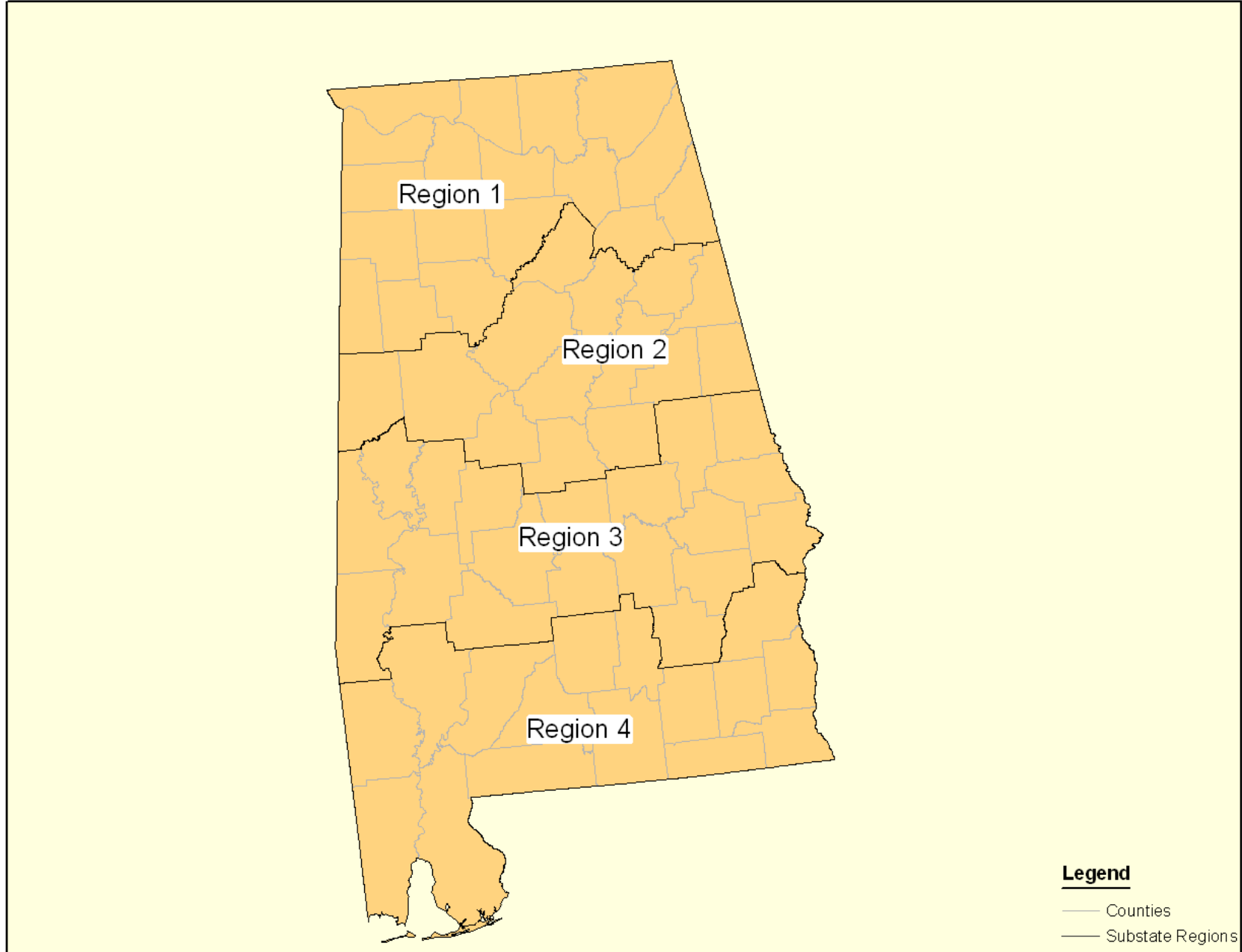


Table D1. ALABAMA – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the Alabama Department of Mental Health and Mental Retardation and are defined in terms of the State's 67 counties.			
Region 1	Region 2	Region 3	Region 4
Cherokee	Bibb	Autauga	Baldwin
Colbert	Blount	Bullock	Barbour
Cullman	Calhoun	Chambers	Butler
De Kalb	Chilton	Choctaw	Clarke
Etowah	Clay	Dallas	Coffee
Fayette	Cleburne	Elmore	Conecuh
Franklin	Coosa	Greene	Covington
Jackson	Jefferson	Hale	Crenshaw
Lamar	Pickens	Lee	Dale
Lauderdale	Randolph	Lowndes	Escambia
Lawrence	Shelby	Macon	Geneva
Limestone	St. Clair	Marengo	Henry
Madison	Talladega	Montgomery	Houston
Marion	Tuscaloosa	Perry	Mobile
Marshall		Pike	Monroe
Morgan		Russell	Washington
Walker		Sumter	
Winston		Tallapoosa	
		Wilcox	

Figure D2. ALASKA – Substate Regions (defined in terms of boroughs or census areas)

D-4

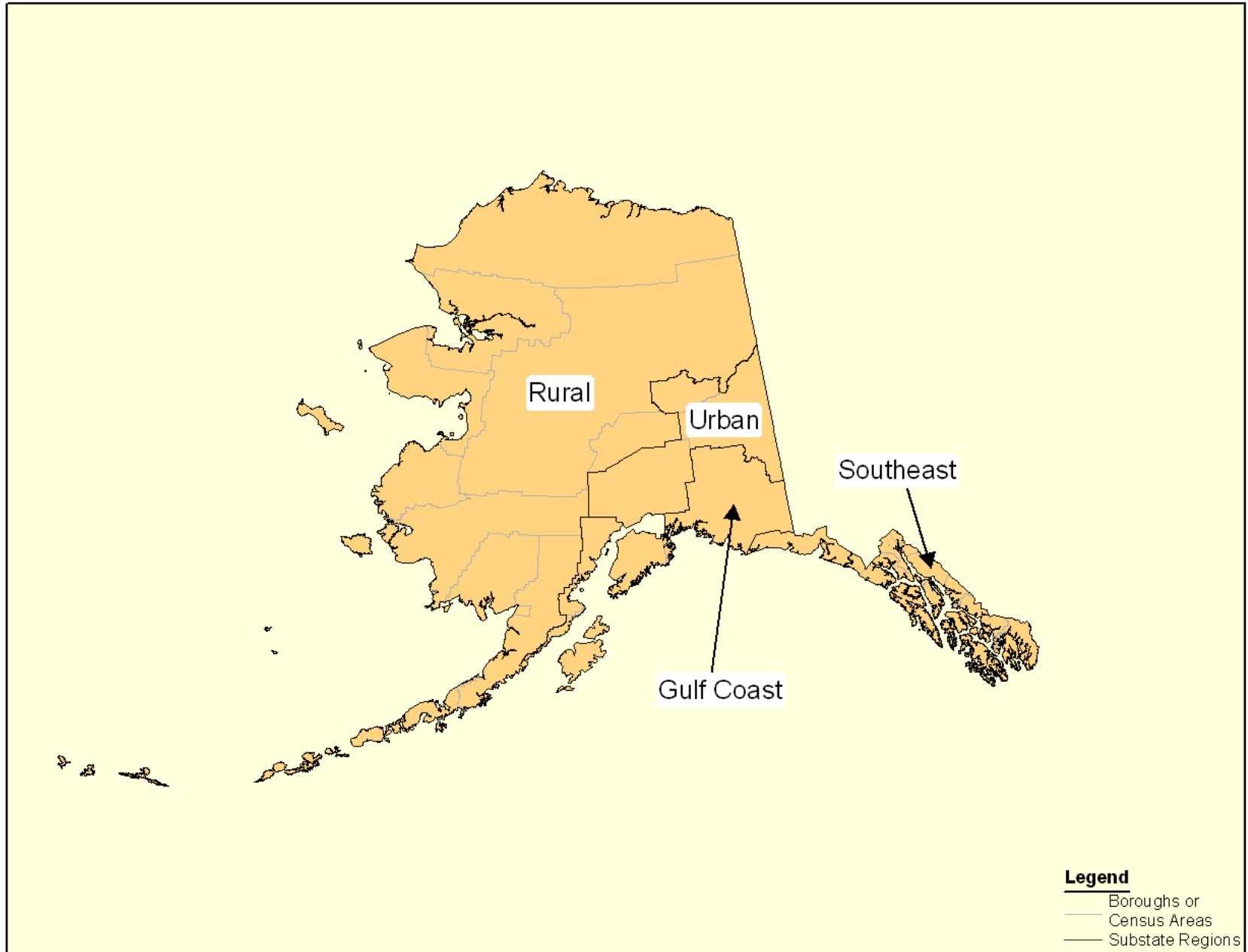


Table D2. ALASKA – Substate Regions (defined in terms of boroughs or census areas)

<p>The substate regions for Alaska were defined based on the planning areas documented in the Behavioral Risk Factor Surveillance System (BRFSS) <i>Health Status in Alaska</i> report (see the PDF at http://www.hss.state.ak.us/dph/deu/publications/PDFs/appenABC.pdf).</p>			
Gulf Coast	Rural	Southeast	Urban
Kenai Peninsula Kodiak Island Valdez Cordova	Aleutians East Aleutians West Bethel Bristol Bay Denali Dillingham Lake and Peninsula Nome North Slope Northwest Arctic Wade Hampton Yukon Koyukuk	Haines Juneau Ketchikan Gateway Prince of Wales-Outer Ketchikan Sitka Skagway-Hoonah-Angoon Wrangell-Petersburg Yakutat	Anchorage Fairbanks North Star Matanuska-Susitna Southeast Fairbanks

Figure D3. ARIZONA – Substate Regions (defined in terms of counties)

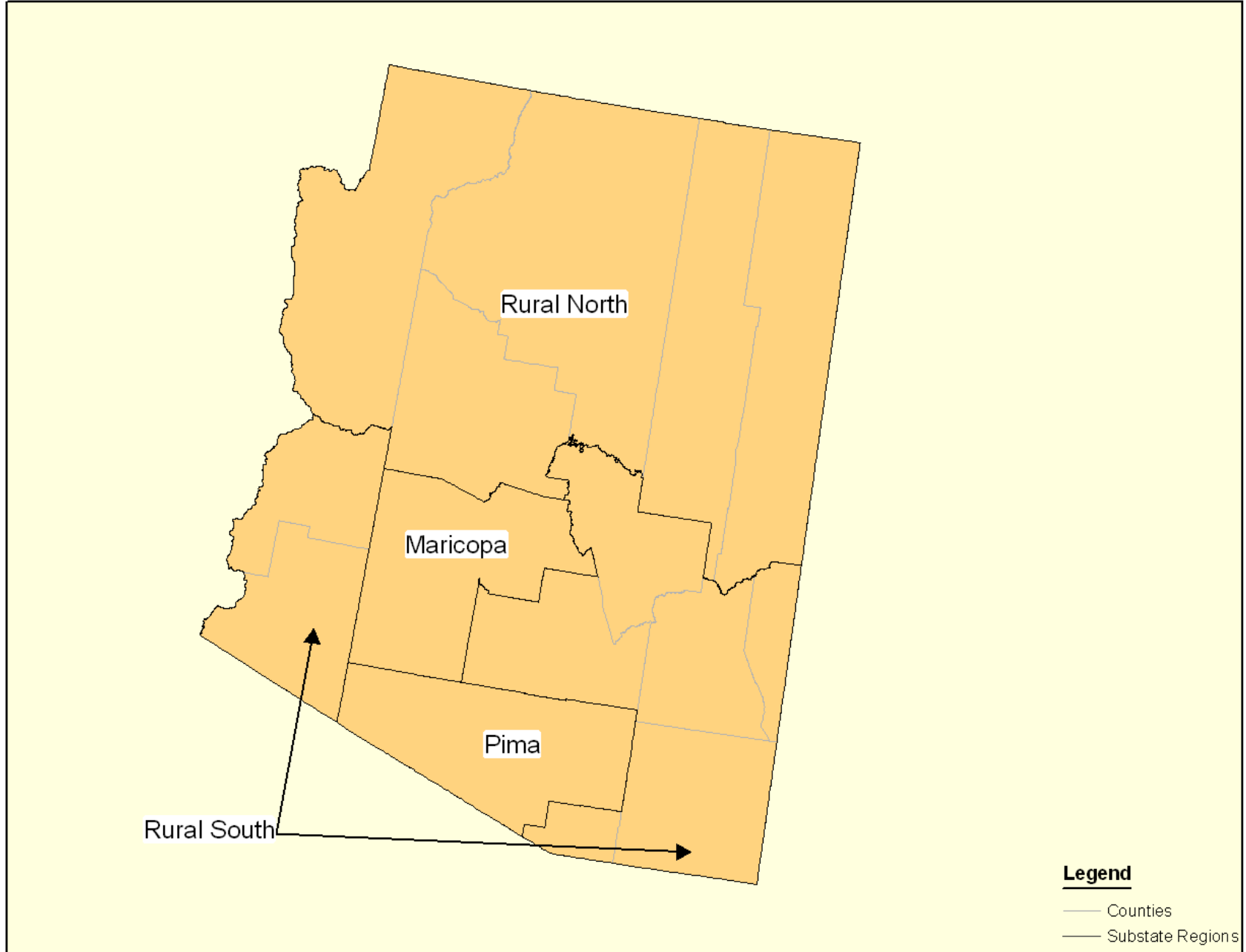


Table D3. ARIZONA – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were provided by the State's Division of Behavioral Health Services, Arizona Department of Health Services, and are defined in terms of the State's 15 counties. The region definitions include nonadjacent counties being collapsed to form the Rural South region.</p>			
Maricopa	Pima	Rural North	Rural South
Maricopa	Pima	Apache Coconino Mohave Navajo Yavapai	Cochise Gila Graham Greenlee La Paz Pinal Santa Cruz Yuma

Figure D4. ARKANSAS – Substate Regions (defined in terms of counties)

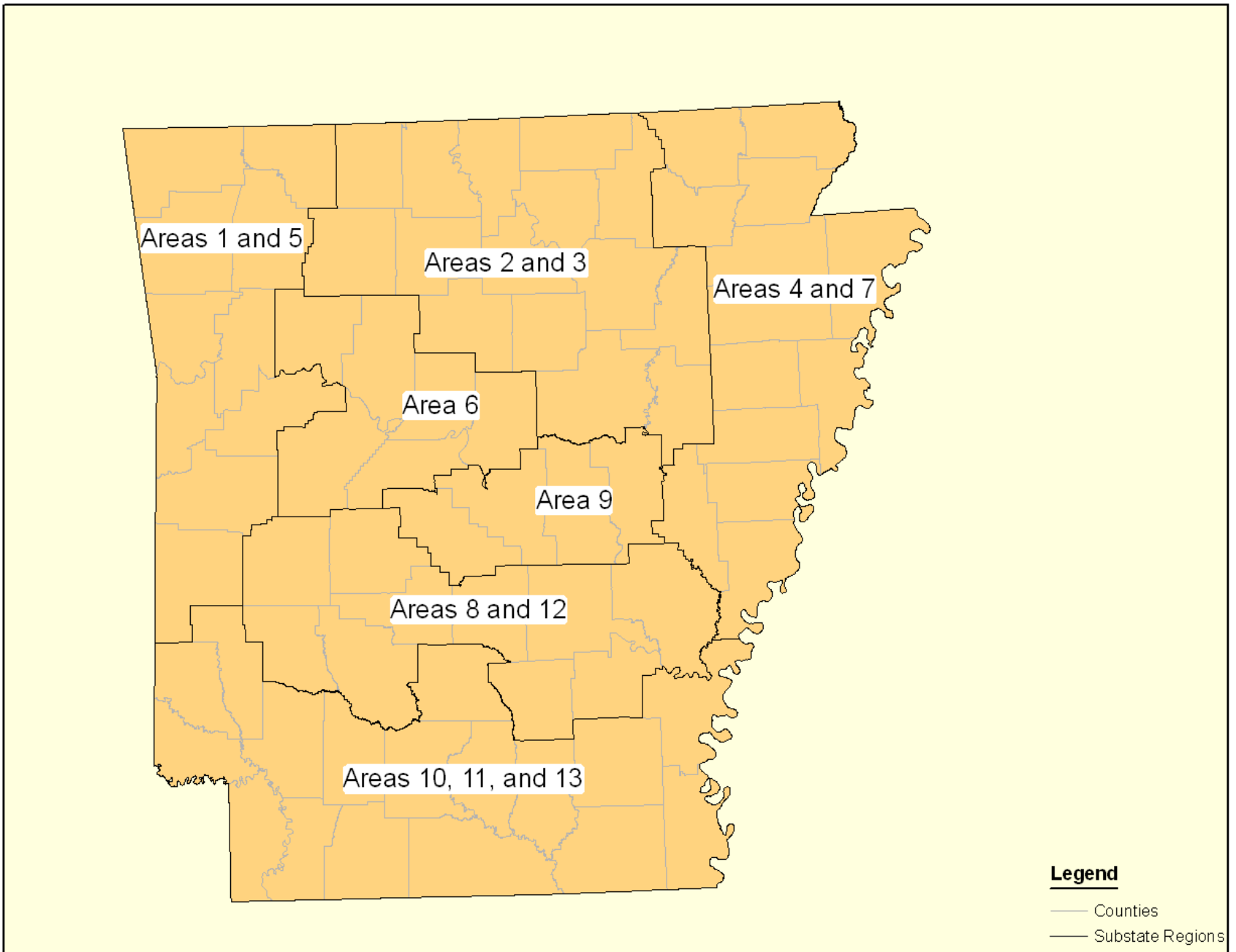


Table D4. ARKANSAS – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were provided by the Arkansas Department of Human Services, Division of Behavioral Health Services, and are defined in terms of the State's 75 counties. Due to sample size constraints, certain planning areas were combined to form substate regions.</p>						
Areas 1 and 5		Areas 2 and 3		Areas 4 and 7		Area 6
<u>Area 1</u>	<u>Area 5</u>	<u>Area 2</u>	<u>Area 3</u>	<u>Area 4</u>	<u>Area 7</u>	Conway
Benton	Crawford	Baxter	Cleburne	Clay	Crittenden	Faulkner
Carroll	Franklin	Boone	Fulton	Craighead	Cross	Johnson
Madison	Logan	Marion	Independence	Greene	Lee	Perry
Washington	Polk	Newton	Izard	Lawrence	Monroe	Pope
	Scott	Searcy	Jackson	Mississippi	Phillips	Yell
	Sebastian		Sharp	Poinsett	St. Francis	
			Stone	Randolph		
			Van Buren			
			White			
			Woodruff			
Areas 8 and 12		Area 9	Areas 10, 11, and 13			
<u>Area 8</u>	<u>Area 12</u>	Lonoke	<u>Area 10</u>	<u>Area 11</u>	<u>Area 13</u>	
Clark	Arkansas	Prairie	Hempstead	Calhoun	Ashley	
Garland	Cleveland	Pulaski	Howard	Columbia	Bradley	
Hot Spring	Grant	Saline	Lafayette	Dallas	Chicot	
Montgomery	Jefferson		Little River	Nevada	Desha	
Pike	Lincoln		Miller	Ouachita	Drew	
			Sevier	Union		

Figure D5. CALIFORNIA – Substate Regions (defined in terms of counties)

D-10

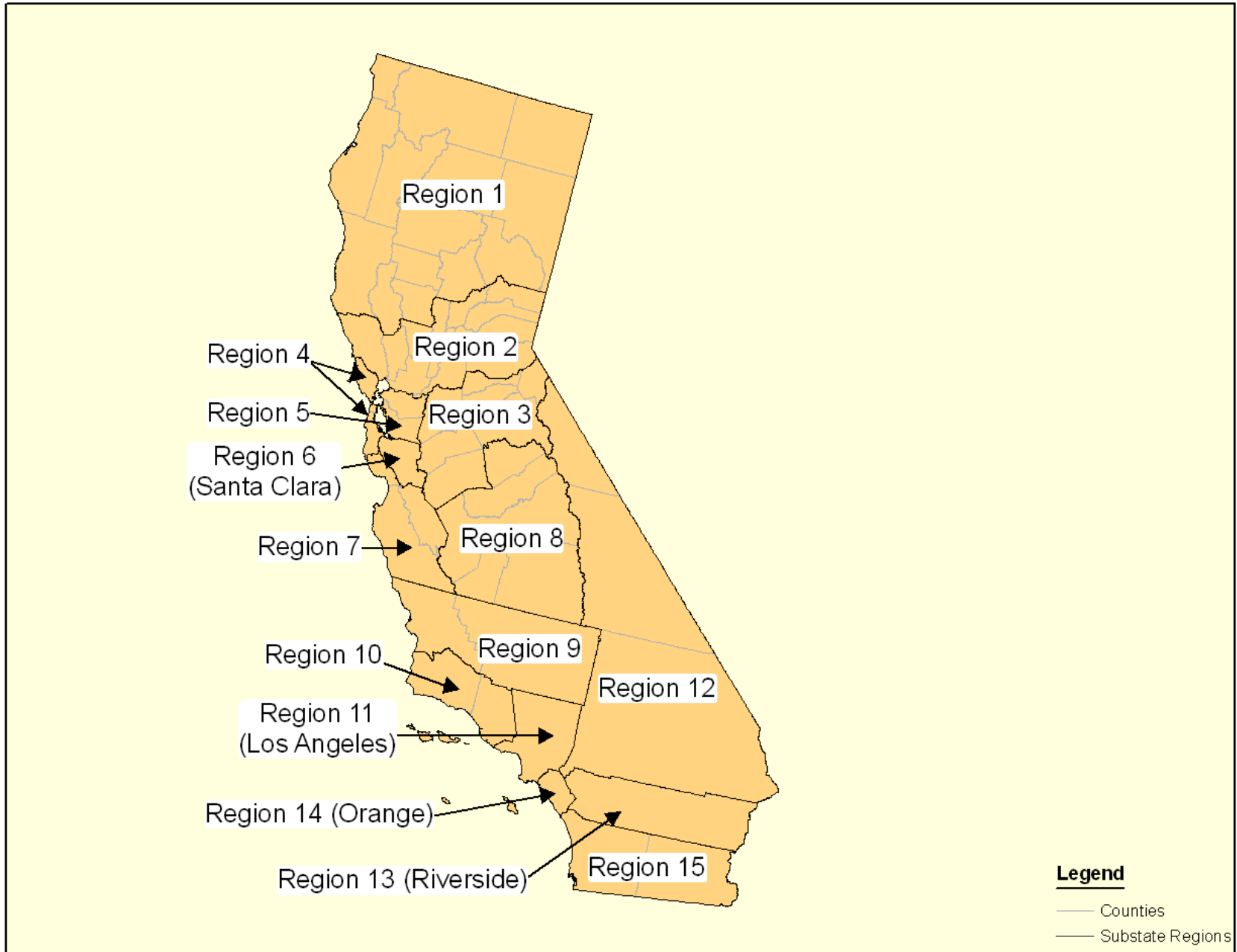


Table D5. CALIFORNIA – Substate Regions (defined in terms of counties)

The California Department of Alcohol and Drug Programs provided each of their 58 counties as a separate planning area, with the exception of one area that consisted of 2 counties. In order to meet sample size requirements, counties had to be combined to form substate regions. Two sets of regions were considered. Set one was based on substate regions defined for the California Household Substance Use Survey. Set two was created by collapsing adjacent counties to have adequate sample sizes for estimation. California's Department of Alcohol and Drug Programs preferred the regions specified in the second set.

Region 1	Region 2	Region 3	Region 4	Region 5	Region 6 (Santa Clara)	Region 7	Region 8
Butte Colusa Del Norte Glenn Humboldt Lake Lassen Mendocino Modoc Plumas Shasta Siskiyou Tehama Trinity	El Dorado Napa Nevada Placer Sacramento Sierra Solano Sonoma Sutter Yolo Yuba	Alpine Amador Calaveras Merced San Joaquin Stanislaus Tuolumne	Marin San Francisco San Mateo	Alameda Contra Costa	Santa Clara	Monterey San Benito Santa Cruz	Fresno Kings Madera Mariposa Tulare
Region 9	Region 10	Region 11 (Los Angeles)	Region 12	Region 13 (Riverside)	Region 14 (Orange)	Region 15	
Kern San Luis Obispo	Santa Barbara Ventura	Los Angeles	Inyo Mono San Bernardino	Riverside	Orange	Imperial San Diego	

Figure D6. COLORADO – Substate Regions (defined in terms of counties)

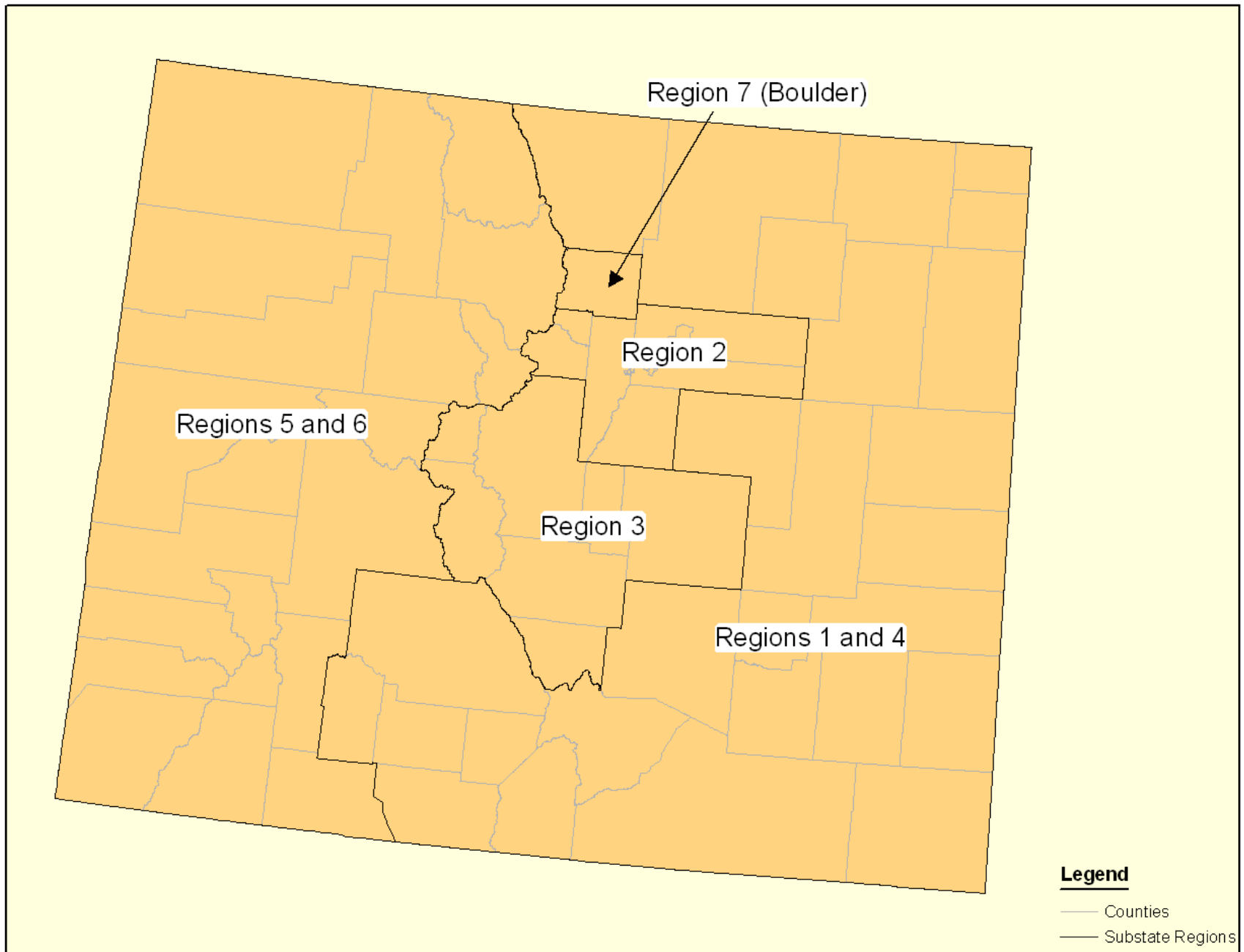


Table D6. COLORADO – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were provided by the State's Alcohol and Drug Abuse Division, Colorado Department of Human Services, and are defined in terms of the State's 63 counties. Due to sample size constraints, certain planning areas were combined to form substate regions.</p>						
Regions 1 and 4		Region 2	Region 3	Regions 5 and 6		Region 7 (Boulder)
<u>Region 1</u>	<u>Region 4</u>	Adams	Chaffee	<u>Region 5</u>	<u>Region 6</u>	Boulder
Cheyenne	Alamosa	Arapahoe	Custer	Archuleta	Eagle	
Elbert	Baca	Clear Creek	El Paso	Delta	Garfield	
Kit Carson	Bent	Denver	Fremont	Dolores	Grand	
Larimer	Conejos	Douglas	Lake	Gunnison	Jackson	
Lincoln	Costilla	Gilpin	Park	Hinsdale	Mesa	
Logan	Crowley	Jefferson	Teller	La Plata	Moffat	
Morgan	Huerfano			Montezuma	Pitkin	
Phillips	Kiowa			Montrose	Rio Blanco	
Sedgwick	Las Animas			Ouray	Routt	
Washington	Mineral			San Juan	Summit	
Weld	Otero			San Miguel		
Yuma	Prowers					
	Pueblo					
	Rio Grande					
	Saguache					

Figure D7. CONNECTICUT – Substate Regions (defined in terms of census tracts, specified by a 6-digit tract identifier)

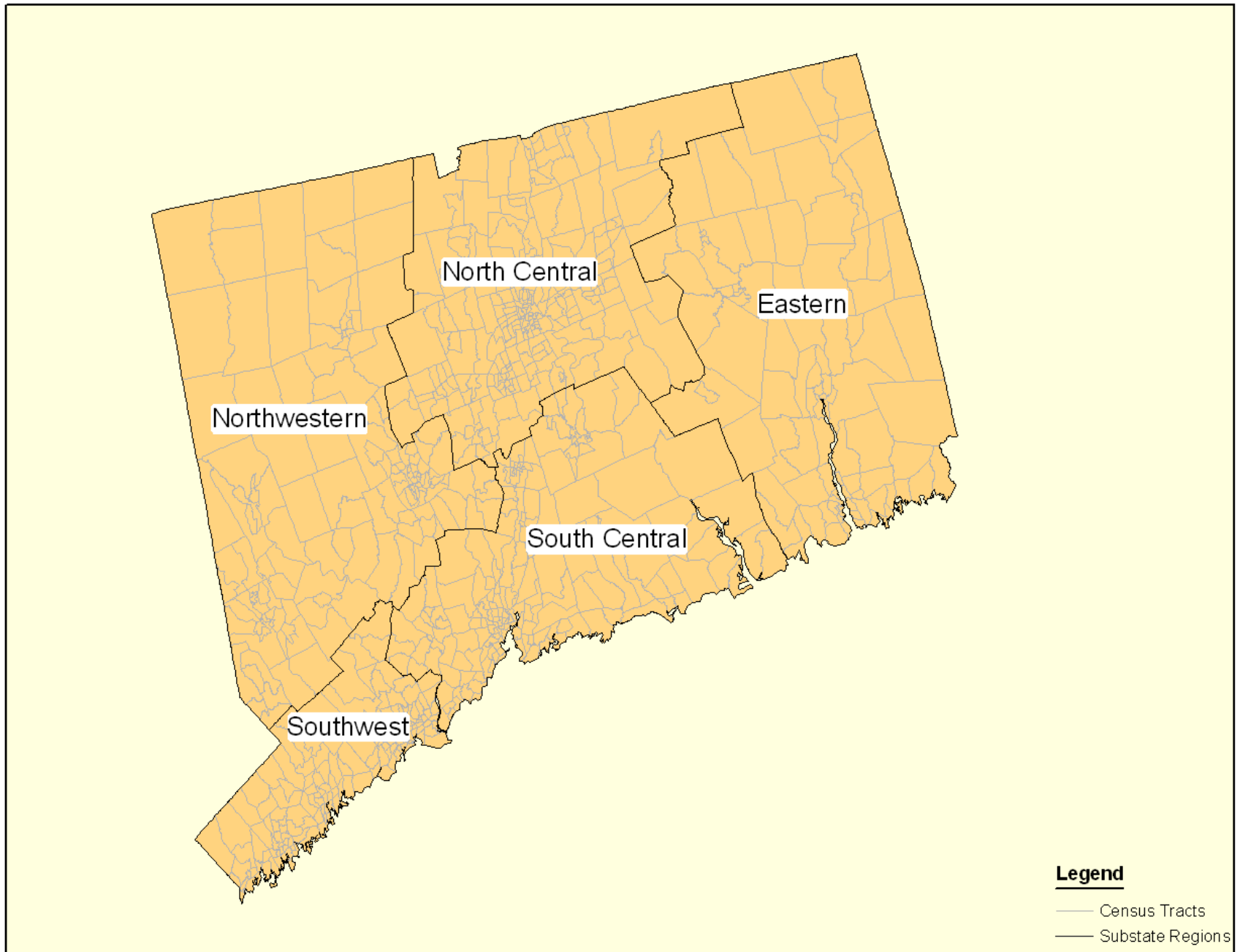


Table D7. CONNECTICUT – Substate Regions (defined in terms of census tracts, specified by a 6-digit tract identifier)

