

U.S. Alcohol Epidemiologic  
Data Reference Manual  
Volume 3, Fourth Edition

# **COUNTY ALCOHOL PROBLEM INDICATORS**

**1986–1990**

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# 1. Introduction

This document provides the most currently available data on alcohol-related mortality for individual U.S. counties and is the only uniform source of county-level data on alcohol problems for the country. This is the most recent in a series of data reference manuals compiled and published by the Alcohol Epidemiologic Data System (AEDS) of the National Institute on Alcohol Abuse and Alcoholism (NIAAA) and is a major revision and update of three earlier editions showing county-level data on alcohol-related mortality (NIAAA, 1981; Coliver, 1985; Caces et al., 1991). As an update, this document includes the most recent mortality data available at the time of preparation. It is considered a major revision because it uses a definition of alcohol-related mortality based on more current scientific knowledge concerning alcohol's contribution to death than was available when earlier editions were developed.

## 1.1 Purposes and Scope

The primary purposes of this manual are as follows: (1) to provide information that can be useful to State and local agencies in allocating resources for alcohol treatment and prevention and (2) to make county-level alcohol problem data available for national and local research efforts. The following are examples of the potential utility of the data presented here:

- Determining the prevalence of alcohol-related problems in a county or State compared to other counties or States. Such information is valuable in establishing appropriate overall program resource levels and in making differential resource allocations among catchment areas.
- Identifying patterns of abuse by examining data for several counties to determine geographical boundaries within which similar problems occur and studying demographic and ecological patterns that appear to correlate with the magnitude of alcohol problems.
- Assessing needs for alcohol programs to determine the types of programs that are most needed (e.g., programs focused on health issues for prevention of alcohol-related diseases or programs focused on situational problems, such as injuries, that are brought on by the abuse of alcohol) and identifying the geographic areas with the greatest needs (particularly unmet needs).
- Research modeling, using multivariate statistical methods that link alcohol-related mortality levels (as a problem indicator) with ecological variables, to generate hypotheses for further research or to project future alcohol program needs based on anticipated demographic changes.

The data are presented at the county level because counties are usually the smallest geographic units for which public-sector resource planning for alcohol programs is performed. A service (or catchment) area is typically one county or a combination of counties. In addition, counties are the smallest geographic units for which national data sets capture uniform information.

Counties vary considerably in population; from 1986 through 1990 the largest county was Los Angeles, California, with an average population of 8,592,335, and the smallest county was Yellowstone Park, Montana, with an average population of 54. Even with this range of population, counties are more homogeneous in the characteristics of their residents than are other geographical units for which uniform data are available.

Measures of alcohol problems resulting from abuse or dependence include:

- Health effects, such as morbidity or mortality;
- Accidents and injuries, especially from motor vehicle crashes;
- Social effects, such as family dissolution, violence, and alcohol-related crime; and
- Interference with occupational functioning, including absenteeism and diminished job performance.

For the purposes of this manual, assessment of alcohol problems is based on alcohol-related mortality. The death registration system in the United States provides one of the few national data bases that is not based on a sample; mortality data include information on every death that occurs in the country. As a result, all counties are represented equally in the available data. In addition, the assignment of cause of death is uniformly coded throughout the United States.

## **1.2 Alcohol-Related Mortality**

The research literature includes several evolving attempts to assess the overall contribution of alcohol abuse to mortality (Ravenholt, 1984; Rice et al., 1990; Parker et al., 1987; McDonnell and Maynard, 1985; and Caces et al., 1991). These estimates are based on reviews of the medical literature that attempt to assess the contribution of alcohol to various causes of death. The findings in this data reference manual are based on the newest estimates of alcohol's contribution to mortality for specific causes of death (Schultz et al., 1990); this definition is based on the most comprehensive review of findings from the medical literature currently available.

The definition of alcohol-related mortality used in this report differs from previous AEDS estimates of county-level alcohol mortality. In earlier editions of this manual (NIAAA, 1981; Colliver, 1985; Caces et al., 1991), deaths from only eight causes were counted: (1) cirrhosis of the liver, (2) alcohol dependence syndrome, (3) nondependent abuse of alcohol, (4) alcoholic psychoses, (5) alcohol poisoning, (6) motor vehicle crashes, (7) suicide, and (8) homicide. In the earliest previous edition, this reflected the current scientific knowledge. This definition of alcohol-related mortality continued to be used in later editions in order to maintain comparability of estimates for purposes of comparison over time.

The definition of alcohol-related mortality introduced by Schultz et al. (1990) includes deaths from a greater number of underlying causes than were considered in earlier editions of this



manual. This definition was adopted for this manual to reflect the most current knowledge and to provide estimates that more accurately indicate the total impact of alcohol abuse on mortality. This new definition of alcohol-related mortality is described below.

Exhibit 1 following this page shows three categories of causes for deaths that are considered to be related to alcohol abuse, as reported in this manual. For each cause of death, this exhibit includes an alcohol attributable fraction (AAF)—a number representing the proportion of deaths for each cause that medical research indicates can be attributed to excessive consumption of alcohol. Also shown in this exhibit is a specification of the age of decedents whose deaths are considered to be related to alcohol. The three categories are described below:

- *Causes of death with explicit mention of alcohol.*—All causes of death (including deaths from diseases and from injuries or adverse effects) in this category mention alcohol and have an AAF of 1.0. In other words, all deaths in this category are counted as alcohol-related deaths. This is the one modification of the Schultz et al. (1990) definition. Schultz et al. (1990) did not count deaths for causes with explicit mention of alcohol among decedents below the age of 15 years. This decision overlooked a small number of alcohol poisoning deaths in young children. In this report, we counted all deaths with AAFs of 1.0 regardless of age of decedent.
- *Other alcohol-related diseases.*—Diseases in this category are counted only if the decedent is at least 35 years old. This test of age makes sense because diseases related to alcohol only manifest themselves after some lifetime history of excessive alcohol consumption.
- *Other alcohol-related injuries or adverse effects.*—There are two age tests in this category. Causes of death counted for all ages are generally those in which the decedent need not have been drinking (e.g., motor vehicle accidents or deaths from fire or flames). Other causes of death (e.g., accidental falls or suicide) are counted only for decedents at least 15 years or older.

There are some limitations in the use of mortality as an indicator of alcohol problems. Although the proportion of alcohol involvement in some causes of death may be high, the likelihood of dying from one of these causes due to abuse of alcohol is small. Because alcohol abuse does not always result in death, mortality rates do not necessarily reflect the prevalence of problem drinking. In addition, variation in reporting practices regarding cause of death—particularly deaths from socially disapproved medical conditions, such as those resulting from alcohol abuse—may introduce a bias toward underestimating the true incidence of alcohol-related mortality. Nevertheless, there is a legal requirement that each death be certified and reported to a national data system with reasonable consistency in data elements, definitions, and formats. This fact ensures a completeness and basic level of uniformity in mortality data that is not achieved in other statistical series providing county-level data relevant to alcohol problems.

The data reported in this manual are population-based mortality rates. Variability in number of deaths from a given cause may be due in large part to the population size for the area. One

**Exhibit 1**

**Alcohol-Related Underlying Causes of Death, Alcohol-Attributable Fractions (AAFs), and Ages for Which AAFs Apply**

Underlying Cause of Death (ICD-9 code)	AAF	Age
<b>Causes of Death With Explicit Mention of Alcohol</b>		
Alcoholic psychoses (291)	1.00	≥ 0
Alcohol dependence syndrome (303)	1.00	≥ 0
Nondependent abuse of alcohol (305.0)	1.00	≥ 0
Alcoholic polyneuropathy (357.5)	1.00	≥ 0
Alcoholic cardiomyopathy (425.5)	1.00	≥ 0
Alcoholic gastritis (535.3)	1.00	≥ 0
Alcoholic fatty liver (571.0)	1.00	≥ 0
Acute alcoholic hepatitis (571.1)	1.00	≥ 0
Alcoholic cirrhosis of liver (571.2)	1.00	≥ 0
Alcoholic liver damage, unspecified (571.3)	1.00	≥ 0
Excess blood alcohol level (790.3)	1.00	≥ 0
Accidental poisoning by ethyl alcohol, not elsewhere specified (E860.0, E860.1)	1.00	≥ 0
<b>Other Alcohol-Related Diseases</b>		
Pulmonary and other respiratory tuberculosis (011-012)	0.25	≥ 35
Malignant neoplasm of lip, oral cavity and pharynx (140-149)	0.50*	≥ 35
Malignant neoplasm of esophagus (150)	0.75	≥ 35
Malignant neoplasm of stomach (151)	0.20	≥ 35
Malignant neoplasm of liver and intrahepatic bile ducts (155)	0.15	≥ 35
Malignant neoplasm of larynx (161)	0.50*	≥ 35
Diabetes mellitus (250)	0.05	≥ 35
Essential hypertension (401)	0.08	≥ 35
Cerebrovascular disease (430-438)	0.07	≥ 35
Pneumonia and influenza (480-487)	0.05	≥ 35
Diseases of esophagus, stomach and duodenum (530-537)	0.10	≥ 35
Cirrhosis of liver without mention of alcohol (571.5)	0.50	≥ 35
Biliary cirrhosis (571.6)	0.50	≥ 35
Acute pancreatitis (577.0)	0.42	≥ 35
Chronic pancreatitis (577.1)	0.60	≥ 35
<b>Other Alcohol-Related Injuries or Adverse Effects</b>		
Motor vehicle traffic and nontraffic accidents (E810-E825)	0.42	> 0
Pedal cycle and other road vehicle accidents (E826-E829)	0.20	> 0
Water transport accidents (E830-E838)	0.20	> 0
Air and space transport accidents (E840-E845)	0.16	> 0
Accidental falls (E880-E888)	0.35	≥ 15
Accidents caused by fire and flames (E890-E899)	0.45	> 0
Accidental drowning and submersion (E910)	0.38	> 0
Suicide and self-inflicted injury (E950-E959)	0.28	≥ 15
Homicide and injury purposely inflicted by other persons (E960-E969)	0.46	≥ 15
Other injuries and adverse effects:	0.25	≥ 15
Excessive cold (E901)		
Inhalation and ingestion of food causing obstruction of respiratory tract or suffocation (E911)		
Striking against or struck accidentally by objects or persons (E917)		
Caught accidentally in or between objects (E918)		
Accidents caused by machinery (E919)		
Accidents caused by cutting and piercing instruments or objects (E920)		
Accident caused by firearm missile (E922)		
Poisoning by solid or liquid substances, undetermined whether accidentally or purposely inflicted (E980)		

\* AAF is 0.40 for females.

Note: Table adapted from Schultz, J., Rice, D., and Parker, D. (1990).

would expect more deaths in counties with larger populations and fewer deaths in counties with smaller populations. The procedure of counting all deaths from a given cause group, dividing it by the population, and multiplying the result by a standardizing factor such as 100,000 yields an easily interpretable statistic that eliminates the “noise” created by variations in population size. This allows comparison of death rates between counties, whether large or small.

Mortality data and population estimates for the years 1986 through 1990 were aggregated and averaged to compute the rates reported in this manual. With relatively few deaths in many of the counties for the three death categories, and particularly for counties with small populations, year-to-year variations can be considerable. This can be further confounded by the sporadic occurrence of a rare event, such as dying of alcohol poisoning in a sparsely populated county. For this reason, the use of data from 1 or 2 years can present a misleading picture. In order to minimize the effects of this variation, the data included in this manual are averaged over a 5-year period.

### **1.3 Data Sources and Calculations**

Data presented in this manual include population-based mortality rates (both unadjusted and age-adjusted) at the State and county levels for all alcohol-related mortality and for the three subclassifications of alcohol deaths described above. Also shown are county-level maps that compare death rates for two categories of alcohol mortality: (1) causes of death with explicit mention of alcohol and (2) other alcohol-related injuries and adverse effects. Details of data sources and calculations are described below.

#### **1.3.1 Mortality Data**

The National Center for Health Statistics (NCHS) is the source of mortality data. In all cases, the data for a given county represent deaths of residents of that county. Persons who die from an alcohol-related disease or injury may have died in a county other than that in which they resided, but the place of death does not necessarily reflect the place in which a decedent’s history of alcohol abuse occurred. For this reason, place of residence and not place of death is the most appropriate manner of locating alcohol-related mortality for the identification of geographic areas in need of mounting programs to deal with alcohol abuse. Deaths of nonresidents of the United States are excluded.

Based on the combination of all contributory causes listed on the death certificate, NCHS assigns a single underlying cause for each death. The underlying cause of death is defined as “the disease or injury which initiated the train of morbid events leading directly or indirectly to death or the circumstances of the accident or violence which produced the fatal injury” (NCHS, 1982b, p. 4). Deaths were counted as alcohol related by applying the AAF proportions shown in exhibit 1 to the causes of death and age groups also listed in the exhibit. For example, 75 percent of deaths from malignant neoplasms of the esophagus among decedents at least 35 years old were considered to be alcohol-related.

### 1.3.2 Population Data

The population figures presented in this report and used in the calculation of mortality rates include individuals from all age groups. The average population for the years 1986 to 1990 was computed by adding the population from each year and dividing by five. The 1986 to 1989 population data are from special intercensal estimates developed by the Bureau of the Census for the National Cancer Institute. The 1990 population data come from the 1990 census.

### 1.3.3 Mortality Rates

This manual presents two different types of mortality rates, as described below:

- *Unadjusted (or crude) rates.*—These rates are calculated by dividing the number of deaths by the size of the population in the group under study. For example, the average annual number of U.S. deaths from causes with explicit mention of alcohol over the period from 1986 through 1990 was 18,338. When this number is divided by the average U.S. population for this same period (244,511,162), the result is a rate that equals 0.000075 deaths for each person in Census Bureau estimates of the U.S. population. Numbers with so many zeros between the decimal point and the significant digits are difficult to understand. For this reason, mortality rates usually are expressed as rates per 100,000 population and calculated by multiplying the true rate by 100,000. This makes the example rate (7.5 deaths per 100,000 population) a number that is easier to comprehend and compare with other rates.

Unadjusted rates show the true mortality experience for the group under study and are appropriate for assessing the actual incidence of mortality in any population under study. For this reason, unadjusted rates are provided for use in decisions about allocation of resources to address alcohol problems. Unadjusted rates are shown in table 1 for States and table 2 for counties. The maps in this manual display unadjusted mortality rates. However, unadjusted death rates should be interpreted with caution, particularly when comparing places with varying population age distributions. For this reason, this manual also provides age-adjusted death rates.

- *Age-adjusted rates.*—In addition to variation in the size of State or county populations, there exists wide variability in age distributions within these populations. For instance, a retirement community would have a large proportion of elderly people in its population, whereas a county with a rapidly expanding economy might have a large proportion of relatively young workers and their families. In general, elderly persons are more likely to die than young persons. Therefore, one would observe a larger number of deaths occurring in places with relatively more elderly people than in places with relatively more young people, even if the two places were of similar population size. For comparing groups with differing age structures and population sizes, age-adjusted mortality rates are necessary. The observed mortality patterns within an area are standardized, using the population distribution across age groups found in a reference (standard) population. Following convention, the age distribution of the U.S. population in 1940 is used as the

standard for this manual. Thus, in comparing two counties that differ in age structure, the age-adjusted mortality rate provides a picture of what the counties' respective rates would have been had the age distributions of their populations been the same as that of the United States in 1940.

Age-adjusted rates eliminate the confounding effect of different age distributions on mortality rates. For this reason, age-adjusted rates are the preferred indicators of mortality experience for research, in which the influences of factors other than age are of interest. In general, mortality rates for an area with a population that is older than the standard population become lower with age adjustment, while the opposite is true for areas with a younger population. Because the recent U.S. population tends to be older than the 1940 U.S. population, the majority of States and counties in this manual have lower age-adjusted rates than their respective unadjusted rates. Age-adjusted rates are shown for States in table 3 and for counties in table 4.

Although the number of deaths means little without some adjustment for the size of the population under study, there may be some need for readers to be able to derive the number of deaths represented by the mortality rates presented in tables 1 and 2. This number can be approximated by dividing the rate presented in the tables by 100,000 and multiplying this result by the population for the particular group. It will be an approximation because of rounding used in the rates presented in this manual.

#### **1.3.4 Coverage of Counties**

This manual contains data for 3,114 counties. Although an attempt was made to include all counties, no sub-State mortality rates could be computed for Alaska because area definitions used by NCHS for the registration of vital events did not match the population district boundaries used by the Census Bureau. In addition, three new counties were created in the 1980's. Because the intercensal population estimates used in calculating rates were projected for the set of counties that existed at the time of the 1980 census, population estimates for these new counties were not available and, therefore, deaths for these new counties were combined with those for the older counties from which they were created for calculating rates. As a result, the following three counties are not shown separately: (1) Cibola County New Mexico (counted as part of Valencia County); (2) Kalawao County Hawaii (counted as part of Maui County); and (3) La Paz County Arizona (counted as part of Yuma County).



## 2. Area Maps

This section of the data reference manual shows area maps drawn at the county level for all counties in the coterminous United States. These area maps use different shades of gray to indicate the level of mortality for each area (i.e., county) in the map. Such maps provide an easily and quickly understood visual display showing where the highest levels of alcohol mortality occur. These maps are for clusters of States, because a single map of the entire country would result in a picture with indistinguishable shades in counties with small land areas.

The maps are based on unadjusted mortality rates. The unadjusted rates reflect the actual mortality experience in each county, and these maps highlight counties in which deaths are occurring. This information is most useful for allocating resources for treatment and prevention.

There are 20 maps—2 sets for each of 10 clusters of States. One set shows mortality rates for causes of death with explicit mention of alcohol, and the second set shows mortality rates for other alcohol-related injuries and adverse effects. The counties with the greatest rates for each of these two cause-of-death categories differ considerably. In the following pages, the maps for each cause-of-death category for a particular cluster of States are displayed on facing pages for easy comparison.

Each map displaying a particular category of cause of death uses the same scheme for coding level of mortality in order to facilitate comparison between clusters of States. Categories of mortality rate level are based on the distribution of mortality rates for the entire country. Each map shows the top, middle, and bottom thirds of counties, based on their standing in the overall national distribution of mortality rates. For causes of death with explicit mention of alcohol, counties in the lowest third of the distribution had rates less than 3.9 deaths per 100,000 population and counties in the middle third of the distribution had rates greater than 3.8 but less than 7.1 deaths per 100,000 population. For deaths from other alcohol-related injuries or adverse effects, counties in the lowest third of the distribution had rates less than 19.2 deaths per 100,000 population and counties in the middle third of the distribution had rates greater than 19.1 but less than 25.6 deaths per 100,000 population.

Pages 10 through 29 are omitted from this PDF document because of their file size. Figures on these pages are U.S. county-level maps. These maps are contained in 2 separate files, each containing 10 maps and each about 3 times as large as the remainder of the data reference manual. Users who want these map files can find them on NIAAA's web site. The maps in these files are paginated so that they can be inserted into a hard copy of the data reference manual if users choose to print this document.



### 3. Data Tables

In this section, tables show detailed mortality rates for each State and county. Tables 1 and 2 show unadjusted mortality rates and tables 3 and 4 show age-adjusted rates. Tables 1 and 3 summarize the data at the State level while tables 2 and 4 provide data for each county.

Each table shows similar information. The first column gives an identification of the geographic area. The second column shows the average population for this place from 1986 through 1990. Columns 3, 5, 7, and 9 show mortality rates for the following alcohol-related cause-of-death categories (defined in exhibit 1): (1) all alcohol-related causes of death; (2) causes of death with explicit mention of alcohol; (3) other alcohol-related diseases; and (4) other alcohol-related injuries or adverse effects.

In columns 4, 6, 8, and 10, these tables also show ranks based on the rates to the immediate left. The ranks order the States (tables 1 and 3) or counties within States (tables 2 and 4). In the rank columns, the areas with the highest rates have the lowest ranks. In other words, a rank of 1 means that the associated rate is the highest in the country or State. In some instances, there may be ties in the value of the mortality rate, and, in these cases, there will be duplicate values for the rank. For example, if 3 counties have rates equal to 3.4 deaths per 100,000 population and this rate ranks third, then these counties will each be assigned a rank of 3 and there will be no counties assigned ranks of 4 or 5. This also means that the highest rank in a county-level table may not reflect the total number of counties in the State. This is because some small counties have no deaths in a particular cause-of-death category even though rates in this manual are based on an examination of 5 years. Rates of zero also are treated as ties in constructing the ranks presented in these tables; the associated rank for each county having no alcohol-related deaths will be equal to that for all other counties with no alcohol-related deaths reported for the particular category.

Table 1

**Unadjusted Death Rates per 100,000 Population and Associated Ranks for Different Categories of Alcohol-Related Mortality By State: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
United States.....	244,511,162	44.0		7.6		16.8		19.6	
Alabama.....	4,020,638	51.7	6	6.9	26	18.2	11	26.6	4
Alaska.....	544,600	40.4	33	11.0	6	5.8	51	23.6	13
Arizona.....	3,513,867	47.8	11	9.5	10	14.4	43	24.0	12
Arkansas.....	2,343,035	47.4	13	3.8	50	18.7	7	24.9	7
California.....	28,466,631	45.5	17	10.9	8	14.9	40	19.8	25
Colorado.....	3,266,383	38.5	43	8.9	11	11.3	49	18.4	31
Connecticut.....	3,262,966	38.0	45	6.6	28	17.5	16	13.9	47
Delaware.....	647,369	45.4	18	8.2	17	18.1	12	19.1	27
District of Columbia.....	627,390	86.6	1	23.4	1	30.9	1	32.3	1
Florida.....	12,310,405	54.0	4	8.6	13	21.3	2	24.1	11
Georgia.....	6,300,191	49.9	9	8.6	13	16.2	29	25.2	6
Hawaii.....	1,080,550	31.6	50	3.5	51	14.6	42	13.4	49
Idaho.....	992,550	39.8	35	5.2	41	12.8	47	21.8	17
Illinois.....	11,402,778	43.6	23	7.3	25	18.4	9	17.9	34
Indiana.....	5,497,852	39.6	38	4.8	45	16.8	24	18.1	33
Iowa.....	2,775,244	39.0	41	4.7	46	17.6	15	16.7	39
Kansas.....	2,458,327	39.3	40	4.6	48	16.2	29	18.5	30
Kentucky.....	3,683,114	44.3	22	5.8	35	17.4	17	21.1	21
Louisiana.....	4,302,944	46.0	16	4.9	44	16.7	26	24.3	9
Maine.....	1,201,382	42.2	29	7.9	20	18.1	12	16.2	42
Maryland.....	4,644,212	43.1	24	7.5	24	16.5	27	19.1	27
Massachusetts.....	5,970,437	39.0	41	5.8	35	19.8	3	13.4	49
Michigan.....	9,217,167	45.0	20	8.2	17	16.8	24	20.0	24
Minnesota.....	4,290,327	36.2	49	5.9	34	15.1	38	15.2	44
Mississippi.....	2,582,238	50.9	8	5.7	37	17.4	17	27.7	3
Missouri.....	5,075,370	44.5	21	5.7	37	17.1	20	21.6	19
Montana.....	803,631	46.8	15	8.6	13	15.3	36	23.0	14
Nebraska.....	1,573,285	38.2	44	5.3	40	16.1	31	16.8	38
Nevada.....	1,083,768	53.4	5	14.8	2	14.0	44	24.5	8
New Hampshire.....	1,075,217	37.0	48	6.3	32	15.9	33	14.9	46
New Jersey.....	7,692,922	39.7	36	7.7	22	18.9	6	13.2	51
New Mexico.....	1,490,250	55.5	2	14.2	3	13.0	46	28.3	2
New York.....	17,924,886	45.2	19	9.7	9	18.4	9	17.0	36
North Carolina.....	6,480,558	51.1	7	11.0	6	17.1	20	22.9	15
North Dakota.....	654,270	37.8	47	7.8	21	15.1	38	15.0	45
Ohio.....	10,793,925	38.0	45	5.1	43	17.1	20	15.8	43
Oklahoma.....	3,185,474	43.1	24	5.4	39	16.5	27	21.1	21
Oregon.....	2,752,002	47.7	12	11.2	4	15.3	36	21.1	21
Pennsylvania.....	11,838,394	41.8	30	5.2	41	19.8	3	16.9	37
Rhode Island.....	993,578	42.4	27	8.9	11	19.7	5	13.8	48
South Carolina.....	3,416,062	54.5	3	11.2	4	17.4	17	25.9	5
South Dakota.....	696,641	43.0	26	7.6	23	16.0	32	19.3	26
Tennessee.....	4,815,557	48.1	10	6.2	33	17.7	14	24.2	10
Texas.....	16,730,189	40.2	34	4.7	46	13.7	45	21.8	17
Utah.....	1,691,963	30.1	51	4.6	48	9.2	50	16.3	41
Vermont.....	548,958	41.8	30	8.2	17	15.8	34	17.8	35
Virginia.....	6,018,211	40.7	32	6.6	28	15.5	35	18.7	29
Washington.....	4,647,916	39.6	38	6.6	28	14.7	41	18.2	32
West Virginia.....	1,834,235	47.2	14	6.7	27	18.5	8	22.0	16
Wisconsin.....	4,821,313	39.7	36	6.4	31	16.9	23	16.4	40
Wyoming.....	469,995	42.4	27	8.6	13	12.2	48	21.6	19

Table 2

**Unadjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Alabama .....	4,020,638	51.7		6.9		18.2		26.6	
Autauga .....	34,005	52.0	43	5.9	27	15.6	50	30.5	28
Baldwin .....	95,139	46.7	54	5.3	32	18.1	35	23.4	57
Barbour .....	25,294	59.1	23	4.7	43	20.5	25	33.9	17
Bibb .....	16,334	61.3	14	3.7	53	22.4	17	35.2	11
Blount .....	39,057	47.5	51	4.1	49	18.4	32	25.0	50
Bullock .....	10,888	60.0	19	7.3	19	23.6	13	29.0	39
Butler .....	21,941	65.8	9	4.6	46	26.3	3	34.9	13
Calhoun .....	117,260	53.6	36	8.4	14	16.3	46	29.0	39
Chambers .....	37,464	60.2	18	5.9	27	25.9	4	28.5	44
Cherokee .....	19,291	62.1	10	5.2	33	16.9	43	40.0	3
Chilton .....	31,961	40.9	60	1.9	63	14.2	61	24.8	53
Choctaw .....	16,187	53.6	36	1.2	66	16.3	46	36.1	8
Clarke .....	27,340	57.7	26	4.4	48	17.8	37	35.5	10
Clay .....	13,327	77.1	3	9.0	11	24.4	8	43.6	1
Cleburne .....	12,705	62.0	11	4.7	43	14.1	63	43.2	2
Coffee .....	40,211	43.1	57	5.0	38	15.1	53	23.0	58
Colbert .....	52,485	48.6	49	6.1	24	18.3	33	24.2	54
Conecuh .....	14,520	73.3	5	13.8	3	24.4	8	35.1	12
Coosa .....	11,050	78.9	1	18.1	1	22.9	15	38.0	5
Covington .....	36,493	61.8	12	6.0	25	25.0	7	30.8	27
Crenshaw .....	13,574	76.5	4	17.7	2	21.5	19	37.3	7
Cullman .....	66,980	42.6	58	2.1	61	15.0	54	25.5	49
Dale .....	49,180	42.0	59	3.7	53	14.8	56	23.5	56
Dallas .....	49,560	71.7	6	12.5	4	29.8	2	29.4	35
De Kalb .....	54,252	49.8	47	5.2	33	19.7	27	24.9	51
Elmore .....	48,129	49.2	48	7.9	15	16.4	45	24.9	51
Escambia .....	36,168	60.6	16	9.4	9	20.7	22	30.5	28
Etowah .....	100,363	54.5	34	7.6	16	21.1	20	25.8	47
Fayette .....	18,372	50.6	45	3.3	57	18.5	31	28.9	41
Franklin .....	27,972	52.1	42	5.0	38	17.4	39	29.7	34
Geneva .....	23,821	57.5	27	5.0	38	22.7	16	29.8	32
Greene .....	10,285	58.4	25	3.9	51	19.9	26	34.6	15
Hale .....	15,287	61.7	13	2.6	60	24.2	10	34.9	13
Henry .....	15,313	66.3	8	10.4	8	24.1	11	31.8	24
Houston .....	80,377	44.1	56	5.2	33	17.0	42	21.9	61
Jackson .....	48,337	55.9	31	7.4	17	17.9	36	30.5	28
Jefferson .....	655,961	59.5	21	11.3	7	20.9	21	27.3	45
Lamar .....	15,978	48.6	49	1.3	65	17.6	38	29.8	32
Lauderdale .....	80,273	40.1	63	5.0	38	15.3	51	19.8	66
Lawrence .....	31,461	52.2	41	5.1	36	14.3	60	32.8	22
Lee .....	85,252	37.4	66	4.0	50	14.6	58	18.8	67
Limestone .....	52,778	39.6	64	4.9	42	12.9	65	21.8	62
Lowndes .....	12,719	52.8	38	4.7	43	15.3	51	32.8	22
Macon .....	25,215	59.8	20	5.6	30	25.7	5	28.6	43
Madison .....	232,570	38.4	65	5.6	30	12.4	66	20.3	64
Marengo .....	23,459	59.2	22	6.0	25	24.1	11	29.2	37
Marion .....	30,144	51.6	44	2.7	58	15.8	49	33.1	20
Marshall .....	70,048	57.2	28	7.4	17	16.6	44	33.2	19
Mobile .....	376,865	52.8	38	6.7	22	19.2	28	26.8	46
Monroe .....	23,539	53.9	35	3.4	56	17.1	41	33.4	18
Montgomery .....	208,825	47.5	51	8.7	12	18.3	33	20.5	63
Morgan .....	98,296	40.9	60	4.5	47	13.7	64	22.7	59
Perry .....	13,194	56.4	29	12.1	5	20.7	22	23.6	55
Pickens .....	20,985	55.1	32	1.9	63	18.9	29	34.3	16
Pike .....	27,635	56.3	30	7.2	20	23.3	14	25.7	48
Randolph .....	19,881	77.9	2	9.1	10	31.1	1	37.7	6
Russell .....	46,867	67.3	7	11.9	6	25.2	6	30.1	31
St. Clair .....	48,404	50.3	46	6.6	23	14.2	61	29.4	35

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Shelby .....	91,891	35.1	67	3.9	51	9.2	67	22.0	60
Sumter .....	16,453	47.4	53	0.0	67	14.4	59	33.0	21
Talladega .....	74,529	52.7	40	5.1	36	18.7	30	28.8	42
Tallapoosa .....	38,657	60.4	17	7.2	20	22.1	18	31.0	26
Tuscaloosa .....	147,592	40.5	62	5.8	29	14.7	57	20.0	65
Walker .....	67,535	55.0	33	2.1	61	17.3	40	35.7	9
Washington .....	16,657	58.5	24	3.6	55	16.3	46	38.6	4
Wilcox .....	13,887	60.7	15	8.6	13	20.6	24	31.5	25
Winston .....	22,165	46.7	54	2.7	58	14.9	55	29.2	37
Alaska .....	544,600	40.4		11.0		5.8		23.6	
Arizona .....	3,513,867	47.8		9.5		14.4		24.0	
Apache .....	60,011	95.0	1	28.7	1	9.2	13	57.1	1
Cochise .....	95,963	46.1	11	10.4	10	14.7	7	21.0	13
Coconino .....	92,385	49.8	9	14.1	6	7.3	14	28.4	5
Gila .....	39,737	72.8	4	20.6	3	24.2	2	27.9	7
Graham .....	25,837	51.0	7	16.3	4	13.7	9	21.1	12
Greenlee .....	8,509	34.9	13	0.0	14	13.6	10	21.2	11
Maricopa .....	2,030,098	42.8	12	7.7	12	13.5	11	21.6	10
Mohave .....	86,957	74.0	2	13.1	7	24.6	1	36.3	4
Navajo .....	76,115	73.2	3	23.6	2	10.6	12	39.0	2
Pima .....	644,044	46.4	10	8.2	11	16.0	4	22.1	9
Pinal .....	111,333	67.3	5	15.1	5	15.8	5	36.5	3
Santa Cruz .....	27,789	30.3	14	3.6	13	14.5	8	12.3	14
Yavapai .....	99,994	59.2	6	11.2	8	20.0	3	28.1	6
Yuma/La Paz .....	115,094	50.6	8	10.6	9	15.6	6	24.4	8
Arkansas .....	2,343,035	47.4		3.8		18.7		24.9	
Arkansas .....	22,188	53.7	26	4.5	24	22.2	23	27.0	34
Ashley .....	24,763	50.4	40	2.4	45	22.1	24	25.9	40
Baxter .....	30,609	63.9	7	10.5	1	29.1	3	24.3	54
Benton .....	93,067	40.5	65	2.6	41	17.6	57	20.4	70
Boone .....	27,937	44.3	58	2.9	36	19.0	48	22.4	63
Bradley .....	12,184	61.5	10	1.6	57	26.0	8	33.9	8
Calhoun .....	5,894	71.1	3	6.8	7	19.0	48	45.3	1
Carroll .....	18,355	47.0	51	8.7	2	20.0	38	18.2	73
Chicot .....	16,221	70.2	4	6.2	11	26.8	6	37.2	3
Clark .....	22,002	38.8	68	2.7	40	19.6	42	16.5	75
Clay .....	18,501	51.7	35	1.1	66	26.6	7	23.9	56
Cleburne .....	18,996	43.2	60	3.2	34	19.6	42	20.5	69
Cleveland .....	7,865	47.9	50	0.0	68	19.4	45	28.5	28
Columbia .....	25,909	56.0	18	5.4	18	23.0	21	27.6	32
Conway .....	19,269	49.9	41	6.2	11	20.6	34	23.1	61
Craighead .....	67,141	38.3	70	1.2	64	14.9	66	22.2	64
Crawford .....	41,204	37.4	72	1.5	59	14.3	67	21.7	66
Crittenden .....	49,624	58.2	14	6.4	9	19.0	48	32.8	12
Cross .....	19,531	51.8	34	2.0	49	21.3	29	28.4	29
Dallas .....	9,842	72.8	2	8.1	4	27.8	5	36.9	4
Desha .....	17,484	60.0	12	5.7	16	21.3	29	32.9	10
Drew .....	17,595	48.7	47	5.7	16	13.5	70	29.6	24
Faulkner .....	57,012	36.1	74	1.1	66	13.7	68	21.4	67
Franklin .....	14,962	45.2	55	1.3	62	18.1	55	25.7	42
Fulton .....	10,029	49.1	45	2.0	49	22.1	24	25.0	48
Garland .....	73,207	56.2	17	6.0	14	24.7	10	25.5	45
Grant .....	13,652	55.9	19	2.9	36	17.0	59	35.9	6
Greene .....	31,744	46.7	52	6.3	10	17.0	59	23.5	58
Hempstead .....	22,026	48.2	49	1.8	55	19.7	40	26.6	37
Hot Spring .....	26,452	54.4	23	5.3	19	20.3	36	28.8	27

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Howard.....	13,588	52.8	30	0.0	68	20.8	32	32.0	14
Independence.....	31,402	45.3	54	1.3	62	16.6	61	27.5	33
Izard.....	11,224	48.9	46	1.8	55	24.4	13	22.7	62
Jackson.....	19,430	53.7	26	4.1	28	23.7	17	25.9	40
Jefferson.....	86,293	49.2	43	3.9	29	18.4	52	26.9	35
Johnson.....	18,279	52.3	31	2.2	47	19.7	40	30.5	19
Lafayette.....	9,837	67.7	5	6.1	13	28.7	4	32.9	10
Lawrence.....	17,815	49.6	42	4.5	24	21.9	27	23.2	60
Lee.....	13,612	59.4	13	5.9	15	22.0	26	31.6	16
Lincoln.....	13,670	38.3	70	1.5	59	11.1	75	25.7	42
Little River.....	13,997	39.5	67	1.4	61	13.6	69	24.4	53
Logan.....	20,650	41.7	63	1.9	54	15.9	64	23.9	56
Lonoke.....	38,480	45.7	53	1.6	57	19.0	48	25.1	47
Madison.....	11,614	53.9	24	6.9	6	21.4	28	25.6	44
Marion.....	11,888	48.5	48	3.4	31	20.4	35	24.8	50
Miller.....	38,411	53.6	29	8.3	3	20.8	32	24.5	52
Mississippi.....	58,100	45.2	55	3.4	31	15.1	65	26.6	37
Monroe.....	11,859	73.1	1	6.7	8	29.4	2	36.9	4
Montgomery.....	7,838	55.2	21	5.1	20	23.5	18	26.6	37
Nevada.....	10,360	57.2	15	0.0	68	29.5	1	27.7	31
Newton.....	7,740	37.0	73	0.0	68	12.2	74	24.8	50
Ouachita.....	30,951	52.2	32	2.6	41	24.7	10	24.9	49
Perry.....	7,833	44.6	57	0.0	68	19.3	46	25.3	46
Phillips.....	30,159	62.1	9	4.6	23	24.1	15	33.3	9
Pike.....	9,980	51.6	37	2.0	49	22.7	22	26.9	35
Poinsett.....	25,043	60.8	11	4.8	22	24.6	12	31.4	18
Polk.....	17,162	54.5	22	2.3	46	19.6	42	32.6	13
Pope.....	44,703	39.9	66	3.6	30	13.0	73	23.3	59
Prairie.....	9,697	49.2	43	0.0	68	20.2	37	29.0	26
Pulaski.....	350,419	42.3	61	4.2	27	16.0	63	22.1	65
Randolph.....	16,625	52.0	33	1.2	64	19.1	47	31.7	15
St. Francis.....	29,308	51.7	35	3.4	31	18.4	52	29.8	23
Saline.....	61,717	35.5	75	2.6	41	13.3	72	19.6	72
Scott.....	10,133	51.0	38	2.0	49	19.9	39	29.1	25
Searcy.....	8,125	53.7	26	2.5	44	16.1	62	35.1	7
Sebastian.....	98,713	40.6	64	4.5	24	18.4	52	17.7	74
Sevier.....	13,810	50.9	39	0.0	68	21.0	31	29.9	22
Sharp.....	14,250	56.3	16	2.8	39	23.3	19	30.3	20
Stone.....	9,694	43.9	59	2.1	48	17.6	57	24.3	54
Union.....	47,256	63.9	7	8.0	5	25.5	9	30.3	20
Van Buren.....	13,924	53.9	24	2.9	36	23.1	20	28.0	30
Washington.....	110,631	38.6	69	4.9	21	13.5	70	20.3	71
White.....	54,019	42.3	61	3.0	35	17.9	56	21.4	67
Woodruff.....	9,957	65.4	6	2.0	49	24.4	13	38.9	2
Yell.....	17,571	55.3	20	0.0	68	23.8	16	31.5	17
California.....	28,466,631	45.5		10.9		14.9		19.8	
Alameda.....	1,243,326	45.2	41	10.1	26	17.3	27	17.8	47
Alpine.....	1,141	109.0	1	52.6	1	12.6	53	43.8	1
Amador.....	27,112	44.9	44	5.2	53	17.5	24	22.2	35
Butte.....	173,962	53.8	19	7.4	43	21.0	9	25.4	24
Calaveras.....	29,678	60.6	11	4.0	55	20.2	10	36.4	3
Colusa.....	15,632	47.3	33	2.6	58	17.4	25	27.3	18
Contra Costa.....	768,336	41.0	50	8.0	40	16.1	32	16.9	51
Del Norte.....	22,029	65.7	8	19.1	6	20.2	10	26.5	21
El Dorado.....	116,219	46.8	34	9.8	28	15.1	39	21.8	36
Fresno.....	634,459	48.4	29	9.6	29	13.3	50	25.4	24
Glenn.....	24,095	55.4	17	11.6	14	17.3	27	26.5	21
Humboldt.....	116,252	61.9	10	17.0	7	17.9	22	27.0	20

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Imperial.....	105,595	50.0	25	11.4	15	15.7	37	23.0	34
Inyo.....	18,157	80.5	5	23.1	3	29.2	3	28.1	14
Kern.....	518,037	49.5	27	10.2	25	13.8	46	25.6	23
Kings.....	94,345	38.0	54	5.5	51	13.1	51	19.4	41
Lake.....	48,618	87.8	2	21.4	5	34.4	1	32.0	6
Lassen.....	26,378	45.8	38	10.6	18	11.9	56	23.3	32
Los Angeles.....	8,592,335	50.0	25	15.0	10	13.7	47	21.3	37
Madera.....	83,109	51.5	23	8.7	35	13.4	49	29.5	10
Marin.....	226,870	43.7	45	9.3	31	18.4	18	15.9	53
Mariposa.....	13,675	53.9	18	5.9	50	16.6	30	31.4	7
Mendocino.....	77,861	59.4	13	8.5	37	20.0	12	31.0	8
Merced.....	170,048	46.2	36	7.2	45	14.7	40	24.3	28
Modoc.....	9,589	73.6	6	8.3	38	25.1	5	40.2	2
Mono.....	9,598	46.0	37	10.4	21	5.9	58	29.7	9
Monterey.....	345,445	41.4	49	8.3	38	14.0	43	19.1	42
Napa.....	108,139	45.3	40	5.2	53	21.1	8	19.0	44
Nevada.....	73,465	45.8	38	6.0	49	19.6	15	20.2	39
Orange.....	2,311,657	33.2	57	6.3	47	12.8	52	14.0	56
Placer.....	160,076	40.5	51	5.5	51	15.9	34	19.1	42
Plumas.....	19,213	58.7	14	10.4	21	21.2	7	27.1	19
Riverside.....	1,046,162	51.7	22	12.0	11	15.9	34	23.7	30
Sacramento.....	984,005	42.4	47	9.2	33	14.6	41	18.6	46
San Benito.....	34,245	46.5	35	11.1	17	12.2	55	23.2	33
San Bernardino.....	1,288,965	50.2	24	11.8	12	14.3	42	24.2	29
San Diego.....	2,354,143	38.5	52	8.0	40	13.9	45	16.6	52
San Francisco.....	726,792	62.4	9	15.8	9	25.9	4	20.6	38
San Joaquin.....	456,330	52.7	20	10.4	21	17.4	25	24.9	27
San Luis Obispo.....	206,358	41.9	48	9.1	34	15.3	38	17.5	48
San Mateo.....	634,158	42.8	46	10.6	18	18.3	19	13.9	57
Santa Barbara.....	358,589	38.3	53	9.3	31	14.0	43	15.0	54
Santa Clara.....	1,457,494	32.1	58	6.4	46	12.4	54	13.3	58
Santa Cruz.....	221,968	45.1	42	11.4	15	16.7	29	17.0	50
Shasta.....	140,213	57.9	15	11.7	13	18.7	16	27.5	17
Sierra.....	3,251	84.3	3	24.6	2	31.1	2	28.6	12
Siskiyou.....	42,592	68.1	7	16.0	8	18.7	16	33.5	5
Solano.....	317,126	36.9	55	6.2	48	13.5	48	17.2	49
Sonoma.....	367,554	48.1	30	10.1	26	17.9	22	20.1	40
Stanislaus.....	346,345	47.4	32	7.4	43	16.3	31	23.6	31
Sutter.....	61,832	56.7	16	8.7	35	20.0	12	28.0	16
Tehama.....	47,443	59.6	12	10.5	20	19.7	14	29.4	11
Trinity.....	12,784	80.9	4	21.9	4	23.9	6	35.1	4
Tulare.....	299,491	51.8	21	7.5	42	16.0	33	28.2	13
Tuolumne.....	45,458	47.7	31	4.0	55	18.3	19	25.4	24
Ventura.....	638,405	36.0	56	9.6	29	11.9	56	14.6	55
Yolo.....	134,190	45.0	43	10.4	21	15.8	36	18.8	45
Yuba.....	56,286	49.3	28	3.2	57	18.0	21	28.1	14
Colorado.....	3,266,383	38.5		8.9		11.3		18.4	
Adams.....	265,770	33.9	45	7.1	32	10.0	34	16.7	56
Alamosa.....	13,324	47.3	22	13.5	13	8.6	38	25.1	19
Arapahoe.....	383,694	26.4	57	5.6	41	7.7	42	13.1	62
Archuleta.....	5,175	47.0	23	7.7	29	13.1	25	26.1	17
Baca.....	4,679	36.3	40	8.5	24	9.1	37	18.7	46
Bent.....	5,341	62.1	11	15.0	11	18.7	10	28.4	11
Boulder.....	221,385	28.6	55	5.9	39	7.7	42	15.0	59
Chaffee.....	12,855	63.1	10	21.8	5	16.3	19	25.1	19
Cheyenne.....	2,404	68.9	9	0.0	57	33.9	2	34.9	5
Clear Creek.....	7,685	21.9	60	0.0	57	4.7	51	17.2	54
Conejos.....	7,522	57.1	16	18.6	8	13.4	24	25.0	21

Table 2

**Unadjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Costilla.....	3,311	78.1	4	18.1	9	14.9	23	45.1	3
Crowley.....	3,733	44.0	29	5.4	42	19.0	9	19.7	42
Custer.....	1,875	37.0	38	10.7	18	3.9	55	22.4	30
Delta.....	21,694	52.5	18	8.3	25	17.7	14	26.5	15
Denver.....	481,110	59.4	13	19.5	7	16.7	18	23.3	26
Dolores.....	1,569	19.6	63	0.0	57	3.6	57	16.1	57
Douglas.....	52,412	20.0	62	2.7	52	4.4	53	13.0	63
Eagle.....	20,473	30.9	49	2.0	54	3.3	59	25.7	18
Elbert.....	9,082	33.6	46	2.2	53	8.6	38	22.8	28
El Paso.....	387,068	36.3	40	7.9	27	10.5	32	17.9	50
Fremont.....	32,039	55.2	17	7.5	30	20.0	6	27.7	13
Garfield.....	28,654	35.2	43	2.8	51	7.6	45	24.8	22
Gilpin.....	3,001	29.4	51	6.7	35	4.1	54	18.7	46
Grand.....	8,219	28.8	54	4.9	46	6.0	48	18.0	49
Gunnison.....	10,319	34.5	44	7.8	28	4.7	51	22.0	34
Hinsdale.....	472	102.5	1	42.4	2	5.1	50	55.1	1
Huerfano.....	6,256	73.2	6	12.8	14	28.8	3	31.6	10
Jackson.....	1,654	60.7	12	0.0	57	7.7	42	53.0	2
Jefferson.....	432,339	29.0	53	4.7	47	9.7	35	14.6	60
Kiowa.....	1,733	36.1	42	0.0	57	18.4	11	17.8	51
Kit Carson.....	7,299	45.5	26	8.2	26	15.0	22	22.3	31
Lake.....	6,629	31.0	48	6.0	38	3.9	55	21.1	38
La Plata.....	31,990	41.8	33	9.4	21	11.0	31	21.4	36
Larimer.....	180,626	29.4	51	5.2	44	9.6	36	14.6	60
Las Animas.....	14,068	78.4	3	19.9	6	24.9	4	33.6	7
Lincoln.....	4,606	43.3	31	4.3	48	16.8	17	22.1	33
Logan.....	18,260	44.8	27	6.6	36	15.5	20	22.8	28
Mesa.....	91,403	45.6	25	10.9	16	15.2	21	19.5	44
Mineral.....	617	85.3	2	32.4	3	21.1	5	31.8	9
Moffat.....	11,900	23.1	59	0.0	57	5.8	49	17.3	53
Montezuma.....	18,876	58.8	14	14.8	12	12.1	27	31.9	8
Montrose.....	24,458	40.7	35	10.6	19	11.1	30	19.0	45
Morgan.....	22,129	40.6	36	5.4	42	17.4	15	17.8	51
Otero.....	20,794	49.7	20	10.6	19	16.9	16	22.2	32
Ouray.....	2,213	46.4	24	9.0	23	3.5	58	33.8	6
Park.....	6,978	42.2	32	5.7	40	8.3	40	28.1	12
Phillips.....	4,282	71.9	8	9.3	22	35.8	1	26.8	14
Pitkin.....	12,031	27.9	56	5.0	45	1.1	63	21.8	35
Prowers.....	13,644	43.9	30	7.3	31	12.8	26	23.7	24
Pueblo.....	123,778	57.2	15	16.2	10	18.2	13	22.9	27
Rio Blanco.....	6,228	32.1	47	3.2	50	7.8	41	21.1	38
Rio Grande.....	10,977	47.7	21	10.9	16	12.0	28	24.8	22
Routt.....	14,053	25.8	58	1.4	56	3.1	60	21.3	37
Saguache.....	4,489	76.4	5	22.3	4	11.3	29	42.8	4
San Juan.....	753	73.0	7	53.1	1	1.3	62	18.6	48
San Miguel.....	3,512	29.7	50	0.0	57	6.2	47	23.5	25
Sedgwick.....	2,819	41.4	34	7.1	32	18.4	11	15.8	58
Summit.....	12,436	20.7	61	1.6	55	2.0	61	17.1	55
Teller.....	11,839	38.4	37	11.8	15	6.4	46	20.2	41
Washington.....	4,954	44.2	28	4.0	49	19.3	8	20.8	40
Weld.....	131,750	36.7	39	6.8	34	10.3	33	19.6	43
Yuma.....	9,144	52.5	18	6.6	36	19.7	7	26.2	16
Connecticut.....	3,262,966	38.0		6.6		17.5		13.9	
Fairfield.....	831,072	37.7	5	5.6	7	18.2	1	13.9	4
Hartford.....	844,748	39.0	2	7.6	2	17.7	3	13.7	5
Litchfield.....	170,385	37.0	6	5.9	6	16.4	7	14.7	2
Middlesex.....	140,571	34.0	7	4.6	8	16.8	6	12.6	8
New Haven.....	797,291	38.6	4	6.7	3	17.8	2	14.1	3

Table 2

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
New London .....	252,837	39.0	2	7.9	1	17.3	5	13.7	5
Tolland.....	125,746	30.6	8	6.0	5	11.6	8	12.9	7
Windham .....	100,316	42.2	1	6.6	4	17.7	3	17.9	1
Delaware .....	647,369	45.4		8.2		18.1		19.1	
Kent.....	108,133	42.1	3	5.4	3	15.3	3	21.4	2
New Castle.....	429,564	42.2	2	8.4	2	17.4	2	16.5	3
Sussex .....	109,671	61.2	1	10.2	1	24.0	1	27.0	1
District of Columbia .....	627,390	86.6		23.4		30.9		32.3	
Florida.....	12,310,405	54.0		8.6		21.3		24.1	
Alachua .....	176,361	41.7	60	8.2	30	14.3	58	19.3	62
Baker.....	17,873	44.2	58	6.7	47	12.0	62	25.5	40
Bay .....	122,420	48.7	54	7.7	37	17.1	52	23.9	45
Bradford.....	22,458	55.4	42	8.0	33	18.8	45	28.6	25
Brevard.....	375,872	50.5	51	9.5	18	19.3	44	21.6	54
Broward.....	1,204,794	54.7	44	10.6	14	22.6	29	21.6	54
Calhoun.....	10,452	64.2	20	5.7	55	23.2	26	35.3	12
Charlotte.....	99,717	60.1	28	7.2	43	32.3	2	20.6	58
Citrus.....	86,163	67.8	14	12.1	11	28.4	10	27.3	33
Clay.....	98,445	32.4	67	3.5	64	11.9	63	17.0	65
Collier.....	137,987	67.3	16	15.1	5	23.3	25	29.0	23
Columbia.....	41,376	60.6	26	10.2	16	18.5	47	32.0	17
Dade.....	1,871,718	55.7	41	8.1	31	20.1	40	27.5	31
De Soto.....	22,938	74.3	5	12.2	10	21.6	34	40.4	7
Dixie.....	9,999	76.1	3	18.0	2	16.3	54	41.8	5
Duval.....	653,489	55.8	40	8.1	31	18.6	46	29.2	22
Escambia.....	258,832	49.2	53	8.3	29	17.7	48	23.3	48
Flagler.....	24,268	51.1	50	2.5	66	25.4	22	23.2	50
Franklin.....	8,738	72.9	7	13.7	6	28.2	11	30.9	20
Gadsden.....	41,195	70.5	9	7.3	41	25.0	23	38.2	8
Gilchrist.....	8,879	59.6	30	9.0	22	19.6	43	31.1	19
Glades.....	7,339	95.5	1	13.6	7	32.6	1	49.3	1
Gulf.....	11,293	69.6	13	5.3	59	27.0	14	37.3	9
Hamilton.....	10,338	52.8	48	13.5	8	17.2	51	22.1	52
Hardee.....	19,712	57.8	35	6.1	52	19.9	42	31.7	18
Hendry.....	24,439	69.9	12	5.7	55	15.9	56	48.2	2
Hernando.....	89,680	58.7	33	6.7	47	30.1	4	21.9	53
Highlands.....	64,113	64.5	19	6.6	49	29.0	7	29.0	23
Hillsborough.....	798,808	49.6	52	8.0	33	17.6	49	24.0	43
Holmes.....	15,489	62.2	23	6.5	50	21.3	37	34.5	13
Indian River.....	84,782	59.4	32	8.5	28	27.7	12	23.2	50
Jackson.....	41,022	47.6	56	4.4	62	17.5	50	25.7	39
Jefferson.....	11,152	74.1	6	5.4	58	25.8	19	43.0	3
Lafayette.....	5,223	43.1	59	0.0	67	7.4	67	35.7	10
Lake.....	142,622	65.2	18	9.5	18	29.1	5	26.6	35
Lee.....	308,819	58.4	34	9.2	20	23.1	27	26.1	38
Leon.....	182,986	33.2	66	6.2	51	11.7	64	15.3	67
Levy.....	24,795	91.0	2	21.0	1	27.0	14	43.0	3
Liberty.....	5,352	57.1	37	7.5	38	21.2	38	28.4	27
Madison.....	16,221	62.8	21	12.3	9	23.0	28	27.5	31
Manatee.....	199,261	53.9	45	7.4	39	25.6	21	20.8	57
Marion.....	181,453	61.7	24	9.1	21	24.6	24	27.9	28
Martin.....	93,443	59.6	30	8.6	26	27.0	14	24.0	43
Monroe.....	74,804	67.6	15	17.9	3	21.9	32	27.8	29
Nassau.....	41,790	48.4	55	3.4	65	16.6	53	28.5	26
Okaloosa.....	137,980	34.8	65	4.8	61	11.4	65	18.7	64



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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Okeechobee .....	27,970	75.5	4	8.6	26	25.7	20	41.2	6
Orange .....	635,828	40.5	61	6.8	46	14.2	59	19.4	61
Osceola .....	96,747	46.9	57	7.4	39	15.0	57	24.5	41
Palm Beach .....	806,629	55.0	43	8.8	25	22.5	30	23.7	46
Pasco .....	264,334	62.6	22	9.0	22	32.2	3	21.4	56
Pinellas .....	833,373	57.0	38	9.0	22	28.9	8	19.2	63
Polk .....	388,882	53.7	46	6.9	44	20.1	40	26.6	35
Putnam .....	62,711	66.8	17	8.0	33	26.3	17	32.5	16
St. Johns .....	77,581	56.4	39	10.6	14	21.5	35	24.3	42
St. Lucie .....	136,958	57.7	36	8.0	33	21.9	32	27.8	29
Santa Rosa .....	76,110	40.1	62	5.8	54	11.0	66	23.3	48
Sarasota .....	264,213	60.5	27	10.9	13	29.1	5	20.6	58
Seminole .....	265,313	36.2	64	5.7	55	13.6	61	17.0	65
Sumter .....	30,244	70.5	9	7.3	41	27.7	12	35.6	11
Suwannee .....	25,998	70.1	11	6.9	44	28.7	9	34.4	14
Taylor .....	17,006	60.7	25	11.8	12	22.5	30	26.4	37
Union .....	10,291	37.1	63	3.9	63	13.7	60	19.5	60
Volusia .....	346,801	60.0	29	10.0	17	26.3	17	23.7	46
Wakulla .....	13,565	52.2	49	5.9	53	16.2	55	30.2	21
Walton .....	26,702	70.9	8	15.7	4	20.8	39	34.4	14
Washington .....	16,259	53.4	47	4.9	60	21.4	36	27.1	34
Georgia .....	6,300,191	49.9		8.6		16.2		25.2	
Appling .....	15,713	58.7	70	7.6	70	15.1	112	35.9	26
Atkinson .....	6,292	65.7	34	3.2	139	16.9	100	45.5	5
Bacon .....	9,573	71.7	19	8.4	58	21.7	41	41.7	12
Baker .....	3,660	60.3	57	5.5	107	20.1	63	34.8	31
Baldwin .....	39,030	44.1	132	10.2	36	13.6	128	20.2	145
Banks .....	10,007	42.4	133	2.0	152	9.6	149	30.7	61
Barrow .....	28,262	59.0	69	12.0	23	15.2	111	31.8	50
Bartow .....	52,644	50.8	110	9.5	44	14.9	114	26.4	105
Ben Hill .....	16,383	59.9	61	2.4	149	21.1	51	36.4	23
Berrien .....	13,985	57.8	79	4.3	124	23.0	31	30.5	64
Bibb .....	150,488	61.3	48	9.2	48	24.7	24	27.4	94
Bleckley .....	10,470	70.6	20	15.3	11	15.5	107	39.8	15
Brantley .....	10,709	52.3	101	3.7	135	12.6	137	36.0	25
Brooks .....	15,324	58.3	75	10.4	33	20.5	58	27.4	94
Bryan .....	14,060	51.4	104	5.7	103	13.3	133	32.5	44
Bulloch .....	41,696	41.6	135	3.8	133	16.5	103	21.3	138
Burke .....	20,664	72.5	16	16.5	10	19.1	78	37.0	21
Butts .....	15,155	53.5	96	9.2	48	17.6	90	26.7	102
Calhoun .....	5,221	79.3	5	7.7	69	31.3	7	40.4	13
Camden .....	26,519	38.6	144	7.5	72	9.5	150	21.6	135
Candler .....	7,719	69.0	23	7.8	68	29.8	12	31.4	54
Carrroll .....	68,449	46.7	124	5.3	110	16.8	101	24.6	126
Catoosa .....	41,205	32.1	151	1.0	155	14.5	118	16.6	152
Charlton .....	8,239	51.0	107	2.4	149	22.6	35	26.0	112
Chatham .....	215,393	50.6	111	5.7	103	21.4	47	23.5	129
Chattahoochee .....	18,073	13.6	159	0.0	156	1.9	159	11.7	158
Chattooga .....	22,082	63.4	44	10.0	40	26.5	17	27.0	100
Cherokee .....	81,830	32.7	150	2.9	145	8.9	153	20.8	142
Clarke .....	85,522	36.5	147	4.9	113	14.4	123	17.2	151
Clay .....	3,334	68.4	27	6.0	100	33.2	3	29.3	78
Clayton .....	177,062	34.9	149	6.3	94	9.2	152	19.4	147
Clinch .....	6,359	73.2	15	3.1	140	23.5	30	46.6	2
Cobb .....	420,692	32.1	151	4.1	128	10.3	148	17.7	149
Coffee .....	29,359	45.4	127	2.0	152	14.9	114	28.5	83
Colquitt .....	36,549	60.2	58	9.8	42	18.8	80	31.6	51
Columbia .....	61,444	27.9	156	3.3	138	7.2	157	17.4	150