<p>The Connecticut Department of Mental Health and Addiction Services indicated that planning areas in Connecticut are defined in terms of townships, which in turn are defined in terms of census tracts within the State's eight counties. Several townships formed a single substate region.</p>	
Eastern	Tracts 690100 – 870100 in New London County; Tracts 840100 – 881500 in Tolland County; Tracts 800300 – 908100 in Windham County
North Central	Tracts 400100–524100 in Hartford; Tracts 425300 – 425500 in Litchfield County; Tracts 526100 – 538202, 890100, and 890200 in Tolland County
Northwestern	Tracts 200100 – 257100 in Fairfield County; Tract 330100 in Hartford County; Tracts 250100 – 362102 in Litchfield County; Tracts 341100 – 361300 in New Haven County
South Central	Tracts 110100 – 110600 in Fairfield County; Tracts 541100 – 680100 in Middlesex County; Tracts 120100 – 194202 in New Haven County; Tracts 650100 – 660102 in New London County
Southwest	Tracts 010101 – 105200 in Fairfield County

Figure D8. DELAWARE – Substate Regions (defined in terms of counties)

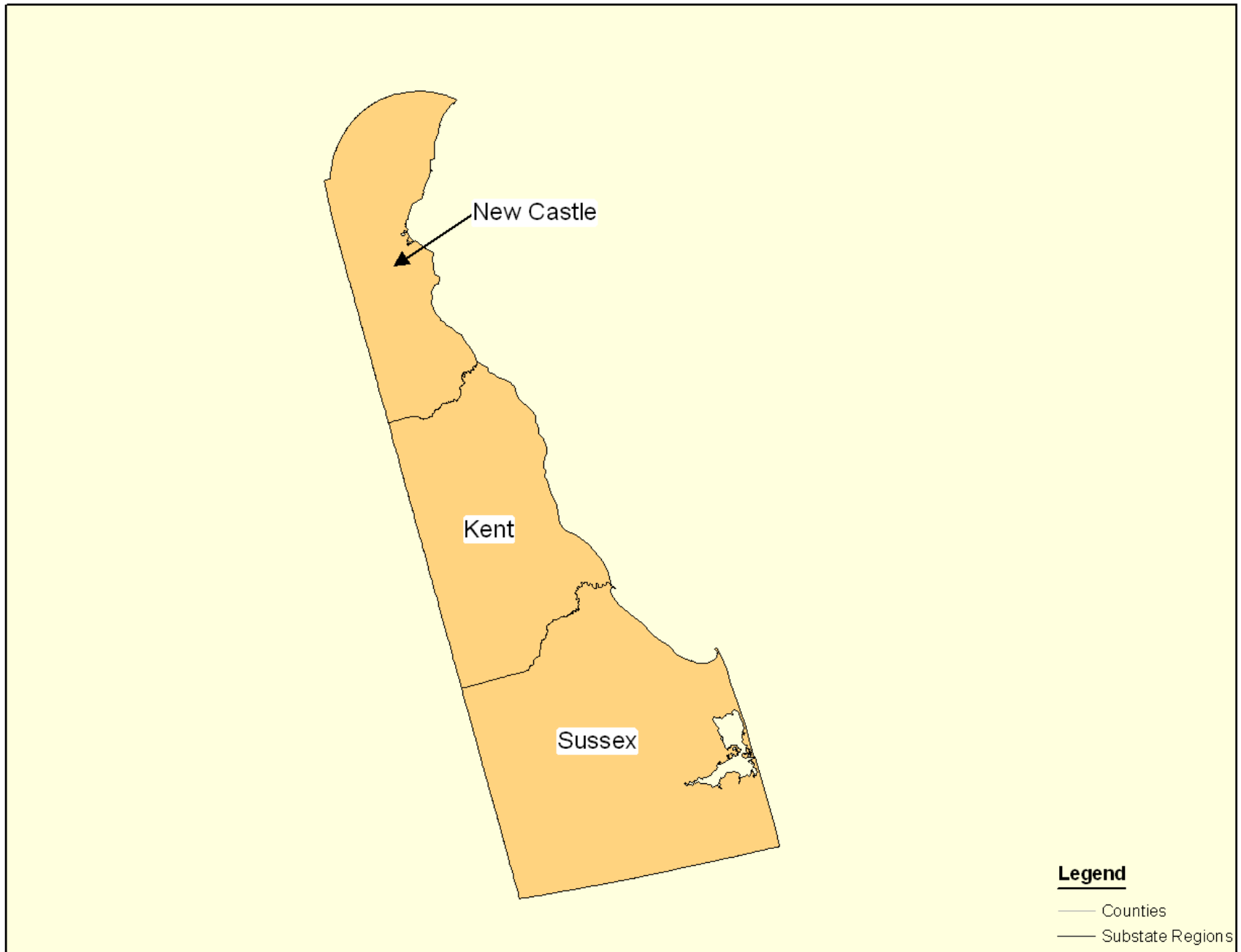


Table D8. DELAWARE – Substate Regions (defined in terms of counties)

<p>The State's Division of Alcoholism, Drug Abuse and Mental Health, Delaware Department of Health and Social Services, indicated that they use two planning regions (New Castle and the other two counties). In an effort to provide substance use information for more substate areas, the two-county planning area was divided into its separate counties. Substate regions here are hence defined as single counties.</p>		
Kent	New Castle	Sussex
Kent	New Castle	Sussex

Figure D9. DISTRICT OF COLUMBIA – Substate Regions (defined in terms of census tracts, specified by a 6-digit tract identifier)

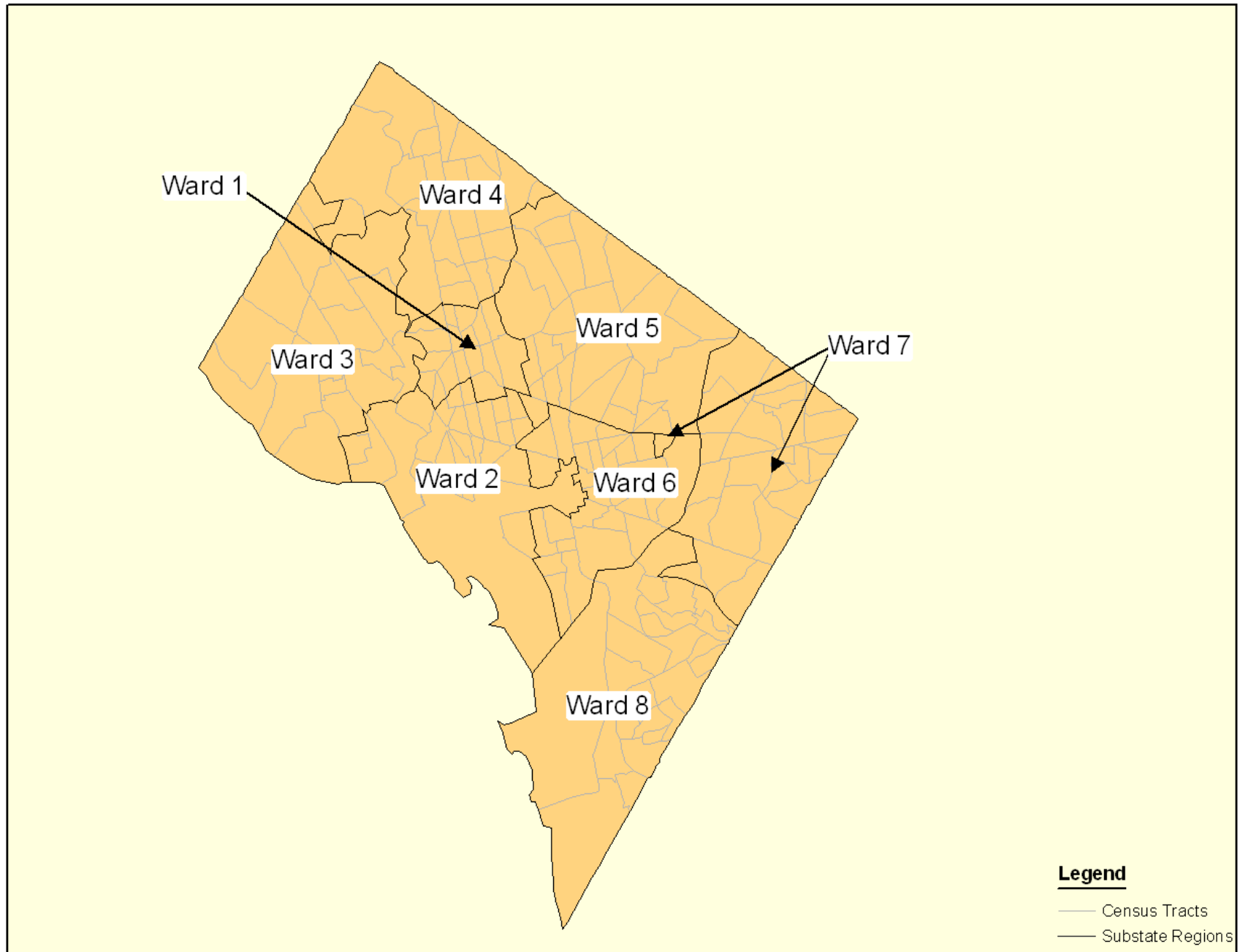


Table D9. DISTRICT OF COLUMBIA – Substate Regions (defined in terms of census tracts, specified by a 6-digit tract identifier)

<p>The District of Columbia's Department of Operations, Addiction Prevention and Recovery Administration, indicated that wards could be used as substate regions. These wards can be described in terms of census tracts (see the Office of Planning website at http://www.planning.dc.gov/planning). If a tract overlapped ward boundaries, the tract was placed in the ward in which the majority of the tract fell. Ward 7 is made up of nonadjacent tracts.</p>	
Ward 1	Tracts 002701 – 003200, 003400 – 004002, and 004400
Ward 2	Tracts 000100 – 000202, 004100 – 004300, 004801 – 005800, 006201, and 006202
Ward 3	Tracts 000300 – 001401
Ward 4	Tracts 001402 – 002301, 002400 – 002600, 009505, and 009507
Ward 5	Tracts 002302, 003301, 003302, 004600, 008701 – 009504, 009508, and 009509
Ward 6	Tracts 004700, 005900 – 006100, 006301 – 007200, 007901, and 008001 – 008600
Ward 7	Tracts 007603 – 007809, 007903, 009601 – 009604, and 009901 – 009907
Ward 8	Tracts 007301 – 007601 and 009700 – 009809

Figure D10. FLORIDA – Substate Regions (defined in terms of counties)

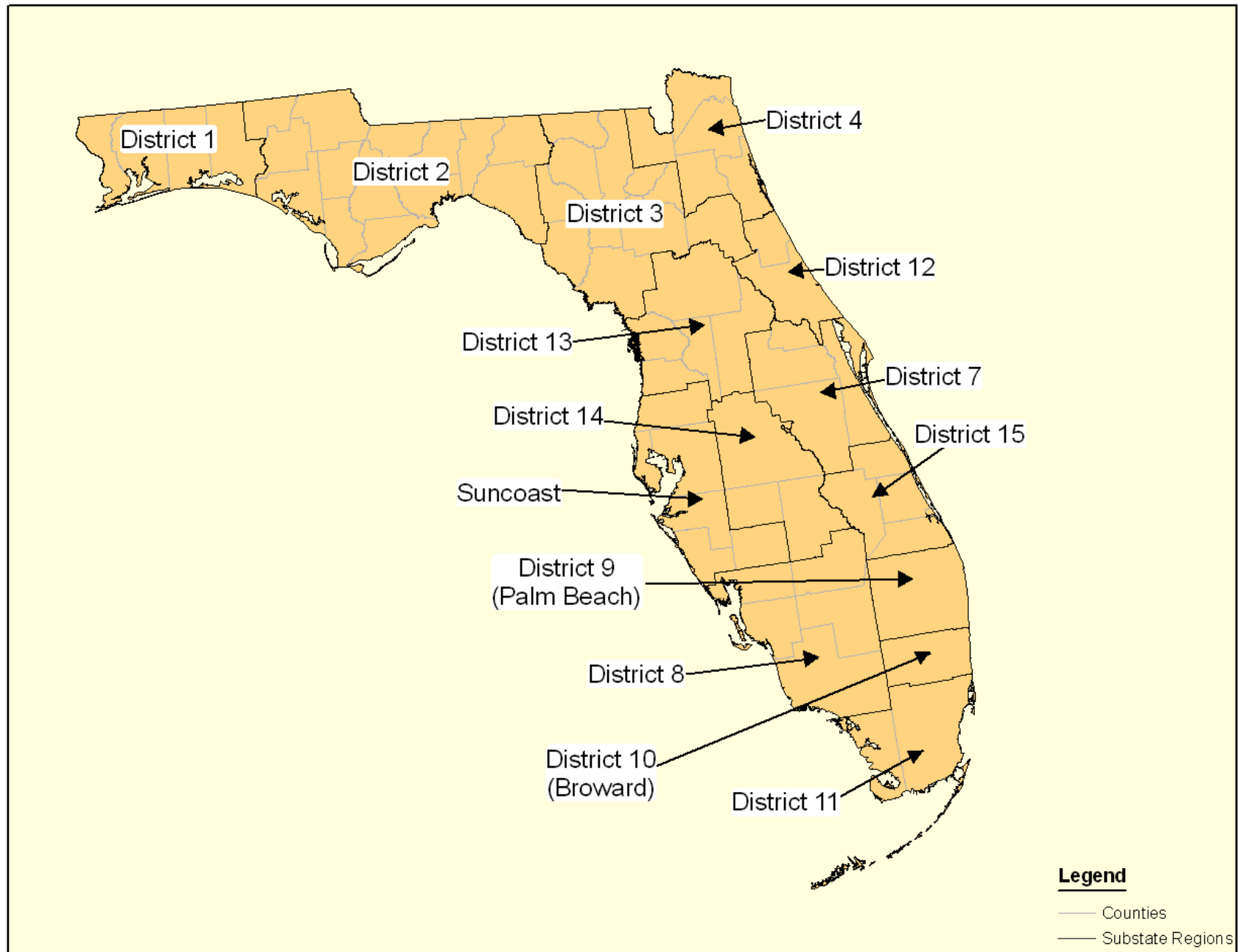


Table D10. FLORIDA – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the State's Substance Abuse Program Office, Florida Department of Children and Families, and are defined in terms of the State's 67 counties.						
District 1	District 2	District 3	District 4	District 7	District 8	District 9 (Palm Beach)
Escambia Okaloosa Santa Rosa Walton	Bay Calhoun Franklin Gadsden Gulf Holmes Jackson Jefferson Leon Liberty Madison Taylor Wakulla Washington	Alachua Bradford Columbia Dixie Gilchrist Hamilton Lafayette Levy Putnam Suwannee Union	Baker Clay Duval Nassau St. Johns	Brevard Orange Osceola Seminole	Charlotte Collier Glades Hendry Lee	Palm Beach
District 10 (Broward)	District 11	District 12	District 13	District 14	District 15	Suncoast
Broward	Miami-Dade Monroe	Flagler Volusia	Citrus Hernando Lake Marion Sumter	Hardee Highlands Polk	Indian River Martin Okeechobee St. Lucie	Desoto Hillsborough Manatee Pasco Pinellas Sarasota

Figure D11. GEORGIA – Substate Regions (defined in terms of counties)

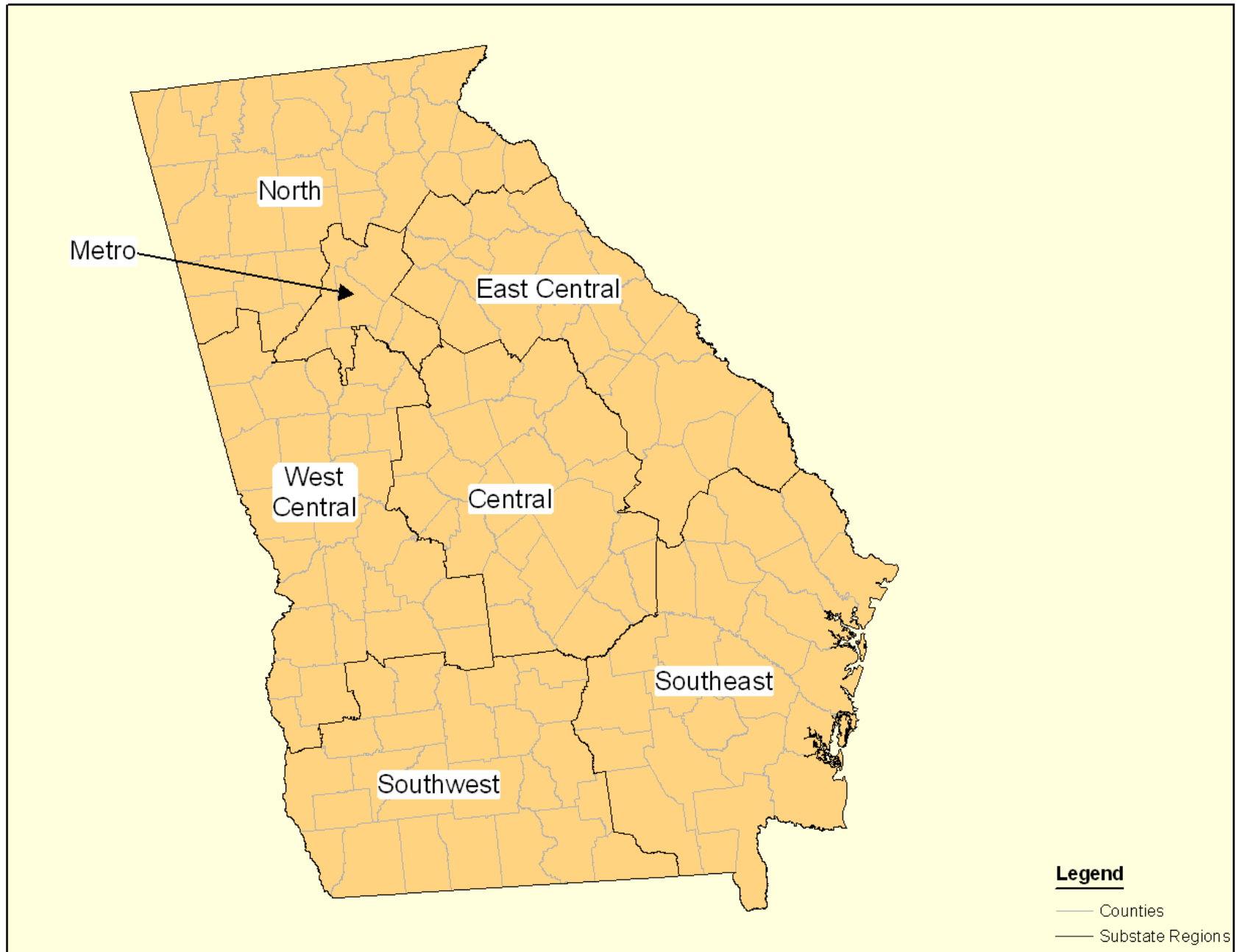


Table D11. GEORGIA – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the Georgia Department of Human Resources and are defined in terms of the State's 159 counties.							
Central	East Central	Metro	North		Southeast	Southwest	West Central
Baldwin	Barrow	Clayton	Banks	Walker	Appling	Baker	Butts
Bibb	Burke	De Kalb	Bartow	White	Atkinson	Ben Hill	Carroll
Bleckley	Clarke	Fulton	Catoosa	Whitfield	Bacon	Berrien	Chattahoochee
Crawford	Columbia	Gwinnett	Chattooga		Brantley	Brooks	Clay
Dodge	Elbert	Newton	Cherokee		Bryan	Calhoun	Coweta
Hancock	Emanuel	Rockdale	Cobb		Bulloch	Colquitt	Crisp
Houston	Glascock		Dade		Camden	Cook	Dooly
Jasper	Greene		Dawson		Candler	Decatur	Fayette
Johnson	Jackson		Douglas		Charlton	Dougherty	Harris
Jones	Jefferson		Fannin		Chatham	Early	Heard
Laurens	Jenkins		Floyd		Clinch	Echols	Henry
Monroe	Lincoln		Forsyth		Coffee	Grady	Lamar
Montgomery	Madison		Franklin		Effingham	Irwin	Macon
Peach	McDuffie		Gilmer		Evans	Lanier	Marion
Pulaski	Morgan		Gordon		Glynn	Lee	Meriwether
Putnam	Oconee		Habersham		Jeff Davis	Lowndes	Muscogee
Telfair	Oglethorpe		Hall		Liberty	Miller	Pike
Treutlen	Richmond		Haralson		Long	Mitchell	Quitman
Twiggs	Screven		Hart		McIntosh	Seminole	Randolph
Washington	Taliaferro		Lumpkin		Pierce	Terrell	Schley
Wheeler	Walton		Murray		Tattnall	Thomas	Spalding
Wilcox	Warren		Paulding		Toombs	Tift	Stewart
Wilkinson	Wilkes		Pickens		Ware	Turner	Sumter
			Polk		Wayne	Worth	Talbot
			Rabun				Taylor
			Stephens				Troup
			Towns				Upson
			Union				Webster

Figure D12. HAWAII – Substate Regions (defined in terms of counties)

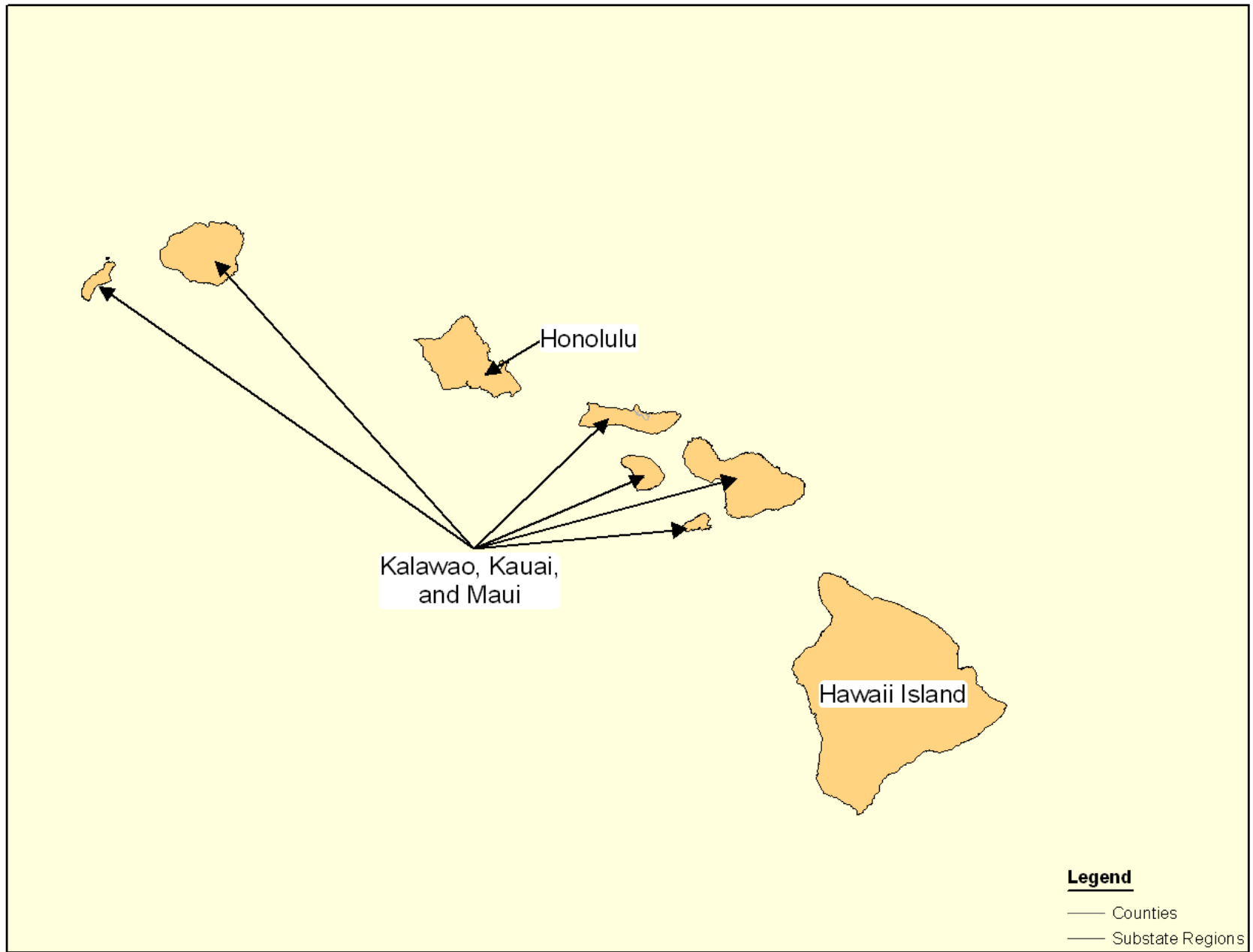


Table D12. HAWAII – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were provided by the State's Alcohol and Drug Abuse Division, Hawaii Department of Health, and are defined in terms of the State's five counties. Due to sample size constraints, certain counties were combined to form substate regions.</p>		
Hawaii Island	Honolulu	Kalawao, Kauai, and Maui
Hawaii	Honolulu	Kalawao Kauai Maui

Figure D13. IDAHO – Substate Regions (defined in terms of counties)

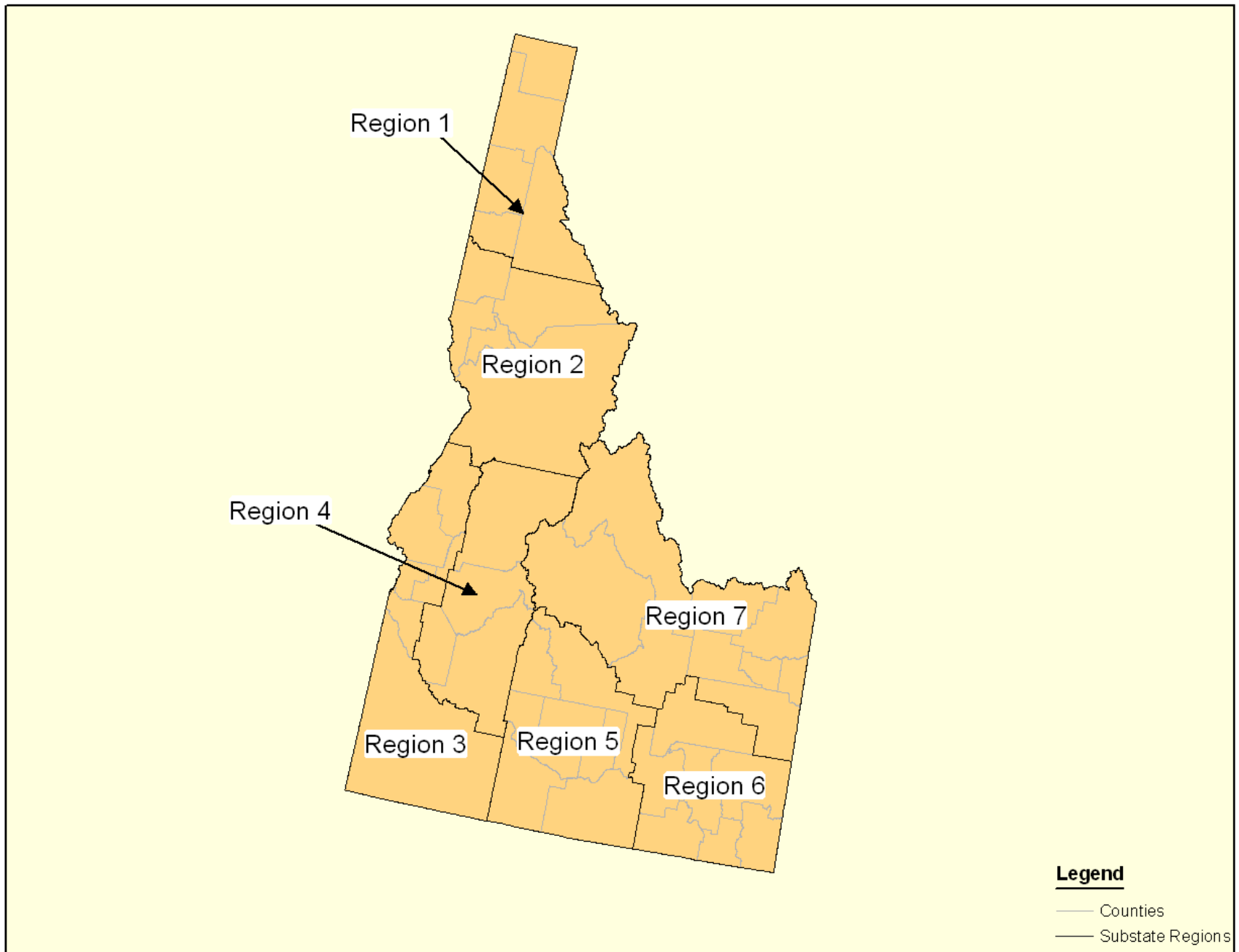


Table D13. IDAHO – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the State's Bureau of Mental Health and Substance Abuse, Division of Family and Community Services, Idaho Department of Health and Welfare, and are defined in terms of the State's 44 counties.						
Region 1	Region 2	Region 3	Region 4	Region 5	Region 6	Region 7
Benewah Bonner Boundary Kootenai Shoshone	Clearwater Idaho Latah Lewis Nez Perce	Adams Canyon Gem Owyhee Payette Washington	Ada Boise Elmore Valley	Blaine Camas Cassia Gooding Jerome Lincoln Minidoka Twin Falls	Bannock Bear Lake Bingham Caribou Franklin Oneida Power	Bonneville Butte Clark Custer Fremont Jefferson Lemhi Madison Teton

Figure D14. ILLINOIS – Substate Regions (defined in terms of counties)

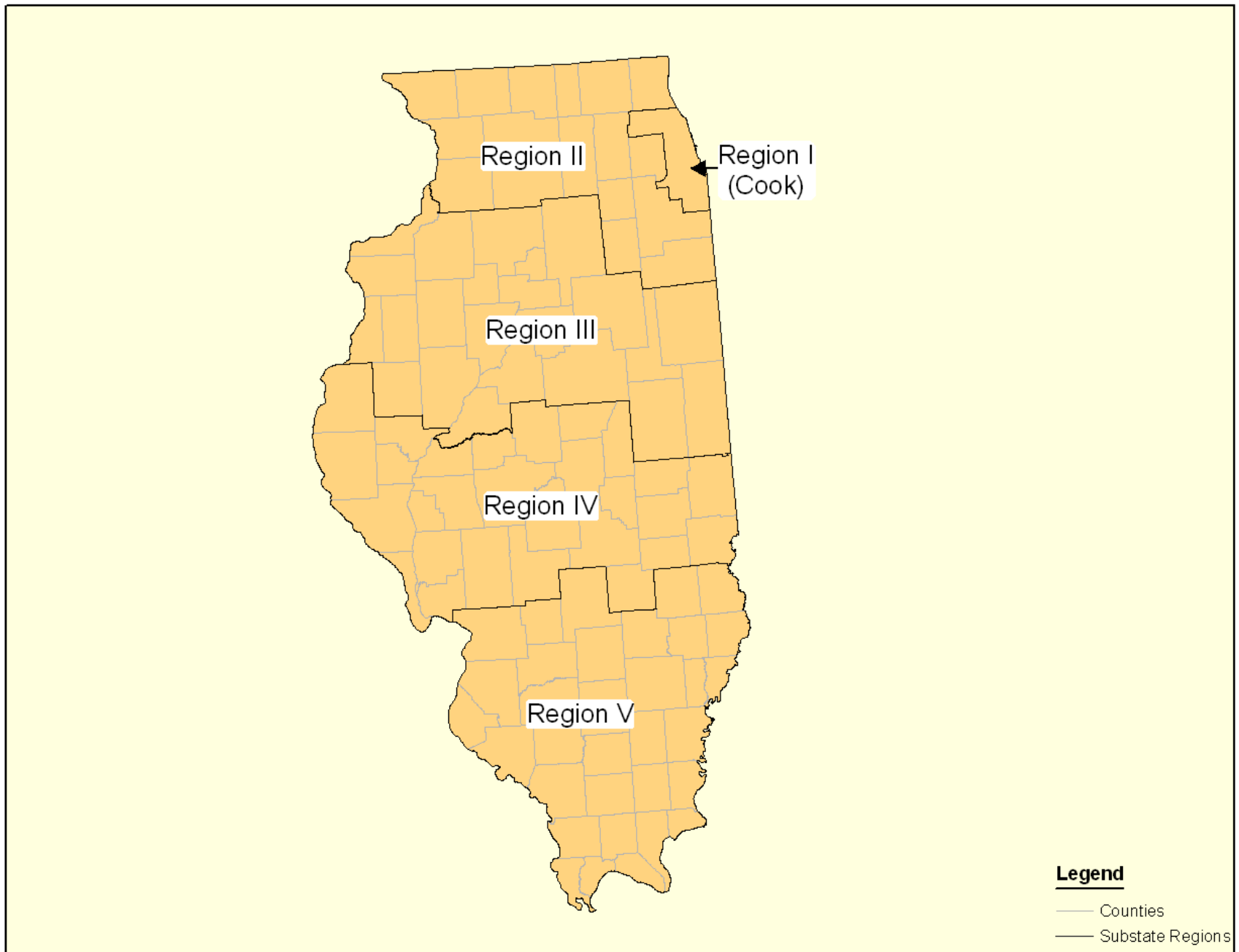


Table D14. ILLINOIS – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the Illinois Department of Human Services and are defined in terms of the State's 102 counties.					
Region 1 (Cook)	Region II	Region III	Region IV	Region V	
Cook	Boone Carroll De Kalb Du Page Grundy Jo Daviess Kane Kankakee Kendall Lake Lee McHenry Ogle Stephenson Whiteside Will Winnebago	Bureau Champaign Ford Fulton Henderson Henry Iroquois Knox La Salle Livingston Marshall Mason McDonough McLean Mercer Peoria Putnam Rock Island Stark Tazewell Vermilion Warren Woodford	Adams Brown Calhoun Cass Christian Clark Coles Cumberland De Witt Douglas Edgar Effingham Greene Hancock Jersey Logan Macon Macoupin Menard Montgomery Morgan Moultrie Piatt Pike Sangamon Schuyler Scott Shelby	Alexander Bond Clay Clinton Crawford Edwards Fayette Franklin Gallatin Hamilton Hardin Jackson Jasper Jefferson Johnson Lawrence Madison Marion Massac Monroe Perry Pope Pulaski Randolph Richland Saline St. Clair Union	Wabash Washington Wayne White Williamson

Figure D15. INDIANA – Substate Regions (defined in terms of counties)

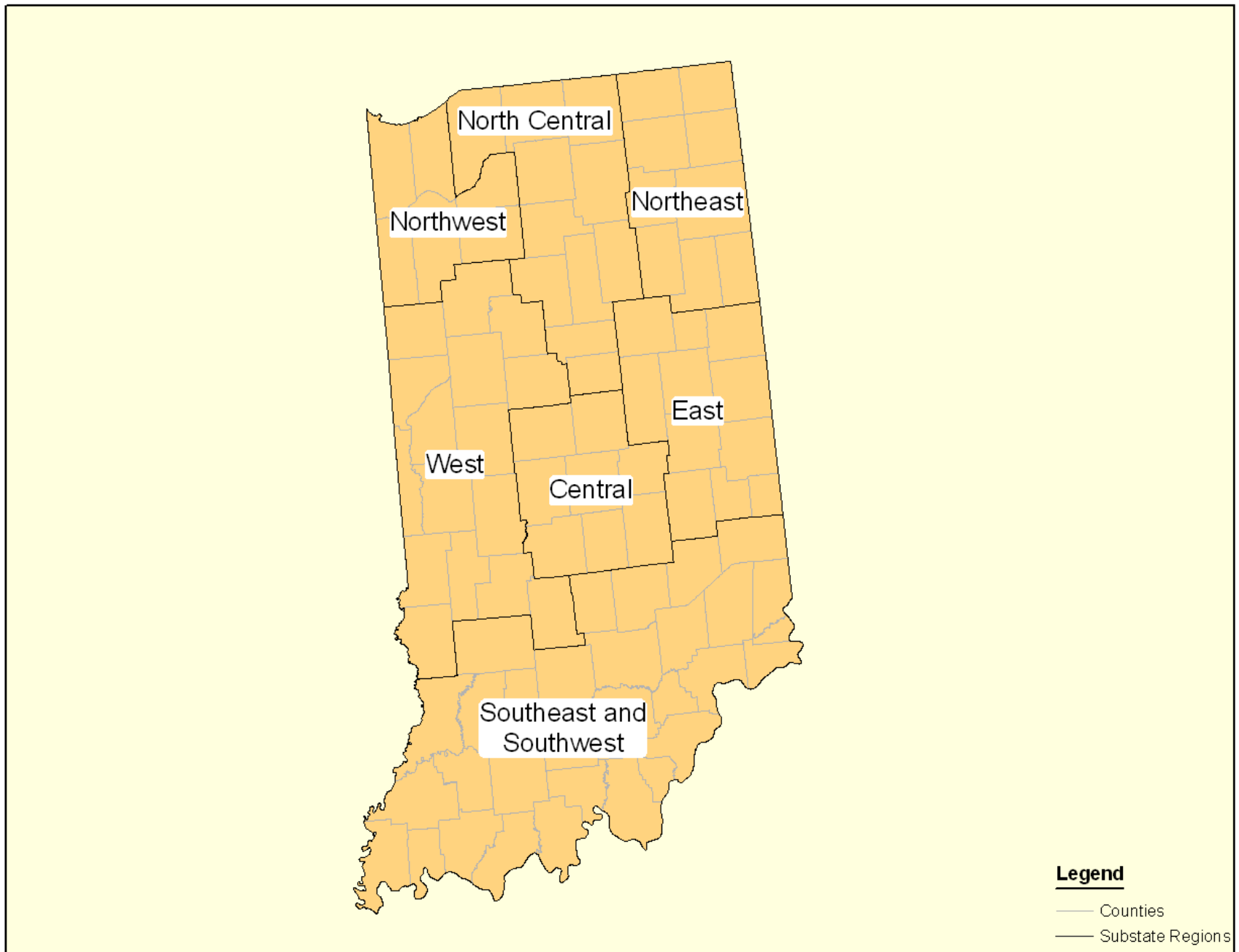


Table D15. INDIANA – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the State's Division of Mental Health, Indiana Family and Social Services Administration, and are defined in terms of the State's 92 counties. Due to sample size constraints, certain planning areas were combined to form substate regions.