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Cook.....	13,475	51.0	107	3.0	142	17.7	89	30.4	66
Coweta.....	50,515	52.9	99	7.5	72	17.3	96	28.1	88
Crawford.....	8,692	51.5	103	6.9	87	9.4	151	35.2	30
Crisp.....	20,022	64.2	41	10.0	40	20.7	57	33.6	37
Dade.....	12,911	40.5	138	4.6	119	13.7	127	22.2	133
Dawson.....	8,331	76.9	8	7.2	80	14.1	126	55.6	1
Decatur.....	25,608	62.0	47	8.6	56	23.0	31	30.4	66
De Kalb.....	536,758	39.6	141	5.8	102	12.8	135	21.0	141
Dodge.....	17,520	58.7	70	10.3	35	14.3	125	34.1	34
Dooley.....	10,086	58.1	77	5.9	101	16.4	104	35.7	28
Dougherty.....	98,292	54.4	92	13.2	17	17.4	94	23.8	128
Douglas.....	68,184	41.2	136	7.3	76	13.4	132	20.5	144
Early.....	12,111	73.3	14	11.6	25	30.6	8	31.1	57
Echols.....	2,353	44.7	130	8.5	57	10.4	147	25.8	116
Effingham.....	24,140	36.2	148	2.5	147	12.5	138	21.2	139
Elbert.....	18,961	61.0	51	6.3	94	21.7	41	33.0	41
Emanuel.....	20,667	56.5	84	6.8	89	20.2	62	29.5	76
Evans.....	8,567	67.1	30	9.3	47	22.0	37	35.8	27
Fannin.....	15,721	64.3	40	10.2	36	23.7	28	30.4	66
Fayette.....	55,537	25.7	158	2.5	147	7.5	156	15.6	157
Floyd.....	80,595	53.7	95	8.2	62	19.8	68	25.7	117
Forsyth.....	40,729	47.6	120	3.9	131	13.6	128	30.1	71
Franklin.....	16,397	57.1	81	7.3	76	17.9	87	31.9	49
Fulton.....	640,015	74.8	12	22.5	3	19.8	68	32.5	44
Gilmer.....	12,893	53.0	98	1.6	154	22.9	33	28.6	82
Glascok.....	2,391	74.4	13	16.7	9	21.2	50	36.6	22
Glynn.....	61,251	49.1	118	6.2	97	18.0	86	24.9	123
Gordon.....	34,083	49.0	119	8.2	62	14.5	118	26.3	107
Grady.....	20,501	60.9	53	10.7	32	20.3	61	29.8	73
Greene.....	11,690	78.4	6	29.1	2	27.9	14	21.4	137
Gwinnett.....	316,641	26.6	157	3.1	140	7.6	155	15.9	155
Habersham.....	27,222	38.8	143	3.7	135	14.5	118	20.6	143
Hall.....	91,898	47.4	122	8.9	51	13.1	134	25.4	119
Hancock.....	9,081	67.9	28	8.8	52	21.8	40	37.3	20
Haralson.....	21,404	64.2	41	4.7	118	24.1	26	35.5	29
Harris.....	17,398	59.8	62	12.6	20	16.0	105	31.1	57
Hart.....	19,559	50.1	116	4.1	128	20.8	56	25.1	121
Heard.....	8,203	47.6	120	4.9	113	18.3	83	24.5	127
Henry.....	53,277	44.7	130	3.8	133	14.7	116	26.2	109
Houston.....	87,387	38.2	145	6.2	97	12.2	139	19.8	146
Irwin.....	8,658	65.4	36	4.6	119	22.0	37	38.8	17
Jackson.....	29,017	50.4	114	4.8	116	17.3	96	28.3	87
Jasper.....	8,193	61.2	49	7.3	76	19.2	77	34.7	32
Jeff Davis.....	11,917	60.4	56	10.1	39	11.8	141	38.5	18
Jefferson.....	17,763	80.2	4	16.9	7	21.4	47	41.9	11
Jenkins.....	8,340	68.5	26	7.2	80	27.6	15	33.7	36
Johnson.....	8,423	65.2	38	7.1	84	26.7	16	31.3	55
Jones.....	20,102	40.0	139	3.0	142	13.5	131	23.5	129
Lamar.....	12,815	68.7	24	10.9	29	19.4	75	38.3	19
Lanier.....	5,598	58.6	72	0.0	156	19.6	70	39.0	16
Laurens.....	39,508	57.2	80	9.6	43	21.3	49	26.2	109
Lee.....	15,623	31.0	153	6.4	93	8.9	153	15.7	156
Liberty.....	49,904	28.1	155	4.8	116	7.1	158	16.1	154
Lincoln.....	7,335	72.3	17	5.5	107	20.9	55	46.0	3
Long.....	6,062	39.8	140	0.0	156	10.5	145	29.3	78
Lowndes.....	75,445	47.1	123	4.5	121	15.5	107	27.1	99
Lumpkin.....	13,762	50.3	115	7.3	76	14.5	118	28.5	83
McDuffie.....	19,998	59.6	63	13.0	18	15.0	113	31.6	51
McIntosh.....	8,457	58.0	78	7.1	84	16.7	102	34.2	33
Macon.....	13,359	70.0	21	13.5	16	30.2	11	26.3	107

Table 2

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Madison.....	20,326	44.8	128	3.0	142	15.4	109	26.4	105
Marion.....	5,595	86.5	3	14.3	13	35.9	2	36.3	24
Meriwether.....	21,971	59.1	67	8.2	62	19.6	70	31.3	55
Miller.....	6,388	54.5	91	6.3	94	26.1	18	22.2	133
Mitchell.....	20,634	58.4	74	3.9	131	21.9	39	32.6	43
Monroe.....	16,704	58.6	72	10.8	30	20.0	64	27.8	89
Montgomery.....	7,189	46.2	125	5.6	105	14.7	116	25.9	113
Morgan.....	12,640	59.5	64	14.2	14	17.5	91	27.8	89
Murray.....	24,684	44.8	128	4.9	113	12.1	140	27.8	89
Muscogee.....	179,668	52.7	100	12.8	19	18.7	81	21.2	139
Newton.....	40,421	51.3	105	6.9	87	17.4	94	27.0	100
Oconee.....	16,581	36.6	146	8.4	58	11.6	143	16.5	153
Oglethorpe.....	9,670	77.6	7	12.4	21	20.0	64	45.1	6
Paulding.....	37,915	40.9	137	4.2	126	10.5	145	26.2	109
Peach.....	20,597	59.1	67	17.5	5	11.8	141	29.8	73
Pickens.....	13,848	50.5	112	4.3	124	15.9	106	30.3	69
Pierce.....	13,125	49.9	117	7.6	70	17.5	91	24.7	125
Pike.....	9,806	60.9	53	10.2	36	21.6	44	29.1	80
Polk.....	33,624	65.7	34	9.5	44	22.4	36	33.8	35
Pulaski.....	8,352	93.7	2	16.8	8	32.5	5	44.4	8
Putnam.....	13,401	62.5	46	10.4	33	18.7	81	33.3	39
Quitman.....	2,209	52.0	102	0.0	156	20.4	59	31.6	51
Rabun.....	11,399	57.0	82	8.8	52	17.1	99	31.1	57
Randolph.....	8,313	67.8	29	7.2	80	32.1	6	28.4	85
Richmond.....	190,949	55.2	87	11.2	28	17.5	91	26.5	104
Rockdale.....	50,509	39.6	141	8.3	60	12.8	135	18.5	148
Schley.....	3,576	54.7	90	5.6	105	23.7	28	25.4	119
Screven.....	14,164	65.0	39	11.3	27	23.8	27	29.9	72
Seminole.....	9,096	56.5	84	4.4	123	21.6	44	30.5	64
Spalding.....	53,367	56.3	86	9.4	46	19.3	76	27.7	93
Stephens.....	22,916	64.2	41	14.0	15	19.5	73	30.7	61
Stewart.....	5,721	68.6	25	17.5	5	25.3	21	25.9	113
Sumter.....	30,415	50.5	112	7.9	67	17.9	87	24.8	124
Talbot.....	6,463	66.2	32	12.4	21	25.5	20	28.4	85
Taliaferro.....	1,975	94.1	1	30.4	1	18.9	79	44.8	7
Tattall.....	17,697	59.4	66	4.5	121	24.6	25	30.2	70
Taylor.....	7,762	75.6	10	5.2	112	30.3	10	40.2	14
Telfair.....	11,140	76.7	9	5.4	109	25.6	19	45.7	4
Terrell.....	10,898	58.3	75	9.2	48	20.4	59	28.8	81
Thomas.....	38,721	60.2	58	8.3	60	19.9	66	32.0	47
Tift.....	34,639	61.1	50	17.9	4	17.3	96	25.9	113
Toombs.....	23,909	60.2	58	7.5	72	19.9	66	32.7	42
Towns.....	6,583	30.2	154	6.1	99	14.4	123	9.7	159
Treutlen.....	5,984	55.1	88	6.7	90	21.1	51	27.3	98
Troup.....	55,076	63.2	45	8.7	54	25.0	23	29.5	76
Turner.....	8,958	51.1	106	2.2	151	21.1	51	27.8	89
Twiggs.....	9,910	65.3	37	8.1	66	13.6	128	43.6	10
Union.....	11,456	59.5	64	3.5	137	25.2	22	30.7	61
Upson.....	26,315	69.3	22	14.4	12	29.2	13	25.7	117
Walker.....	57,623	46.2	125	4.2	126	19.6	70	22.5	132
Walton.....	36,983	54.9	89	7.0	86	18.1	85	29.7	75
Ware.....	35,987	53.8	94	7.2	80	21.5	46	25.0	122
Warren.....	6,129	75.0	11	6.5	91	36.1	1	32.4	46
Washington.....	19,119	65.9	33	11.5	26	21.1	51	33.3	39
Wayne.....	22,136	61.0	51	10.8	30	22.7	34	27.4	94
Webster.....	2,298	56.7	83	8.7	54	14.5	118	33.5	38
Wheeler.....	4,977	54.4	92	4.0	130	19.5	73	30.9	60
White.....	12,393	50.9	109	6.5	91	21.7	41	22.8	131
Whitfield.....	71,132	42.3	134	5.3	110	15.4	109	21.6	135
Wilcox.....	7,093	60.8	55	2.8	146	30.6	8	27.4	94

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Wilkes.....	10,769	72.0	18	7.4	75	32.6	4	32.0	47
Wilkinson.....	10,284	66.9	31	11.7	24	11.6	143	43.7	9
Worth.....	19,485	53.2	97	8.2	62	18.3	83	26.6	103
Hawaii.....	1,080,550	31.6		3.5		14.6		13.4	
Hawaii.....	115,357	45.3	1	4.9	1	16.8	2	23.7	1
Honolulu.....	821,657	28.9	4	3.4	3	14.0	4	11.6	4
Kauai.....	48,714	39.1	2	2.5	4	19.4	1	17.2	2
Maui/Kalawao.....	94,822	34.1	3	4.0	2	15.6	3	14.5	3
Idaho.....	992,550	39.8		5.2		12.8		21.8	
Ada.....	198,169	32.9	37	5.1	21	10.7	34	17.1	40
Adams.....	3,296	39.5	28	6.1	15	10.9	33	22.6	27
Bannock.....	65,890	33.7	36	5.5	20	11.2	29	17.0	41
Bear Lake.....	6,356	46.6	16	3.1	30	17.7	11	25.8	18
Benewah.....	8,077	60.6	6	5.0	22	19.7	6	36.0	4
Bingham.....	37,186	41.0	27	5.9	17	9.9	35	25.1	20
Blaine.....	12,939	47.6	13	6.2	14	8.7	40	32.8	7
Boise.....	3,385	64.6	3	5.9	17	15.0	17	43.7	2
Bonner.....	26,291	45.4	22	3.8	26	13.6	21	27.9	12
Bonneville.....	70,270	35.4	34	4.0	24	11.2	29	20.1	35
Boundary.....	8,046	37.6	31	5.0	22	12.3	24	20.3	34
Butte.....	2,994	43.5	24	0.0	38	20.3	4	23.2	24
Camas.....	746	26.0	43	0.0	38	11.0	31	15.0	43
Canyon.....	88,945	45.0	23	3.8	26	15.2	16	26.0	16
Caribou.....	7,304	30.2	40	2.7	32	9.3	37	18.2	39
Cassia.....	19,599	36.6	33	6.1	15	11.8	26	18.7	38
Clark.....	755	96.4	1	0.0	38	43.4	1	53.0	1
Clearwater.....	8,764	46.3	18	6.8	13	11.6	27	27.9	12
Custer.....	4,388	51.4	11	9.1	6	7.0	43	35.3	5
Elmore.....	21,128	29.6	41	1.9	35	8.7	40	19.0	37
Franklin.....	9,180	31.5	39	0.0	38	9.7	36	21.8	30
Fremont.....	10,830	38.2	30	1.8	36	11.0	31	25.3	19
Gem.....	11,843	53.3	9	8.4	8	20.9	2	24.0	22
Gooding.....	11,747	51.7	10	0.0	38	20.3	4	31.4	10
Idaho.....	13,933	54.6	8	8.6	7	15.9	14	30.1	11
Jefferson.....	16,168	34.6	35	3.7	28	9.0	38	21.9	29
Jerome.....	15,209	37.6	31	2.6	33	14.4	19	20.6	33
Kootenai.....	68,152	43.2	25	7.0	12	13.8	20	22.3	28
Latah.....	30,180	31.8	38	4.0	24	12.2	25	15.6	42
Lemhi.....	6,917	42.2	26	5.8	19	13.4	22	22.9	26
Lewis.....	3,600	80.0	2	22.2	1	18.5	8	39.3	3
Lincoln.....	3,340	46.5	17	0.0	38	14.8	18	31.6	9
Madison.....	22,859	20.0	44	0.9	37	6.3	44	12.8	44
Minidoka.....	19,576	27.9	42	0.0	38	8.8	39	19.1	36
Nez Perce.....	33,180	45.5	21	7.8	9	16.9	12	20.8	32
Oneida.....	3,441	55.2	7	11.6	4	18.6	7	25.0	21
Owyhee.....	8,291	46.0	19	2.4	34	15.8	15	27.8	14
Payette.....	16,302	47.2	15	7.4	11	18.4	10	21.4	31
Power.....	7,027	46.0	19	2.8	31	7.9	42	35.3	5
Shoshone.....	15,013	63.2	5	10.7	5	20.4	3	32.2	8
Teton.....	3,358	49.1	12	11.9	3	11.3	28	25.9	17
Twin Falls.....	53,280	47.3	14	7.5	10	16.0	13	23.8	23
Valley.....	6,125	38.7	29	3.3	29	12.4	23	23.0	25
Washington.....	8,472	64.3	4	18.9	2	18.5	8	26.9	15

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Illinois.....	11,402,778	43.6		7.3		18.4		17.9	
Adams .....	66,684	41.9	49	2.4	67	20.0	30	19.5	45
Alexander .....	10,811	77.6	1	11.1	1	31.3	1	35.2	1
Bond .....	15,158	44.1	30	1.3	84	17.5	62	25.3	5
Boone .....	30,180	36.0	76	4.0	40	11.7	96	20.3	37
Brown .....	5,754	37.1	75	0.0	92	18.6	47	18.6	52
Bureau.....	36,163	43.3	37	4.4	33	21.3	23	17.6	64
Calhoun.....	5,367	61.6	2	7.5	5	24.7	9	29.4	2
Carroll.....	17,092	42.9	40	7.0	8	17.7	58	18.2	57
Cass .....	13,635	46.1	22	5.9	13	17.9	57	22.4	21
Champaign.....	171,983	27.2	96	3.7	48	10.8	99	12.6	96
Christian .....	34,647	39.2	63	4.6	26	16.9	69	17.6	64
Clark.....	16,020	43.7	34	1.2	85	19.3	38	23.2	14
Clay .....	14,591	54.1	3	4.1	37	27.9	6	22.0	23
Clinton .....	33,705	32.3	91	4.7	25	13.5	89	14.0	86
Coles .....	51,607	37.9	69	2.7	62	22.3	18	13.0	94
Cook.....	5,136,812	51.9	8	11.1	1	21.1	25	19.6	44
Crawford.....	19,823	45.6	24	2.0	76	25.8	7	17.8	62
Cumberland.....	10,681	42.8	43	3.7	48	18.3	50	20.8	33
De Kalb.....	76,473	26.7	98	2.4	67	11.6	97	12.8	95
De Witt.....	16,712	43.6	35	2.4	67	18.3	50	22.9	16
Douglas .....	19,471	41.1	54	2.1	74	18.6	47	20.4	36
Du Page .....	754,616	24.0	100	3.6	51	10.7	100	9.8	102
Edgar.....	19,988	52.1	7	4.0	40	29.0	4	19.1	47
Edwards .....	7,633	40.4	58	0.0	92	21.5	19	18.9	49
Effingham .....	31,338	33.1	89	1.9	78	15.9	77	15.3	82
Fayette .....	21,080	39.2	63	0.0	92	19.2	41	20.0	39
Ford.....	14,406	46.9	16	1.4	83	17.2	67	28.3	3
Franklin.....	41,111	49.2	11	3.9	44	23.1	12	22.2	22
Fulton .....	38,338	42.2	47	4.2	35	19.2	41	18.7	51
Gallatin .....	7,126	49.6	10	2.8	60	22.6	16	24.2	6
Greene .....	15,395	40.4	58	2.6	64	19.5	34	18.3	56
Grundy.....	31,811	46.7	19	7.5	5	21.0	26	18.1	58
Hamilton .....	8,618	43.9	31	4.6	26	15.4	82	23.8	11
Hancock .....	21,811	48.5	12	4.6	26	23.1	12	20.8	33
Hardin.....	5,213	37.4	73	0.0	92	17.4	63	20.0	39
Henderson.....	8,183	43.5	36	4.9	24	17.7	58	20.9	32
Henry.....	52,345	34.8	83	1.9	78	18.0	56	14.9	83
Iroquois.....	31,138	44.6	27	3.2	54	17.3	66	24.1	7
Jackson .....	61,225	30.5	94	3.9	44	12.1	93	14.4	85
Jasper.....	10,726	34.1	85	1.9	78	19.9	31	12.4	99
Jefferson.....	37,358	39.5	62	3.7	48	17.1	68	18.6	52
Jersey.....	20,342	44.3	29	5.9	13	19.5	34	19.0	48
Jo Daviess.....	22,065	42.4	46	3.6	51	17.4	63	21.4	27
Johnson.....	11,199	42.9	40	0.0	92	18.9	45	23.9	9
Kane.....	307,950	33.7	87	4.3	34	14.0	88	15.4	80
Kankakee .....	96,629	48.3	13	6.8	10	18.3	50	23.1	15
Kendall .....	38,433	24.4	99	3.1	56	8.0	102	13.2	90
Knox.....	56,890	47.3	15	6.7	11	22.7	15	17.9	61
Lake .....	499,398	28.8	95	3.9	44	12.4	92	12.5	97
La Salle .....	107,568	47.4	14	6.1	12	22.6	16	18.6	52
Lawrence.....	16,474	53.1	5	1.2	85	29.3	2	22.6	18
Lee .....	34,376	45.1	26	4.1	37	21.4	21	19.7	43
Livingston .....	39,409	42.5	44	7.6	4	16.3	72	18.6	52
Logan .....	30,834	40.9	55	4.5	32	19.3	38	17.1	68
McDonough.....	35,415	31.6	92	0.6	91	15.5	80	15.5	78
McHenry.....	174,554	33.9	86	3.9	44	14.2	87	15.8	76
McLean.....	124,464	26.8	97	2.6	64	11.9	95	12.4	99
Macon.....	120,018	38.4	67	4.2	35	16.2	74	18.0	60

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Macoupin.....	47,924	46.5	20	1.7	82	21.5	19	23.3	13
Madison.....	248,052	42.0	48	3.2	54	18.3	50	20.5	35
Marion.....	42,010	43.8	33	5.2	22	18.7	46	19.9	41
Marshall.....	12,973	34.5	84	4.6	26	14.5	85	15.4	80
Mason.....	16,605	41.3	52	2.4	67	17.4	63	21.5	26
Massac.....	14,726	37.8	70	4.1	37	20.5	27	13.2	90
Menard.....	11,226	39.6	61	7.1	7	15.5	80	16.9	70
Mercer.....	17,526	37.5	71	2.3	72	13.3	90	21.9	24
Monroe.....	21,745	39.2	63	4.6	26	15.7	79	18.9	49
Montgomery.....	30,924	38.8	66	1.9	78	19.9	31	17.0	69
Morgan.....	36,600	46.3	21	5.5	20	19.5	34	21.3	29
Moultrie.....	14,022	46.1	22	0.0	92	24.8	8	21.3	29
Ogle.....	45,608	40.7	56	7.0	8	14.5	85	19.2	46
Peoria.....	183,683	42.9	40	5.9	13	21.4	21	15.6	77
Perry.....	21,642	35.3	79	2.8	60	18.6	47	13.9	87
Piatt.....	15,647	37.5	71	0.0	92	14.7	83	22.8	17
Pike.....	17,694	42.5	44	2.3	72	17.6	60	22.6	18
Pope.....	4,408	22.7	101	0.0	92	11.0	98	11.7	101
Pulaski.....	7,734	53.7	4	2.6	64	28.5	5	22.6	18
Putnam.....	5,810	21.2	102	0.0	92	8.7	101	12.5	97
Randolph.....	34,565	41.9	49	1.2	85	16.6	70	24.1	7
Richland.....	16,981	35.3	79	1.2	85	17.6	60	16.4	75
Rock Island.....	152,337	37.3	74	4.6	26	19.6	33	13.2	90
St. Clair.....	263,910	52.8	6	5.8	16	20.5	27	26.5	4
Saline.....	27,038	46.9	16	3.0	57	29.1	3	14.8	84
Sangamon.....	177,319	40.5	57	5.6	19	18.2	54	16.6	73
Schuyler.....	7,568	45.2	25	0.0	92	23.5	11	21.7	25
Scott.....	5,669	35.5	78	3.5	53	16.4	71	15.5	78
Shelby.....	22,439	38.2	68	0.9	90	19.2	41	18.1	58
Stark.....	6,697	39.8	60	0.0	92	16.3	72	23.5	12
Stephenson.....	48,241	43.0	39	5.0	23	18.2	54	19.8	42
Tazewell.....	123,970	32.6	90	2.9	59	15.8	78	13.8	88
Union.....	17,696	49.7	9	5.7	17	20.2	29	23.9	9
Vermilion.....	89,477	43.9	31	4.0	40	23.1	12	16.9	70
Wabash.....	13,245	35.7	77	3.0	57	16.0	76	16.6	73
Warren.....	19,648	35.2	81	2.0	76	19.4	37	13.8	88
Washington.....	14,885	43.3	37	2.7	62	19.3	38	21.4	27
Wayne.....	17,544	35.0	82	5.7	17	16.2	74	13.1	93
White.....	16,962	44.5	28	2.4	67	21.2	24	21.0	31
Whiteside.....	60,788	41.8	51	5.3	21	19.0	44	17.5	66
Will.....	348,665	33.3	88	4.0	40	12.1	93	17.2	67
Williamson.....	57,654	46.8	18	2.1	74	24.4	10	20.3	37
Winnebago.....	251,711	41.2	53	8.7	3	14.7	83	17.8	62
Woodford.....	32,366	30.9	93	1.2	85	12.9	91	16.8	72
Indiana.....	5,497,852	39.6		4.8		16.8		18.1	
Adams.....	30,480	31.2	79	1.3	83	17.0	38	12.9	88
Allen.....	296,344	34.7	71	2.2	65	16.8	42	15.8	74
Bartholomew.....	63,408	35.9	64	5.0	24	15.2	62	15.7	76
Benton.....	9,515	35.0	69	2.1	69	16.9	41	16.0	71
Blackford.....	14,346	41.2	32	8.4	3	18.3	29	14.5	83
Boone.....	37,619	38.8	47	4.8	26	15.8	55	18.2	48
Brown.....	13,631	30.9	81	2.9	52	14.0	72	14.0	86
Carroll.....	18,739	35.9	64	0.0	89	16.4	47	19.4	30
Cass.....	38,647	37.6	54	3.6	41	17.3	35	16.8	64
Clark.....	87,604	40.6	38	6.4	13	16.6	43	17.6	56
Clay.....	24,546	47.6	9	0.8	87	27.7	1	19.1	36
Clinton.....	30,770	41.1	35	2.6	56	19.7	13	18.8	41
Crawford.....	9,968	49.5	3	4.0	34	18.4	27	27.1	4

Table 2

**Unadjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Daviess.....	27,561	43.1	24	2.2	65	22.9	3	18.0	52
Dearborn.....	37,823	39.1	45	6.3	15	14.6	65	18.1	50
Decatur.....	23,435	37.2	55	1.7	76	15.5	57	20.0	23
De Kalb.....	34,443	34.6	72	2.3	64	14.3	68	18.0	52
Delaware.....	120,242	34.0	74	1.7	76	15.3	61	17.1	60
Dubois.....	35,991	30.1	86	3.3	45	14.3	68	12.5	89
Elkhart.....	151,835	35.0	69	3.3	45	12.6	81	19.2	32
Fayette.....	26,492	30.3	84	0.8	87	14.2	70	15.3	78
Floyd.....	63,291	38.5	49	5.4	20	16.4	47	16.7	65
Fountain.....	18,018	43.1	24	3.3	45	22.8	5	16.9	62
Franklin.....	19,528	33.4	76	5.1	23	13.1	76	15.1	79
Fulton.....	18,790	42.8	27	6.4	13	15.4	59	21.1	20
Gibson.....	32,142	36.1	63	1.9	72	17.2	37	17.0	61
Grant.....	75,145	44.3	20	7.2	9	18.4	27	18.7	44
Greene.....	30,232	47.8	8	4.0	34	17.3	35	26.6	6
Hamilton.....	101,459	22.9	92	2.2	65	9.4	92	11.4	92
Hancock.....	44,770	30.3	84	2.2	65	12.6	81	15.5	77
Harrison.....	29,286	39.6	41	6.8	10	12.8	79	20.0	23
Hendricks.....	74,079	29.7	88	1.9	72	12.9	78	14.9	81
Henry.....	48,668	45.2	15	6.6	12	19.5	17	19.1	36
Howard.....	82,233	36.4	61	3.4	43	17.0	38	16.0	71
Huntington.....	35,020	40.7	37	2.9	52	19.7	13	18.2	48
Jackson.....	37,453	35.4	68	1.1	85	16.4	47	17.9	55
Jasper.....	25,099	39.5	42	2.4	58	15.6	56	21.6	17
Jay.....	21,544	41.2	32	3.7	39	12.0	85	25.5	8
Jefferson.....	29,466	44.8	17	5.4	20	20.4	10	19.0	39
Jennings.....	23,248	36.4	61	3.4	43	15.5	57	17.5	57
Johnson.....	85,760	30.1	86	4.0	34	11.8	87	14.3	84
Knox.....	40,377	37.7	53	3.5	42	19.4	19	14.8	82
Kosciusko.....	63,907	37.1	58	2.8	54	14.4	67	19.9	25
Lagrange.....	28,645	28.3	89	0.0	89	12.3	83	16.0	71
Lake.....	479,217	45.2	15	4.5	28	19.6	16	21.1	20
La Porte.....	106,662	42.9	26	2.4	58	21.0	8	19.5	28
Lawrence.....	42,428	42.4	29	3.8	37	19.2	21	19.5	28
Madison.....	131,344	45.9	13	7.8	5	17.0	38	21.2	19
Marion.....	788,000	47.2	12	10.5	1	17.7	32	19.0	39
Marshall.....	41,481	34.4	73	1.0	86	15.4	59	18.0	52
Martin.....	10,391	30.8	82	3.8	37	13.1	76	13.9	87
Miami.....	37,308	36.8	59	2.1	69	16.5	46	18.1	50
Monroe.....	106,658	24.2	91	1.9	72	10.4	91	12.0	90
Montgomery.....	34,505	37.2	55	1.7	76	18.8	24	16.6	66
Morgan.....	54,849	33.8	75	3.3	45	12.0	85	18.5	45
Newton.....	13,618	39.5	42	0.0	89	12.2	84	27.3	3
Noble.....	37,232	40.2	40	2.1	69	16.6	43	21.5	18
Ohio.....	5,222	36.8	59	7.7	6	11.7	89	17.4	58
Orange.....	18,457	39.5	42	4.3	30	16.0	53	19.1	36
Owen.....	16,763	37.2	55	2.4	58	16.0	53	18.8	41
Parke.....	15,552	45.6	14	2.6	56	12.7	80	30.3	2
Perry.....	19,111	44.2	21	0.0	89	20.2	11	24.0	10
Pike.....	12,705	49.4	4	3.1	50	22.1	6	24.2	9
Porter.....	126,239	32.2	78	2.4	58	13.5	73	16.3	69
Posey.....	25,900	30.8	82	1.5	81	13.2	75	16.1	70
Pulaski.....	12,732	62.6	1	4.7	27	19.0	22	38.9	1
Putnam.....	30,176	38.5	49	8.0	4	16.3	50	14.3	84
Randolph.....	27,593	35.6	66	1.4	82	14.2	70	19.9	25
Ripley.....	24,556	35.6	66	1.6	79	19.0	22	15.0	80
Rush.....	18,300	48.5	6	7.7	6	18.6	26	22.3	14
St. Joseph.....	244,364	44.4	19	5.6	19	19.9	12	18.8	41
Scott.....	20,737	43.6	23	6.8	10	19.7	13	17.2	59
Shelby.....	39,995	40.5	39	5.0	24	18.7	25	16.9	62

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Spencer.....	19,465	38.6	48	4.1	32	14.7	64	19.8	27
Starke.....	22,238	49.1	5	2.7	55	19.3	20	27.1	4
Steuben.....	26,576	42.8	27	4.5	28	11.8	87	26.5	7
Sullivan.....	19,357	48.4	7	6.2	16	22.9	3	19.4	30
Switzerland.....	7,645	53.8	2	5.2	22	25.6	2	23.0	12
Tippecanoe.....	128,439	28.2	90	3.1	50	13.4	74	11.8	91
Tipton.....	16,112	41.1	35	1.2	84	17.7	32	22.2	15
Union.....	6,958	44.5	18	5.7	17	16.6	43	22.2	15
Vanderburgh.....	165,211	43.9	22	7.4	8	20.7	9	15.8	74
Vermillion.....	16,950	47.3	10	2.4	58	21.3	7	23.6	11
Vigo.....	107,150	42.0	31	4.1	32	19.5	17	18.4	46
Wabash.....	34,922	42.2	30	5.7	17	17.4	34	19.2	32
Warren.....	8,238	41.2	32	2.4	58	16.2	51	22.6	13
Warrick.....	44,249	31.0	80	1.8	75	10.9	90	18.4	46
Washington.....	23,189	38.4	51	4.3	30	14.9	63	19.2	32
Wayne.....	71,975	38.0	52	3.3	45	18.3	29	16.4	68
Wells.....	25,258	32.6	77	1.6	79	14.5	66	16.5	67
White.....	23,110	47.3	10	8.7	2	18.0	31	20.6	22
Whitley.....	27,111	39.0	46	3.7	39	16.2	51	19.2	32
Iowa.....	2,775,244	39.0		4.7		17.6		16.7	
Adair.....	8,543	43.7	41	7.0	16	19.1	55	17.6	55
Adams.....	4,995	40.4	56	0.0	94	22.0	28	18.3	46
Allamakee.....	14,012	67.2	1	7.1	13	29.5	2	30.6	1
Appanoose.....	13,824	61.3	5	4.3	49	27.8	5	29.2	4
Audubon.....	7,520	37.3	77	0.0	94	25.1	14	12.3	91
Benton.....	22,314	43.0	44	8.1	6	15.0	87	19.9	32
Black Hawk.....	125,148	33.3	91	5.8	29	15.3	84	12.3	91
Boone.....	25,135	38.0	72	4.0	54	19.0	56	15.0	76
Bremer.....	23,090	37.4	76	3.5	60	18.5	64	15.4	69
Buchanan.....	20,935	36.3	83	8.6	3	12.7	94	15.0	76
Buena Vista.....	20,058	42.6	46	5.0	41	22.0	28	15.6	67
Butler.....	15,965	43.0	44	6.3	23	18.2	68	18.5	44
Calhoun.....	11,665	59.9	6	6.9	17	26.1	9	26.9	6
Carroll.....	21,510	40.2	59	7.4	10	17.1	75	15.7	65
Cass.....	15,410	51.4	16	5.2	37	25.5	13	20.7	25
Cedar.....	17,549	32.2	93	0.0	94	17.0	78	15.2	73
Cerro Gordo.....	46,933	39.0	67	8.1	6	19.6	52	11.3	95
Cherokee.....	14,413	44.9	32	5.6	31	21.8	30	17.5	57
Chickasaw.....	13,685	40.3	57	5.8	29	20.3	43	14.1	86
Clarke.....	8,198	39.5	62	2.4	79	16.0	81	21.1	20
Clay.....	17,844	34.6	89	5.6	31	20.4	41	8.6	99
Clayton.....	19,305	51.9	14	4.1	51	25.9	11	21.9	16
Clinton.....	51,469	44.6	34	3.5	60	20.6	38	20.5	26
Crawford.....	17,066	37.7	73	4.7	46	15.3	84	17.7	54
Dallas.....	29,243	39.5	62	4.1	51	16.0	81	19.4	36
Davis.....	8,459	51.6	15	7.1	13	25.9	11	18.6	41
Decatur.....	8,523	36.2	84	2.3	81	18.9	58	15.0	76
Delaware.....	18,157	35.9	85	5.5	33	18.4	67	12.1	94
Des Moines.....	42,693	46.1	25	5.2	37	22.5	25	18.4	45
Dickinson.....	14,831	43.2	43	4.0	54	21.6	31	17.6	55
Dubuque.....	86,667	35.4	86	4.2	50	17.8	72	13.4	89
Emmet.....	11,668	38.8	68	6.9	17	17.1	75	14.8	79
Fayette.....	22,359	45.7	27	4.5	48	18.0	70	23.2	14
Floyd.....	17,365	43.9	39	4.6	47	23.6	21	15.7	65
Franklin.....	11,630	37.6	74	1.7	90	20.6	38	15.2	73
Fremont.....	8,372	52.0	12	0.0	94	26.2	8	25.8	7
Greene.....	10,388	45.9	26	1.9	86	19.9	45	24.0	12
Grundy.....	12,375	25.4	97	3.2	64	11.2	96	10.9	96



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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Guthrie.....	11,074	45.5	29	5.4	36	23.7	20	16.3	64
Hamilton .....	16,222	46.3	24	4.9	42	21.6	31	19.7	34
Hancock .....	12,699	35.3	88	0.0	94	17.5	73	17.8	53
Hardin.....	19,623	39.9	61	7.1	13	19.0	56	13.7	87
Harrison.....	14,813	42.2	48	2.7	72	18.5	64	21.0	22
Henry.....	19,000	36.4	82	3.2	64	16.7	79	16.5	62
Howard.....	9,980	58.2	7	16.0	1	22.1	27	20.0	29
Humboldt.....	10,947	36.9	79	1.8	88	20.9	34	14.2	83
Ida .....	8,465	52.6	11	2.4	79	26.0	10	24.2	11
Iowa.....	14,716	33.6	90	2.7	72	18.8	61	12.2	93
Jackson .....	20,290	53.8	10	7.9	8	22.7	23	23.2	14
Jasper.....	34,580	38.7	69	2.9	70	17.2	74	18.6	41
Jefferson.....	16,119	38.3	70	2.5	78	19.4	54	16.4	63
Johnson.....	92,644	21.9	98	2.6	76	9.1	98	10.2	97
Jones.....	19,442	41.9	49	6.2	25	15.8	83	20.0	29
Keokuk .....	11,803	48.5	19	5.1	39	18.2	68	25.2	10
Kossuth .....	19,032	41.6	50	6.3	23	17.1	75	18.2	47
Lee .....	39,247	44.0	37	5.1	39	19.7	50	19.2	38
Linn .....	166,323	31.4	94	4.0	54	14.4	91	13.0	90
Louisa.....	11,541	42.6	46	6.9	17	16.1	80	19.6	35
Lucas.....	9,254	56.4	8	6.5	21	24.3	17	25.6	9
Lyon.....	12,053	41.4	53	8.3	4	18.9	58	14.2	83
Madison.....	12,317	41.5	51	3.2	64	20.8	36	17.5	57
Mahaska.....	21,494	44.7	33	1.9	86	22.6	24	20.3	27
Marion.....	29,496	39.3	64	2.0	83	17.9	71	19.4	36
Marshall.....	38,772	43.8	40	6.2	25	19.7	50	17.9	51
Mills .....	13,080	37.6	74	3.1	68	14.8	88	19.8	33
Mitchell.....	11,065	47.2	22	3.6	59	24.8	16	18.9	39
Monona .....	10,214	64.0	2	2.0	83	32.3	1	29.7	2
Monroe.....	8,224	62.0	4	9.7	2	28.3	3	24.0	12
Montgomery .....	12,200	45.2	31	3.3	63	20.4	41	21.6	17
Muscatine.....	39,788	41.5	51	2.0	83	18.5	64	21.0	22
O'Brien.....	15,609	39.1	66	3.8	58	19.9	45	15.3	72
Osceola .....	7,432	36.8	80	2.7	72	13.3	92	20.8	24
Page.....	17,130	43.7	41	8.2	5	20.1	44	15.4	69
Palo Alto.....	10,997	40.6	55	1.8	88	24.0	18	14.8	79
Plymouth .....	23,276	36.8	80	2.6	76	19.8	47	14.4	82
Pocahontas .....	9,871	63.0	3	6.1	27	27.5	6	29.5	3
Polk .....	318,178	39.2	65	6.5	21	14.8	88	17.9	51
Pottawattamie.....	82,722	37.2	78	4.1	51	14.5	90	18.6	41
Poweshiek.....	18,778	38.2	71	1.1	92	18.9	58	18.2	47
Ringgold.....	5,484	44.0	37	7.3	11	19.8	47	16.8	60
Sac .....	12,497	44.1	36	3.2	64	20.9	34	20.0	29
Scott.....	151,484	33.3	91	4.0	54	15.1	86	14.2	83
Shelby .....	13,472	45.5	29	5.9	28	21.5	33	18.1	50
Sioux.....	29,802	26.9	96	1.3	91	12.1	95	13.5	88
Story.....	73,461	21.4	99	3.0	69	9.0	99	9.4	98
Tama.....	17,715	47.8	20	3.4	62	22.8	22	21.6	17
Taylor.....	7,311	54.0	9	2.7	72	22.2	26	29.1	5
Union.....	12,857	48.7	18	7.8	9	20.7	37	20.2	28
Van Buren .....	7,732	46.4	23	0.0	94	20.6	38	25.8	7
Wapello.....	36,453	50.6	17	5.5	33	26.9	7	18.2	47
Warren.....	36,287	27.6	95	1.1	92	11.1	97	15.4	69
Washington .....	19,465	40.3	57	2.1	82	19.6	52	18.7	40
Wayne.....	7,268	45.6	28	2.8	71	28.3	3	14.6	81
Webster.....	40,878	47.7	21	6.8	20	19.8	47	21.1	20
Winnebago.....	12,200	35.4	86	4.9	42	13.1	93	17.4	59
Winneshiek.....	20,905	40.2	59	4.8	45	18.7	62	16.7	61
Woodbury.....	97,457	41.1	54	7.2	12	18.7	62	15.2	73
Worth.....	8,134	44.2	35	4.9	42	23.8	19	15.5	68

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Wright .....	14,552	52.0	12	5.5	33	24.9	15	21.6	17
Kansas.....	2,458,327	39.3		4.6		16.2		18.5	
Allen .....	15,075	57.4	15	8.0	18	23.1	36	26.3	26
Anderson .....	7,921	46.3	56	5.0	44	17.4	71	23.9	32
Atchison .....	17,169	47.2	50	3.5	63	18.9	62	24.8	30
Barber.....	6,224	39.0	88	3.2	69	16.7	76	19.1	67
Barton.....	30,760	38.5	89	3.3	67	16.7	76	18.6	73
Bourbon.....	15,285	46.6	54	2.6	75	22.2	42	21.7	51
Brown.....	11,178	54.5	21	8.9	14	20.6	53	25.0	29
Butler.....	49,188	40.6	83	4.5	55	13.1	94	23.0	43
Chase.....	3,060	40.1	85	0.0	84	20.5	54	19.6	65
Chautauqua.....	4,531	81.6	2	13.2	5	31.2	7	37.2	4
Cherokee.....	21,613	54.2	22	7.4	21	20.5	54	26.4	23
Cheyenne.....	3,383	68.6	7	11.8	8	21.2	47	35.6	5
Clark.....	2,485	67.9	8	8.0	18	25.0	25	34.9	6
Clay.....	9,289	43.0	71	2.2	81	24.7	28	16.1	90
Cloud.....	11,315	50.3	37	3.5	63	29.3	11	17.5	82
Coffey.....	8,567	50.4	36	2.3	79	22.4	41	25.7	28
Comanche.....	2,390	52.7	28	16.7	1	36.0	2	0.0	105
Cowley.....	36,847	45.3	61	3.8	59	23.2	35	18.3	77
Crawford.....	36,236	50.0	40	5.0	44	21.2	47	23.8	35
Decatur.....	4,161	52.6	30	4.8	48	27.9	14	19.9	62
Dickinson.....	19,068	45.8	57	1.0	83	25.6	21	19.1	67
Doniphan.....	8,354	47.8	49	2.4	77	26.7	16	18.8	71
Douglas.....	78,626	23.8	104	2.3	79	10.0	98	11.6	103
Edwards.....	3,867	56.4	16	5.2	40	27.3	15	23.9	32
Elk.....	3,437	70.4	4	0.0	84	30.7	8	39.6	3
Ellis.....	26,639	32.5	97	4.5	55	16.0	82	12.0	102
Ellsworth.....	6,612	59.4	12	6.0	33	35.9	3	17.4	83
Finney.....	31,967	32.4	99	3.8	59	8.7	103	20.0	61
Ford.....	27,322	44.7	62	5.1	43	15.6	84	23.9	32
Franklin.....	21,860	41.3	79	3.7	61	17.0	73	20.7	57
Geary.....	30,802	51.4	33	5.8	35	16.3	81	29.2	15
Gove.....	3,346	35.7	93	0.0	84	14.8	87	20.9	56
Graham.....	3,746	40.2	84	5.3	38	18.8	63	16.0	91
Grant.....	7,059	42.9	72	8.5	15	6.3	104	28.0	17
Gray.....	5,331	37.2	90	0.0	84	16.7	76	20.6	58
Greeley.....	1,803	50.5	35	0.0	84	29.1	12	21.4	53
Greenwood.....	8,074	64.7	10	12.4	7	25.1	24	27.1	22
Hamilton.....	2,483	42.8	73	0.0	84	20.5	54	22.3	47
Harper.....	7,293	56.0	17	0.0	84	26.6	17	29.5	14
Harvey.....	30,985	40.7	82	4.5	55	17.5	69	18.7	72
Haskell.....	3,900	47.0	51	0.0	84	19.1	59	27.8	19
Hodgeman.....	2,209	69.4	6	9.1	12	17.5	69	42.8	1
Jackson.....	11,548	50.0	40	3.5	63	16.5	80	30.0	11
Jefferson.....	15,596	51.0	34	7.7	20	16.9	74	26.4	23
Jewell.....	4,534	50.1	39	0.0	84	22.2	42	28.0	17
Johnson.....	335,699	24.6	103	2.9	73	9.5	102	12.2	101
Kearny.....	3,951	51.6	32	0.0	84	19.1	59	32.5	8
Kingman.....	8,433	43.2	70	0.0	84	24.3	31	18.9	70
Kiowa.....	3,795	48.2	46	5.3	38	21.1	50	21.8	49
Labette.....	24,223	45.6	59	5.0	44	22.9	38	17.7	80
Lane.....	2,406	55.1	19	8.3	16	25.5	23	21.3	54
Leavenworth.....	62,221	34.7	94	6.8	27	13.0	95	14.9	93
Lincoln.....	3,753	86.8	1	10.7	10	33.3	6	42.8	1
Linn.....	8,203	53.8	23	7.3	22	16.7	76	29.8	12
Logan.....	3,204	64.9	9	12.5	6	24.5	29	27.8	19
Lyon.....	34,950	32.2	100	3.4	66	13.9	92	14.9	93

Table 2

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
McPherson .....	27,485	33.7	95	1.5	82	19.1	59	13.2	98
Marion .....	13,039	48.2	46	4.6	52	19.9	57	23.7	36
Marshall .....	12,011	52.9	26	5.0	44	24.4	30	23.5	38
Meade .....	4,362	53.7	24	4.6	52	28.6	13	20.5	59
Miami .....	22,848	46.8	53	6.1	32	14.3	90	26.4	23
Mitchell .....	7,434	52.9	26	8.1	17	25.0	25	19.8	63
Montgomery .....	39,509	48.4	45	7.1	26	21.7	44	19.7	64
Morris .....	6,182	47.9	48	3.2	69	26.5	18	18.1	78
Morton .....	3,513	43.7	68	0.0	84	9.7	100	34.0	7
Nemaha .....	10,598	53.6	25	5.7	36	23.7	33	24.3	31
Neosho .....	17,530	49.0	43	6.8	27	21.0	51	21.2	55
Ness .....	4,222	58.4	14	4.7	49	22.5	40	31.2	10
Norton .....	6,130	42.7	74	3.3	67	16.8	75	22.7	44
Osage .....	15,197	37.1	91	2.6	75	18.7	64	15.8	92
Osborne .....	5,094	49.4	42	0.0	84	35.6	5	13.8	97
Ottawa .....	5,708	59.6	11	14.0	4	26.4	19	19.1	67
Pawnee .....	7,677	41.1	80	5.2	40	12.3	96	23.6	37
Phillips .....	6,703	44.7	62	6.0	33	21.2	47	17.6	81
Pottawatomie .....	15,826	39.4	86	6.3	30	14.5	88	18.6	73
Pratt .....	10,109	33.1	96	0.0	84	15.7	83	17.3	85
Rawlins .....	3,549	45.5	60	5.6	37	25.8	20	14.1	95
Reno .....	63,317	42.1	76	6.3	30	18.5	65	17.3	85
Republic .....	6,693	77.6	3	9.0	13	45.3	1	23.3	40
Rice .....	10,909	52.7	28	7.3	22	23.3	34	22.1	48
Riley .....	66,816	15.9	105	3.0	71	6.3	104	6.6	104
Rooks .....	6,406	44.5	65	0.0	84	14.9	86	29.6	13
Rush .....	4,088	41.7	78	0.0	84	25.0	25	16.6	89
Russell .....	8,244	41.8	77	0.0	84	24.3	31	17.4	83
Saline .....	49,317	39.4	86	7.3	22	14.2	91	17.9	79
Scott .....	5,502	32.5	97	0.0	84	18.5	65	14.0	96
Sedgwick .....	395,563	36.3	92	4.7	49	14.5	88	17.1	87
Seward .....	18,849	43.7	68	10.6	11	9.8	99	23.3	40
Shawnee .....	159,185	40.8	81	6.4	29	17.6	68	16.8	88
Sheridan .....	3,174	29.5	101	0.0	84	17.1	72	12.4	100
Sherman .....	7,123	54.7	20	11.2	9	12.0	97	31.5	9
Smith .....	5,269	70.3	5	15.2	2	35.9	3	19.2	66
Stafford .....	5,562	58.5	13	7.2	25	29.5	10	21.8	49
Stanton .....	2,356	42.5	75	0.0	84	15.2	85	27.3	21
Stevens .....	4,997	44.4	66	0.0	84	20.9	52	23.5	38
Sumner .....	25,651	46.9	52	3.9	58	21.3	46	21.7	51
Thomas .....	8,420	28.5	102	2.4	77	13.3	93	12.8	99
Trego .....	3,832	55.4	18	5.2	40	30.1	9	20.1	60
Wabaunsee .....	6,664	44.6	64	3.0	71	19.2	58	22.4	46
Wallace .....	1,844	50.3	37	0.0	84	21.5	45	28.8	16
Washington .....	7,266	44.3	67	2.8	74	23.0	37	18.6	73
Wichita .....	2,787	46.4	55	14.4	3	9.6	101	22.5	45
Wilson .....	10,766	52.6	30	3.7	61	25.6	21	23.2	42
Woodson .....	4,281	45.8	57	4.7	49	22.7	39	18.5	76
Wyandotte .....	164,743	48.9	44	4.6	52	18.4	67	25.9	27
Kentucky .....	3,683,114	44.3		5.8		17.4		21.1	
Adair .....	15,454	41.6	91	1.3	110	17.5	65	22.8	71
Allen .....	14,707	54.3	24	4.1	74	24.6	8	25.6	50
Anderson .....	14,194	36.3	109	2.8	96	13.7	94	19.8	95
Ballard .....	8,021	53.2	31	2.5	103	26.3	7	24.4	61
Barren .....	33,925	43.6	80	0.6	113	20.0	32	23.0	68
Bath .....	9,759	58.1	16	8.2	16	23.5	10	26.4	41
Bell .....	32,245	51.9	35	5.0	57	19.2	40	27.8	32
Boone .....	54,771	29.3	118	2.6	101	10.6	116	16.2	112

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Bourbon.....	19,302	56.0	20	5.2	52	21.6	22	29.2	25
Boyd.....	51,867	39.5	98	7.3	28	17.8	61	14.4	119
Boyle.....	25,453	50.0	44	7.1	30	22.2	16	20.7	89
Bracken.....	7,733	55.0	23	5.2	52	19.3	37	30.6	19
Breathitt.....	15,972	57.2	17	7.5	23	22.5	13	27.2	36
Breckinridge.....	16,396	46.9	61	3.7	80	22.6	12	20.6	90
Bullitt.....	46,466	26.3	120	1.3	110	8.9	120	16.1	114
Butler.....	11,179	49.1	50	0.0	114	15.6	79	33.5	10
Caldwell.....	13,353	53.4	30	1.5	108	29.4	1	22.5	74
Calloway.....	29,998	47.6	59	6.0	43	19.0	44	22.6	73
Campbell.....	83,092	41.5	92	7.2	29	18.8	47	15.5	115
Carlisle.....	5,317	51.0	37	7.5	23	24.6	8	19.0	101
Carroll.....	9,230	56.4	18	8.7	10	18.5	53	29.3	24
Carter.....	24,518	40.4	95	4.1	74	14.3	87	22.0	77
Casey.....	14,435	55.2	22	6.9	34	22.4	14	25.9	48
Christian.....	68,706	43.9	79	6.4	39	13.9	92	23.6	65
Clark.....	29,165	44.4	76	6.2	41	15.2	82	23.0	68
Clay.....	22,154	54.0	28	6.3	40	15.5	80	32.1	14
Clinton.....	9,320	62.1	8	19.3	1	12.8	103	30.0	20
Crittenden.....	9,164	54.2	25	4.4	69	17.7	63	32.1	14
Cumberland.....	6,960	63.4	5	2.9	92	21.3	25	39.3	2
Daviess.....	87,081	43.3	81	5.1	55	19.2	40	19.1	100
Edmonson.....	10,627	50.2	41	7.5	23	18.0	58	24.7	56
Elliott.....	6,490	40.4	95	9.2	7	12.2	108	19.0	101
Estill.....	14,679	49.3	47	1.4	109	17.9	59	30.0	20
Fayette.....	219,928	38.5	101	7.6	21	14.2	88	16.7	111
Fleming.....	12,272	54.1	26	4.9	60	22.2	16	27.1	37
Floyd.....	45,009	47.2	60	5.8	47	16.8	72	24.6	60
Franklin.....	43,457	34.9	114	4.6	65	12.8	103	17.5	107
Fulton.....	8,396	64.7	3	4.8	61	21.6	22	38.4	3
Gallatin.....	5,173	47.7	58	3.9	77	16.4	74	27.4	33
Garrard.....	11,515	44.1	77	3.5	82	19.2	40	21.5	83
Grant.....	15,089	49.4	46	6.6	35	21.6	22	21.2	86
Graves.....	33,442	53.1	33	6.0	43	22.1	18	25.0	53
Grayson.....	20,897	41.3	93	5.7	49	17.5	65	18.1	104
Green.....	10,518	35.1	112	0.0	114	14.6	86	20.5	92
Greenup.....	36,960	35.5	110	3.8	79	14.2	88	17.5	107
Hancock.....	7,915	39.2	100	7.6	21	12.5	107	19.2	98
Hardin.....	91,739	36.4	107	4.4	69	11.8	113	20.3	94
Harlan.....	38,148	50.9	38	5.8	47	19.5	36	25.6	50
Harrison.....	16,111	58.9	12	5.0	57	27.9	4	26.0	45
Hart.....	15,104	48.4	52	2.6	101	18.7	48	27.1	37
Henderson.....	42,765	42.3	89	6.5	38	17.0	70	18.7	103
Henry.....	12,841	60.6	9	10.9	3	16.0	76	33.7	9
Hickman.....	5,692	63.3	6	7.0	32	28.3	2	28.0	30
Hopkins.....	46,212	46.6	63	4.3	71	19.0	44	23.3	67
Jackson.....	11,966	49.2	49	3.3	86	14.8	83	31.1	17
Jefferson.....	668,875	45.1	72	8.4	15	19.9	34	16.8	110
Jessamine.....	29,478	36.4	107	2.0	107	13.1	101	21.3	84
Johnson.....	23,912	39.5	98	2.5	103	17.2	67	19.8	95
Kenton.....	140,165	42.7	86	8.6	11	18.7	48	15.4	117
Knott.....	18,080	37.5	103	1.1	112	10.0	119	26.4	41
Knox.....	29,767	40.0	97	3.4	83	14.7	85	21.9	80
Larue.....	11,737	42.5	87	3.4	83	18.6	50	20.6	90
Laurel.....	42,624	38.5	101	3.3	86	13.2	99	22.0	77
Lawrence.....	14,036	48.4	52	8.5	13	13.8	93	26.0	45
Lee.....	7,608	45.6	68	5.3	51	11.9	111	28.4	27
Leslie.....	13,897	55.4	21	4.3	71	17.7	63	33.4	11
Letcher.....	27,741	44.0	78	2.9	92	18.4	56	22.7	72
Lewis.....	13,290	50.5	39	7.5	23	18.6	50	24.4	61

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Lincoln .....	19,874	56.2	19	7.0	32	21.7	21	27.4	33
Livingston .....	9,130	47.8	56	0.0	114	20.7	28	27.1	37
Logan .....	24,453	50.1	43	7.4	27	21.9	19	20.9	88
Lyon .....	6,552	58.6	13	3.1	89	28.3	2	27.3	35
McCracken .....	62,410	50.2	41	4.8	61	20.8	27	24.7	56
McCreary .....	15,761	42.1	90	0.0	114	14.2	88	27.9	31
McLean .....	9,706	42.4	88	2.1	106	19.3	37	21.0	87
Madison .....	56,133	35.4	111	5.0	57	12.6	106	17.9	105
Magoffin .....	13,373	54.1	26	4.5	67	12.1	109	37.5	4
Marion .....	16,869	53.9	29	9.5	5	18.5	53	25.9	48
Marshall .....	26,725	45.3	70	3.0	91	17.2	67	25.2	52
Martin .....	13,003	46.5	65	4.6	65	11.0	115	30.9	18
Mason .....	16,704	52.1	34	9.6	4	20.9	26	21.6	82
Meade .....	23,680	32.8	117	5.1	55	10.2	118	17.5	107
Menifee .....	5,088	59.8	10	7.9	18	17.8	61	34.1	8
Mercer .....	19,080	51.2	36	4.2	73	18.9	46	28.1	28
Metcalfe .....	9,034	58.3	15	8.9	9	19.8	35	29.7	22
Monroe .....	11,597	63.7	4	8.6	11	26.4	6	28.7	26
Montgomery .....	19,680	46.1	67	7.1	30	17.1	69	22.0	77
Morgan .....	11,772	43.1	83	3.4	83	14.8	83	25.0	53
Muhlenberg .....	31,706	45.4	69	3.2	88	20.1	31	22.1	75
Nelson .....	29,341	44.5	75	4.1	74	18.6	50	21.7	81
Nicholas .....	6,807	34.3	116	2.9	92	15.8	78	15.5	115
Ohio .....	21,375	43.0	85	2.8	96	15.3	81	25.0	53
Oldham .....	31,660	29.3	118	2.5	103	10.6	116	16.2	112
Owen .....	9,015	46.5	65	0.0	114	21.8	20	24.7	56
Owsley .....	5,204	58.5	14	7.7	19	13.6	97	37.1	5
Pendleton .....	11,708	45.2	71	8.5	13	12.0	110	24.7	56
Perry .....	31,186	49.3	47	4.5	67	11.9	111	32.9	13
Pike .....	75,062	43.1	83	2.7	99	16.3	75	24.2	63
Powell .....	11,577	36.8	105	0.0	114	12.7	105	24.1	64
Pulaski .....	48,952	45.1	72	2.9	92	19.3	37	22.9	70
Robertson .....	2,145	73.8	1	9.3	6	27.7	5	36.7	6
Rockcastle .....	14,723	47.8	56	2.7	99	19.1	43	26.1	44
Rowan .....	20,050	37.5	103	6.0	43	18.1	57	13.4	120
Russell .....	14,489	70.3	2	11.0	2	22.9	11	36.4	7
Scott .....	23,236	35.0	113	6.0	43	13.7	94	15.4	117
Shelby .....	24,250	46.6	63	6.6	35	17.9	59	22.1	75
Simpson .....	15,123	49.9	45	6.6	35	16.9	71	26.4	41
Spencer .....	6,589	50.4	40	6.1	42	11.4	114	33.0	12
Taylor .....	21,127	43.2	82	4.7	63	20.5	29	17.9	105
Todd .....	10,976	62.9	7	5.5	50	14.2	88	43.2	1
Trigg .....	10,235	48.4	52	3.9	77	18.5	53	26.0	45
Trimble .....	6,094	34.4	115	0.0	114	13.1	101	21.3	84
Union .....	16,866	44.6	74	4.7	63	20.3	30	19.6	97
Warren .....	77,359	40.9	94	5.2	52	16.5	73	19.2	98
Washington .....	10,405	59.0	11	7.7	19	20.0	32	31.2	16
Wayne .....	17,405	48.1	55	8.0	17	13.4	98	26.6	40
Webster .....	14,263	48.8	51	2.8	96	22.4	14	23.6	65
Whitley .....	33,544	46.9	61	3.6	81	13.7	94	29.6	23
Wolfe .....	6,596	53.2	31	9.1	8	15.9	77	28.1	28
Woodford .....	19,330	36.8	105	3.1	89	13.2	99	20.5	92
Louisiana .....	4,302,944	46.0		4.9		16.7		24.3	
Acadia .....	57,297	44.2	36	1.7	56	20.4	18	22.0	45
Allen .....	21,487	52.2	22	5.6	12	24.6	5	22.0	45
Ascension .....	58,109	36.8	55	2.1	53	12.1	56	22.7	41
Assumption .....	23,141	38.4	52	1.7	56	10.6	62	26.1	26
Avoyelles .....	40,332	46.9	27	3.5	39	18.9	25	24.5	31

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Beauregard .....	30,706	44.6	34	5.2	14	16.8	35	22.5	42
Bienville .....	16,299	63.4	4	4.9	18	24.7	4	33.7	5
Bossier .....	87,506	36.5	57	3.9	31	11.7	59	20.9	51
Caddo.....	254,362	54.5	15	9.0	3	18.2	31	27.4	20
Calcasieu.....	169,421	40.2	46	5.1	15	14.7	46	20.3	54
Caldwell.....	10,189	42.4	40	0.0	63	12.8	53	29.7	12
Cameron.....	9,547	43.0	38	4.2	24	14.1	48	24.7	30
Catahoula.....	11,573	53.7	18	3.5	39	21.0	16	29.2	14
Claiborne.....	17,794	58.1	8	6.7	9	24.0	7	27.3	21
Concordia.....	21,783	40.7	44	3.7	36	14.9	44	22.1	44
De Soto .....	26,143	54.9	14	6.9	8	22.0	13	26.0	27
East Baton Rouge .....	384,727	35.9	59	4.2	24	12.6	54	19.1	58
East Carroll.....	10,162	59.0	7	11.8	1	20.3	19	26.9	24
East Feliciana.....	19,536	54.1	16	4.1	27	17.9	32	32.2	6
Evangeline .....	34,039	44.7	33	3.5	39	18.3	28	22.9	39
Franklin.....	23,065	49.7	23	1.7	56	24.4	6	23.6	35
Grant .....	17,649	49.4	24	3.4	43	19.3	23	26.8	25
Iberia .....	69,437	41.4	42	3.5	39	16.0	39	22.0	45
Iberville.....	31,889	46.4	29	3.8	33	23.5	10	19.2	57
Jackson .....	16,320	44.1	37	1.2	59	22.8	11	20.1	55
Jefferson.....	456,516	38.8	49	4.0	29	15.0	43	19.8	56
Jefferson Davis.....	31,649	42.6	39	3.2	46	18.6	27	20.8	53
Lafayette .....	167,946	36.3	58	4.8	19	14.2	47	17.4	60
Lafourche .....	86,996	39.8	47	3.4	43	12.1	56	24.2	34
La Salle .....	14,587	53.4	19	2.7	48	24.8	2	25.8	28
Lincoln.....	42,146	35.1	60	2.4	50	16.3	37	16.4	63
Livingston .....	70,545	38.2	53	2.3	51	11.4	61	24.5	31
Madison.....	13,304	63.3	5	7.5	7	24.8	2	31.0	8
Morehouse.....	33,061	44.9	32	4.2	24	19.8	21	20.9	51
Natchitoches.....	37,841	57.7	9	4.8	19	24.0	7	28.9	16
Orleans.....	517,433	69.7	1	9.7	2	23.9	9	36.1	2
Ouachita.....	143,572	36.8	55	3.8	33	14.8	45	18.2	59
Plaquemines.....	25,973	46.7	28	3.9	31	12.1	56	30.8	9
Pointe Coupee .....	23,255	47.4	26	2.6	49	19.5	22	25.3	29
Rapides .....	134,073	45.8	30	4.5	22	18.3	28	23.0	38
Red River .....	9,688	45.6	31	0.0	63	16.5	36	29.2	14
Richland .....	21,349	55.3	13	4.7	21	22.5	12	28.1	18
Sabine .....	23,573	57.3	10	3.4	43	18.3	28	35.5	4
St. Bernard .....	67,118	38.7	50	2.1	53	15.2	42	21.4	49
St. Charles.....	42,297	32.3	63	0.5	62	10.6	62	21.2	50
St. Helena .....	10,057	67.0	2	8.0	5	20.3	19	38.7	1
St. James .....	21,228	33.5	62	3.8	33	13.2	52	16.5	62
St. John Baptist .....	39,839	41.7	41	2.0	55	12.3	55	27.3	21
St. Landry.....	82,856	52.4	21	5.8	11	19.1	24	27.6	19
St. Martin.....	44,571	44.5	35	6.7	9	13.3	51	24.5	31
St. Mary.....	60,899	38.7	50	1.0	60	15.9	40	21.8	48
St. Tammany .....	142,369	40.9	43	4.4	23	13.7	49	22.8	40
Tangipahoa .....	86,965	49.2	25	3.7	36	17.0	34	28.5	17
Tensas.....	7,461	59.6	6	8.0	5	20.5	17	31.1	7
Terrebonne.....	98,663	39.1	48	4.1	27	11.6	60	23.4	36
Union.....	21,245	56.6	11	5.6	12	15.3	41	35.7	3
Vermilion .....	51,073	40.4	45	0.8	61	17.2	33	22.4	43
Vernon.....	61,377	34.5	61	2.3	51	9.0	64	23.3	37
Washington .....	44,209	55.9	12	5.0	17	21.4	15	29.5	13
Webster.....	42,918	53.9	17	5.1	15	21.5	14	27.3	21
West Baton Rouge .....	19,763	37.3	54	4.0	29	16.1	38	17.2	61
West Carroll.....	12,362	64.7	3	8.1	4	26.2	1	30.4	11
West Feliciana.....	13,034	32.3	63	3.1	47	13.6	50	15.6	64
Winn .....	16,620	53.2	20	3.6	38	18.8	26	30.7	10

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**Unadjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Maine.....	1,201,382	42.2		7.9		18.1		16.2	
Androscoggin .....	103,131	45.3	7	10.3	3	19.5	8	15.5	14
Aroostook .....	87,876	40.0	13	5.9	13	18.3	11	15.8	12
Cumberland.....	237,075	36.0	16	6.7	10	15.6	16	13.7	16
Franklin.....	28,607	46.2	6	6.3	11	20.1	6	19.8	5
Hancock .....	45,611	43.9	9	8.3	9	19.7	7	15.9	11
Kennebec .....	113,534	42.8	10	8.8	7	18.4	10	15.6	13
Knox .....	35,599	58.9	2	15.7	1	24.4	2	18.7	6
Lincoln.....	29,310	44.2	8	6.1	12	21.9	4	16.2	9
Oxford.....	51,467	53.9	3	9.7	6	21.5	5	22.7	2
Penobscot .....	143,598	39.0	14	8.6	8	15.9	15	14.4	15
Piscataquis.....	18,341	60.9	1	9.8	5	26.8	1	24.3	1
Sagadahoc.....	32,478	41.0	12	5.5	14	18.1	12	17.4	7
Somerset.....	48,638	41.9	11	5.3	15	19.3	9	17.2	8
Waldo .....	31,860	51.0	5	12.6	2	17.3	13	21.2	3
Washington .....	34,855	53.1	4	10.3	3	22.1	3	20.7	4
York.....	159,402	38.2	15	5.3	15	16.7	14	16.2	9
Maryland.....	4,644,212	43.1		7.5		16.5		19.1	
Allegany .....	75,256	42.0	10	4.8	11	20.7	8	16.4	17
Anne Arundel .....	416,332	34.5	19	5.3	9	12.9	17	16.3	18
Baltimore.....	680,936	36.1	17	4.3	15	17.0	10	14.8	22
Calvert.....	47,475	36.7	15	3.4	20	12.9	17	20.4	12
Caroline.....	25,948	50.1	7	4.6	13	23.0	7	22.5	7
Carroll.....	117,518	34.1	20	2.9	22	13.2	15	18.0	16
Cecil .....	68,708	36.7	15	4.4	14	13.2	15	19.1	14
Charles.....	95,360	39.9	13	5.2	10	10.2	23	24.5	5
Dorchester.....	30,060	65.7	3	12.6	2	29.5	1	23.5	6
Frederick .....	142,243	32.6	21	4.8	11	12.8	19	15.0	21
Garrett .....	27,658	38.6	14	2.9	22	17.0	10	18.7	15
Harford .....	171,898	30.0	22	3.6	18	11.0	20	15.4	20
Howard.....	172,496	21.1	24	2.2	24	8.6	24	10.4	24
Kent.....	17,609	65.0	4	5.7	8	28.7	2	30.7	3
Montgomery .....	717,547	27.9	23	3.5	19	12.4	21	11.9	23
Prince George's.....	711,593	40.4	11	6.8	7	12.7	20	20.9	10
Queen Anne's .....	31,975	45.7	9	3.1	21	15.6	12	26.9	4
St. Mary's .....	72,159	40.0	12	3.9	17	15.2	13	20.9	10
Somerset.....	22,616	67.4	2	12.4	3	24.1	5	30.9	2
Talbot .....	29,444	58.4	5	8.8	5	27.7	4	21.9	8
Washington .....	119,127	34.6	18	4.0	16	14.7	14	15.9	19
Wicomico.....	72,146	49.5	8	7.2	6	20.7	8	21.6	9
Worcester.....	34,540	54.9	6	11.6	4	23.8	6	19.6	13
Baltimore City.....	743,567	82.0	1	21.6	1	28.7	2	31.7	1
Massachusetts.....	5,970,437	39.0	41	5.8	35	19.8	3	13.4	49
Barnstable .....	179,304	53.7	2	8.8	2	27.9	2	17.0	3
Berkshire .....	140,882	44.5	5	6.7	4	20.7	6	17.2	2
Bristol .....	500,414	39.5	7	5.4	8	20.7	6	13.4	8
Dukes .....	11,144	47.0	4	5.4	8	25.1	3	16.6	4
Essex.....	665,407	39.0	8	6.7	4	20.4	8	11.9	11
Franklin.....	68,455	38.3	9	4.4	12	17.9	12	16.0	5
Hampden.....	452,785	42.6	6	5.9	6	22.2	4	14.5	6
Hampshire.....	144,895	31.3	14	5.2	11	14.8	14	11.2	13
Middlesex .....	1,396,529	34.8	12	5.3	10	18.3	10	11.2	13
Nantucket .....	5,815	64.1	1	10.3	1	41.0	1	12.9	10
Norfolk.....	614,130	34.7	13	3.8	14	19.5	9	11.4	12
Plymouth .....	430,092	35.4	11	4.2	13	18.0	11	13.2	9
Suffolk .....	665,826	50.0	3	8.7	3	22.2	4	19.1	1

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Worcester .....	694,758	37.1	10	5.6	7	17.8	13	13.6	7
Michigan .....	9,217,167	45.0		8.2		16.8		20.0	
Alcona .....	9,962	61.9	9	14.1	7	27.3	8	20.5	33
Alger .....	8,873	58.5	11	4.5	52	28.2	6	25.7	10
Allegan .....	87,983	37.0	65	3.0	77	14.3	66	19.8	35
Alpena .....	30,549	40.1	54	6.5	37	16.8	43	16.7	61
Antrim .....	17,561	44.7	34	6.8	33	23.4	16	14.5	76
Arenac .....	14,665	53.1	17	6.8	33	22.8	19	23.4	15
Baraga .....	7,970	54.9	15	7.5	26	29.5	4	17.9	53
Barry .....	48,802	43.0	44	5.7	42	13.9	68	23.4	15
Bay .....	112,381	39.8	57	6.9	30	16.1	47	16.8	60
Benzie .....	11,869	49.0	23	8.4	17	22.1	22	18.5	48
Berrien .....	160,951	48.7	24	7.8	23	20.0	31	20.8	31
Branch .....	40,778	42.8	46	8.3	19	17.8	38	16.7	61
Calhoun .....	135,362	52.6	18	10.6	11	20.0	31	21.9	22
Cass .....	48,820	43.5	43	5.3	45	17.2	41	21.0	29
Charlevoix .....	20,763	37.1	64	5.8	41	12.2	76	19.1	44
Cheboygan .....	20,930	44.5	37	6.7	35	16.3	45	21.5	25
Chippewa .....	33,128	37.9	61	7.2	28	13.7	71	17.0	59
Clare .....	24,414	44.6	36	3.3	71	19.8	34	21.5	25
Clinton .....	56,630	32.6	75	4.2	60	10.8	80	17.6	57
Crawford .....	11,528	46.5	30	5.2	47	21.8	23	19.5	39
Delta .....	37,940	44.1	40	3.2	74	23.4	16	17.6	57
Dickinson .....	26,752	50.0	22	9.0	15	22.3	20	18.7	47
Eaton .....	90,924	31.5	76	4.2	60	10.9	79	16.4	65
Emmet .....	24,378	42.2	48	6.6	36	20.0	31	15.6	70
Genesee .....	432,702	43.7	42	6.9	30	14.5	63	22.3	21
Gladwin .....	21,339	48.3	25	5.6	43	20.9	26	21.8	23
Gogebic .....	18,399	66.2	6	15.2	5	32.0	3	19.0	45
Grand Traverse .....	61,501	34.1	72	3.9	66	14.8	62	15.4	71
Gratiot .....	38,891	40.4	53	1.5	82	20.9	26	18.0	51
Hillsdale .....	42,805	41.0	51	4.2	60	15.4	55	21.5	25
Houghton .....	35,996	55.6	14	11.7	9	24.4	12	19.5	39
Huron .....	35,151	45.7	31	4.0	64	24.0	13	17.7	56
Ingham .....	279,842	29.6	79	4.1	63	11.7	77	13.7	79
Ionia .....	55,517	37.6	62	4.3	57	14.4	65	18.9	46
Iosco .....	29,916	38.6	59	4.0	64	18.0	36	16.6	64
Iron .....	13,405	67.7	3	10.4	12	29.3	5	28.0	5
Isabella .....	54,165	28.1	80	2.2	80	12.8	73	13.1	82
Jackson .....	147,524	40.7	52	6.0	40	15.2	57	19.6	38
Kalamazoo .....	220,259	34.2	71	4.4	55	14.9	59	15.0	73
Kalkaska .....	12,874	38.2	60	3.1	75	12.5	75	22.6	20
Kent .....	488,037	37.4	63	6.4	38	15.1	58	15.9	68
Keweenaw .....	1,720	126.9	1	23.3	1	68.6	1	35.0	1
Lake .....	8,381	72.1	2	14.3	6	34.4	2	23.3	17
Lapeer .....	72,541	34.6	70	3.6	68	11.5	78	19.5	39
Leelanau .....	15,913	29.8	78	1.3	83	14.5	63	14.0	77
Lenawee .....	90,049	40.1	54	3.3	71	17.0	42	19.8	35
Livingston .....	110,073	28.0	81	2.7	78	9.4	83	15.9	68
Luce .....	5,792	66.5	5	13.8	8	23.8	15	28.9	4
Mackinac .....	10,519	58.4	12	11.4	10	20.8	28	26.2	8
Macomb .....	709,378	35.9	67	6.9	30	15.8	50	13.2	81
Manistee .....	21,335	51.1	20	8.4	17	23.4	16	19.3	43
Marquette .....	71,022	35.1	68	4.5	52	15.7	52	15.0	73
Mason .....	25,555	44.2	38	8.6	16	18.9	35	16.7	61
Mecosta .....	37,007	34.7	69	4.3	57	14.1	67	16.3	67
Menominee .....	25,070	50.1	21	8.0	21	21.0	25	21.2	28
Midland .....	74,037	30.6	77	2.4	79	12.8	73	15.4	71



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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Missaukee .....	11,643	47.3	26	1.7	81	16.1	47	29.5	2
Monroe .....	132,071	36.5	66	5.1	49	13.6	72	17.8	54
Montcalm .....	51,374	44.7	34	4.3	57	14.9	59	25.5	11
Montmorency .....	8,546	59.9	10	9.4	14	23.9	14	26.7	6
Muskegon .....	157,298	44.2	38	8.3	19	17.6	39	18.3	49
Newaygo .....	37,231	46.8	28	6.4	38	15.7	52	24.6	13
Oakland .....	1,060,791	33.8	74	5.3	45	13.8	70	14.6	75
Oceana .....	22,085	41.1	49	3.6	68	15.7	52	21.7	24
Ogemaw .....	17,860	53.6	16	7.8	23	26.1	10	19.7	37
Ontonagon .....	8,918	47.1	27	4.5	52	26.2	9	16.4	65
Osceola .....	19,857	41.1	49	5.0	50	15.4	55	20.7	32
Oscoda .....	7,451	52.6	18	5.4	44	27.7	7	19.5	39
Otsego .....	17,093	33.9	73	3.5	70	16.5	44	13.9	78
Ottawa .....	179,713	27.5	82	3.3	71	10.7	81	13.5	80
Presque Isle .....	13,676	45.4	32	7.3	27	20.1	30	18.0	51
Roscommon .....	18,874	64.0	8	15.9	4	22.2	21	25.9	9
Saginaw .....	213,208	46.7	29	7.9	22	18.0	36	20.9	30
St. Clair .....	142,496	42.9	45	7.2	28	17.4	40	18.3	49
St. Joseph .....	58,367	39.9	56	3.1	75	13.9	68	22.9	19
Sanilac .....	39,681	56.8	13	9.6	13	20.7	29	26.5	7
Schoolcraft .....	8,329	64.7	7	16.8	2	24.9	11	23.0	18
Shiawassee .....	69,071	39.3	58	5.2	47	16.2	46	17.8	54
Tuscola .....	54,972	42.8	46	4.4	55	14.9	59	23.6	14
Van Buren .....	68,537	45.0	33	3.8	67	15.8	50	25.4	12
Washtenaw .....	276,976	27.0	83	4.7	51	9.9	82	12.4	83
Wayne .....	2,144,363	66.8	4	16.0	3	21.7	24	29.2	3
Wexford .....	26,058	44.1	40	7.7	25	15.9	49	20.5	33
Minnesota .....	4,290,327	36.2		5.9		15.1		15.2	
Aitkin .....	12,669	57.5	4	7.9	14	27.1	7	22.5	13
Anoka .....	231,789	23.5	86	4.2	53	7.4	87	11.8	79
Becker .....	27,922	40.8	50	2.1	77	17.9	49	20.8	18
Beltrami .....	33,713	42.8	36	5.3	36	14.5	69	23.0	12
Benton .....	29,018	36.5	60	3.4	60	16.6	58	16.5	44
Big Stone .....	6,554	46.4	23	6.1	29	20.7	28	19.6	23
Blue Earth .....	54,032	34.0	70	5.2	38	15.5	62	13.3	70
Brown .....	27,181	36.8	59	2.9	67	20.1	33	13.8	67
Carlton .....	29,189	50.5	14	10.3	4	20.0	34	20.2	20
Carver .....	44,901	28.3	79	2.7	71	9.8	81	15.9	48
Cass .....	21,552	62.5	1	7.4	19	23.7	14	31.4	1
Chippewa .....	13,592	49.0	15	5.9	32	22.0	21	21.1	15
Chisago .....	29,348	32.7	73	1.4	79	13.3	73	18.0	39
Clay .....	49,723	28.6	78	4.4	51	13.0	75	11.2	83
Clearwater .....	8,344	44.1	29	4.8	43	22.8	16	16.5	44
Cook .....	3,923	55.5	7	10.2	5	17.3	52	27.9	4
Cottonwood .....	13,061	35.9	63	7.7	16	17.3	52	10.9	85
Crow Wing .....	43,574	45.9	25	4.6	47	21.2	25	20.0	21
Dakota .....	254,006	21.8	87	4.3	52	7.6	86	9.9	86
Dodge .....	15,438	36.4	61	0.0	81	10.3	80	26.1	5
Douglas .....	28,457	42.8	36	10.5	3	17.2	54	15.1	58
Faribault .....	17,481	42.7	39	4.6	47	25.5	9	12.6	74
Fillmore .....	20,973	46.8	21	0.0	81	21.3	24	25.5	7
Freeborn .....	33,446	42.0	46	7.2	23	19.5	39	15.4	55
Goodhue .....	40,075	43.8	31	7.0	26	18.6	44	18.2	37
Grant .....	6,442	51.8	10	0.0	81	32.8	1	19.1	31
Hennepin .....	1,011,643	39.8	52	9.1	9	14.8	68	15.9	48
Houston .....	18,448	38.5	56	6.5	28	14.2	71	17.8	40
Hubbard .....	14,763	47.8	18	5.4	33	23.0	15	19.4	26
Isanti .....	25,260	39.6	53	0.8	80	20.4	31	18.4	36

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Itasca.....	41,265	41.1	49	7.3	21	18.0	47	15.8	51
Jackson.....	12,138	42.6	40	6.6	27	21.1	26	15.0	59
Kanabec.....	12,544	43.0	35	4.8	43	18.7	43	19.5	24
Kandiyohi.....	38,177	37.0	58	4.7	45	15.9	60	16.4	46
Kittson.....	5,902	58.4	3	3.4	60	31.6	2	23.4	10
Koochiching.....	16,464	38.6	55	8.5	13	17.9	49	12.2	76
Lac Qui Parle.....	9,298	51.0	11	8.6	11	27.2	5	15.2	57
Lake.....	10,859	52.6	8	14.7	1	24.2	13	13.6	68
Lake Of Woods.....	3,936	41.4	48	10.2	5	11.7	77	19.5	24
Le Sueur.....	23,252	35.5	64	5.2	38	14.9	67	15.4	55
Lincoln.....	7,168	43.9	30	0.0	81	24.8	11	19.1	31
Lyon.....	24,736	42.8	36	7.3	21	20.5	30	15.0	59
McLeod.....	31,381	34.4	69	2.5	74	15.8	61	16.1	47
Mahnomen.....	5,116	59.4	2	7.8	15	20.9	27	30.7	2
Marshall.....	11,330	45.3	27	7.1	25	17.2	54	21.1	15
Martin.....	23,545	35.0	67	4.2	53	19.4	40	11.4	80
Meeker.....	20,651	42.1	42	3.9	56	19.0	42	19.3	28
Mille Lacs.....	18,564	50.6	12	5.4	33	21.8	23	23.4	10
Morrison.....	29,397	45.3	27	7.5	18	17.9	49	19.9	22
Mower.....	37,870	42.1	42	5.3	36	20.2	32	16.6	43
Murray.....	9,913	38.2	57	0.0	81	19.2	41	19.0	33
Nicollet.....	27,774	30.2	77	7.2	23	8.9	85	14.1	64
Nobles.....	20,328	38.8	54	4.9	42	19.8	36	14.0	66
Norman.....	8,196	50.6	12	2.4	75	29.5	3	18.6	35
Olmsted.....	103,044	26.0	83	3.5	59	9.7	82	12.8	73
Otter Tail.....	50,739	42.3	41	4.7	45	20.7	28	16.8	42
Pennington.....	13,559	42.1	42	7.4	19	14.4	70	20.3	19
Pine.....	20,873	45.6	26	2.9	67	18.0	47	24.7	8
Pipestone.....	10,605	35.3	66	1.9	78	15.2	65	18.1	38
Polk.....	32,807	48.1	17	9.1	9	21.9	22	17.0	41
Pope.....	10,860	46.2	24	9.2	8	24.6	12	12.4	75
Ramsey.....	480,249	33.0	72	4.5	49	15.4	64	13.2	71
Red Lake.....	4,662	56.7	5	8.6	11	19.8	36	28.4	3
Redwood.....	17,594	43.2	34	3.4	60	25.5	9	14.3	63
Renville.....	18,194	56.1	6	3.3	63	27.2	5	25.6	6
Rice.....	48,263	36.3	62	3.7	57	16.7	57	15.9	48
Rock.....	9,979	35.5	64	6.0	30	18.2	46	11.3	81
Roseau.....	14,269	43.7	32	4.2	53	15.0	66	24.5	9
St. Louis.....	200,561	47.5	19	9.6	7	22.1	20	15.8	51
Scott.....	54,236	26.8	81	3.7	57	9.6	83	13.5	69
Sherburne.....	39,245	28.1	80	3.1	66	12.1	76	13.0	72
Sibley.....	14,487	42.1	42	2.8	69	20.0	34	19.4	26
Stearns.....	116,082	26.4	82	4.5	49	10.6	79	11.3	81
Steele.....	30,467	30.6	76	2.6	72	13.3	73	14.6	62
Stevens.....	10,732	23.7	85	0.0	81	17.1	56	6.6	87
Swift.....	11,180	43.4	33	5.4	33	22.4	17	15.7	54
Todd.....	23,619	40.1	51	7.6	17	13.5	72	18.9	34
Traverse.....	4,734	42.0	46	0.0	81	26.1	8	15.8	51
Wabasha.....	19,583	48.3	16	5.1	40	22.3	18	20.9	17
Wadena.....	13,314	47.5	19	6.0	30	22.2	19	19.3	28
Waseca.....	17,994	33.5	71	3.3	63	16.1	59	14.1	64
Washington.....	137,388	24.1	84	2.8	69	9.3	84	12.1	77
Watonwan.....	11,829	46.8	21	13.5	2	18.4	45	14.8	61
Wilkin.....	7,661	34.5	68	2.6	72	19.8	36	12.1	77
Winona.....	47,364	31.8	75	5.1	40	15.5	62	11.2	83
Wright.....	65,784	32.5	74	2.4	75	10.7	78	19.3	28
Yellow Medicine.....	12,045	52.4	9	3.3	63	27.8	4	21.3	14

Table 2

**Unadjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Mississippi .....	2,582,238	50.9		5.7		17.4		27.7	
Adams .....	36,448	56.1	34	8.8	14	22.3	15	25.0	64
Alcorn .....	32,099	62.0	19	10.0	5	21.0	20	31.1	36
Amite .....	13,381	51.5	52	1.5	76	18.1	43	32.0	30
Attala .....	18,747	53.9	43	2.1	70	21.5	17	30.2	40
Benton .....	8,115	50.2	57	2.5	65	10.6	80	37.1	17
Bolivar .....	42,938	55.0	37	4.7	45	20.6	22	29.7	41
Calhoun .....	14,982	60.7	25	2.7	62	17.0	53	41.1	9
Carroll .....	9,377	43.8	71	2.1	70	13.3	75	28.3	52
Chickasaw .....	17,986	39.3	74	2.2	68	14.0	72	23.0	71
Choctaw .....	9,013	65.4	13	4.4	51	19.8	28	41.1	9
Claiborne .....	11,542	61.8	21	6.9	25	15.1	67	39.8	13
Clarke .....	17,320	55.9	35	3.5	57	16.5	56	35.9	20
Clay .....	21,308	54.8	38	6.6	28	21.5	17	26.8	58
Coahoma .....	32,924	57.0	31	5.5	36	25.3	3	26.3	61
Copiah .....	27,315	55.1	36	5.9	32	16.5	56	32.7	26
Covington .....	16,448	53.3	47	2.4	66	20.1	25	30.8	38
De Soto .....	64,384	39.0	75	2.2	68	10.4	81	26.4	60
Forrest .....	68,187	46.2	66	7.3	20	19.4	32	19.5	75
Franklin .....	8,477	50.5	54	7.1	21	16.9	54	26.5	59
George .....	16,556	52.8	48	6.0	31	15.7	63	31.0	37
Greene .....	10,192	53.7	45	2.0	73	15.8	61	35.9	20
Grenada .....	21,255	61.9	20	3.8	53	29.0	2	29.1	46
Hancock .....	30,926	58.1	29	9.1	10	16.9	54	32.2	28
Harrison .....	166,983	50.3	56	9.3	9	16.5	56	24.4	68
Hinds .....	257,482	46.4	65	6.8	26	14.9	69	24.7	65
Holmes .....	21,933	60.8	24	4.6	48	18.4	38	37.8	16
Humphreys .....	12,516	71.1	5	8.0	16	21.1	19	41.9	7
Issaquena .....	1,989	35.4	79	10.1	4	10.2	82	15.2	82
Itawamba .....	20,222	54.4	42	4.9	41	18.3	40	31.2	35
Jackson .....	117,217	37.2	77	4.9	41	13.4	74	18.9	76
Jasper .....	17,220	53.9	43	1.2	79	19.6	30	33.1	25
Jefferson .....	8,841	49.0	62	4.5	49	15.4	64	29.0	47
Jefferson Davis .....	14,144	58.8	27	7.1	21	15.4	64	36.3	18
Jones .....	62,351	50.5	54	4.8	44	19.7	29	26.0	62
Kemper .....	10,415	57.0	31	5.8	33	17.5	49	33.8	23
Lafayette .....	31,593	34.0	80	3.8	53	11.8	79	18.4	78
Lamar .....	29,711	31.0	82	0.7	81	12.2	78	18.2	79
Lauderdale .....	76,212	54.5	41	7.1	21	17.9	45	29.6	44
Lawrence .....	12,598	69.4	8	3.2	58	16.2	59	50.0	2
Leake .....	18,518	66.6	10	7.6	18	18.6	37	40.4	11
Lee .....	64,110	51.8	51	9.0	12	15.2	66	27.6	55
Leflore .....	38,765	54.8	38	3.1	59	19.2	35	32.5	27
Lincoln .....	30,528	52.6	49	5.2	39	18.9	36	28.4	51
Lowndes .....	59,827	37.2	77	4.7	45	14.4	71	18.1	80
Madison .....	50,927	41.7	72	5.1	40	13.7	73	22.9	72
Marion .....	26,002	65.7	12	5.4	37	20.2	24	40.1	12
Marshall .....	30,643	68.6	9	9.1	10	17.5	49	42.0	6
Monroe .....	36,702	56.7	33	7.1	21	19.9	27	29.7	41
Montgomery .....	12,516	64.8	14	9.6	7	23.9	10	31.3	34
Neshoba .....	24,781	62.5	17	9.7	6	24.1	8	28.7	48
Newton .....	20,363	51.2	53	4.9	41	17.6	47	28.6	50
Noxbee .....	12,891	71.3	4	7.8	17	20.4	23	43.1	4
Oktibbeha .....	38,191	31.5	81	3.1	59	12.4	77	16.0	81
Panola .....	29,582	58.2	28	6.8	26	19.3	33	32.1	29
Pearl River .....	38,358	46.9	64	3.1	59	15.8	61	28.0	54
Perry .....	10,847	47.1	63	3.7	56	15.1	67	28.3	52
Pike .....	37,346	57.4	30	6.4	29	23.7	11	27.2	57
Pontotoc .....	22,038	44.8	67	2.7	62	19.5	31	22.6	73

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Prentiss .....	23,528	54.8	38	9.4	8	18.0	44	27.4	56
Quitman .....	10,840	70.8	7	1.8	75	25.3	3	43.6	3
Rankin .....	84,049	37.7	76	4.5	49	13.0	76	20.3	74
Scott .....	24,274	62.5	17	5.8	33	14.6	70	42.1	5
Sharkey .....	7,346	90.0	1	24.5	1	24.0	9	41.5	8
Simpson .....	24,068	61.8	21	8.3	15	22.7	14	30.8	38
Smith .....	15,015	44.1	69	1.3	78	17.1	52	25.7	63
Stone .....	10,593	63.4	15	7.6	18	22.2	16	33.6	24
Sunflower .....	33,895	50.0	58	4.1	52	17.2	51	28.7	48
Tallahatchie .....	15,313	60.9	23	2.6	64	22.8	13	35.5	22
Tate .....	21,259	40.4	73	0.9	80	15.9	60	23.6	70
Tippah .....	19,250	59.2	26	2.1	70	17.8	46	39.3	14
Tishomingo .....	17,748	66.1	11	9.0	12	21.0	20	36.1	19
Tunica .....	8,445	79.2	2	4.7	45	23.5	12	51.0	1
Union .....	22,084	49.3	61	5.4	37	19.3	33	24.6	67
Walthall .....	14,235	44.5	68	1.4	77	18.4	38	24.7	65
Warren .....	49,110	49.5	60	5.7	35	20.1	25	23.7	69
Washington .....	68,930	51.9	50	2.3	67	17.6	47	32.0	30
Wayne .....	19,615	50.0	58	2.0	73	18.2	42	29.7	41
Webster .....	10,385	44.0	70	0.0	82	25.3	3	18.8	77
Wilkinson .....	9,913	62.6	16	6.1	30	24.8	6	31.8	32
Winston .....	19,625	70.9	6	12.2	3	29.3	1	29.3	45
Yalobusha .....	12,334	75.2	3	13.0	2	24.2	7	38.0	15
Yazoo .....	26,105	53.6	46	3.8	53	18.3	40	31.5	33
Missouri .....	5,075,370	44.5		5.7		17.1		21.6	
Adair .....	24,686	28.8	110	1.6	92	12.3	106	14.8	107
Andrew .....	14,532	31.2	108	4.1	48	15.8	85	11.2	114
Atchison .....	7,635	45.8	61	5.2	31	32.7	2	7.9	115
Audrain .....	24,078	39.0	95	2.5	78	18.8	59	17.7	94
Barry .....	26,831	52.4	30	5.2	31	20.7	45	26.4	34
Barton .....	11,285	54.6	24	5.3	30	19.9	54	29.3	21
Bates .....	15,075	65.6	10	1.3	96	24.7	21	39.6	2
Benton .....	13,506	66.8	7	11.8	4	20.5	48	34.4	8
Bollinger .....	10,492	50.6	38	0.0	101	24.7	21	25.9	39
Boone .....	110,683	27.4	114	4.3	42	8.6	111	14.5	109
Buchanan .....	83,998	45.8	61	7.9	11	21.1	42	16.8	98
Butler .....	38,658	54.5	25	5.7	26	21.9	35	26.9	32
Caldwell .....	8,342	50.3	40	0.0	101	15.2	90	35.0	5
Callaway .....	32,387	42.5	79	4.9	36	17.9	63	19.7	84
Camden .....	26,386	44.8	66	3.8	54	16.0	84	25.0	48
Cape Girardeau .....	61,034	34.6	102	3.6	59	16.5	77	14.5	109
Carroll .....	11,031	43.5	73	1.8	88	18.0	62	23.7	62
Carter .....	5,515	56.8	18	7.3	16	12.6	103	36.9	4
Cass .....	60,870	33.1	106	2.3	82	11.8	107	19.0	91
Cedar .....	12,131	61.9	13	3.3	67	29.8	4	28.8	23
Chariton .....	9,446	66.3	9	8.5	9	26.5	13	31.3	15
Christian .....	30,160	36.2	99	6.0	22	10.7	110	19.5	86
Clark .....	7,709	46.6	53	0.0	101	24.0	24	22.6	68
Clay .....	149,455	32.7	107	5.8	23	11.4	109	15.5	104
Clinton .....	16,392	43.6	72	6.1	21	14.2	98	23.3	65
Cole .....	63,231	40.5	92	5.1	33	16.3	80	19.1	90
Cooper .....	14,995	46.8	51	8.0	10	15.1	91	23.8	59
Crawford .....	18,835	50.4	39	6.4	20	16.9	73	27.1	31
Dade .....	7,377	48.0	47	0.0	101	23.7	25	24.3	56
Dallas .....	12,440	48.5	45	3.2	69	17.7	68	27.6	27
Daviess .....	7,994	40.9	90	2.5	78	21.8	36	16.6	99
De Kalb .....	9,562	28.2	113	0.0	101	15.5	87	12.7	113
Dent .....	13,743	56.8	18	4.4	41	20.0	53	32.4	13

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Douglas .....	11,789	54.3	27	3.4	65	16.3	80	34.6	6
Dunklin .....	33,501	51.8	32	3.6	59	22.1	32	26.1	37
Franklin.....	79,299	43.5	73	3.0	71	14.4	96	26.1	37
Gasconade.....	13,841	58.9	14	4.3	42	20.4	50	34.1	9
Gentry.....	7,086	46.4	56	5.6	27	26.7	12	14.1	111
Greene .....	203,788	37.1	97	4.3	42	15.1	91	17.6	95
Grundy.....	10,794	57.7	15	1.9	87	30.9	3	24.9	50
Harrison.....	8,778	57.0	17	0.0	101	29.3	5	27.7	26
Henry.....	19,997	57.7	15	3.0	71	24.8	20	29.9	20
Hickory .....	7,132	78.8	3	16.8	3	28.4	7	33.5	10
Holt.....	6,233	43.3	77	0.0	101	27.8	10	15.4	105
Howard.....	9,759	51.8	32	4.1	48	22.5	29	25.2	46
Howell.....	30,847	48.5	45	6.5	18	19.2	57	22.8	67
Iron .....	10,670	66.6	8	5.6	27	27.9	9	33.1	11
Jackson .....	631,743	49.8	42	7.9	11	17.1	72	24.7	52
Jasper.....	89,605	46.3	58	3.6	59	21.7	37	21.0	77
Jefferson.....	165,939	34.5	103	2.3	82	11.5	108	20.7	81
Johnson.....	41,285	28.7	111	3.9	52	8.6	111	16.3	101
Knox .....	4,623	46.3	58	4.3	42	22.2	31	19.7	84
Laclede.....	26,787	42.1	82	1.5	93	12.8	102	27.8	25
Lafayette .....	30,741	47.1	50	3.3	67	17.9	63	25.9	39
Lawrence.....	29,966	46.6	53	0.7	100	20.5	48	25.4	44
Lewis.....	10,489	43.9	70	3.8	54	16.9	73	23.2	66
Lincoln.....	27,432	45.0	65	1.5	93	13.1	101	30.5	18
Linn .....	14,167	54.8	23	4.2	46	26.2	15	24.4	54
Livingston .....	14,693	41.2	89	1.4	95	20.4	50	19.4	88
McDonald .....	16,507	46.7	52	3.6	59	15.5	87	27.5	28
Macon.....	15,695	41.8	86	1.3	96	17.9	63	22.6	68
Madison.....	11,092	36.5	98	1.8	88	16.4	78	18.3	92
Maries.....	7,918	56.6	21	7.6	14	18.1	61	30.9	17
Marion .....	27,899	42.1	82	3.6	59	19.3	56	19.2	89
Mercer.....	3,866	40.5	92	0.0	101	18.6	60	21.9	72
Miller.....	20,705	45.1	64	5.8	23	13.6	100	25.8	42
Mississippi.....	14,625	67.4	6	10.9	6	25.4	16	31.0	16
Moniteau.....	12,476	44.2	69	0.0	101	23.4	27	20.8	79
Monroe.....	9,205	41.8	86	0.0	101	16.3	80	25.5	43
Montgomery .....	11,294	53.5	29	1.8	88	24.4	23	27.3	29
Morgan .....	15,446	73.3	4	20.7	1	28.2	8	24.3	56
New Madrid.....	21,302	54.4	26	11.3	5	17.2	70	25.9	39
Newton.....	43,846	44.6	67	4.1	48	16.7	75	23.8	59
Nodaway .....	21,730	35.8	100	1.8	88	17.8	66	16.2	102
Oregon.....	9,590	43.7	71	0.0	101	19.6	55	24.1	58
Osage.....	12,085	45.2	63	6.6	17	16.1	83	22.5	70
Ozark.....	8,491	43.3	77	2.4	80	16.6	76	24.4	54
Pemiscot.....	22,296	64.7	11	4.5	40	21.6	38	38.6	3
Perry.....	16,683	40.7	91	0.0	101	21.2	41	19.5	86
Pettis.....	35,375	47.3	49	3.4	65	22.1	32	21.9	72
Phelps .....	34,813	42.1	82	4.0	51	15.6	86	22.5	70
Pike .....	16,079	52.0	31	5.0	35	20.3	52	26.7	33
Platte .....	54,777	28.5	112	5.8	23	7.3	114	15.4	105
Polk .....	21,189	51.7	34	0.9	98	22.3	30	28.4	24
Pulaski.....	42,329	28.9	109	4.7	37	6.8	115	17.4	96
Putnam.....	5,212	42.4	80	3.8	54	17.8	66	20.7	81
Ralls .....	8,532	44.3	68	2.3	82	23.7	25	18.2	93
Randolph.....	24,826	35.3	101	2.4	80	16.4	78	16.5	100
Ray .....	21,771	39.9	94	3.7	58	14.7	94	21.6	75
Reynolds .....	6,701	42.1	82	3.0	71	14.6	95	24.6	53
Ripley .....	12,284	51.3	37	0.0	101	25.1	17	26.2	36
St. Charles.....	197,857	25.0	115	2.9	74	8.3	113	13.8	112
St. Clair.....	8,445	55.6	22	4.7	37	19.1	58	31.7	14

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**Unadjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986-1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Ste. Genevieve.....	15,787	43.4	76	3.8	54	17.7	68	21.9	72
St. Francois.....	47,208	51.5	35	5.1	33	21.0	44	25.4	44
St. Louis.....	988,624	33.8	105	3.9	52	15.1	91	14.8	107
Saline.....	23,785	53.9	28	7.6	14	21.4	40	24.9	50
Schuyler.....	4,375	62.3	12	4.6	39	25.1	17	32.5	12
Scotland.....	4,944	51.4	36	0.0	101	26.4	14	25.0	48
Scott.....	39,377	37.2	96	2.0	85	14.3	97	20.8	79
Shannon.....	7,593	41.7	88	2.6	77	15.5	87	23.5	64
Shelby.....	7,094	43.5	73	2.8	75	25.0	19	15.7	103
Stoddard.....	28,909	50.0	41	5.5	29	20.7	45	23.8	59
Stone.....	18,427	56.8	18	6.5	18	23.1	28	27.3	29
Sullivan.....	6,507	48.6	44	9.2	8	22.0	34	17.4	96
Taney.....	24,923	47.8	48	3.2	69	21.1	42	23.6	63
Texas.....	21,381	46.3	58	2.8	75	17.2	70	26.3	35
Vernon.....	19,224	46.4	56	4.2	46	21.6	38	20.7	81
Warren.....	18,688	33.9	104	0.0	101	12.4	105	21.5	76
Washington.....	19,862	46.5	55	2.0	85	14.1	99	30.3	19
Wayne.....	11,349	80.2	2	10.6	7	26.8	11	42.8	1
Webster.....	23,058	42.3	81	0.9	98	12.5	104	29.0	22
Worth.....	2,544	71.0	5	7.9	11	42.2	1	20.9	78
Wright.....	16,568	49.5	43	3.6	59	20.7	45	25.2	46
St. Louis City.....	410,720	82.6	1	19.4	2	28.5	6	34.6	6
Montana.....	803,631	46.8		8.6		15.3		23.0	
Beaverhead.....	8,412	49.5	28	14.3	10	13.2	42	22.1	31
Big Horn.....	11,527	83.9	3	20.8	4	13.6	37	49.5	2
Blaine.....	6,774	61.8	8	20.7	5	13.9	36	27.3	19
Broadwater.....	3,358	36.1	48	6.0	36	23.5	7	6.7	55
Carbon.....	8,167	52.0	25	4.9	40	21.9	11	25.1	25
Carter.....	1,579	44.2	36	0.0	47	28.6	3	15.6	48
Cascade.....	78,104	42.8	42	7.7	28	14.2	35	20.9	37
Chouteau.....	5,579	50.4	27	7.2	31	18.2	24	25.0	26
Custer.....	12,121	54.6	21	6.6	33	18.8	20	29.1	15
Daniels.....	2,350	31.7	53	8.5	25	8.3	54	14.9	51
Dawson.....	10,222	32.8	52	7.8	27	10.9	50	14.0	53
Deer Lodge.....	10,611	75.2	5	15.1	8	29.3	2	30.9	13
Fallon.....	3,312	34.2	50	6.0	36	8.1	55	20.1	38
Fergus.....	12,343	59.0	15	13.0	11	18.6	21	27.4	17
Flathead.....	58,247	44.9	34	8.9	23	13.3	40	22.7	28
Gallatin.....	49,565	27.2	54	3.2	45	8.9	52	15.0	49
Garfield.....	1,614	54.5	22	0.0	47	5.5	56	49.1	3
Glacier.....	11,932	99.9	2	36.9	2	19.1	19	43.9	6
Golden Valley.....	935	22.0	57	0.0	47	22.0	10	0.0	56
Granite.....	2,566	60.2	10	0.0	47	19.5	16	40.8	7
Hill.....	17,757	53.3	24	14.6	9	11.4	46	27.2	20
Jefferson.....	7,767	44.0	38	12.9	12	12.1	44	19.1	41
Judith Basin.....	2,372	23.8	56	0.0	47	15.8	31	8.0	54
Lake.....	20,733	54.7	20	7.7	28	18.6	21	28.3	16
Lewis And Clark.....	46,922	47.7	30	9.8	16	16.6	28	21.3	34
Liberty.....	2,309	43.0	41	8.7	24	20.0	14	14.3	52
Lincoln.....	17,647	39.5	43	6.8	32	11.1	48	21.6	32
McCone.....	2,363	38.4	45	8.5	25	8.6	53	21.3	34
Madison.....	5,942	55.5	18	0.0	47	14.7	32	40.8	7
Meagher.....	1,928	49.5	28	10.4	15	13.3	40	25.8	24
Mineral.....	3,447	58.9	16	11.6	14	9.8	51	37.5	10
Missoula.....	78,193	35.6	49	4.9	40	12.0	45	18.8	43
Musselshell.....	4,285	74.1	6	18.7	7	20.9	13	34.5	12
Park.....	14,512	36.2	47	2.8	46	14.4	34	19.1	41
Petroleum.....	560	26.4	55	0.0	47	11.4	46	15.0	49

Table 2

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Phillips.....	5,228	46.0	31	3.8	43	21.0	12	21.1	36
Pondera.....	6,429	64.4	7	6.2	35	17.7	25	40.5	9
Powder River.....	2,224	43.7	40	0.0	47	16.3	29	27.4	17
Powell.....	6,721	60.4	9	6.0	36	17.4	27	37.0	11
Prairie.....	1,493	34.0	51	0.0	47	11.0	49	23.0	27
Ravalli.....	24,579	45.3	33	9.0	21	17.5	26	18.8	43
Richland.....	11,549	36.3	46	3.5	44	13.5	38	19.3	40
Roosevelt.....	11,133	102.6	1	37.7	1	18.3	23	46.5	4
Rosebud.....	10,781	77.8	4	20.4	6	12.7	43	44.7	5
Sanders.....	8,800	53.4	23	9.1	20	13.5	38	30.8	14
Sheridan.....	4,992	44.1	37	4.0	42	24.2	5	15.9	47
Silver Bow.....	34,428	55.5	18	9.3	18	23.7	6	22.5	29
Stillwater.....	6,326	59.1	14	12.6	13	19.6	15	26.9	22
Sweet Grass.....	3,178	59.7	11	6.3	34	26.3	4	27.1	21
Teton.....	6,327	58.3	17	9.5	17	22.9	9	26.0	23
Toole.....	5,223	43.8	39	7.7	28	16.0	30	20.1	38
Treasure.....	922	59.4	13	21.7	3	37.8	1	0.0	56
Valley.....	8,703	51.0	26	9.2	19	19.5	16	22.3	30
Wheatland.....	2,229	45.6	32	9.0	21	19.3	18	17.3	46
Wibaux.....	1,243	44.4	35	0.0	47	23.0	8	21.4	33
Yellowstone.....	115,015	38.5	44	5.6	39	14.7	32	18.3	45
Yellowstone Park.....	54	59.5	12	0.0	47	0.0	57	59.5	1
Nebraska.....	1,573,285	38.2		5.3		16.1		16.8	
Adams.....	29,905	39.9	66	3.3	63	18.8	50	17.8	50
Antelope.....	8,073	47.3	43	2.5	68	21.6	31	23.2	27
Arthur.....	479	41.7	57	0.0	73	21.7	30	20.0	41
Banner.....	890	24.7	88	0.0	73	5.8	90	18.9	47
Blaine.....	682	75.3	5	0.0	73	23.2	24	52.2	1
Boone.....	6,789	34.6	77	0.0	73	16.9	61	17.7	52
Box Butte.....	13,522	32.2	78	3.0	66	12.7	80	16.5	63
Boyd.....	2,899	29.0	85	0.0	73	12.4	81	16.6	62
Brown.....	3,813	57.9	17	15.7	10	25.4	15	16.7	59
Buffalo.....	37,056	38.9	69	3.8	58	17.0	59	18.2	48
Burt.....	8,004	51.4	27	5.0	44	29.0	11	17.4	55
Butler.....	8,698	50.9	30	9.2	22	19.9	40	21.8	36
Cass.....	21,236	31.2	82	0.9	71	13.5	77	16.8	58
Cedar.....	10,350	42.9	53	3.9	56	22.8	26	16.3	64
Chase.....	4,454	60.5	14	13.5	12	18.3	53	28.7	13
Cherry.....	6,520	44.8	50	9.2	22	10.6	86	25.0	21
Cheyenne.....	9,638	48.3	40	4.2	52	16.6	65	27.5	15
Clay.....	7,278	47.1	45	5.5	41	18.9	49	22.7	29
Colfax.....	9,375	50.0	32	6.4	36	21.1	34	22.5	31
Cuming.....	10,337	48.3	40	3.9	56	21.6	31	22.8	28
Custer.....	12,561	49.4	37	9.6	20	23.9	23	15.9	67
Dakota.....	16,754	38.9	69	6.0	38	13.2	78	19.7	44
Dawes.....	9,120	41.7	57	11.0	16	17.0	59	13.7	77
Dawson.....	20,264	40.6	62	4.9	45	18.6	51	17.2	56
Deuel.....	2,296	57.6	18	17.4	8	34.1	7	6.1	92
Dixon.....	6,293	51.9	26	19.1	5	19.3	44	13.5	81
Dodge.....	34,532	39.7	67	3.5	61	18.6	51	17.7	52
Douglas.....	411,717	36.0	74	4.9	45	15.1	72	16.1	65
Dundy.....	2,676	62.6	11	14.9	11	25.6	14	22.0	35
Fillmore.....	7,177	46.2	48	0.0	73	20.1	39	26.1	18
Franklin.....	3,993	62.0	12	10.0	19	21.6	31	30.4	11
Frontier.....	3,212	36.6	72	0.0	73	21.1	34	15.5	69
Furnas.....	5,781	77.4	3	10.4	18	31.2	8	35.8	4
Gage.....	22,987	42.3	54	0.9	71	19.0	48	22.5	31
Garden.....	2,531	37.5	71	7.9	30	24.6	22	5.0	93

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Garfield.....	2,178	52.5	25	18.4	7	19.6	42	14.5	72
Gosper.....	1,986	49.7	35	0.0	73	35.8	5	13.9	75
Grant.....	804	85.9	2	0.0	73	52.8	1	33.1	7
Greeley.....	3,104	77.2	4	12.9	13	38.6	3	25.7	19
Hall.....	48,860	36.4	73	5.7	40	17.2	58	13.4	82
Hamilton.....	8,889	45.5	49	4.5	50	13.2	78	27.8	14
Harlan.....	3,895	68.4	7	25.7	2	24.7	20	18.0	49
Hayes.....	1,267	31.7	80	15.8	9	2.7	92	13.3	83
Hitchcock.....	3,799	49.7	35	10.5	17	15.3	71	24.0	24
Holt.....	12,879	40.4	63	1.6	69	17.7	55	21.1	39
Hooker.....	810	67.9	8	0.0	73	36.8	4	31.1	9
Howard.....	6,169	55.8	21	6.5	35	17.6	56	31.7	8
Jefferson.....	8,963	54.6	23	6.7	33	25.2	17	22.7	29
Johnson.....	4,765	58.5	15	12.6	14	22.1	27	23.8	25
Kearney.....	6,621	40.2	65	3.0	66	15.9	68	21.3	38
Keith.....	8,757	48.6	39	6.9	32	26.6	13	15.1	70
Keya Paha.....	1,096	21.3	90	0.0	73	11.1	85	10.2	89
Kimball.....	4,283	46.9	46	18.7	6	14.6	74	13.7	77
Knox.....	9,870	49.9	34	8.1	29	17.4	57	24.4	23
Lancaster.....	208,748	30.5	84	6.1	37	11.4	83	12.9	85
Lincoln.....	32,791	40.4	63	4.9	45	19.8	41	15.7	68
Logan.....	880	64.8	10	0.0	73	34.6	6	30.2	12
Loup.....	722	19.1	91	0.0	73	7.5	88	11.6	87
McPherson.....	553	18.8	92	0.0	73	5.1	91	13.7	77
Madison.....	32,384	40.7	61	3.1	65	18.3	53	19.3	46
Merrick.....	8,161	40.8	60	0.0	73	15.8	69	25.0	21
Morrill.....	5,544	46.4	47	7.2	31	19.2	45	19.9	42
Nance.....	4,352	49.2	38	9.2	22	24.9	19	15.1	70
Nemaha.....	8,073	43.2	52	0.0	73	16.5	66	26.7	17
Nuckolls.....	6,033	50.7	31	3.3	63	26.8	12	20.7	40
Otoe.....	14,416	50.0	32	8.3	27	21.8	28	19.9	42
Pawnee.....	3,440	48.3	40	11.6	15	16.9	61	19.7	44
Perkins.....	3,438	31.6	81	5.8	39	11.3	84	14.4	73
Phelps.....	9,817	39.6	68	4.1	54	21.8	28	13.7	77
Pierce.....	7,920	51.4	27	5.1	43	20.8	36	25.6	20
Platte.....	29,250	35.8	75	4.8	48	14.1	76	16.9	57
Polk.....	5,740	61.2	13	3.5	61	30.6	9	27.1	16
Red Willow.....	11,944	43.7	51	6.7	33	19.2	45	17.8	50
Richardson.....	10,118	41.2	59	4.0	55	23.2	24	14.0	74
Rock.....	2,099	65.1	9	9.5	21	38.9	2	16.7	59
Saline.....	12,761	52.8	24	4.7	49	24.7	20	23.4	26
Sarpy.....	99,079	17.7	93	1.6	69	6.9	89	9.2	90
Saunders.....	18,290	47.2	44	4.4	51	20.4	37	22.5	31
Scotts Bluff.....	36,574	42.3	54	8.2	28	16.3	67	17.7	52
Seward.....	15,330	25.1	87	0.0	73	12.0	82	13.1	84
Sheridan.....	6,864	71.2	6	20.4	4	20.3	38	30.5	10
Sherman.....	3,832	58.2	16	5.2	42	19.1	47	33.9	6
Sioux.....	1,603	54.8	22	0.0	73	8.0	87	46.8	2
Stanton.....	6,236	26.6	86	0.0	73	15.7	70	10.9	88
Thayer.....	6,809	42.2	56	8.8	26	16.7	64	16.7	59
Thomas.....	867	35.7	76	0.0	73	19.6	42	16.1	65
Thurston.....	6,958	125.2	1	54.6	1	29.2	10	41.4	3
Valley.....	5,344	51.0	29	3.7	59	25.2	17	22.1	34
Washington.....	16,283	32.0	79	3.7	59	14.5	75	13.8	76
Wayne.....	9,357	23.3	89	0.0	73	16.8	63	6.4	91
Webster.....	4,376	56.2	20	9.1	25	25.4	15	21.6	37
Wheeler.....	977	56.5	19	20.5	3	2.0	93	34.0	5
York.....	14,432	30.8	83	4.2	52	14.9	73	11.8	86



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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Nevada .....	1,083,768	53.4		14.8		14.0		24.5	
Churchill .....	16,512	61.0	7	15.7	7	14.5	8	30.8	9
Clark .....	660,446	50.4	15	11.6	11	14.7	7	24.1	13
Douglas .....	25,262	41.9	17	9.5	14	12.2	13	20.2	16
Elko .....	28,429	47.0	16	10.6	13	9.0	17	27.4	11
Esmeralda .....	1,314	63.8	4	15.2	8	21.3	4	27.3	12
Eureka .....	1,371	53.5	14	0.0	16	11.1	16	42.4	2
Humboldt .....	11,455	53.6	13	14.0	9	11.7	15	27.9	10
Lander .....	5,425	76.5	2	18.4	4	12.3	12	45.8	1
Lincoln .....	3,621	62.4	6	11.0	12	13.2	11	38.1	4
Lyon .....	18,246	58.1	10	12.1	10	14.1	9	32.0	7
Mineral .....	6,256	101.8	1	38.4	1	29.5	1	33.9	5
Nye .....	16,235	63.4	5	8.6	15	13.8	10	40.9	3
Pershing .....	3,919	55.3	12	0.0	16	24.2	2	31.1	8
Storey .....	2,322	56.7	11	17.2	6	21.4	3	18.1	17
Washoe .....	236,193	58.6	9	24.4	2	11.8	14	22.3	15
White Pine .....	8,645	69.2	3	18.5	3	17.9	5	32.8	6
Carson City .....	38,116	59.5	8	17.8	5	17.7	6	23.9	14
New Hampshire .....	1,075,217	37.0		6.3		15.9		14.9	
Belknap .....	47,996	50.7	3	6.7	4	25.3	2	18.8	3
Carroll .....	33,546	59.5	2	10.7	2	25.4	1	23.4	1
Cheshire .....	68,631	39.6	6	6.1	7	17.7	5	15.8	5
Coos .....	34,745	60.0	1	15.5	1	23.8	3	20.7	2
Grafton .....	73,165	42.3	4	9.8	3	16.5	6	15.9	4
Hillsborough .....	326,644	33.4	8	5.6	8	14.5	8	13.3	10
Merrimack .....	115,497	35.9	7	6.6	5	14.6	7	14.7	7
Rockingham .....	236,041	32.7	9	5.2	9	13.6	10	13.8	9
Strafford .....	100,914	31.5	10	3.4	10	14.1	9	14.1	8
Sullivan .....	38,038	41.0	5	6.3	6	19.2	4	15.5	6
New Jersey .....	7,692,922	39.7		7.7		18.9		13.2	
Atlantic .....	218,352	52.7	2	11.7	3	22.4	4	18.7	4
Bergen .....	834,310	32.1	15	4.6	16	18.0	12	9.6	20
Burlington .....	388,286	31.2	17	4.0	19	15.0	15	12.3	12
Camden .....	498,565	42.1	9	8.5	7	18.4	11	15.2	7
Cape May .....	93,112	52.3	3	8.8	6	28.1	1	15.4	6
Cumberland .....	137,368	43.4	7	4.8	15	17.7	13	20.9	1
Essex .....	795,717	55.4	1	13.4	1	22.7	3	19.3	2
Gloucester .....	223,574	34.9	14	6.2	12	14.3	17	14.4	8
Hudson .....	560,000	47.8	4	12.0	2	22.0	5	13.8	10
Hunterdon .....	104,181	29.1	19	2.9	21	14.2	20	12.0	14
Mercer .....	322,382	45.0	5	11.2	4	19.8	7	14.0	9
Middlesex .....	660,984	31.4	16	4.1	18	16.3	14	11.0	17
Monmouth .....	545,901	36.0	12	6.9	10	18.9	9	10.2	19
Morris .....	421,274	30.0	18	5.0	13	14.3	17	10.7	18
Ocean .....	418,169	43.0	8	7.0	9	23.5	2	12.4	11
Passaic .....	455,765	41.6	10	10.7	5	18.9	9	12.0	14
Salem .....	65,127	45.0	5	6.4	11	19.8	7	18.8	3
Somerset .....	231,792	27.6	21	3.7	20	14.3	17	9.6	20
Sussex .....	128,252	29.0	20	4.2	17	13.7	21	11.1	16
Union .....	499,664	41.2	11	7.8	8	21.0	6	12.3	12
Warren .....	90,146	35.4	13	4.9	14	14.6	16	15.9	5
New Mexico .....	1,490,250	55.5		14.2		13.0		28.3	
Bernalillo .....	469,777	49.7	25	12.8	17	12.1	22	24.8	24
Catron .....	2,568	58.7	14	7.8	27	8.6	28	42.3	7