Central	East	North Central	Northeast	Northwest	Southeast and Southwest		West
Boone	Blackford	Cass	Adams	Jasper	<u>Southeast</u>	<u>Southwest</u>	Benton
Hamilton	Delaware	Elkhart	Allen	Lake	Bartholomew	Daviess	Carroll
Hancock	Fayette	Fulton	De Kalb	Newton	Brown	Dubois	Clay
Hendricks	Grant	Howard	Huntington	Porter	Clark	Gibson	Clinton
Johnson	Henry	Kosciusko	LaGrange	Pulaski	Crawford	Greene	Fountain
Marion	Jay	La Porte	Noble	Starke	Dearborn	Knox	Monroe
Morgan	Madison	Marshall	Steuben		Decatur	Martin	Montgomery
Shelby	Randolph	Miami	Wells		Floyd	Perry	Owen
	Rush	St. Joseph	Whitley		Franklin	Pike	Parke
	Union	Tipton			Harrison	Posey	Putnam
	Wayne	Wabash			Jackson	Spencer	Sullivan
					Jefferson	Vanderburgh	Tippecanoe
					Jennings	Warrick	Vermillion
					Lawrence		Vigo
					Ohio		Warren
					Orange		White
					Ripley		
					Scott		
					Switzerland		
					Washington		

Figure D16. IOWA – Substate Regions (defined in terms of counties)

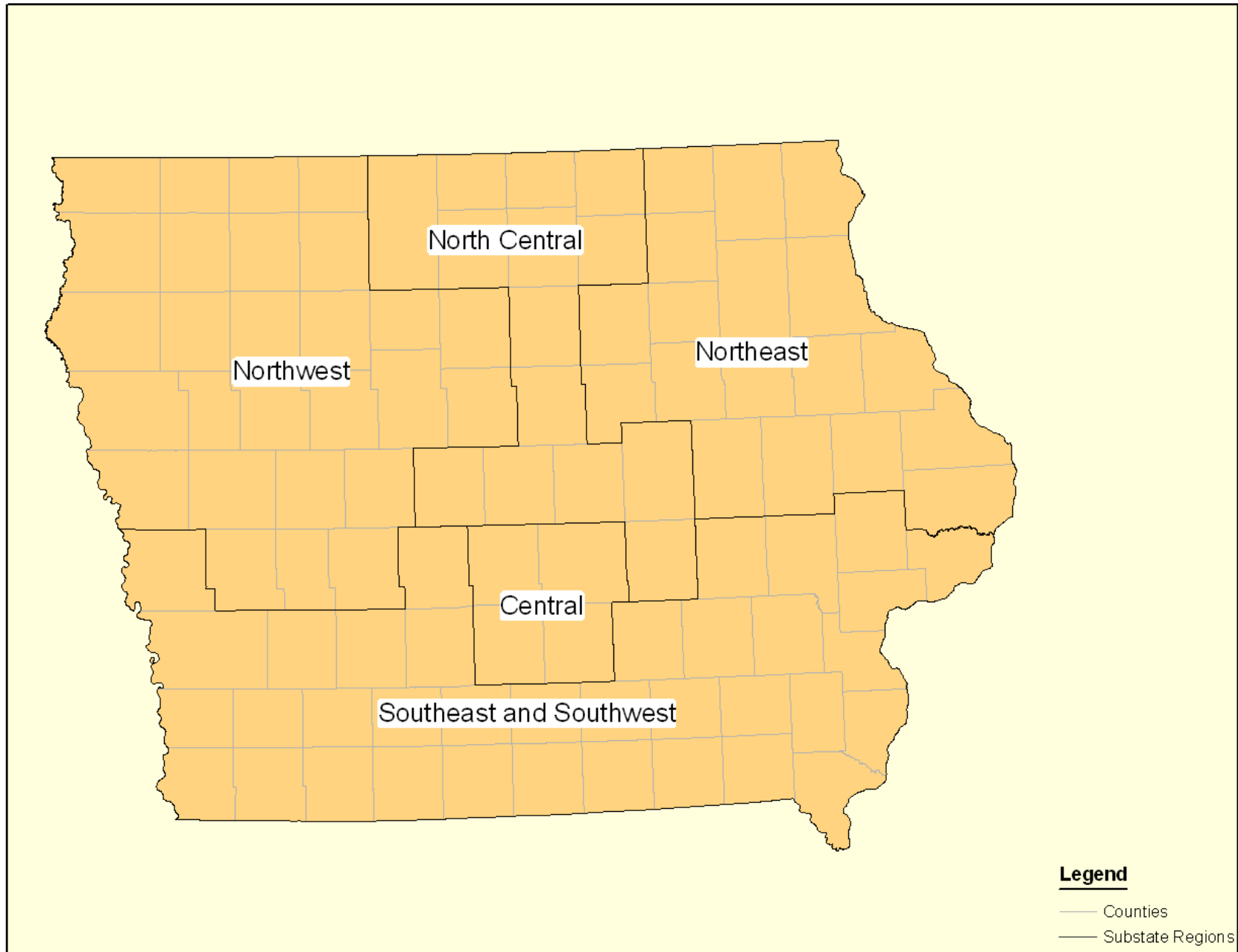


Table D16. IOWA – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the State's Division of Health Promotion, Prevention and Addictive Behaviors, Iowa Department of Public Health, and are defined in terms of the State's 99 counties. Due to sample size constraints, certain planning areas were combined to form substate regions.					
Central	North Central	Northeast	Northwest	Southeast and Southwest	
Jasper	Boone	Allamakee	Audubon	<u>Southeast</u>	<u>Southwest</u>
Marion	Cerro Gordo	Benton	Buena Vista	Appanoose	Adair
Polk	Floyd	Black Hawk	Calhoun	Cedar	Adams
Warren	Franklin	Bremer	Carroll	Davis	Cass
	Hancock	Buchanan	Cherokee	Des Moines	Clarke
	Hardin	Butler	Clay	Henry	Dallas
	Kossuth	Chickasaw	Crawford	Iowa	Decatur
	Marshall	Clayton	Dickinson	Jefferson	Fremont
	Mitchell	Clinton	Emmet	Johnson	Harrison
	Poweshiek	Delaware	Greene	Keokuk	Madison
	Story	Dubuque	Guthrie	Lee	Mills
	Tama	Fayette	Hamilton	Louisa	Montgomery
	Winnebago	Grundy	Humboldt	Lucas	Page
	Worth	Howard	Ida	Mahaska	Pottawattamie
		Jackson	Lyon	Monroe	Ringgold
		Jones	Monona	Muscatine	Taylor
		Linn	O' Brien	Scott	Union
		Winneshiek	Osceola	Van Buren	
			Palo Alto	Wapello	
			Plymouth	Washington	
			Pocahontas	Wayne	
			Sac		
			Shelby		
			Sioux		
			Webster		
			Woodbury		
			Wright		

Figure D17. KANSAS – Substate Regions (defined in terms of counties)

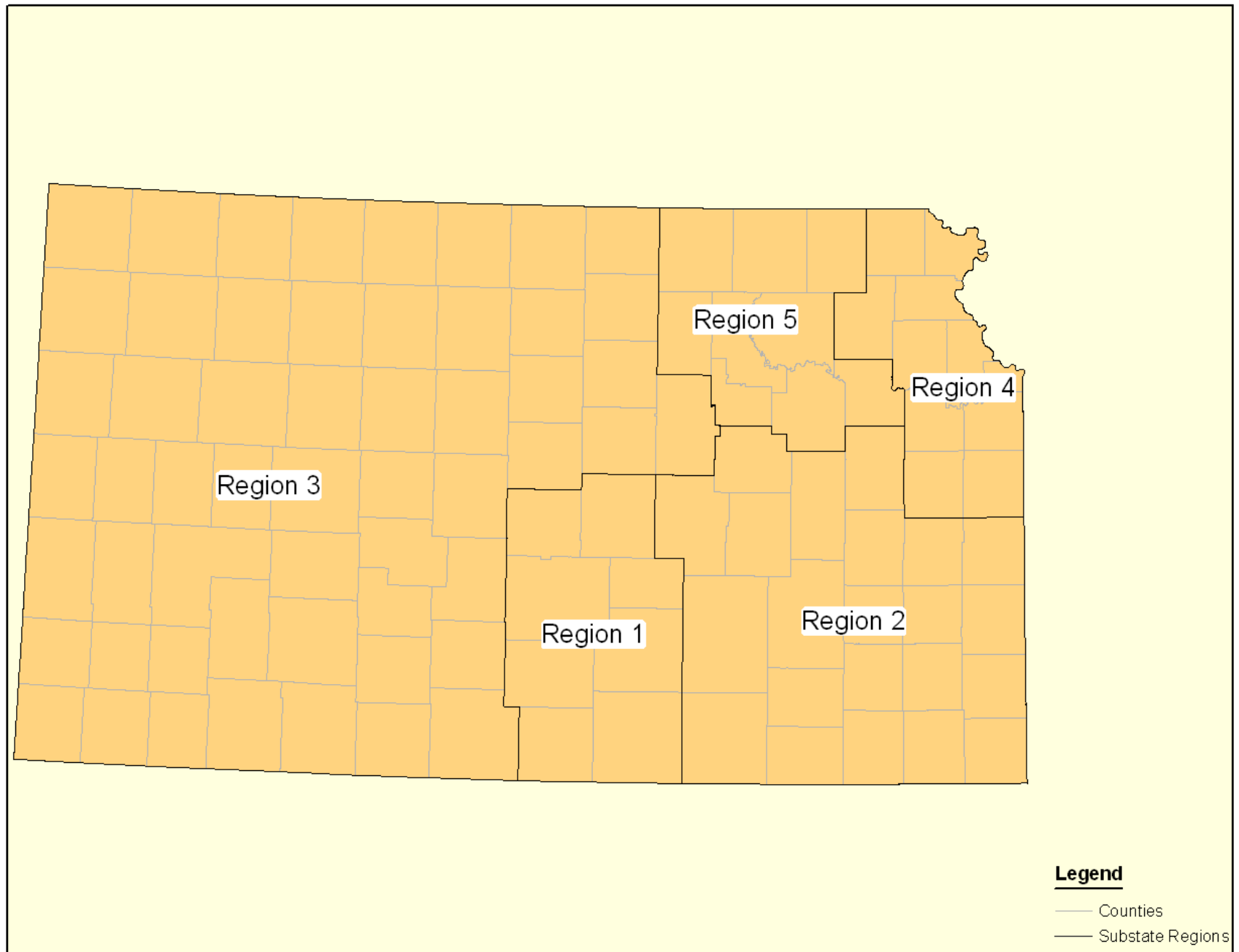


Table D17. KANSAS – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the Kansas Department of Social and Rehabilitation Services and are defined in terms of the State's 105 counties.					
Region 1	Region 2	Region 3		Region 4	Region 5
Harper	Allen	Barber	Mitchell	Atchison	Clay
Harvey	Anderson	Barton	Morton	Brown	Geary
Kingman	Bourbon	Cheyenne	Ness	Doniphan	Marshall
McPherson	Butler	Clark	Norton	Douglas	Nemaha
Reno	Chase	Cloud	Osborne	Franklin	Pottawatomie
Rice	Chautauqua	Comanche	Ottawa	Jackson	Riley
Sedgwick	Cherokee	Decatur	Pawnee	Jefferson	Shawnee
Sumner	Coffey	Dickinson	Phillips	Johnson	Wabaunsee
	Cowley	Edwards	Pratt	Leavenworth	Washington
	Crawford	Ellis	Rawlins	Miami	
	Elk	Ellsworth	Republic	Wyandotte	
	Greenwood	Finney	Rooks		
	Labette	Ford	Rush		
	Linn	Gove	Russell		
	Lyon	Graham	Saline		
	Marion	Grant	Scott		
	Montgomery	Gray	Seward		
	Morris	Greeley	Sheridan		
	Neosho	Hamilton	Sherman		
	Osage	Haskell	Smith		
	Wilson	Hodgeman	Stafford		
	Woodson	Jewell	Stanton		
		Kearny	Stevens		
		Kiowa	Thomas		
		Lane	Trego		
		Lincoln	Wallace		
		Logan	Wichita		
		Meade			

Figure D18. KENTUCKY – Substate Regions (defined in terms of counties)

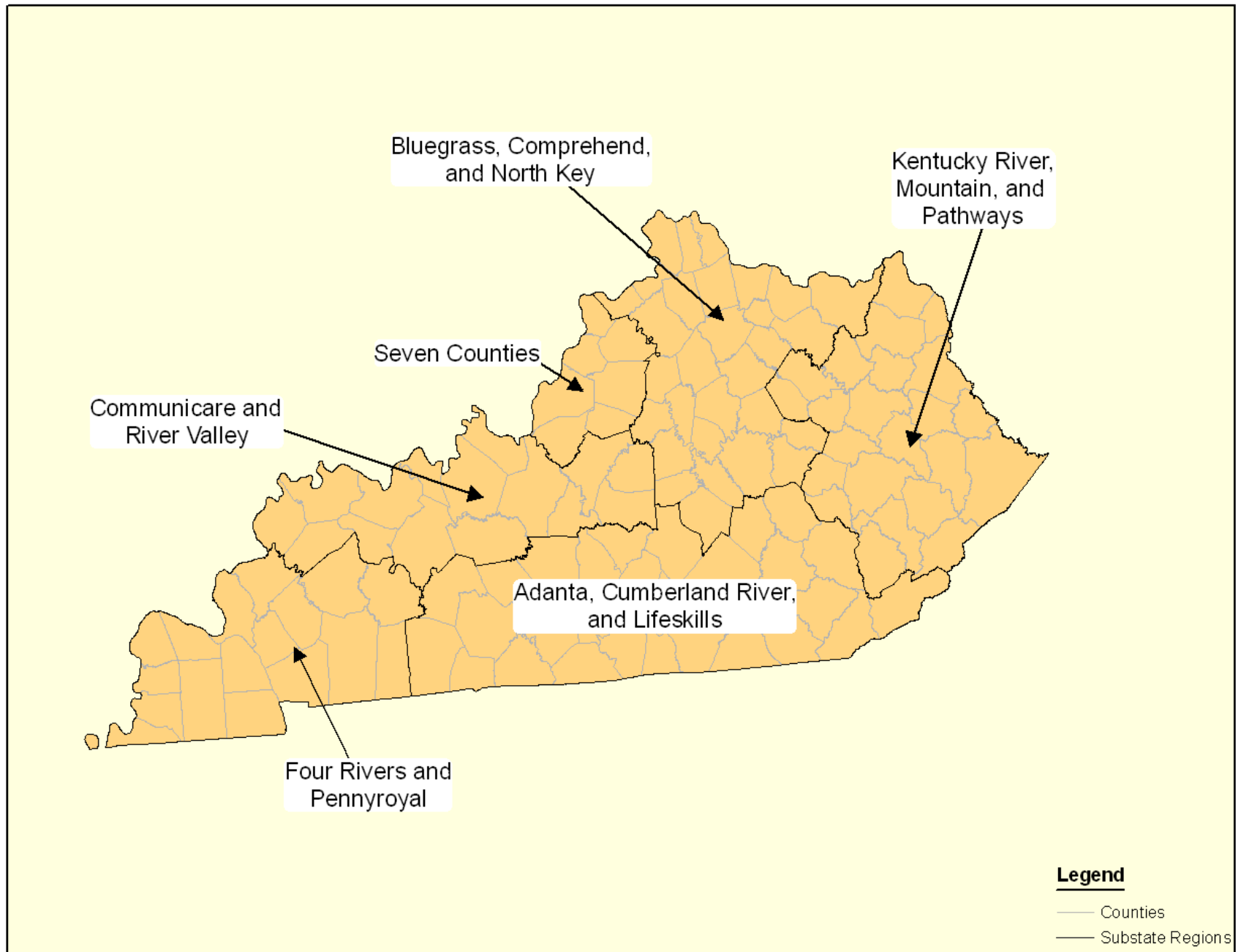


Table D18. KENTUCKY – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the Kentucky Department of Mental Health and Mental Retardation Services and are defined in terms of the State's 120 counties. Due to sample size constraints, certain planning areas were combined to form substate regions.

Adanta, Cumberland River, and Lifeskills		Bluegrass, Comprehend, and North Key		Communicare and River Valley	Four Rivers and Pennyroyal	Kentucky River, Mountain, and Pathways		Seven Counties
<u>Adanta</u>	<u>Lifeskills</u>	<u>Bluegrass</u>	<u>Comprehend</u>	<u>Communicare</u>	<u>Four Rivers</u>	<u>Kentucky River</u>	<u>Pathways</u>	Bullitt
Adair	Allen	Anderson	Bracken	Breckinridge	Ballard	Breathitt	Bath	Henry
Casey	Barren	Bourbon	Fleming	Grayson	Calloway	Knott	Boyd	Jefferson
Clinton	Butler	Boyle	Lewis	Hardin	Carlisle	Lee	Carter	Oldham
Cumberland	Edmonson	Clark	Mason	Larue	Fulton	Leslie	Elliott	Shelby
Green	Hart	Estill	Robertson	Marion	Graves	Letcher	Greenup	Spencer
McCreary	Logan	Fayette		Meade	Hickman	Owsley	Lawrence	Trimble
Pulaski	Metcalfe	Franklin	<u>North Key</u>	Nelson	Livingston	Perry	Menifee	
Russell	Monroe	Garrard	Boone	Washington	Marshall	Wolfe	Montgomery	
Taylor	Simpson	Harrison	Campbell		McCracken		Morgan	
Wayne	Warren	Jessamine	Carroll	<u>River Valley</u>		<u>Mountain</u>	Rowan	
		Lincoln	Gallatin	Daviess	<u>Pennyroyal</u>	Floyd		
<u>Cumberland</u>		Madison	Grant	Hancock	Caldwell	Johnson		
<u>River</u>		Mercer	Kenton	Henderson	Christian	Magoffin		
Bell		Nicholas	Owen	McLean	Crittenden	Martin		
Clay		Powell	Pendleton	Ohio	Hopkins	Pike		
Harlan		Scott		Union	Lyon			
Jackson		Woodford		Webster	Muhlenberg			
Knox					Todd			
Laurel					Trigg			
Rockcastle								
Whitley								

Figure D19. LOUISIANA – Substate Regions (defined in terms of parishes)

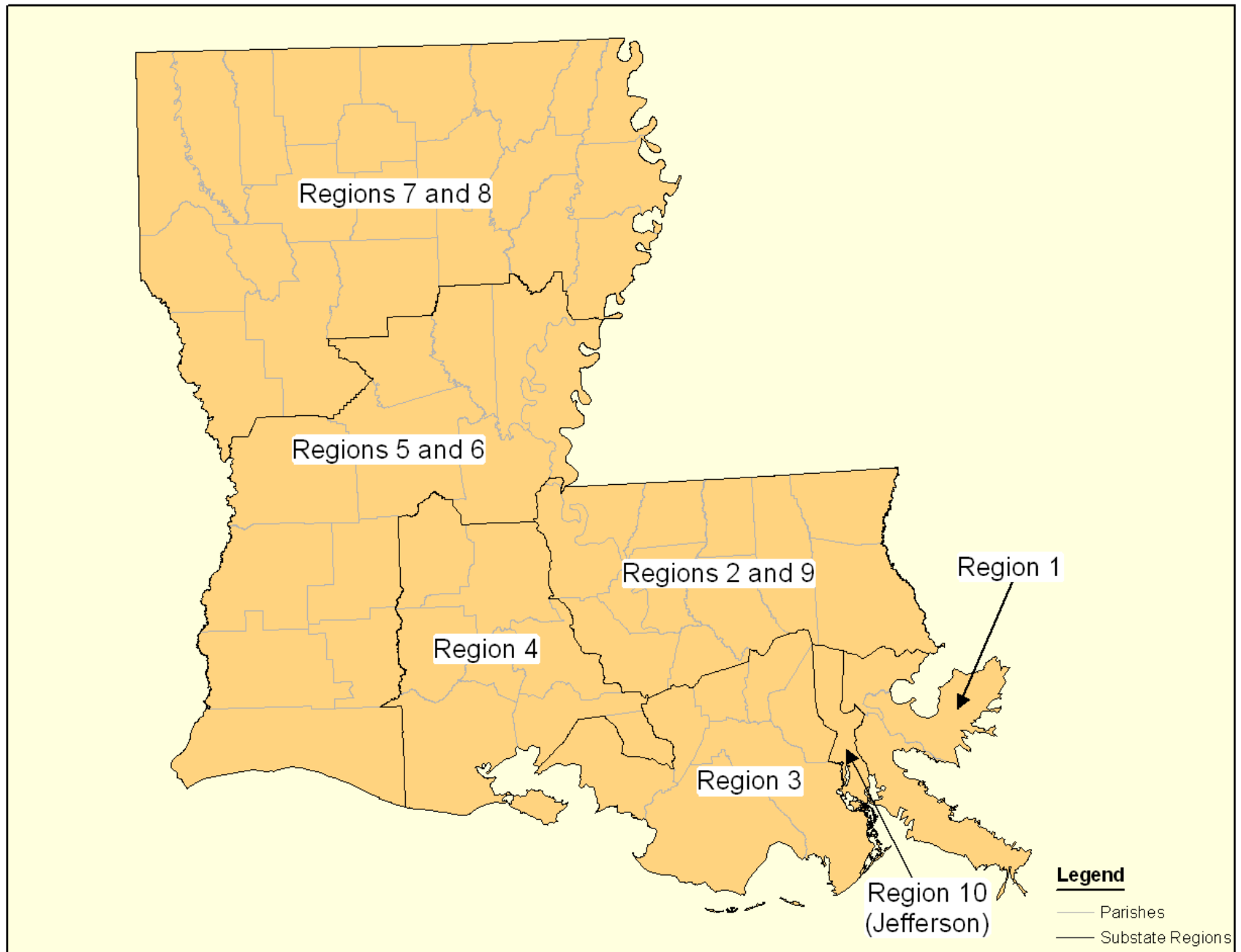


Table D19. LOUISIANA – Substate Regions (defined in terms of parishes)

The substate regions defined here were provided by the State's Office for Addictive Disorders, Louisiana Department of Health and Hospitals, and are defined in terms of the State's 64 parishes. Due to sample size constraints, certain planning areas were combined to form substate regions.

Region 1	Regions 2 and 9	Region 3	Region 4	Regions 5 and 6	Regions 7 and 8	Region 10 (Jefferson)
Orleans Plaquemines St. Bernard	<u>Region 2</u> Ascension East Baton Rouge East Feliciana Iberville Pointe Coupee West Baton Rouge West Feliciana <u>Region 9</u> Livingston St. Helena St. Tammany Tangipahoa Washington	Assumption Lafourche St. Charles St. James St. John the Baptist St. Mary Terrebonne	Acadia Evangeline Iberia Lafayette St. Landry St. Martin Vermilion	<u>Region 5</u> Allen Beauregard Calcasieu Cameron Jefferson Davis <u>Region 6</u> Avoyelles Catahoula Concordia Grant La Salle Rapides Vernon	<u>Region 7</u> Bienville Bossier Caddo Claiborne De Soto Natchitoches Red River Sabine Webster Winn <u>Region 8</u> Caldwell East Carroll Franklin Jackson Lincoln Madison Morehouse Ouachita Richland Tensas Union West Carroll	Jefferson

Figure D20. MAINE – Substate Regions (defined in terms of counties)

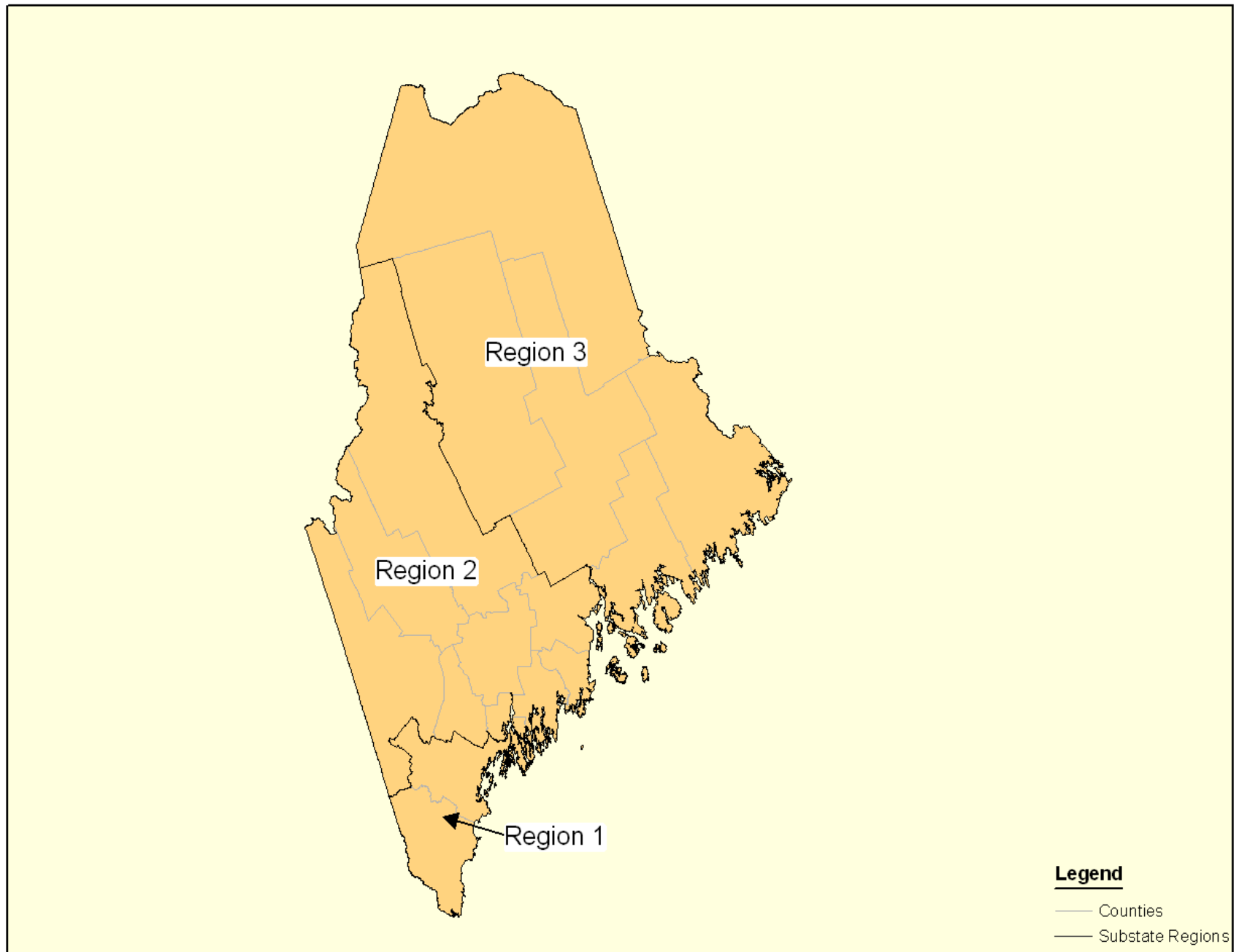


Table D20. MAINE – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were obtained from the State's Division of Behavioral and Development Services, Maine Department of Health and Human Services (see their website at http://www.maine.gov/dhhs/bds/mhservices/MapRegions.html), and are defined in terms of the State's 16 counties.</p>		
Region 1	Region 2	Region 3
Cumberland York	Androscoggin Franklin Kennebec Knox Lincoln Oxford Sagadahoc Somerset Waldo	Aroostook Hancock Penobscot Piscataquis Washington

Figure D21. MARYLAND – Substate Regions (defined in terms of counties)

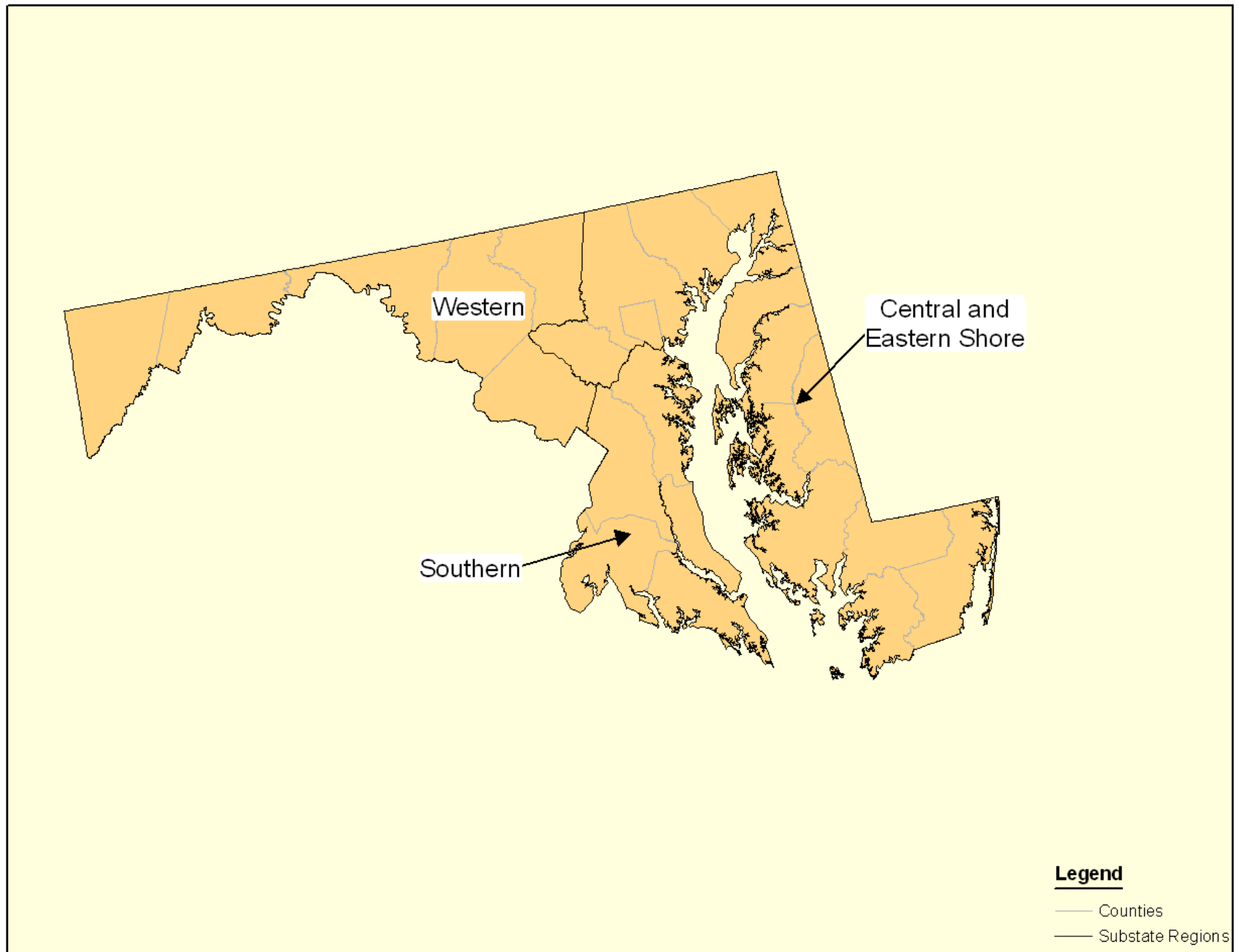


Table D21. MARYLAND – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were provided by the State's Alcohol and Drug Abuse Administration, Maryland Department of Health and Mental Hygiene, and are defined in terms of the State's 23 counties and the City of Baltimore. Due to sample size constraints, certain planning areas were combined to form substate regions.</p>			
Central and Eastern Shore		Southern	Western
<u>Central</u>	<u>Eastern Shore</u>	Anne Arundel	Allegany
Baltimore	Caroline	Calvert	Carroll
Baltimore City	Cecil	Charles	Frederick
Harford	Dorchester	Prince George's	Garrett
Howard	Kent	St. Mary's	Montgomery
	Queen Anne's		Washington
	Somerset		
	Talbot		
	Wicomico		
	Worcester		

Figure D22. MASSACHUSETTS – Substate Regions (defined in terms of census tracts, specified by a 6-digit tract identifier)

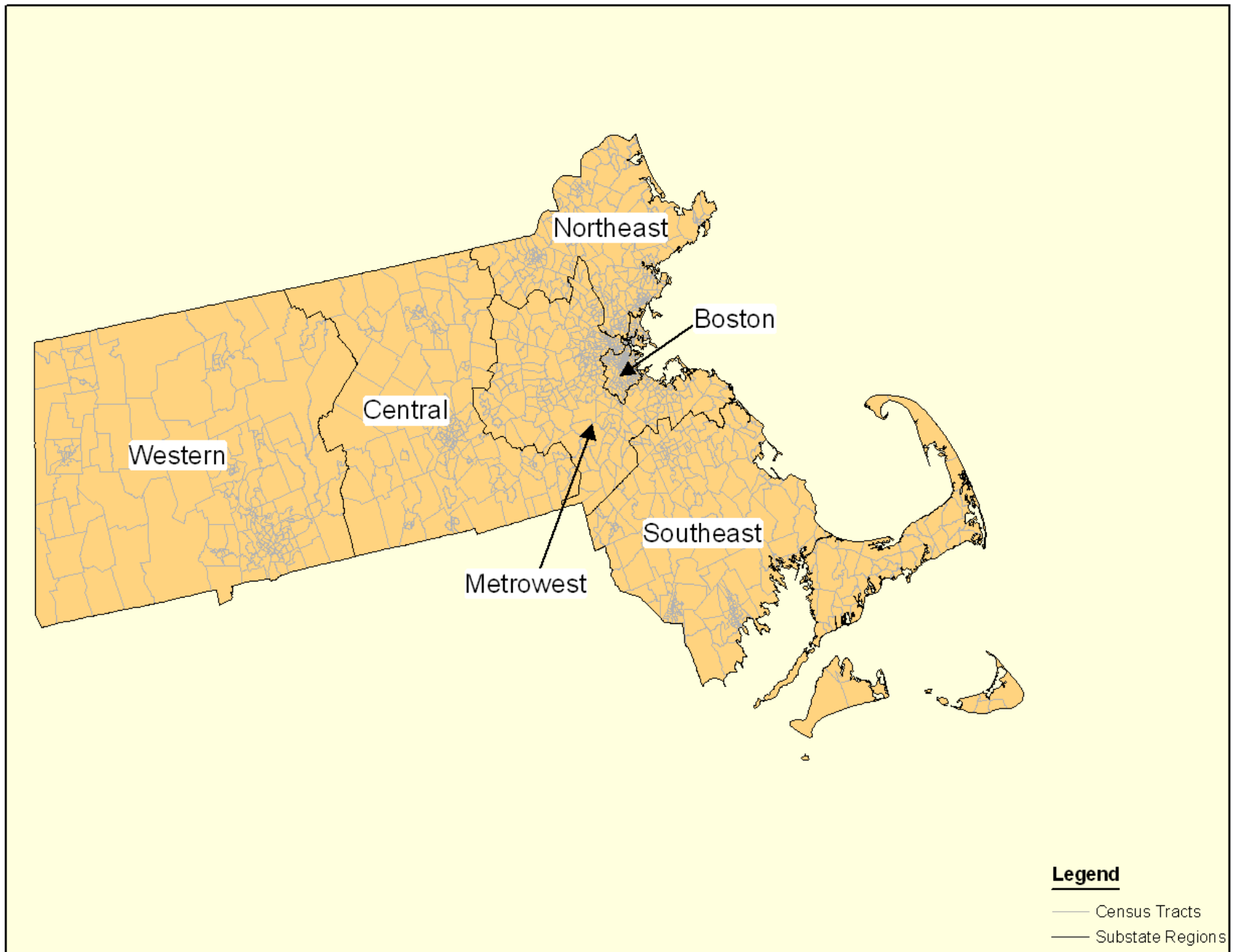


Table D22. MASSACHUSETTS – Substate Regions (defined in terms of census tracts, specified by a 6-digit tract identifier)

The substate regions defined here were based on information provided by the State's Bureau of Substance Abuse Services, Massachusetts Department of Public Health, and are defined in terms of census tracts within the State's 14 counties.	
Boston	Tracts 400100 – 401200 in Norfolk County; Tracts 000100 – 180500 in Suffolk County
Central	Tracts 813800 in Hampden County; Tracts 300100 – 302200 and 325100 – 327103 in Middlesex County; Tracts 408101, 408102, and 442101 – 443102 in Norfolk County; Tracts 700100 – 702200, 705100 – 739500, and 743100 – 761100 in Worcester County
Metrowest	Tracts 320101 – 324100, 331101 – 333600, 338100 – 338500, and 350100 – 388100 in Middlesex County; Tracts 402101 – 407100, 409101 – 420302, and 422100 – 441202 in Norfolk County; Tracts 500101 – 501202 and 504101 – 505200 in Plymouth County; Tracts 740101 – 742400 in Worcester County
Northeast	Tracts 201100 – 270100 in Essex County; Tracts 310100 – 318400, 328100 – 330200, 334100 – 337300, and 339100 – 342600 in Middlesex County
Southeast	Tracts 010100 – 015200 in Barnstable County; Tracts 600100 – 655400 in Bristol County; Tracts 200100 – 200400 in Dukes County; Tracts 950100 – 950500 in Nantucket County; Tracts 421100, 421200, and 456101 – 457100 in Norfolk County; Tracts 502101 – 503102 and 506101 – 561100 in Plymouth County
Western	Tracts 900100 – 935100 in Berkshire County; Tracts 040100 – 041500 in Franklin County; Tracts 800100 – 813700 in Hampden County; Tracts 820101 – 822700 in Hampshire County; Tracts 703100 – 704200 in Worcester County

Figure D23. MICHIGAN – Substate Regions (defined in terms of counties)



Table D23. MICHIGAN – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the State's Bureau of Substance Abuse and Addiction Services, Michigan Department of Community Health. All substate regions for Michigan were defined in terms of the State's 83 counties, with the exception of the Detroit City and Southeast regions. The Detroit City region (that lies in Wayne County) was defined based on all of the census tracts that are either fully or partially in Detroit City. The Southeast region comprises all the tracts that are in Wayne County (except those in the Detroit City limits) and Monroe County. Some of these substate regions are made up of nonadjacent counties.

Bay and Saginaw	Detroit City	Genesee	Kalamazoo	Kent	Lakeshore	Macomb	Mid South
Arenac Bay Huron Montcalm Saginaw Shiawassee Tuscola	Part of Wayne County (specified by tracts 500100 – 546900 and 51600)	Genesee	Barry Branch Kalamazoo St. Joseph Van Buren	Kent	Allegan Berrien Cass Muskegon Ottawa	Macomb	Calhoun Clinton Eaton Gratiot Hillsdale Ingham Ionia Jackson Lenawee Newaygo
Northern		Oakland	Pathways and Western	Southeast	St. Clair	Washtenaw	
Alcona Alpena Antrim Benzie Charlevoix Cheboygan Clare Crawford Emmet Gladwin Grand Traverse Iosco Isabella Kalkaska Lake	Leelanau Manistee Mason Mecosta Midland Missaukee Montmorency Oceana Ogemaw Osceola Oscoda Otsego Presque Isle Roscommon Wexford	Oakland	Alger Baraga Chippewa Delta Dickinson Gogebic Houghton Iron Keweenaw Luce Mackinac Marquette Menominee Ontonagon Schoolcraft	Monroe Wayne (excluding Detroit City)	Lapeer Sanilac St. Clair	Livingston Washtenaw	

Figure D24. MINNESOTA – Substate Regions (defined in terms of counties)

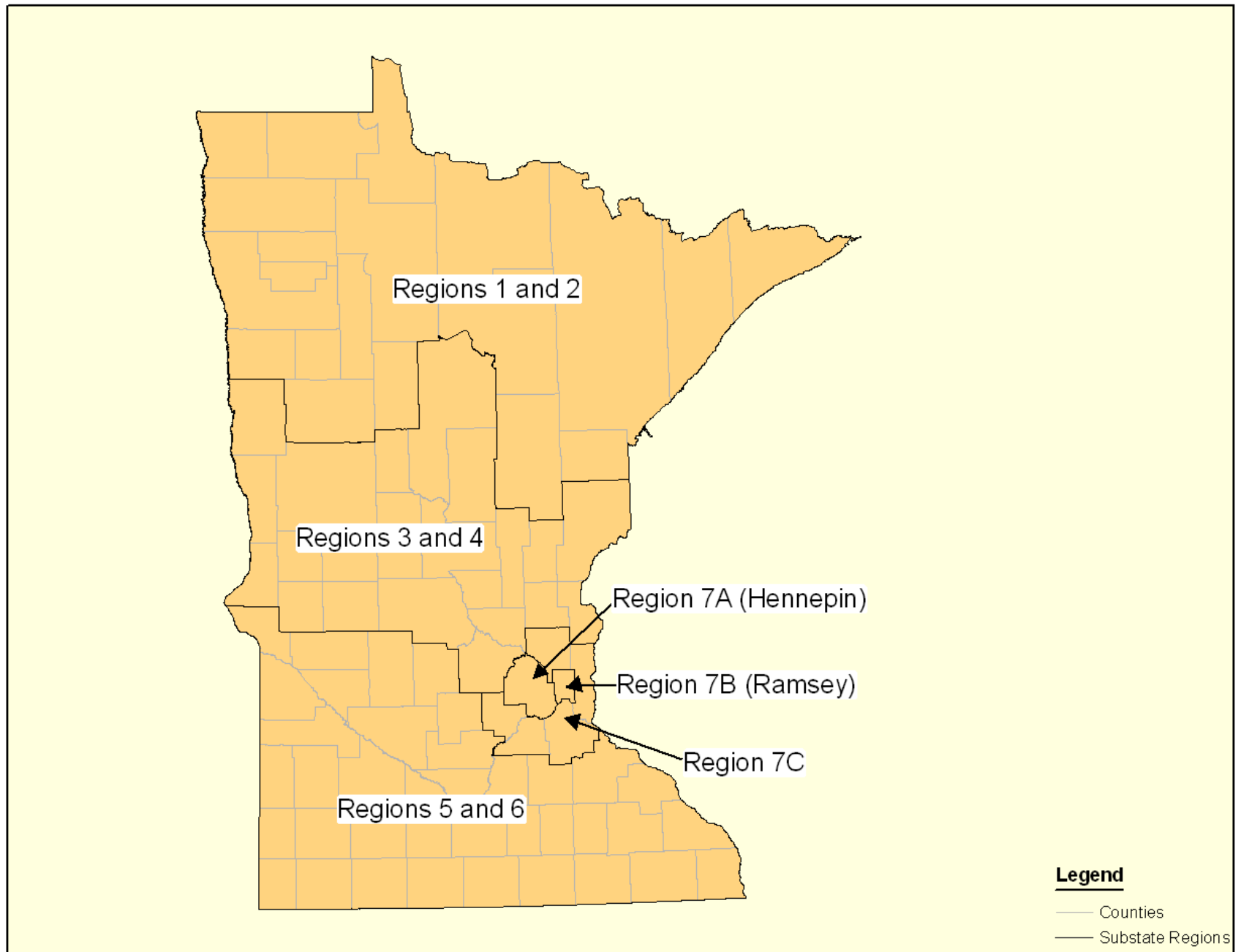


Table D24. MINNESOTA – Substate Regions (defined in terms of counties)

The Minnesota Department of Human Services specified two planning regions (metropolitan and nonmetropolitan) for the State's 87 counties. In an effort to provide substance use information for more substate areas, these two planning regions were subdivided into several substate regions, while still ensuring that the sample sizes would be adequate for estimation. Counties from the metropolitan region were not combined with any counties from the nonmetropolitan region to preserve the two original planning regions.

Regions 1 and 2		Regions 3 and 4		Regions 5 and 6		Region 7A (Hennepin)	Region 7B (Ramsey)	Region 7C
<u>Region 1</u>	<u>Region 2</u>	<u>Region 3</u>	<u>Region 4</u>	<u>Region 5</u>	<u>Region 6</u>	Hennepin	Ramsey	Anoka Carver Dakota Scott Washington
Becker	Aitkin	Cass	Benton	Big Stone	Dodge			
Beltrami	Carlton	Clay	Chisago	Blue Earth	Fillmore			
Clearwater	Cook	Crow Wing	Isanti	Brown	Freeborn			
Hubbard	Itasca	Douglas	Kanabec	Chippewa	Goodhue			
Kittson	Koochiching	Grant	Mille Lacs	Cottonwood	Houston			
Lake of the Woods	Lake	Otter Tail	Morrison	Faribault	Mower			
Mahnomen	St. Louis	Pope	Pine	Jackson	Olmsted			
Marshall		Stevens	Sherburne	Kandiyohi	Rice			
Norman		Todd	Stearns	Lac qui Parle	Steele			
Pennington		Traverse	Wright	Le Sueur	Wabasha			
Polk		Wadena		Lincoln	Winona			
Red Lake		Wilkin		Lyon				
Roseau				Martin				
				McLeod				
				Meeker				
				Murray				
				Nicollet				
				Nobles				
				Pipestone				
				Redwood				
				Renville				
				Rock				
				Sibley				
				Swift				
				Waseca				
				Watonwan				
				Yellow Medicine				

Figure D25. MISSISSIPPI – Substate Regions (defined in terms of counties)

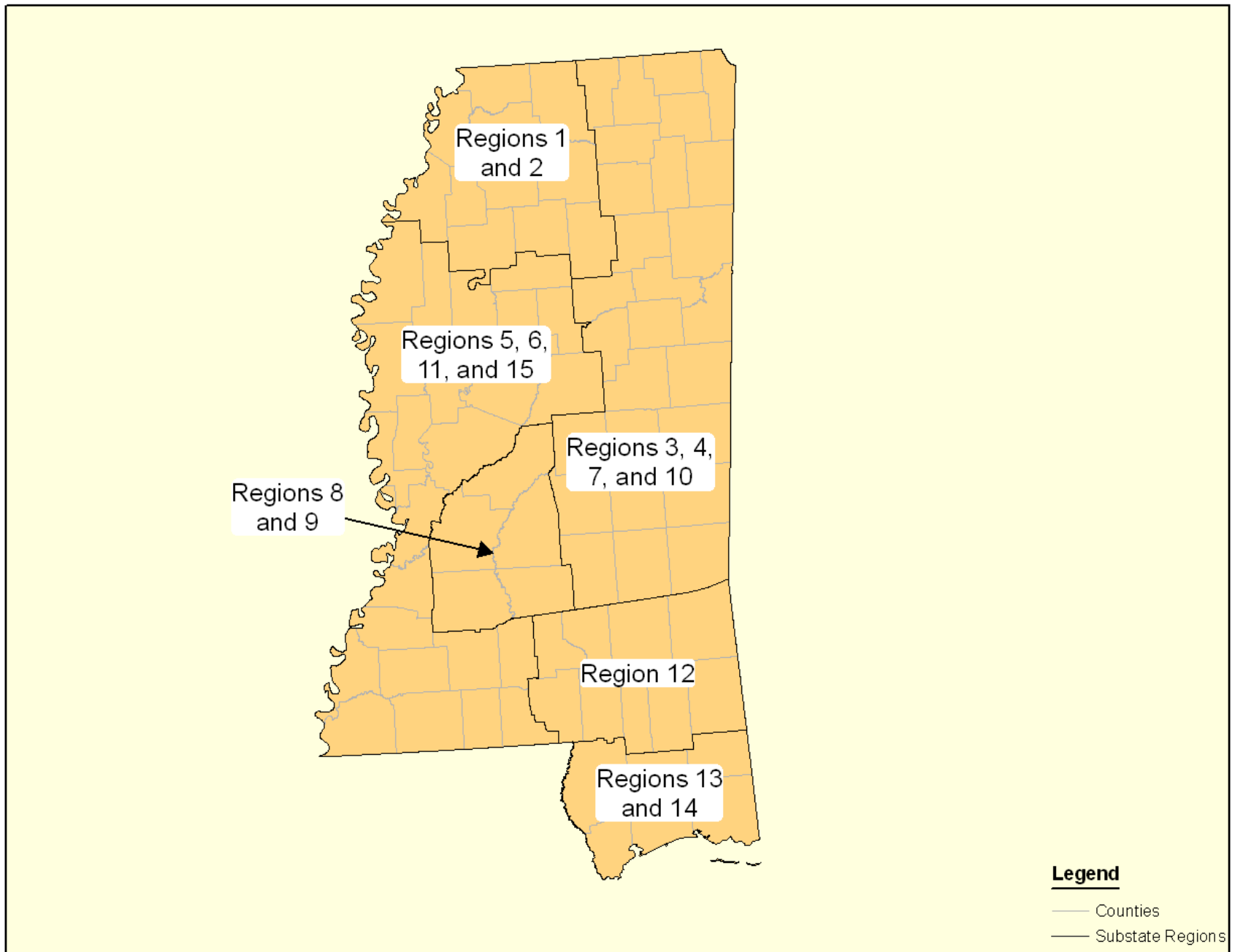
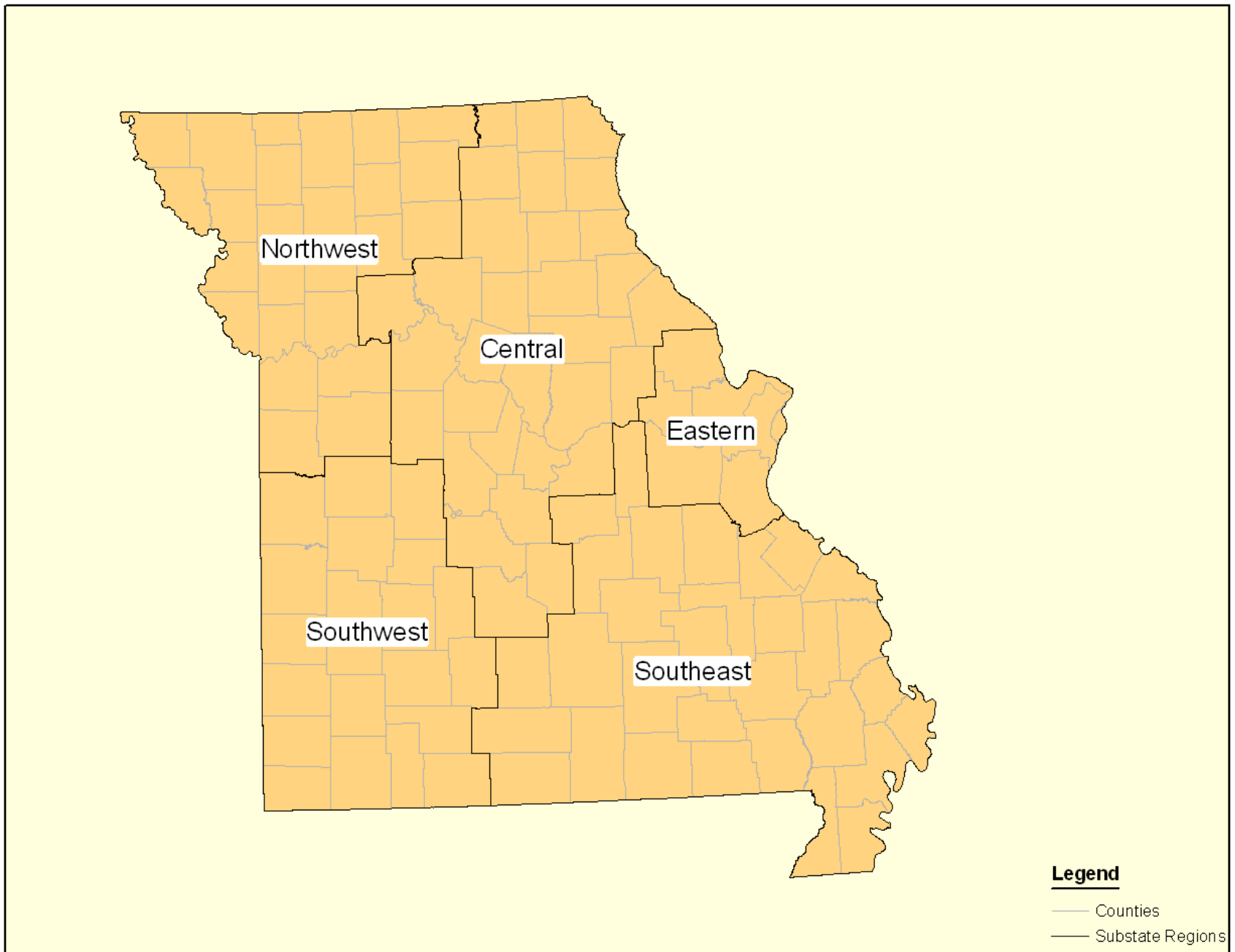


Table D25. MISSISSIPPI – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were provided by the State's Division of Alcohol and Drug Abuse, Mississippi Department of Mental Health, and are defined in terms of the State's 82 counties. Due to sample size constraints, certain planning areas were combined to form substate regions.</p>							
Regions 1 and 2	Regions 3, 4, 7, and 10		Region 5, 6, 11, and 15		Regions 8 and 9	Region 12	Regions 13 and 14
<u>Region 1</u> Coahoma Quitman Tallahatchie Tunica <u>Region 2</u> Calhoun De Soto Lafayette Marshall Panola Tate Yalobusha	<u>Region 3</u> Benton Chickasaw Itawamba Lee Monroe Pontotoc Union <u>Region 4</u> Alcorn Prentiss Tippah Tishomingo	<u>Region 7</u> Choctaw Clay Lowndes Noxubee Oktibbeha Webster Winston <u>Region 10</u> Clarke Jasper Kemper Lauderdale Leake Neshoba Newton Scott Smith	<u>Region 5</u> Bolivar Issaquena Sharkey Washington <u>Region 6</u> Attala Carroll Grenada Holmes Humphreys Leflore Montgomery Sunflower	<u>Region 11</u> Adams Amite Claiborne Franklin Jefferson Lawrence Lincoln Pike Walthall Wilkinson <u>Region 15</u> Warren Yazoo	<u>Region 8</u> Copiah Madison Rankin Simpson <u>Region 9</u> Hinds	Covington Forrest Greene Jefferson Davis Jones Lamar Marion Perry Wayne	<u>Region 13</u> Hancock Harrison Pearl River Stone <u>Region 14</u> George Jackson

Figure D26. MISSOURI – Substate Regions (defined in terms of counties)



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Table D26. MISSOURI – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the Missouri Department of Mental Health and are defined in terms of the State's 114 counties and St. Louis City.						
Central		Eastern	Northwest	Southeast		Southwest
Adair	Ralls	Franklin	Andrew	Bollinger	Ste. Genevieve	Barry
Audrain	Randolph	Jefferson	Atchison	Butler	Stoddard	Barton
Boone	Saline	Lincoln	Buchanan	Cape Girardeau	Texas	Bates
Callaway	Schuyler	St. Charles	Caldwell	Carter	Washington	Benton
Camden	Scotland	St. Louis	Cass	Crawford	Wayne	Cedar
Carroll	Shelby	St. Louis City	Clay	Dent	Wright	Christian
Chariton		Warren	Clinton	Douglas		Dade
Clark			Daviess	Dunklin		Dallas
Cole			De Kalb	Gasconade		Greene
Cooper			Gentry	Howell		Henry
Howard			Grundy	Iron		Hickory
Knox			Harrison	Madison		Jasper
Laclede			Holt	Maries		Lawrence
Lewis			Jackson	Mississippi		McDonald
Macon			Johnson	New Madrid		Newton
Marion			Lafayette	Oregon		Polk
Miller			Linn	Ozark		St. Clair
Moniteau			Livingston	Pemiscot		Stone
Monroe			Mercer	Perry		Taney
Montgomery			Nodaway	Phelps		Vernon
Morgan			Platte	Reynolds		Webster
Osage			Putnam	Ripley		
Pettis			Ray	Scott		
Pike			Sullivan	Shannon		
Pulaski			Worth	St. Francois		

Figure D27. MONTANA – Substate Regions (defined in terms of counties)

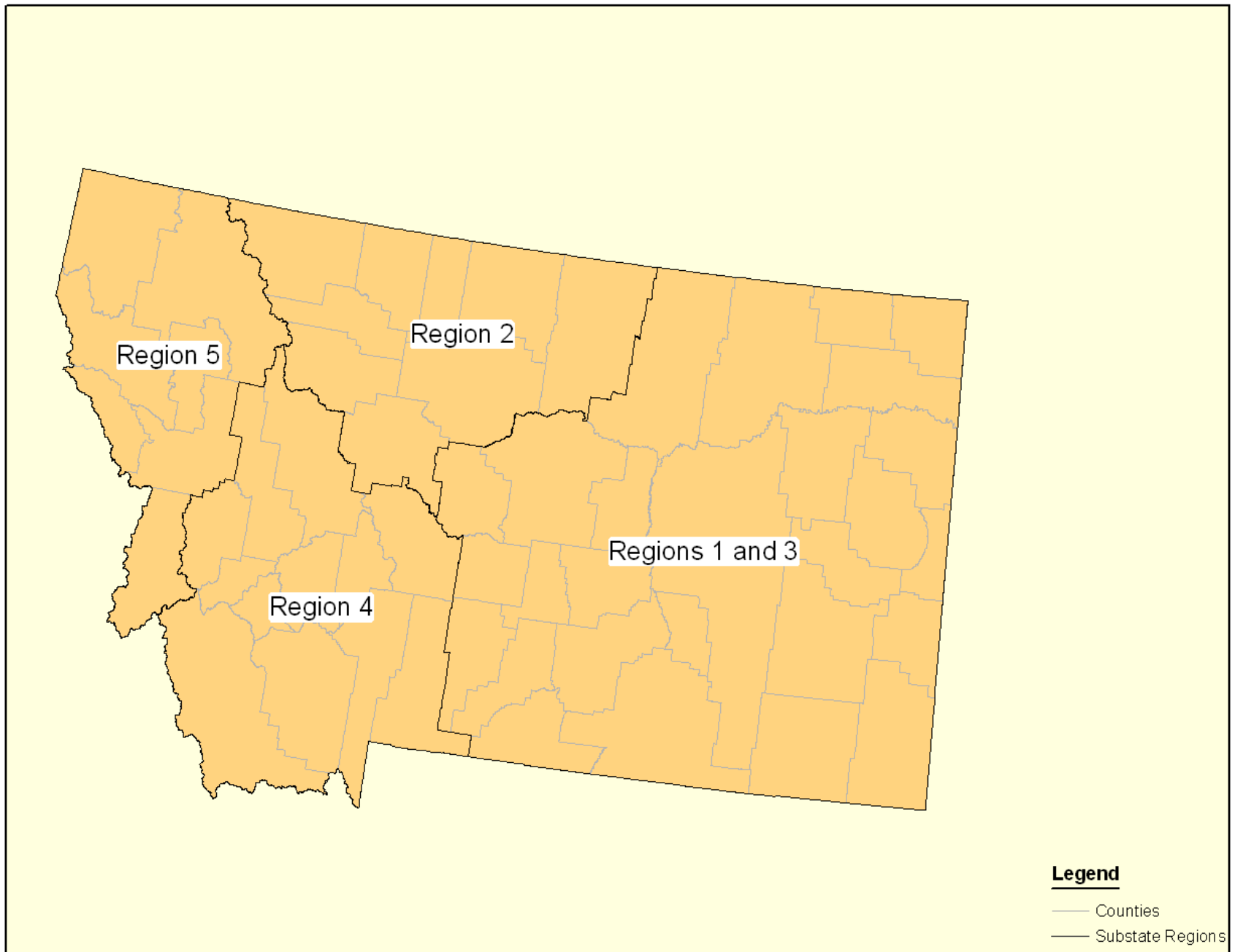
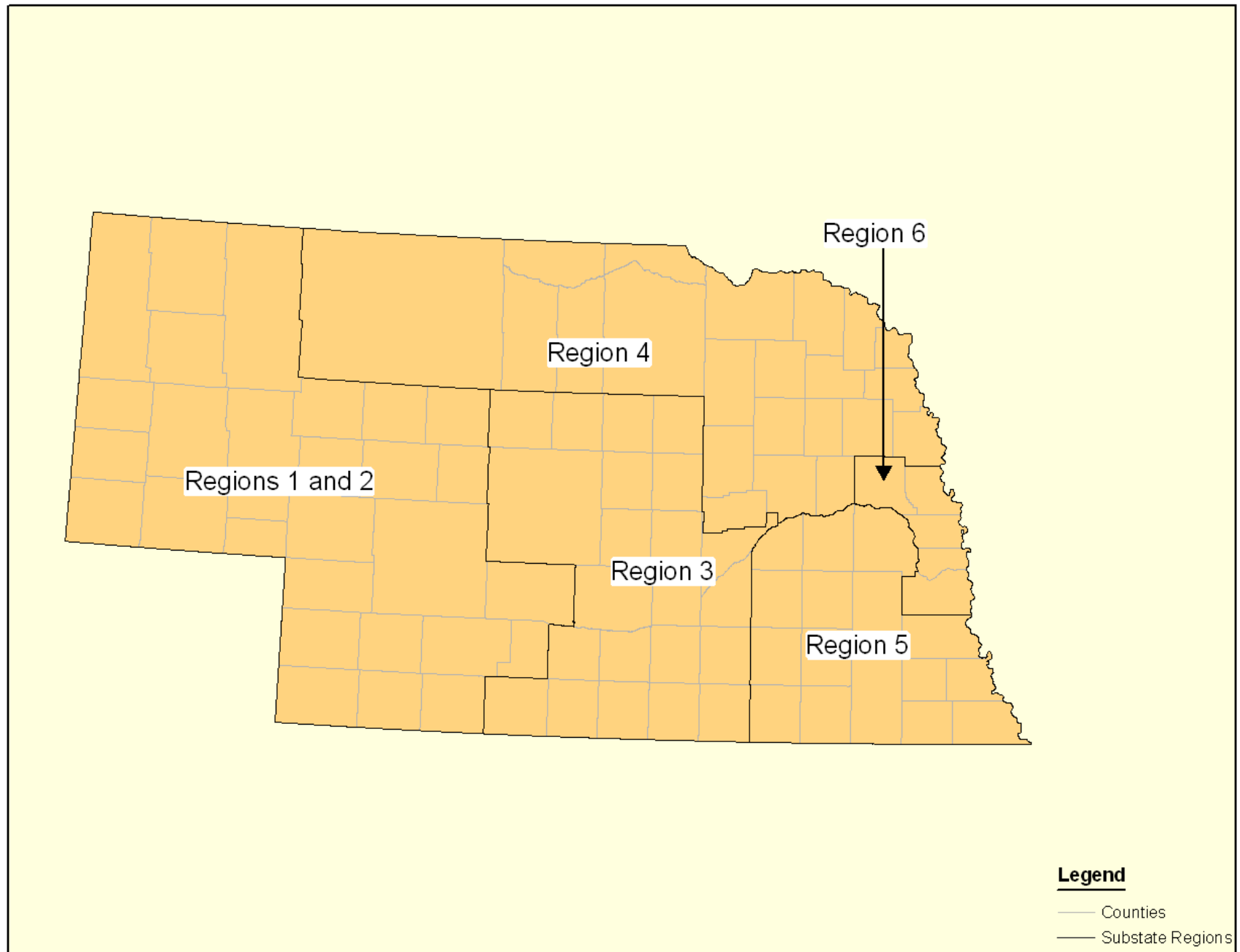