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**Unadjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Chaves .....	57,410	52.4	22	10.5	20	18.7	7	23.2	27
Colfax .....	13,355	50.9	24	10.5	20	19.7	6	20.7	29
Curry .....	42,640	41.1	30	8.4	25	14.0	13	18.6	30
De Baca .....	2,343	94.7	5	8.5	24	34.6	1	51.6	2
Dona Ana .....	131,370	38.8	31	7.0	28	10.9	26	20.8	28
Eddy .....	50,193	55.2	18	8.4	25	21.1	5	25.8	23
Grant .....	27,290	55.2	18	13.2	14	17.1	9	24.8	24
Guadalupe .....	4,275	48.9	26	4.7	30	14.2	12	30.0	19
Harding .....	1,004	52.2	23	0.0	32	3.0	32	49.2	4
Hidalgo .....	6,019	47.3	27	10.0	23	7.1	30	30.2	18
Lea .....	58,823	42.3	29	5.1	29	13.6	14	23.6	26
Lincoln .....	12,386	56.9	17	12.9	16	11.0	25	33.0	16
Los Alamos .....	18,064	27.8	32	4.4	31	6.6	31	16.8	32
Luna .....	17,793	81.3	7	18.0	7	25.9	4	37.4	11
McKinley .....	60,252	100.5	1	38.8	1	11.2	24	50.5	3
Mora .....	4,366	84.1	6	18.3	6	18.6	8	47.1	6
Otero .....	51,288	57.4	16	17.9	8	13.4	16	26.0	22
Quay .....	10,982	64.7	10	10.9	19	16.4	11	37.4	11
Rio Arriba .....	33,738	97.7	3	36.8	2	13.6	14	47.3	5
Roosevelt .....	16,684	44.4	28	13.2	14	12.7	19	18.4	31
Sandoval .....	57,174	54.0	21	14.7	12	10.1	27	29.2	20
San Juan .....	92,882	61.0	12	15.1	11	7.3	29	38.6	9
San Miguel .....	25,497	77.1	9	24.3	5	16.7	10	36.1	13
Santa Fe .....	94,393	54.7	20	15.7	10	12.4	21	26.6	21
Sierra .....	9,699	98.4	2	28.9	3	30.5	2	39.0	8
Socorro .....	14,575	63.2	11	17.8	9	12.7	19	32.7	17
Taos .....	22,833	77.3	8	27.2	4	11.9	23	38.2	10
Torrance .....	9,689	58.0	15	10.3	22	13.3	17	34.4	14
Union .....	4,403	95.5	4	13.6	13	29.0	3	52.9	1
Valencia/Cibola .....	66,483	59.1	13	12.6	18	12.9	18	33.6	15
New York .....	17,924,886	45.2		9.7		18.4		17.0	
Albany .....	292,286	36.1	52	2.8	56	20.9	15	12.4	57
Allegany .....	50,344	38.1	36	3.2	52	18.0	31	17.0	26
Bronx .....	1,197,401	63.9	2	15.6	3	20.8	16	27.5	1
Broome .....	212,992	40.9	22	6.5	17	21.3	11	13.1	51
Cattaraugus .....	84,920	39.0	34	6.1	25	18.9	23	13.9	45
Cayuga .....	81,837	40.8	25	5.4	34	19.2	21	16.3	29
Chautauqua .....	143,042	44.9	11	6.6	15	22.2	6	16.1	30
Chemung .....	94,300	40.3	28	4.7	41	21.7	8	13.9	45
Chenango .....	51,036	37.9	40	5.9	26	14.3	57	17.8	17
Clinton .....	84,990	29.0	61	2.8	56	13.1	61	13.0	53
Columbia .....	62,435	46.2	9	9.6	5	18.6	26	18.0	15
Cortland .....	48,687	37.2	44	4.5	42	18.2	30	14.4	42
Delaware .....	46,933	49.5	5	6.4	20	20.2	20	22.9	2
Dutchess .....	256,593	40.8	25	6.5	17	18.4	27	15.9	34
Erie .....	973,216	43.5	14	6.6	15	22.7	3	14.2	44
Essex .....	36,999	49.3	6	8.6	7	21.2	13	19.4	11
Franklin .....	46,086	40.1	30	3.5	50	20.5	17	16.1	30
Fulton .....	54,465	41.5	21	4.8	37	18.3	29	18.4	12
Genesee .....	59,865	40.9	22	3.7	48	15.4	53	21.7	6
Greene .....	43,870	45.1	10	3.2	52	22.3	5	19.6	10
Hamilton .....	5,215	48.1	7	7.7	11	22.7	3	17.8	17
Herkimer .....	66,024	39.2	32	6.4	20	18.4	27	14.4	42
Jefferson .....	103,107	37.9	40	4.3	43	17.8	32	15.8	35
Kings .....	2,297,375	56.9	3	17.2	2	17.6	34	22.0	5
Lewis .....	26,019	37.7	42	5.4	34	16.2	47	16.1	30
Livingston .....	61,295	35.0	54	4.2	45	14.4	55	16.4	28
Madison .....	68,395	40.3	28	5.6	30	17.4	36	17.3	21

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**Unadjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Monroe .....	712,644	36.3	51	6.9	13	16.4	42	13.0	53
Montgomery .....	52,146	42.9	15	3.5	50	23.7	2	15.7	36
Nassau .....	1,296,988	33.5	56	5.2	36	16.3	45	12.0	59
New York .....	1,478,328	65.1	1	20.5	1	22.1	7	22.5	4
Niagara .....	220,499	42.4	16	5.8	27	21.4	10	15.2	38
Oneida .....	252,023	41.6	20	6.2	23	20.4	18	15.0	39
Onondaga .....	468,524	36.4	49	6.5	17	17.0	39	12.9	55
Ontario .....	94,290	37.1	45	5.5	33	16.1	48	15.5	37
Orange .....	297,573	39.2	32	5.7	28	16.4	42	17.1	25
Orleans .....	40,954	38.1	36	2.4	59	14.5	54	21.2	7
Oswego .....	120,301	38.1	36	4.3	43	16.3	45	17.5	19
Otsego .....	59,973	36.9	46	3.0	55	16.4	42	17.5	19
Putnam .....	82,434	29.2	60	2.7	58	13.5	59	13.1	51
Queens .....	1,950,610	44.2	12	10.3	4	16.9	40	17.0	26
Rensselaer .....	154,037	38.2	35	5.6	30	19.1	22	13.5	48
Richmond .....	375,398	33.9	55	6.8	14	15.9	50	11.1	62
Rockland .....	265,530	31.4	57	3.6	49	15.9	50	11.8	61
St. Lawrence .....	112,571	36.6	47	3.9	47	16.7	41	16.0	33
Saratoga .....	174,261	31.0	58	4.1	46	14.2	58	12.7	56
Schenectady .....	149,561	40.9	22	6.3	22	21.2	13	13.5	48
Schoharie .....	31,283	38.0	39	3.2	52	17.5	35	17.3	21
Schuyler .....	18,472	36.4	49	2.2	61	14.4	55	19.9	8
Seneca .....	33,608	37.3	43	4.8	37	17.7	33	14.8	40
Steuben .....	98,388	47.5	8	8.1	9	21.3	11	18.0	15
Suffolk .....	1,315,379	36.5	48	7.0	12	15.9	50	13.6	47
Sullivan .....	68,174	55.6	4	8.8	6	24.1	1	22.7	3
Tioga .....	51,742	30.2	59	2.3	60	13.4	60	14.5	41
Tompkins .....	92,475	27.6	62	4.8	37	10.5	62	12.3	58
Ulster .....	163,892	42.4	16	5.6	30	18.7	25	18.1	14
Warren .....	57,891	44.1	13	7.9	10	18.9	23	17.2	23
Washington .....	58,206	40.5	27	6.2	23	17.2	38	17.2	23
Wayne .....	88,333	40.1	30	5.7	28	16.1	48	18.4	12
Westchester .....	874,301	41.8	19	8.3	8	20.3	19	13.2	50
Wyoming .....	42,026	42.0	18	4.8	37	17.4	36	19.8	9
Yates .....	22,344	35.2	53	1.8	62	21.6	9	11.9	60
North Carolina .....	6,480,558	51.1		11.0		17.1		22.9	
Alamance .....	105,857	51.0	63	12.5	42	17.4	65	21.1	75
Alexander .....	27,035	43.0	92	6.7	87	13.5	91	22.9	65
Alleghany .....	9,564	57.9	40	16.7	15	21.2	26	20.0	82
Anson .....	23,912	72.1	8	15.9	18	21.3	25	34.9	6
Ashe .....	22,269	38.9	95	5.4	91	15.5	81	18.0	94
Avery .....	14,776	55.3	47	13.5	31	17.2	68	24.5	51
Beaufort .....	42,386	64.5	22	13.2	33	28.1	3	23.1	59
Bertie .....	20,596	70.3	12	12.6	40	23.1	17	34.6	7
Bladen .....	28,939	64.3	23	7.6	79	20.3	37	36.4	3
Brunswick .....	48,574	57.6	41	10.3	61	18.6	53	28.7	22
Buncombe .....	172,048	54.6	50	12.2	43	20.8	29	21.6	74
Burke .....	75,043	46.1	82	9.1	72	13.8	90	23.2	57
Cabarrus .....	96,172	42.4	94	7.1	83	16.3	75	19.0	90
Caldwell .....	69,940	46.4	80	7.4	81	15.9	78	23.1	59
Camden .....	5,801	50.8	65	3.4	97	19.6	39	27.8	28
Carteret .....	51,271	56.0	44	13.7	29	18.9	46	23.4	55
Caswell .....	20,923	59.5	36	10.5	58	21.5	23	27.5	33
Catawba .....	115,859	46.5	79	7.9	78	15.3	82	23.3	56
Chatham .....	37,709	56.0	44	13.8	27	16.2	76	26.0	43
Cherokee .....	19,830	55.5	46	15.1	20	18.3	56	22.1	69
Chowan .....	13,318	67.4	17	15.0	21	26.2	8	26.2	40
Clay .....	7,110	46.6	77	11.3	51	18.8	49	16.6	97

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Cleveland .....	84,341	53.7	54	14.5	24	18.5	54	20.7	78
Columbus .....	49,932	60.4	33	6.4	88	20.4	35	33.6	8
Craven .....	80,449	37.0	96	4.0	95	14.1	89	18.9	92
Cumberland .....	270,984	42.6	93	9.4	68	11.3	97	21.9	70
Currituck .....	13,295	62.9	25	18.1	10	17.3	67	27.6	29
Dare .....	20,678	44.7	89	10.6	56	14.3	86	19.7	84
Davidson .....	123,314	45.5	85	9.4	68	14.2	87	21.9	70
Davie .....	27,716	43.8	91	5.1	92	11.9	96	26.9	38
Duplin .....	40,261	64.8	21	14.9	23	22.2	20	27.6	29
Durham .....	176,034	47.4	75	13.3	32	16.5	72	17.7	95
Edgecombe .....	56,452	70.8	10	20.5	6	22.9	19	27.3	34
Forsyth .....	261,669	51.8	60	12.0	47	18.9	46	20.8	77
Franklin .....	35,291	60.3	34	11.3	51	18.7	51	30.2	19
Gaston .....	172,619	51.2	61	9.3	70	18.8	49	23.1	59
Gates .....	9,210	59.8	35	2.2	99	18.1	59	39.5	1
Graham .....	7,237	49.0	71	13.8	27	16.2	76	19.0	90
Granville .....	37,432	70.8	10	18.2	8	21.2	26	31.5	17
Greene .....	15,620	45.8	83	6.4	88	15.9	78	23.5	54
Guilford .....	339,997	48.9	72	10.5	58	18.2	58	20.2	80
Halifax .....	55,174	74.4	4	21.7	3	26.6	6	26.1	42
Harnett .....	66,015	61.1	31	10.9	55	18.5	54	31.7	14
Haywood .....	47,087	54.3	52	10.6	56	18.9	46	24.8	48
Henderson .....	67,494	56.8	42	9.8	64	23.0	18	24.0	53
Hertford .....	22,881	70.2	13	21.9	2	20.7	32	27.6	29
Hoke .....	22,542	46.6	77	9.8	64	16.5	72	20.4	79
Hyde .....	5,575	83.8	3	21.5	4	23.5	15	38.7	2
Iredell .....	90,506	56.3	43	11.0	54	17.0	70	28.3	25
Jackson .....	26,579	50.9	64	12.8	37	17.1	69	21.0	76
Johnston .....	79,316	63.1	24	14.1	25	20.3	37	28.6	23
Jones .....	9,454	59.4	37	8.5	75	19.3	41	31.6	15
Lee .....	40,773	61.5	28	17.2	14	14.7	85	29.6	20
Lenoir .....	57,668	60.6	32	11.1	53	22.2	20	27.2	35
Lincoln .....	48,321	47.6	74	8.3	77	16.4	74	23.0	63
McDowell .....	35,652	51.2	61	9.0	73	17.4	65	24.8	48
Macon .....	23,087	53.3	57	12.1	45	21.9	22	19.3	88
Madison .....	17,012	54.7	48	2.4	98	27.2	4	25.2	46
Martin .....	25,317	73.9	6	16.6	16	25.5	10	31.8	13
Mecklenburg .....	487,898	45.5	85	12.2	43	13.4	92	19.9	83
Mitchell .....	14,338	46.3	81	8.4	76	17.7	63	20.1	81
Montgomery .....	23,346	53.7	54	12.9	36	17.6	64	23.2	57
Moore .....	56,854	65.5	20	13.0	35	24.5	11	28.0	27
Nash .....	74,939	66.7	19	17.3	12	20.8	29	28.6	23
New Hanover .....	117,476	50.6	67	12.8	37	18.7	51	19.1	89
Northampton .....	21,258	84.2	2	19.8	7	32.0	1	32.4	9
Onslow .....	143,945	27.3	100	5.0	93	7.6	100	14.7	99
Orange .....	90,076	31.2	99	4.4	94	9.9	99	16.8	96
Pamlico .....	11,284	47.1	76	7.1	83	13.0	93	27.0	36
Pasquotank .....	30,653	48.4	73	5.9	90	20.6	34	21.9	70
Pender .....	27,277	61.5	28	9.5	67	20.4	35	31.6	15
Perquimans .....	10,222	62.5	26	9.8	64	26.6	6	26.0	43
Person .....	29,879	59.2	38	11.4	50	21.5	23	26.3	39
Pitt .....	103,948	50.2	69	12.7	39	18.0	60	19.4	86
Polk .....	14,197	69.4	15	14.1	25	23.4	16	31.9	12
Randolph .....	103,093	45.1	87	6.8	85	14.2	87	24.1	52
Richmond .....	44,717	71.1	9	15.7	19	26.1	9	29.4	21
Robeson .....	104,337	69.3	16	13.6	30	19.2	42	36.4	3
Rockingham .....	85,387	58.3	39	13.1	34	19.0	44	26.2	40
Rowan .....	108,201	54.3	52	11.5	49	21.0	28	21.9	70
Rutherford .....	56,388	53.7	54	9.2	71	19.0	44	25.5	45
Sampson .....	47,522	73.6	7	17.3	12	24.3	13	32.1	10

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Scotland .....	33,326	61.4	30	12.0	47	17.9	61	31.5	17
Stanly .....	51,018	52.5	59	8.6	74	20.8	29	23.1	59
Stokes .....	36,502	50.0	70	10.4	60	16.6	71	23.0	63
Surry.....	61,321	54.7	48	12.1	45	17.8	62	24.8	48
Swain.....	11,254	62.3	27	16.0	17	19.2	42	27.0	36
Transylvania.....	25,374	54.4	51	12.6	40	19.4	40	22.4	68
Tyrrell .....	3,905	66.9	18	25.6	1	26.7	5	14.5	100
Union.....	81,189	45.7	84	10.3	61	12.5	94	22.9	65
Vance .....	38,566	74.1	5	18.2	8	24.0	14	32.0	11
Wake .....	399,035	33.5	97	7.5	80	10.8	98	15.2	98
Warren.....	17,071	87.0	1	21.1	5	30.7	2	35.1	5
Washington .....	14,028	50.7	66	10.0	63	15.8	80	25.0	47
Watauga.....	36,226	32.8	98	2.2	99	12.3	95	18.4	93
Wayne .....	102,777	52.8	58	15.0	21	15.3	82	22.5	67
Wilkes.....	59,217	50.3	68	6.8	85	15.3	82	28.2	26
Wilson.....	65,259	69.5	14	17.5	11	24.4	12	27.6	29
Yadkin .....	29,961	45.1	87	7.3	82	18.3	56	19.4	86
Yancey .....	15,379	44.2	90	3.9	96	20.7	32	19.6	85
North Dakota .....	654,270	37.8		7.8		15.1		15.0	
Adams .....	3,368	28.5	44	0.0	43	15.6	31	12.9	38
Barnes .....	12,898	54.8	10	6.2	29	27.5	5	21.1	16
Benson .....	7,465	83.9	3	34.8	2	15.4	33	33.7	3
Billings.....	1,146	5.6	53	0.0	43	5.6	52	0.0	53
Bottineau .....	8,376	53.4	11	9.6	15	24.1	12	19.7	18
Bowman .....	3,816	31.7	40	0.0	43	12.4	39	19.3	20
Burke .....	3,244	46.5	23	6.2	29	26.1	8	14.2	31
Burleigh .....	60,312	28.5	44	5.6	35	11.6	41	11.3	46
Cass .....	101,459	26.4	48	6.5	27	11.2	43	8.7	48
Cavalier .....	6,483	51.0	16	6.2	29	18.6	28	26.2	8
Dickey.....	6,464	35.9	35	3.1	41	21.4	20	11.4	45
Divide .....	3,063	41.7	30	0.0	43	20.8	22	20.8	17
Dunn .....	4,272	49.1	21	4.7	38	8.0	51	36.4	2
Eddy .....	3,075	65.7	5	13.0	8	26.9	7	25.8	9
Emmons .....	5,105	50.7	18	11.8	10	22.6	17	16.3	27
Foster .....	4,160	88.8	2	14.4	7	40.6	1	33.7	3
Golden Valley.....	2,234	26.8	47	0.0	43	12.6	38	14.1	32
Grand Forks .....	70,548	26.2	49	6.0	32	8.5	49	11.8	44
Grant .....	3,776	44.3	25	10.6	12	20.3	23	13.3	35
Griggs.....	3,434	55.2	9	5.8	33	27.5	5	21.8	15
Hettinger.....	3,683	27.7	46	0.0	43	19.5	26	8.2	51
Kidder .....	3,449	23.5	51	0.0	43	11.4	42	12.2	42
La Moure .....	5,664	35.0	37	0.0	43	20.2	24	14.8	29
Logan .....	2,973	35.8	36	6.7	26	21.8	19	7.3	52
McHenry .....	6,859	53.1	12	11.7	11	22.8	16	18.6	21
McIntosh.....	4,218	51.0	16	9.5	18	23.8	14	17.7	24
McKenzie.....	6,925	51.3	15	8.7	19	15.2	34	27.4	6
McLean.....	10,997	41.7	30	5.5	36	22.0	18	14.3	30
Mercer .....	10,436	34.4	38	5.7	34	10.1	46	18.6	21
Morton .....	24,429	37.9	33	7.4	25	13.0	36	17.5	25
Mountrail.....	7,405	71.8	4	16.2	5	24.9	9	30.7	5
Nelson .....	4,626	50.6	19	8.6	20	28.2	4	13.7	33
Oliver .....	2,465	25.7	50	0.0	43	9.7	47	16.0	28
Pembina .....	9,518	52.9	14	16.8	4	23.3	15	12.8	39
Pierce .....	5,349	48.9	22	7.5	24	29.3	3	12.2	42
Ramsey .....	12,795	37.5	34	4.7	38	19.8	25	13.0	37
Ransom .....	6,153	43.7	27	6.5	27	24.9	9	12.3	41
Renville.....	3,321	44.3	25	12.0	9	24.0	13	8.3	50
Richland .....	18,677	43.2	28	9.6	15	21.2	21	12.4	40

Table 2

**Unadjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986-1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Rolette .....	13,006	59.6	7	20.0	3	12.9	37	26.7	7
Sargent .....	4,779	32.3	39	4.2	40	11.8	40	16.4	26
Sheridan .....	2,267	16.8	52	0.0	43	8.2	50	8.6	49
Sioux .....	3,703	124.9	1	59.4	1	8.9	48	56.6	1
Slope .....	983	29.9	41	0.0	43	4.9	53	25.0	10
Stark .....	23,824	29.5	42	7.6	23	10.8	44	11.1	47
Steele .....	2,547	49.9	20	7.9	22	18.0	29	24.1	11
Stutsman .....	22,728	39.0	32	9.7	14	15.6	31	13.7	33
Towner .....	3,760	53.0	13	10.6	12	19.0	27	23.3	13
Trails .....	9,065	46.2	24	2.2	42	24.5	11	19.5	19
Walsh .....	14,381	59.8	6	8.3	21	29.4	2	22.1	14
Ward .....	59,426	29.3	43	5.4	37	10.7	45	13.3	35
Wells .....	6,175	56.9	8	16.2	5	17.1	30	23.6	12
Williams .....	22,987	42.2	29	9.6	15	14.7	35	17.9	23
Ohio .....	10,793,925	38.0		5.1		17.1		15.8	
Adams .....	24,917	49.9	2	8.8	1	16.9	35	24.1	3
Allen .....	109,626	39.7	25	4.2	21	16.1	42	19.4	18
Ashland .....	47,033	34.5	57	2.6	56	14.4	60	17.6	36
Ashtabula .....	100,154	41.8	11	3.6	33	16.7	36	21.5	10
Athens .....	58,978	30.0	77	2.0	72	14.5	58	13.5	80
Auglaize .....	43,983	33.4	61	2.3	67	14.9	50	16.3	53
Belmont .....	73,135	39.0	30	3.0	47	19.3	13	16.7	49
Brown .....	34,278	39.3	28	4.1	24	14.1	65	21.2	11
Butler .....	284,009	37.3	43	6.3	6	15.0	49	16.0	55
Carroll .....	26,435	31.7	72	2.3	67	14.3	62	15.1	66
Champaign .....	35,164	31.9	69	1.1	87	14.8	52	16.0	55
Clark .....	147,207	38.4	33	4.5	19	19.1	14	14.8	69
Clermont .....	145,464	29.1	81	2.5	58	11.1	84	15.6	62
Clinton .....	34,950	39.3	28	4.6	16	17.1	30	17.5	39
Columbiana .....	108,835	37.2	45	1.8	76	18.2	21	17.2	42
Coshocton .....	35,388	43.6	8	3.4	40	19.5	9	20.7	12
Crawford .....	48,139	40.5	17	2.1	71	18.4	18	20.0	14
Cuyahoga .....	1,429,958	48.9	3	8.2	3	21.9	6	18.8	24
Darke .....	53,480	36.4	49	3.0	47	16.5	39	16.9	46
Defiance .....	39,163	38.9	32	3.6	33	15.4	45	20.0	14
Delaware .....	63,609	28.7	82	2.8	51	11.0	86	14.8	69
Erie .....	76,700	40.0	22	5.7	9	16.7	36	17.6	36
Fairfield .....	100,834	29.7	79	2.4	64	14.7	54	12.6	83
Fayette .....	27,496	39.6	27	2.2	69	18.4	18	19.0	23
Franklin .....	938,097	32.1	64	5.9	8	13.7	70	12.4	84
Fulton .....	38,245	37.0	47	1.6	79	12.4	77	23.0	4
Gallia .....	30,627	37.9	36	3.9	28	17.0	31	17.0	45
Geauga .....	78,696	24.8	88	2.5	58	12.5	75	9.8	87
Greene .....	134,404	28.5	84	5.1	13	12.2	79	11.2	86
Guernsey .....	39,300	37.4	39	3.6	33	17.3	27	16.6	51
Hamilton .....	866,768	41.1	15	8.5	2	18.1	23	14.5	74
Hancock .....	65,372	34.5	57	2.8	51	16.0	43	15.7	59
Hardin .....	31,315	38.0	35	3.2	43	17.3	27	17.5	39
Harrison .....	16,361	40.6	16	2.4	64	19.4	11	18.8	24
Henry .....	28,965	34.3	59	1.4	81	14.9	50	18.0	32
Highland .....	35,054	45.9	5	5.7	9	17.9	24	22.3	5
Hocking .....	25,204	40.3	19	3.2	43	15.1	48	22.0	8
Holmes .....	32,042	27.1	86	1.2	85	11.5	81	14.4	75
Huron .....	55,633	32.1	64	5.0	15	11.0	86	16.0	55
Jackson .....	30,287	45.8	6	4.0	27	23.6	4	18.2	27
Jefferson .....	82,302	43.1	9	4.1	24	24.0	3	15.0	68
Knox .....	47,208	37.3	43	2.5	58	20.7	8	14.0	77
Lake .....	214,398	30.0	77	4.3	20	14.4	60	11.3	85

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Lawrence.....	61,843	37.2	45	3.6	33	17.8	25	15.9	58
Licking.....	126,807	32.1	64	3.6	33	14.6	56	13.9	79
Logan.....	41,467	39.0	30	3.4	40	17.4	26	18.3	26
Lorain.....	270,591	36.3	51	5.4	11	16.3	40	14.7	72
Lucas.....	461,643	42.6	10	5.3	12	19.1	14	18.1	31
Madison.....	36,356	32.4	62	2.2	69	14.1	65	16.1	54
Mahoning.....	268,635	48.8	4	5.1	13	24.4	2	19.3	19
Marion.....	64,766	39.7	25	2.8	51	18.7	17	18.2	27
Medina.....	119,419	24.9	87	1.3	83	10.1	88	13.4	82
Meigs.....	23,175	37.4	39	3.5	39	14.0	68	20.0	14
Mercer.....	39,076	31.3	74	3.1	46	14.2	63	14.0	77
Miami.....	91,822	30.8	76	2.4	64	13.7	70	14.7	72
Monroe.....	15,882	41.8	11	2.5	58	21.1	7	18.2	27
Montgomery.....	569,808	39.9	23	6.1	7	17.0	31	16.7	49
Morgan.....	14,133	55.1	1	7.1	5	25.8	1	22.2	6
Morrow.....	27,389	37.6	38	7.3	4	11.1	84	19.2	21
Muskingum.....	82,176	36.8	48	3.7	31	16.2	41	16.9	46
Noble.....	11,444	45.4	7	1.7	78	17.2	29	26.4	1
Ottawa.....	39,917	41.6	14	2.5	58	19.4	11	19.7	17
Paulding.....	20,492	39.8	24	2.9	49	14.8	52	22.0	8
Perry.....	31,414	40.5	17	3.8	29	14.6	56	22.1	7
Pickaway.....	47,302	31.9	69	2.5	58	14.2	63	15.1	66
Pike.....	24,063	38.4	33	4.2	21	13.8	69	20.4	13
Portage.....	140,617	28.3	85	1.4	81	12.7	74	14.2	76
Preble.....	39,614	32.4	62	2.0	72	11.2	83	19.2	21
Putnam.....	33,507	32.0	68	1.2	85	12.5	75	18.2	27
Richland.....	126,463	36.4	49	4.6	16	17.0	31	14.8	69
Ross.....	68,538	32.1	64	1.5	80	13.5	72	17.2	42
Sandusky.....	61,904	37.4	39	2.9	49	15.2	47	19.3	19
Scioto.....	80,858	40.3	19	3.7	31	19.5	9	17.1	44
Seneca.....	60,061	35.8	54	2.7	54	15.5	44	17.6	36
Shelby.....	44,525	31.1	75	1.3	83	14.1	65	15.7	59
Stark.....	367,558	37.8	37	4.2	21	18.3	20	15.4	64
Summit.....	512,126	31.7	72	4.6	16	18.2	21	8.8	88
Trumbull.....	229,810	36.3	51	4.1	24	17.0	31	15.2	65
Tuscarawas.....	84,032	40.2	21	3.6	33	19.1	14	17.5	39
Union.....	31,287	34.9	55	3.8	29	14.5	58	16.6	51
Van Wert.....	30,304	31.8	71	2.6	56	11.4	82	17.8	34
Vinton.....	11,160	37.4	39	0.0	88	13.0	73	24.3	2
Warren.....	109,524	28.6	83	2.7	54	12.3	78	13.5	80
Washington.....	62,717	34.2	60	1.9	75	16.7	36	15.5	63
Wayne.....	99,668	34.7	56	3.2	43	14.7	54	16.8	48
Williams.....	36,655	36.3	51	3.3	42	15.4	45	17.7	35
Wood.....	111,710	29.3	80	2.0	72	11.6	80	15.7	59
Wyandot.....	22,452	41.8	11	1.8	76	22.0	5	18.0	32
Oklahoma.....	3,185,474	43.1		5.4		16.5		21.1	
Adair.....	18,480	61.5	12	2.2	64	22.0	27	37.3	3
Alfalfa.....	6,704	37.0	64	3.0	59	17.5	52	16.5	70
Atoka.....	12,932	33.0	73	4.6	43	12.2	70	16.2	71
Beaver.....	6,367	39.4	61	0.0	71	16.8	53	22.6	38
Beckham.....	19,848	52.3	28	7.1	16	21.9	29	23.3	33
Blaine.....	12,106	63.3	9	6.6	23	27.2	10	29.5	14
Bryan.....	32,168	48.4	39	6.2	29	19.9	41	22.3	39
Caddo.....	30,534	56.7	18	3.9	51	22.2	26	30.5	7
Canadian.....	73,128	26.2	76	1.6	68	8.7	76	15.9	73
Carter.....	44,298	56.8	17	9.0	8	21.2	36	26.6	24
Cherokee.....	33,772	45.2	46	7.7	14	14.8	62	22.8	36
Choctaw.....	15,577	71.6	3	14.1	3	29.0	4	28.4	16

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Cimarron.....	3,396	56.7	18	5.9	31	27.7	8	23.1	35
Cleveland .....	170,261	24.5	77	2.7	62	8.1	77	13.7	76
Coal .....	5,865	64.0	7	10.2	6	28.5	6	25.3	26
Comanche.....	113,358	36.5	65	6.4	28	11.4	74	18.7	60
Cotton.....	6,786	44.7	47	5.9	31	26.9	11	12.0	77
Craig.....	14,346	70.3	4	8.4	10	31.6	2	30.4	8
Creek.....	62,770	41.8	55	4.5	44	15.3	57	22.0	44
Custer.....	27,859	39.3	62	5.0	38	13.9	66	20.4	49
Delaware .....	27,603	57.9	15	5.8	34	21.2	36	30.9	6
Dewey .....	5,797	78.3	1	6.9	18	33.6	1	37.8	1
Ellis.....	4,906	52.6	26	0.0	71	22.3	23	30.4	8
Garfield.....	59,474	40.7	58	3.7	55	18.4	48	18.7	60
Garvin.....	27,629	53.1	24	4.3	48	23.7	19	25.1	27
Grady.....	42,660	39.8	59	3.8	53	15.3	57	20.7	48
Grant.....	6,016	40.9	57	3.3	58	20.0	40	17.6	64
Greer.....	6,738	52.5	27	3.0	59	27.3	9	22.2	40
Harmon.....	3,995	48.0	41	0.0	71	30.5	3	17.5	66
Harper.....	4,256	44.2	48	0.0	71	26.6	12	17.6	64
Haskell.....	11,146	58.7	14	9.0	8	19.5	44	30.2	12
Hughes.....	13,374	52.9	25	4.5	44	26.6	12	21.9	45
Jackson.....	29,592	33.1	72	1.4	69	15.8	54	16.0	72
Jefferson.....	7,395	69.0	5	16.2	1	21.6	32	31.2	5
Johnston.....	10,193	49.0	37	5.9	31	21.0	38	22.1	43
Kay.....	49,250	46.1	43	4.9	41	22.4	22	18.9	58
Kingfisher.....	14,018	34.8	68	2.9	61	14.9	60	17.1	67
Kiowa.....	11,640	53.6	23	5.2	37	22.0	27	26.5	25
Latimer.....	10,261	50.8	34	7.8	13	15.7	56	27.3	19
Le Flore.....	42,763	55.7	22	6.5	26	21.9	29	27.3	19
Lincoln.....	29,342	41.3	56	4.1	50	18.3	49	18.9	58
Logan.....	29,547	43.5	49	1.4	69	21.8	31	20.4	49
Love.....	8,082	50.9	33	4.9	41	22.3	23	23.6	32
McClain.....	23,211	42.9	50	1.7	66	13.2	67	27.9	18
McCurtain.....	33,864	66.3	6	8.3	11	20.5	39	37.6	2
McIntosh.....	16,978	63.8	8	13.0	4	28.7	5	22.2	40
Major.....	8,337	31.1	75	0.0	71	15.8	54	15.3	75
Marshall.....	10,967	71.7	2	14.6	2	25.0	15	32.1	4
Mayes.....	33,631	49.8	35	4.2	49	22.3	23	23.3	33
Murray.....	12,384	62.9	11	9.7	7	24.9	16	28.3	17
Muskogee.....	68,731	51.1	32	6.7	22	19.9	41	24.5	29
Noble.....	11,340	56.9	16	5.3	36	24.4	18	27.2	21
Nowata.....	10,344	48.3	40	3.9	51	24.5	17	19.9	53
Okfuskee.....	11,667	47.3	42	6.9	18	18.2	50	22.2	40
Oklahoma.....	608,263	42.2	53	6.6	23	15.3	57	20.3	51
Okmulgee.....	37,558	52.2	29	6.9	18	21.4	35	23.9	31
Osage.....	42,286	34.5	70	3.8	53	11.6	73	19.1	56
Ottawa.....	31,420	56.4	20	4.5	44	21.5	33	30.4	8
Pawnee.....	16,015	39.6	60	6.2	29	14.9	60	18.4	62
Payne.....	62,475	31.5	74	2.2	64	12.4	68	16.9	68
Pittsburg.....	41,357	59.7	13	12.1	5	23.4	20	24.2	30
Pontotoc.....	34,332	56.1	21	8.2	12	27.8	7	20.2	52
Pottawatomie.....	59,936	49.4	36	5.0	38	19.8	43	24.6	28
Pushmataha.....	11,230	48.5	38	0.0	71	21.5	33	26.9	23
Roger Mills.....	4,505	51.5	30	4.4	47	18.2	50	28.9	15
Rogers.....	54,919	34.9	67	3.6	56	11.9	71	19.3	55
Seminole.....	26,603	51.2	31	2.3	63	19.2	46	29.8	13
Sequoyah.....	33,498	45.7	44	6.6	23	19.4	45	19.7	54
Stephens.....	43,168	42.8	51	6.9	18	19.0	47	16.8	69
Texas.....	17,163	42.2	53	3.5	57	11.7	72	27.0	22
Tillman.....	10,708	63.0	10	7.5	15	25.1	14	30.4	8
Tulsa.....	504,427	39.0	63	5.6	35	14.4	63	19.0	57



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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Wagoner.....	47,797	34.0	71	1.7	66	14.0	65	18.3	63
Washington.....	48,239	42.4	52	7.0	17	14.3	64	21.0	46
Washita.....	12,336	34.8	68	6.5	26	12.4	68	15.9	73
Woods.....	9,546	45.6	45	0.0	71	22.9	21	22.7	37
Woodward.....	20,007	36.5	65	5.0	38	10.6	75	21.0	46
Oregon.....	2,752,002	47.7		11.2		15.3		21.1	
Baker.....	15,343	53.3	18	13.0	15	16.3	17	23.9	18
Benton.....	68,824	29.0	36	3.2	33	10.6	32	15.2	33
Clackamas.....	266,136	37.4	33	8.3	25	12.7	30	16.3	32
Clatsop.....	32,640	55.6	14	19.0	4	15.2	21	21.4	25
Columbia.....	36,482	47.3	23	8.2	26	14.8	23	24.2	17
Coos.....	59,274	64.1	8	15.5	10	20.5	6	28.1	11
Crook.....	13,585	53.8	17	8.8	19	19.0	9	25.9	12
Curry.....	17,965	66.6	7	16.7	8	20.2	8	29.7	7
Deschutes.....	71,882	49.2	22	8.6	20	16.1	18	24.5	16
Douglas.....	92,336	51.1	20	11.9	16	16.5	16	22.7	20
Gilliam.....	1,761	44.2	28	0.0	35	24.9	1	19.3	30
Grant.....	7,862	67.2	6	17.8	6	7.9	36	41.5	3
Harney.....	6,979	72.8	2	22.9	1	13.3	29	36.6	4
Hood River.....	16,510	34.4	34	4.8	32	15.0	22	14.6	34
Jackson.....	140,983	52.4	19	14.2	12	16.6	15	21.6	24
Jefferson.....	13,081	74.5	1	15.3	11	11.0	31	48.2	1
Josephine.....	61,125	60.6	11	13.7	13	21.0	5	25.9	12
Klamath.....	56,876	60.4	12	13.7	13	17.5	12	29.2	9
Lake.....	7,131	67.6	4	16.8	7	17.0	14	33.8	6
Lane.....	274,007	42.0	29	7.9	27	14.4	27	19.6	29
Lincoln.....	37,333	63.7	9	16.1	9	22.4	3	25.3	14
Linn.....	88,973	45.2	26	7.2	29	14.8	23	23.2	19
Malheur.....	26,460	45.5	25	7.6	28	15.4	20	22.5	21
Marion.....	220,323	45.9	24	8.5	23	15.9	19	21.4	25
Morrow.....	7,811	55.3	15	10.2	18	10.5	33	34.5	5
Multnomah.....	573,253	58.2	13	18.8	5	17.2	13	22.3	22
Polk.....	47,714	38.4	32	6.3	30	13.7	28	18.4	31
Sherman.....	1,976	40.0	30	20.2	3	10.2	34	9.5	36
Tillamook.....	21,065	69.2	3	20.9	2	18.8	10	29.5	8
Umatilla.....	58,964	54.1	16	10.9	17	17.9	11	25.3	14
Union.....	23,342	44.4	27	8.6	20	14.7	25	21.2	27
Wallowa.....	6,942	61.0	10	8.6	20	23.7	2	28.7	10
Wasco.....	21,536	50.9	21	8.4	24	20.3	7	22.2	23
Washington.....	291,878	29.7	35	5.6	31	10.2	34	13.9	35
Wheeler.....	1,445	67.3	5	0.0	35	21.7	4	45.5	2
Yamhill.....	62,208	38.6	31	3.2	33	14.7	25	20.7	28
Pennsylvania.....	11,838,394	41.8		5.2		19.8		16.9	
Adams.....	75,690	36.0	53	3.4	35	14.7	58	17.9	33
Allegheny.....	1,353,695	42.1	26	6.0	8	22.9	9	13.2	64
Armstrong.....	74,491	37.8	47	2.1	59	19.4	26	16.3	46
Beaver.....	188,767	37.9	45	4.3	21	19.8	23	13.8	60
Bedford.....	47,669	38.5	41	2.5	55	16.8	44	19.2	24
Berks.....	330,143	39.6	33	4.1	23	18.6	30	17.0	41
Blair.....	131,120	43.4	20	5.2	14	21.8	15	16.5	45
Bradford.....	61,228	42.9	22	2.9	51	16.7	46	23.2	7
Bucks.....	527,059	31.7	63	3.3	40	14.2	61	14.2	59
Butler.....	150,845	37.0	50	3.0	47	16.0	51	18.0	29
Cambria.....	166,518	42.3	24	4.7	15	22.8	10	14.9	54
Cameron.....	6,003	67.3	3	16.7	1	22.8	10	27.9	2
Carbon.....	55,689	44.0	16	3.2	43	21.6	16	19.2	24

Table 2

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Centre.....	121,321	24.3	67	2.8	53	10.9	67	10.6	67
Chester.....	360,295	30.6	64	3.0	47	13.3	63	14.3	58
Clarion.....	42,003	32.2	62	1.9	61	15.3	52	15.0	52
Clearfield.....	79,064	44.2	15	4.6	16	19.8	23	19.9	19
Clinton.....	37,318	44.9	11	3.8	28	21.1	17	20.1	18
Columbia.....	62,854	38.3	42	3.2	43	19.6	25	15.5	49
Crawford.....	86,816	39.6	33	3.5	32	18.1	33	18.0	29
Cumberland.....	191,849	29.7	66	2.8	53	15.3	52	11.6	66
Dauphin.....	236,109	38.3	42	3.9	26	17.8	35	16.6	43
Delaware.....	549,086	42.2	25	7.0	4	20.6	20	14.6	57
Elk.....	35,613	44.6	12	6.7	5	21.0	18	16.8	42
Erie.....	276,914	38.8	39	4.5	18	19.4	26	14.9	54
Fayette.....	148,080	48.4	6	4.5	18	23.3	8	20.6	16
Forest.....	4,820	69.0	1	16.6	2	26.6	2	25.8	3
Franklin.....	119,447	40.4	29	4.0	24	18.2	32	18.2	28
Fulton.....	13,641	39.4	35	2.9	51	12.2	65	24.2	6
Greene.....	40,031	38.9	37	3.5	32	16.9	42	18.5	27
Huntingdon.....	43,799	39.0	36	1.4	63	16.2	48	21.4	14
Indiana.....	90,546	37.9	45	2.0	60	16.5	47	19.4	23
Jefferson.....	46,721	38.9	37	3.0	47	18.5	31	17.4	38
Juniata.....	20,329	36.8	51	1.0	65	14.8	57	21.1	15
Lackawanna.....	220,242	43.6	18	5.5	11	24.4	5	13.6	61
Lancaster.....	408,575	30.1	65	2.3	57	14.5	60	13.3	62
Lawrence.....	97,790	40.6	27	3.3	40	21.9	13	15.5	49
Lebanon.....	112,367	34.9	55	3.2	43	17.0	41	14.8	56
Lehigh.....	286,241	35.5	54	3.4	35	16.8	44	15.2	51
Luzerne.....	329,236	45.8	10	6.3	7	24.0	6	15.6	48
Lycoming.....	117,687	38.1	44	3.7	30	17.1	40	17.2	39
McKean.....	47,745	40.1	30	5.4	12	16.9	42	17.8	36
Mercer.....	122,197	43.2	21	5.7	9	20.4	21	17.1	40
Mifflin.....	46,124	34.4	57	1.3	64	15.2	55	17.9	33
Monroe.....	88,614	43.5	19	5.4	12	16.2	48	21.9	11
Montgomery.....	669,644	34.8	56	4.0	24	17.5	37	13.3	62
Montour.....	17,547	44.3	13	3.4	35	21.9	13	19.0	26
Northampton.....	240,688	33.7	59	3.4	35	17.3	39	12.9	65
Northumberland.....	97,393	46.0	9	4.3	21	23.7	7	18.0	29
Perry.....	39,894	39.7	32	2.5	55	14.7	58	22.5	9
Philadelphia.....	1,602,031	63.0	4	11.1	3	26.3	3	25.6	4
Pike.....	25,138	37.8	47	3.2	43	15.0	56	19.6	22
Potter.....	16,957	44.3	13	3.5	32	16.2	48	24.6	5
Schuylkill.....	153,966	51.0	5	5.6	10	25.5	4	19.9	19
Snyder.....	36,004	33.6	60	0.6	67	15.3	52	17.8	36
Somerset.....	78,782	38.7	40	3.3	40	17.5	37	18.0	29
Sullivan.....	6,115	67.5	2	6.5	6	29.9	1	31.0	1
Susquehanna.....	39,833	42.7	23	1.5	62	19.4	26	21.8	12
Tioga.....	41,000	44.0	16	3.9	26	17.7	36	22.4	10
Union.....	35,619	36.5	52	2.2	58	12.7	64	21.5	13
Venango.....	60,440	40.5	28	4.6	16	18.0	34	17.9	33
Warren.....	45,529	46.3	8	4.4	20	22.0	12	19.8	21
Washington.....	207,128	40.1	30	3.0	47	21.0	18	16.1	47
Wayne.....	38,852	46.5	7	3.6	31	20.4	21	22.6	8
Westmoreland.....	373,358	37.1	49	3.4	35	18.8	29	15.0	52
Wyoming.....	27,659	32.5	61	0.7	66	11.2	66	20.6	16
York.....	332,420	34.1	58	3.8	28	13.7	62	16.6	43
Rhode Island.....	993,578	42.4		8.9		19.7		13.8	
Bristol.....	48,544	33.0	5	6.6	5	17.3	4	9.1	5
Kent.....	159,848	39.2	2	7.6	4	18.2	2	13.4	2
Newport.....	86,836	38.3	3	7.8	3	17.8	3	12.7	4

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Providence .....	591,579	45.6	1	9.5	2	21.4	1	14.7	1
Washington .....	106,771	37.4	4	9.6	1	15.0	5	12.8	3
South Carolina.....	3,416,062	54.5		11.2		17.4		25.9	
Abbeville.....	23,541	51.0	37	5.1	45	23.3	8	22.7	40
Aiken .....	118,229	59.2	24	11.0	29	17.5	31	30.7	20
Allendale .....	11,499	75.3	5	19.1	3	25.0	3	31.2	18
Anderson .....	142,722	49.5	39	8.8	36	17.0	34	23.7	35
Bamberg.....	17,306	64.1	16	11.6	26	18.4	27	34.2	8
Barnwell.....	20,320	52.2	35	3.9	46	16.5	36	31.7	14
Beaufort.....	84,165	48.4	41	11.9	24	16.6	35	19.9	46
Berkeley .....	123,822	36.5	46	5.5	43	9.5	46	21.5	43
Calhoun .....	12,657	69.8	8	17.4	6	22.2	12	30.2	21
Charleston.....	290,239	50.2	38	11.8	25	16.3	37	22.1	41
Cherokee.....	43,571	59.4	23	14.2	12	17.9	30	27.3	28
Chester.....	31,701	64.7	15	10.1	33	20.3	19	34.4	7
Chesterfield.....	38,429	59.2	24	10.9	30	17.3	33	30.9	19
Clarendon.....	28,167	68.9	10	14.2	12	22.5	10	32.2	11
Colleton.....	34,022	67.3	12	12.3	22	23.6	5	31.4	15
Darlington.....	61,990	68.5	11	15.8	8	20.9	16	31.8	12
Dillon .....	29,406	78.5	3	17.7	4	23.5	6	37.3	4
Dorchester.....	78,653	38.6	45	5.6	42	11.1	45	21.8	42
Edgefield.....	18,051	69.8	8	19.9	1	18.5	25	31.4	15
Fairfield.....	21,775	77.5	4	17.5	5	20.4	18	39.7	2
Florence .....	113,588	57.8	26	10.7	31	19.0	23	28.1	25
Georgetown.....	45,425	70.0	7	15.0	11	21.8	14	33.3	10
Greenville .....	312,735	49.2	40	11.5	28	14.9	39	22.9	39
Greenwood.....	58,968	62.1	20	17.3	7	20.2	20	24.6	33
Hampton.....	18,194	61.3	21	13.2	17	22.2	12	25.9	32
Horry.....	137,380	52.4	34	9.2	35	14.0	42	29.2	23
Jasper.....	15,276	82.3	1	13.1	18	25.2	2	44.0	1
Kershaw .....	42,376	60.3	22	12.7	21	20.1	21	27.4	27
Lancaster .....	54,058	47.6	42	5.5	43	14.4	41	27.6	26
Laurens .....	56,883	56.0	29	11.6	26	18.0	29	26.4	30
Lee .....	18,555	52.5	33	6.5	38	19.1	22	26.9	29
Lexington.....	163,906	40.7	44	6.3	39	13.0	43	21.4	44
McCormick .....	8,544	57.4	28	14.0	14	12.1	44	31.3	17
Marion .....	33,886	66.9	14	10.6	32	24.4	4	31.8	12
Marlboro .....	29,768	73.8	6	12.1	23	23.1	9	38.6	3
Newberry.....	32,725	57.6	27	13.4	16	20.6	17	23.6	36
Oconee.....	55,482	63.9	17	15.5	9	18.5	25	29.9	22
Orangeburg.....	84,463	81.8	2	19.9	1	28.1	1	33.8	9
Pickens.....	91,155	41.1	43	5.7	41	14.8	40	20.7	45
Richland .....	280,185	54.1	32	12.8	20	18.4	27	23.0	37
Saluda .....	16,552	63.4	19	6.0	40	22.4	11	35.0	5
Spartanburg .....	221,803	54.3	30	9.7	34	18.6	24	26.0	31
Sumter.....	100,250	54.3	30	13.0	19	17.4	32	23.9	34
Union.....	30,297	67.3	12	15.2	10	23.5	6	28.6	24
Williamsburg.....	37,021	63.6	18	7.6	37	21.0	15	35.0	5
York.....	126,323	52.2	35	13.8	15	15.4	38	23.0	37
South Dakota.....	696,641	43.0		7.6		16.0		19.3	
Aurora.....	3,197	45.3	31	6.3	26	29.8	6	9.2	64
Beadle .....	18,375	45.7	29	5.4	29	22.0	18	18.3	37
Bennett.....	3,222	77.9	7	24.8	6	18.6	23	34.5	9
Bon Homme .....	7,095	58.1	18	8.5	20	31.5	5	18.2	38
Brookings .....	25,240	25.6	61	4.0	37	9.7	57	12.0	53
Brown .....	35,872	33.8	49	3.3	43	17.9	26	12.5	51

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Brule.....	5,569	32.0	52	0.0	48	15.6	39	16.4	42
Buffalo.....	1,694	70.4	12	11.8	15	13.0	47	45.6	6
Butte.....	7,994	42.7	36	5.0	32	17.8	28	19.9	35
Campbell.....	2,022	43.2	34	0.0	48	15.5	40	27.7	14
Charles Mix.....	9,240	60.6	16	17.3	11	15.7	38	27.6	15
Clark.....	4,532	54.7	21	0.0	48	29.5	8	25.2	22
Clay.....	13,157	27.7	60	1.5	46	11.4	51	14.8	44
Codington.....	22,602	30.1	54	5.3	31	13.1	46	11.7	55
Corson.....	4,400	93.9	4	22.7	8	12.3	49	58.8	3
Custer.....	6,301	33.0	51	3.2	44	13.0	47	16.8	40
Davison.....	17,552	44.1	33	4.6	34	18.9	22	20.6	32
Day.....	7,254	75.1	8	13.8	12	29.0	9	32.3	12
Deuel.....	4,673	59.6	17	8.6	19	24.8	14	26.2	19
Dewey.....	5,543	80.8	6	25.3	5	9.7	57	45.9	5
Douglas.....	3,845	28.6	59	0.0	48	18.3	24	10.2	60
Edmunds.....	4,548	74.9	9	0.0	48	51.1	1	23.7	28
Fall River.....	7,549	93.1	5	23.8	7	35.1	2	34.2	10
Faulk.....	2,870	42.2	37	0.0	48	32.9	4	9.3	63
Grant.....	8,500	47.2	27	4.7	33	16.4	33	26.0	20
Gregory.....	5,488	47.3	26	3.6	41	21.8	19	21.9	30
Haakon.....	2,698	24.8	62	0.0	48	8.0	61	16.8	40
Hamlin.....	5,051	44.9	32	0.0	48	20.4	20	24.5	24
Hand.....	4,410	31.4	53	4.5	36	19.1	21	7.8	65
Hanson.....	3,068	38.3	42	6.5	25	4.1	66	27.6	15
Harding.....	1,709	17.9	64	0.0	48	7.6	62	10.3	59
Hughes.....	14,747	28.8	58	1.4	47	10.0	56	17.5	39
Hutchinson.....	8,456	43.1	35	0.0	48	27.9	12	15.3	43
Hyde.....	1,777	41.5	38	0.0	48	15.8	37	25.8	21
Jackson.....	2,954	63.2	14	20.3	9	15.9	35	26.9	17
Jerauld.....	2,511	33.8	49	8.0	22	15.1	41	10.7	57
Jones.....	1,392	9.6	66	0.0	48	5.6	64	4.0	66
Kingsbury.....	6,057	45.6	30	9.9	17	23.8	15	11.9	54
Lake.....	10,678	36.9	46	7.5	23	15.9	35	13.5	48
Lawrence.....	20,376	38.6	41	3.9	38	14.4	43	20.2	34
Lincoln.....	15,134	30.0	56	6.6	24	11.1	52	12.3	52
Lyman.....	3,670	37.1	45	5.4	29	4.9	65	26.8	18
McCook.....	5,809	50.3	25	0.0	48	28.7	10	21.6	31
McPherson.....	3,315	55.4	19	6.0	28	35.0	3	14.4	45
Marshall.....	4,945	51.6	24	0.0	48	18.3	24	33.3	11
Meade.....	21,859	23.4	63	3.7	40	9.4	59	10.4	58
Mellette.....	2,175	113.7	3	55.2	2	15.1	41	43.4	7
Miner.....	3,344	61.9	15	17.9	10	29.7	7	14.3	46
Minnehaha.....	121,788	30.1	54	3.4	42	13.3	45	13.3	49
Moody.....	6,566	29.8	57	6.1	27	10.6	53	13.1	50
Pennington.....	78,902	37.9	43	8.1	21	10.6	53	19.2	36
Perkins.....	4,096	46.6	28	0.0	48	22.7	17	23.9	27
Potter.....	3,298	54.6	22	0.0	48	13.8	44	40.8	8
Roberts.....	10,166	70.5	10	29.5	4	17.4	29	23.6	29
Sanborn.....	2,933	55.2	20	13.6	13	16.8	32	24.8	23
Shannon.....	10,377	167.2	1	80.9	1	17.0	31	69.3	2
Spink.....	8,248	38.8	40	0.0	48	27.5	13	11.3	56
Stanley.....	2,490	34.5	48	0.0	48	10.3	55	24.3	25
Sully.....	1,681	15.8	65	0.0	48	5.8	63	10.0	61
Todd.....	7,967	136.7	2	50.2	3	16.2	34	70.2	1
Tripp.....	7,050	54.4	23	11.3	16	11.6	50	31.4	13
Turner.....	8,680	37.7	44	4.6	34	23.3	16	9.8	62
Union.....	10,228	35.8	47	3.9	38	17.9	26	13.9	47
Walworth.....	6,286	65.2	13	12.7	14	28.4	11	24.1	26
Yankton.....	19,138	39.8	39	2.1	45	17.4	29	20.3	33
Ziebach.....	2,277	70.5	10	8.8	18	9.0	60	52.7	4

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Tennessee.....	4,815,557	48.1		6.2		17.7		24.2	
Anderson.....	67,681	43.3	82	3.5	79	18.6	49	21.2	79
Bedford.....	30,001	48.7	54	6.0	35	19.5	41	23.3	70
Benton.....	14,635	57.4	26	6.8	27	23.4	8	27.2	39
Bledsoe.....	9,628	67.6	4	8.3	17	18.6	49	40.7	2
Blount.....	84,355	42.2	86	5.5	48	16.5	75	20.2	85
Bradley.....	72,351	41.2	89	1.7	91	16.7	73	22.9	72
Campbell.....	35,274	46.0	71	6.2	32	18.5	52	21.3	78
Cannon.....	10,451	58.8	23	5.7	44	20.5	28	32.5	20
Carroll.....	27,630	53.8	33	4.3	63	20.1	34	29.3	30
Carter.....	51,516	51.9	46	8.2	18	18.0	58	25.7	48
Cheatham.....	25,841	41.9	87	3.9	73	13.0	91	25.0	51
Chester.....	12,828	43.9	80	3.1	84	15.0	85	25.8	46
Claiborne.....	25,994	55.4	30	5.4	50	22.4	13	27.6	38
Clay.....	7,308	68.1	3	5.5	48	33.4	1	29.3	30
Cocke.....	29,070	58.6	24	4.1	70	20.8	21	33.7	18
Coffee.....	40,033	44.6	78	7.0	25	18.8	47	18.8	92
Crockett.....	13,670	49.9	51	0.0	92	20.4	29	29.6	28
Cumberland.....	33,368	52.7	40	8.4	16	20.2	31	24.1	61
Davidson.....	504,372	52.6	41	9.6	7	17.4	68	25.6	49
Decatur.....	10,659	64.3	9	5.6	47	18.8	47	39.9	5
De Kalb.....	14,279	60.5	18	9.8	6	15.2	84	35.5	12
Dickson.....	33,759	53.5	36	4.7	58	20.6	24	28.2	33
Dyer.....	34,533	46.8	67	3.5	79	19.6	40	23.7	68
Fayette.....	25,376	54.6	31	3.2	83	20.2	31	31.2	22
Fentress.....	14,795	47.1	63	6.8	27	16.3	78	24.0	62
Franklin.....	34,235	43.0	83	6.4	30	16.5	75	20.0	87
Gibson.....	46,972	51.7	47	5.1	54	22.7	10	23.9	64
Giles.....	25,427	67.4	6	8.7	13	21.7	17	37.0	8
Grainger.....	17,070	53.1	37	5.9	37	22.7	10	24.5	57
Greene.....	55,975	52.4	42	6.4	30	17.8	60	28.1	34
Grundy.....	13,551	67.1	7	5.9	37	24.3	4	36.9	9
Hamblen.....	50,767	51.0	50	7.9	19	19.3	44	23.8	67
Hamilton.....	282,947	46.8	67	7.8	20	18.1	57	20.8	82
Hancock.....	6,770	59.3	22	5.9	37	18.6	49	34.7	15
Hardeman.....	23,384	67.5	5	4.3	63	24.0	5	39.2	7
Hardin.....	22,506	66.3	8	8.9	11	22.4	13	35.0	14
Hawkins.....	44,417	47.3	59	5.9	37	16.7	73	24.8	53
Haywood.....	19,622	53.1	37	3.1	84	20.8	21	29.2	32
Henderson.....	21,782	60.1	20	3.7	77	26.3	2	30.1	25
Henry.....	28,090	62.1	13	7.1	24	25.1	3	29.9	26
Hickman.....	16,438	53.9	32	7.3	21	16.0	81	30.6	23
Houston.....	6,956	64.0	11	0.0	92	23.3	9	40.7	2
Humphreys.....	15,766	52.9	39	10.1	5	20.3	30	22.5	74
Jackson.....	9,268	60.6	16	2.2	90	21.7	17	36.7	11
Jefferson.....	32,866	44.0	79	7.3	21	17.3	70	19.3	91
Johnson.....	13,902	52.4	42	8.6	14	17.4	68	26.3	42
Knox.....	332,502	43.9	80	6.6	29	16.5	75	20.9	81
Lake.....	7,301	58.6	24	11.0	3	23.7	6	23.9	64
Lauderdale.....	23,671	68.3	2	2.5	87	20.6	24	45.2	1
Lawrence.....	35,083	45.7	74	2.9	86	17.7	62	25.1	50
Lewis.....	9,339	53.6	35	4.3	63	19.9	38	29.4	29
Lincoln.....	27,728	49.3	53	5.8	42	17.7	62	25.8	46
Loudon.....	30,751	47.3	59	3.3	81	19.2	45	24.8	53
McMinn.....	42,375	47.3	59	4.7	58	17.7	62	24.9	52
McNairy.....	22,425	61.6	14	5.4	50	19.5	41	36.8	10
Macon.....	15,816	60.4	19	11.4	2	21.2	19	27.8	36
Madison.....	77,626	47.9	56	8.5	15	17.8	60	21.6	76
Marion.....	24,668	53.8	33	5.7	44	20.1	34	27.9	35