Table D27. MONTANA – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were provided by the Chemical Dependency Bureau of the Montana Department of Health and Human Services and are in terms of the State's 57 counties. Due to sample size constraints, certain planning areas were combined to form substate regions.</p>				
Regions 1 and 3		Region 2	Region 4	Region 5
<u>Region 1</u>	<u>Region 3</u>	Blaine	Beaverhead	Flathead
Carter	Big Horn	Cascade	Broadwater	Lake
Custer	Carbon	Chouteau	Deer Lodge	Lincoln
Daniels	Fergus	Glacier	Gallatin	Mineral
Dawson	Golden Valley	Hill	Granite	Missoula
Fallon	Judith Basin	Liberty	Jefferson	Ravalli
Garfield	Musselshell	Pondera	Lewis and Clark	Sanders
McCone	Petroleum	Teton	Madison	
Phillips	Stillwater	Toole	Meagher	
Powder River	Sweet Grass		Park	
Prairie	Wheatland		Powell	
Richland	Yellowstone		Silver Bow	
Roosevelt				
Rosebud				
Sheridan				
Treasure				
Valley				
Wibaux				

Figure D28. NEBRASKA – Substate Regions (defined in terms of counties)



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Table D28. NEBRASKA – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were provided by the State's Division of Mental Health, Substance Abuse and Addictions Services, Nebraska Department of Health and Human Services, and are defined in terms of the State's 93 counties. Due to sample size constraints, certain planning areas were combined to form substate regions.</p>					
Regions 1 and 2		Region 3	Region 4	Region 5	Region 6
<u>Region 1</u>	<u>Region 2</u>	Adams	Antelope	Butler	Cass
Banner	Arthur	Blaine	Boone	Fillmore	Dodge
Box Butte	Chase	Buffalo	Boyd	Gage	Douglas
Cheyenne	Dawson	Clay	Brown	Jefferson	Sarpy
Dawes	Dundy	Custer	Burt	Johnson	Washington
Deuel	Frontier	Franklin	Cedar	Lancaster	
Garden	Gosper	Furnas	Cherry	Nemaha	
Kimball	Grant	Garfield	Colfax	Otoe	
Morrill	Hayes	Greeley	Cuming	Pawnee	
Scotts Bluff	Hitchcock	Hall	Dakota	Polk	
Sheridan	Hooker	Hamilton	Dixon	Richardson	
Sioux	Keith	Harlan	Holt	Saline	
	Lincoln	Howard	Keya Paha	Saunders	
	Logan	Kearney	Knox	Seward	
	McPherson	Loup	Madison	Thayer	
	Perkins	Merrick	Nance	York	
	Red Willow	Nuckolls	Pierce		
	Thomas	Phelps	Platte		
		Sherman	Rock		
		Valley	Stanton		
		Webster	Thurston		
		Wheeler	Wayne		

Figure D29. NEVADA – Substate Regions (defined in terms of counties)

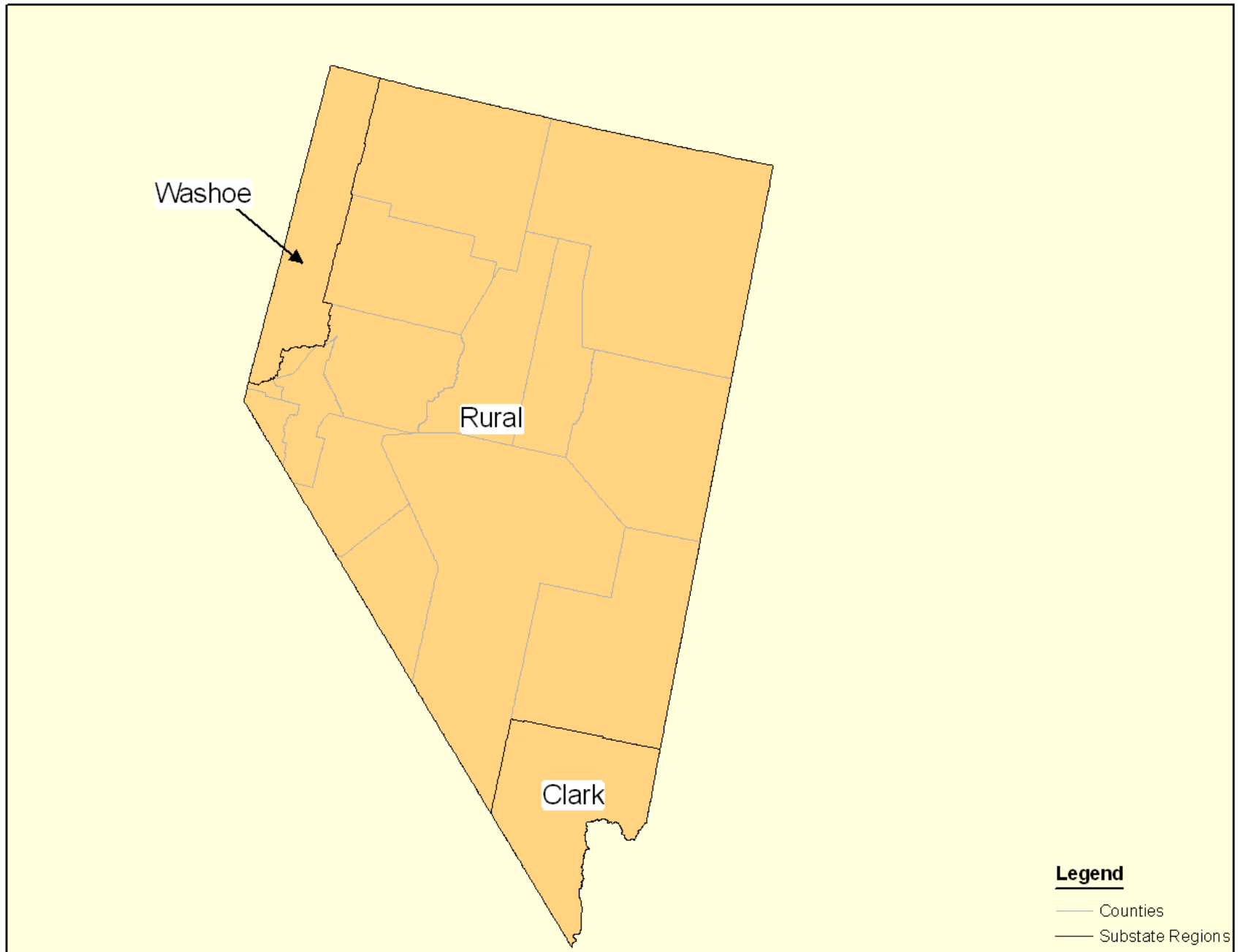
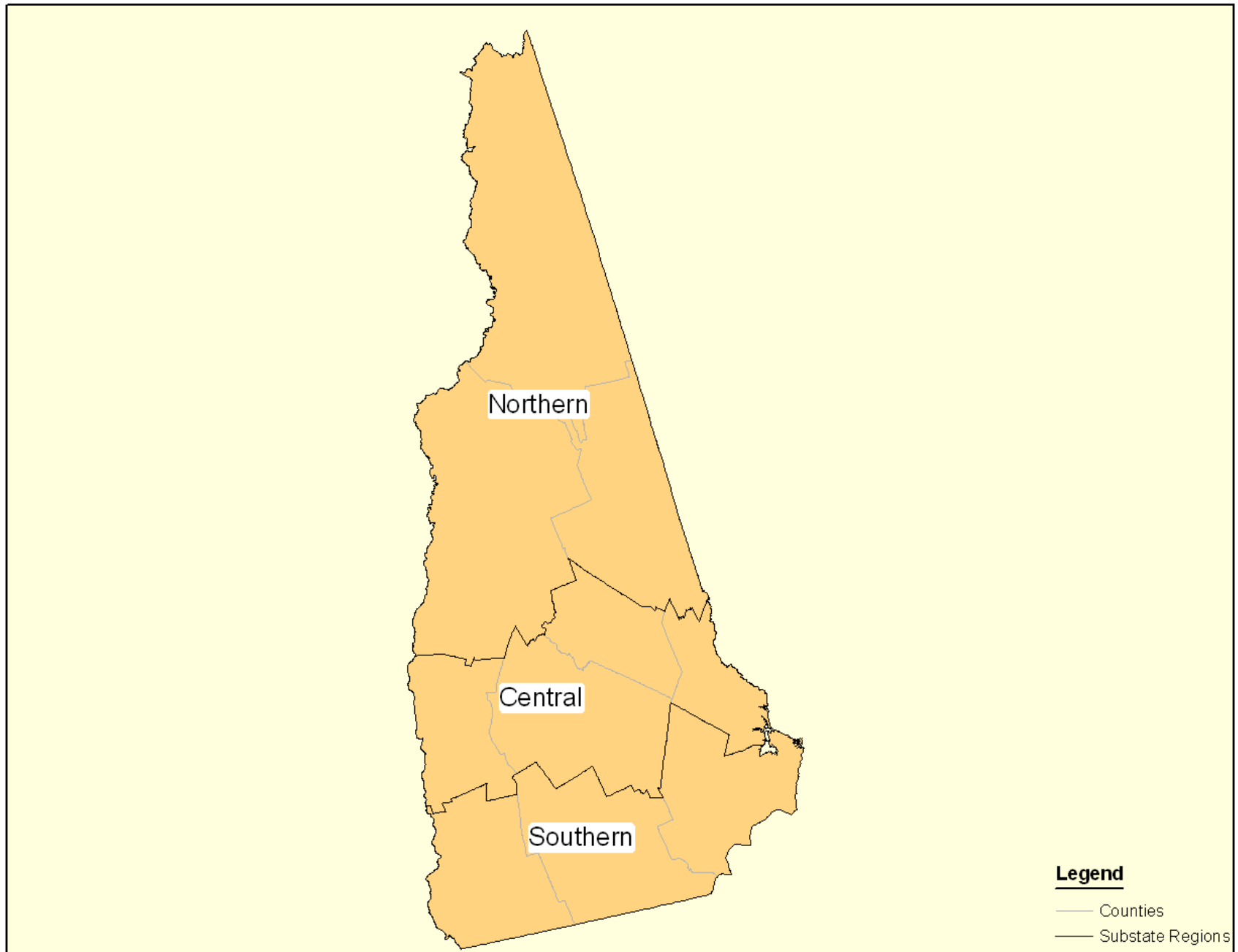


Table D29. NEVADA – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were provided by the State's Bureau of Alcohol and Drug Abuse, Health Division, Nevada Department of Human Resources and are defined in terms of the State's 16 counties and Carson City.</p>		
Clark	Rural	Washoe
Clark	Carson City Churchill Douglas Elko Esmeralda Eureka Humboldt Lander Lincoln Lyon Mineral Nye Pershing Storey White Pine	Washoe

Figure D30. NEW HAMPSHIRE – Substate Regions (defined in terms of counties)



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Table D30. NEW HAMPSHIRE – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the New Hampshire Division of Public Health Service, and are defined in terms of the State's 10 counties.		
Central	Northern	Southern
Belknap Merrimack Strafford Sullivan	Carroll Coos Grafton	Cheshire Hillsborough Rockingham

Figure D31. NEW JERSEY – Substate Regions (defined in terms of counties)

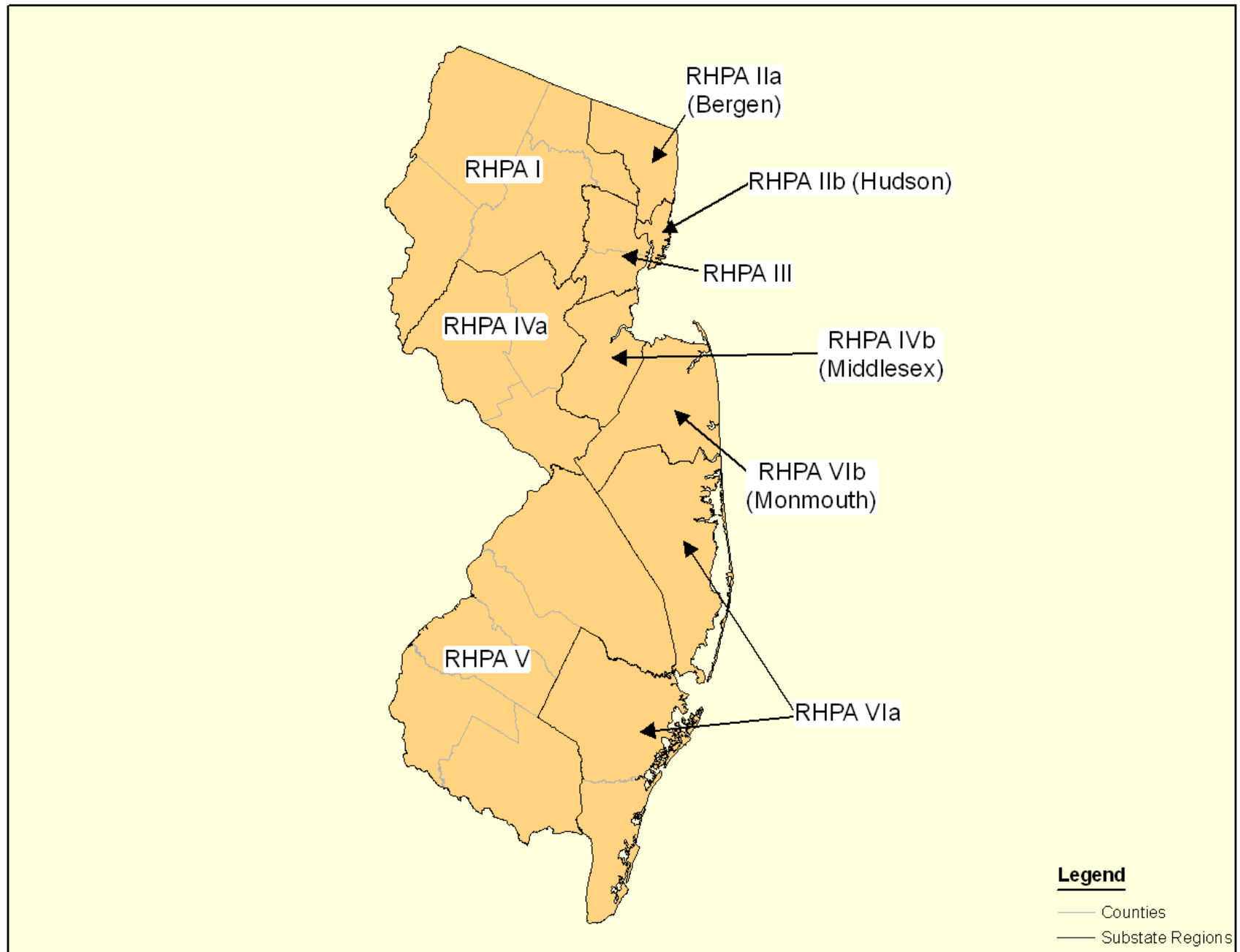


Table D31. NEW JERSEY – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the New Jersey Department of Human Services and Senior Services and are defined in terms of the State's 21 counties.								
RHPA I	RHPA IIa (Bergen)	RHPA IIb (Hudson)	RHPA III	RHPA IVa	RHPA IVb (Middlesex)	RHPA V	RHPA VIa	RHPA VIb (Monmouth)
Morris Passaic Sussex Warren	Bergen	Hudson	Essex Union	Hunterdon Mercer Somerset	Middlesex	Burlington Camden Cumberland Gloucester Salem	Atlantic Cape May Ocean	Monmouth

Figure D32. NEW MEXICO – Substate Regions (defined in terms of counties)

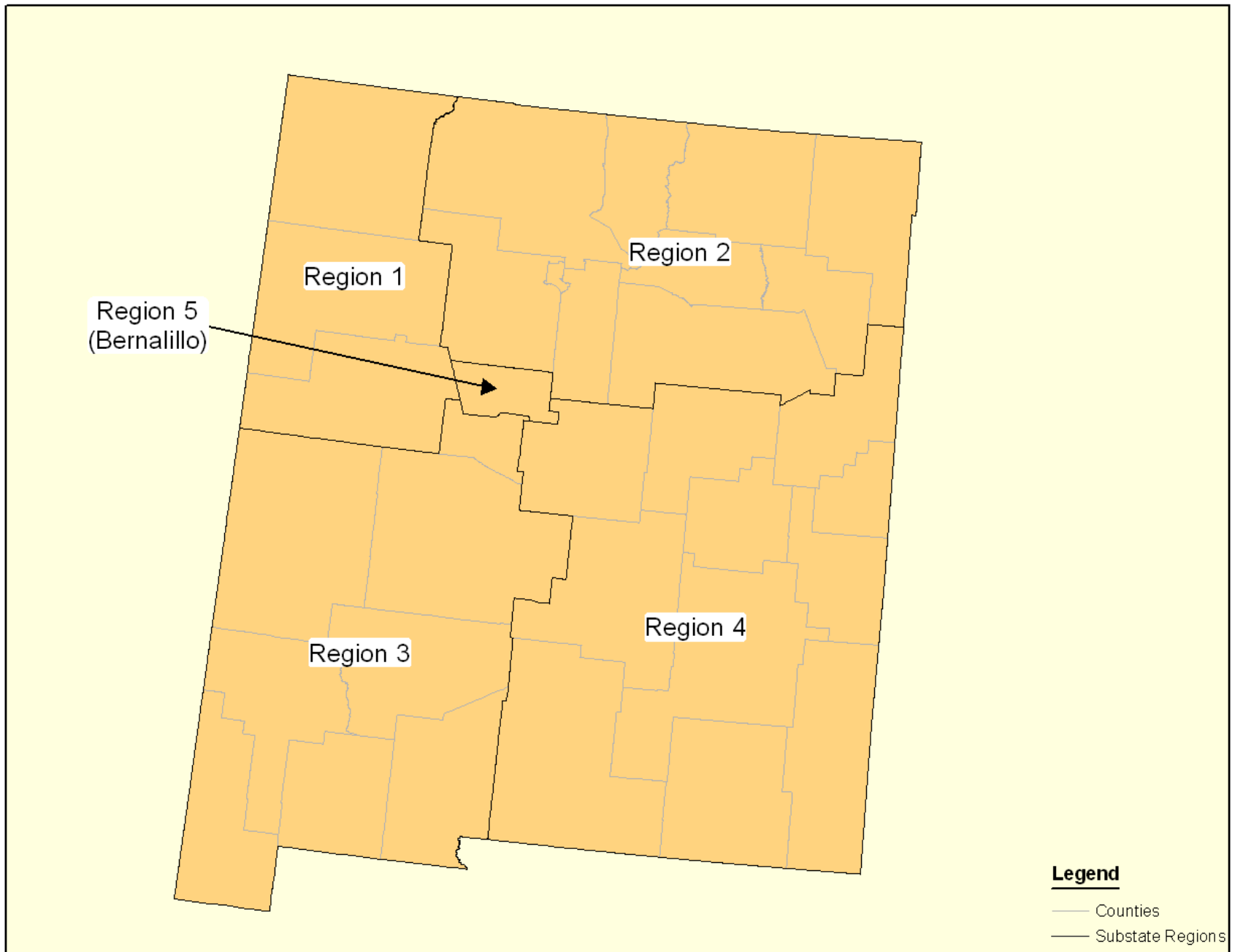


Table D32. NEW MEXICO – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the New Mexico Department of Health and are defined in terms of the State's 33 counties.				
Region 1	Region 2	Region 3	Region 4	Region 5 (Bernalillo)
Cibola McKinley San Juan	Colfax Harding Los Alamos Mora Rio Arriba San Miguel Sandoval Santa Fe Taos Union	Catron Dona Ana Grant Hidalgo Luna Sierra Socorro Valencia	Chaves Curry De Baca Eddy Guadalupe Lea Lincoln Otero Quay Roosevelt Torrance	Bernalillo

Figure D33. NEW YORK – Substate Regions (defined in terms of counties)

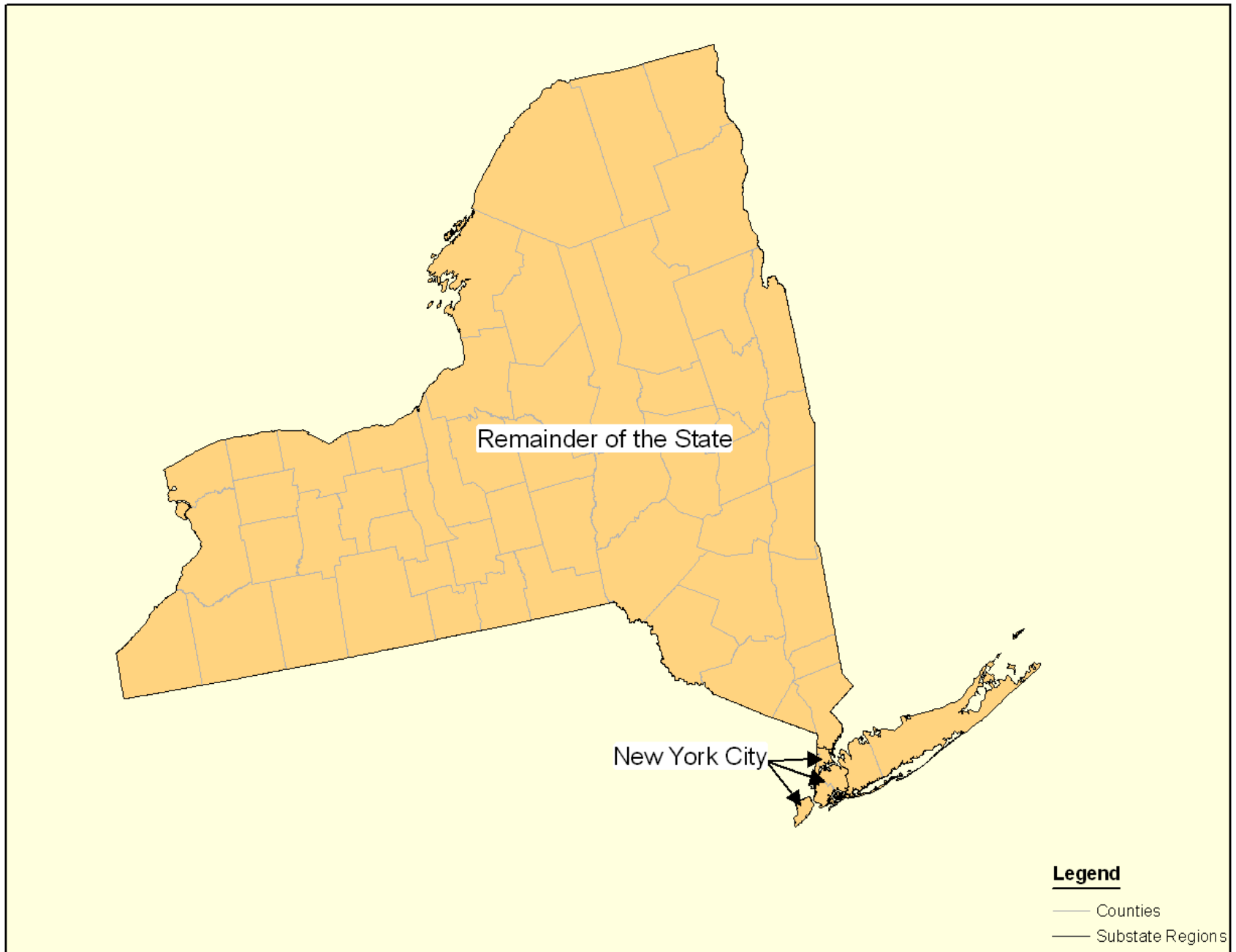
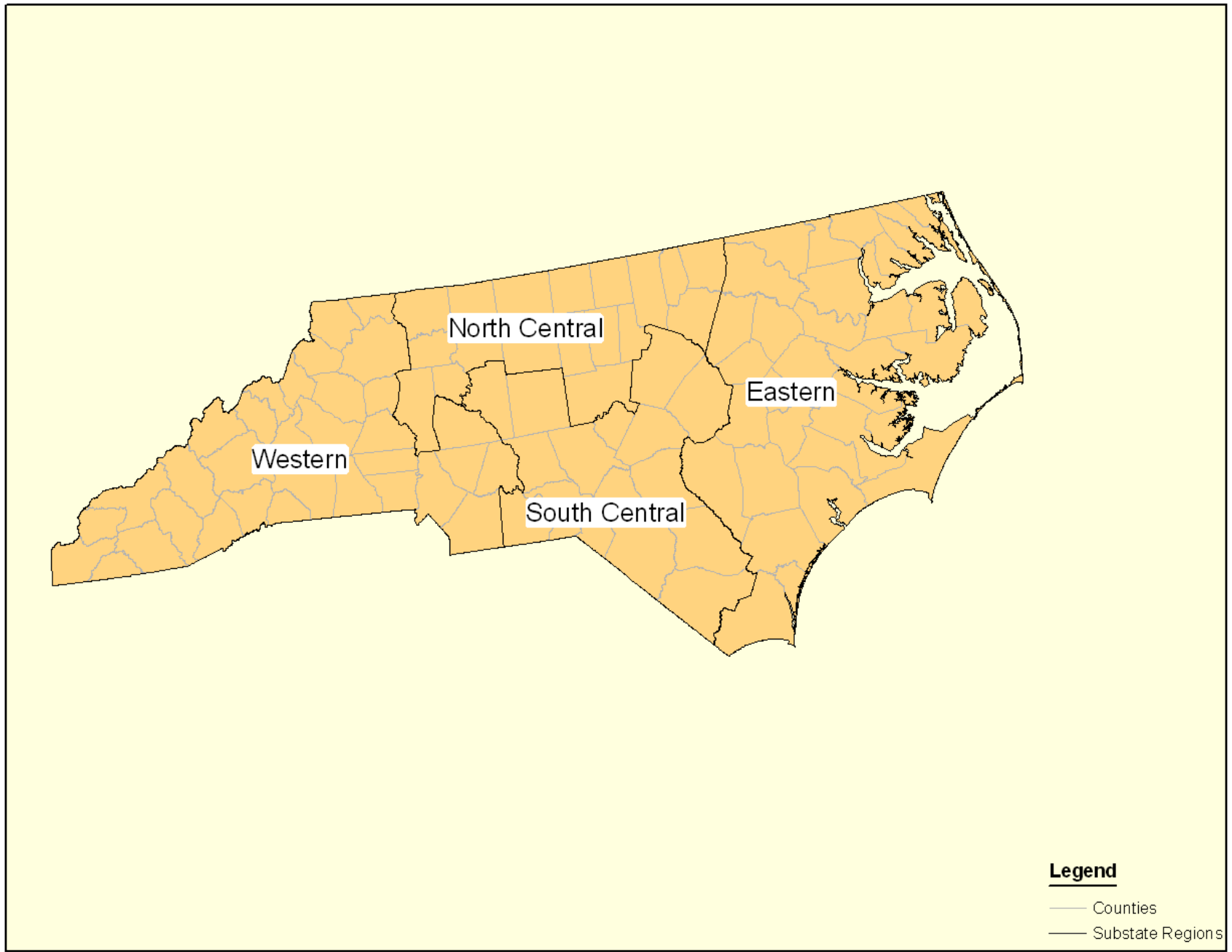


Table D33. NEW YORK – Substate Regions (defined in terms of counties)

<p>The New York State Office of Alcoholism and Substance Abuse Services specified two substate regions (New York City and Remainder of the State). Substance use information for more substate areas could be obtained using the substate regions found on the Office of Alcoholism and Substance Abuse Services website (see http://www.oasas.state.ny.us/pio/regdir.htm). However, at the preference of New York State, only two regions were used here for the State's 62 counties.</p>			
New York City	Remainder of State		
Bronx	Albany	Lewis	St. Lawrence
Kings	Allegany	Livingston	Steuben
New York	Broome	Madison	Suffolk
Queens	Cattaraugus	Monroe	Sullivan
Richmond	Cayuga	Montgomery	Tioga
	Chautauqua	Nassau	Tompkins
	Chemung	Niagara	Ulster
	Chenango	Oneida	Warren
	Clinton	Onondaga	Washington
	Columbia	Ontario	Wayne
	Cortland	Orange	Westchester
	Delaware	Orleans	Wyoming
	Dutchess	Oswego	Yates
	Erie	Otsego	
	Essex	Putnam	
	Franklin	Rensselaer	
	Fulton	Rockland	
	Genesee	Saratoga	
	Greene	Schenectady	
	Hamilton	Schoharie	
	Herkimer	Schuyler	
	Jefferson	Seneca	

Figure D34. NORTH CAROLINA – Substate Regions (defined in terms of counties)

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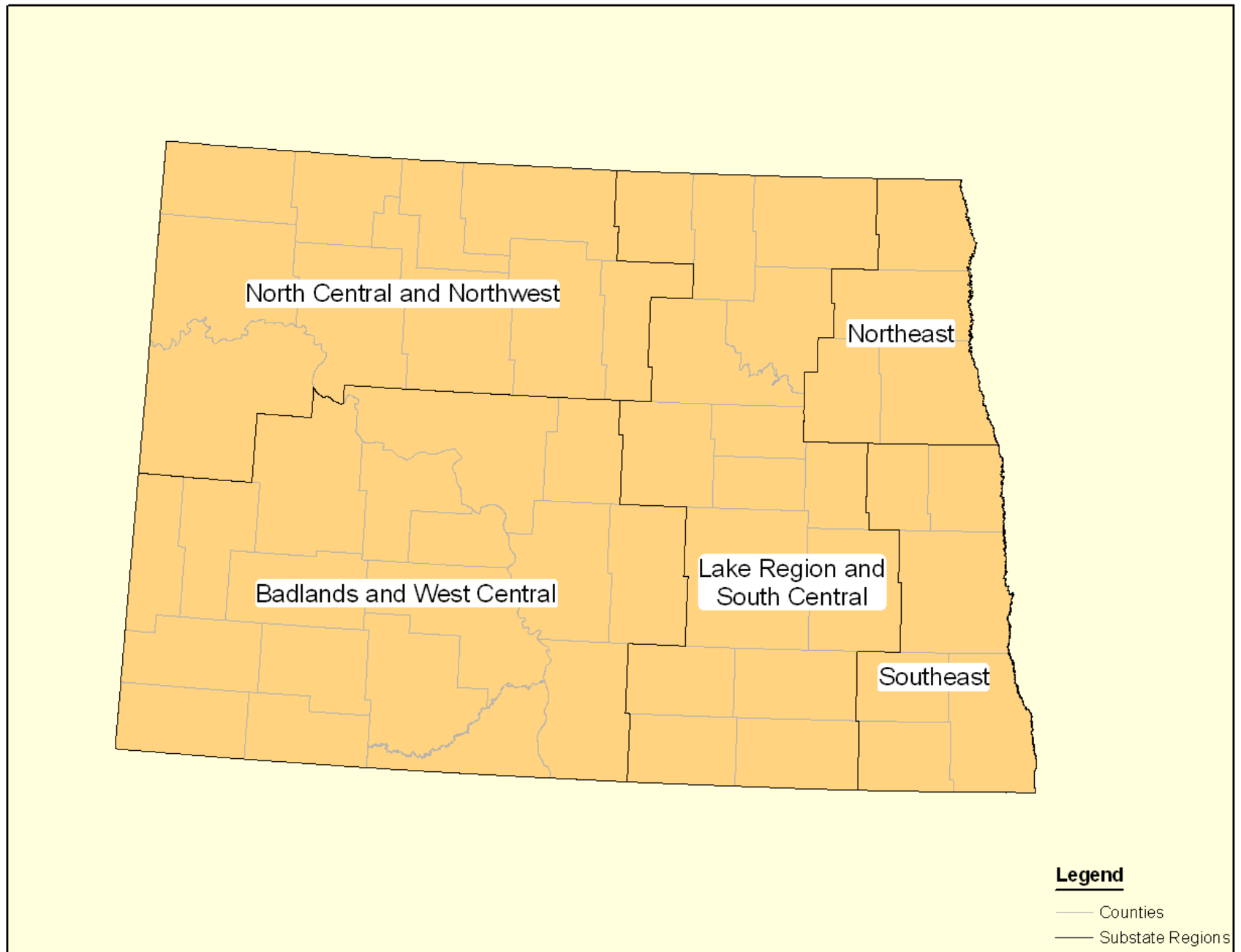
Legend