Table 2

**Unadjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Marshall.....	21,194	51.3	48	4.7	58	22.2	16	24.4	60
Maury.....	54,084	47.3	59	5.2	52	22.5	12	19.6	88
Meigs.....	7,814	56.0	28	10.2	4	17.9	59	27.8	36
Monroe.....	30,278	56.2	27	4.0	72	20.6	24	31.6	21
Montgomery.....	96,365	34.5	93	3.3	81	12.5	93	18.7	93
Moore.....	4,687	30.3	94	0.0	92	22.4	13	7.9	95
Morgan.....	17,075	47.1	63	4.7	58	16.2	80	26.2	43
Obion.....	32,076	47.1	63	2.5	87	20.1	34	24.5	57
Overton.....	17,598	60.0	21	9.1	9	17.5	67	33.4	19
Perry.....	6,510	64.2	10	6.1	34	18.2	56	39.8	6
Pickett.....	4,544	60.9	15	8.8	12	17.0	72	35.1	13
Polk.....	13,614	60.6	16	5.9	37	20.1	34	34.6	16
Putnam.....	50,638	40.0	90	3.9	73	14.6	87	21.5	77
Rhea.....	24,257	42.5	84	5.8	42	13.2	90	23.5	69
Roane.....	47,498	46.1	70	7.2	23	16.3	78	22.7	73
Robertson.....	40,249	52.0	44	7.0	25	18.4	53	26.6	41
Rutherford.....	111,177	36.8	91	5.0	55	12.4	94	19.4	89
Scott.....	18,776	47.1	63	4.3	63	18.3	54	24.5	57
Sequatchie.....	8,818	45.1	76	2.3	89	18.3	54	24.6	56
Sevier.....	49,005	41.3	88	4.5	62	15.8	83	21.1	80
Shelby.....	815,885	48.4	55	6.0	35	17.6	65	24.8	53
Smith.....	14,234	51.1	49	4.2	68	21.0	20	25.9	45
Stewart.....	9,361	47.9	56	0.0	92	20.6	24	27.2	39
Sullivan.....	143,594	46.7	69	5.2	52	19.5	41	22.1	75
Sumner.....	99,440	36.7	92	4.2	68	13.0	91	19.4	89
Tipton.....	36,353	46.0	71	3.9	73	16.0	81	26.2	43
Trousdale.....	5,857	81.6	1	27.3	1	23.7	6	30.6	23
Unicoi.....	16,593	45.5	75	4.8	57	20.2	31	20.5	84
Union.....	13,208	63.4	12	9.1	9	14.2	88	40.1	4
Van Buren.....	4,868	52.0	44	4.1	70	14.0	89	33.9	17
Warren.....	32,769	44.8	77	3.7	77	17.1	71	24.0	62
Washington.....	92,145	47.4	58	9.6	7	17.6	65	20.2	85
Wayne.....	13,996	55.5	29	5.7	44	19.9	38	29.9	26
Weakley.....	32,192	45.8	73	6.2	32	18.9	46	20.7	83
White.....	19,960	49.6	52	5.0	55	20.7	23	23.9	64
Williamson.....	76,498	29.7	95	3.9	73	10.6	95	15.2	94
Wilson.....	64,941	42.3	85	4.3	63	14.7	86	23.3	70
Texas.....	16,730,189	40.2		4.7		13.7		21.8	
Anderson.....	47,444	41.5	170	3.0	161	15.0	163	23.5	137
Andrews.....	14,960	21.8	249	2.7	175	7.0	246	12.1	246
Angelina.....	69,531	45.1	137	2.9	167	17.6	123	24.6	111
Aransas.....	17,768	47.9	118	9.0	21	17.8	118	21.1	178
Archer.....	7,961	41.8	164	2.5	180	15.8	148	23.4	140
Armstrong.....	2,015	53.9	62	9.9	16	20.3	84	23.6	134
Atascosa.....	29,738	45.9	133	3.4	143	17.1	132	25.4	98
Austin.....	20,153	49.3	103	4.0	122	20.7	77	24.6	111
Bailey.....	7,335	36.5	208	0.0	213	9.8	225	26.7	81
Bandera.....	9,976	66.8	18	16.0	6	18.8	105	32.0	34
Bastrop.....	36,803	43.4	153	2.7	175	14.4	174	26.2	84
Baylor.....	4,516	61.9	30	4.4	104	30.9	13	26.6	82
Bee.....	25,553	35.7	210	3.9	127	14.2	177	17.6	220
Bell.....	185,439	34.6	214	2.9	167	10.1	220	21.5	171
Bexar.....	1,159,901	41.6	168	6.1	57	14.3	175	21.3	174
Blanco.....	5,843	53.1	65	10.3	14	16.9	133	25.9	89
Borden.....	833	77.3	5	24.0	1	8.9	237	44.4	4
Bosque.....	14,830	69.0	13	6.7	45	28.7	17	33.5	25
Bowie.....	81,440	44.7	139	3.9	127	16.7	135	24.1	123
Brazoria.....	190,646	33.1	221	3.0	161	10.7	214	19.3	197

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Brazos .....	121,449	23.9	247	3.3	151	8.4	241	12.3	245
Brewster .....	8,503	40.8	173	0.0	213	14.6	173	26.2	84
Briscoe .....	2,064	67.0	16	0.0	213	8.7	239	58.2	1
Brooks .....	8,293	50.5	90	0.0	213	25.8	30	24.7	108
Brown .....	34,551	41.5	170	2.3	186	21.4	67	17.7	218
Burleson .....	13,872	62.0	29	1.4	206	25.6	33	35.0	19
Burnet .....	22,589	56.2	49	4.4	104	21.1	70	30.6	42
Caldwell .....	26,726	43.9	146	3.7	133	17.2	130	22.9	149
Calhoun .....	19,694	41.8	164	4.1	119	13.1	190	24.6	111
Callahan .....	11,982	46.1	132	3.3	151	20.9	75	21.8	163
Cameron .....	254,647	36.6	207	4.2	113	11.8	206	20.6	186
Camp .....	9,981	68.1	15	6.0	59	23.9	44	38.2	14
Carson .....	6,701	18.4	251	0.0	213	12.4	199	6.0	251
Cass .....	30,146	49.6	100	3.3	151	17.7	121	28.6	56
Castro .....	9,287	43.9	146	0.0	213	15.5	151	28.4	58
Chambers .....	20,484	46.7	128	2.0	195	15.1	161	29.7	51
Cherokee .....	40,725	51.5	78	5.4	72	20.5	79	25.6	95
Childress .....	6,119	62.8	26	0.0	213	31.3	11	31.5	36
Clay .....	10,104	51.7	76	5.9	61	22.0	59	23.8	129
Cochran .....	4,494	36.8	205	0.0	213	19.0	103	17.8	217
Coke .....	3,454	51.6	77	5.8	64	25.1	35	20.7	185
Coleman .....	9,981	74.0	8	8.0	30	36.4	5	29.6	52
Collin .....	242,839	24.4	244	3.0	161	7.3	244	14.2	239
Collingsworth .....	3,758	50.9	86	5.3	73	25.6	33	20.0	192
Colorado .....	18,989	55.4	55	6.3	51	23.3	49	25.8	92
Comal .....	50,056	39.8	182	1.6	202	19.2	102	19.1	202
Comanche .....	13,448	49.1	106	4.5	96	22.5	55	22.1	158
Concho .....	3,085	39.8	182	0.0	213	30.1	14	9.7	250
Cooke .....	30,106	43.5	149	4.0	122	15.2	157	24.3	118
Coryell .....	62,258	19.3	250	1.3	207	6.5	247	11.5	247
Cottle .....	2,423	52.4	70	8.3	26	20.5	79	23.7	133
Crane .....	4,829	54.4	59	8.3	26	23.4	47	22.8	151
Crockett .....	4,296	43.5	149	14.0	8	9.0	236	20.6	186
Crosby .....	7,584	38.2	195	0.0	213	14.7	170	23.5	137
Culberson .....	3,443	25.0	243	0.0	213	9.5	230	15.6	232
Dallam .....	5,896	51.9	72	3.4	143	9.1	235	39.4	13
Dallas .....	1,827,817	43.6	148	6.7	45	12.3	200	24.6	111
Dawson .....	15,122	44.3	145	2.6	177	18.0	115	23.6	134
Deaf Smith .....	19,354	35.1	213	2.1	191	11.3	210	21.7	167
Delta .....	4,810	59.1	37	4.2	113	26.9	24	28.1	61
Denton .....	249,262	23.0	248	2.0	195	7.3	244	13.7	242
De Witt .....	19,392	50.0	97	4.1	119	27.4	21	18.5	211
Dickens .....	2,697	37.9	196	14.8	7	18.4	110	4.7	252
Dimmit .....	10,773	39.0	191	5.6	68	19.9	91	13.5	243
Donley .....	3,817	71.9	9	5.2	75	31.6	10	35.1	18
Duval .....	13,165	56.6	48	6.1	57	18.4	110	32.1	33
Eastland .....	19,170	50.0	97	5.2	75	20.5	79	24.2	122
Ector .....	123,256	41.8	164	6.2	54	11.6	208	24.1	123
Edwards .....	2,214	79.9	3	0.0	213	36.7	4	43.2	5
Ellis .....	81,057	40.7	176	5.2	75	12.5	196	23.0	147
El Paso .....	571,907	35.2	212	7.2	36	12.0	203	16.0	229
Erath .....	26,970	43.5	149	3.0	161	16.2	139	24.3	118
Falls .....	17,993	60.4	35	4.4	104	31.2	12	24.8	107
Fannin .....	24,899	58.2	43	5.6	68	24.6	38	28.0	63
Fayette .....	20,383	56.0	52	3.9	127	26.0	28	26.1	87
Fisher .....	5,011	64.3	22	0.0	213	21.5	66	42.7	6
Floyd .....	8,669	31.8	227	0.0	213	15.2	157	16.6	224
Foard .....	1,869	50.1	95	0.0	213	23.1	51	27.0	76
Fort Bend .....	210,657	24.0	246	1.7	200	7.8	243	14.5	238
Franklin .....	7,735	50.1	95	0.0	213	26.2	25	24.0	125

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Freestone .....	16,128	56.2	49	1.2	208	24.2	41	30.7	41
Frio .....	13,683	48.5	113	2.9	167	15.4	152	30.2	46
Gaines .....	14,440	28.4	238	0.0	213	9.5	230	18.9	206
Galveston .....	216,473	48.8	110	6.9	42	17.8	118	24.0	125
Garza .....	5,369	47.7	119	3.7	133	19.7	94	24.3	118
Gillespie .....	16,713	47.1	123	3.6	138	21.3	68	22.2	157
Glasscock .....	1,403	12.0	252	0.0	213	2.0	252	10.0	249
Goliad .....	5,828	39.3	187	6.9	42	13.1	190	19.3	197
Gonzales .....	17,499	64.4	21	3.4	143	20.1	88	40.8	11
Gray .....	25,067	40.3	178	2.4	183	18.9	104	19.1	202
Grayson .....	95,432	49.3	103	4.8	85	19.3	98	25.2	102
Gregg .....	106,047	48.2	115	5.7	66	15.3	155	27.2	73
Grimes .....	18,815	47.0	124	4.3	110	17.3	128	25.4	98
Guadalupe .....	61,532	42.8	156	5.9	61	13.9	179	23.1	146
Hale .....	35,319	39.0	191	2.3	186	17.3	128	19.4	196
Hall .....	4,275	45.3	136	0.0	213	17.9	117	27.5	70
Hamilton .....	7,819	69.2	11	2.6	177	29.1	16	37.5	15
Hansford .....	6,008	40.0	180	6.7	45	9.9	223	23.4	140
Hardeman .....	5,569	85.4	2	7.2	36	46.0	1	32.2	31
Hardin .....	41,834	40.8	173	3.3	151	14.7	170	22.8	151
Harris .....	2,796,307	38.6	193	3.7	133	12.3	200	22.6	154
Harrison .....	57,307	51.1	81	6.3	51	18.5	108	26.3	83
Hartley .....	3,722	44.6	141	0.0	213	19.6	95	25.0	105
Haskell .....	7,041	58.4	41	0.0	213	36.3	6	22.1	158
Hays .....	62,776	29.0	236	3.5	142	9.7	227	15.7	231
Hemphill .....	4,150	27.0	241	0.0	213	13.2	189	13.8	241
Henderson .....	56,589	48.9	108	6.0	59	16.7	135	26.2	84
Hidalgo .....	368,804	31.1	229	2.8	172	11.0	211	17.3	222
Hill .....	26,984	55.5	54	2.2	189	23.8	45	29.5	53
Hockley .....	24,493	28.9	237	0.8	212	9.3	234	18.8	207
Hood .....	27,101	39.2	189	4.4	104	12.8	193	22.0	161
Hopkins .....	28,705	49.5	102	2.8	172	19.8	93	26.9	79
Houston .....	21,569	58.4	41	4.6	94	22.4	57	31.3	37
Howard .....	33,515	54.1	61	7.8	32	15.9	146	30.4	44
Hudspeth .....	2,902	51.8	75	13.8	9	12.2	202	25.8	92
Hunt .....	64,022	46.6	129	5.9	61	14.9	167	25.8	92
Hutchinson .....	26,603	42.9	154	4.5	96	16.7	135	21.7	167
Irion .....	1,685	31.0	230	0.0	213	10.2	219	20.8	182
Jack .....	7,229	44.6	141	0.0	213	20.3	84	24.4	116
Jackson .....	13,394	36.1	209	1.5	205	18.5	108	16.1	228
Jasper .....	31,362	59.0	38	4.5	96	21.0	71	33.6	24
Jeff Davis .....	1,889	77.1	6	21.2	3	9.4	233	46.5	2
Jefferson .....	243,801	50.4	93	5.8	64	21.0	71	23.6	134
Jim Hogg .....	5,245	48.7	112	7.6	34	23.1	51	17.9	215
Jim Wells .....	38,626	39.2	189	2.1	191	16.1	143	21.1	178
Johnson .....	93,277	39.7	185	3.0	161	15.1	161	21.6	169
Jones .....	17,116	52.7	67	4.7	86	18.0	115	30.1	49
Karnes .....	12,851	46.8	127	4.7	86	21.6	65	20.6	186
Kaufman .....	50,312	52.6	68	3.6	138	15.6	149	33.4	26
Kendall .....	14,069	52.6	68	7.1	40	19.4	96	26.1	87
Kenedy .....	500	2.8	253	0.0	213	2.8	251	0.0	253
Kent .....	1,040	41.4	172	0.0	213	16.0	144	25.4	98
Kerr .....	35,877	51.0	84	7.8	32	21.8	62	21.4	172
Kimble .....	4,188	53.4	63	9.6	17	24.7	37	19.1	202
King .....	373	33.2	220	0.0	213	0.0	253	33.2	27
Kinney .....	2,938	42.6	159	0.0	213	11.9	205	30.6	42
Kleberg .....	31,306	39.4	186	1.9	198	18.3	113	19.1	202
Knox .....	5,037	53.4	63	4.0	122	24.8	36	24.7	108
Lamar .....	44,035	50.7	87	3.6	138	23.2	50	23.9	127
Lamb .....	15,675	54.2	60	5.1	80	21.0	71	28.0	63



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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Lampasas.....	13,483	48.0	117	8.9	22	18.7	107	20.4	190
La Salle.....	5,472	46.9	125	3.7	133	13.0	192	30.3	45
Lavaca.....	18,898	52.3	71	4.2	113	24.2	41	23.8	129
Lee.....	13,069	51.3	80	9.2	20	21.0	71	21.1	178
Leon.....	12,669	64.9	20	3.2	157	26.2	25	35.5	17
Liberty.....	53,246	54.8	57	5.3	73	17.4	126	32.2	31
Limestone.....	20,796	57.1	46	6.7	45	21.9	61	28.5	57
Lipscomb.....	3,378	29.4	234	0.0	213	5.9	249	23.4	140
Live Oak.....	9,741	31.8	227	2.1	191	13.4	185	16.3	227
Llano.....	11,629	58.7	40	3.4	143	32.9	7	22.4	156
Loving.....	106	0.0	254	0.0	213	0.0	253	0.0	253
Lubbock.....	221,884	32.1	226	2.9	167	10.4	217	18.8	207
Lynn.....	7,120	37.1	202	2.8	172	16.2	139	18.1	213
McCulloch.....	8,659	62.2	27	11.5	13	26.1	27	24.6	111
McLennan.....	187,795	44.4	143	5.1	80	17.6	123	21.8	163
McMullen.....	811	42.4	161	0.0	213	32.0	9	10.4	248
Madison.....	11,190	45.5	135	3.6	138	15.0	163	27.0	76
Marion.....	10,094	50.5	90	2.0	195	15.4	152	33.2	27
Martin.....	5,032	30.8	231	4.0	122	9.5	230	17.3	222
Mason.....	3,559	63.4	23	0.0	213	22.6	53	40.8	11
Matagorda.....	38,113	47.2	122	4.7	86	15.3	155	27.2	73
Maverick.....	35,632	29.1	235	3.4	143	9.7	227	16.0	229
Medina.....	26,597	51.9	72	8.3	26	17.8	118	25.9	89
Menard.....	2,263	79.4	4	8.8	23	37.7	2	32.8	30
Midland.....	106,818	32.7	222	4.7	86	8.9	237	19.2	200
Milam.....	23,484	48.8	110	5.1	80	20.3	84	23.4	140
Mills.....	4,549	62.1	28	4.4	104	29.8	15	27.9	66
Mitchell.....	8,330	50.7	87	7.2	36	23.4	47	20.1	191
Montague.....	17,684	57.1	46	5.7	66	27.1	22	24.4	116
Montgomery.....	173,766	37.2	201	3.2	157	10.9	212	23.2	145
Moore.....	17,992	37.0	204	5.6	68	10.1	220	21.4	172
Morris.....	13,518	51.0	84	3.0	161	20.5	79	27.5	70
Motley.....	1,549	96.4	1	12.9	10	37.7	2	45.8	3
Nacogdoches.....	53,524	40.0	180	3.4	143	12.7	195	23.9	127
Navarro.....	39,712	59.2	36	4.5	96	21.7	64	32.9	29
Newton.....	13,565	49.6	100	4.4	104	13.8	180	31.3	37
Nolan.....	16,881	44.9	138	9.5	18	20.8	76	14.6	236
Nueces.....	292,055	42.8	156	8.1	29	16.2	139	18.4	212
Ochiltree.....	9,644	39.3	187	2.1	191	14.1	178	23.0	147
Oldham.....	2,271	33.9	215	0.0	213	8.3	242	25.6	95
Orange.....	81,410	43.5	149	3.9	127	14.9	167	24.7	108
Palo Pinto.....	25,589	54.7	58	2.3	186	27.0	23	25.4	98
Panola.....	22,041	41.8	164	0.9	211	18.8	105	22.1	158
Parker.....	61,478	38.6	193	4.2	113	13.6	181	20.8	182
Parmer.....	10,269	40.6	177	3.9	127	9.9	223	26.8	80
Pecos.....	15,354	42.8	156	5.2	75	8.6	240	29.0	55
Polk.....	30,076	61.7	31	8.0	30	19.3	98	34.4	21
Potter.....	100,064	50.6	89	6.6	49	16.0	144	28.0	63
Presidio.....	6,317	45.7	134	0.0	213	17.4	126	28.3	60
Rains.....	6,346	67.0	16	3.2	157	21.8	62	42.0	7
Randall.....	87,780	28.1	240	3.4	143	10.1	220	14.6	236
Reagan.....	4,738	24.1	245	4.2	113	5.8	250	14.1	240
Real.....	2,436	57.4	45	16.4	5	17.2	130	23.8	129
Red River.....	14,657	63.2	24	4.1	119	24.2	41	34.9	20
Reeves.....	16,206	50.2	94	8.6	24	14.3	175	27.3	72
Refugio.....	8,210	37.1	202	2.4	183	14.9	167	19.7	194
Roberts.....	1,057	28.2	239	0.0	213	15.0	163	13.3	244
Robertson.....	15,682	58.9	39	5.1	80	25.9	29	27.9	66
Rockwall.....	23,789	33.5	217	4.2	113	10.6	215	18.7	209
Runnels.....	11,699	46.2	131	1.7	200	20.2	87	24.3	118

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Rusk .....	43,625	55.0	56	1.8	199	23.7	46	29.5	53
Sabine .....	9,578	74.9	7	12.5	11	28.7	17	33.7	23
San Augustine .....	8,172	68.9	14	0.0	213	27.9	20	41.0	10
San Jacinto .....	15,676	51.1	81	2.6	177	18.3	113	30.2	46
San Patricio .....	59,563	41.9	163	3.4	143	15.2	157	23.4	140
San Saba .....	5,463	69.2	11	0.0	213	32.5	8	36.6	16
Schleicher .....	3,115	44.4	143	0.0	213	19.3	98	25.2	102
Scurry .....	19,435	36.7	206	3.1	160	12.5	196	21.2	177
Shackelford .....	3,618	61.7	31	16.6	4	10.9	212	34.2	22
Shelby .....	22,225	70.6	10	4.5	96	24.6	38	41.5	8
Sherman .....	2,955	33.5	217	0.0	213	11.7	207	21.8	163
Smith .....	149,985	42.0	162	3.7	133	15.4	152	22.9	149
Somervell .....	5,026	42.9	154	11.9	12	10.5	216	20.5	189
Starr .....	38,431	32.7	222	1.6	202	9.8	225	21.3	174
Stephens .....	9,581	66.2	19	6.3	51	28.7	17	31.2	39
Sterling .....	1,505	61.1	33	0.0	213	20.1	88	41.1	9
Stonewall .....	2,117	47.5	120	0.0	213	25.7	31	21.8	163
Sutton .....	4,604	61.0	34	21.7	2	21.2	69	18.1	213
Swisher .....	8,404	44.7	139	2.4	183	22.3	58	20.0	192
Tarrant .....	1,129,414	37.9	196	4.7	86	12.0	203	21.1	178
Taylor .....	120,968	35.6	211	4.3	110	13.4	185	17.9	215
Terrell .....	1,455	46.6	129	0.0	213	15.0	163	31.6	35
Terry .....	13,656	40.1	179	2.9	167	16.4	138	20.8	182
Throckmorton .....	1,970	51.9	72	10.2	15	20.4	83	21.3	174
Titus .....	23,884	46.9	125	3.3	151	15.9	146	27.7	69
Tom Green .....	96,935	42.5	160	4.5	96	18.4	110	19.6	195
Travis .....	562,434	32.6	224	4.5	96	10.4	217	17.7	218
Trinity .....	11,358	57.5	44	7.0	41	22.6	53	27.8	68
Tyler .....	16,969	56.2	49	4.7	86	24.5	40	27.0	76
Upshur .....	31,521	49.0	107	2.5	180	16.2	139	30.2	46
Upton .....	4,649	50.5	90	8.6	24	14.7	170	27.1	75
Uvalde .....	23,462	39.8	182	9.4	19	15.2	157	15.3	234
Val Verde .....	38,625	32.5	225	1.6	202	13.5	183	17.5	221
Van Zandt .....	37,311	51.5	78	3.8	132	17.7	121	30.0	50
Victoria .....	74,820	33.9	215	4.0	122	13.4	185	16.6	224
Walker .....	50,651	30.1	233	1.2	208	12.5	196	16.5	226
Waller .....	23,230	41.6	168	5.2	75	11.6	208	24.9	106
Ward .....	13,935	53.0	66	7.2	36	19.9	91	25.9	89
Washington .....	25,822	49.8	99	6.2	54	20.1	88	23.5	137
Webb .....	127,208	33.5	217	4.6	94	13.5	183	15.4	233
Wharton .....	40,528	56.0	52	6.9	42	20.7	77	28.4	58
Wheeler .....	6,234	51.1	81	6.4	50	22.0	59	22.7	153
Wichita .....	123,448	48.4	114	7.5	35	19.4	96	21.6	169
Wilbarger .....	15,846	48.1	116	5.0	84	17.6	123	25.5	97
Willacy .....	17,888	37.7	198	5.6	68	12.8	193	19.3	197
Williamson .....	129,345	26.9	242	2.5	180	9.7	227	14.7	235
Wilson .....	21,467	40.8	173	4.7	86	13.6	181	22.6	154
Winkler .....	9,403	49.2	105	4.3	110	16.8	134	28.1	61
Wise .....	33,990	37.3	200	4.7	86	13.4	185	19.2	200
Wood .....	28,883	63.0	25	6.2	54	25.7	31	31.1	40
Yoakum .....	9,038	30.4	232	2.2	189	6.2	248	22.0	161
Young .....	18,715	47.4	121	1.1	210	22.5	55	23.8	129
Zapata .....	8,922	48.9	108	4.5	96	19.3	98	25.1	104
Zavala .....	12,144	37.6	199	3.3	151	15.6	149	18.7	209
Utah .....	1,691,963	30.1		4.6		9.2		16.3	
Beaver .....	4,893	50.0	2	8.2	5	20.2	2	21.6	10
Box Elder .....	35,968	35.8	17	2.8	20	10.0	17	23.1	8
Cache .....	68,319	23.2	25	2.0	23	8.2	20	12.9	24

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Carbon.....	21,070	38.7	11	2.8	20	10.0	17	25.8	5
Daggett.....	705	28.4	23	0.0	25	20.4	1	7.9	28
Davis.....	181,809	18.8	28	2.1	22	5.8	28	10.9	27
Duchesne.....	13,589	28.5	22	4.4	16	7.1	24	17.1	20
Emery.....	10,891	37.0	14	3.7	18	6.8	26	26.6	4
Garfield.....	4,000	46.3	6	0.0	25	12.5	9	33.9	2
Grand.....	6,915	37.0	14	0.0	25	13.5	7	23.5	6
Iron.....	20,665	29.0	21	5.8	13	7.4	22	15.8	22
Juab.....	5,947	43.8	7	10.1	2	14.8	5	18.9	15
Kane.....	4,998	49.1	3	8.0	6	18.7	4	22.4	9
Millard.....	12,150	42.0	8	6.6	10	13.8	6	21.5	11
Morgan.....	5,398	22.6	26	0.0	25	6.9	25	15.7	23
Piute.....	1,329	46.4	5	15.0	1	10.8	15	20.5	13
Rich.....	1,886	18.7	29	0.0	25	11.2	13	7.4	29
Salt Lake.....	711,945	32.7	19	5.9	12	9.7	19	17.2	19
San Juan.....	12,379	47.4	4	4.8	15	7.9	21	34.6	1
Sanpete.....	16,275	41.6	9	7.4	8	11.1	14	23.2	7
Sevier.....	15,541	37.1	13	7.7	7	13.0	8	16.4	21
Summit.....	14,496	27.8	24	5.5	14	4.1	29	18.2	17
Tooele.....	26,930	40.2	10	7.4	8	11.8	12	21.0	12
Uintah.....	23,090	36.6	16	9.5	3	7.4	22	19.7	14
Utah.....	256,936	19.5	27	1.8	24	6.5	27	11.2	26
Wasatch.....	9,850	51.9	1	4.1	17	19.5	3	28.4	3
Washington.....	44,365	33.9	18	3.6	19	12.3	11	18.0	18
Wayne.....	2,166	32.2	20	9.2	4	10.3	16	12.6	25
Weber.....	157,458	37.4	12	6.2	11	12.5	9	18.6	16
Vermont.....	548,958	41.8		8.2		15.8		17.8	
Addison.....	32,233	34.2	13	6.2	13	11.7	13	16.2	10
Bennington.....	35,253	46.4	4	8.5	6	20.4	1	17.5	9
Caledonia.....	27,160	43.7	9	12.5	4	15.9	9	15.2	11
Chittenden.....	127,520	32.5	14	7.4	11	11.2	14	14.0	14
Essex.....	6,293	58.2	1	15.9	2	17.2	6	25.1	1
Franklin.....	38,837	41.3	11	7.7	9	14.9	10	18.7	6
Grand Isle.....	5,271	45.8	5	19.0	1	12.2	12	14.6	13
Lamoille.....	19,016	34.6	12	6.3	12	13.6	11	14.7	12
Orange.....	25,370	42.0	10	3.9	14	19.3	3	18.7	6
Orleans.....	23,875	55.8	2	12.6	3	18.9	4	24.3	2
Rutland.....	60,806	50.4	3	8.2	8	19.8	2	22.4	3
Washington.....	53,774	45.1	6	8.9	5	16.3	8	19.8	4
Windham.....	40,534	44.0	7	8.4	7	16.8	7	18.8	5
Windsor.....	53,016	43.8	8	7.5	10	18.4	5	17.8	8
Virginia.....	6,018,211	40.7		6.6		15.5		18.7	
Accomack.....	31,586	59.0	38	5.1	89	29.2	14	24.7	53
Albemarle.....	65,866	32.4	121	6.4	69	10.7	123	15.4	117
Alleghany.....	13,519	42.9	96	7.4	63	12.8	118	22.7	68
Amelia.....	8,695	63.3	27	11.5	22	15.6	93	36.2	8
Amherst.....	28,588	43.8	92	8.4	48	18.2	71	17.3	106
Appomattox.....	12,239	49.6	71	9.8	40	18.6	67	21.2	76
Arlington.....	169,278	30.4	124	3.8	113	13.7	110	12.9	131
Augusta.....	53,052	38.8	105	4.5	102	14.3	104	20.0	87
Bath.....	4,944	63.1	28	8.1	51	24.1	32	30.9	22
Bedford.....	43,355	44.9	85	4.6	99	16.3	87	24.0	59
Bland.....	6,484	46.4	79	3.1	120	16.6	83	26.7	40
Botetourt.....	24,566	37.3	110	4.9	94	12.9	117	19.5	93
Brunswick.....	16,010	67.5	19	7.5	60	34.7	4	25.3	52
Buchanan.....	32,718	41.1	101	2.4	123	13.9	108	24.7	53

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Buckingham.....	12,698	60.7	29	7.9	54	19.4	60	33.4	14
Campbell.....	47,319	44.4	89	9.7	41	14.0	106	20.7	82
Caroline.....	18,926	60.2	30	6.3	71	16.6	83	37.2	7
Carroll.....	26,706	44.7	87	7.5	60	15.9	92	21.3	75
Charles City.....	6,297	60.2	30	0.0	134	25.6	27	34.6	10
Charlotte.....	11,695	63.8	26	10.3	34	22.9	38	30.7	23
Chesterfield.....	194,898	24.4	133	2.6	122	8.1	131	13.7	126
Clarke.....	11,557	41.2	100	13.8	17	11.9	122	15.4	117
Craig.....	4,288	54.1	50	9.3	43	18.8	65	26.0	43
Culpeper.....	26,457	49.8	68	5.3	84	19.0	63	25.4	51
Cumberland.....	7,818	67.5	19	10.2	35	18.4	70	38.9	5
Dickenson.....	18,347	43.8	92	7.6	57	13.5	114	22.7	68
Dinwiddie.....	21,003	59.2	37	10.5	32	20.1	56	28.7	33
Essex.....	8,720	66.7	21	13.8	17	22.9	38	30.0	26
Fairfax.....	775,585	19.9	136	2.3	125	8.1	131	9.5	136
Fauquier.....	45,747	41.9	98	3.9	110	14.8	100	23.2	63
Floyd.....	11,896	55.7	47	5.0	91	18.2	71	32.5	16
Fluvanna.....	11,858	50.9	64	10.1	38	14.2	105	26.6	41
Franklin.....	38,973	47.1	75	6.2	72	17.1	78	23.9	60
Frederick.....	42,763	35.5	116	4.2	106	12.5	120	18.8	100
Giles.....	16,670	50.4	66	2.4	123	22.1	42	25.9	44
Gloucester.....	28,542	37.2	111	1.4	132	15.3	96	20.5	84
Goochland.....	13,535	40.9	102	5.9	75	13.9	108	21.0	78
Grayson.....	16,388	44.8	86	4.9	94	17.3	76	22.6	70
Greene.....	9,794	52.9	54	10.2	35	8.7	129	34.0	12
Greensville.....	10,586	54.3	49	7.6	57	22.6	41	24.1	57
Halifax.....	29,342	66.2	22	10.9	27	26.2	25	29.0	32
Hanover.....	59,409	41.3	99	5.7	78	16.5	85	19.1	96
Henrico.....	208,962	38.0	108	6.9	65	16.0	91	15.1	119
Henry.....	56,347	51.3	62	10.6	31	13.5	114	27.2	38
Highland.....	2,757	58.5	41	7.3	64	25.4	28	25.9	44
Isle Of Wight.....	24,223	43.0	94	4.1	107	15.6	93	23.2	63
James City.....	31,798	33.3	119	3.8	113	14.0	106	15.6	116
King And Queen.....	6,330	88.4	3	15.8	12	31.6	8	41.0	1
King George.....	12,995	53.2	53	4.6	99	16.1	90	32.4	17
King William.....	10,610	45.5	83	11.3	23	17.8	75	16.4	112
Lancaster.....	10,873	65.3	23	5.5	81	34.0	5	25.7	46
Lee.....	25,096	50.6	65	3.2	119	20.5	54	27.0	39
Loudoun.....	79,442	24.9	132	3.3	117	8.2	130	13.3	128
Louisa.....	19,813	55.7	47	5.0	91	18.8	65	31.9	19
Lunenburg.....	11,606	71.7	12	17.2	6	30.3	10	24.1	57
Madison.....	11,588	52.8	55	5.2	86	17.0	80	30.5	24
Mathews.....	8,382	64.4	25	4.8	96	29.8	13	29.8	28
Mecklenburg.....	29,385	68.5	17	10.2	35	28.4	17	29.9	27
Middlesex.....	8,552	70.5	13	2.3	125	27.6	19	40.5	2
Montgomery.....	72,032	25.4	131	3.9	110	10.1	124	11.4	134
Nelson.....	12,646	70.3	14	23.7	2	22.1	42	24.5	55
New Kent.....	10,001	44.1	90	6.0	73	13.6	111	24.5	55
Northampton.....	13,478	85.2	4	14.8	14	33.1	7	37.3	6
Northumberland.....	10,408	58.1	42	1.9	129	26.7	23	29.5	31
Nottoway.....	15,048	68.4	18	14.6	15	23.9	33	29.8	28
Orange.....	20,616	58.6	40	10.7	30	19.9	59	28.1	35
Page.....	21,115	45.6	81	10.4	33	15.1	99	20.0	87
Patrick.....	17,540	59.7	33	12.5	19	18.5	68	28.6	34
Pittsylvania.....	70,516	46.3	80	6.0	73	16.4	86	23.9	60
Powhatan.....	14,520	51.8	60	9.6	42	12.3	121	29.8	28
Prince Edward.....	17,306	49.8	68	8.1	51	21.9	45	19.8	89
Prince George.....	27,221	28.8	127	5.1	89	6.7	134	17.0	110
Prince William.....	198,857	23.8	135	3.7	115	5.7	135	14.4	124
Pulaski.....	34,452	43.0	94	3.5	116	16.3	87	23.2	63

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Rappahannock .....	6,460	59.7	33	0.0	134	26.8	22	32.9	15
Richmond .....	7,233	59.4	35	8.3	49	20.7	52	30.4	25
Roanoke .....	78,349	37.0	112	4.1	107	17.2	77	15.7	115
Rockbridge .....	18,156	50.2	67	7.7	56	16.2	89	26.3	42
Rockingham .....	56,295	40.1	103	5.0	91	15.3	96	19.8	89
Russell.....	29,532	36.3	115	1.4	132	15.5	95	19.4	94
Scott .....	23,726	52.2	58	10.1	38	19.1	62	23.0	67
Shenandoah.....	30,607	51.7	61	5.2	86	20.9	49	25.6	47
Smyth .....	32,657	52.0	59	8.6	47	17.9	74	25.5	48
Southampton .....	17,688	56.3	45	4.5	102	20.5	54	31.3	21
Spotsylvania.....	51,591	26.0	130	1.9	129	9.4	125	14.7	121
Stafford.....	55,877	32.2	122	5.4	83	9.1	126	17.8	105
Surry.....	6,122	64.5	24	3.3	117	21.7	46	39.5	3
Sussex .....	10,233	75.9	9	15.6	13	28.1	18	32.2	18
Tazewell .....	47,286	45.6	81	5.9	75	17.1	78	22.6	70
Warren.....	24,917	47.8	74	5.6	80	20.0	57	22.2	74
Washington .....	46,028	44.7	87	6.5	68	17.0	80	21.1	77
Westmoreland.....	15,088	70.3	14	9.3	43	25.0	30	36.0	9
Wise .....	40,930	46.6	77	8.8	46	18.9	64	18.9	99
Wythe .....	25,402	55.9	46	11.0	26	23.9	33	20.9	79
York.....	40,690	24.3	134	3.9	110	7.1	133	13.3	128
Alexandria .....	110,439	39.4	104	5.3	84	18.2	71	15.9	114
Bedford.....	6,137	98.3	2	16.3	9	50.4	2	31.6	20
Bristol .....	18,619	59.0	38	11.8	21	28.7	15	18.5	101
Buena Vista.....	6,467	49.7	70	9.3	43	26.7	23	13.8	125
Charlottesville.....	40,298	53.9	52	15.9	11	20.8	51	17.2	108
Chesapeake.....	143,257	36.5	114	5.2	86	13.2	116	18.1	103
Clifton Forge.....	4,825	84.0	5	8.3	49	52.5	1	23.3	62
Colonial Heights.....	15,974	49.1	73	7.5	60	20.6	53	20.9	79
Covington .....	7,333	52.6	57	10.9	27	26.9	21	14.7	121
Danville.....	40,834	78.1	7	17.1	7	33.2	6	27.8	36
Emporia .....	4,032	114.3	1	29.8	1	45.4	3	39.1	4
Fairfax .....	19,586	37.6	109	2.0	128	17.0	80	18.5	101
Falls Church.....	9,687	30.4	124	2.1	127	13.6	111	14.8	120
Franklin.....	7,799	76.7	8	20.5	3	28.7	15	27.5	37
Fredericksburg .....	18,269	43.9	91	5.5	81	19.3	61	19.1	96
Galax.....	6,694	51.2	63	3.0	121	30.3	10	17.9	104
Hampton.....	130,758	33.7	117	4.6	99	14.5	103	14.6	123
Harrisonburg.....	29,638	30.9	123	4.7	98	14.7	101	11.5	133
Hopewell.....	23,230	59.4	35	11.2	25	25.8	26	22.5	72
Lexington.....	7,026	38.5	106	5.7	78	20.0	57	12.8	132
Lynchburg .....	66,858	57.4	44	14.1	16	23.8	35	19.6	92
Manassas.....	24,815	33.6	118	4.8	96	12.6	119	16.1	113
Manassas Park.....	6,701	27.0	128	0.0	134	4.7	136	22.3	73
Martinsville .....	16,718	73.0	10	16.7	8	22.1	42	34.1	11
Newport News.....	166,537	38.5	106	6.6	66	14.6	102	17.3	106
Norfolk.....	263,663	46.7	76	7.8	55	18.5	68	20.4	86
Norton.....	4,415	36.9	113	4.5	102	15.3	96	17.1	109
Petersburg.....	38,507	70.1	16	16.1	10	30.8	9	23.2	63
Poquoson .....	10,531	33.2	120	7.6	57	9.0	127	16.6	111
Portsmouth.....	104,963	52.7	56	8.0	53	24.2	31	20.5	84
Radford.....	15,616	29.7	126	6.4	69	13.6	111	9.7	135
Richmond .....	206,967	79.2	6	20.2	4	25.1	29	33.9	13
Roanoke .....	98,274	72.8	11	19.9	5	27.3	20	25.5	48
Salem .....	23,544	42.1	97	5.9	75	22.8	40	13.4	127
South Boston.....	7,084	60.2	30	11.3	23	30.0	12	19.0	98
Staunton.....	24,484	54.0	51	12.3	20	20.9	49	20.8	81
Suffolk .....	51,267	58.0	43	10.9	27	21.6	47	25.5	48
Virginia Beach.....	367,483	26.2	129	4.0	109	8.9	128	13.3	128
Waynesboro.....	18,319	46.6	77	4.4	105	21.6	47	20.6	83

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Williamsburg.....	11,139	45.3	84	1.8	131	23.8	35	19.8	89
Winchester.....	21,326	49.3	72	6.6	66	23.5	37	19.3	95
Washington.....	4,647,916	39.6		6.6		14.7		18.2	
Adams.....	13,455	46.2	16	4.5	31	11.4	34	30.4	4
Asotin.....	17,408	51.2	10	6.9	21	20.1	7	24.2	17
Benton.....	111,215	30.0	38	5.9	24	10.3	36	13.9	37
Chelan.....	51,040	44.0	20	6.7	22	14.7	24	22.6	19
Clallam.....	54,436	54.5	6	8.8	8	20.9	4	24.7	14
Clark.....	223,953	36.0	35	6.4	23	12.4	32	17.1	28
Columbia.....	4,021	47.2	13	5.0	29	27.3	1	15.0	35
Cowlitz.....	79,768	43.6	22	7.8	15	15.6	19	20.3	23
Douglas.....	25,224	43.8	21	3.2	36	14.5	26	26.1	10
Ferry.....	6,077	56.6	4	3.3	34	10.3	36	43.1	1
Franklin.....	37,271	43.3	23	9.1	7	9.5	38	24.7	14
Garfield.....	2,285	40.4	28	8.8	8	20.5	6	11.2	38
Grant.....	53,590	45.4	18	7.1	19	13.3	30	25.0	13
Grays Harbor.....	63,127	62.0	3	12.7	3	22.7	3	26.6	8
Island.....	55,692	37.3	31	7.5	16	12.9	31	16.8	29
Jefferson.....	19,147	52.5	8	7.3	18	19.2	8	26.0	11
King.....	1,433,447	36.9	33	5.7	26	15.0	20	16.2	32
Kitsap.....	178,126	36.9	33	7.0	20	13.6	28	16.3	31
Kittitas.....	26,003	38.2	29	2.3	38	17.8	13	18.0	26
Klickitat.....	16,412	56.6	4	11.0	5	15.9	17	29.7	5
Lewis.....	57,908	46.7	14	5.9	24	18.8	10	22.1	21
Lincoln.....	9,031	51.4	9	4.4	32	20.7	5	26.3	9
Mason.....	36,484	42.9	24	3.3	34	15.0	20	24.7	14
Okanogan.....	32,696	65.4	2	15.3	1	18.7	12	31.5	2
Pacific.....	18,276	70.6	1	15.3	1	27.2	2	28.1	6
Pend Oreille.....	8,788	48.3	12	0.0	39	16.8	15	31.5	2
Pierce.....	557,016	41.4	27	8.2	12	14.4	27	18.8	25
San Juan.....	9,433	42.2	25	10.6	6	15.9	17	15.7	34
Skagit.....	75,318	46.2	16	5.3	27	18.8	10	22.1	21
Skamania.....	8,080	37.4	30	7.4	17	7.8	39	22.2	20
Snohomish.....	429,548	32.4	37	3.9	33	12.0	33	16.5	30
Spokane.....	355,605	42.1	26	8.8	8	16.1	16	17.2	27
Stevens.....	30,425	46.4	15	4.6	30	14.8	22	27.0	7
Thurston.....	151,781	37.1	32	7.9	13	14.6	25	14.6	36
Wahkiakum.....	3,329	54.3	7	12.0	4	19.1	9	23.2	18
Walla Walla.....	48,250	45.2	19	7.9	13	17.8	13	19.5	24
Whatcom.....	121,222	34.7	36	5.3	27	13.5	29	15.9	33
Whitman.....	39,139	24.2	39	3.1	37	11.3	35	9.8	39
Yakima.....	183,891	49.0	11	8.5	11	14.8	22	25.6	12
West Virginia.....	1,834,235	47.2		6.7		18.5		22.0	
Barbour.....	16,131	56.2	10	14.9	1	19.9	18	21.4	34
Berkeley.....	56,200	48.4	23	3.9	38	17.6	29	26.9	16
Boone.....	27,197	46.3	31	6.6	21	13.5	46	26.2	18
Braxton.....	13,395	65.1	1	7.5	17	24.3	6	33.3	4
Brooke.....	27,882	40.2	44	10.0	6	19.7	20	10.5	55
Cabell.....	99,686	49.3	22	8.6	12	22.8	7	17.8	43
Calhoun.....	8,043	48.3	24	7.5	17	16.0	35	24.9	26
Clay.....	10,299	61.4	5	5.8	25	20.9	13	34.8	2
Doddridge.....	7,262	30.1	54	2.8	44	13.7	44	13.6	54
Fayette.....	50,447	57.3	7	9.5	9	21.6	10	26.2	18
Gilmer.....	7,947	45.4	35	0.0	54	13.6	45	31.8	7
Grant.....	10,270	52.3	17	7.8	15	14.2	41	30.3	10
Greenbrier.....	36,020	57.0	9	10.5	5	21.4	11	25.1	23

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Hampshire.....	16,166	56.2	10	4.9	33	18.6	23	32.7	6
Hancock.....	36,575	44.6	36	9.3	11	19.7	20	15.7	49
Hardy.....	10,655	57.9	6	7.5	17	16.6	33	33.7	3
Harrison.....	71,187	48.1	26	9.6	8	21.1	12	17.5	44
Jackson.....	26,149	33.5	51	0.0	54	16.0	35	17.5	44
Jefferson.....	34,697	47.0	28	6.9	20	18.5	24	21.5	32
Kanawha.....	212,971	50.2	20	8.5	13	20.7	14	20.9	37
Lewis.....	17,864	51.0	19	4.5	35	22.1	9	24.4	27
Lincoln.....	21,488	47.8	27	2.8	44	16.0	35	29.1	12
Logan.....	44,960	55.0	13	10.7	4	17.7	28	26.6	17
McDowell.....	38,917	62.2	4	10.8	3	18.4	25	33.1	5
Marion.....	59,314	46.0	33	5.1	32	19.8	19	21.2	36
Marshall.....	37,995	35.4	49	3.2	42	17.0	32	15.3	50
Mason.....	25,486	38.8	47	1.6	53	15.1	38	22.2	31
Mercer.....	66,887	55.7	12	5.4	28	22.4	8	28.0	14
Mineral.....	26,906	43.7	37	5.9	23	14.8	40	23.0	30
Mingo.....	34,797	50.0	21	5.7	27	13.5	46	30.7	9
Monongalia.....	75,882	30.2	52	3.2	42	13.1	49	14.0	52
Monroe.....	12,393	64.2	3	6.5	22	26.6	3	31.2	8
Morgan.....	11,486	52.1	18	5.2	30	18.2	26	28.7	13
Nicholas.....	27,357	46.8	29	5.8	25	17.5	30	23.5	29
Ohio.....	52,770	45.9	34	4.2	36	24.6	5	17.1	46
Pendleton.....	8,026	35.0	50	2.5	50	12.8	52	19.7	40
Pleasants.....	7,672	30.2	52	2.6	48	13.1	49	14.6	51
Pocahontas.....	9,220	57.1	8	2.2	52	27.5	1	27.4	15
Preston.....	29,500	43.7	37	4.7	34	14.0	42	25.0	24
Putnam.....	42,300	29.0	55	2.8	44	9.6	55	16.5	47
Raleigh.....	80,018	54.5	14	10.0	6	20.2	17	24.2	28
Randolph.....	28,115	42.4	40	3.6	40	17.3	31	21.5	32
Ritchie.....	10,563	48.2	25	9.5	9	12.5	53	26.2	18
Roane.....	15,273	52.5	16	2.6	48	20.3	15	29.6	11
Summers.....	14,399	46.7	30	2.8	44	17.8	27	26.1	21
Taylor.....	15,572	42.4	40	3.9	38	20.3	15	18.2	42
Tucker.....	7,979	64.5	2	2.5	50	24.8	4	37.3	1
Tyler.....	10,147	53.9	15	5.9	23	27.1	2	20.9	37
Upshur.....	23,573	36.7	48	3.4	41	14.9	39	18.4	41
Wayne.....	42,635	39.9	45	5.2	30	13.5	46	21.3	35
Webster.....	11,086	42.3	42	5.4	28	11.9	54	25.0	24
Wetzel.....	20,046	43.5	39	4.0	37	19.7	20	19.8	39
Wirt.....	5,093	39.4	46	11.8	2	13.9	43	13.8	53
Wood.....	88,591	41.1	43	8.4	14	16.6	33	16.1	48
Wyoming.....	30,745	46.2	32	7.8	15	12.9	51	25.4	22
Wisconsin.....	4,821,313	39.7		6.4		16.9		16.4	
Adams.....	15,283	60.3	5	11.8	6	24.9	8	23.6	8
Ashland.....	16,315	57.0	7	8.6	16	26.9	6	21.5	18
Barron.....	40,089	42.9	34	5.0	41	18.7	32	19.2	31
Bayfield.....	13,902	42.0	39	5.8	33	17.3	39	18.9	34
Brown.....	190,114	30.2	69	3.8	56	12.0	69	14.4	62
Buffalo.....	13,668	40.3	44	1.5	71	19.5	25	19.4	27
Burnett.....	12,967	45.6	24	9.3	13	18.0	35	18.3	37
Calumet.....	34,038	31.5	67	2.4	68	13.6	66	15.5	54
Chippewa.....	52,091	37.9	51	6.5	24	15.5	59	15.9	47
Clark.....	31,749	41.5	41	5.0	41	18.4	33	18.0	40
Columbia.....	44,413	44.1	29	4.5	49	20.1	19	19.5	26
Crawford.....	15,968	42.5	35	2.5	66	19.7	23	20.3	23
Dane.....	356,730	28.7	71	5.4	36	10.5	72	12.8	69
Dodge.....	75,601	36.0	57	4.0	53	15.2	60	16.8	45
Door.....	25,582	43.0	33	3.9	55	24.4	9	14.7	60

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Douglas .....	41,595	48.3	18	12.5	4	20.0	20	15.9	47
Dunn .....	35,389	30.4	68	2.8	63	15.6	56	12.0	70
Eau Claire .....	83,788	33.1	64	5.0	41	13.7	63	14.3	64
Florence .....	4,461	51.1	15	4.5	49	28.7	4	17.9	41
Fond Du Lac .....	89,427	37.8	52	6.0	32	17.2	41	14.5	61
Forest .....	8,809	68.9	3	9.1	14	29.8	3	30.1	2
Grant .....	49,548	34.6	61	2.0	69	17.6	36	15.0	57
Green .....	30,131	43.3	32	4.6	47	19.5	25	19.1	33
Green Lake .....	18,590	45.9	23	4.3	52	24.1	10	17.4	42
Iowa .....	20,081	38.2	50	2.0	69	13.7	63	22.5	12
Iron .....	6,126	93.7	2	32.6	1	33.2	1	27.8	4
Jackson .....	16,472	44.8	26	6.1	30	16.1	52	22.7	10
Jefferson .....	66,961	36.0	57	3.0	62	17.1	42	15.9	47
Juneau .....	21,333	54.9	10	10.3	9	21.2	16	23.4	9
Kenosha .....	124,994	40.5	43	5.1	40	19.4	27	15.9	47
Kewaunee .....	18,974	41.6	40	5.3	37	17.0	44	19.4	27
La Crosse .....	96,258	37.0	55	6.2	27	16.5	51	14.3	64
Lafayette .....	16,271	39.8	46	1.2	72	17.3	39	21.2	20
Langlade .....	19,455	48.7	17	12.3	5	17.0	44	19.3	30
Lincoln .....	26,842	53.2	12	8.2	18	19.0	30	26.0	5
Manitowoc .....	80,716	44.7	27	8.4	17	21.4	14	14.9	58
Marathon .....	113,768	38.3	49	6.7	22	15.9	54	15.8	52
Marinette .....	40,112	50.5	16	4.5	49	23.8	11	22.2	14
Marquette .....	12,134	56.6	8	9.9	12	27.8	5	18.9	34
Menominee .....	3,769	109.5	1	26.5	2	18.3	34	64.6	1
Milwaukee .....	953,613	48.0	20	10.1	11	19.6	24	18.2	38
Monroe .....	36,048	43.8	30	6.7	22	15.6	56	21.6	17
Oconto .....	29,746	42.3	36	2.7	64	19.9	22	19.7	25
Oneida .....	31,306	48.3	18	7.7	20	21.2	16	19.4	27
Outagamie .....	136,991	32.6	66	4.8	45	13.7	63	14.1	67
Ozaukee .....	70,646	25.9	72	3.4	58	11.8	70	10.7	72
Pepin .....	7,076	46.4	22	11.3	7	19.2	29	15.8	52
Pierce .....	32,436	35.7	59	6.2	27	13.1	67	16.4	46
Polk .....	34,119	43.4	31	5.3	37	15.8	55	22.4	13
Portage .....	60,049	34.3	62	4.0	53	11.2	71	19.2	31
Price .....	15,653	55.4	9	7.7	20	22.0	13	25.8	6
Racine .....	172,881	39.7	47	8.8	15	15.0	61	15.9	47
Richland .....	17,349	52.1	14	8.1	19	20.0	20	24.1	7
Rock .....	138,884	39.9	45	5.6	34	19.0	30	15.3	56
Rusk .....	15,151	45.2	25	2.6	65	20.7	18	21.9	16
St. Croix .....	48,182	32.9	65	2.5	66	15.6	56	14.8	59
Sauk .....	46,135	39.6	48	5.6	34	17.1	42	16.9	44
Sawyer .....	13,861	59.7	6	15.9	3	22.9	12	20.9	21
Shawano .....	36,697	46.7	21	4.9	44	21.4	14	20.3	23
Sheboygan .....	102,841	34.9	60	3.1	61	17.6	36	14.2	66
Taylor .....	18,728	37.8	52	3.2	59	16.1	52	18.4	36
Trempealeau .....	25,230	42.1	38	3.2	59	17.4	38	21.5	18
Vernon .....	25,644	42.2	37	4.7	46	19.4	27	18.1	39
Vilas .....	17,347	63.9	4	10.4	8	30.9	2	22.6	11
Walworth .....	73,551	41.0	42	6.5	24	17.0	44	17.4	42
Washburn .....	13,686	54.7	11	10.2	10	16.6	49	27.9	3
Washington .....	91,996	33.2	63	3.5	57	14.3	62	15.4	55
Waukesha .....	295,235	29.1	70	4.6	47	12.7	68	11.7	71
Waupaca .....	45,241	52.5	13	6.2	27	25.8	7	20.5	22
Waushara .....	19,140	44.3	28	5.2	39	16.9	47	22.1	15
Winnebago .....	137,950	36.4	56	6.1	30	16.6	49	13.7	68
Wood .....	73,388	37.6	54	6.3	26	16.9	47	14.4	62



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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Wyoming.....	469,995	42.4		8.6		12.2		21.6	
Albany .....	30,707	28.5	21	3.9	18	8.3	19	16.3	20
Big Horn .....	11,076	54.8	5	9.0	7	22.7	2	23.1	13
Campbell .....	31,180	25.3	22	4.5	15	6.2	21	14.6	23
Carbon.....	17,577	46.7	8	8.0	11	12.1	14	26.6	4
Converse .....	12,174	40.0	14	8.2	10	12.5	13	19.3	17
Crook.....	5,432	25.1	23	0.0	23	9.3	16	15.8	22
Fremont.....	34,671	67.4	1	23.1	1	12.9	11	31.5	1
Goshen.....	12,459	43.9	10	6.4	13	12.0	15	25.4	6
Hot Springs.....	5,183	48.5	7	15.4	2	16.1	7	17.1	19
Johnson.....	6,397	56.7	3	9.4	6	17.7	6	29.6	2
Laramie .....	73,053	40.3	13	10.1	4	14.1	9	16.1	21
Lincoln.....	13,319	38.0	16	4.5	15	8.8	17	24.7	9
Natrona.....	65,000	45.5	9	10.5	3	13.1	10	22.0	15
Niobrara.....	2,674	60.6	2	7.5	12	26.4	1	26.7	3
Park.....	23,508	36.6	18	5.1	14	12.8	12	18.7	18
Platte.....	8,646	42.4	11	2.3	21	17.9	5	22.2	14
Sheridan.....	24,267	56.0	4	9.9	5	21.3	3	24.8	8
Sublette.....	5,391	37.7	17	3.7	19	8.4	18	25.5	5
Sweetwater.....	41,197	39.4	15	8.3	9	7.2	20	24.0	10
Teton.....	10,727	33.2	19	1.9	22	6.2	21	25.1	7
Uinta.....	19,531	32.7	20	4.1	17	4.8	23	23.8	12
Washakie.....	8,907	50.9	6	9.0	7	20.0	4	21.9	16
Weston.....	6,920	41.6	12	2.9	20	14.7	8	24.0	10