- Counties
- Substate Regions

Table D34. NORTH CAROLINA – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the North Carolina Division of Mental Health, Development Disabilities and Substance Abuse Services, Department of Health and Human Services, and are defined in terms of the State's 100 counties.					
Eastern		North Central	South Central	Western	
Beaufort	Pender	Alamance	Anson	Alexander	Rutherford
Bertie	Perquimans	Caswell	Bladen	Alleghany	Stanly
Brunswick	Pitt	Chatham	Columbus	Ashe	Swain
Camden	Sampson	Davie	Cumberland	Avery	Transylvania
Carteret	Tyrrell	Durham	Davidson	Buncombe	Union
Chowan	Washington	Forsyth	Harnett	Burke	Watauga
Craven	Wayne	Franklin	Hoke	Cabarrus	Wilkes
Currituck	Wilson	Granville	Johnston	Caldwell	Yancey
Dare		Guilford	Lee	Catawba	
Duplin		Iredell	Montgomery	Cherokee	
Edgecombe		Orange	Moore	Clay	
Gates		Person	Randolph	Cleveland	
Greene		Rockingham	Richmond	Gaston	
Halifax		Stokes	Robeson	Graham	
Hertford		Surry	Scotland	Haywood	
Hyde		Vance	Wake	Henderson	
Jones		Warren		Jackson	
Lenoir		Yadkin		Lincoln	
Martin				Macon	
Nash				Madison	
New Hanover				McDowell	
Northampton				Mecklenburg	
Onslow				Mitchell	
Pamlico				Polk	
Pasquotank				Rowan	

Figure D35. NORTH DAKOTA – Substate Regions (defined in terms of counties)



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Table D35. NORTH DAKOTA – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were provided by the State's Division of Mental Health and Substance Abuse Services, North Dakota Department of Human Services, and are defined in terms of the State's 53 counties. Due to sample size constraints, certain planning areas were combined to form substate regions.</p>							
Badlands and West Central		Lake Region and South Central		North Central and Northwest		Northeast	Southeast
<u>Badlands</u>	<u>West Central</u>	<u>Lake</u>	<u>South Central</u>	<u>North Central</u>	<u>Northwest</u>	Grand Forks	Cass
Adams	Burleigh	Benson	Barnes	Bottineau	Divide	Nelson	Ransom
Billings	Emmons	Cavalier	Dickey	Burke	McKenzie	Pembina	Richland
Bowman	Grant	Eddy	Foster	McHenry	Williams	Walsh	Sargent
Dunn	Kidder	Ramsey	Griggs	Mountrail			Steele
Golden Valley	McLean	Rolette	La Moure	Pierce			Traill
Hettinger	Mercer	Towner	Logan	Renville			
Slope	Morton		McIntosh	Ward			
Stark	Oliver		Stutsman				
	Sheridan		Wells				
	Sioux						

Figure D36. OHIO – Substate Regions (defined in terms of counties)

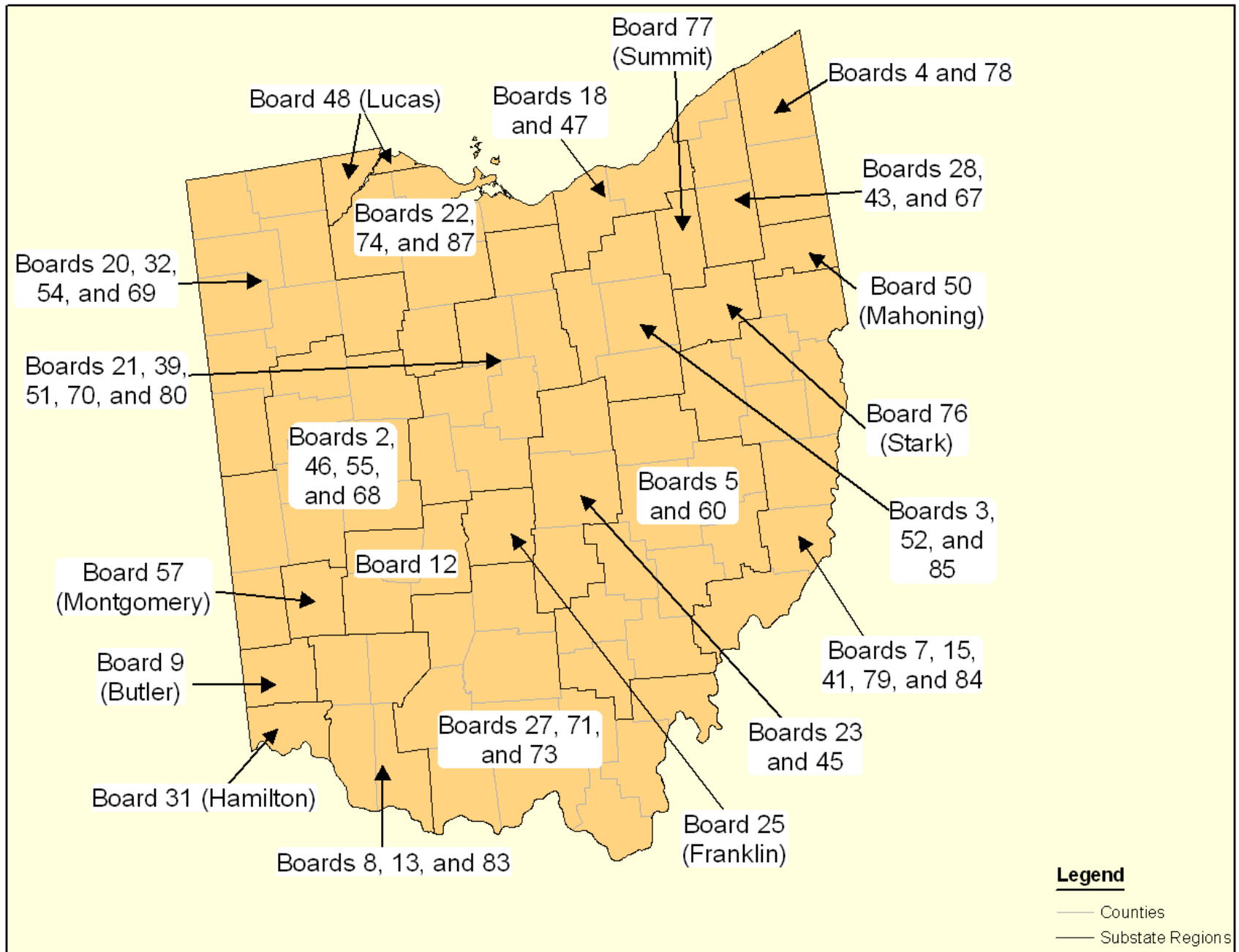


Table D36. OHIO – Substate Regions (defined in terms of counties)

The Ohio Department of Alcohol and Drug Addiction Services suggested that it would be useful to provide substance use estimates for Ohio boards, which in turn are defined using the State's 88 counties. Due to sample size constraints, adjacent boards were combined to form substate regions. Urban and rural counties were never collapsed together to form substate regions.

Boards 2, 46, 55, and 68	Boards 3, 52, and 85	Boards 4 and 78	Boards 5 and 60	Boards 7, 15, 41, 79, and 84	Boards 8, 13, and 83	Board 9 (Butler)	Board 12
<u>Board 2</u> Allen Auglaize Hardin <u>Board 46</u> Champaign Logan <u>Board 55</u> Darke Miami Shelby <u>Board 68</u> Preble	<u>Board 3</u> Ashland <u>Board 52</u> Medina <u>Board 85</u> Holmes Wayne	<u>Board 4</u> Ashtabula <u>Board 78</u> Trumbull	<u>Board 5</u> Athens Hocking Vinton <u>Board 60</u> Coshocton Guernsey Morgan Muskingum Noble Perry	<u>Board 7</u> Belmont Harrison Monroe <u>Board 15</u> Columbiana <u>Board 41</u> Jefferson <u>Board 79</u> Carroll Tuscarawas <u>Board 84</u> Washington	<u>Board 8</u> Brown <u>Board 13</u> Clermont <u>Board 83</u> Clinton Warren	Butler	Clark Greene Madison

(continued)

Table D36. OHIO – Substate Regions (defined in terms of counties) (continued)

Boards 18 and 47	Boards 20, 32, 54, and 69	Boards 21, 39, 51, 70, and 80	Boards 22, 74 and 87	Boards 23 and 45	Board 25 (Franklin)	Boards 27, 71, and 73	Boards 28, 43, and 67
Board 18 Cuyahoga	Board 20 Defiance Fulton	Board 21 Delaware Morrow	Board 22 Erie Ottawa	Board 23 Fairfield	Franklin	Board 27 Gallia Jackson Meigs	Board 28 Geauga
Board 47 Lorain	Henry Williams	Board 39 Huron	Board 74 Sandusky Seneca Wyandot	Board 45 Knox Licking		Board 71 Fayette Highland Pickaway Pike Ross	Board 43 Lake
	Board 32 Hancock	Board 51 Crawford Marion	Board 87 Wood			Board 73 Adams Lawrence Scioto	Board 67 Portage
	Board 54 Mercer Paulding Van Wert	Board 70 Richland					
	Board 69 Putnam	Board 80 Union					
Board 31 (Hamilton)	Board 48 (Lucas)	Board 50 (Mahoning)	Board 57 (Montgomery)	Board 76 (Stark)	Board 77 (Summit)		
Hamilton	Lucas	Mahoning	Montgomery	Stark	Summit		

Figure D37. OKLAHOMA – Substate Regions (defined in terms of counties)

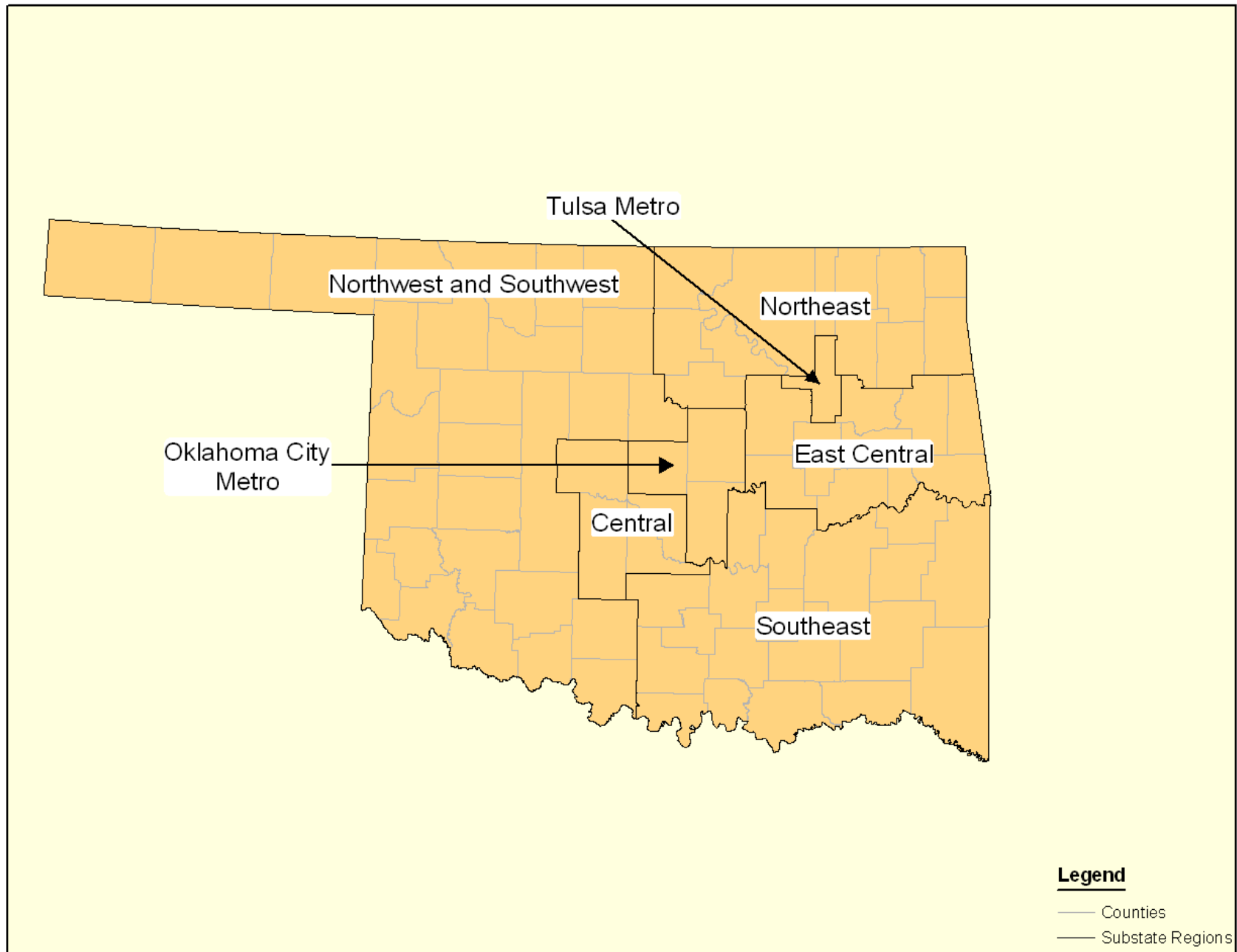


Table D37. OKLAHOMA – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the State's Substance Abuse Services, Oklahoma Department of Mental Health and Substance Abuse Services, and are defined in terms of the State's 77 counties. Due to sample size constraints, certain planning areas were combined to form substate regions.

Central	East Central	Northeast	Northwest and Southwest		Oklahoma City Metro	Southeast	Tulsa Metro
Canadian Cleveland Grady McClain	Adair Cherokee Creek McIntosh Muskogee Okfuskee Okmulgee Sequoyah Wagoner	Craig Delaware Kay Mayes Noble Nowata Osage Ottawa Pawnee Payne Rogers Washington	<u>Northwest</u> Alfalfa Beaver Cimarron Ellis Garfield Grant Harper Kingfisher Logan Major Texas Woods Woodward	<u>Southwest</u> Beckham Blaine Caddo Comanche Cotton Custer Dewey Greer Harmon Jackson Jefferson Kiowa Roger Mills Stephens Tillman Washita	Lincoln Oklahoma Pottawatomie	Atoka Bryan Carter Choctaw Coal Garvin Haskell Hughes Johnston Latimer Le Flore Love Marshall McCurtain Murray Pittsburg Pontotoc Pushmataha Seminole	Tulsa

Figure D38. OREGON – Substate Regions (defined in terms of counties)

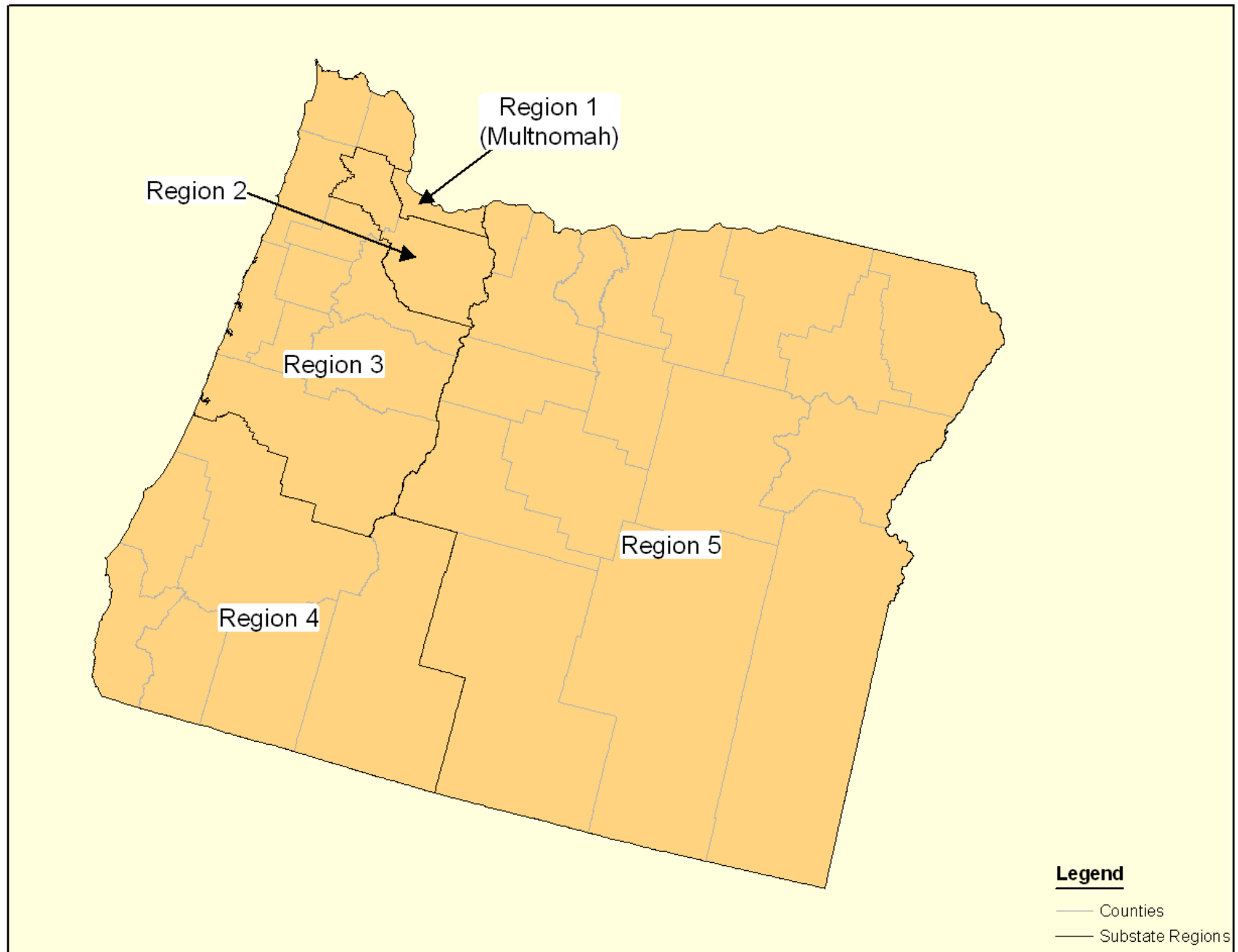


Table D38. OREGON – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the State's Department of Human Services and are defined in terms of the State's 36 counties.				
Region 1 (Multnomah)	Region 2	Region 3	Region 4	Region 5
Multnomah	Clackamas Washington	Benton Clatsop Columbia Lane Lincoln Linn Marion Polk Tillamook Yamhill	Coos Curry Douglas Jackson Josephine Klamath	Baker Crook Deschutes Gilliam Grant Harney Hood River Jefferson Lake Malheur Morrow Sherman Umatilla Union Wallowa Wasco Wheeler

Figure D39. PENNSYLVANIA – Substate Regions (defined in terms of counties)

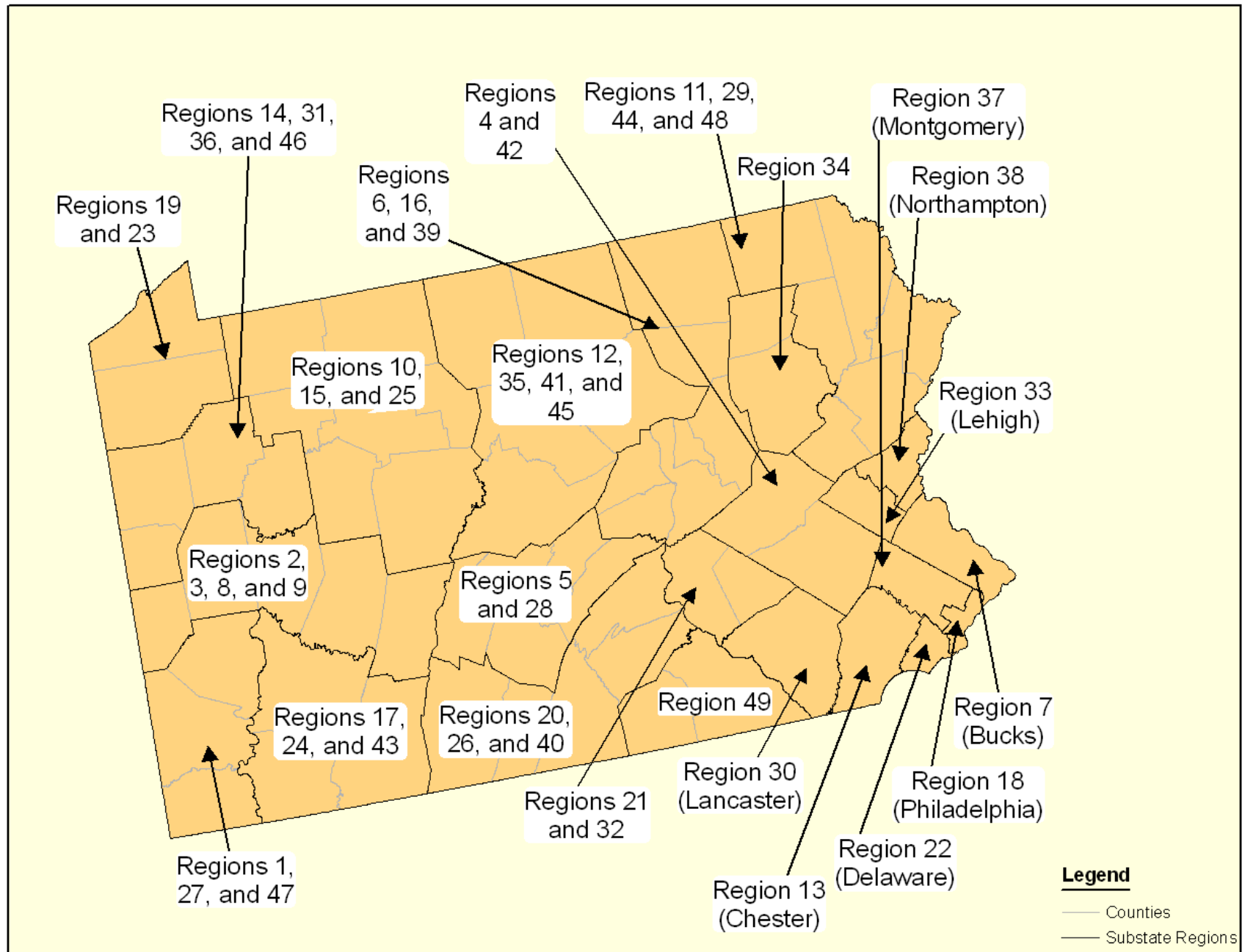


Table D39. PENNSYLVANIA – Substate Regions (defined in terms of counties)

<p>The State's Bureau of Drug & Alcohol Programs, Pennsylvania Department of Health, defined planning areas in terms of single county authorities. In order to meet sample size requirements, these planning areas had to be combined with other areas to form substate regions within the State's 67 counties.</p>					
Regions 1, 27, and 47	Regions 2, 3, 8, and 9	Regions 4 and 42	Regions 5 and 28	Regions 6, 16, and 39	Region 7 (Bucks)
<u>Region 1</u> Allegheny <u>Region 27</u> Greene <u>Region 47</u> Washington	<u>Region 2</u> Armstrong Indiana <u>Region 3</u> Beaver <u>Region 8</u> Butler <u>Region 9</u> Cambria	<u>Region 4</u> Berks <u>Region 42</u> Schuylkill	<u>Region 5</u> Blair <u>Region 28</u> Huntingdon Juniata Mifflin	<u>Region 6</u> Bradford Sullivan <u>Region 16</u> Columbia Montour Snyder Union <u>Region 39</u> Northumberland	Bucks
Regions 10, 15, and 25	Regions 11, 29, 44, and 48	Regions 12, 35, 41, and 45	Region 13 (Chester)	Regions 14, 31, 36, and 46	Regions 17, 24, and 43
<u>Region 10</u> Cameron Elk McKean <u>Region 15</u> Clearfield Jefferson <u>Region 25</u> Forest Warren	<u>Region 11</u> Carbon Monroe Pike <u>Region 29</u> Lackawanna <u>Region 44</u> Susquehanna <u>Region 48</u> Wayne	<u>Region 12</u> Centre <u>Region 35</u> Clinton Lycoming <u>Region 41</u> Potter <u>Region 45</u> Tioga	Chester	<u>Region 14</u> Clarion <u>Region 31</u> Lawrence <u>Region 36</u> Mercer <u>Region 46</u> Venango	<u>Region 17</u> Westmoreland <u>Region 24</u> Fayette <u>Region 43</u> Somerset

(continued)

Table D39. PENNSYLVANIA – Substate Regions (defined in terms of counties) (continued)

Region 18 (Philadelphia)	Regions 19 and 23	Regions 20, 26, and 40	Regions 21 and 32	Region 22 (Delaware)	Region 30 (Lancaster)
Philadelphia	<u>Region 19</u> Crawford <u>Region 23</u> Erie	<u>Region 20</u> Cumberland Perry <u>Region 26</u> Franklin Fulton <u>Region 40</u> Bedford	<u>Region 21</u> Dauphin <u>Region 32</u> Lebanon	Delaware	Lancaster
Region 33 (Lehigh)	Region 34	Region 37 (Montgomery)	Region 38 (Northampton)	Region 49	
Lehigh	Luzerne Wyoming	Montgomery	Northampton	Adams York	

Figure D40. RHODE ISLAND – Substate Regions (defined in terms of counties)

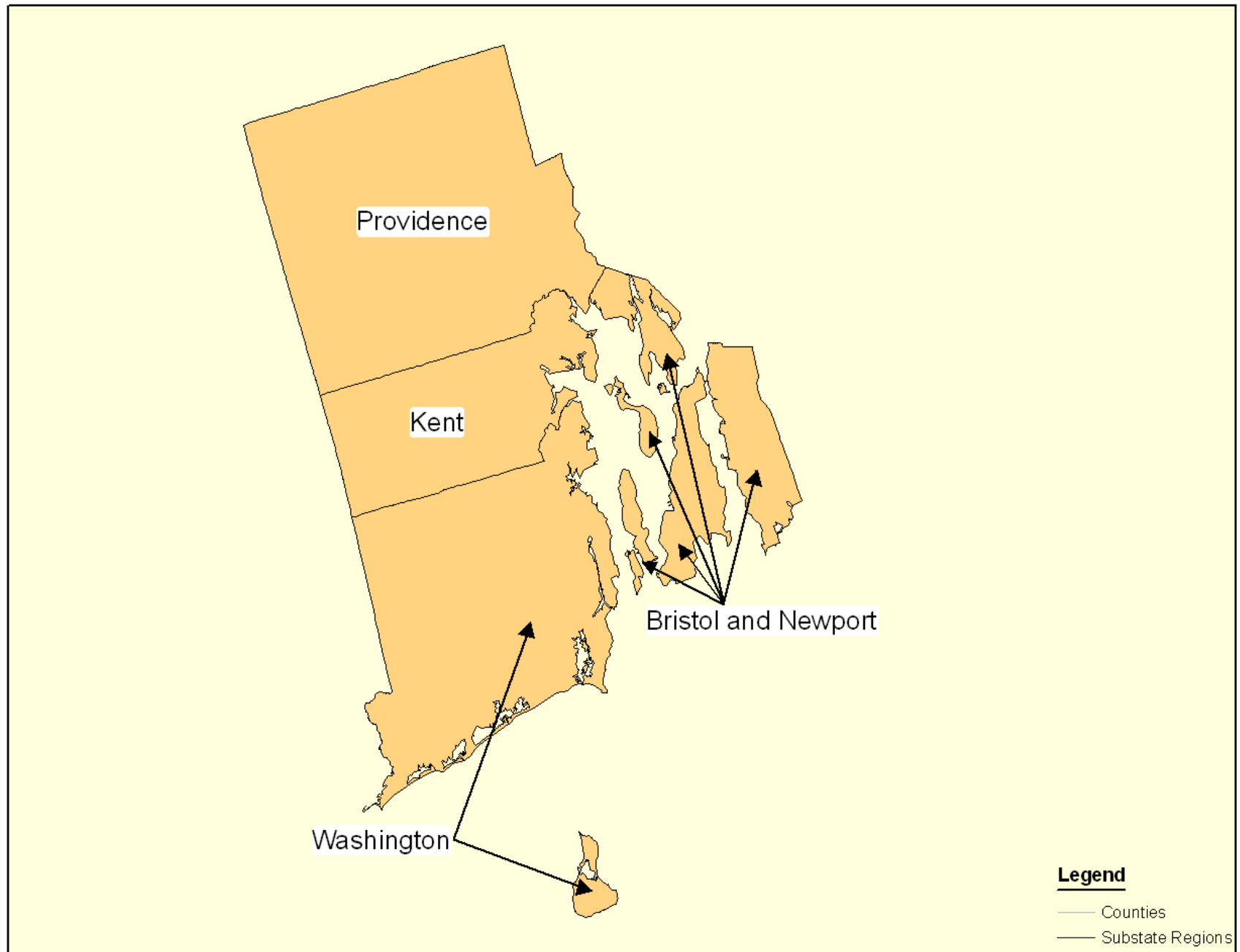


Table D40. RHODE ISLAND – Substate Regions (defined in terms of counties)

<p>The Rhode Island Department of Mental Health, Retardation and Hospitals indicated that Rhode Island is a single planning area. In an effort to provide substance use information for more substate areas, the State's five counties were used to define substate regions. Due to sample size constraints, certain counties were combined to form substate regions.</p>			
Bristol and Newport	Kent	Providence	Washington
Bristol Newport	Kent	Providence	Washington

Figure D41. SOUTH CAROLINA – Substate Regions (defined in terms of counties)

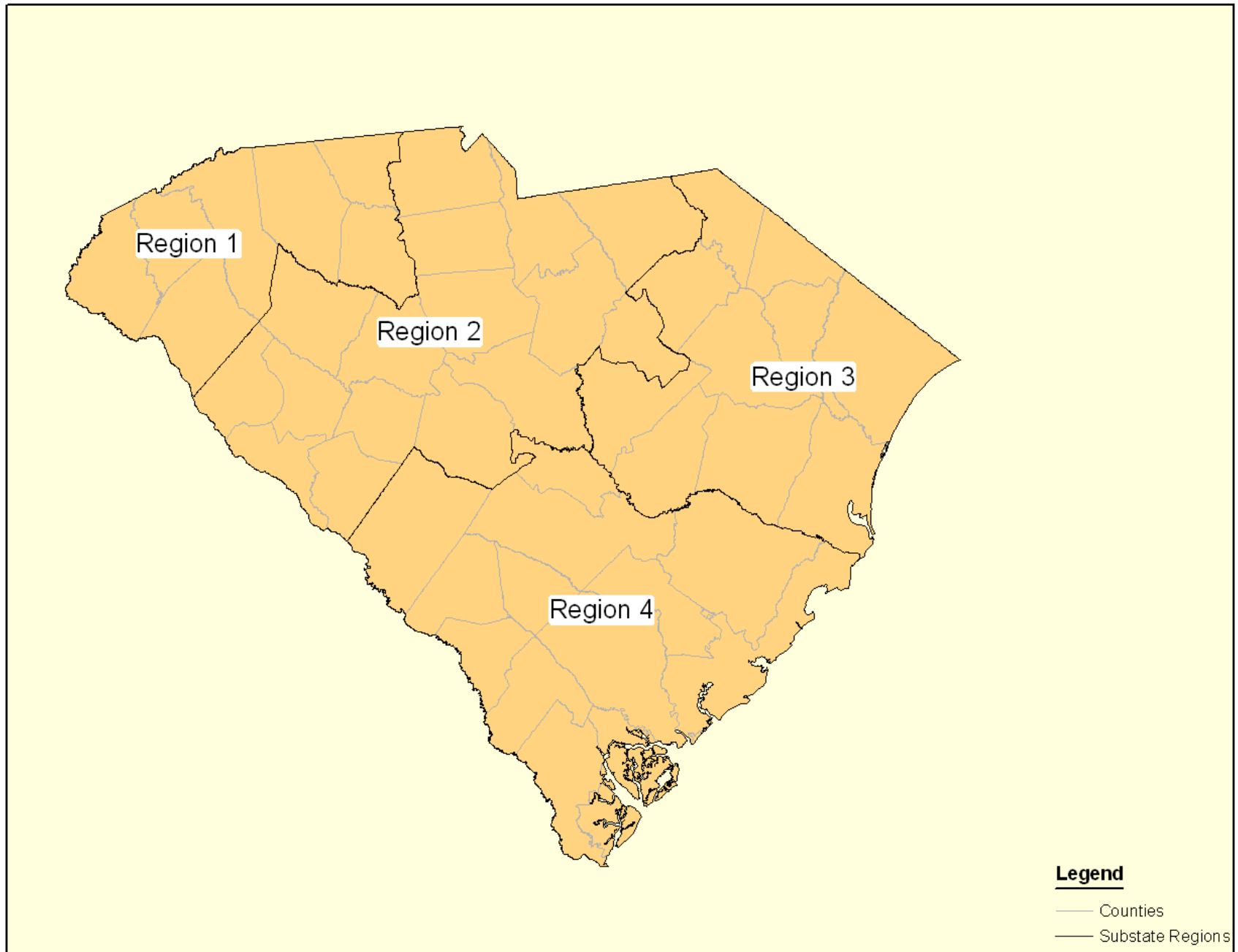


Table D41. SOUTH CAROLINA – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the South Carolina Department of Alcohol and Other Drug Abuse Services and are defined in terms of the State's 46 counties.			
Region 1	Region 2	Region 3	Region 4
Anderson Cherokee Greenville Oconee Pickens Spartanburg Union	Abbeville Chester Chesterfield Edgefield Fairfield Greenwood Kershaw Lancaster Laurens Lee Lexington McCormick Newberry Richland Saluda York	Clarendon Darlington Dillon Florence Georgetown Horry Marion Marlboro Sumter Williamsburg	Aiken Allendale Bamberg Barnwell Beaufort Berkeley Calhoun Charleston Colleton Dorchester Hampton Jasper Orangeburg

Figure D42. SOUTH DAKOTA – Substate Regions (defined in terms of counties)

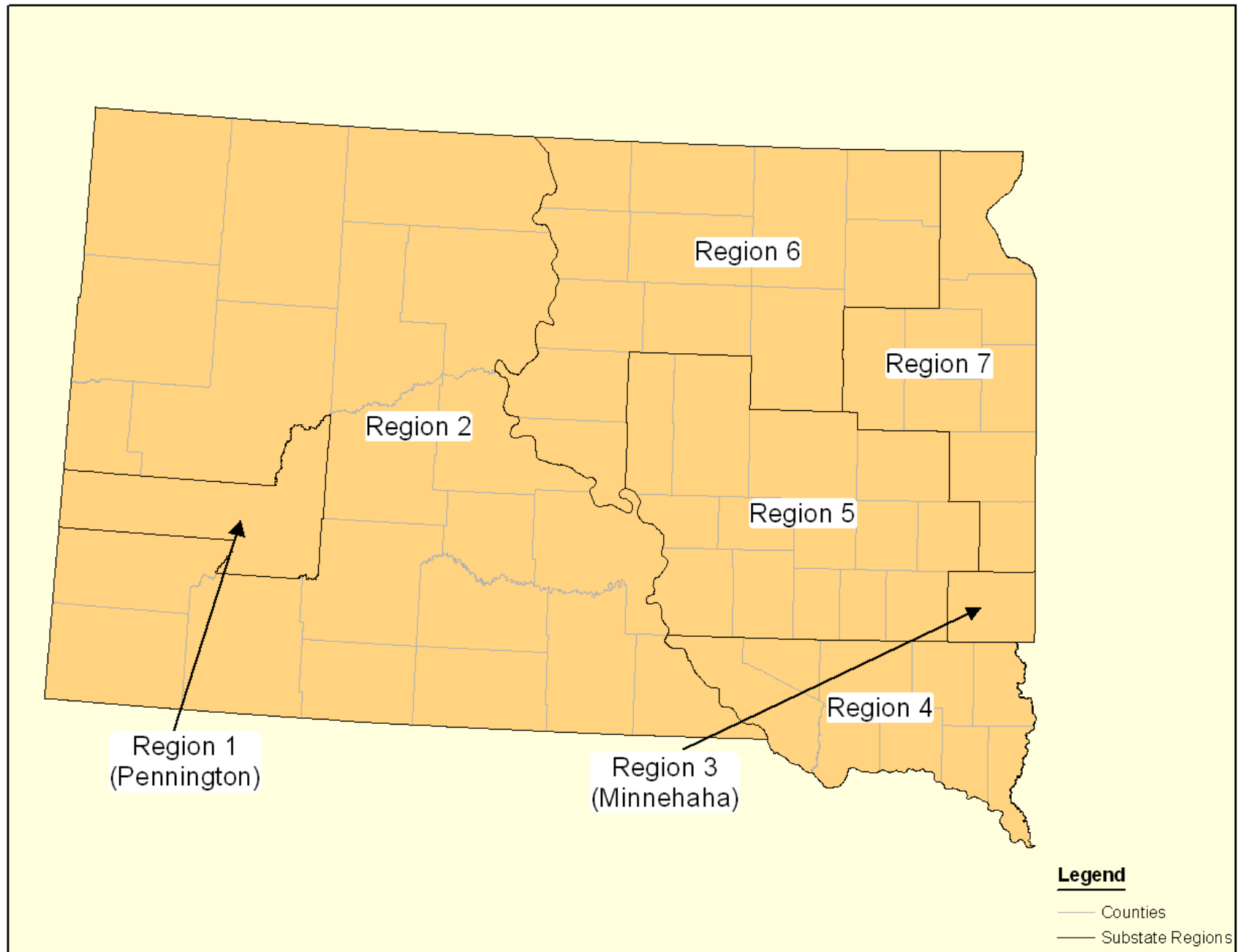


Table D42. SOUTH DAKOTA – Substate Regions (defined in terms of counties)

The State's Division of Alcohol and Drug Abuse, South Dakota Department of Human Services, specified two planning regions (Eastern and Western). In an effort to provide substance use information for more substate areas, these two planning regions were subdivided into several substate regions within the State's 67 counties, while still ensuring that the sample sizes would be adequate for estimation. Counties from the Eastern region were not combined with any counties from the Western region.