Table 3

**Age-Adjusted Death Rates per 100,000 Population and Associated Ranks for Different Categories of Alcohol-Related Mortality By State: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
United States .....	244,511,162	35.7		6.9		10.5		18.3	
Alabama .....	4,020,638	42.6	9	6.4	26	11.4	9	24.8	4
Alaska .....	544,600	46.8	5	13.5	3	9.0	39	24.3	6
Arizona .....	3,513,867	41.0	10	9.0	9	9.2	35	22.8	11
Arkansas .....	2,343,035	36.6	20	3.4	50	9.8	31	23.4	10
California .....	28,466,631	39.7	13	10.6	6	10.5	20	18.7	25
Colorado .....	3,266,383	33.4	30	8.5	11	7.9	47	17.1	30
Connecticut .....	3,262,966	28.5	45	5.7	31	10.1	29	12.6	47
Delaware .....	647,369	37.3	18	7.5	17	12.2	5	17.5	28
District of Columbia .....	627,390	73.5	1	21.5	1	23.0	1	29.1	1
Florida .....	12,310,405	40.3	12	7.1	21	10.6	17	22.6	12
Georgia.....	6,300,191	44.7	6	8.4	12	12.4	3	23.9	7
Hawaii.....	1,080,550	26.1	51	3.2	51	10.4	23	12.5	48
Idaho.....	992,550	33.4	30	4.8	42	7.8	48	20.7	18
Illinois.....	11,402,778	35.6	24	6.9	22	11.9	6	16.8	32
Indiana.....	5,497,852	31.1	36	4.3	47	10.2	25	16.6	34
Iowa.....	2,775,244	26.6	50	4.0	49	8.2	43	14.4	43
Kansas.....	2,458,327	29.7	41	4.2	48	8.7	40	16.7	33
Kentucky.....	3,683,114	35.3	26	5.2	37	10.5	20	19.6	21
Louisiana.....	4,302,944	40.8	11	4.9	40	12.3	4	23.7	8
Maine.....	1,201,382	31.3	35	6.5	25	10.2	25	14.6	41
Maryland.....	4,644,212	36.5	21	6.9	22	11.8	7	17.8	27
Massachusetts.....	5,970,437	28.1	47	5.2	37	11.3	11	11.6	51
Michigan.....	9,217,167	37.7	17	7.6	14	11.2	13	18.9	24
Minnesota.....	4,290,327	26.9	49	5.3	36	8.2	43	13.5	45
Mississippi.....	2,582,238	43.4	7	5.6	33	11.4	9	26.4	3
Missouri.....	5,075,370	34.1	28	5.1	39	9.2	35	19.8	20
Montana.....	803,631	38.2	16	7.6	14	8.7	40	21.9	14
Nebraska.....	1,573,285	27.8	48	4.7	43	8.0	46	15.1	39
Nevada.....	1,083,768	47.0	4	13.0	4	10.5	20	23.5	9
New Hampshire.....	1,075,217	29.6	42	5.8	29	10.2	25	13.6	44
New Jersey.....	7,692,922	30.0	39	6.6	24	11.5	8	11.9	50
New Mexico.....	1,490,250	51.3	2	14.1	2	9.3	34	27.8	2
New York.....	17,924,886	35.6	24	8.7	10	11.3	11	15.6	37
North Carolina.....	6,480,558	42.7	8	10.3	7	11.2	13	21.3	15
North Dakota.....	654,270	28.3	46	7.2	20	7.6	50	13.5	45
Ohio.....	10,793,925	29.3	43	4.4	45	10.3	24	14.5	42
Oklahoma.....	3,185,474	33.7	29	4.9	40	9.2	35	19.6	21
Oregon.....	2,752,002	36.8	19	9.3	8	8.1	45	19.4	23
Pennsylvania.....	11,838,394	30.3	37	4.4	45	10.6	17	15.3	38
Rhode Island.....	993,578	30.3	37	7.6	14	10.6	17	12.1	49
South Carolina.....	3,416,062	47.9	3	10.7	5	12.6	2	24.6	5
South Dakota.....	696,641	33.1	32	7.3	19	7.8	48	18.0	26
Tennessee.....	4,815,557	38.8	14	5.6	33	10.8	16	22.4	13
Texas.....	16,730,189	35.9	23	4.7	43	10.2	25	21.0	17
Utah.....	1,691,963	29.2	44	5.4	35	7.5	51	16.4	35
Vermont.....	548,958	33.0	33	7.4	18	9.6	32	15.9	36
Virginia.....	6,018,211	34.3	27	6.2	27	11.0	15	17.2	29
Washington.....	4,647,916	32.1	34	5.9	28	9.2	35	16.9	31
West Virginia.....	1,834,235	36.2	22	5.8	29	10.0	30	20.5	19
Wisconsin.....	4,821,313	29.9	40	5.7	31	9.4	33	14.8	40
Wyoming.....	469,995	38.3	15	8.4	12	8.7	40	21.2	16

Table 4

**Age-Adjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Alabama .....	4,020,638	42.6		6.4		11.4		24.8	
Autauga .....	34,005	47.2	27	5.4	28	12.1	23	29.7	27
Baldwin .....	95,139	35.9	58	4.1	45	9.7	46	22.0	57
Barbour .....	25,294	51.5	15	4.6	38	14.2	8	32.6	16
Bibb .....	16,334	52.0	14	3.7	52	15.9	5	32.4	17
Blount .....	39,057	36.8	54	3.3	56	10.2	38	23.3	50
Bullock .....	10,888	54.7	9	9.9	8	16.6	3	28.2	32
Butler .....	21,941	50.2	18	3.8	51	12.9	18	33.6	10
Calhoun .....	117,260	45.1	33	7.9	14	10.9	32	26.4	41
Chambers .....	37,464	47.3	26	5.4	28	14.1	9	27.9	34
Cherokee .....	19,291	52.1	13	4.1	45	9.6	47	38.4	4
Chilton .....	31,961	33.1	65	1.8	63	7.0	67	24.3	47
Choctaw .....	16,187	40.8	44	0.2	66	7.7	65	32.9	14
Clarke .....	27,340	48.3	21	4.3	43	10.7	35	33.3	11
Clay .....	13,327	60.0	3	5.8	23	13.7	12	40.4	2
Cleburne .....	12,705	54.6	10	5.1	32	8.1	63	41.3	1
Coffee .....	40,211	34.2	60	3.9	48	9.1	51	21.3	59
Colbert .....	52,485	37.7	52	5.4	28	10.0	41	22.4	55
Conecuh .....	14,520	56.5	7	11.7	5	13.1	16	31.7	21
Coosa .....	11,050	67.2	1	16.1	1	13.5	14	37.7	5
Covington .....	36,493	45.3	32	5.5	27	12.2	22	27.6	36
Crenshaw .....	13,574	59.1	5	13.9	2	10.2	38	35.0	7
Cullman .....	66,980	32.8	66	1.6	64	8.0	64	23.2	51
Dale .....	49,180	39.4	48	3.6	54	13.2	15	22.6	53
Dallas .....	49,560	59.6	4	12.4	3	19.0	1	28.2	32
De Kalb .....	54,252	38.8	49	4.4	41	11.2	29	23.2	51
Elmore .....	48,129	40.5	47	7.3	16	10.6	36	22.6	53
Escambia .....	36,168	50.6	16	9.4	10	11.9	25	29.4	28
Etowah .....	100,363	41.7	42	6.8	19	11.2	29	23.7	48
Fayette .....	18,372	38.4	51	3.7	52	9.3	48	25.4	45
Franklin .....	27,972	40.6	45	5.1	32	8.5	59	27.0	38
Geneva .....	23,821	41.8	41	4.5	40	10.8	34	26.5	40
Greene .....	10,285	48.7	19	2.9	57	11.3	27	34.5	8
Hale .....	15,287	44.9	36	2.8	58	11.9	25	30.2	25
Henry .....	15,313	55.5	8	9.9	8	13.6	13	31.9	19
Houston .....	80,377	36.5	56	4.8	35	11.2	29	20.5	62
Jackson .....	48,337	46.5	29	6.9	17	10.9	32	28.8	30
Jefferson .....	655,961	47.9	24	10.3	7	12.4	19	25.2	46
Lamar .....	15,978	36.7	55	1.0	65	9.3	48	26.4	41
Lauderdale .....	80,273	31.3	67	4.4	41	8.9	52	18.0	66
Lawrence .....	31,461	44.7	37	4.2	44	8.9	52	31.6	22
Lee .....	85,252	36.2	57	4.8	35	13.8	11	17.7	67
Limestone .....	52,778	34.6	59	4.6	38	8.8	55	21.2	60
Lowndes .....	12,719	47.5	25	5.7	24	8.9	52	33.0	13
Macon .....	25,215	52.5	11	5.7	24	15.9	5	30.9	24
Madison .....	232,570	34.2	60	5.3	31	9.8	44	19.0	64
Marengo .....	23,459	43.6	38	4.7	37	12.3	21	26.6	39
Marion .....	30,144	41.4	43	2.4	59	7.1	66	31.8	20
Marshall .....	70,048	48.1	22	6.9	17	8.8	55	32.4	17
Mobile .....	376,865	45.9	31	6.4	21	13.9	10	25.6	44
Monroe .....	23,539	48.5	20	3.9	48	11.3	27	33.3	11
Montgomery .....	208,825	40.6	45	8.4	13	13.0	17	19.2	63
Morgan .....	98,296	33.7	64	3.9	48	8.6	58	21.1	61
Perry .....	13,194	45.1	33	12.2	4	10.5	37	22.4	55
Pickens .....	20,985	43.1	39	1.9	61	8.3	61	32.9	14
Pike .....	27,635	47.0	28	8.7	12	14.7	7	23.6	49
Randolph .....	19,881	61.0	2	7.6	15	16.6	3	36.7	6
Russell .....	46,867	57.4	6	11.5	6	17.3	2	28.6	31
St. Clair .....	48,404	42.7	40	5.7	24	9.3	48	27.6	36

Table 4

**Age-Adjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Shelby .....	91,891	33.8	63	4.1	45	8.2	62	21.6	58
Sumter .....	16,453	38.7	50	0.0	67	8.5	59	30.2	25
Talladega .....	74,529	45.0	35	4.9	34	12.4	19	27.7	35
Tallapoosa .....	38,657	48.0	23	6.6	20	12.0	24	29.4	28
Tuscaloosa .....	147,592	34.1	62	5.9	22	10.0	41	18.2	65
Walker .....	67,535	46.3	30	1.9	61	10.0	41	34.4	9
Washington .....	16,657	52.4	12	3.4	55	10.2	38	38.8	3
Wilcox .....	13,887	50.4	17	9.4	10	9.8	44	31.2	23
Winston .....	22,165	37.2	53	2.2	60	8.7	57	26.3	43
Alaska .....	544,600	46.8		13.5		9.0		24.3	
Arizona .....	3,513,867	41.0		9.0		9.2		22.8	
Apache .....	60,011	108.1	1	35.7	1	9.9	7	62.5	1
Cochise .....	95,963	38.4	10	9.1	9	9.7	9	19.6	13
Coconino .....	92,385	54.2	6	16.4	4	8.7	12	29.1	5
Gila .....	39,737	55.8	5	17.1	3	11.4	2	27.3	6
Graham .....	25,837	45.2	7	15.7	5	9.5	10	20.0	12
Greenlee .....	8,509	33.5	13	0.0	14	9.5	10	24.0	8
Maricopa .....	2,030,098	36.5	12	7.4	12	8.7	12	20.3	11
Mohave .....	86,957	58.9	4	9.5	8	12.2	1	37.2	3
Navajo .....	76,115	79.4	2	27.7	2	10.1	5	41.6	2
Pima .....	644,044	38.0	11	7.5	11	9.9	7	20.6	10
Pinal .....	111,333	61.0	3	14.0	6	10.1	5	36.9	4
Santa Cruz .....	27,789	26.2	14	3.2	13	10.6	3	12.4	14
Yavapai .....	99,994	41.4	9	8.0	10	7.7	14	25.7	7
Yuma/La Paz .....	115,094	44.3	8	9.9	7	10.5	4	24.0	8
Arkansas .....	2,343,035	36.6		3.4		9.8		23.4	
Arkansas .....	22,188	40.8	21	4.6	19	9.9	31	26.3	33
Ashley .....	24,763	37.0	40	2.6	36	9.6	36	24.9	44
Baxter .....	30,609	36.8	41	6.5	4	8.7	46	21.6	58
Benton .....	93,067	29.3	69	1.9	47	7.7	63	19.6	67
Boone .....	27,937	28.6	74	2.5	37	7.2	69	18.8	71
Bradley .....	12,184	43.2	15	0.8	65	9.8	34	32.6	10
Calhoun .....	5,894	57.2	2	4.9	18	8.4	48	44.0	1
Carroll .....	18,355	29.2	71	5.9	9	7.7	63	15.6	74
Chicot .....	16,221	51.1	8	4.3	22	13.8	5	33.1	8
Clark .....	22,002	27.6	75	2.4	40	9.7	35	15.4	75
Clay .....	18,501	33.3	56	1.2	56	10.7	23	21.4	60
Cleburne .....	18,996	29.0	73	2.3	42	7.2	69	19.5	68
Cleveland .....	7,865	34.9	51	0.0	68	9.6	36	25.3	42
Columbia .....	25,909	41.7	19	5.0	15	10.6	25	26.1	34
Conway .....	19,269	39.5	28	6.5	4	10.4	29	22.6	55
Craighead .....	67,141	29.2	71	1.0	60	8.4	48	19.8	66
Crawford .....	41,204	31.2	63	1.4	54	9.1	41	20.7	63
Crittenden .....	49,624	53.5	6	6.5	4	14.5	2	32.5	11
Cross .....	19,531	41.2	20	2.1	45	12.5	10	26.7	30
Dallas .....	9,842	56.0	3	6.7	3	12.8	7	36.5	4
Desha .....	17,484	49.1	12	6.0	8	10.8	21	32.3	12
Drew .....	17,595	42.4	17	5.2	13	7.8	60	29.4	21
Faulkner .....	57,012	29.3	69	1.1	57	9.1	41	19.1	70
Franklin .....	14,962	33.0	58	1.1	57	8.2	54	23.6	50
Fulton .....	10,029	38.6	33	2.7	34	10.5	28	25.5	39
Garland .....	73,207	37.8	38	5.0	15	9.9	31	22.9	54
Grant .....	13,652	47.1	13	2.5	37	10.6	25	34.0	7
Greene .....	31,744	36.6	43	5.6	12	7.8	60	23.1	53
Hempstead .....	22,026	36.3	46	1.6	50	10.3	30	24.4	45
Hot Spring .....	26,452	39.3	30	3.7	26	8.8	45	26.8	29

Table 4

**Age-Adjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Howard.....	13,588	38.3	36	0.0	68	8.4	48	29.9	19
Independence.....	31,402	34.5	52	0.9	63	8.0	57	25.6	37
Izard.....	11,224	33.6	54	0.6	66	7.6	67	25.4	41
Jackson.....	19,430	40.6	22	2.8	32	10.8	21	26.9	28
Jefferson.....	86,293	40.6	22	3.9	24	11.0	16	25.6	37
Johnson.....	18,279	36.4	45	1.8	48	8.7	46	25.9	36
Lafayette.....	9,837	56.0	3	5.8	10	15.4	1	34.8	5
Lawrence.....	17,815	32.3	60	3.2	31	8.4	48	20.7	63
Lee.....	13,612	49.2	11	6.2	7	11.5	13	31.4	15
Lincoln.....	13,670	29.7	67	1.1	57	5.1	75	23.5	51
Little River.....	13,997	35.3	50	1.6	50	7.8	60	26.0	35
Logan.....	20,650	29.7	67	1.3	55	6.7	71	21.7	57
Lonoke.....	38,480	36.5	44	1.5	53	11.0	16	24.0	48
Madison.....	11,614	39.7	27	5.1	14	9.2	40	25.5	39
Marion.....	11,888	36.8	41	3.7	26	7.9	59	25.1	43
Miller.....	38,411	41.8	18	8.4	1	11.3	14	22.2	56
Mississippi.....	58,100	40.5	24	3.3	30	10.6	25	26.6	31
Monroe.....	11,859	57.3	1	5.8	10	14.5	2	37.0	3
Montgomery.....	7,838	33.9	53	2.7	34	9.5	39	21.6	58
Nevada.....	10,360	40.4	25	0.0	68	12.6	9	27.9	23
Newton.....	7,740	30.8	65	0.0	68	6.7	71	24.0	48
Ouachita.....	30,951	37.3	39	2.5	37	11.3	14	23.5	51
Perry.....	7,833	35.6	49	0.0	68	8.3	53	27.3	26
Phillips.....	30,159	51.9	7	5.0	15	12.8	7	34.1	6
Pike.....	9,980	38.7	32	0.6	66	10.7	23	27.4	25
Poinsett.....	25,043	51.0	9	4.6	19	14.5	2	32.0	13
Polk.....	17,162	42.5	16	1.6	50	8.1	56	32.9	9
Pope.....	44,703	32.8	59	3.7	26	7.7	63	21.4	60
Prairie.....	9,697	33.4	55	0.0	68	9.0	43	24.4	45
Pulaski.....	350,419	35.8	48	3.9	24	10.9	19	21.0	62
Randolph.....	16,625	39.4	29	0.9	63	7.7	63	30.9	16
St. Francis.....	29,308	45.3	14	3.6	29	11.8	12	29.8	20
Saline.....	61,717	29.9	66	2.4	40	8.2	54	19.2	69
Scott.....	10,133	39.3	30	2.0	46	9.9	31	27.3	26
Searcy.....	8,125	38.0	37	1.7	49	5.6	74	30.8	17
Sebastian.....	98,713	31.4	62	4.0	23	10.9	19	16.6	73
Sevier.....	13,810	38.4	35	0.0	68	9.6	36	28.9	22
Sharp.....	14,250	40.1	26	2.2	43	6.4	73	31.5	14
Stone.....	9,694	33.2	57	1.0	60	8.0	57	24.2	47
Union.....	47,256	51.0	9	7.0	2	13.3	6	30.7	18
Van Buren.....	13,924	36.2	47	2.2	43	7.5	68	26.4	32
Washington.....	110,631	32.0	61	4.6	19	9.0	43	18.4	72
White.....	54,019	31.2	63	2.8	32	8.4	48	20.0	65
Woodruff.....	9,957	53.9	5	1.0	60	12.5	10	40.4	2
Yell.....	17,571	38.5	34	0.0	68	11.0	16	27.5	24
California.....	28,466,631	39.7		10.6		10.5		18.7	
Alameda.....	1,243,326	38.2	38	9.6	22	12.4	12	16.3	49
Alpine.....	1,141	103.9	1	43.6	1	13.0	6	47.3	1
Amador.....	27,112	28.2	58	3.5	56	7.3	56	17.4	44
Butte.....	173,962	39.6	36	6.1	48	10.3	31	23.1	30
Calaveras.....	29,678	50.5	10	4.1	52	9.7	39	36.7	3
Colusa.....	15,632	38.7	37	1.6	58	11.1	23	26.1	19
Contra Costa.....	768,336	34.2	46	7.0	42	10.7	27	16.5	48
Del Norte.....	22,029	54.6	7	17.1	3	12.5	10	25.0	23
El Dorado.....	116,219	39.9	35	8.3	32	9.7	39	21.8	34
Fresno.....	634,459	44.7	28	10.0	20	9.7	39	25.0	23
Glenn.....	24,095	48.5	13	11.1	14	9.4	45	28.1	14
Humboldt.....	116,252	52.7	9	16.0	6	11.3	21	25.5	21

Table 4

**Age-Adjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Imperial.....	105,595	47.9	15	12.3	11	12.6	9	23.0	31
Inyo.....	18,157	60.6	4	22.5	2	12.4	12	25.7	20
Kern.....	518,037	47.0	19	10.5	17	11.0	24	25.5	21
Kings.....	94,345	37.8	39	6.4	44	12.2	14	19.1	38
Lake.....	48,618	58.5	6	14.8	8	14.8	3	28.9	11
Lassen.....	26,378	40.7	34	10.0	20	9.1	49	21.6	35
Los Angeles.....	8,592,335	45.5	23	15.1	7	10.1	35	20.3	36
Madera.....	83,109	47.6	17	8.5	31	8.4	53	30.7	8
Marin.....	226,870	31.7	53	7.2	41	10.7	27	13.8	54
Mariposa.....	13,675	45.6	22	5.1	50	7.0	57	33.5	4
Mendocino.....	77,861	50.4	11	7.4	40	11.8	19	31.2	7
Merced.....	170,048	44.4	30	8.0	33	12.5	10	24.0	27
Modoc.....	9,589	60.2	5	6.1	48	12.2	14	42.0	2
Mono.....	9,598	44.8	27	9.2	25	6.5	58	29.0	10
Monterey.....	345,445	37.2	41	8.7	30	10.5	30	18.0	41
Napa.....	108,139	30.8	54	4.1	52	10.2	33	16.6	47
Nevada.....	73,465	32.7	49	4.1	52	8.6	51	20.0	37
Orange.....	2,311,657	29.0	56	6.2	47	9.7	39	13.0	56
Placer.....	160,076	32.8	48	4.9	51	9.3	47	18.6	39
Plumas.....	19,213	45.2	25	6.5	43	11.0	24	27.6	15
Riverside.....	1,046,162	44.5	29	11.5	13	9.6	43	23.4	29
Sacramento.....	984,005	36.9	42	8.8	28	10.3	31	17.9	42
San Benito.....	34,245	42.3	31	11.1	14	8.5	52	22.7	33
San Bernardino.....	1,288,965	48.8	12	12.9	10	11.9	18	24.0	27
San Diego.....	2,354,143	32.9	47	8.0	33	9.6	43	15.3	51
San Francisco.....	726,792	45.5	23	13.5	9	15.0	2	17.0	45
San Joaquin.....	456,330	46.9	20	10.4	19	12.1	16	24.4	26
San Luis Obispo.....	206,358	31.8	52	8.0	33	8.3	54	15.5	50
San Mateo.....	634,158	32.1	51	8.8	28	11.0	24	12.3	57
Santa Barbara.....	358,589	30.4	55	9.1	26	8.2	55	13.1	55
Santa Clara.....	1,457,494	28.7	57	6.3	46	10.0	36	12.3	57
Santa Cruz.....	221,968	35.9	44	10.5	17	10.2	33	15.2	52
Shasta.....	140,213	47.3	18	9.5	23	10.7	27	27.0	18
Sierra.....	3,251	64.7	2	16.9	4	18.7	1	29.1	9
Siskiyou.....	42,592	53.4	8	12.2	12	9.4	45	31.8	6
Solano.....	317,126	35.4	45	6.4	44	12.0	17	16.9	46
Sonoma.....	367,554	37.3	40	8.9	27	9.8	37	18.6	39
Stanislaus.....	346,345	41.6	32	7.6	39	11.2	22	22.8	32
Sutter.....	61,832	48.1	14	7.9	36	12.8	7	27.3	17
Tehama.....	47,443	46.1	21	7.9	36	9.8	37	28.5	12
Trinity.....	12,784	62.5	3	16.4	5	13.2	5	32.9	5
Tulare.....	299,491	47.8	16	7.7	38	11.7	20	28.4	13
Tuolumne.....	45,458	36.7	43	2.8	57	9.2	48	24.7	25
Ventura.....	638,405	32.3	50	9.4	24	8.9	50	14.0	53
Yolo.....	134,190	41.1	33	10.9	16	12.8	7	17.5	43
Yuba.....	56,286	45.1	26	3.6	55	14.2	4	27.4	16
Colorado.....	3,266,383	33.4		8.5		7.9		17.1	
Adams.....	265,770	32.8	35	7.3	26	9.3	8	16.2	55
Alamosa.....	13,324	42.8	18	15.2	9	5.4	44	22.2	25
Arapahoe.....	383,694	25.5	57	5.5	34	7.0	25	13.0	61
Archuleta.....	5,175	42.9	17	5.2	37	8.8	11	28.9	9
Baca.....	4,679	18.5	63	3.8	47	2.3	61	12.4	62
Bent.....	5,341	48.2	10	12.6	12	8.2	15	27.4	11
Boulder.....	221,385	25.8	55	6.1	29	6.3	35	13.4	59
Chaffee.....	12,855	46.7	14	17.9	5	7.3	24	21.6	29
Cheyenne.....	2,404	48.3	9	0.0	57	21.3	1	27.0	12
Clear Creek.....	7,685	22.0	60	0.0	57	4.5	50	17.4	47
Conejos.....	7,522	51.3	8	18.2	4	9.1	9	24.0	16

Table 4

**Age-Adjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Costilla.....	3,311	73.8	2	17.9	5	7.5	22	48.4	3
Crowley.....	3,733	32.5	36	3.2	48	8.6	13	20.7	36
Custer.....	1,875	34.7	30	9.8	16	1.8	62	23.1	23
Delta.....	21,694	36.3	26	5.9	32	5.8	38	24.6	14
Denver.....	481,110	48.0	12	17.9	5	9.5	6	20.6	37
Dolores.....	1,569	21.9	62	0.0	57	2.5	59	19.4	40
Douglas.....	52,412	24.1	59	2.9	51	6.1	37	15.1	56
Eagle.....	20,473	33.8	34	4.1	46	5.7	39	24.0	16
Elbert.....	9,082	32.1	38	2.5	52	6.7	31	22.9	24
El Paso.....	387,068	34.4	33	8.4	21	8.9	10	17.0	52
Fremont.....	32,039	34.5	31	4.8	41	8.1	16	21.7	28
Garfield.....	28,654	32.2	37	3.0	49	5.0	48	24.2	15
Gilpin.....	3,001	28.0	48	7.5	25	3.4	56	17.1	49
Grand.....	8,219	28.3	47	5.5	34	5.4	44	17.4	47
Gunnison.....	10,319	34.5	31	9.1	20	4.4	52	21.1	33
Hinsdale.....	472	119.8	1	27.7	2	3.3	57	88.8	1
Huerfano.....	6,256	47.2	13	7.3	26	11.6	4	28.3	10
Jackson.....	1,654	63.7	4	0.0	57	5.6	40	58.1	2
Jefferson.....	432,339	26.9	52	4.5	44	8.1	16	14.3	57
Kiowa.....	1,733	25.8	55	0.0	57	8.7	12	17.1	49
Kit Carson.....	7,299	36.7	25	6.0	30	6.9	26	23.7	20
Lake.....	6,629	30.3	42	5.1	39	4.0	53	21.1	33
La Plata.....	31,990	36.3	26	9.8	16	7.6	21	18.9	42
Larimer.....	180,626	25.2	58	5.4	36	6.4	34	13.4	59
Las Animas.....	14,068	57.3	7	14.9	10	10.8	5	31.6	5
Lincoln.....	4,606	27.4	50	4.7	42	5.6	40	17.1	49
Logan.....	18,260	30.6	41	5.2	37	6.9	26	18.5	43
Mesa.....	91,403	35.1	29	9.5	18	7.8	19	17.9	46
Mineral.....	617	63.4	5	23.0	3	19.0	2	21.4	31
Moffat.....	11,900	22.0	60	0.0	57	3.7	55	18.3	44
Montezuma.....	18,876	48.2	10	12.4	13	6.5	33	29.4	8
Montrose.....	24,458	28.8	45	7.9	23	4.5	50	16.5	54
Morgan.....	22,129	30.0	43	5.1	39	8.0	18	16.9	53
Otero.....	20,794	37.7	23	10.3	15	6.8	29	20.6	37
Ouray.....	2,213	40.7	20	7.6	24	2.4	60	30.7	7
Park.....	6,978	43.8	16	4.6	43	7.7	20	31.5	6
Phillips.....	4,282	37.8	22	2.2	54	12.1	3	23.6	21
Pitkin.....	12,031	27.9	49	4.3	45	1.6	63	22.0	26
Prowers.....	13,644	35.7	28	5.8	33	6.7	31	23.2	22
Pueblo.....	123,778	44.6	15	14.0	11	9.5	6	21.0	35
Rio Blanco.....	6,228	28.4	46	3.0	49	5.4	44	20.0	39
Rio Grande.....	10,977	41.0	19	9.3	19	5.6	40	26.1	13
Routt.....	14,053	27.3	51	2.3	53	2.9	58	22.0	26
Saguache.....	4,489	61.6	6	16.4	8	5.2	47	39.9	4
San Juan.....	753	64.0	3	47.2	1	4.6	49	12.2	63
San Miguel.....	3,512	31.4	40	0.0	57	7.5	22	23.9	19
Sedgwick.....	2,819	26.4	53	8.4	21	4.0	53	14.0	58
Summit.....	12,436	26.4	53	1.1	56	6.3	35	19.0	41
Teller.....	11,839	37.6	24	10.6	14	5.5	43	21.5	30
Washington.....	4,954	30.0	43	2.0	55	6.8	29	21.2	32
Weld.....	131,750	31.8	39	6.7	28	6.9	26	18.2	45
Yuma.....	9,144	38.4	21	6.0	30	8.5	14	24.0	16
Connecticut.....	3,262,966	28.5		5.7		10.1		12.6	
Fairfield.....	831,072	28.0	5	4.7	6	10.4	2	12.8	3
Hartford.....	844,748	29.2	3	6.7	2	10.4	2	12.2	6
Litchfield.....	170,385	26.7	7	4.7	6	8.3	8	13.7	2
Middlesex.....	140,571	25.5	8	4.0	8	9.6	6	11.9	7
New Haven.....	797,291	28.3	4	5.8	5	9.9	5	12.6	5

Table 4

**Age-Adjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986-1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
New London .....	252,837	31.4	2	7.4	1	11.3	1	12.7	4
Tolland.....	125,746	27.1	6	6.2	3	9.4	7	11.5	8
Windham .....	100,316	33.0	1	6.1	4	10.4	2	16.4	1
Delaware .....	647,369	37.3		7.5		12.2		17.5	
Kent.....	108,133	36.4	2	5.3	3	10.8	3	20.4	2
New Castle.....	429,564	35.2	3	7.9	2	12.4	2	15.0	3
Sussex .....	109,671	46.1	1	8.2	1	12.8	1	25.2	1
District of Columbia .....	627,390	73.5		21.5		23.0		29.1	
Florida.....	12,310,405	40.3		7.1		10.6		22.6	
Alachua .....	176,361	39.7	45	9.2	10	12.4	18	18.1	60
Baker.....	17,873	42.6	36	6.3	40	10.6	43	25.8	35
Bay .....	122,420	41.7	40	7.1	25	11.4	29	23.2	43
Bradford.....	22,458	49.0	23	7.3	20	13.5	13	28.3	25
Brevard.....	375,872	38.7	52	7.7	18	10.3	49	20.7	55
Broward.....	1,204,794	39.7	45	9.2	10	10.4	46	20.0	57
Calhoun.....	10,452	50.0	19	5.0	53	11.6	26	33.3	12
Charlotte.....	99,717	37.7	55	5.0	53	10.4	46	22.3	49
Citrus.....	86,163	44.7	30	7.0	28	9.1	63	28.6	24
Clay .....	98,445	30.1	67	3.4	64	9.9	53	16.7	64
Collier.....	137,987	49.2	22	10.2	8	9.7	56	29.3	21
Columbia.....	41,376	52.4	12	9.1	12	11.8	23	31.4	17
Dade.....	1,871,718	43.8	33	7.1	25	11.4	29	25.2	39
De Soto.....	22,938	61.1	8	10.8	7	11.0	35	39.3	7
Dixie.....	9,999	63.6	6	12.1	4	9.3	59	42.2	6
Duval.....	653,489	50.3	18	7.9	16	14.2	10	28.2	27
Escambia.....	258,832	41.6	41	7.4	19	12.3	19	21.9	52
Flagler.....	24,268	38.9	51	2.4	66	10.9	36	25.6	36
Franklin.....	8,738	53.3	11	11.3	6	13.7	11	28.3	25
Gadsden.....	41,195	61.5	7	6.6	34	16.9	1	38.0	8
Gilchrist.....	8,879	49.8	20	5.9	41	12.2	21	31.7	15
Glades.....	7,339	81.9	1	8.9	13	16.3	2	56.7	1
Gulf.....	11,293	54.6	10	4.2	61	15.1	6	35.3	9
Hamilton.....	10,338	46.3	28	14.0	1	10.8	38	21.4	53
Hardee.....	19,712	49.8	20	5.2	51	11.5	28	33.1	14
Hendry.....	24,439	68.1	3	5.9	41	13.5	13	48.8	2
Hernando.....	89,680	37.6	56	5.0	53	11.2	32	21.4	53
Highlands.....	64,113	43.3	35	4.5	57	10.0	52	28.8	22
Hillsborough.....	798,808	41.5	42	7.3	20	11.7	25	22.6	48
Holmes.....	15,489	46.8	26	5.3	49	10.8	38	30.8	19
Indian River.....	84,782	39.1	50	6.9	30	10.2	50	22.0	50
Jackson.....	41,022	37.9	54	4.0	62	9.7	56	24.2	41
Jefferson.....	11,152	64.2	5	5.3	49	15.5	4	43.4	4
Lafayette.....	5,223	38.4	53	0.0	67	4.3	67	34.2	11
Lake.....	142,622	44.1	32	7.0	28	11.6	26	25.5	37
Lee.....	308,819	42.4	37	6.4	38	9.3	59	26.7	32
Leon.....	182,986	32.5	64	7.1	25	10.8	38	14.6	67
Levy.....	24,795	69.6	2	13.6	2	12.6	16	43.4	4
Liberty.....	5,352	46.6	27	7.2	22	12.5	17	26.9	31
Madison.....	16,221	52.1	13	9.5	9	15.2	5	27.4	30
Manatee.....	199,261	34.8	61	5.7	45	9.2	61	19.9	58
Marion.....	181,453	45.3	29	6.7	31	10.7	41	27.9	29
Martin.....	93,443	39.4	48	6.7	31	9.9	53	22.9	44
Monroe.....	74,804	50.5	16	13.0	3	12.0	22	25.5	37
Nassau.....	41,790	43.7	34	2.9	65	12.7	15	28.1	28
Okaloosa.....	137,980	32.0	65	4.5	57	9.5	58	18.0	62



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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Okeechobee .....	27,970	65.9	4	6.4	38	15.7	3	43.9	3
Orange .....	635,828	35.3	59	6.5	35	10.7	41	18.1	60
Osceola .....	96,747	39.5	47	6.5	35	9.1	63	23.9	42
Palm Beach .....	806,629	39.2	49	7.2	22	9.2	61	22.9	44
Pasco .....	264,334	36.4	58	5.9	41	10.2	50	20.3	56
Pinellas .....	833,373	33.5	63	6.7	31	10.4	46	16.5	65
Polk .....	388,882	42.3	39	5.9	41	10.6	43	25.9	34
Putnam .....	62,711	51.0	15	5.6	46	14.5	9	30.9	18
St. Johns .....	77,581	42.4	37	8.4	14	11.1	33	22.9	44
St. Lucie .....	136,958	47.0	25	6.5	35	11.8	23	28.7	23
Santa Rosa .....	76,110	36.9	57	5.5	47	8.6	65	22.8	47
Sarasota .....	264,213	33.7	62	7.2	22	8.3	66	18.3	59
Seminole .....	265,313	31.4	66	5.1	52	9.9	53	16.5	65
Sumter .....	30,244	50.4	17	4.8	56	12.3	19	33.3	12
Suwannee .....	25,998	51.7	14	5.4	48	14.6	8	31.7	15
Taylor .....	17,006	48.2	24	8.2	15	14.8	7	25.1	40
Union .....	10,291	35.3	59	4.5	57	13.7	11	17.1	63
Volusia .....	346,801	41.2	44	7.9	16	11.3	31	22.0	50
Wakulla .....	13,565	44.7	30	4.3	60	10.6	43	29.8	20
Walton .....	26,702	57.6	9	11.6	5	11.1	33	35.0	10
Washington .....	16,259	41.4	43	4.0	62	10.9	36	26.5	33
Georgia .....	6,300,191	44.7		8.4		12.4		23.9	
Appling .....	15,713	53.5	46	8.1	60	9.5	134	35.8	23
Atkinson .....	6,292	61.6	18	3.3	137	13.9	43	44.4	5
Bacon .....	9,573	64.0	13	8.0	62	14.2	38	41.8	11
Baker .....	3,660	55.5	35	7.1	79	14.7	31	33.7	33
Baldwin .....	39,030	38.4	133	10.1	37	10.0	122	18.4	147
Banks .....	10,007	37.5	138	1.9	150	7.1	155	28.6	71
Barrow .....	28,262	52.7	49	11.9	21	11.0	96	29.9	58
Bartow .....	52,644	46.4	87	9.6	40	11.0	96	25.8	100
Ben Hill .....	16,383	52.3	52	1.9	150	13.5	49	36.9	21
Berrien .....	13,985	48.3	79	3.6	130	14.3	37	30.3	54
Bibb .....	150,488	50.9	64	8.8	48	17.1	12	25.0	111
Bleckley .....	10,470	63.0	15	14.6	12	10.4	112	38.0	16
Brantley .....	10,709	48.5	78	3.5	134	9.9	126	35.1	24
Brooks .....	15,324	48.2	80	11.3	26	12.2	74	24.8	115
Bryan .....	14,060	52.2	53	6.1	96	13.3	54	32.8	37
Bulloch .....	41,696	38.3	134	4.7	116	12.8	63	20.8	136
Burke .....	20,664	67.7	8	16.4	8	13.5	49	37.8	17
Butts .....	15,155	45.7	91	8.6	52	11.0	96	26.1	95
Calhoun .....	5,221	56.9	28	5.5	106	14.1	40	37.4	18
Camden .....	26,519	43.3	105	10.4	31	12.9	62	20.1	140
Candler .....	7,719	54.7	39	7.5	72	13.4	51	33.7	33
Carrroll .....	68,449	41.2	122	5.2	110	12.6	70	23.3	126
Catoosa .....	41,205	26.8	156	0.7	155	10.1	120	16.0	155
Charlton .....	8,239	45.2	96	1.9	150	17.1	12	26.1	95
Chatham .....	215,393	42.5	112	5.2	110	14.8	27	22.5	130
Chattahoochee .....	18,073	22.0	158	0.0	156	10.4	112	11.6	158
Chattooga .....	22,082	50.0	72	8.5	57	15.6	22	25.9	98
Cherokee .....	81,830	32.9	149	3.3	137	8.5	146	21.2	133
Clarke .....	85,522	37.3	140	6.5	89	14.2	38	16.6	151
Clay .....	3,334	49.6	73	2.9	141	18.2	7	28.5	72
Clayton .....	177,062	36.7	143	7.1	79	10.6	108	19.0	144
Clinch .....	6,359	63.6	14	2.2	148	17.4	10	44.0	6
Cobb .....	420,692	32.6	150	4.2	120	10.8	104	17.5	150
Coffee .....	29,359	40.1	125	2.4	144	10.1	120	27.6	81
Colquitt .....	36,549	51.0	61	8.9	46	10.8	104	31.3	46
Columbia .....	61,444	29.0	155	3.5	134	7.9	149	17.6	149

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Cook.....	13,475	44.6	100	3.0	139	10.9	101	30.7	49
Coweta.....	50,515	47.3	81	6.9	85	12.7	68	27.8	77
Crawford.....	8,692	46.6	86	7.0	82	7.5	154	32.1	41
Crisp.....	20,022	55.8	31	8.8	48	12.3	73	34.7	27
Dade.....	12,911	35.0	147	4.2	120	9.9	126	20.9	135
Dawson.....	8,331	70.5	6	6.5	89	10.2	116	53.9	1
Decatur.....	25,608	51.0	61	7.3	74	13.4	51	30.4	52
De Kalb.....	536,758	36.3	144	5.8	102	11.0	96	19.6	142
Dodge.....	17,520	50.1	71	10.1	37	8.2	147	31.8	43
Dooly.....	10,086	51.6	56	6.9	85	10.3	115	34.4	30
Dougherty.....	98,292	51.3	60	14.1	14	13.9	43	23.4	125
Douglas.....	68,184	41.9	116	8.1	60	13.0	59	20.8	136
Early.....	12,111	59.2	24	11.0	27	19.0	6	29.1	64
Echols.....	2,353	42.8	110	7.6	70	7.8	151	27.4	82
Effingham.....	24,140	34.7	148	2.2	148	11.4	87	21.2	133
Elbert.....	18,961	47.2	83	5.3	108	10.6	108	31.3	46
Emanuel.....	20,667	46.3	89	6.6	87	12.0	79	27.7	80
Evans.....	8,567	55.7	34	9.1	44	12.8	63	33.8	32
Fannin.....	15,721	41.4	121	6.3	92	9.5	134	25.6	104
Fayette.....	55,537	25.5	157	2.4	144	6.9	156	16.2	154
Floyd.....	80,595	42.6	111	7.3	74	11.4	87	23.9	123
Forsyth.....	40,729	45.1	97	3.7	129	11.0	96	30.4	52
Franklin.....	16,397	45.7	91	7.5	72	9.1	140	29.1	64
Fulton.....	640,015	68.6	7	22.5	2	16.1	17	30.1	57
Gilmer.....	12,893	40.8	123	1.1	154	13.6	48	26.1	95
GlascocK.....	2,391	54.2	41	11.5	25	8.8	143	33.9	31
Glynn.....	61,251	40.7	124	5.7	104	10.9	101	24.1	121
Gordon.....	34,083	41.7	117	7.2	77	10.2	116	24.3	118
Grady.....	20,501	51.6	56	10.2	33	11.9	82	29.5	60
Greene.....	11,690	71.1	5	30.0	1	18.1	8	22.9	128
Gwinnett.....	316,641	30.0	154	3.9	126	9.7	132	16.4	153
Habersham.....	27,222	30.6	153	3.6	130	8.0	148	19.0	144
Hall.....	91,898	42.1	115	8.6	52	9.4	137	24.2	120
Hancock.....	9,081	60.7	22	7.8	65	15.9	19	37.0	19
Haralson.....	21,404	53.7	44	4.1	123	14.7	31	34.9	25
Harris.....	17,398	50.3	68	10.5	30	10.0	122	29.8	59
Hart.....	19,559	39.0	132	3.8	128	10.9	101	24.3	118
Heard.....	8,203	40.0	127	5.2	110	11.6	86	23.3	126
Henry.....	53,277	41.5	119	3.6	130	12.2	74	25.7	101
Houston.....	87,387	37.1	141	6.3	92	11.4	87	19.5	143
Irwin.....	8,658	57.6	27	5.3	108	13.8	45	38.5	14
Jackson.....	29,017	43.2	107	4.6	117	11.4	87	27.3	83
Jasper.....	8,193	50.6	66	6.6	87	12.2	74	31.8	43
Jeff Davis.....	11,917	55.8	31	9.2	42	7.8	151	38.7	13
Jefferson.....	17,763	73.6	3	18.1	6	13.1	56	42.4	9
Jenkins.....	8,340	55.0	38	4.4	118	16.2	16	34.5	28
Johnson.....	8,423	54.6	40	8.6	52	16.5	15	29.5	60
Jones.....	20,102	35.5	145	2.8	143	10.2	116	22.5	130
Lamar.....	12,815	57.8	26	10.2	33	11.1	95	36.5	22
Lanier.....	5,598	50.7	65	0.0	156	13.7	46	37.0	19
Laurens.....	39,508	47.0	84	9.2	42	12.4	72	25.3	109
Lee.....	15,623	32.3	151	7.3	74	9.4	137	15.6	157
Liberty.....	49,904	39.3	131	8.7	50	14.1	40	16.6	151
Lincoln.....	7,335	64.4	12	6.1	96	13.3	54	44.9	4
Long.....	6,062	37.7	137	0.0	156	8.8	143	28.9	68
Lowndes.....	75,445	43.7	103	5.0	115	13.0	59	25.7	101
Lumpkin.....	13,762	42.9	109	6.1	96	9.9	126	26.8	89
McDuffie.....	19,998	55.2	37	12.2	20	10.8	104	32.2	40
McIntosh.....	8,457	48.6	77	5.8	102	10.0	122	32.9	36
Macon.....	13,359	61.9	16	15.3	10	21.8	3	24.8	115

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Madison.....	20,326	38.1	136	2.3	147	10.2	116	25.5	105
Marion.....	5,595	73.6	3	15.1	11	27.7	1	30.8	48
Meriwether.....	21,971	52.4	50	9.4	41	12.6	70	30.5	50
Miller.....	6,388	39.8	128	6.3	92	14.8	27	18.7	146
Mitchell.....	20,634	50.3	68	4.2	120	13.4	51	32.7	39
Monroe.....	16,704	51.0	61	10.3	32	14.0	42	26.7	90
Montgomery.....	7,189	43.2	107	7.1	79	10.8	104	25.2	110
Morgan.....	12,640	49.4	74	14.5	13	7.7	153	27.2	84
Murray.....	24,684	42.3	113	5.1	113	10.5	110	26.7	90
Muscogee.....	179,668	47.3	81	12.7	17	14.6	33	20.1	140
Newton.....	40,421	45.5	94	6.3	92	13.0	59	26.2	94
Oconee.....	16,581	32.0	152	7.6	70	8.7	145	15.7	156
Oglethorpe.....	9,670	66.6	9	12.4	19	13.7	46	40.5	12
Paulding.....	37,915	40.1	125	4.4	118	9.7	132	25.9	98
Peach.....	20,597	55.8	31	17.6	7	9.8	131	28.4	73
Pickens.....	13,848	41.5	119	4.0	124	8.9	142	28.7	69
Pierce.....	13,125	45.1	97	7.8	65	11.8	83	25.5	105
Pike.....	9,806	52.4	50	10.7	28	14.8	27	26.9	87
Polk.....	33,624	54.2	41	8.3	58	13.1	56	32.8	37
Pulaski.....	8,352	76.3	1	15.7	9	17.8	9	42.9	7
Putnam.....	13,401	53.6	45	10.0	39	11.8	83	31.8	43
Quitman.....	2,209	39.4	130	0.0	156	9.0	141	30.3	54
Rabun.....	11,399	45.4	95	8.6	52	6.3	157	30.5	50
Randolph.....	8,313	51.9	55	8.6	52	16.7	14	26.5	92
Richmond.....	190,949	51.5	58	11.6	23	14.5	36	25.4	108
Rockdale.....	50,509	37.4	139	7.8	65	11.2	94	18.4	147
Schley.....	3,576	46.4	87	6.4	91	15.4	25	24.6	117
Screven.....	14,164	54.0	43	10.7	28	14.6	33	28.7	69
Seminole.....	9,096	43.9	102	2.9	141	12.0	79	29.1	64
Spalding.....	53,367	48.8	76	9.0	45	12.8	63	26.9	87
Stephens.....	22,916	50.3	68	13.9	15	9.9	126	26.4	93
Stewart.....	5,721	61.6	18	20.3	4	15.8	21	25.5	105
Sumter.....	30,415	43.6	104	7.9	63	11.7	85	24.0	122
Talbot.....	6,463	56.5	29	12.6	18	15.9	19	28.1	75
Taliaferro.....	1,975	74.9	2	21.0	3	5.8	158	48.2	2
Tattall.....	17,697	45.7	91	4.0	124	14.6	33	27.2	84
Taylor.....	7,762	65.8	10	5.9	100	21.8	3	38.1	15
Telfair.....	11,140	65.0	11	3.0	139	15.5	24	46.5	3
Terrell.....	10,898	50.5	67	10.2	33	13.1	56	27.2	84
Thomas.....	38,721	46.1	90	7.0	82	11.3	91	27.8	77
Tift.....	34,639	55.9	30	18.2	5	12.7	68	25.0	111
Toombs.....	23,909	52.9	48	7.9	63	12.8	63	32.1	41
Towns.....	6,583	19.2	159	5.5	106	4.3	159	9.4	159
Treutlen.....	5,984	45.0	99	7.8	65	12.1	78	25.0	111
Troup.....	55,076	55.5	35	8.7	50	17.4	10	29.4	62
Turner.....	8,958	39.7	129	1.4	153	10.5	110	27.9	76
Twiggs.....	9,910	60.0	23	7.7	69	9.4	137	42.9	7
Union.....	11,456	44.1	101	3.9	126	10.0	122	30.2	56
Upson.....	26,315	52.1	54	13.7	16	15.6	22	22.8	129
Walker.....	57,623	35.2	146	3.5	134	11.3	91	20.4	138
Walton.....	36,983	49.2	75	7.2	77	12.8	63	29.2	63
Ware.....	35,987	41.6	118	5.9	100	12.0	79	23.6	124
Warren.....	6,129	59.0	25	6.1	96	24.7	2	28.2	74
Washington.....	19,119	61.4	20	11.7	22	14.8	27	34.9	25
Wayne.....	22,136	53.1	47	10.2	33	15.1	26	27.8	77
Webster.....	2,298	51.4	59	7.0	82	9.9	126	34.5	28
Wheeler.....	4,977	42.2	114	3.6	130	9.5	134	29.1	64
White.....	12,393	38.3	134	5.6	105	10.4	112	22.3	132
Whitfield.....	71,132	36.8	142	5.1	113	11.3	91	20.4	138
Wilcox.....	7,093	43.3	105	2.4	144	16.0	18	25.0	111

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Wilkes.....	10,769	61.4	20	8.3	58	20.0	5	33.0	35
Wilkinson.....	10,284	61.9	16	11.6	23	7.9	149	42.4	9
Worth.....	19,485	46.8	85	8.9	46	12.2	74	25.7	101
Hawaii.....	1,080,550	26.1		3.2		10.4		12.5	
Hawaii.....	115,357	38.5	1	4.3	1	10.5	3	23.7	1
Honolulu.....	821,657	23.9	4	3.0	3	10.2	4	10.7	4
Kauai.....	48,714	30.3	2	1.9	4	12.2	1	16.2	2
Maui/Kalawao.....	94,822	29.0	3	3.7	2	11.0	2	14.3	3
Idaho.....	992,550	33.4		4.8		7.8		20.7	
Ada.....	198,169	28.9	38	5.1	19	7.5	22	16.3	39
Adams.....	3,296	27.0	39	2.2	32	6.4	36	18.4	34
Bannock.....	65,890	30.9	34	6.1	13	8.8	11	16.0	40
Bear Lake.....	6,356	34.5	23	4.0	24	6.9	32	23.6	20
Benewah.....	8,077	50.0	6	4.5	22	11.8	3	33.7	8
Bingham.....	37,186	39.5	13	6.2	11	7.3	27	26.0	15
Blaine.....	12,939	51.8	5	6.5	8	8.2	16	37.0	6
Boise.....	3,385	57.5	3	6.3	10	11.7	4	39.5	4
Bonner.....	26,291	39.6	12	3.2	28	7.5	22	28.9	10
Bonneville.....	70,270	34.4	25	4.6	21	8.9	10	20.9	27
Boundary.....	8,046	32.0	33	5.4	17	6.6	34	20.1	28
Butte.....	2,994	36.3	18	0.0	38	13.3	2	23.0	21
Camas.....	746	20.2	44	0.0	38	5.0	41	15.2	42
Canyon.....	88,945	36.2	19	3.1	29	8.3	13	24.8	17
Caribou.....	7,304	29.1	36	3.6	25	7.1	31	18.4	34
Cassia.....	19,599	33.4	28	6.1	13	7.3	27	19.9	29
Clark.....	755	80.0	1	0.0	38	35.4	1	44.5	1
Clearwater.....	8,764	33.8	27	3.5	27	5.0	41	25.2	16
Custer.....	4,388	54.6	4	9.9	4	4.8	43	39.9	3
Elmore.....	21,128	30.1	35	2.5	31	8.3	13	19.3	30
Franklin.....	9,180	22.3	43	0.0	38	4.0	44	18.4	34
Fremont.....	10,830	34.6	22	1.3	36	7.2	29	26.1	14
Gem.....	11,843	34.3	26	5.8	15	9.4	8	19.2	31
Gooding.....	11,747	37.7	16	0.0	38	7.9	19	29.8	9
Idaho.....	13,933	39.1	14	6.2	11	6.4	36	26.5	13
Jefferson.....	16,168	35.6	20	4.4	23	6.9	32	24.3	18
Jerome.....	15,209	32.8	30	2.0	33	8.5	12	22.3	23
Kootenai.....	68,152	34.5	23	5.7	16	7.5	22	21.3	26
Latah.....	30,180	24.8	40	4.7	20	7.2	29	12.8	44
Lemhi.....	6,917	29.0	37	3.6	25	6.5	35	18.9	33
Lewis.....	3,600	68.5	2	17.1	1	9.9	5	41.4	2
Lincoln.....	3,340	41.9	10	0.0	38	7.5	22	34.3	7
Madison.....	22,859	22.5	42	1.3	36	7.9	19	13.2	43
Minidoka.....	19,576	24.1	41	0.0	38	5.9	39	18.2	37
Nez Perce.....	33,180	32.4	31	6.7	7	8.1	17	17.6	38
Oneida.....	3,441	36.4	17	14.3	2	6.1	38	16.0	40
Owyhee.....	8,291	37.8	15	1.6	35	9.6	6	26.6	12
Payette.....	16,302	33.4	28	6.5	8	8.0	18	19.0	32
Power.....	7,027	47.0	7	2.7	30	5.8	40	38.5	5
Shoshone.....	15,013	45.6	8	7.9	6	9.6	6	28.1	11
Teton.....	3,358	40.0	11	9.3	5	9.1	9	21.6	24
Twin Falls.....	53,280	34.8	21	5.4	17	7.9	19	21.4	25
Valley.....	6,125	32.3	32	1.9	34	7.4	26	23.0	21
Washington.....	8,472	44.7	9	12.4	3	8.3	13	24.0	19

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Illinois.....	11,402,778	35.6		6.9		11.9		16.8	
Adams .....	66,684	28.8	55	2.0	70	9.5	34	17.3	49
Alexander .....	10,811	62.2	1	11.6	1	15.1	1	35.5	1
Bond .....	15,158	32.9	18	1.1	83	8.3	59	23.5	8
Boone .....	30,180	28.8	55	3.0	54	6.8	87	19.1	31
Brown .....	5,754	22.0	93	0.0	92	6.6	91	15.3	71
Bureau.....	36,163	29.1	53	3.8	34	8.3	59	17.0	52
Calhoun.....	5,367	49.6	2	8.4	3	10.7	20	30.6	2
Carroll.....	17,092	29.1	53	4.7	18	7.8	68	16.6	55
Cass .....	13,635	31.6	32	4.3	24	8.0	63	19.3	29
Champaign.....	171,983	24.1	84	4.0	29	9.0	43	11.1	96
Christian .....	34,647	26.1	74	3.7	36	6.7	89	15.8	68
Clark .....	16,020	30.6	42	1.5	77	6.8	87	22.3	12
Clay .....	14,591	35.6	11	4.8	17	11.0	15	19.8	27
Clinton .....	33,705	24.5	80	3.9	32	7.7	72	12.9	86
Coles .....	51,607	23.7	86	2.3	65	11.0	15	10.4	100
Cook .....	5,136,812	43.9	4	10.7	2	14.6	3	18.6	34
Crawford.....	19,823	28.5	60	1.7	71	11.0	15	15.8	68
Cumberland.....	10,681	28.7	57	2.1	69	9.1	38	17.5	46
De Kalb.....	76,473	23.1	88	2.2	67	8.6	51	12.4	92
De Witt.....	16,712	31.4	35	2.5	61	7.2	79	21.7	15
Douglas .....	19,471	32.0	24	2.3	65	9.2	37	20.5	22
Du Page .....	754,616	21.4	96	3.5	42	8.5	53	9.4	101
Edgar .....	19,988	31.4	35	3.7	36	11.5	11	16.2	62
Edwards .....	7,633	22.4	90	0.0	92	8.5	53	13.9	80
Effingham .....	31,338	24.7	78	1.5	77	8.1	61	15.2	72
Fayette .....	21,080	27.2	68	0.0	92	9.1	38	18.1	41
Ford .....	14,406	38.3	9	1.6	75	6.7	89	30.1	3
Franklin.....	41,111	33.7	13	3.4	45	10.2	27	20.1	24
Fulton .....	38,338	27.8	65	3.0	54	8.4	56	16.3	61
Gallatin .....	7,126	39.5	6	1.3	82	12.1	7	26.0	4
Greene .....	15,395	29.4	52	3.2	50	7.9	66	18.3	40
Grundy.....	31,811	39.3	7	6.7	6	14.8	2	17.8	44
Hamilton .....	8,618	35.8	10	4.4	23	6.1	95	25.3	6
Hancock .....	21,811	31.3	38	3.4	45	9.4	35	18.4	37
Hardin.....	5,213	28.6	59	0.0	92	7.2	79	21.5	18
Henderson.....	8,183	32.9	18	4.3	24	9.3	36	19.3	29
Henry.....	52,345	24.4	81	1.7	71	8.4	56	14.2	77
Iroquois.....	31,138	33.1	17	2.5	61	8.0	63	22.5	10
Jackson .....	61,225	27.9	64	5.2	12	9.1	38	13.6	81
Jasper.....	10,726	19.3	100	1.0	84	7.8	68	10.5	98
Jefferson.....	37,358	30.4	45	3.6	40	8.7	47	18.1	41
Jersey.....	20,342	32.3	20	4.5	19	11.3	13	16.6	55
Jo Daviess.....	22,065	30.8	41	2.9	56	7.8	68	20.1	24
Johnson.....	11,199	29.6	50	0.0	92	9.1	38	20.5	22
Kane.....	307,950	30.1	47	4.5	19	10.6	21	15.1	73
Kankakee .....	96,629	39.8	5	6.7	6	11.5	11	21.6	17
Kendall .....	38,433	22.2	91	3.3	48	6.4	92	12.5	89
Knox .....	56,890	31.8	28	5.9	10	9.9	29	16.0	65
Lake .....	499,398	26.3	72	3.9	32	10.3	25	12.1	94
La Salle .....	107,568	33.9	12	5.1	13	10.8	18	17.9	43
Lawrence.....	16,474	29.8	49	0.6	91	10.5	23	18.8	33
Lee .....	34,376	33.4	14	4.0	29	11.8	9	17.5	46
Livingston .....	39,409	32.3	20	7.0	5	7.9	66	17.4	48
Logan .....	30,834	28.4	61	3.4	45	9.9	29	15.1	73
McDonough.....	35,415	21.8	94	0.9	86	8.0	63	13.0	85
McHenry .....	174,554	30.4	45	3.7	36	10.8	18	15.9	66
McLean.....	124,464	22.1	92	2.8	57	8.1	61	11.1	96
Macon.....	120,018	28.7	57	3.6	40	8.6	51	16.5	58