Region 1 (Pennington)	Region 2	Region 3 (Minnehaha)	Region 4	Region 5	Region 6	Region 7
Pennington	Bennett Butte Corson Custer Dewey Fall River Gregory Haakon Harding Jackson Jones Lawrence Lyman Meade Mellette Perkins Shannon Stanley Todd Tripp Ziebach	Minnehaha	Bon Homme Charles Mix Clay Douglas Hutchinson Lincoln Turner Union Yankton	Aurora Beadle Brule Buffalo Davison Hand Hanson Hyde Jerauld Kingsbury Lake McCook Miner Sanborn	Brown Campbell Day Edmunds Faulk Hughes Marshall McPherson Potter Spink Sully Walworth	Brookings Clark Codington Deuel Grant Hamlin Moody Roberts

Figure D43. TENNESSEE – Substate Regions (defined in terms of counties)

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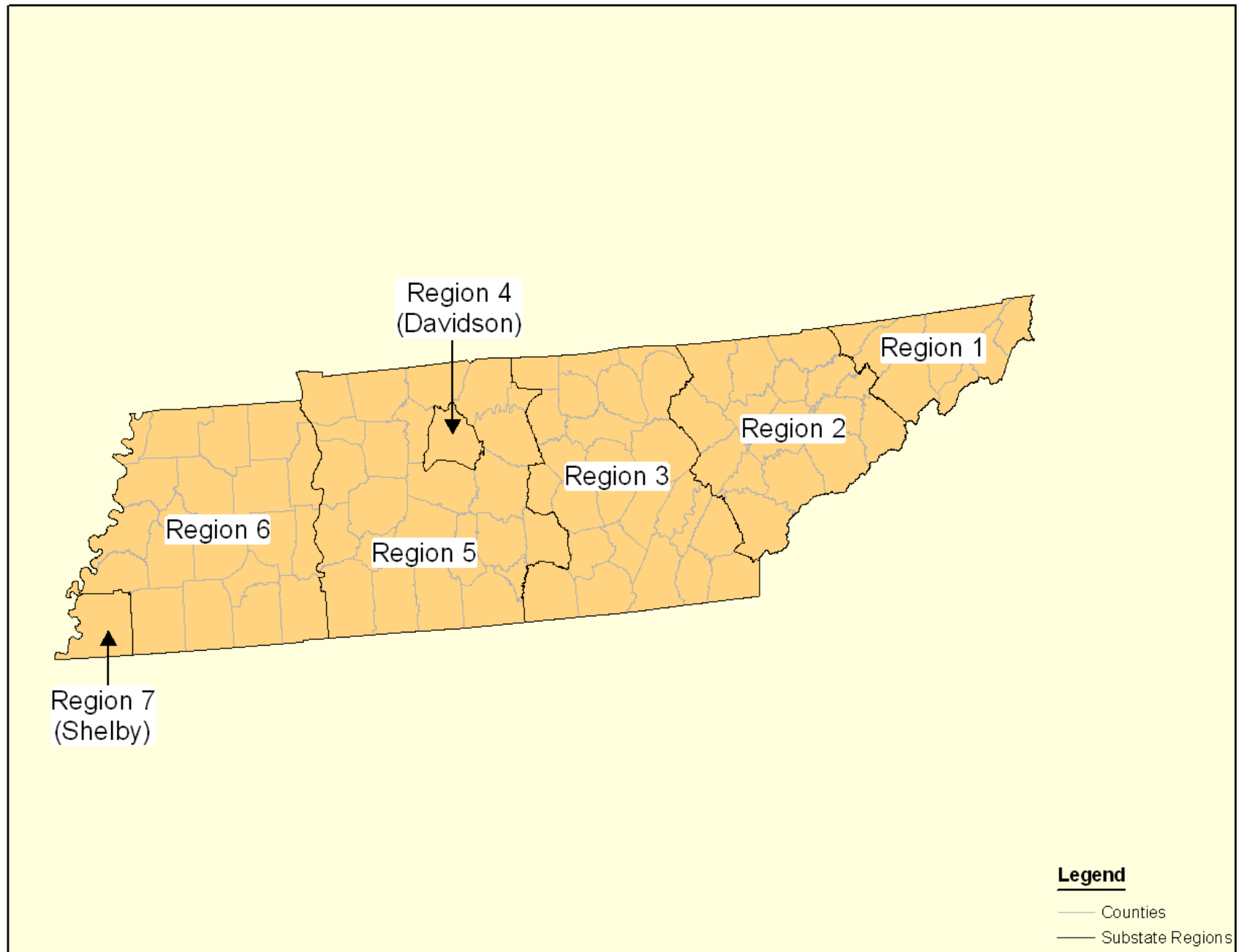


Table D43. TENNESSEE – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the State's Bureau of Alcohol and Drug Abuse Services, Tennessee Department of Health, and are defined in terms of the State's 95 counties.						
Region 1	Region 2	Region 3	Region 4 (Davidson)	Region 5	Region 6	Region 7 (Shelby)
Carter	Anderson	Bledsoe	Davidson	Bedford	Benton	Shelby
Greene	Blount	Bradley		Cheatham	Carroll	
Hancock	Campbell	Cannon		Coffee	Chester	
Hawkins	Claiborne	Clay		Dickson	Crockett	
Johnson	Cocke	Cumberland		Giles	Decatur	
Sullivan	Grainger	De Kalb		Hickman	Dyer	
Unicoi	Hamblen	Fentress		Houston	Fayette	
Washington	Jefferson	Franklin		Humphreys	Gibson	
	Knox	Grundy		Lawrence	Hardeman	
	Loudon	Hamilton		Lewis	Hardin	
	Monroe	Jackson		Lincoln	Haywood	
	Morgan	Macon		Marshall	Henderson	
	Roane	Marion		Maury	Henry	
	Scott	McMinn		Montgomery	Lake	
	Sevier	Meigs		Moore	Lauderdale	
	Union	Overton		Perry	Madison	
		Pickett		Robertson	McNairy	
		Polk		Rutherford	Obion	
		Putnam		Stewart	Tipton	
		Rhea		Sumner	Weakley	
		Sequatchie		Trousdale		
		Smith		Wayne		
		Van Buren		Williamson		
		Warren		Wilson		
		White				

Figure D44. TEXAS – Substate Regions (defined in terms of counties)

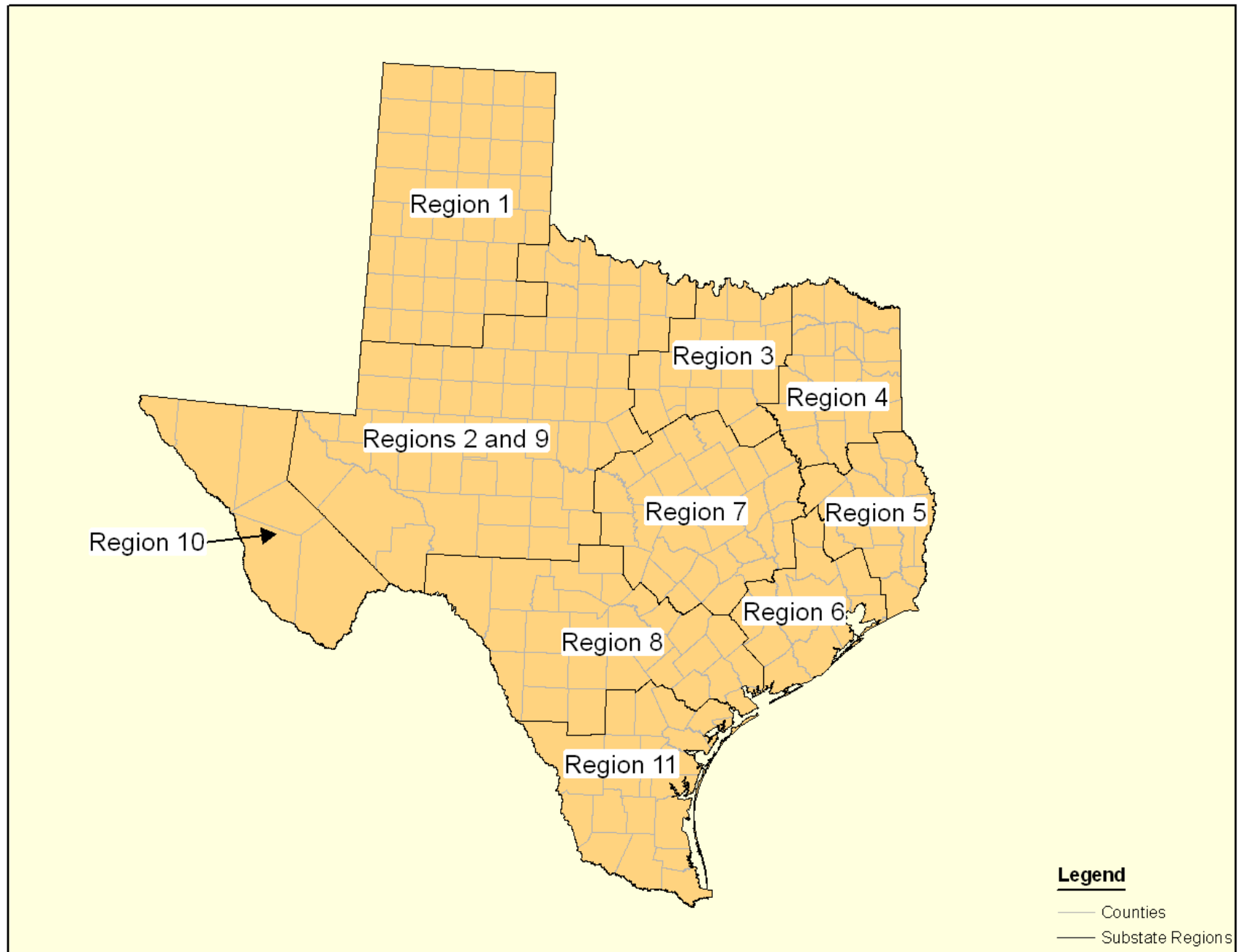


Table D44. TEXAS – Substate Regions (defined in terms of counties)

The substate region definitions were obtained from the Texas Department of State Health Services and are defined in terms of the State's 254 counties. Certain substate regions were combined to meet sample size constraints.						
Region 1		Regions 2 and 9				Region 3
Armstrong	Lubbock	<u>Region 2</u>		<u>Region 9</u>		Collin
Bailey	Lynn	Archer	Taylor	Andrews	Terrell	Cooke
Briscoe	Moore	Baylor	Throckmorton	Borden	Tom Green	Dallas
Carson	Motley	Brown	Wichita	Coke	Upton	Denton
Castro	Ochiltree	Callahan	Wilbarger	Concho	Ward	Ellis
Childress	Oldham	Clay	Young	Crane	Winkler	Erath
Cochran	Parmer	Coleman		Crockett		Fannin
Collingsworth	Potter	Comanche		Dawson		Grayson
Crosby	Randall	Cottle		Ector		Hood
Dallam	Roberts	Eastland		Gaines		Hunt
Deaf Smith	Sherman	Fisher		Glasscock		Johnson
Dickens	Swisher	Foard		Howard		Kaufman
Donley	Terry	Hardeman		Irion		Navarro
Floyd	Wheeler	Haskell		Kimble		Palo Pinto
Garza	Yoakum	Jack		Loving		Parker
Gray		Jones		Martin		Rockwall
Hale		Kent		Mason		Somervell
Hall		Knox		McCulloch		Tarrant
Hansford		Mitchell		Menard		Wise
Hartley		Montague		Midland		
Hemphill		Nolan		Pecos		
Hockley		Runnels		Reagan		
Hutchinson		Scurry		Reeves		
King		Shackelford		Schleicher		
Lamb		Stephens		Sterling		
Lipscomb		Stonewall		Sutton		

(continued)

Table D44. TEXAS – Substate Regions (defined in terms of counties) (continued)

Region 4	Region 5	Region 6	Region 7	Region 8	Region 10	Region 11
Anderson	Angelina	Austin	Bastrop	Atascosa	Brewster	Aransas
Bowie	Hardin	Brazoria	Bell	Bandera	Culberson	Bee
Camp	Houston	Chambers	Blanco	Bexar	El Paso	Brooks
Cass	Jasper	Colorado	Bosque	Calhoun	Hudspeth	Cameron
Cherokee	Jefferson	Fort Bend	Brazos	Comal	Jeff Davis	Duval
Delta	Nacogdoches	Galveston	Burleson	De Witt	Presidio	Hidalgo
Franklin	Newton	Harris	Burnet	Dimmit		Jim Hogg
Gregg	Orange	Liberty	Caldwell	Edwards		Jim Wells
Harrison	Polk	Matagorda	Coryell	Frio		Kenedy
Henderson	Sabine	Montgomery	Falls	Gillespie		Kleberg
Hopkins	San Augustine	Walker	Fayette	Goliad		Live Oak
Lamar	San Jacinto	Waller	Freestone	Gonzales		McMullen
Marion	Shelby	Wharton	Grimes	Guadalupe		Nueces
Morris	Trinity		Hamilton	Jackson		Refugio
Panola	Tyler		Hays	Karnes		San Patricio
Rains			Hill	Kendall		Starr
Red River			Lampasas	Kerr		Webb
Rusk			Lee	Kinney		Willacy
Smith			Leon	La Salle		Zapata
Titus			Limestone	Lavaca		
Upshur			Llano	Maverick		
Van Zandt			Madison	Medina		
Wood			McLennan	Real		
			Milam	Uvalde		
			Mills	Val Verde		
			Robertson	Victoria		
			San Saba	Wilson		
			Travis	Zavala		
			Washington			
			Williamson			

Figure D45. UTAH – Substate Regions (defined in terms of counties)

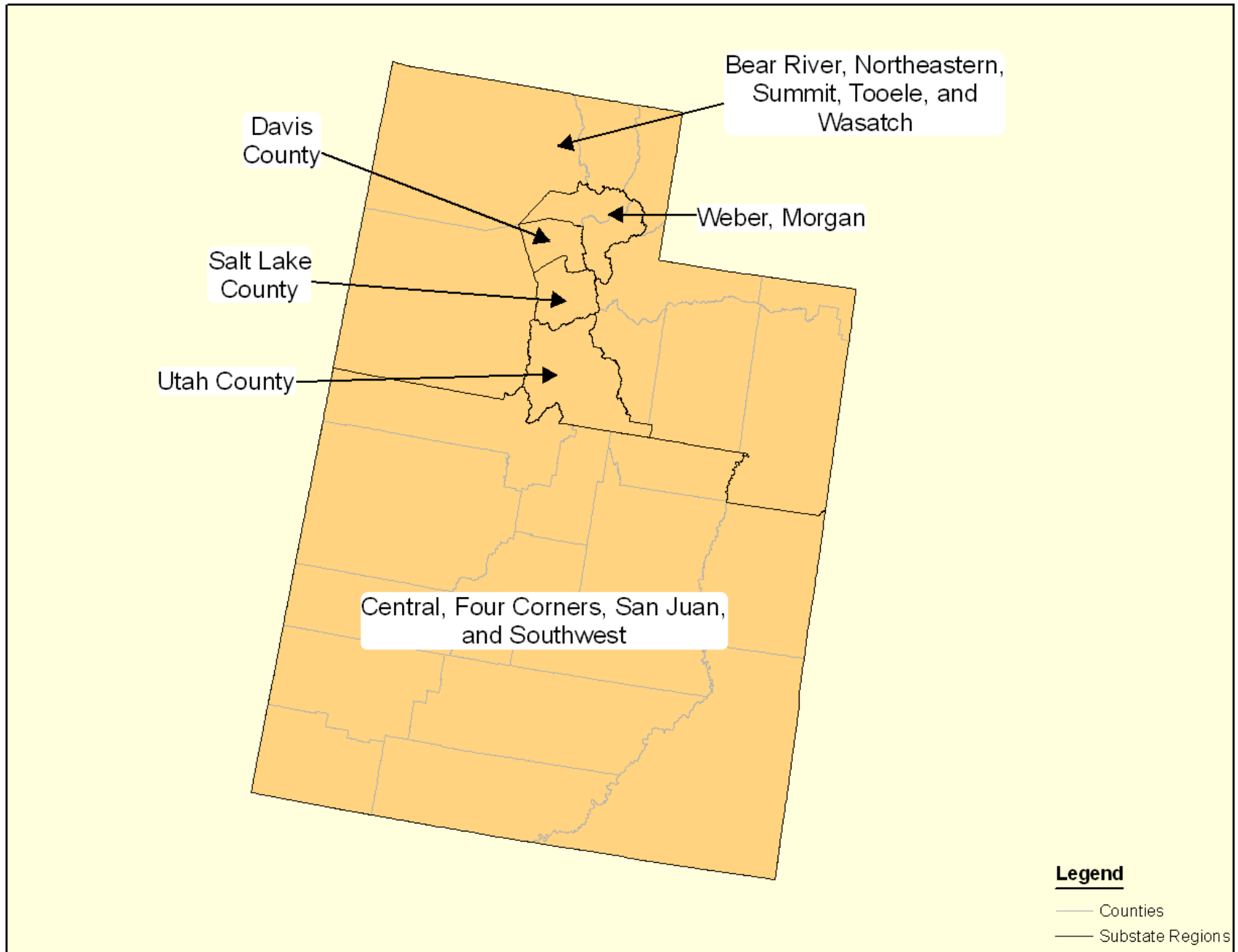
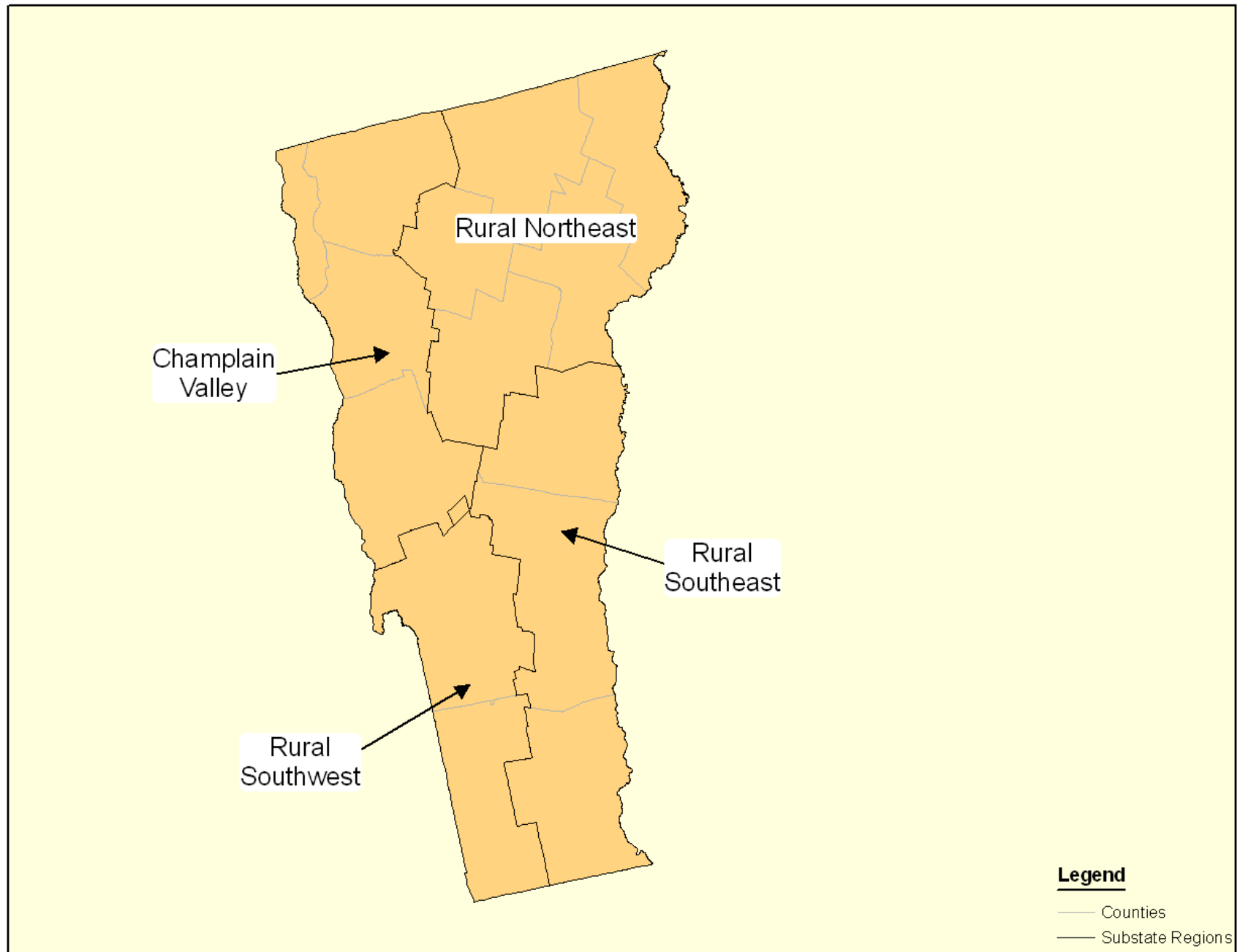


Table D45. UTAH – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were provided by the State's Division of Substance Abuse and Mental Health, Utah Department of Human Services, and are defined in terms of the State's 29 counties. Due to sample size constraints, certain planning areas were combined to form substate regions.</p>							
Bear River, Northeastern, Summit, Tooele, and Wasatch		Central, Four Corners, San Juan, and Southwest		Davis County	Salt Lake County	Utah County	Weber, Morgan
<u>Bear River</u>	<u>Summit</u>	<u>Central</u>	<u>San Juan</u>	Davis	Salt Lake	Utah	Morgan Weber
Box Elder	Summit	Juab	San Juan				
Cache		Millard					
Rich	<u>Tooele</u>	Piute	<u>Southwest</u>				
	Tooele	Sanpete	Beaver				
<u>Northeastern</u>		Sevier	Garfield				
Daggett	<u>Wasatch</u>	Wayne	Iron				
Duchesne	Wasatch		Kane				
Uintah		<u>Four Corners</u>	Washington				
		Carbon					
		Emery					
		Grand					

Figure D46. VERMONT - Substate Regions (defined in terms of counties)



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Table D46. VERMONT - Substate Regions (defined in terms of counties)

The Vermont Department of Health specified two planning regions (Champlain Valley and Rural) for the State's 14 counties. In an effort to provide substance use information for more substate areas, the rural region was subdivided into three substate regions, while still ensuring that the sample sizes would be adequate for estimation.

Champlain Valley	Rural Northeast	Rural Southeast	Rural Southwest
Addison Chittenden Franklin Grand Isle	Caledonia Essex Lamoille Orleans Washington	Orange Windham Windsor	Bennington Rutland

Figure D47. VIRGINIA – Substate Regions (defined in terms of counties)

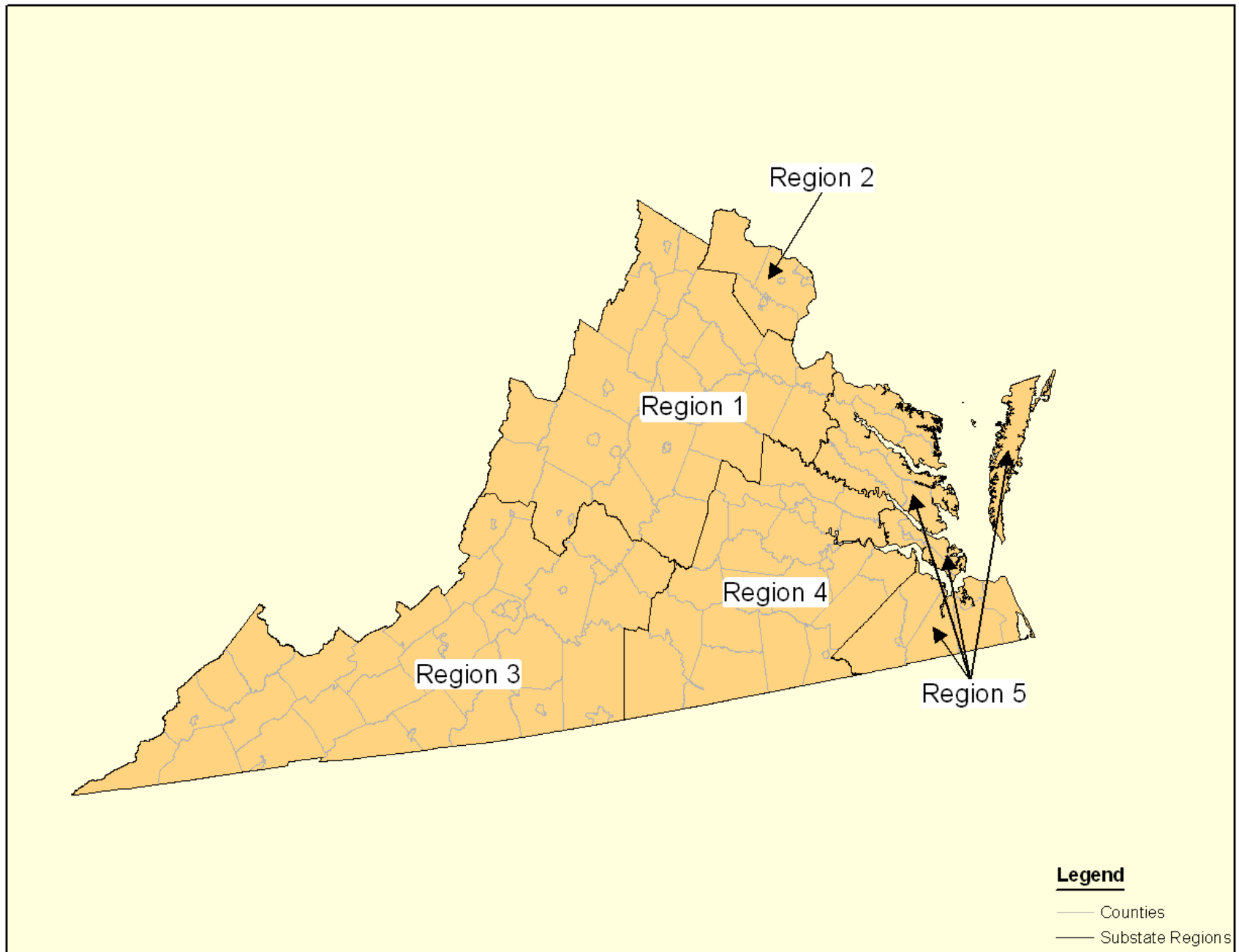


Table D47. VIRGINIA – Substate Regions (defined in terms of counties)

The substate regions defined here were provided by the Virginia Department of Mental Health, Mental Retardation, and Substance Abuse Services and were defined in terms of the State's 95 counties and several independent cities.						
Region 1		Region 2	Region 3		Region 4	Region 5
Albemarle	Rockingham	Alexandria City	Alleghany	Montgomery	Amelia	Accomack
Augusta	Shenandoah	Arlington	Amherst	Norton City	Brunswick	Chesapeake City
Bath	Spotsylvania	Fairfax	Appomattox	Patrick	Charles City	Essex
Buckingham	Stafford	Fairfax City	Bedford	Pittsylvania	Charlotte	Franklin City
Buena Vista City	Staunton City	Falls Church City	Bedford City	Pulaski	Chesterfield	Gloucester
Caroline	Warren	Loudoun	Bland	Radford City	Colonial Heights City	Hampton City
Charlottesville City	Waynesboro City	Manassas City	Botetourt	Roanoke	Cumberland	Isle of Wight
Clarke	Winchester City	Manassas Park City	Bristol City	Roanoke City	Dinwiddie	James City
Culpeper		Prince William	Buchanan	Russell	Emporia City	King and Queen
Fauquier			Campbell	Salem City	Goochland	King William
Fluvanna			Carroll	Scott	Greensville	Lancaster
Frederick			Clifton Forge City	Smyth	Halifax	Mathews
Fredericksburg City			Covington City	Tazewell	Hanover	Middlesex
Greene			Craig	Washington	Henrico	Newport News City
Harrisonburg City			Danville City	Wise	Hopewell City	Norfolk City
Highland			Dickenson	Wythe	Lunenburg	Northampton
King George			Floyd		Mecklenburg	Northumberland
Lexington City			Franklin		New Kent	Poquoson City
Louisa			Galax City		Nottoway	Portsmouth City
Madison			Giles		Petersburg City	Richmond
Nelson			Grayson		Powhatan	Southampton
Orange			Henry		Prince Edward	Suffolk City
Page			Lee		Prince George	Virginia Beach City
Rappahannock			Lynchburg City		Richmond City	Westmoreland
Rockbridge			Martinsville City		Surry	Williamsburg City
					Sussex	York

Figure D48. WASHINGTON – Substate Regions (defined in terms of counties)