Table 4

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Macoupin.....	47,924	29.6	50	0.8	87	9.0	43	19.9	26
Madison.....	248,052	31.9	25	2.7	58	10.1	28	19.1	31
Marion.....	42,010	31.8	28	3.8	34	8.7	47	19.4	28
Marshall.....	12,973	22.6	89	3.2	50	5.0	100	14.4	76
Mason.....	16,605	31.4	35	2.5	61	7.2	79	21.7	15
Massac.....	14,726	25.2	77	3.5	42	9.1	38	12.5	89
Menard.....	11,226	28.2	62	6.6	8	5.5	99	16.1	63
Mercer.....	17,526	30.6	42	2.2	67	6.2	93	22.2	13
Monroe.....	21,745	28.1	63	3.7	36	8.4	56	15.9	66
Montgomery.....	30,924	26.2	73	1.6	75	7.7	72	16.9	54
Morgan.....	36,600	31.6	32	5.0	16	9.0	43	17.6	45
Moultrie.....	14,022	24.0	85	0.0	92	7.5	74	16.4	59
Ogle.....	45,608	32.1	23	6.4	9	7.1	83	18.6	34
Peoria.....	183,683	31.1	39	5.1	13	12.0	8	14.1	78
Perry.....	21,642	25.3	75	2.5	61	9.8	31	13.1	84
Piatt.....	15,647	25.3	75	0.0	92	6.9	86	18.4	37
Pike.....	17,694	27.7	66	0.8	87	6.2	93	20.7	20
Pope.....	4,408	13.4	102	0.0	92	2.9	102	10.5	98
Pulaski.....	7,734	39.0	8	3.3	48	12.6	5	23.2	9
Putnam.....	5,810	16.0	101	0.0	92	3.7	101	12.3	93
Randolph.....	34,565	33.3	16	0.7	89	8.7	47	23.9	7
Richland.....	16,981	21.2	97	1.4	79	7.0	84	12.8	87
Rock Island.....	152,337	26.6	70	4.1	27	10.6	21	12.0	95
St. Clair.....	263,910	45.1	3	5.9	10	13.5	4	25.7	5
Saline.....	27,038	27.4	67	2.6	59	11.3	13	13.5	82
Sangamon.....	177,319	30.9	40	5.1	13	10.3	25	15.6	70
Schuyler.....	7,568	31.7	31	0.0	92	9.8	31	21.8	14
Scott.....	5,669	23.2	87	4.1	27	5.6	98	13.5	82
Shelby.....	22,439	24.3	82	0.7	89	7.0	84	16.6	55
Stark.....	6,697	26.6	70	0.0	92	6.0	96	20.6	21
Stephenson.....	48,241	30.0	48	4.5	19	8.5	53	17.1	51
Tazewell.....	123,970	24.3	82	2.6	59	8.9	46	12.7	88
Union.....	17,696	32.3	20	4.3	24	7.2	79	20.9	19
Vermilion.....	89,477	31.6	32	3.1	52	12.4	6	16.1	63
Wabash.....	13,245	24.6	79	3.1	52	7.5	74	14.1	78
Warren.....	19,648	21.2	97	1.4	79	7.3	78	12.5	89
Washington.....	14,885	31.9	25	1.7	71	7.8	68	22.4	11
Wayne.....	17,544	20.3	99	3.5	42	7.5	74	9.4	101
White.....	16,962	27.1	69	1.4	79	7.4	77	18.4	37
Whiteside.....	60,788	30.5	44	4.5	19	9.6	33	16.4	59
Will.....	348,665	31.8	28	4.0	29	10.4	24	17.3	49
Williamson.....	57,654	31.9	25	1.7	71	11.6	10	18.6	34
Winnebago.....	251,711	33.4	14	7.7	4	8.7	47	17.0	52
Woodford.....	32,366	21.6	95	1.0	84	6.0	96	14.6	75
Indiana.....	5,497,852	31.1		4.3		10.2		16.6	
Adams.....	30,480	21.6	91	1.1	81	9.3	36	11.2	90
Allen.....	296,344	28.3	56	2.1	61	11.0	10	15.2	67
Bartholomew.....	63,408	29.7	42	4.6	20	10.2	21	14.9	70
Benton.....	9,515	25.1	75	1.7	71	7.6	77	15.9	58
Blackford.....	14,346	28.5	55	6.5	5	9.2	39	12.7	86
Boone.....	37,619	29.8	40	3.8	29	8.2	63	17.9	33
Brown.....	13,631	22.9	88	2.0	62	8.2	63	12.6	87
Carroll.....	18,739	27.8	61	0.0	89	9.1	44	18.7	25
Cass.....	38,647	27.4	62	2.8	46	9.1	44	15.5	61
Clark.....	87,604	31.9	26	5.6	13	10.2	21	16.1	55
Clay.....	24,546	28.6	52	0.4	88	11.8	6	16.4	52
Clinton.....	30,770	29.0	48	2.7	49	8.2	63	18.2	30
Crawford.....	9,968	35.1	12	2.0	62	9.5	31	23.7	7

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Daviess.....	27,561	29.8	40	1.4	78	10.8	14	17.6	38
Dearborn.....	37,823	31.0	35	5.7	11	8.3	62	17.0	44
Decatur.....	23,435	28.2	58	1.5	76	8.6	58	18.1	31
De Kalb.....	34,443	28.6	52	2.3	54	8.6	58	17.7	36
Delaware.....	120,242	26.3	69	1.6	73	9.1	44	15.5	61
Dubois.....	35,991	24.6	79	3.5	35	8.2	63	12.9	84
Elkhart.....	151,835	29.9	39	3.0	40	8.2	63	18.6	27
Fayette.....	26,492	22.8	89	0.8	87	7.8	70	14.2	76
Floyd.....	63,291	29.2	47	4.3	24	9.9	24	15.1	68
Fountain.....	18,018	28.9	49	2.4	52	10.9	12	15.6	60
Franklin.....	19,528	26.5	67	4.6	20	7.8	70	14.1	77
Fulton.....	18,790	32.7	24	5.1	16	6.6	89	21.0	10
Gibson.....	32,142	24.1	82	1.6	73	8.1	68	14.5	73
Grant.....	75,145	33.4	18	6.3	7	9.9	24	17.3	43
Greene.....	30,232	34.8	13	4.0	28	7.7	74	23.2	8
Hamilton.....	101,459	20.4	92	2.0	62	7.2	84	11.2	90
Hancock.....	44,770	24.9	78	2.0	62	8.7	54	14.3	75
Harrison.....	29,286	34.6	14	6.0	9	8.5	60	20.1	19
Hendricks.....	74,079	25.3	73	1.8	69	9.1	44	14.4	74
Henry.....	48,668	33.1	21	5.7	11	9.8	28	17.6	38
Howard.....	82,233	29.5	43	2.8	46	11.3	8	15.4	65
Huntington.....	35,020	25.1	75	2.2	59	8.9	51	14.0	79
Jackson.....	37,453	26.5	67	0.9	86	8.7	54	16.9	47
Jasper.....	25,099	33.0	22	2.4	52	9.8	28	20.8	12
Jay.....	21,544	33.4	18	3.3	36	5.3	91	24.7	5
Jefferson.....	29,466	33.6	17	4.9	18	11.2	9	17.5	41
Jennings.....	23,248	29.4	45	2.9	44	9.5	31	17.0	44
Johnson.....	85,760	24.6	79	3.6	33	7.7	74	13.3	82
Knox.....	40,377	24.0	83	3.3	36	9.3	36	11.5	88
Kosciusko.....	63,907	31.4	30	2.3	54	9.5	31	19.5	20
Lagrange.....	28,645	25.1	75	0.0	89	9.0	50	16.1	55
Lake.....	479,217	38.0	5	4.1	27	13.6	1	20.3	15
La Porte.....	106,662	33.7	15	1.9	66	13.1	3	18.7	25
Lawrence.....	42,428	31.4	30	2.8	46	9.9	24	18.6	27
Madison.....	131,344	33.2	20	6.5	5	9.2	39	17.5	41
Marion.....	788,000	39.9	2	10.1	1	12.2	5	17.6	38
Marshall.....	41,481	25.2	74	1.0	84	7.8	70	16.5	51
Martin.....	10,391	23.4	86	3.8	29	5.6	90	14.1	77
Miami.....	37,308	30.6	36	2.3	54	10.6	16	17.7	36
Monroe.....	106,658	22.6	90	2.2	59	8.8	53	11.5	88
Montgomery.....	34,505	26.6	65	1.3	80	9.8	28	15.5	61
Morgan.....	54,849	28.8	50	3.0	40	8.0	69	17.8	35
Newton.....	13,618	32.9	23	0.0	89	6.9	87	26.0	4
Noble.....	37,232	31.6	29	1.9	66	9.4	34	20.3	15
Ohio.....	5,222	23.2	87	3.0	40	5.2	92	14.9	70
Orange.....	18,457	26.6	65	3.8	29	7.4	80	15.4	65
Owen.....	16,763	28.6	52	1.8	69	8.7	54	18.1	31
Parke.....	15,552	38.7	3	2.3	54	6.7	88	29.7	2
Perry.....	19,111	31.7	28	0.0	89	10.8	14	20.8	12
Pike.....	12,705	33.7	15	2.5	50	10.4	19	20.9	11
Porter.....	126,239	28.7	51	2.3	54	10.6	16	15.9	58
Posey.....	25,900	24.0	83	1.6	73	7.7	74	14.6	72
Pulaski.....	12,732	48.0	1	3.7	32	9.1	44	35.2	1
Putnam.....	30,176	28.3	56	6.6	4	8.9	51	12.8	85
Randolph.....	27,593	27.4	62	1.1	81	7.4	80	18.9	24
Ripley.....	24,556	23.8	85	1.4	78	9.3	36	13.2	83
Rush.....	18,300	35.3	10	8.1	2	9.2	39	17.9	33
St. Joseph.....	244,364	32.7	24	5.2	15	11.0	10	16.6	50
Scott.....	20,737	35.3	10	6.0	9	12.4	4	16.9	47
Shelby.....	39,995	31.1	33	4.6	20	11.5	7	15.0	69

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Spencer.....	19,465	27.2	64	3.0	40	7.2	84	17.0	44
Starke.....	22,238	38.5	4	1.7	71	10.4	19	26.4	3
Steuben.....	26,576	36.2	7	4.2	26	7.3	83	24.7	5
Sullivan.....	19,357	29.5	43	4.5	23	8.7	54	16.3	53
Switzerland.....	7,645	37.8	6	4.3	24	13.2	2	20.2	18
Tippecanoe.....	128,439	24.3	81	3.2	39	10.9	12	10.3	92
Tipton.....	16,112	30.5	37	1.1	81	9.2	39	20.3	15
Union.....	6,958	35.8	8	5.3	14	9.4	34	21.1	9
Vanderburgh.....	165,211	30.1	38	6.1	8	10.5	18	13.4	81
Vermillion.....	16,950	31.3	32	1.0	84	9.9	24	20.5	14
Vigo.....	107,150	29.4	45	3.3	36	10.0	23	16.1	55
Wabash.....	34,922	28.0	59	5.1	16	7.5	78	15.5	61
Warren.....	8,238	25.8	71	2.5	50	7.0	86	16.3	53
Warrick.....	44,249	28.0	59	1.9	66	7.8	70	18.3	29
Washington.....	23,189	31.1	33	4.7	19	7.5	78	19.0	21
Wayne.....	71,975	26.0	70	2.9	44	9.1	44	14.0	79
Wells.....	25,258	25.6	72	1.5	76	7.4	80	16.7	49
White.....	23,110	35.5	9	8.1	2	8.4	61	19.0	21
Whitley.....	27,111	31.8	27	3.6	33	9.2	39	19.0	21
Iowa.....	2,775,244	26.6		4.0		8.2		14.4	
Adair.....	8,543	29.8	24	5.1	20	4.8	95	19.9	15
Adams.....	4,995	22.9	79	0.0	94	6.3	74	16.6	40
Allamakee.....	14,012	47.0	1	5.6	13	10.1	7	31.3	2
Appanoose.....	13,824	39.9	6	3.8	38	11.0	3	25.1	5
Audubon.....	7,520	16.7	97	0.0	94	6.7	68	10.1	92
Benton.....	22,314	28.6	33	5.7	12	6.1	79	16.8	38
Black Hawk.....	125,148	24.7	69	5.1	20	8.9	29	10.8	89
Boone.....	25,135	22.3	83	2.5	62	7.3	57	12.5	78
Bremer.....	23,090	22.7	81	2.4	63	7.1	60	13.2	72
Buchanan.....	20,935	27.5	40	6.9	7	6.1	79	14.5	58
Buena Vista.....	20,058	27.0	45	5.3	18	9.5	17	12.2	80
Butler.....	15,965	26.0	55	4.0	34	5.4	91	16.6	40
Calhoun.....	11,665	33.9	11	4.4	29	7.1	60	22.4	11
Carroll.....	21,510	25.2	63	4.6	26	7.0	64	13.6	69
Cass.....	15,410	28.5	34	2.6	58	9.2	23	16.6	40
Cedar.....	17,549	21.2	86	0.0	94	6.0	82	15.2	51
Cerro Gordo.....	46,933	24.7	69	6.8	8	8.1	45	9.8	94
Cherokee.....	14,413	29.7	26	4.7	24	9.9	9	15.2	51
Chickasaw.....	13,685	27.8	39	6.4	10	8.3	39	13.2	72
Clarke.....	8,198	26.6	50	1.9	74	5.3	92	19.4	18
Clay.....	17,844	21.4	85	4.5	27	9.1	24	7.8	98
Clayton.....	19,305	34.4	9	2.4	63	10.2	6	21.9	12
Clinton.....	51,469	30.4	22	2.4	63	8.9	29	19.1	21
Crawford.....	17,066	26.8	46	2.8	54	7.9	50	16.1	44
Dallas.....	29,243	26.8	46	3.4	46	6.3	74	17.1	34
Davis.....	8,459	29.5	29	3.1	50	11.9	2	14.5	58
Decatur.....	8,523	19.2	93	3.0	52	6.2	77	10.0	93
Delaware.....	18,157	26.0	55	5.0	22	8.8	33	12.2	80
Des Moines.....	42,693	32.1	16	3.9	35	10.4	4	17.8	28
Dickinson.....	14,831	27.3	43	2.8	54	7.6	53	16.9	37
Dubuque.....	86,667	25.1	64	3.5	43	9.6	16	12.0	82
Emmet.....	11,668	25.3	62	5.3	18	8.2	41	11.7	85
Fayette.....	22,359	29.7	26	3.4	46	5.8	89	20.4	13
Floyd.....	17,365	26.7	49	3.5	43	9.7	13	13.5	71
Franklin.....	11,630	25.1	64	0.4	92	7.7	52	17.0	36
Fremont.....	8,372	36.9	7	0.0	94	9.8	11	27.1	4
Greene.....	10,388	27.1	44	0.9	89	5.9	85	20.3	14
Grundy.....	12,375	14.1	99	2.0	72	3.8	98	8.3	97



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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Guthrie.....	11,074	19.4	92	2.8	54	6.4	70	10.2	91
Hamilton .....	16,222	29.8	24	2.8	54	8.8	33	18.2	26
Hancock .....	12,699	24.9	68	0.0	94	7.3	57	17.6	31
Hardin.....	19,623	23.8	74	5.6	13	7.0	64	11.2	88
Harrison.....	14,813	26.4	52	1.7	77	8.0	47	16.7	39
Henry.....	19,000	25.6	60	2.0	72	7.8	51	15.8	47
Howard.....	9,980	32.7	14	12.2	1	5.9	85	14.6	57
Humboldt.....	10,947	24.1	72	1.3	83	7.4	55	15.4	50
Ida .....	8,465	23.3	77	0.6	91	8.3	39	14.4	60
Iowa.....	14,716	18.3	95	0.8	90	6.9	66	10.6	90
Jackson .....	20,290	41.7	3	7.6	2	9.8	11	24.2	7
Jasper.....	34,580	28.1	37	2.1	71	8.9	29	17.2	33
Jefferson.....	16,119	24.5	71	1.7	77	8.2	41	14.7	56
Johnson.....	92,644	20.3	89	2.9	53	8.2	41	9.2	95
Jones.....	19,442	25.9	57	3.9	35	6.4	70	15.7	49
Keokuk .....	11,803	34.3	10	4.8	23	5.0	93	24.4	6
Kossuth .....	19,032	26.6	50	4.2	32	6.4	70	16.1	44
Lee .....	39,247	31.6	17	4.4	29	9.5	17	17.8	28
Linn .....	166,323	23.7	75	3.6	40	8.5	35	11.6	87
Louisa.....	11,541	28.8	32	5.4	17	6.0	82	17.4	32
Lucas.....	9,254	36.2	8	3.6	40	8.5	35	24.2	7
Lyon.....	12,053	28.4	35	7.6	2	9.0	25	11.8	84
Madison.....	12,317	22.9	79	1.9	74	7.1	60	13.9	65
Mahaska.....	21,494	26.4	52	1.7	77	7.6	53	17.1	34
Marion.....	29,496	22.2	84	1.6	80	6.3	74	14.2	62
Marshall.....	38,772	29.6	28	4.3	31	9.0	25	16.3	43
Mills .....	13,080	30.2	23	2.4	63	8.0	47	19.9	15
Mitchell.....	11,065	26.2	54	2.6	58	8.5	35	15.1	53
Monona .....	10,214	44.3	2	0.4	92	12.0	1	31.9	1
Monroe.....	8,224	40.1	5	7.0	5	10.3	5	22.8	9
Montgomery .....	12,200	28.3	36	3.4	46	6.1	79	18.9	22
Muscatine.....	39,788	31.2	18	2.3	68	9.5	17	19.4	18
O'Brien.....	15,609	22.6	82	2.2	70	7.2	59	13.1	74
Osceola .....	7,432	24.0	73	1.4	82	4.2	97	18.4	23
Page.....	17,130	25.8	58	7.0	5	6.4	70	12.4	79
Palo Alto.....	10,997	25.0	67	2.3	68	9.7	13	13.0	75
Plymouth .....	23,276	25.7	59	2.6	58	9.4	21	13.8	67
Pocahontas .....	9,871	41.3	4	4.2	32	9.0	25	28.1	3
Polk .....	318,178	30.5	20	6.1	11	9.3	22	15.1	53
Pottawattamie.....	82,722	29.5	29	3.3	49	8.1	45	18.2	26
Poweshiek.....	18,778	23.7	75	1.2	84	8.9	29	13.6	69
Ringgold.....	5,484	21.0	88	3.1	50	6.0	82	11.9	83
Sac .....	12,497	25.5	61	1.5	81	6.2	77	17.8	28
Scott .....	151,484	26.8	46	3.9	35	9.9	9	13.0	75
Shelby .....	13,472	27.4	42	4.5	27	7.1	60	15.8	47
Sioux.....	29,802	17.5	96	1.0	88	4.8	95	11.7	85
Story.....	73,461	16.5	98	3.7	39	5.7	90	7.1	99
Tama.....	17,715	29.1	31	2.4	63	7.4	55	19.3	20
Taylor .....	7,311	33.0	12	1.1	87	9.0	25	22.8	9
Union.....	12,857	27.5	40	6.8	8	5.9	85	14.8	55
Van Buren .....	7,732	25.1	64	0.0	94	6.8	67	18.3	25
Wapello.....	36,453	30.5	20	4.7	24	10.0	8	15.9	46
Warren.....	36,287	20.1	90	1.2	84	5.0	93	13.9	65
Washington .....	19,465	23.1	78	1.8	76	8.4	38	13.0	75
Wayne.....	7,268	18.6	94	3.5	43	6.7	68	8.4	96
Webster.....	40,878	32.2	15	5.6	13	8.2	41	18.4	23
Winnebago.....	12,200	20.1	90	2.6	58	3.8	98	13.7	68
Winneshiek.....	20,905	27.9	38	5.5	16	8.0	47	14.4	60
Woodbury.....	97,457	30.9	19	7.2	4	9.7	13	14.0	63
Worth.....	8,134	21.1	87	1.2	84	5.9	85	14.0	63

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Wright .....	14,552	32.8	13	3.6	40	9.5	17	19.6	17
Kansas.....	2,458,327	29.7		4.2		8.7		16.7	
Allen .....	15,075	38.7	21	8.0	12	7.8	57	22.9	33
Anderson .....	7,921	31.6	49	4.2	47	5.4	94	22.0	40
Atchison .....	17,169	34.3	37	2.8	66	8.0	48	23.5	27
Barber.....	6,224	26.2	79	1.4	79	6.4	81	18.4	55
Barton.....	30,760	27.6	74	3.2	55	8.4	41	16.0	74
Bourbon.....	15,285	27.8	72	1.7	76	7.5	59	18.6	53
Brown.....	11,178	39.5	18	8.7	11	5.6	90	25.2	22
Butler.....	49,188	33.4	42	4.0	48	6.5	80	22.8	36
Chase.....	3,060	19.5	103	0.0	84	6.7	79	12.8	95
Chautauqua.....	4,531	57.2	1	15.8	2	10.2	18	31.2	7
Cherokee.....	21,613	39.2	19	6.9	16	8.1	46	24.2	25
Cheyenne.....	3,383	56.2	2	10.0	8	4.5	98	41.7	1
Clark.....	2,485	38.4	23	5.7	29	5.6	90	27.1	17
Clay.....	9,289	21.4	98	0.9	82	6.9	73	13.6	92
Cloud.....	11,315	24.3	89	3.6	51	6.8	76	13.9	89
Coffey.....	8,567	32.5	46	2.1	74	7.1	66	23.2	29
Comanche.....	2,390	29.8	65	16.5	1	13.3	7	0.0	105
Cowley.....	36,847	30.8	56	3.2	55	11.0	14	16.6	70
Crawford.....	36,236	34.3	37	4.4	44	9.1	33	20.8	44
Decatur.....	4,161	30.5	61	3.2	55	8.0	48	19.3	49
Dickinson.....	19,068	25.8	82	0.8	83	9.3	27	15.7	76
Doniphan.....	8,354	31.5	50	2.8	66	14.0	5	14.7	83
Douglas.....	78,626	21.6	95	3.1	60	8.2	43	10.3	102
Edwards.....	3,867	39.6	17	3.8	49	8.8	35	27.0	18
Elk.....	3,437	35.7	33	0.0	84	7.0	70	28.7	15
Ellis.....	26,639	28.3	71	4.6	41	12.1	11	11.6	96
Ellsworth.....	6,612	33.4	42	7.8	13	12.2	10	13.4	93
Finney.....	31,967	31.1	53	4.5	42	7.1	66	19.6	47
Ford.....	27,322	37.5	28	4.7	40	9.3	27	23.5	27
Franklin.....	21,860	29.6	67	2.9	62	7.8	57	18.9	51
Geary.....	30,802	49.3	4	7.1	14	15.9	3	26.3	19
Gove.....	3,346	21.7	94	0.0	84	3.8	104	17.9	57
Graham.....	3,746	31.8	48	2.7	68	5.9	87	23.2	29
Grant.....	7,059	41.0	15	8.9	10	4.0	102	28.1	16
Gray.....	5,331	30.6	58	0.0	84	8.0	48	22.6	38
Greeley.....	1,803	36.3	31	0.0	84	11.6	13	24.7	24
Greenwood.....	8,074	35.6	34	5.9	24	7.1	66	22.6	38
Hamilton.....	2,483	33.5	41	0.0	84	10.6	17	22.9	33
Harper.....	7,293	38.7	21	0.0	84	9.1	33	29.6	14
Harvey.....	30,985	25.2	86	2.9	62	7.3	63	15.0	80
Haskell.....	3,900	47.0	6	0.0	84	16.3	1	30.8	10
Hodgeman.....	2,209	42.5	10	2.3	72	4.4	100	35.8	2
Jackson.....	11,548	42.9	9	3.0	61	8.1	46	31.8	6
Jefferson.....	15,596	40.1	16	6.5	21	8.0	48	25.6	21
Jewell.....	4,534	23.4	91	0.0	84	5.2	96	18.2	56
Johnson.....	335,699	21.5	97	2.9	62	7.0	70	11.5	97
Kearny.....	3,951	49.3	4	0.0	84	16.1	2	33.3	3
Kingman.....	8,433	27.8	72	0.0	84	10.0	21	17.7	58
Kiowa.....	3,795	26.1	81	3.7	50	7.4	60	15.0	80
Labette.....	24,223	29.1	68	5.3	35	9.2	29	14.7	83
Lane.....	2,406	37.7	27	6.5	21	8.4	41	22.9	33
Leavenworth.....	62,221	31.5	50	6.9	16	9.9	23	14.7	83
Lincoln.....	3,753	46.3	7	7.0	15	9.4	26	30.0	13
Linn.....	8,203	42.2	11	5.9	24	6.0	86	30.3	11
Logan.....	3,204	55.8	3	15.1	3	8.7	36	32.0	5
Lyon.....	34,950	25.6	83	3.6	51	8.0	48	14.0	87

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
McPherson .....	27,485	21.1	99	1.7	76	7.9	55	11.5	97
Marion .....	13,039	30.2	64	4.9	39	5.3	95	20.0	45
Marshall.....	12,011	27.6	74	2.7	68	7.4	60	17.6	59
Meade .....	4,362	33.0	45	3.4	54	15.0	4	14.7	83
Miami.....	22,848	38.3	24	5.8	27	6.4	81	26.2	20
Mitchell.....	7,434	30.6	58	5.8	27	8.5	40	16.3	72
Montgomery .....	39,509	30.6	58	5.5	33	8.2	43	16.9	66
Morris .....	6,182	26.7	78	1.4	79	8.0	48	17.3	64
Morton.....	3,513	38.1	26	0.0	84	5.7	88	32.4	4
Nemaha.....	10,598	31.1	53	4.5	42	5.5	92	21.2	41
Neosho.....	17,530	33.1	44	5.7	29	9.9	23	17.5	60
Ness.....	4,222	33.6	40	5.4	34	5.2	96	23.0	31
Norton.....	6,130	26.8	77	2.5	70	3.4	105	20.9	43
Osage.....	15,197	25.3	85	2.9	62	8.6	38	13.7	91
Osborne.....	5,094	19.8	102	0.0	84	9.2	29	10.6	100
Ottawa.....	5,708	41.2	14	13.4	4	8.6	38	19.3	49
Pawnee .....	7,677	28.8	69	5.1	37	4.2	101	19.5	48
Phillips.....	6,703	27.5	76	2.5	70	8.2	43	16.7	68
Pottawatomie.....	15,826	28.4	70	5.9	24	6.9	73	15.7	76
Pratt.....	10,109	22.6	93	0.0	84	6.1	84	16.5	71
Rawlins.....	3,549	21.6	95	1.3	81	14.0	5	6.2	104
Reno.....	63,317	29.7	66	5.7	29	7.9	55	16.0	74
Republic .....	6,693	31.5	50	6.8	18	10.8	16	14.0	87
Rice .....	10,909	36.9	30	6.7	19	10.2	18	20.0	45
Riley .....	66,816	18.6	105	5.0	38	7.2	64	6.4	103
Rooks .....	6,406	37.2	29	0.0	84	6.1	84	31.1	8
Rush.....	4,088	18.7	104	0.0	84	5.5	92	13.2	94
Russell.....	8,244	20.1	100	0.0	84	9.5	25	10.6	100
Saline .....	49,317	30.7	57	6.7	19	7.2	64	16.7	68
Scott.....	5,502	23.7	90	0.0	84	6.9	73	16.8	67
Sedgwick.....	395,563	30.4	63	4.3	46	10.0	21	16.1	73
Seward.....	18,849	41.8	12	11.9	5	6.8	76	23.0	31
Shawnee .....	159,185	30.5	61	5.6	32	10.1	20	14.8	82
Sheridan.....	3,174	24.5	88	0.0	84	7.1	66	17.3	64
Sherman.....	7,123	45.4	8	10.0	8	4.5	98	30.9	9
Smith.....	5,269	36.0	32	11.1	6	7.4	60	17.5	60
Stafford.....	5,562	35.1	36	5.3	35	10.9	15	18.8	52
Stanton.....	2,356	39.0	20	0.0	84	8.7	36	30.3	11
Stevens .....	4,997	35.6	34	0.0	84	12.9	8	22.7	37
Sumner.....	25,651	30.9	55	3.2	55	9.2	29	18.5	54
Thomas .....	8,420	20.0	101	2.2	73	6.8	76	11.0	99
Trego.....	3,832	32.4	47	6.2	23	12.4	9	13.9	89
Wabaunsee.....	6,664	25.1	87	3.2	55	6.2	83	15.7	76
Wallace.....	1,844	25.5	84	0.0	84	8.0	48	17.5	60
Washington .....	7,266	23.4	91	1.9	75	5.7	88	15.7	76
Wichita.....	2,787	38.3	24	10.2	7	3.9	103	24.2	25
Wilson.....	10,766	33.9	39	3.6	51	9.2	29	21.0	42
Woodson.....	4,281	26.2	79	1.7	76	7.0	70	17.4	63
Wyandotte.....	164,743	41.4	13	4.4	44	11.9	12	25.1	23
Kentucky.....	3,683,114	35.3		5.2		10.5		19.6	
Adair.....	15,454	32.4	94	1.0	112	8.9	78	22.4	64
Allen.....	14,707	37.5	60	4.5	64	10.4	49	22.6	62
Anderson.....	14,194	28.4	114	2.9	85	7.2	108	18.2	97
Ballard.....	8,021	40.3	41	2.0	100	10.5	45	27.9	24
Barren.....	33,925	33.5	84	0.6	113	8.8	81	24.1	54
Bath.....	9,759	43.8	23	4.6	58	12.6	12	26.5	32
Bell.....	32,245	43.3	27	3.7	75	13.2	6	26.4	33
Boone.....	54,771	27.4	116	2.6	94	8.6	84	16.2	110

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Bourbon.....	19,302	43.5	25	3.8	71	13.1	7	26.7	30
Boyd.....	51,867	27.7	115	5.9	37	9.1	70	12.7	119
Boyle.....	25,453	37.6	57	6.0	35	12.7	11	18.9	92
Bracken.....	7,733	42.7	28	5.8	41	9.5	63	27.4	25
Breathitt.....	15,972	49.3	11	7.2	18	15.9	1	26.2	35
Breckinridge.....	16,396	33.1	87	2.3	97	10.7	43	20.0	82
Bullitt.....	46,466	26.5	117	1.4	109	8.9	78	16.2	110
Butler.....	11,179	38.9	50	0.0	114	7.1	109	31.8	12
Caldwell.....	13,353	30.7	102	1.7	104	12.1	17	16.9	104
Calloway.....	29,998	34.3	78	6.4	28	8.0	94	19.9	83
Campbell.....	83,092	32.3	95	7.1	19	11.6	24	13.6	118
Carlisle.....	5,317	35.8	67	6.9	22	8.3	91	20.5	77
Carroll.....	9,230	43.8	23	6.9	22	9.7	58	27.2	26
Carter.....	24,518	33.1	87	3.9	69	8.6	84	20.6	76
Casey.....	14,435	40.9	37	5.2	47	12.1	17	23.6	58
Christian.....	68,706	39.7	46	7.8	12	10.5	45	21.4	73
Clark.....	29,165	36.8	63	5.6	43	9.4	64	21.9	67
Clay.....	22,154	51.8	5	6.7	25	11.5	26	33.6	8
Clinton.....	9,320	50.9	7	17.7	1	6.2	116	27.0	28
Crittenden.....	9,164	47.4	15	4.1	67	7.3	105	35.9	5
Cumberland.....	6,960	48.4	14	2.0	100	10.8	40	35.6	6
Daviess.....	87,081	32.5	93	4.6	58	11.1	31	16.7	105
Edmonson.....	10,627	41.0	36	6.1	33	9.7	58	25.3	40
Elliott.....	6,490	35.0	72	9.6	4	5.8	117	19.6	88
Estill.....	14,679	38.8	51	1.2	110	9.6	61	28.0	23
Fayette.....	219,928	33.8	82	7.6	16	11.0	33	15.2	114
Fleming.....	12,272	40.8	38	5.0	49	10.2	54	25.6	37
Floyd.....	45,009	41.7	33	5.5	44	11.8	22	24.3	51
Franklin.....	43,457	28.9	110	4.3	65	8.0	94	16.6	107
Fulton.....	8,396	53.6	2	5.9	37	7.8	98	39.9	1
Gallatin.....	5,173	41.7	33	3.7	75	10.9	36	27.0	28
Garrard.....	11,515	29.6	107	2.7	90	9.1	70	17.8	99
Grant.....	15,089	37.9	55	5.9	37	11.9	20	20.1	80
Graves.....	33,442	37.6	57	5.0	49	9.3	65	23.4	60
Grayson.....	20,897	29.7	106	4.3	65	7.8	98	17.6	100
Green.....	10,518	21.9	120	0.0	114	4.4	120	17.4	101
Greenup.....	36,960	29.3	108	2.9	85	9.1	70	17.3	102
Hancock.....	7,915	30.8	101	6.9	22	8.5	86	15.4	113
Hardin.....	91,739	35.2	69	5.0	49	11.0	33	19.2	90
Harlan.....	38,148	43.4	26	5.8	41	12.6	12	25.0	43
Harrison.....	16,111	42.2	31	4.9	55	12.1	17	25.2	42
Hart.....	15,104	36.0	66	3.0	82	9.0	74	24.0	56
Henderson.....	42,765	33.1	87	5.0	49	10.1	55	17.9	98
Henry.....	12,841	48.7	12	10.7	2	8.2	93	29.8	17
Hickman.....	5,692	40.3	41	8.0	10	10.9	36	21.4	73
Hopkins.....	46,212	34.6	76	3.2	80	9.0	74	22.4	64
Jackson.....	11,966	41.1	35	3.4	79	7.6	101	30.1	16
Jefferson.....	668,875	33.9	80	7.1	19	11.9	20	15.0	115
Jessamine.....	29,478	33.0	90	2.0	100	11.1	31	19.9	83
Johnson.....	23,912	32.3	95	2.3	97	11.2	28	18.8	94
Kenton.....	140,165	34.7	75	8.0	10	12.4	15	14.3	117
Knott.....	18,080	35.1	71	1.2	110	8.3	91	25.6	37
Knox.....	29,767	33.9	80	3.2	80	8.9	78	21.7	70
Larue.....	11,737	28.7	112	2.4	96	8.0	94	18.3	96
Laurel.....	42,624	32.1	97	2.7	90	7.7	100	21.8	69
Lawrence.....	14,036	39.4	47	6.4	28	8.4	88	24.6	47
Lee.....	7,608	37.8	56	5.9	37	5.1	118	26.7	30
Leslie.....	13,897	53.3	3	4.6	58	15.6	2	33.1	11
Letcher.....	27,741	39.1	48	2.8	88	13.7	5	22.6	62
Lewis.....	13,290	42.7	28	7.4	17	10.8	40	24.6	47

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Lincoln .....	19,874	42.6	30	6.5	26	12.5	14	23.6	58
Livingston .....	9,130	33.5	84	0.0	114	9.2	68	24.3	51
Logan .....	24,453	37.0	62	6.0	35	10.7	43	20.2	79
Lyon .....	6,552	39.0	49	1.5	107	12.8	8	24.7	46
McCracken .....	62,410	37.6	57	3.8	71	10.3	51	23.4	60
McCreary .....	15,761	35.2	69	0.0	114	8.8	81	26.4	33
McLean .....	9,706	28.6	113	1.7	104	7.6	101	19.3	89
Madison .....	56,133	30.3	104	5.1	48	9.1	70	16.1	112
Magoffin .....	13,373	49.7	10	4.7	57	7.3	105	37.6	3
Marion .....	16,869	44.2	22	10.0	3	9.3	65	24.9	45
Marshall .....	26,725	34.6	76	2.1	99	8.4	88	24.1	54
Martin .....	13,003	44.9	21	4.6	58	9.8	57	30.5	15
Mason .....	16,704	40.7	39	8.5	6	11.0	33	21.2	75
Meade .....	23,680	35.0	72	5.0	49	11.2	28	18.9	92
Menifee .....	5,088	50.5	9	7.7	14	11.4	27	31.4	14
Mercer .....	19,080	41.8	32	3.8	71	10.9	36	27.1	27
Metcalfe .....	9,034	46.3	16	7.7	14	10.5	45	28.1	22
Monroe .....	11,597	51.4	6	8.3	8	14.8	4	28.3	20
Montgomery .....	19,680	37.2	61	6.2	32	9.3	65	21.6	71
Morgan .....	11,772	36.5	64	3.0	82	7.5	103	25.9	36
Muhlenberg .....	31,706	33.8	82	3.0	82	10.4	49	20.3	78
Nelson .....	29,341	38.1	53	3.9	69	12.8	8	21.5	72
Nicholas .....	6,807	24.5	119	1.6	106	6.6	112	16.4	109
Ohio .....	21,375	31.3	98	1.9	103	7.3	105	22.2	66
Oldham .....	31,660	29.0	109	2.5	95	10.0	56	16.5	108
Owen .....	9,015	36.1	65	0.0	114	11.2	28	25.0	43
Owsley .....	5,204	45.8	18	4.6	58	4.7	119	36.6	4
Pendleton .....	11,708	39.8	44	8.3	8	7.0	110	24.5	49
Perry .....	31,186	45.0	20	4.8	56	8.4	88	31.8	12
Pike .....	75,062	38.1	53	2.7	90	11.8	22	23.7	57
Powell .....	11,577	30.7	102	0.0	114	8.8	81	21.9	67
Pulaski .....	48,952	33.0	90	2.9	85	10.3	51	19.8	85
Robertson .....	2,145	56.1	1	7.1	19	15.4	3	33.5	9
Rockcastle .....	14,723	38.5	52	2.8	88	10.3	51	25.3	40
Rowan .....	20,050	30.9	99	6.3	31	12.2	16	12.4	120
Russell .....	14,489	52.7	4	7.8	12	10.8	40	34.1	7
Scott .....	23,236	29.8	105	6.1	33	9.2	68	14.5	116
Shelby .....	24,250	34.2	79	5.3	46	9.0	74	19.8	85
Simpson .....	15,123	40.0	43	5.5	44	9.0	74	25.4	39
Spencer .....	6,589	46.1	17	6.4	28	6.4	114	33.4	10
Taylor .....	21,127	30.9	99	3.6	77	10.5	45	16.7	105
Todd .....	10,976	50.9	7	4.6	58	7.4	104	38.8	2
Trigg .....	10,235	34.8	74	4.1	67	6.5	113	24.2	53
Trimble .....	6,094	26.1	118	0.0	114	6.4	114	19.7	87
Union .....	16,866	35.3	68	3.5	78	12.8	8	19.0	91
Warren .....	77,359	33.3	86	5.0	49	10.9	36	17.3	102
Washington .....	10,405	45.6	19	6.5	26	9.6	61	29.5	18
Wayne .....	17,405	39.8	44	8.4	7	6.9	111	24.5	49
Webster .....	14,263	28.9	110	1.5	107	8.5	86	18.8	94
Whitley .....	33,544	40.4	40	3.8	71	8.0	94	28.6	19
Wolfe .....	6,596	48.6	13	8.8	5	11.6	24	28.3	20
Woodford .....	19,330	32.6	92	2.7	90	9.7	58	20.1	80
Louisiana .....	4,302,944	40.8		4.9		12.3		23.7	
Acadia .....	57,297	38.5	35	2.0	54	14.9	8	21.7	45
Allen .....	21,487	42.1	23	5.8	10	15.4	3	21.0	50
Ascension .....	58,109	36.0	43	2.2	53	11.2	35	22.5	39
Assumption .....	23,141	35.3	46	1.4	58	7.8	62	26.1	25
Avoyelles .....	40,332	39.6	29	2.9	45	12.0	27	24.7	30

Table 4

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Beauregard .....	30,706	38.1	37	4.7	18	10.8	43	22.5	39
Bienville .....	16,299	50.6	8	4.2	25	12.8	16	33.5	5
Bossier .....	87,506	34.2	56	4.2	25	9.7	57	20.3	52
Caddo .....	254,362	46.1	15	8.3	3	11.6	31	26.2	24
Calcasieu .....	169,421	35.9	44	4.8	16	11.1	39	20.0	54
Caldwell .....	10,189	34.7	52	0.0	63	6.2	64	28.6	15
Cameron .....	9,547	39.0	33	4.0	31	11.2	35	23.8	35
Catahoula .....	11,573	46.4	13	3.3	43	12.5	21	30.6	10
Claiborne .....	17,794	41.2	26	5.3	12	10.5	50	25.4	29
Concordia .....	21,783	34.4	55	3.7	37	9.2	58	21.4	47
De Soto .....	26,143	44.7	17	6.4	9	12.3	22	25.9	27
East Baton Rouge .....	384,727	33.2	59	4.3	22	10.7	45	18.1	57
East Carroll .....	10,162	53.3	4	13.9	1	11.5	33	27.9	17
East Feliciana .....	19,536	50.1	9	4.5	19	13.1	15	32.5	8
Evangeline .....	34,039	38.2	36	3.8	35	12.2	23	22.2	42
Franklin .....	23,065	36.4	41	1.4	58	11.7	30	23.2	37
Grant .....	17,649	41.4	25	3.4	40	10.9	42	27.1	22
Iberia .....	69,437	37.7	39	3.4	40	12.2	23	22.2	42
Iberville .....	31,889	39.2	32	3.3	43	17.8	1	18.1	57
Jackson .....	16,320	29.9	63	1.5	57	9.9	56	18.5	56
Jefferson .....	456,516	34.9	50	3.9	33	11.8	29	19.2	55
Jefferson Davis .....	31,649	34.9	50	2.9	45	11.6	31	20.3	52
Lafayette .....	167,946	35.2	47	5.1	15	13.2	12	16.8	61
Lafourche .....	86,996	38.1	37	3.8	35	10.3	53	24.1	32
La Salle .....	14,587	40.2	28	1.9	55	12.1	25	26.3	23
Lincoln .....	42,146	29.0	64	2.7	48	10.5	50	15.8	63
Livingston .....	70,545	37.7	39	2.4	50	10.6	48	24.6	31
Madison .....	13,304	56.5	3	8.3	3	15.4	3	32.8	7
Morehouse .....	33,061	35.1	48	3.5	39	10.8	43	20.8	51
Natchitoches .....	37,841	50.7	7	5.2	14	15.3	5	30.2	13
Orleans .....	517,433	62.3	1	9.9	2	17.3	2	35.1	3
Ouachita .....	143,572	31.7	61	3.9	33	10.3	53	17.5	59
Plaquemines .....	25,973	46.2	14	4.5	19	11.2	35	30.6	10
Pointe Coupee .....	23,255	41.2	26	2.6	49	12.7	18	25.8	28
Rapides .....	134,073	39.5	30	4.3	22	12.6	19	22.7	38
Red River .....	9,688	35.0	49	0.0	63	9.1	59	26.0	26
Richland .....	21,349	43.4	22	4.1	29	11.9	28	27.3	20
Sabine .....	23,573	46.9	11	2.9	45	8.5	61	35.5	2
St. Bernard .....	67,118	34.0	58	1.6	56	11.0	40	21.5	46
St. Charles .....	42,297	32.0	60	0.6	62	10.2	55	21.2	48
St. Helena .....	10,057	61.1	2	8.1	5	15.3	5	37.7	1
St. James .....	21,228	31.1	62	4.1	29	10.4	52	16.6	62
St. John Baptist .....	39,839	44.0	19	2.3	52	13.3	11	28.5	16
St. Landry .....	82,856	46.5	12	5.7	11	13.2	12	27.7	19
St. Martin .....	44,571	42.0	24	7.2	8	10.7	45	24.1	32
St. Mary .....	60,899	35.4	45	1.0	60	13.2	12	21.2	48
St. Tammany .....	142,369	39.4	31	4.2	25	11.3	34	23.9	34
Tangipahoa .....	86,965	44.2	18	3.6	38	12.8	16	27.8	18
Tensas .....	7,461	51.7	5	7.8	6	9.0	60	34.9	4
Terrebonne .....	98,663	38.8	34	4.4	21	10.6	48	23.7	36
Union .....	21,245	45.3	16	5.3	12	6.7	63	33.3	6
Vermilion .....	51,073	34.1	57	0.8	61	11.0	40	22.3	41
Vernon .....	61,377	36.4	41	3.4	40	11.2	35	21.8	44
Washington .....	44,209	47.1	10	4.8	16	13.5	10	28.7	14
Webster .....	42,918	43.7	21	4.3	22	12.1	25	27.3	20
West Baton Rouge .....	19,763	34.7	52	4.2	25	13.6	9	17.0	60
West Carroll .....	12,362	50.8	6	7.7	7	12.6	19	30.5	12
West Feliciana .....	13,034	34.6	54	4.0	31	15.0	7	15.6	64
Winn .....	16,620	43.8	20	2.4	50	10.7	45	30.7	9

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Maine.....	1,201,382	31.3		6.5		10.2		14.6	
Androscoggin .....	103,131	34.4	7	8.3	4	11.5	4	14.7	10
Aroostook .....	87,876	29.3	12	5.0	12	10.3	9	13.9	13
Cumberland.....	237,075	26.8	16	5.9	9	8.8	15	12.1	16
Franklin.....	28,607	35.6	6	5.4	11	12.4	2	17.8	5
Hancock .....	45,611	28.7	14	5.9	9	8.5	16	14.3	12
Kennebec .....	113,534	32.0	10	7.3	7	10.8	7	13.9	13
Knox .....	35,599	38.9	3	12.2	1	10.6	8	16.0	7
Lincoln.....	29,310	27.9	15	3.7	16	9.9	13	14.4	11
Oxford.....	51,467	37.7	5	6.6	8	10.2	10	20.9	1
Penobscot .....	143,598	30.8	11	7.5	6	9.9	13	13.4	15
Piscataquis.....	18,341	42.0	1	8.1	5	13.0	1	20.9	1
Sagadahoc.....	32,478	32.7	9	5.0	12	12.0	3	15.6	8
Somerset.....	48,638	32.8	8	4.4	14	11.3	5	17.1	6
Waldo .....	31,860	41.3	2	11.0	2	10.0	12	20.3	3
Washington .....	34,855	38.8	4	9.4	3	11.0	6	18.4	4
York.....	159,402	29.2	13	4.3	15	10.1	11	14.8	9
Maryland.....	4,644,212	36.5	21	6.9	22	11.8	7	17.8	27
Allegany .....	75,256	27.7	20	3.6	15	9.0	20	15.1	19
Anne Arundel .....	416,332	31.1	15	4.9	9	10.8	11	15.4	17
Baltimore .....	680,936	26.3	21	3.6	15	9.7	15	13.0	22
Calvert.....	47,475	33.8	13	2.9	20	10.5	13	20.3	9
Caroline.....	25,948	38.2	10	3.9	14	12.8	7	21.4	7
Carroll.....	117,518	29.2	17	2.6	22	8.9	21	17.6	16
Cecil.....	68,708	32.9	14	4.2	13	9.7	15	19.0	13
Charles.....	95,360	41.4	5	5.6	8	11.0	10	24.7	5
Dorchester.....	30,060	47.5	3	10.0	2	15.3	2	22.2	6
Frederick .....	142,243	28.5	18	4.6	10	9.7	15	14.3	21
Garrett .....	27,658	30.8	16	2.6	22	9.8	14	18.4	15
Harford .....	171,898	28.3	19	3.5	18	9.5	19	15.3	18
Howard.....	172,496	22.2	24	2.6	22	8.9	21	10.7	24
Kent.....	17,609	47.3	4	4.4	11	15.2	3	27.7	2
Montgomery .....	717,547	22.6	23	3.2	19	8.5	23	10.9	23
Prince George's.....	711,593	39.6	7	7.1	5	12.9	6	19.6	12
Queen Anne's .....	31,975	38.6	9	2.8	21	9.6	18	26.2	4
St. Mary's .....	72,159	37.8	11	4.4	11	13.6	5	19.8	11
Somerset.....	22,616	50.5	2	10.0	2	14.0	4	26.4	3
Talbot .....	29,444	37.2	12	6.3	7	10.7	12	20.2	10
Washington .....	119,127	26.2	22	3.6	15	7.9	24	14.7	20
Wicomico.....	72,146	39.6	7	6.5	6	12.6	8	20.5	8
Worcester.....	34,540	40.7	6	9.9	4	12.4	9	18.5	14
Baltimore City.....	743,567	71.2	1	21.3	1	19.8	1	30.0	1
Massachusetts.....	5,970,437	28.1		5.2		11.3		11.6	
Barnstable .....	179,304	31.9	3	6.5	3	11.1	7	14.3	4
Berkshire .....	140,882	29.3	5	5.2	6	9.5	13	14.6	2
Bristol .....	500,414	28.0	7	4.6	10	11.4	5	12.1	9
Dukes .....	11,144	27.9	9	4.9	9	10.6	9	12.3	7
Essex.....	665,407	28.0	7	6.0	4	11.3	6	10.7	11
Franklin.....	68,455	26.8	11	3.3	13	9.1	14	14.4	3
Hampden.....	452,785	31.2	4	5.6	5	12.2	3	13.4	5
Hampshire.....	144,895	25.2	12	5.2	6	9.9	12	10.1	12
Middlesex .....	1,396,529	24.8	13	4.6	10	10.9	8	9.4	14
Nantucket .....	5,815	46.4	1	9.7	1	24.2	1	12.5	6
Norfolk.....	614,130	22.7	14	3.0	14	10.1	10	9.6	13
Plymouth .....	430,092	28.2	6	4.0	12	12.0	4	12.3	7
Suffolk .....	665,826	41.1	2	9.0	2	15.5	2	16.6	1

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Worcester .....	694,758	27.0	10	5.1	8	10.0	11	11.8	10
Michigan .....	9,217,167	37.7		7.6		11.2		18.9	
Alcona .....	9,962	32.5	44	4.5	46	10.4	31	17.6	45
Alger .....	8,873	37.4	22	3.4	60	12.5	8	21.4	20
Allegan .....	87,983	31.7	50	2.7	74	9.4	54	19.6	34
Alpena .....	30,549	28.5	67	5.2	37	8.1	70	15.2	61
Antrim .....	17,561	28.0	69	5.5	34	9.5	47	13.0	77
Arenac .....	14,665	41.9	11	6.4	25	12.0	12	23.5	12
Baraga .....	7,970	35.6	29	6.0	31	16.1	2	13.6	73
Barry .....	48,802	36.0	28	4.3	48	8.8	63	22.9	15
Bay .....	112,381	31.5	53	5.8	33	10.0	38	15.6	58
Benzie .....	11,869	36.2	27	7.1	17	12.5	8	16.6	54
Berrien .....	160,951	38.9	16	6.9	20	12.0	12	20.0	30
Branch .....	40,778	32.7	39	7.0	18	9.5	47	16.3	56
Calhoun .....	135,362	41.6	12	9.6	10	11.9	15	20.2	27
Cass .....	48,820	35.0	32	4.2	51	10.8	25	20.1	28
Charlevoix .....	20,763	31.1	56	4.7	43	6.6	83	19.8	32
Cheboygan .....	20,930	32.6	41	4.1	53	7.0	80	21.5	19
Chippewa .....	33,128	29.7	60	6.5	24	8.2	68	15.0	66
Clare .....	24,414	32.8	38	2.2	77	9.8	41	20.7	24
Clinton .....	56,630	29.1	64	4.2	51	8.0	71	17.0	51
Crawford .....	11,528	36.8	24	4.3	48	12.6	7	20.0	30
Delta .....	37,940	29.6	61	3.0	69	11.7	16	15.0	66
Dickinson .....	26,752	32.6	41	6.9	20	8.9	61	16.9	53
Eaton .....	90,924	26.5	75	3.9	55	7.4	77	15.2	61
Emmet .....	24,378	29.6	61	4.9	40	10.9	22	13.8	71
Genesee .....	432,702	39.2	15	6.6	22	10.8	25	21.8	18
Gladwin .....	21,339	34.7	33	3.2	65	10.2	36	21.3	22
Gogebic .....	18,399	42.9	10	12.2	5	13.0	5	17.8	43
Grand Traverse .....	61,501	26.5	75	3.3	62	8.4	66	14.8	68
Gratiot .....	38,891	27.2	73	1.3	83	9.5	47	16.4	55
Hillsdale .....	42,805	31.6	51	3.1	67	8.8	63	19.8	32
Houghton .....	35,996	38.6	18	12.0	6	11.1	20	15.5	59
Huron .....	35,151	32.7	39	4.5	46	11.0	21	17.2	49
Ingham .....	279,842	27.2	73	4.8	42	9.6	44	12.8	78
Ionia .....	55,517	32.2	46	3.9	55	10.6	29	17.7	44
Iosco .....	29,916	28.5	67	3.8	59	9.5	47	15.2	61
Iron .....	13,405	41.5	13	6.6	22	9.6	44	25.3	6
Isabella .....	54,165	25.8	79	2.0	79	11.7	16	12.2	81
Jackson .....	147,524	32.9	37	5.3	36	9.4	54	18.1	40
Kalamazoo .....	220,259	27.7	70	4.3	48	10.3	34	13.1	76
Kalkaska .....	12,874	34.1	35	2.8	73	7.1	79	24.2	11
Kent .....	488,037	31.3	54	6.4	25	10.2	36	14.8	68
Keweenaw .....	1,720	66.1	1	20.1	1	21.0	1	25.0	8
Lake .....	8,381	47.8	5	13.8	3	13.6	4	20.3	26
Lapeer .....	72,541	31.1	56	3.0	69	9.0	60	19.2	37
Leelanau .....	15,913	20.3	83	1.5	81	6.9	81	11.9	82
Lenawee .....	90,049	32.5	44	3.3	62	9.9	39	19.3	35
Livingston .....	110,073	26.1	77	2.7	74	7.6	75	15.8	57
Luce .....	5,792	53.7	3	9.8	9	12.8	6	31.0	1
Mackinac .....	10,519	45.8	6	9.9	8	11.3	19	24.7	9
Macomb .....	709,378	28.6	66	6.0	31	10.3	34	12.3	80
Manistee .....	21,335	37.4	22	7.7	13	11.6	18	18.1	40
Marquette .....	71,022	28.9	65	5.0	39	10.6	29	13.3	75
Mason .....	25,555	29.2	63	7.0	18	6.9	81	15.3	60
Mecosta .....	37,007	31.3	54	5.2	37	10.9	22	15.2	61
Menominee .....	25,070	36.8	24	6.4	25	9.1	58	21.2	23
Midland .....	74,037	26.1	77	2.1	78	9.3	56	14.6	70



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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Missaukee .....	11,643	38.8	17	1.4	82	8.5	65	28.9	2
Monroe .....	132,071	31.6	51	4.7	43	9.8	41	17.1	50
Montcalm .....	51,374	35.5	31	3.2	65	9.5	47	22.8	16
Montmorency .....	8,546	45.0	7	8.1	12	10.4	31	26.5	4
Muskegon .....	157,298	35.6	29	7.4	14	10.7	27	17.5	46
Newaygo .....	37,231	37.5	20	6.3	28	7.8	73	23.4	13
Oakland .....	1,060,791	27.6	71	4.6	45	9.3	56	13.7	72
Oceana .....	22,085	31.8	49	3.1	67	8.2	68	20.5	25
Ogemaw .....	17,860	37.5	20	7.3	16	12.1	11	18.0	42
Ontonagon .....	8,918	27.5	72	1.6	80	10.9	22	15.1	65
Osceola .....	19,857	30.5	58	3.9	55	7.5	76	19.1	38
Oscoda .....	7,451	32.1	47	3.0	69	9.8	41	19.3	35
Otsego .....	17,093	25.6	81	2.6	76	9.5	47	13.6	73
Ottawa .....	179,713	23.0	82	3.3	62	7.3	78	12.4	79
Presque Isle .....	13,676	30.2	59	4.1	53	9.1	58	17.0	51
Roscommon .....	18,874	43.5	9	10.3	7	7.9	72	25.3	6
Saginaw .....	213,208	39.5	14	7.4	14	12.0	12	20.1	28
St. Clair .....	142,496	34.3	34	6.3	28	10.7	27	17.3	48
St. Joseph .....	58,367	32.1	47	2.9	72	7.8	73	21.4	20
Sanilac .....	39,681	44.5	8	8.2	11	9.9	39	26.3	5
Schoolcraft .....	8,329	48.0	4	12.9	4	12.4	10	22.7	17
Shiawassee .....	69,071	32.6	41	4.9	40	10.4	31	17.4	47
Tuscola .....	54,972	36.4	26	3.9	55	9.5	47	23.1	14
Van Buren .....	68,537	37.6	19	3.4	60	9.6	44	24.7	9
Washtenaw .....	276,976	25.7	80	5.5	34	8.9	61	11.3	83
Wayne .....	2,144,363	59.3	2	15.2	2	15.6	3	28.5	3
Wexford .....	26,058	33.6	36	6.3	28	8.3	67	18.9	39
Minnesota .....	4,290,327	26.9		5.3		8.2		13.5	
Aitkin .....	12,669	31.8	17	3.5	47	9.9	8	18.4	26
Anoka .....	231,789	26.0	50	5.2	23	8.5	31	12.3	68
Becker .....	27,922	29.9	23	2.3	71	7.6	41	20.0	16
Beltrami .....	33,713	35.9	9	5.3	22	8.6	29	22.0	11
Benton .....	29,018	26.1	48	2.6	64	8.5	31	14.9	44
Big Stone .....	6,554	28.1	35	7.4	9	4.2	86	16.5	35
Blue Earth .....	54,032	26.4	45	5.1	26	8.9	18	12.4	66
Brown .....	27,181	24.0	64	2.1	74	9.3	11	12.6	65
Carlton .....	29,189	37.4	7	8.2	4	9.1	13	20.1	15
Carver .....	44,901	24.3	62	2.9	61	7.0	53	14.5	45
Cass .....	21,552	48.3	1	6.5	13	8.8	23	33.0	1
Chippewa .....	13,592	30.1	21	2.5	67	7.2	51	20.4	14
Chisago .....	29,348	24.8	59	1.0	79	6.4	65	17.4	29
Clay .....	49,723	22.2	77	4.0	39	7.8	38	10.4	82
Clearwater .....	8,344	30.4	20	4.3	35	6.5	63	19.5	19
Cook .....	3,923	40.5	3	5.5	19	5.4	78	29.6	2
Cottonwood .....	13,061	21.8	82	3.9	41	5.9	72	12.0	72
Crow Wing .....	43,574	29.7	25	2.8	62	9.0	16	17.9	27
Dakota .....	254,006	22.4	76	4.9	28	7.4	46	10.1	85
Dodge .....	15,438	27.3	42	0.0	81	4.7	83	22.6	9
Douglas .....	28,457	28.2	33	7.8	6	6.0	70	14.3	46
Faribault .....	17,481	22.0	79	2.4	69	8.7	26	10.9	79
Fillmore .....	20,973	31.4	19	0.0	81	7.6	41	23.8	7
Freeborn .....	33,446	25.4	53	4.2	36	7.3	49	13.9	50
Goodhue .....	40,075	27.8	38	5.8	18	6.1	69	15.9	40
Grant .....	6,442	24.6	61	0.0	81	11.1	4	13.5	56
Hennepin .....	1,011,643	30.1	21	8.4	2	8.8	23	13.0	63
Houston .....	18,448	26.5	44	4.8	30	5.2	81	16.5	35
Hubbard .....	14,763	32.7	14	3.8	42	9.9	8	19.0	22
Isanti .....	25,260	29.4	26	0.9	80	11.2	3	17.2	31