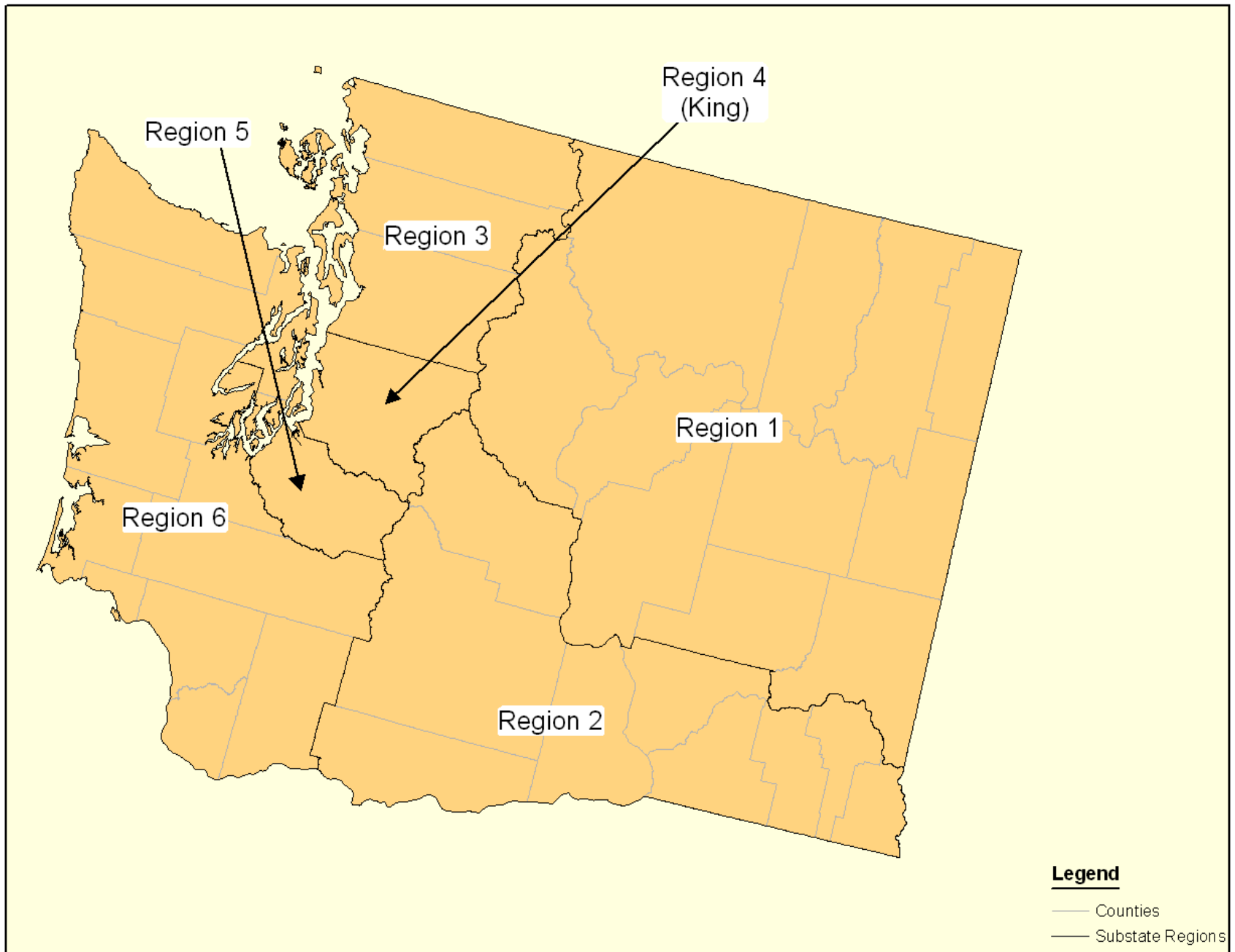
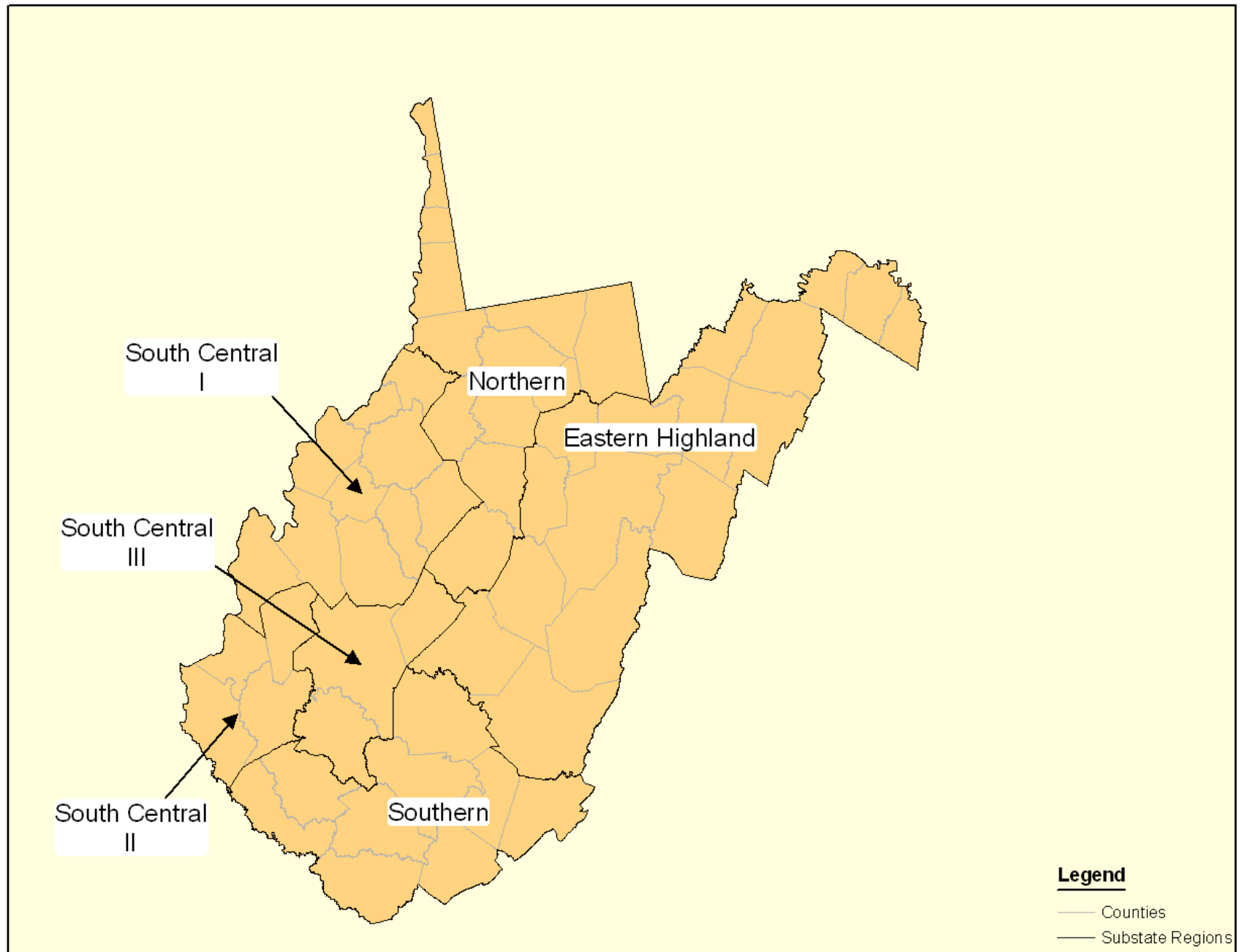


Table D48. WASHINGTON – Substate Regions (defined in terms of counties)

<p>The State's Division of Alcohol and Substance Abuse, Washington Department of Social and Health Services, indicated that separate counties are used as planning areas. In order to meet sample size requirements, the State's 39 counties had to be combined with other counties to form substate regions. The substate regions created for this report are based on the regions listed by the Washington Department of Social and Health Services (see http://www1.dshs.wa.gov/geninfo/contactus.html#org).</p>					
Region 1	Region 2	Region 3	Region 4 (King)	Region 5	Region 6
Adams Chelan Douglas Ferry Grant Lincoln Okanogan Pend Oreille Spokane Stevens Whitman	Asotin Benton Columbia Franklin Garfield Kittitas Klickitat Walla Walla Yakima	Island San Juan Skagit Snohomish Whatcom	King	Kitsap Pierce	Clallam Clark Cowlitz Grays Harbor Jefferson Lewis Mason Pacific Skamania Thurston Wahkiakum

Figure D49. WEST VIRGINIA – Substate Regions (defined in terms of counties)



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Table D49. WEST VIRGINIA – Substate Regions (defined in terms of counties)

<p>The West Virginia Department of Health and Human Services specified four planning regions for its 55 counties. In an effort to provide substance use information for more substate areas, the South Central planning region was subdivided into three substate regions, while still ensuring that the sample sizes would be adequate for estimation.</p>					
Eastern Highland	Northern	South Central I	South Central II	South Central III	Southern
Barbour Berkeley Grant Greenbrier Hampshire Hardy Jefferson Mineral Morgan Nicholas Pendleton Pocahontas Randolph Tucker Upshur Webster	Braxton Brooke Doddridge Hancock Harrison Lewis Marion Marshall Monongalia Ohio Preston Taylor Wetzel	Calhoun Gilmer Jackson Mason Pleasants Ritchie Roane Tyler Wirt Wood	Cabell Lincoln Putnam Wayne	Boone Clay Kanawha	Fayette Logan McDowell Mercer Mingo Monroe Raleigh Summers Wyoming

Figure D50. WISCONSIN – Substate Regions (defined in terms of counties)

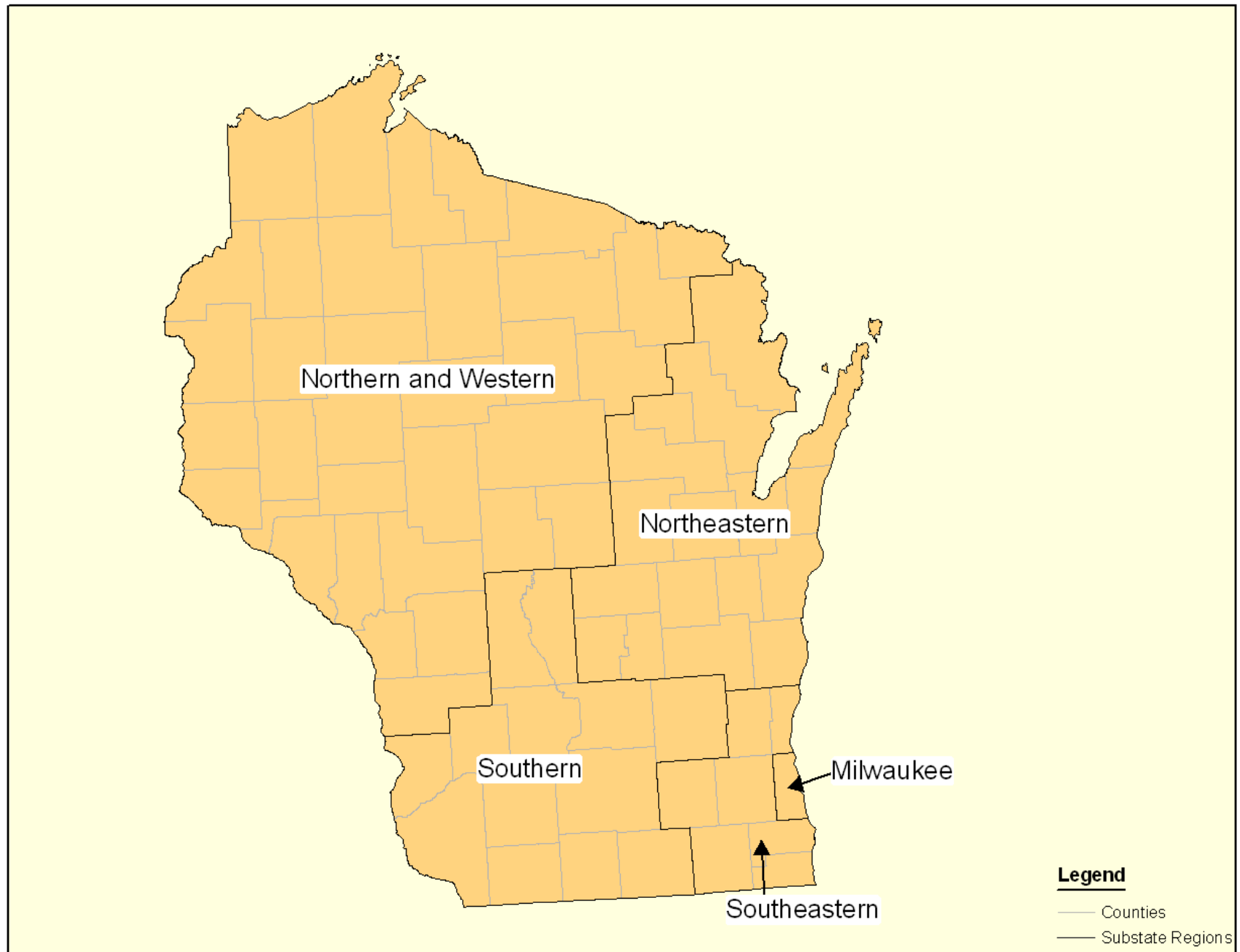


Table D50. WISCONSIN – Substate Regions (defined in terms of counties)

<p>The substate regions defined here were provided by the State's Associate Administrator for Mental Health and Substance Abuse Services, Wisconsin Department of Health and Family Services, and are defined in terms of the State's 72 counties. Due to sample size constraints, certain planning areas were combined to form substate regions.</p>					
Milwaukee	Northeastern	Northern and Western		Southeastern	Southern
Milwaukee	Brown Calumet Door Fond du Lac Green Lake Kewaunee Manitowoc Marinette Marquette Menominee Oconto Outagamie Shawano Sheboygan Waupaca Waushara Winnebago	<u>Northern</u> Ashland Bayfield Florence Forest Iron Langlade Lincoln Marathon Oneida Portage Price Sawyer Taylor Vilas Wood	<u>Western</u> Barron Buffalo Burnett Chippewa Clark Douglas Dunn Eau Claire Jackson La Crosse Monroe Pepin Pierce Polk Rusk St. Croix Trempealeau Vernon Washburn	Jefferson Kenosha Ozaukee Racine Walworth Washington Waukesha	Adams Columbia Crawford Dane Dodge Grant Green Iowa Juneau Lafayette Richland Rock Sauk

Figure D51. WYOMING – Substate Regions (defined in terms of counties)

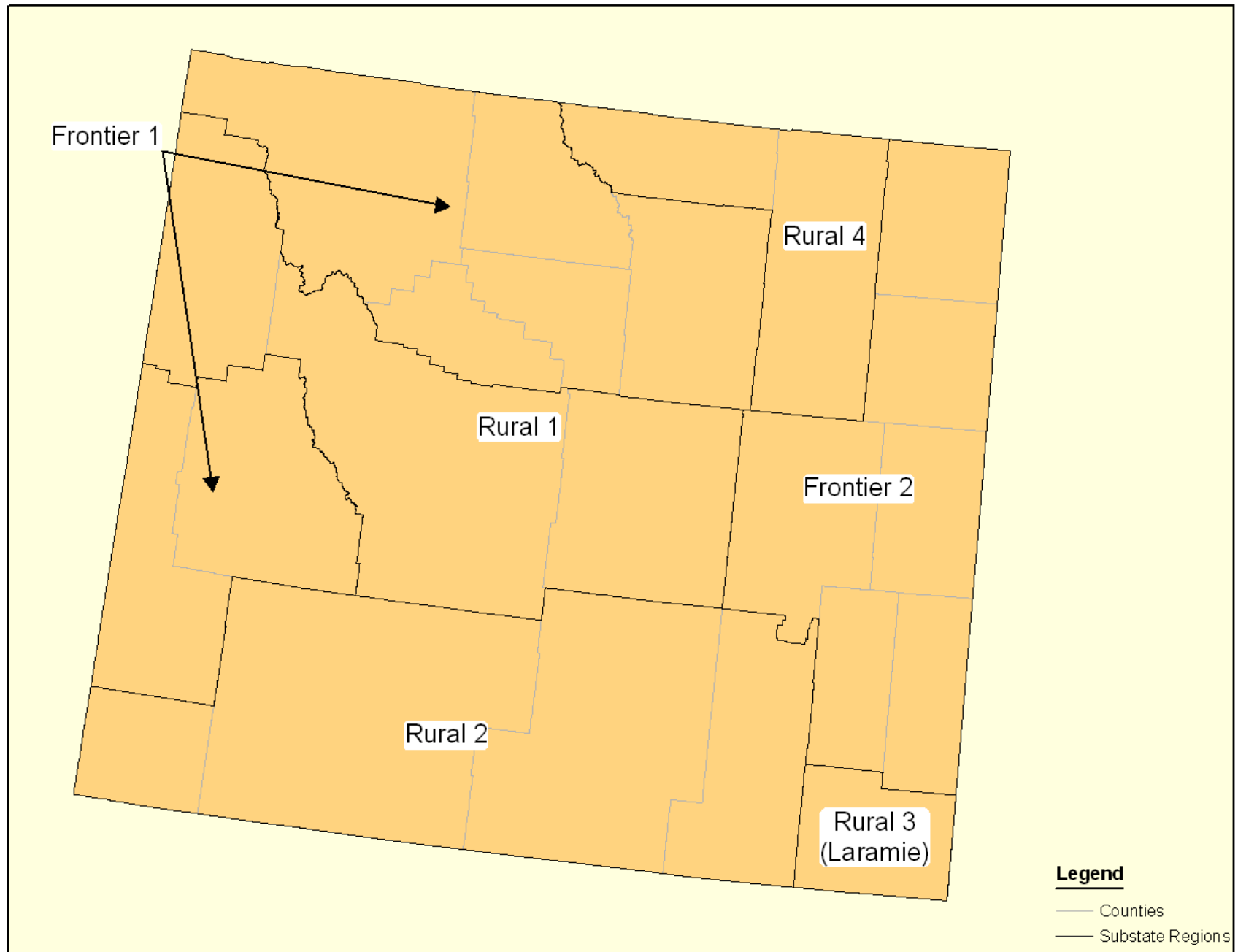


Table D51. WYOMING – Substate Regions (defined in terms of counties)

The State's Department of Health, Substance Abuse Division of Wyoming, specified two planning regions (Frontier and Rural) for the State's 23 counties. In an effort to provide substance use information for more substate areas, these two planning regions were subdivided into several substate regions, while still ensuring that the sample sizes would be adequate for estimation. To avoid collapsing counties from the Frontier region with counties from the Rural region, nonadjacent counties had to be collapsed to form one substate region.

Frontier 1	Frontier 2	Rural 1	Rural 2	Rural 3 (Laramie)	Rural 4
Big Horn Hot Springs Johnson Lincoln Park Sublette Washakie	Converse Crook Goshen Niobrara Platte Weston	Fremont Natrona Teton	Albany Carbon Sweetwater Uinta	Laramie	Campbell Sheridan

Section E: Sample Sizes and Population Estimates

Table E1. Sample Sizes and Population Estimates, by Substate Region, for Persons Aged 12 or Older: 1999, 2000, and 2001 NSDUHs

State/Substate Region	Total Sample Size¹	Population Estimate²
National	207,399	229,467,456
Alabama	2,647	3,645,659
Region 1	654	1,013,508
Region 2	929	1,170,214
Region 3	530	657,132
Region 4	534	804,805
Alaska	2,663	480,591
Gulf Coast	310	57,050
Rural	301	52,155
Southeast	306	57,471
Urban	1,746	313,914
Arizona	2,715	4,127,368
Maricopa	1,662	2,455,000
Pima	446	691,958
Rural North	302	490,052
Rural South	305	490,358
Arkansas	2,797	2,180,777
Areas 1 and 5	551	478,047
Areas 2 and 3	300	274,230
Areas 4 and 7	462	321,406
Area 6	324	175,323
Areas 8 and 12	353	254,099
Area 9	494	412,420
Areas 10, 11, and 13	313	265,252
California	13,432	27,230,135
Region 1	387	740,480
Region 2	1,086	2,447,391
Region 3	585	1,064,472
Region 4	398	1,492,720
Region 5	847	1,955,650
Region 6 (Santa Clara)	631	1,377,594
Region 7	361	573,650
Region 8	772	1,114,588
Region 9	512	723,311
Region 10	437	928,783
Region 11 (Los Angeles)	3,971	7,572,064
Region 12	866	1,344,190
Region 13 (Riverside)	598	1,212,273
Region 14 (Orange)	953	2,281,883
Region 15	1,028	2,401,086

See notes at end of table.

(continued)

Table E1. Sample Sizes and Population Estimates, by Substate Region, for Persons Aged 12 or Older: 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Total Sample Size¹	Population Estimate²
Colorado	2,662	3,507,518
Regions 1 and 4	459	653,658
Region 2	1,246	1,722,458
Region 3	291	506,165
Regions 5 and 6	348	382,241
Region 7 (Boulder)	318	242,996
Connecticut	2,714	2,783,429
Eastern	370	331,504
North Central	816	786,562
Northwestern	386	476,956
South Central	629	656,444
Southwest	513	531,963
Delaware	2,704	646,045
Kent	503	102,548
New Castle	1,671	411,565
Sussex	530	131,932
District of Columbia	2,571	482,843
Ward 1	307	59,072
Ward 2	357	65,440
Ward 3	269	68,900
Ward 4	330	64,440
Ward 5	395	59,959
Ward 6	265	57,461
Ward 7	398	56,489
Ward 8	250	51,081
Florida	10,076	13,277,673
District 1	388	513,167
District 2	382	530,803
District 3	281	420,660
District 4	695	908,187
District 7	1,309	1,563,651
District 8	548	750,174
District 9 (Palm Beach)	643	949,587
District 10 (Broward)	960	1,335,399
District 11	1,744	1,913,807
District 12	337	420,445
District 13	322	659,100
District 14	472	493,294
District 15	296	395,937
Suncoast	1,699	2,423,464

See notes at end of table.

(continued)

Table E1. Sample Sizes and Population Estimates, by Substate Region, for Persons Aged 12 or Older: 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Total Sample Size ¹	Population Estimate ²
Georgia	3,249	6,582,755
Central	282	493,577
East Central	263	638,433
Metro	992	1,960,196
North	711	1,604,089
Southeast	308	647,651
Southwest	308	464,981
West Central	385	773,827
Hawaii	2,727	933,425
Hawaii Island	334	113,796
Honolulu	1,943	676,749
Kalawao, Kauai, and Maui	450	142,880
Idaho	2,773	1,036,190
Region 1	371	145,688
Region 2	273	84,675
Region 3	402	149,593
Region 4	574	277,059
Region 5	382	129,686
Region 6	400	120,942
Region 7	371	128,546
Illinois	10,419	10,104,683
Region I (Cook)	3,956	4,362,538
Region II	3,195	2,840,387
Region III	1,107	1,172,204
Region IV	880	753,143
Region V	1,281	976,410
Indiana	3,020	4,954,133
Central	572	1,186,431
East	317	463,884
North Central	460	739,921
Northeast	329	493,074
Northwest	328	579,209
Southeast and Southwest	549	932,324
West	465	559,288
Iowa	2,789	2,420,620
Central	435	395,689
North Central	476	281,711
Northeast	586	591,500
Northwest	456	407,563
Southeast and Southwest	836	744,157

See notes at end of table.

(continued)

Table E1. Sample Sizes and Population Estimates, by Substate Region, for Persons Aged 12 or Older: 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Total Sample Size ¹	Population Estimate ²
Kansas	2,705	2,174,134
Region 1	589	505,807
Region 2	372	322,339
Region 3	473	357,755
Region 4	905	723,570
Region 5	366	264,663
Kentucky	2,898	3,337,406
Adanta, Cumberland River, and Lifeskills	535	568,893
Bluegrass, Comprehend, and North Key	614	933,223
Communicare and River Valley	305	368,919
Four Rivers and Pennyroyal	380	339,274
Kentucky River, Mountain, and Pathways	444	411,887
Seven Counties	620	715,208
Louisiana	2,782	3,579,559
Region 1	316	464,919
Regions 2 and 9	592	833,799
Region 3	286	303,626
Region 4	424	434,132
Regions 5 and 6	328	453,778
Regions 7 and 8	542	718,907
Region 10 (Jefferson)	294	370,398
Maine	2,653	1,081,768
Region 1	938	381,368
Region 2	1,080	424,562
Region 3	635	275,838
Maryland	2,815	4,322,079
Central and Eastern Shore	1,062	1,863,428
Southern	986	1,269,834
Western	767	1,188,816
Massachusetts	2,697	5,311,623
Boston	360	641,222
Central	393	662,843
Metrowest	542	1,246,758
Northeast	460	1,039,355
Southeast	577	1,031,483
Western	365	689,963

See notes at end of table.

(continued)

Table E1. Sample Sizes and Population Estimates, by Substate Region, for Persons Aged 12 or Older: 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Total Sample Size¹	Population Estimate²
Michigan	10,453	8,139,596
Bay and Saginaw	640	464,983
Detroit City	937	743,087
Genesee	401	352,329
Kalamazoo	513	395,327
Kent	617	461,104
Lakeshore	741	590,315
Macomb	809	654,817
Mid South	1,171	859,630
Northern	837	696,422
Oakland	1,231	983,247
Pathways and Western	375	271,067
Southeast	1,300	1,026,987
St. Clair	331	242,193
Washtenaw	550	398,087
Minnesota	2,795	4,064,638
Regions 1 and 2	353	437,003
Regions 3 and 4	375	651,952
Regions 5 and 6	549	810,062
Region 7A (Hennepin)	640	932,561
Region 7B (Ramsey)	287	422,201
Region 7C	591	810,860
Mississippi	2,757	2,276,489
Regions 1 and 2	312	265,871
Regions 3, 4, 7, and 10	654	591,913
Regions 5, 6, 11, and 15	480	437,101
Regions 8 and 9	585	396,948
Region 12	319	227,034
Regions 13 and 14	407	357,623
Missouri	2,678	4,585,746
Central	333	616,982
Eastern	908	1,631,379
Northwest	598	1,108,359
Southeast	391	557,815
Southwest	448	671,211
Montana	2,709	749,428
Regions 1 and 3	763	220,163
Region 2	443	117,127
Region 4	699	189,834
Region 5	804	222,304

See notes at end of table.

(continued)

Table E1. Sample Sizes and Population Estimates, by Substate Region, for Persons Aged 12 or Older: 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Total Sample Size¹	Population Estimate²
Nebraska	2,673	1,393,251
Regions 1 and 2	300	158,176
Region 3	378	182,592
Region 4	349	175,192
Region 5	705	342,329
Region 6	941	534,963
Nevada	2,625	1,613,082
Clark	1,756	1,106,625
Rural	404	229,842
Washoe	465	276,615
New Hampshire	2,587	1,030,432
Central	713	290,408
Northern	373	135,972
Southern	1,501	604,052
New Jersey	3,202	6,931,011
RHPA I	493	983,155
RHPA IIa (Bergen)	307	739,053
RHPA IIb (Hudson)	298	509,471
RHPA III	429	1,074,373
RHPA IVa	307	632,646
RHPA IVb (Middlesex)	290	622,902
RHPA V	469	1,147,120
RHPA VIa	331	720,141
RHPA VIb (Monmouth)	278	502,150
New Mexico	2,576	1,465,975
Region 1	277	164,665
Region 2	696	297,148
Region 3	437	269,157
Region 4	454	278,645
Region 5 (Bernalillo)	712	456,359
New York	10,281	15,698,041
New York City	4,029	6,623,902
Remainder of the State	6,252	9,074,139
North Carolina	3,062	6,540,921
Eastern	775	1,298,773
North Central	618	1,525,995
South Central	788	1,540,784
Western	881	2,175,370

See notes at end of table.

(continued)

Table E1. Sample Sizes and Population Estimates, by Substate Region, for Persons Aged 12 or Older: 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Total Sample Size ¹	Population Estimate ²
North Dakota	2,730	528,213
Badlands and West Central	735	138,800
Lake Region and South Central	405	85,886
North Central and Northwest	483	94,781
Northeast	410	75,165
Southeast	697	133,581
Ohio	10,618	9,298,254
Boards 2, 46, 55, and 68	457	419,691
Boards 3, 52, and 85	320	284,248
Boards 4 and 78	291	270,487
Boards 5 and 60	376	271,530
Boards 7, 15, 41, 79, and 84	413	393,216
Boards 8, 13, and 83	359	335,990
Board 9 (Butler)	280	271,179
Board 12	297	275,469
Boards 18 and 47	1,326	1,374,176
Boards 20, 32, 54, and 69	341	281,324
Boards 21, 39, 51, 70, and 80	433	393,322
Boards 22, 74, and 87	406	319,157
Boards 23 and 45	307	263,235
Board 25 (Franklin)	1,259	870,852
Boards 27, 71, and 73	454	394,975
Boards 28, 43, and 67	459	388,070
Board 31 (Hamilton)	896	691,214
Board 48 (Lucas)	396	369,692
Board 50 (Mahoning)	253	214,110
Board 57 (Montgomery)	499	459,773
Board 76 (Stark)	329	311,557
Board 77 (Summit)	467	444,985
Oklahoma	2,693	2,777,541
Central	321	298,597
East Central	296	294,295
Northeast	332	359,201
Northwest and Southwest	468	423,968
Oklahoma City Metro	556	608,312
Southeast	373	344,024
Tulsa Metro	347	449,144

See notes at end of table.

(continued)

Table E1. Sample Sizes and Population Estimates, by Substate Region, for Persons Aged 12 or Older: 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Total Sample Size ¹	Population Estimate ²
Oregon	2,659	2,833,764
Region 1 (Multnomah)	534	554,396
Region 2	564	636,934
Region 3	888	899,750
Region 4	351	424,306
Region 5	322	318,378
Pennsylvania	11,191	10,222,755
Regions 1, 27, and 47	1,355	1,287,115
Regions 2, 3, 8, and 9	685	564,287
Regions 4 and 42	467	436,820
Regions 5 and 28	290	204,616
Regions 6, 16, and 39	352	275,302
Region 7 (Bucks)	439	490,323
Regions 10, 15, and 25	308	222,592
Regions 11, 29, 44, and 48	413	456,589
Regions 12, 35, 41, and 45	413	300,516
Region 13 (Chester)	327	353,039
Regions 14, 31, 36, and 46	284	263,882
Regions 17, 24, and 43	618	506,097
Region 18 (Philadelphia)	1,211	1,242,666
Regions 19 and 23	298	306,771
Regions 20, 26, and 40	483	377,329
Regions 21 and 32	400	308,333
Region 22 (Delaware)	484	454,740
Region 30 (Lancaster)	411	381,559
Region 33 (Lehigh)	283	258,930
Region 34	348	295,852
Region 37 (Montgomery)	575	620,854
Region 38 (Northampton)	271	223,486
Region 49	476	391,058
Rhode Island	2,634	875,276
Bristol and Newport	313	114,687
Kent	471	140,339
Providence	1,505	516,566
Washington	345	103,685
South Carolina	2,578	3,283,210
Region 1	562	869,668
Region 2	836	970,999
Region 3	477	585,384
Region 4	703	857,159

See notes at end of table.

(continued)

Table E1. Sample Sizes and Population Estimates, by Substate Region, for Persons Aged 12 or Older: 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Total Sample Size ¹	Population Estimate ²
South Dakota	2,722	613,249
Region 1 (Pennington)	382	71,819
Region 2	547	109,668
Region 3 (Minnehaha)	497	120,068
Region 4	332	88,745
Region 5	279	70,493
Region 6	324	76,122
Region 7	361	76,333
Tennessee	2,806	4,677,944
Region 1	282	400,439
Region 2	545	872,368
Region 3	464	757,248
Region 4 (Davidson)	266	474,628
Region 5	545	962,391
Region 6	371	496,320
Region 7 (Shelby)	333	714,550
Texas	11,575	16,523,668
Region 1	458	625,313
Regions 2 and 9	486	869,202
Region 3	3,095	4,345,969
Region 4	484	829,653
Region 5	322	603,906
Region 6	2,811	3,818,975
Region 7	1,318	1,869,787
Region 8	1,168	1,700,624
Region 10	376	540,832
Region 11	1,057	1,319,407
Utah	3,206	1,743,750
Bear River, Northeastern, Summit, Tooele, and Wasatch	376	203,832
Central, Four Corners, San Juan, and Southwest	351	205,356
Davis County	483	182,862
Salt Lake County	1,036	711,043
Utah County	660	280,245
Weber, Morgan	300	160,412
Vermont	2,709	515,749
Champlain Valley	1,146	197,284
Rural Northeast	577	121,887
Rural Southeast	578	110,783
Rural Southwest	408	85,796

See notes at end of table.

(continued)

Table E1. Sample Sizes and Population Estimates, by Substate Region, for Persons Aged 12 or Older: 1999, 2000, and 2001 NSDUHs (continued)

State/Substate Region	Total Sample Size ¹	Population Estimate ²
Virginia	2,922	5,702,886
Region 1	379	836,892
Region 2	718	1,446,440
Region 3	607	1,080,739
Region 4	369	970,222
Region 5	849	1,368,593
Washington	2,987	4,817,756
Region 1	287	616,503
Region 2	283	433,747
Region 3	549	780,922
Region 4 (King)	908	1,451,898
Region 5	477	753,900
Region 6	483	780,786
West Virginia	2,736	1,526,141
Eastern Highland	542	306,654
Northern	617	382,818
South Central I	423	172,557
South Central II	420	179,645
South Central III	320	199,422
Southern	414	285,045
Wisconsin	3,068	4,432,050
Milwaukee	540	765,192
Northeastern	708	960,030
Northern and Western	642	1,019,208
Southeastern	613	875,848
Southern	565	811,772
Wyoming	2,659	406,226
Frontier 1	412	64,304
Frontier 2	273	40,175
Rural 1	600	99,400
Rural 2	599	86,568
Rural 3 (Laramie)	477	66,677
Rural 4	298	49,102

¹ Total sample size is the combined sample size from the 1999, 2000, and 2001 NSDUHs.

² Population Estimate is the simple average of the 1999, 2000, and 2001 population counts for persons aged 12 or older. The sum of the substate region population counts within a State may not exactly match the State population count listed in the table due to rounding.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

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