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Itasca.....	41,265	28.9	29	6.4	15	8.4	34	14.1	49
Jackson.....	12,138	22.5	74	3.4	50	8.5	31	10.6	80
Kanabec.....	12,544	29.8	24	4.0	39	9.1	13	16.6	34
Kandiyohi.....	38,177	27.4	41	5.2	23	6.8	57	15.4	42
Kittson.....	5,902	36.9	8	2.6	64	14.3	1	20.0	16
Koochiching.....	16,464	27.7	39	6.5	13	8.9	18	12.4	66
Lac Qui Parle.....	9,298	22.8	71	3.7	43	7.8	38	11.3	77
Lake.....	10,859	31.6	18	9.7	1	9.2	12	12.7	64
Lake Of Woods.....	3,936	26.2	47	7.7	7	3.2	87	15.3	43
Le Sueur.....	23,252	22.5	74	3.7	43	5.4	78	13.3	58
Lincoln.....	7,168	21.9	81	0.0	81	4.3	85	17.5	28
Lyon.....	24,736	28.9	29	6.4	15	8.7	26	13.7	54
McLeod.....	31,381	22.7	72	2.1	74	6.7	59	13.9	50
Mahnomen.....	5,116	42.9	2	6.3	17	10.0	7	26.6	4
Marshall.....	11,330	27.6	40	5.2	23	5.7	75	16.7	32
Martin.....	23,545	20.0	86	3.1	57	6.5	63	10.3	83
Meeker.....	20,651	28.0	36	3.4	50	7.2	51	17.4	29
Mille Lacs.....	18,564	37.8	6	5.4	20	8.4	34	24.1	5
Morrison.....	29,397	33.0	13	6.7	11	7.4	46	18.9	23
Mower.....	37,870	25.3	55	3.4	50	7.6	41	14.2	48
Murray.....	9,913	27.9	37	0.0	81	6.3	66	21.6	12
Nicollet.....	27,774	25.4	53	7.7	7	4.7	83	13.1	61
Nobles.....	20,328	22.1	78	2.4	69	7.6	41	12.1	71
Norman.....	8,196	24.9	57	1.1	78	7.8	38	16.0	39
Olmsted.....	103,044	20.9	83	3.3	53	6.3	66	11.4	76
Otter Tail.....	50,739	25.2	56	3.1	57	6.6	61	15.5	41
Pennington.....	13,559	28.9	29	6.7	11	5.7	75	16.5	35
Pine.....	20,873	35.4	10	3.2	56	9.0	16	23.1	8
Pipestone.....	10,605	24.1	63	2.3	71	5.3	80	16.5	35
Polk.....	32,807	32.6	16	6.9	10	8.9	18	16.7	32
Pope.....	10,860	26.0	50	5.4	20	8.7	26	12.0	72
Ramsey.....	480,249	24.8	59	4.1	37	8.9	18	11.8	75
Red Lake.....	4,662	38.9	4	4.8	30	6.8	57	27.3	3
Redwood.....	17,594	23.7	67	2.5	67	8.1	36	13.1	61
Renville.....	18,194	38.5	5	4.5	32	11.6	2	22.4	10
Rice.....	48,263	26.1	48	3.5	47	9.4	10	13.3	58
Rock.....	9,979	20.9	83	3.5	47	6.9	54	10.6	80
Roseau.....	14,269	34.6	11	4.9	28	5.8	73	23.9	6
St. Louis.....	200,561	32.7	14	8.4	2	10.4	5	13.9	50
Scott.....	54,236	26.9	43	4.5	32	8.6	29	13.8	53
Sherburne.....	39,245	25.7	52	3.3	53	10.3	6	12.2	70
Sibley.....	14,487	29.4	26	2.6	64	6.7	59	20.0	16
Stearns.....	116,082	22.7	72	5.1	26	7.3	49	10.3	83
Steele.....	30,467	22.0	79	2.3	71	6.3	66	13.3	58
Stevens.....	10,732	10.8	87	0.0	81	6.0	70	4.8	87
Swift.....	11,180	23.0	69	1.6	76	8.0	37	13.4	57
Todd.....	23,619	29.4	26	4.4	34	5.6	77	19.4	20
Traverse.....	4,734	24.0	64	0.0	81	5.1	82	18.9	23
Wabasha.....	19,583	33.7	12	3.7	43	9.1	13	20.9	13
Wadena.....	13,314	24.9	57	3.6	46	6.9	54	14.3	46
Waseca.....	17,994	23.5	68	3.3	53	6.6	61	13.6	55
Washington.....	137,388	23.9	66	3.1	57	8.9	18	11.9	74
Watonwan.....	11,829	26.3	46	8.2	4	5.8	73	12.3	68
Wilkin.....	7,661	22.9	70	3.0	60	8.8	23	11.2	78
Winona.....	47,364	20.4	85	4.1	37	7.6	41	8.6	86
Wright.....	65,784	28.3	32	2.7	63	6.9	54	18.6	25
Yellow Medicine.....	12,045	28.2	33	1.5	77	7.4	46	19.2	21

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Mississippi .....	2,582,238	43.4		5.6		11.4		26.4	
Adams .....	36,448	45.4	43	8.3	12	12.3	29	24.7	62
Alcorn .....	32,099	50.4	23	9.7	7	9.9	56	30.8	32
Amite .....	13,381	41.9	56	1.8	75	9.3	64	30.8	32
Attala .....	18,747	41.0	59	2.6	65	9.6	59	28.8	43
Benton .....	8,115	46.9	37	3.2	59	6.0	81	37.7	15
Bolivar .....	42,938	48.1	32	4.8	40	14.0	15	29.3	41
Calhoun .....	14,982	52.1	20	2.7	62	7.9	78	41.5	7
Carroll .....	9,377	35.1	71	2.4	69	6.8	80	26.0	57
Chickasaw .....	17,986	30.2	79	2.7	62	7.1	79	20.5	72
Choctaw .....	9,013	58.1	10	3.9	53	12.6	22	41.7	6
Claiborne .....	11,542	58.3	9	7.9	14	10.3	49	40.1	11
Clarke .....	17,320	45.9	42	3.7	56	8.9	72	33.3	22
Clay .....	21,308	47.0	36	7.0	22	14.5	13	25.5	58
Coahoma .....	32,924	48.8	28	6.1	30	17.8	3	25.0	61
Copiah .....	27,315	48.2	30	6.8	24	9.3	64	32.1	24
Covington .....	16,448	44.7	46	2.6	65	13.3	17	28.9	42
De Soto .....	64,384	37.2	68	2.1	73	8.8	73	26.3	55
Forrest .....	68,187	38.7	65	7.1	19	13.2	18	18.4	76
Franklin .....	8,477	41.8	57	5.7	33	11.8	33	24.2	63
George .....	16,556	46.9	37	5.9	32	10.2	50	30.7	34
Greene .....	10,192	46.1	41	2.4	69	9.7	58	34.1	19
Grenada .....	21,255	49.5	26	4.1	50	17.6	4	27.9	47
Hancock .....	30,926	50.0	25	7.7	16	11.0	39	31.3	28
Harrison .....	166,983	44.9	45	9.2	10	12.5	23	23.2	67
Hinds .....	257,482	40.9	60	6.7	25	10.8	40	23.3	66
Holmes .....	21,933	58.4	8	5.3	37	14.6	11	38.6	12
Humphreys .....	12,516	69.5	3	10.1	5	15.5	7	43.9	3
Issaquena .....	1,989	27.9	81	10.4	4	4.6	82	12.9	82
Itawamba .....	20,222	43.1	53	4.3	47	8.8	73	30.1	37
Jackson .....	117,217	34.9	72	4.7	42	11.1	37	19.1	75
Jasper .....	17,220	42.5	54	1.1	77	10.5	45	31.0	31
Jefferson .....	8,841	43.6	52	4.1	50	10.2	50	29.4	39
Jefferson Davis .....	14,144	50.1	24	7.3	18	9.2	67	33.7	20
Jones .....	62,351	39.9	64	4.4	45	11.5	35	24.1	64
Kemper .....	10,415	49.4	27	6.6	28	9.2	67	33.6	21
Lafayette .....	31,593	32.3	76	4.8	40	9.1	70	18.4	76
Lamar .....	29,711	27.2	82	0.6	80	9.2	67	17.4	79
Lauderdale .....	76,212	45.3	44	7.1	19	11.2	36	27.0	52
Lawrence .....	12,598	62.6	5	2.7	62	8.3	77	51.6	2
Leake .....	18,518	54.6	15	6.6	28	9.6	59	38.3	13
Lee .....	64,110	46.4	40	9.4	9	10.4	48	26.6	54
Leflore .....	38,765	50.7	21	4.0	52	13.4	16	33.3	22
Lincoln .....	30,528	41.1	58	3.6	57	10.8	40	26.8	53
Lowndes .....	59,827	35.3	70	5.2	38	11.9	30	18.2	78
Madison .....	50,927	37.7	66	5.4	36	10.5	45	21.8	70
Marion .....	26,002	53.7	17	5.2	38	10.6	43	37.9	14
Marshall .....	30,643	64.6	4	9.7	7	12.4	25	42.5	5
Monroe .....	36,702	48.8	28	7.0	22	11.1	37	30.6	35
Montgomery .....	12,516	47.1	35	7.5	17	12.4	25	27.2	51
Neshoba .....	24,781	53.1	18	10.0	6	14.5	13	28.6	44
Newton .....	20,363	40.6	63	4.4	45	10.8	40	25.4	60
Noxubee .....	12,891	62.3	6	6.7	25	14.6	11	41.1	9
Oktibbeha .....	38,191	30.3	78	4.3	47	10.6	43	15.4	81
Panola .....	29,582	50.5	22	6.7	25	11.9	30	31.8	27
Pearl River .....	38,358	40.8	61	3.0	61	10.2	50	27.6	50
Perry .....	10,847	42.3	55	3.8	54	10.2	50	28.4	46
Pike .....	37,346	44.7	46	5.6	34	13.0	19	26.1	56
Pontotoc .....	22,038	33.2	75	3.3	58	10.1	55	19.8	74

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Prentiss .....	23,528	43.8	51	7.8	15	10.5	45	25.5	58
Quitman .....	10,840	56.4	13	0.3	81	15.6	6	40.5	10
Rankin .....	84,049	34.5	73	4.3	47	10.2	50	20.0	73
Scott .....	24,274	56.1	14	5.5	35	9.3	64	41.3	8
Sharkey .....	7,346	82.4	1	24.1	1	15.0	8	43.3	4
Simpson .....	24,068	52.9	19	8.5	11	15.0	8	29.4	39
Smith .....	15,015	37.5	67	1.1	77	8.7	75	27.7	48
Stone .....	10,593	54.2	16	8.3	12	14.7	10	31.3	28
Sunflower .....	33,895	44.7	46	4.5	43	12.5	23	27.7	48
Tallahatchie .....	15,313	57.3	11	2.5	68	18.1	2	36.7	18
Tate .....	21,259	31.5	77	1.2	76	9.6	59	20.8	71
Tippah .....	19,250	48.0	33	1.9	74	8.4	76	37.7	15
Tishomingo .....	17,748	46.9	37	7.1	19	9.6	59	30.2	36
Tunica .....	8,445	77.6	2	2.2	72	20.0	1	55.4	1
Union .....	22,084	36.9	69	4.5	43	9.0	71	23.4	65
Walthall .....	14,235	33.6	74	0.9	79	9.6	59	23.1	68
Warren .....	49,110	40.7	62	6.0	31	12.4	25	22.3	69
Washington .....	68,930	47.4	34	2.6	65	12.8	20	32.0	25
Wayne .....	19,615	43.9	50	2.4	69	11.6	34	29.9	38
Webster .....	10,385	28.0	80	0.0	82	11.9	30	16.1	80
Wilkinson .....	9,913	48.2	30	3.8	54	12.4	25	32.0	25
Winston .....	19,625	57.0	12	11.9	2	16.6	5	28.5	45
Yalobusha .....	12,334	61.0	7	10.8	3	12.7	21	37.5	17
Yazoo .....	26,105	44.2	49	3.2	59	9.8	57	31.3	28
Missouri .....	5,075,370	34.1		5.1		9.2		19.8	
Adair .....	24,686	19.5	111	1.5	83	5.7	99	12.3	110
Andrew .....	14,532	18.7	114	2.1	67	6.5	85	10.1	114
Atchison .....	7,635	21.0	108	3.2	49	11.2	6	6.6	115
Audrain .....	24,078	27.8	88	2.3	63	7.6	61	17.9	84
Barry .....	26,831	34.9	40	3.3	44	9.1	30	22.5	55
Barton .....	11,285	39.0	21	4.5	29	7.1	74	27.4	20
Bates .....	15,075	45.6	10	1.0	94	8.2	47	36.4	4
Benton .....	13,506	42.2	13	6.6	12	7.5	63	28.2	17
Bollinger .....	10,492	34.8	41	0.0	101	9.1	30	25.7	31
Boone .....	110,683	25.6	96	4.8	22	6.9	77	13.8	104
Buchanan .....	83,998	30.9	69	6.3	13	9.8	20	14.9	99
Butler .....	38,658	40.6	20	4.7	24	10.7	9	25.2	36
Caldwell .....	8,342	36.4	32	0.0	101	5.4	107	31.0	12
Callaway .....	32,387	31.5	66	4.6	25	10.2	17	16.7	89
Camden .....	26,386	34.8	41	2.1	67	6.6	84	26.0	30
Cape Girardeau .....	61,034	24.5	100	3.3	44	8.7	35	12.6	109
Carroll .....	11,031	28.0	86	1.4	85	6.2	91	20.4	66
Carter .....	5,515	51.1	6	3.9	37	5.2	112	42.0	1
Cass .....	60,870	27.8	88	2.0	74	7.2	70	18.5	82
Cedar .....	12,131	44.7	12	1.4	85	10.2	17	33.1	7
Chariton .....	9,446	46.6	9	9.3	6	10.5	11	26.7	22
Christian .....	30,160	31.2	68	6.0	14	5.9	94	19.3	75
Clark .....	7,709	26.6	92	0.0	101	10.7	9	15.9	92
Clay .....	149,455	28.3	85	5.3	19	8.0	52	15.0	98
Clinton .....	16,392	35.0	39	5.7	15	5.3	110	24.0	43
Cole .....	63,231	31.6	65	4.6	25	9.6	23	17.4	87
Cooper .....	14,995	34.3	46	8.2	7	5.3	110	20.8	63
Crawford .....	18,835	36.6	31	4.4	30	7.7	59	24.4	39
Dade .....	7,377	27.8	88	0.0	101	8.3	45	19.5	74
Dallas .....	12,440	34.1	49	1.2	91	6.4	87	26.5	24
Daviess .....	7,994	20.8	109	1.8	78	5.4	107	13.6	105
De Kalb .....	9,562	17.9	115	0.0	101	6.0	93	11.8	112
Dent .....	13,743	41.2	16	1.9	76	8.7	35	30.6	13

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Douglas .....	11,789	41.9	14	1.7	79	6.9	77	33.2	6
Dunklin .....	33,501	37.4	27	3.1	51	10.4	12	23.9	44
Franklin.....	79,299	37.2	28	2.5	59	8.5	38	26.1	28
Gasconade.....	13,841	41.1	17	2.3	63	7.0	76	31.8	9
Gentry.....	7,086	21.9	106	3.2	49	7.2	70	11.5	113
Greene .....	203,788	28.4	81	4.1	33	8.5	38	15.7	94
Grundy.....	10,794	34.8	41	1.4	85	10.3	13	23.1	51
Harrison.....	8,778	28.0	86	0.0	101	6.9	77	21.1	62
Henry.....	19,997	35.2	38	2.0	74	8.0	52	25.2	36
Hickory .....	7,132	48.2	8	9.7	5	7.4	65	31.1	11
Holt.....	6,233	19.5	111	0.0	101	6.7	82	12.8	107
Howard.....	9,759	32.5	61	2.1	67	8.1	50	22.2	56
Howell.....	30,847	34.6	44	5.6	16	8.2	47	20.7	64
Iron .....	10,670	50.4	7	4.1	33	11.7	4	34.6	5
Jackson .....	631,743	40.8	18	7.4	8	10.3	13	23.1	51
Jasper.....	89,605	33.4	54	2.8	56	11.4	5	19.2	76
Jefferson.....	165,939	32.5	61	2.3	63	9.7	21	20.5	65
Johnson.....	41,285	27.3	91	4.8	22	6.7	82	15.8	93
Knox .....	4,623	23.3	103	1.0	94	5.6	104	16.7	89
Laclede.....	26,787	35.3	35	1.6	81	5.9	94	27.8	19
Lafayette .....	30,741	33.4	54	2.2	66	7.5	63	23.6	49
Lawrence.....	29,966	33.0	56	0.8	96	8.0	52	24.3	40
Lewis.....	10,489	28.4	81	3.3	44	6.4	87	18.7	80
Lincoln.....	27,432	38.5	23	1.4	85	7.7	59	29.4	14
Linn .....	14,167	33.7	53	1.7	79	8.0	52	23.9	44
Livingston.....	14,693	26.2	93	1.1	92	7.1	74	18.0	83
McDonald.....	16,507	35.6	34	2.9	53	7.3	67	25.4	35
Macon.....	15,695	28.4	81	1.4	85	6.8	81	20.2	68
Madison.....	11,092	21.3	107	0.8	96	5.9	94	14.5	101
Maries.....	7,918	41.8	15	4.9	21	5.7	99	31.2	10
Marion .....	27,899	30.8	70	2.8	56	9.5	24	18.6	81
Mercer.....	3,866	18.8	113	0.0	101	4.0	115	14.8	100
Miller.....	20,705	33.9	50	4.6	25	5.4	107	23.9	44
Mississippi.....	14,625	56.1	3	10.7	3	16.0	2	29.4	14
Moniteau.....	12,476	29.7	78	0.0	101	9.4	25	20.3	67
Monroe.....	9,205	30.8	70	0.0	101	5.7	99	25.1	38
Montgomery.....	11,294	36.8	30	2.1	67	8.5	38	26.3	27
Morgan.....	15,446	55.2	4	17.0	2	10.2	17	27.9	18
New Madrid.....	21,302	44.8	11	10.3	4	8.9	33	25.6	32
Newton.....	43,846	33.8	51	3.6	39	8.1	50	22.1	57
Nodaway .....	21,730	20.0	110	1.5	83	6.4	87	12.0	111
Oregon.....	9,590	29.9	77	0.0	101	6.1	92	23.8	48
Osage.....	12,085	30.2	76	5.4	18	7.2	70	17.5	86
Ozark.....	8,491	24.8	99	0.6	99	5.0	113	19.1	77
Pemiscot.....	22,296	53.2	5	4.2	32	11.2	6	37.8	3
Perry.....	16,683	26.0	95	0.0	101	8.4	43	17.7	85
Pettis.....	35,375	29.5	80	2.1	67	8.4	43	19.0	78
Phelps.....	34,813	31.8	63	4.0	36	7.8	58	20.1	70
Pike.....	16,079	37.9	25	3.3	44	8.0	52	26.5	24
Platte.....	54,777	26.1	94	5.5	17	5.5	105	15.1	97
Polk.....	21,189	35.9	33	1.1	92	9.2	29	25.5	33
Pulaski.....	42,329	30.3	75	7.2	9	6.9	77	16.1	91
Putnam.....	5,212	22.9	104	2.5	59	5.0	113	15.4	95
Ralls.....	8,532	30.4	74	1.9	76	11.8	3	16.8	88
Randolph.....	24,826	22.5	105	2.6	58	7.2	70	12.8	107
Ray.....	21,771	30.8	70	3.5	41	7.4	65	19.9	72
Reynolds.....	6,701	30.7	73	2.1	67	5.7	99	22.9	54
Ripley.....	12,284	32.9	57	0.0	101	9.4	25	23.5	50
St. Charles.....	197,857	25.1	98	3.3	44	7.6	61	14.3	103
St. Clair.....	8,445	35.3	35	2.9	53	5.9	94	26.6	23

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Ste. Genevieve.....	15,787	32.9	57	3.1	51	9.7	21	20.2	68
St. Francois.....	47,208	38.6	22	3.7	38	11.0	8	23.9	44
St. Louis.....	988,624	25.2	97	3.4	42	8.5	38	13.3	106
Saline.....	23,785	38.5	23	7.2	9	8.2	47	23.1	51
Schuyler.....	4,375	34.3	46	3.6	39	6.5	85	24.2	41
Scotland.....	4,944	31.4	67	0.0	101	5.9	94	25.5	33
Scott.....	39,377	29.7	78	1.3	90	8.5	38	19.9	72
Shannon.....	7,593	34.2	48	2.9	53	7.3	67	24.1	42
Shelby.....	7,094	24.2	102	0.6	99	8.3	45	15.4	95
Stoddard.....	28,909	34.5	45	4.1	33	9.1	30	21.4	61
Stone.....	18,427	35.3	35	4.4	30	9.4	25	21.5	60
Sullivan.....	6,507	24.5	100	4.6	25	5.5	105	14.4	102
Taney.....	24,923	32.7	60	2.1	67	8.6	37	22.1	57
Texas.....	21,381	37.1	29	2.5	59	8.0	52	26.5	24
Vernon.....	19,224	31.8	63	3.4	42	9.4	25	19.0	78
Warren.....	18,688	28.4	81	0.0	101	6.4	87	22.0	59
Washington.....	19,862	40.8	18	1.6	81	10.3	13	28.9	16
Wayne.....	11,349	57.2	2	6.8	11	10.3	13	40.1	2
Webster.....	23,058	33.8	51	0.8	96	5.7	99	27.4	20
Worth.....	2,544	32.8	59	5.3	19	7.3	67	20.1	70
Wright.....	16,568	37.5	26	2.5	59	8.9	33	26.1	28
St. Louis City.....	410,720	68.4	1	19.1	1	16.5	1	32.8	8
Montana.....	803,631	38.2		7.6		8.7		21.9	
Beaverhead.....	8,412	41.4	18	12.8	8	8.2	26	20.4	29
Big Horn.....	11,527	88.5	3	24.0	3	11.2	9	53.3	1
Blaine.....	6,774	59.8	6	19.1	5	8.3	25	32.4	12
Broadwater.....	3,358	24.8	48	4.7	35	12.8	5	7.2	54
Carbon.....	8,167	33.7	32	3.7	40	8.2	26	21.8	23
Carter.....	1,579	21.6	51	0.0	47	9.1	16	12.5	52
Cascade.....	78,104	35.8	28	6.9	21	8.7	20	20.2	30
Chouteau.....	5,579	45.3	15	7.0	20	9.4	14	28.9	15
Custer.....	12,121	38.4	25	5.9	27	6.8	41	25.7	20
Daniels.....	2,350	21.5	52	1.0	45	1.4	55	19.0	39
Dawson.....	10,222	26.2	47	5.9	27	5.8	48	14.5	49
Deer Lodge.....	10,611	46.9	11	7.1	19	14.9	3	25.0	21
Fallon.....	3,312	24.4	49	4.4	36	2.8	54	17.3	45
Fergus.....	12,343	40.8	19	6.8	23	5.8	48	28.1	17
Flathead.....	58,247	38.5	24	8.1	16	7.6	34	22.8	22
Gallatin.....	49,565	24.2	50	4.2	37	6.6	42	13.5	50
Garfield.....	1,614	52.8	8	0.0	47	1.2	56	51.5	2
Glacier.....	11,932	104.6	1	40.1	2	15.6	2	48.9	4
Golden Valley.....	935	11.3	57	0.0	47	11.3	8	0.0	56
Granite.....	2,566	40.6	20	0.0	47	7.2	37	33.4	11
Hill.....	17,757	46.8	12	13.6	7	6.2	46	27.0	19
Jefferson.....	7,767	38.8	23	11.4	10	7.7	33	19.8	34
Judith Basin.....	2,372	15.9	55	0.0	47	10.2	11	5.7	55
Lake.....	20,733	43.8	16	6.1	25	9.4	14	28.4	16
Lewis And Clark.....	46,922	40.6	20	9.0	14	10.9	10	20.6	27
Liberty.....	2,309	28.4	43	5.2	31	9.7	12	13.5	50
Lincoln.....	17,647	33.4	34	5.6	30	7.3	36	20.5	28
McCone.....	2,363	35.4	29	10.6	12	3.4	53	21.4	24
Madison.....	5,942	41.6	17	0.0	47	5.2	50	36.4	9
Meagher.....	1,928	32.0	35	7.5	18	6.5	44	18.0	40
Mineral.....	3,447	57.5	7	8.9	15	7.1	39	41.5	6
Missoula.....	78,193	30.2	40	4.1	38	8.5	21	17.6	44
Musselshell.....	4,285	61.0	5	15.6	6	7.4	35	38.1	8
Park.....	14,512	27.6	46	2.6	43	7.2	37	17.8	42
Petroleum.....	560	20.9	53	0.0	47	5.9	47	15.0	48

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Phillips.....	5,228	29.5	41	0.6	46	9.0	18	19.9	32
Pondera.....	6,429	52.3	9	2.9	41	8.9	19	40.6	7
Powder River.....	2,224	34.4	30	0.0	47	4.9	51	29.5	14
Powell.....	6,721	45.9	14	5.8	29	7.9	29	32.2	13
Prairie.....	1,493	14.3	56	0.0	47	3.8	52	10.5	53
Ravalli.....	24,579	31.7	37	6.4	24	8.5	21	16.8	46
Richland.....	11,549	28.4	43	2.4	44	8.1	28	17.9	41
Roosevelt.....	11,133	104.5	2	40.9	1	14.2	4	49.3	3
Rosebud.....	10,781	83.4	4	22.9	4	11.6	7	48.9	4
Sanders.....	8,800	48.4	10	7.6	17	6.4	45	34.4	10
Sheridan.....	4,992	28.1	45	4.8	34	6.6	42	16.7	47
Silver Bow.....	34,428	39.8	22	6.9	21	12.2	6	20.7	26
Stillwater.....	6,326	46.5	13	11.0	11	7.9	29	27.6	18
Sweet Grass.....	3,178	31.5	38	2.8	42	8.5	21	20.2	30
Teton.....	6,327	33.6	33	6.1	25	8.5	21	19.1	37
Toole.....	5,223	33.8	31	5.2	31	9.5	13	19.1	37
Treasure.....	922	36.3	27	12.7	9	23.6	1	0.0	56
Valley.....	8,703	36.8	26	9.8	13	7.8	31	19.2	36
Wheatland.....	2,229	30.8	39	3.8	39	7.0	40	19.9	32
Wibaux.....	1,243	29.2	42	0.0	47	7.8	31	21.4	24
Yellowstone.....	115,015	31.8	36	4.9	33	9.1	16	17.7	43
Yellowstone Park.....	54	19.8	54	0.0	47	0.0	57	19.8	34
Nebraska.....	1,573,285	27.8		4.7		8.0		15.1	
Adams.....	29,905	25.1	68	2.9	54	7.8	30	14.3	67
Antelope.....	8,073	28.7	50	0.3	71	6.2	64	22.3	26
Arthur.....	479	24.3	72	0.0	73	6.1	66	18.3	43
Banner.....	890	26.1	63	0.0	73	2.4	90	23.7	19
Blaine.....	682	42.2	13	0.0	73	17.8	5	24.5	16
Boone.....	6,789	16.6	90	0.0	73	4.3	75	12.2	78
Box Butte.....	13,522	26.8	58	3.7	43	6.9	53	16.2	57
Boyd.....	2,899	20.5	82	0.0	73	2.8	86	17.7	48
Brown.....	3,813	36.3	22	14.8	6	7.3	41	14.2	68
Buffalo.....	37,056	29.3	47	3.0	53	9.3	16	17.0	50
Burt.....	8,004	27.9	52	1.7	67	9.5	15	16.7	53
Butler.....	8,698	36.4	20	7.8	13	6.4	60	22.2	27
Cass.....	21,236	23.1	75	0.8	69	6.8	55	15.5	60
Cedar.....	10,350	26.2	62	3.1	52	7.5	36	15.6	59
Chase.....	4,454	33.5	27	5.9	21	4.9	72	22.8	23
Cherry.....	6,520	33.1	30	4.5	32	4.0	81	24.6	15
Cheyenne.....	9,638	28.1	51	2.6	60	7.0	48	18.5	41
Clay.....	7,278	38.1	15	5.4	24	8.6	22	24.1	18
Colfax.....	9,375	31.8	35	5.7	22	6.3	62	19.8	34
Cuming.....	10,337	32.1	34	1.9	66	7.0	48	23.2	22
Custer.....	12,561	27.7	53	4.6	30	6.7	58	16.4	55
Dakota.....	16,754	30.0	40	6.3	19	7.0	48	16.8	52
Dawes.....	9,120	31.4	36	11.3	11	8.5	24	11.7	80
Dawson.....	20,264	26.5	60	3.4	46	7.2	42	15.9	58
Deuel.....	2,296	29.0	48	5.5	23	18.4	4	5.0	93
Dixon.....	6,293	31.4	36	14.4	7	6.3	62	10.7	84
Dodge.....	34,532	26.6	59	2.5	61	7.2	42	17.0	50
Douglas.....	411,717	29.4	46	4.6	30	10.0	13	14.7	64
Dundy.....	2,676	34.3	25	8.3	12	7.4	37	18.6	40
Fillmore.....	7,177	30.8	38	0.0	73	9.3	16	21.5	30
Franklin.....	3,993	43.3	10	4.4	35	10.5	12	28.4	9
Frontier.....	3,212	18.7	86	0.0	73	5.4	70	13.3	74
Furnas.....	5,781	43.9	9	3.4	46	6.9	53	33.6	4
Gage.....	22,987	25.8	66	0.2	72	5.9	67	19.7	35
Garden.....	2,531	16.7	89	3.2	50	7.4	37	6.1	91

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Garfield.....	2,178	26.0	64	11.7	10	2.7	87	11.6	81
Gosper.....	1,986	17.8	88	0.0	73	11.0	11	6.8	90
Grant.....	804	60.0	4	0.0	73	31.4	1	28.6	8
Greeley.....	3,104	52.9	6	13.7	8	15.7	8	23.5	20
Hall.....	48,860	24.9	69	4.8	28	8.6	22	11.5	82
Hamilton.....	8,889	29.8	42	3.6	45	4.3	75	21.9	29
Harlan.....	3,895	42.7	11	21.8	2	7.4	37	13.6	71
Hayes.....	1,267	22.6	76	2.8	56	1.0	92	18.8	38
Hitchcock.....	3,799	20.3	84	3.7	43	3.0	84	13.6	71
Holt.....	12,879	26.5	60	0.5	70	7.8	30	18.2	45
Hooker.....	810	58.2	5	0.0	73	17.3	6	40.9	3
Howard.....	6,169	37.1	18	6.2	20	4.2	78	26.7	12
Jefferson.....	8,963	37.7	16	5.0	27	8.2	27	24.5	16
Johnson.....	4,765	42.5	12	12.8	9	6.4	60	23.3	21
Kearney.....	6,621	29.6	44	3.2	50	7.0	48	19.4	37
Keith.....	8,757	33.3	29	5.4	24	14.2	10	13.7	70
Keya Paha.....	1,096	9.9	93	0.0	73	2.7	87	7.3	89
Kimball.....	4,283	36.6	19	15.9	5	7.4	37	13.2	75
Knox.....	9,870	37.5	17	4.5	32	6.7	58	26.3	13
Lancaster.....	208,748	24.6	71	6.4	18	7.2	42	11.1	83
Lincoln.....	32,791	27.3	57	4.0	38	8.8	19	14.5	65
Logan.....	880	24.9	69	0.0	73	14.5	9	10.4	86
Loup.....	722	23.8	73	0.0	73	3.0	84	20.8	32
McPherson.....	553	13.0	92	0.0	73	3.3	82	9.7	88
Madison.....	32,384	27.6	54	2.5	61	7.2	42	17.9	46
Merrick.....	8,161	23.4	74	0.0	73	5.0	71	18.4	42
Morrill.....	5,544	27.5	55	3.8	41	8.2	27	15.5	60
Nance.....	4,352	25.8	66	4.5	32	6.8	55	14.5	65
Nemaha.....	8,073	32.6	32	0.0	73	4.4	74	28.2	10
Nuckolls.....	6,033	36.4	20	3.9	40	7.7	33	24.9	14
Otoe.....	14,416	34.5	24	6.7	17	7.6	35	20.2	33
Pawnee.....	3,440	28.9	49	7.8	13	2.7	87	18.3	43
Perkins.....	3,438	19.5	85	2.7	58	1.9	91	14.9	62
Phelps.....	9,817	26.0	64	2.8	56	8.3	25	14.9	62
Pierce.....	7,920	33.8	26	4.1	37	7.1	46	22.6	24
Platte.....	29,250	27.5	55	4.2	36	6.8	55	16.4	55
Polk.....	5,740	41.1	14	1.6	68	9.6	14	30.0	7
Red Willow.....	11,944	29.7	43	5.2	26	7.8	30	16.7	53
Richardson.....	10,118	21.9	77	2.3	63	5.7	69	13.9	69
Rock.....	2,099	51.5	7	7.5	16	21.7	2	22.4	25
Saline.....	12,761	30.1	39	3.4	46	8.8	19	17.9	46
Sarpy.....	99,079	21.2	81	2.3	63	9.0	18	9.9	87
Saunders.....	18,290	32.9	31	4.0	38	7.7	33	21.2	31
Scotts Bluff.....	36,574	32.2	33	7.6	15	7.1	46	17.6	49
Seward.....	15,330	18.4	87	0.0	73	4.9	72	13.5	73
Sheridan.....	6,864	60.1	3	21.7	3	5.8	68	32.7	5
Sherman.....	3,832	33.4	28	2.2	65	4.3	75	26.9	11
Sioux.....	1,603	63.5	2	0.0	73	3.2	83	60.3	1
Stanton.....	6,236	21.5	79	0.0	73	8.3	25	13.2	75
Thayer.....	6,809	21.7	78	4.8	28	4.1	79	12.8	77
Thomas.....	867	36.2	23	0.0	73	16.6	7	19.6	36
Thurston.....	6,958	130.0	1	64.7	1	19.2	3	46.1	2
Valley.....	5,344	29.6	44	2.7	58	8.1	29	18.7	39
Washington.....	16,283	21.4	80	3.3	49	6.2	64	12.0	79
Wayne.....	9,357	14.0	91	0.0	73	8.8	19	5.2	92
Webster.....	4,376	30.0	40	3.8	41	4.1	79	22.1	28
Wheeler.....	977	48.6	8	16.0	4	0.6	93	32.0	6
York.....	14,432	20.4	83	2.9	54	7.0	48	10.5	85



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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Nevada .....	1,083,768	47.0		13.0		10.5		23.5	
Churchill .....	16,512	49.1	11	12.5	9	7.9	14	28.7	10
Clark .....	660,446	44.7	15	10.3	11	11.4	7	23.0	12
Douglas .....	25,262	34.8	17	6.7	14	7.6	15	20.4	15
Elko .....	28,429	49.9	9	12.3	10	9.5	10	28.2	11
Esmeralda .....	1,314	47.6	13	14.3	6	13.3	5	20.0	16
Eureka .....	1,371	49.6	10	0.0	16	9.3	11	40.3	3
Humboldt .....	11,455	56.3	4	15.2	5	11.3	8	29.8	9
Lander .....	5,425	80.3	2	20.9	3	14.9	4	44.5	1
Lincoln .....	3,621	53.7	6	9.0	12	6.4	17	38.3	4
Lyon .....	18,246	51.3	8	8.2	13	7.6	15	35.4	6
Mineral .....	6,256	84.3	1	30.2	1	15.9	1	38.2	5
Nye .....	16,235	55.4	5	6.0	15	8.7	12	40.7	2
Pershing .....	3,919	47.8	12	0.0	16	15.5	2	32.3	8
Storey .....	2,322	43.8	16	13.2	8	15.1	3	15.6	17
Washoe .....	236,193	51.4	7	21.8	2	8.6	13	21.0	14
White Pine .....	8,645	63.0	3	16.6	4	11.6	6	34.8	7
Carson City .....	38,116	46.6	14	13.3	7	10.8	9	22.5	13
New Hampshire .....	1,075,217	29.6		5.8		10.2		13.6	
Belknap .....	47,996	38.5	3	5.4	7	15.2	1	17.9	3
Carroll .....	33,546	44.8	1	8.5	3	13.5	2	22.8	1
Cheshire .....	68,631	30.7	6	5.5	5	10.6	4	14.5	5
Coos .....	34,745	40.0	2	10.9	1	10.6	4	18.5	2
Grafton .....	73,165	31.6	4	9.0	2	9.3	8	13.2	8
Hillsborough .....	326,644	27.9	8	5.5	5	10.1	6	12.3	10
Merrimack .....	115,497	27.9	8	6.0	4	8.3	10	13.7	6
Rockingham .....	236,041	28.7	7	5.0	9	10.1	6	13.5	7
Strafford .....	100,914	25.2	10	3.4	10	9.1	9	12.7	9
Sullivan .....	38,038	31.1	5	5.2	8	10.8	3	15.1	4
New Jersey .....	7,692,922	30.0		6.6		11.5		11.9	
Atlantic .....	218,352	40.2	2	10.7	3	13.0	3	16.6	4
Bergen .....	834,310	20.5	21	3.5	17	9.1	20	8.0	21
Burlington .....	388,286	25.7	15	3.5	17	10.7	13	11.5	11
Camden .....	498,565	34.7	6	7.8	6	12.5	6	14.4	6
Cape May .....	93,112	33.9	8	7.5	7	12.7	4	13.7	7
Cumberland .....	137,368	35.8	4	4.5	13	11.2	12	20.1	1
Essex .....	795,717	45.8	1	12.6	1	15.2	1	18.0	2
Gloucester .....	223,574	29.3	10	5.5	11	10.1	15	13.7	7
Hudson .....	560,000	38.5	3	11.3	2	14.9	2	12.4	9
Hunterdon .....	104,181	23.7	18	2.5	21	10.1	15	11.0	12
Mercer .....	322,382	34.8	5	9.9	4	12.6	5	12.3	10
Middlesex .....	660,984	24.5	17	3.5	17	11.3	10	9.6	18
Monmouth .....	545,901	26.2	14	5.7	9	11.3	10	9.2	19
Morris .....	421,274	23.4	19	4.2	15	9.3	18	9.9	17
Ocean .....	418,169	26.5	13	5.7	9	10.1	15	10.7	16
Passaic .....	455,765	32.5	9	9.8	5	11.9	7	10.8	14
Salem .....	65,127	34.6	7	5.4	12	11.4	9	17.7	3
Somerset .....	231,792	21.3	20	3.1	20	9.3	18	8.8	20
Sussex .....	128,252	25.5	16	4.2	15	10.5	14	10.8	14
Union .....	499,664	28.9	11	6.4	8	11.6	8	10.9	13
Warren .....	90,146	27.8	12	4.4	14	8.6	21	14.8	5
New Mexico .....	1,490,250	51.3		14.1		9.3		27.8	
Bernalillo .....	469,777	44.8	24	12.4	15	9.0	18	23.4	26
Catron .....	2,568	55.1	14	5.5	28	3.5	31	46.0	5

Table 4

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Chaves .....	57,410	42.6	26	10.0	20	10.3	9	22.3	27
Colfax .....	13,355	39.3	27	10.2	18	8.7	19	20.3	28
Curry .....	42,640	36.0	31	9.1	22	9.9	12	16.9	32
De Baca .....	2,343	63.8	9	1.9	31	9.8	13	52.0	2
Dona Ana .....	131,370	37.2	30	7.7	25	9.2	16	20.3	28
Eddy .....	50,193	45.1	23	7.2	26	12.0	4	25.9	22
Grant .....	27,290	45.6	22	10.4	17	10.4	8	24.8	24
Guadalupe .....	4,275	43.8	25	5.6	27	7.0	25	31.2	19
Harding .....	1,004	49.7	18	0.0	32	2.2	32	47.6	4
Hidalgo .....	6,019	49.5	20	11.6	16	4.3	30	33.6	16
Lea .....	58,823	39.2	28	5.2	29	10.1	10	24.0	25
Lincoln .....	12,386	48.6	21	10.1	19	5.6	28	32.8	17
Los Alamos .....	18,064	27.3	32	3.8	30	5.3	29	18.3	30
Luna .....	17,793	62.4	10	12.9	13	12.6	3	36.9	12
McKinley .....	60,252	113.8	1	46.3	1	13.1	2	54.4	1
Mora .....	4,366	69.9	6	16.7	9	10.1	10	43.1	6
Otero .....	51,288	55.5	13	18.7	6	11.6	5	25.2	23
Quay .....	10,982	52.1	16	8.7	24	5.9	27	37.5	10
Rio Arriba .....	33,738	96.4	2	37.9	2	9.8	13	48.6	3
Roosevelt .....	16,684	38.7	29	13.7	12	7.7	24	17.3	31
Sandoval .....	57,174	53.5	15	15.0	10	8.1	22	30.4	20
San Juan .....	92,882	64.1	8	17.0	8	6.7	26	40.4	8
San Miguel .....	25,497	70.1	5	23.8	5	10.8	6	35.6	13
Santa Fe .....	94,393	49.7	18	14.7	11	8.6	20	26.4	21
Sierra .....	9,699	72.7	3	25.7	3	9.6	15	37.4	11
Socorro .....	14,575	59.3	11	18.3	7	9.1	17	31.9	18
Taos .....	22,833	72.0	4	25.4	4	7.9	23	38.7	9
Torrance .....	9,689	51.6	17	8.9	23	8.3	21	34.3	15
Union .....	4,403	67.7	7	9.6	21	16.4	1	41.8	7
Valencia/Cibola .....	66,483	58.0	12	12.9	13	10.5	7	34.6	14
New York .....	17,924,886	35.6		8.7		11.3		15.6	
Albany .....	292,286	24.3	59	2.5	55	11.6	11	10.3	60
Allegany .....	50,344	28.2	39	3.0	51	9.8	42	15.4	23
Bronx .....	1,197,401	58.2	1	16.2	3	15.5	1	26.6	1
Broome .....	212,992	27.7	43	5.0	24	11.0	18	11.7	52
Cattaraugus .....	84,920	29.0	31	5.2	21	10.6	29	13.2	43
Cayuga .....	81,837	30.2	24	4.4	35	10.4	33	15.3	24
Chautauqua .....	143,042	29.9	27	5.1	22	11.0	18	13.8	39
Chemung .....	94,300	27.5	45	3.9	40	10.9	22	12.7	44
Chenango .....	51,036	30.1	25	5.5	16	7.4	61	17.2	13
Clinton .....	84,990	24.6	57	2.8	53	10.2	36	11.7	52
Columbia .....	62,435	32.3	13	6.9	5	8.4	55	17.1	14
Cortland .....	48,687	27.0	49	4.0	39	10.5	31	12.5	46
Delaware .....	46,933	34.8	5	4.9	25	9.2	50	20.6	5
Dutchess .....	256,593	32.2	14	5.7	15	12.0	7	14.5	30
Erie .....	973,216	30.4	23	5.4	18	12.4	6	12.5	46
Essex .....	36,999	34.8	5	6.3	9	10.6	29	17.9	10
Franklin .....	46,086	28.5	36	2.3	57	10.9	22	15.3	24
Fulton .....	54,465	28.8	32	3.4	47	8.9	53	16.5	16
Genesee .....	59,865	32.5	12	3.3	48	8.2	57	21.0	4
Greene .....	43,870	31.8	17	3.1	50	11.1	15	17.5	12
Hamilton .....	5,215	32.6	11	5.4	18	12.9	4	14.2	34
Herkimer .....	66,024	26.7	51	4.3	36	8.4	55	14.0	35
Jefferson .....	103,107	30.1	25	4.1	38	11.7	10	14.3	32
Kings .....	2,297,375	50.7	2	17.0	2	12.5	5	21.3	3
Lewis .....	26,019	28.8	32	4.6	31	9.3	49	15.0	26
Livingston .....	61,295	27.8	42	3.9	40	9.1	51	14.8	27
Madison .....	68,395	31.2	20	4.7	30	11.0	18	15.5	22

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Monroe .....	712,644	28.1	40	6.2	11	10.0	38	11.8	51
Montgomery .....	52,146	26.8	50	2.9	52	9.9	41	14.0	35
Nassau .....	1,296,988	23.8	60	4.2	37	9.0	52	10.5	59
New York .....	1,478,328	50.7	2	17.3	1	13.8	3	19.5	7
Niagara .....	220,499	30.5	22	4.6	31	11.8	9	14.0	35
Oneida .....	252,023	28.8	32	4.9	25	10.7	27	13.3	42
Onondaga .....	468,524	27.3	48	5.9	14	10.0	38	11.4	56
Ontario .....	94,290	28.6	35	4.5	33	9.4	48	14.7	28
Orange .....	297,573	33.8	8	5.5	16	11.9	8	16.4	17
Orleans .....	40,954	29.9	27	2.0	59	7.6	59	20.3	6
Oswego .....	120,301	31.1	21	3.9	40	10.9	22	16.3	18
Otsego .....	59,973	23.1	61	1.8	60	7.6	59	13.7	40
Putnam .....	82,434	24.7	56	2.4	56	9.8	42	12.4	48
Queens .....	1,950,610	33.3	9	9.0	4	9.6	45	14.7	28
Rensselaer .....	154,037	28.3	38	4.8	28	11.4	12	12.1	50
Richmond .....	375,398	27.6	44	6.3	9	11.1	15	10.3	60
Rockland .....	265,530	24.9	54	3.2	49	10.7	27	11.0	58
St. Lawrence .....	112,571	28.4	37	3.5	46	10.5	31	14.4	31
Saratoga .....	174,261	26.1	53	3.8	44	10.1	37	12.3	49
Schenectady .....	149,561	27.4	46	4.9	25	10.8	26	11.7	52
Schoharie .....	31,283	26.6	52	2.7	54	9.6	45	14.3	32
Schuyler .....	18,472	28.0	41	1.6	62	7.0	62	19.4	8
Seneca .....	33,608	27.4	46	3.7	45	9.7	44	14.0	35
Steuben .....	98,388	34.6	7	6.4	8	11.3	13	16.9	15
Suffolk .....	1,315,379	29.7	29	6.1	13	10.9	22	12.7	44
Sullivan .....	68,174	42.5	4	6.9	5	14.0	2	21.6	2
Tioga .....	51,742	24.5	58	2.2	58	8.7	54	13.6	41
Tompkins .....	92,475	24.8	55	5.4	18	8.0	58	11.4	56
Ulster .....	163,892	32.2	14	4.8	28	11.1	15	16.3	18
Warren .....	57,891	31.7	18	6.2	11	9.6	45	15.9	20
Washington .....	58,206	31.4	19	5.1	22	10.3	35	15.9	20
Wayne .....	88,333	32.1	16	4.5	33	10.0	38	17.6	11
Westchester .....	874,301	29.3	30	6.6	7	11.0	18	11.7	52
Wyoming .....	42,026	33.3	9	3.9	40	11.3	13	18.2	9
Yates .....	22,344	21.3	62	1.8	60	10.4	33	9.1	62
North Carolina .....	6,480,558	42.7		10.3		11.2		21.3	
Alamance .....	105,857	40.0	66	10.5	46	9.6	65	19.9	72
Alexander .....	27,035	37.8	81	6.1	87	9.1	76	22.6	51
Alleghany .....	9,564	39.8	68	13.3	24	8.1	92	18.5	83
Anson .....	23,912	63.8	5	16.4	10	13.1	26	34.3	5
Ashe .....	22,269	25.8	100	3.9	94	6.1	99	15.9	94
Avery .....	14,776	42.0	53	11.0	37	9.4	70	21.5	59
Beaufort .....	42,386	48.7	35	10.8	40	15.6	7	22.2	53
Bertie .....	20,596	57.2	15	10.9	39	13.0	28	33.3	6
Bladen .....	28,939	53.0	22	7.2	76	10.9	51	34.9	4
Brunswick .....	48,574	48.9	34	8.7	63	11.4	44	28.8	18
Buncombe .....	172,048	38.8	74	10.2	49	10.0	61	18.6	80
Burke .....	75,043	37.5	82	7.8	70	8.2	91	21.5	59
Cabarrus .....	96,172	33.6	91	6.2	84	9.4	70	18.0	86
Caldwell .....	69,940	38.3	77	6.5	80	9.7	64	22.1	54
Camden .....	5,801	37.4	83	2.6	97	11.6	40	23.2	47
Carteret .....	51,271	42.6	50	10.7	42	10.7	54	21.2	65
Caswell .....	20,923	50.2	31	10.1	51	13.6	19	26.5	29
Catawba .....	115,859	38.3	77	7.1	78	9.1	76	22.1	54
Chatham .....	37,709	46.5	41	12.8	27	8.8	83	25.0	40
Cherokee .....	19,830	40.0	66	12.8	27	8.0	93	19.2	77
Chowan .....	13,318	51.2	27	13.0	26	11.9	37	26.3	30
Clay .....	7,110	34.6	89	10.1	51	8.8	83	15.6	97

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Cleveland .....	84,341	44.6	46	13.4	23	11.4	44	19.8	73
Columbus .....	49,932	51.7	26	6.2	84	12.8	29	32.7	7
Craven .....	80,449	32.2	93	3.7	95	10.9	51	17.6	87
Cumberland .....	270,984	47.0	40	11.9	31	13.5	20	21.6	58
Currituck .....	13,295	52.6	24	14.8	16	10.4	57	27.4	23
Dare .....	20,678	36.0	85	7.9	68	8.4	89	19.7	74
Davidson .....	123,314	38.3	77	8.3	67	8.9	82	21.0	69
Davie .....	27,716	35.7	86	4.1	93	6.7	98	24.9	41
Duplin .....	40,261	54.1	19	13.5	22	13.3	22	27.3	24
Durham .....	176,034	41.9	54	14.0	20	12.1	33	15.8	95
Edgecombe .....	56,452	61.5	8	19.1	6	16.5	4	25.8	36
Forsyth .....	261,669	41.2	59	10.7	42	11.6	40	18.9	79
Franklin .....	35,291	50.2	31	10.3	47	11.7	38	28.2	21
Gaston .....	172,619	43.3	47	8.7	63	12.5	30	22.1	54
Gates .....	9,210	48.0	37	1.7	99	11.2	48	35.2	3
Graham .....	7,237	35.3	87	11.0	37	7.8	94	16.4	92
Granville .....	37,432	60.4	10	16.3	11	13.8	17	30.4	14
Greene .....	15,620	38.2	80	5.9	90	11.1	49	21.3	63
Guilford .....	339,997	39.7	69	9.7	59	11.4	44	18.6	80
Halifax .....	55,174	64.0	4	21.3	2	16.8	3	25.9	34
Harnett .....	66,015	54.0	20	10.8	40	13.1	26	30.1	16
Haywood .....	47,087	38.8	74	7.9	68	8.5	87	22.4	52
Henderson .....	67,494	39.4	70	7.5	73	8.8	83	23.1	48
Hertford .....	22,881	58.9	12	20.8	3	12.1	33	25.9	34
Hoke .....	22,542	43.1	48	10.3	47	13.4	21	19.4	75
Hyde .....	5,575	73.4	1	19.1	6	14.9	13	39.4	1
Iredell .....	90,506	45.3	45	9.2	61	9.5	68	26.6	28
Jackson .....	26,579	40.4	64	11.5	35	9.9	63	19.0	78
Johnston .....	79,316	53.2	21	12.7	29	13.3	22	27.2	26
Jones .....	9,454	50.1	33	6.4	81	12.4	32	31.3	9
Lee .....	40,773	53.0	22	15.1	14	9.0	80	28.8	18
Lenoir .....	57,668	50.8	29	10.1	51	14.5	15	26.2	32
Lincoln .....	48,321	39.0	72	7.4	75	10.2	59	21.4	61
McDowell .....	35,652	41.2	59	7.6	71	9.1	76	24.6	43
Macon .....	23,087	33.0	92	9.9	58	7.8	94	15.3	98
Madison .....	17,012	34.5	90	1.5	100	11.7	38	21.2	65
Martin .....	25,317	58.3	14	14.5	17	15.0	11	28.9	17
Mecklenburg .....	487,898	41.2	59	11.9	31	10.7	54	18.6	80
Mitchell .....	14,338	32.0	94	6.3	82	7.4	96	18.3	84
Montgomery .....	23,346	42.9	49	11.4	36	10.0	61	21.4	61
Moore .....	56,854	48.7	35	10.7	42	10.8	53	27.3	24
Nash .....	74,939	56.7	17	16.2	12	13.8	17	26.7	27
New Hanover .....	117,476	40.7	62	11.7	34	11.6	40	17.4	89
Northampton .....	21,258	64.7	3	19.3	5	17.4	2	28.0	22
Onslow .....	143,945	35.3	87	8.6	65	12.1	33	14.6	99
Orange .....	90,076	29.4	98	5.1	91	8.4	89	15.8	95
Pamlico .....	11,284	36.8	84	5.0	92	6.1	99	25.6	38
Pasquotank .....	30,653	40.1	65	6.1	87	13.2	24	20.8	70
Pender .....	27,277	50.9	28	7.6	71	12.1	33	31.2	11
Perquimans .....	10,222	45.5	44	7.1	78	14.8	14	23.6	46
Person .....	29,879	47.4	38	9.7	59	12.5	30	25.2	39
Pitt .....	103,948	46.4	42	13.2	25	15.0	11	18.2	85
Polk .....	14,197	50.5	30	12.4	30	6.8	97	31.3	9
Randolph .....	103,093	38.5	76	6.3	82	9.1	76	23.1	48
Richmond .....	44,717	59.4	11	15.1	14	15.7	6	28.6	20
Robeson .....	104,337	63.7	6	13.6	21	14.3	16	35.8	2
Rockingham .....	85,387	45.6	43	10.6	45	10.2	59	24.8	42
Rowan .....	108,201	40.6	63	10.1	51	11.1	49	19.4	75
Rutherford .....	56,388	42.1	52	8.4	66	9.4	70	24.3	44
Sampson .....	47,522	61.0	9	15.2	13	15.2	9	30.5	13

Table 4

**Age-Adjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Scotland .....	33,326	56.9	16	11.8	33	13.2	24	31.9	8
Stanly .....	51,018	38.9	73	7.2	76	10.6	56	21.1	67
Stokes .....	36,502	41.4	58	10.0	56	10.3	58	21.1	67
Surry.....	61,321	42.5	51	10.1	51	9.6	65	22.8	50
Swain.....	11,254	52.0	25	14.2	19	11.6	40	26.2	32
Transylvania.....	25,374	39.3	71	10.0	56	9.4	70	20.0	71
Tyrrell .....	3,905	54.9	18	22.7	1	15.3	8	16.9	90
Union.....	81,189	41.8	55	10.2	49	9.5	68	22.1	54
Vance .....	38,566	62.2	7	16.7	8	15.1	10	30.4	14
Wake .....	399,035	31.2	96	7.5	73	9.6	65	14.1	100
Warren.....	17,071	70.1	2	19.8	4	19.3	1	31.0	12
Washington .....	14,028	41.7	56	8.8	62	8.8	83	24.1	45
Watauga .....	36,226	26.8	99	2.2	98	8.5	87	16.1	93
Wayne .....	102,777	47.1	39	14.4	18	11.4	44	21.3	63
Wilkes.....	59,217	41.7	56	6.2	84	9.3	75	26.3	30
Wilson.....	65,259	58.4	13	16.7	8	15.8	5	25.8	36
Yadkin .....	29,961	31.9	95	6.0	89	9.0	80	16.9	90
Yancey .....	15,379	30.5	97	3.6	96	9.4	70	17.5	88
North Dakota .....	654,270	28.3		7.2		7.6		13.5	
Adams .....	3,368	21.7	40	0.0	43	5.4	43	16.3	25
Barnes .....	12,898	30.9	20	3.7	33	8.0	18	19.2	13
Benson .....	7,465	89.9	2	45.0	2	8.6	16	36.3	3
Billings.....	1,146	3.5	53	0.0	43	3.5	51	0.0	53
Bottineau .....	8,376	35.7	13	8.1	13	8.6	16	19.0	14
Bowman .....	3,816	26.5	26	0.0	43	6.0	38	20.5	11
Burke .....	3,244	24.5	32	2.5	35	9.1	11	12.9	31
Burleigh .....	60,312	22.9	35	5.7	24	6.9	27	10.3	43
Cass .....	101,459	22.6	36	6.9	22	7.9	19	7.8	51
Cavalier .....	6,483	35.7	13	7.1	20	5.2	44	23.4	9
Dickey.....	6,464	20.6	44	1.5	39	7.2	23	11.9	36
Divide .....	3,063	23.9	33	0.0	43	6.5	31	17.4	19
Dunn .....	4,272	44.2	8	2.4	36	4.4	48	37.4	2
Eddy .....	3,075	22.2	38	4.0	29	4.7	47	13.5	30
Emmons .....	5,105	37.2	9	11.6	9	7.5	21	18.1	17
Foster .....	4,160	53.6	5	14.3	5	12.5	2	26.8	8
Golden Valley.....	2,234	16.8	49	0.0	43	6.2	36	10.6	41
Grand Forks .....	70,548	26.0	28	8.1	13	7.1	25	10.8	39
Grant .....	3,776	30.9	20	11.9	8	6.9	27	12.1	32
Griggs.....	3,434	45.9	7	4.0	29	12.0	4	29.9	5
Hettinger.....	3,683	15.5	50	0.0	43	6.3	33	9.2	47
Kidder .....	3,449	21.8	39	0.0	43	5.1	46	16.8	22
La Moure .....	5,664	19.2	45	0.0	43	7.2	23	12.1	32
Logan .....	2,973	13.4	52	1.5	39	5.7	40	6.2	52
McHenry .....	6,859	33.7	15	8.8	12	9.2	10	15.7	27
McIntosh.....	4,218	21.5	41	2.4	36	5.5	42	13.6	29
McKenzie.....	6,925	47.0	6	7.9	16	10.4	7	28.7	6
McLean.....	10,997	32.2	16	3.8	32	11.6	5	16.8	22
Mercer .....	10,436	31.5	18	5.5	26	6.6	30	19.3	12
Morton .....	24,429	30.1	22	7.0	21	6.3	33	16.8	22
Mountrail.....	7,405	56.7	4	14.0	6	12.1	3	30.6	4
Nelson .....	4,626	21.2	42	6.8	23	5.6	41	8.7	49
Oliver .....	2,465	18.7	46	0.0	43	7.8	20	10.9	38
Pembina .....	9,518	31.7	17	15.1	4	6.9	27	9.7	46
Pierce .....	5,349	22.5	37	7.4	18	6.3	33	8.8	48
Ramsey .....	12,795	21.1	43	1.7	38	8.7	15	10.8	39
Ransom .....	6,153	24.9	30	3.9	31	9.8	8	11.3	37
Renville.....	3,321	27.1	25	9.5	10	9.5	9	8.2	50
Richland .....	18,677	27.5	24	8.1	13	8.9	14	10.5	42

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Rolette.....	13,006	59.0	3	21.5	3	9.0	13	28.5	7
Sargent.....	4,779	14.6	51	0.7	42	3.7	50	10.2	44
Sheridan.....	2,267	17.0	48	0.0	43	2.6	53	14.4	28
Sioux.....	3,703	150.9	1	77.8	1	11.4	6	61.7	1
Slope.....	983	18.6	47	0.0	43	2.7	52	15.9	26
Stark.....	23,824	23.6	34	7.3	19	6.2	36	10.1	45
Steele.....	2,547	27.8	23	5.0	28	5.8	39	17.0	20
Stutsman.....	22,728	26.2	27	7.8	17	6.4	32	12.1	32
Towner.....	3,760	31.4	19	3.4	34	5.2	44	22.8	10
Trails.....	9,065	25.5	29	1.1	41	7.5	21	16.9	21
Walsh.....	14,381	36.0	12	5.3	27	12.7	1	17.9	18
Ward.....	59,426	24.7	31	5.6	25	7.0	26	12.1	32
Wells.....	6,175	36.4	11	13.4	7	4.1	49	19.0	14
Williams.....	22,987	36.6	10	9.0	11	9.1	11	18.5	16
Ohio.....	10,793,925	29.3		4.4		10.3		14.5	
Adams.....	24,917	40.5	2	7.9	1	8.9	54	23.7	2
Allen.....	109,626	31.1	21	3.2	30	9.5	38	18.3	22
Ashland.....	47,033	26.1	63	2.3	55	7.8	74	16.0	38
Ashtabula.....	100,154	32.7	11	2.7	46	9.4	40	20.6	11
Athens.....	58,978	26.7	59	1.9	67	11.8	6	13.0	78
Auglaize.....	43,983	25.5	68	2.0	63	8.4	63	15.1	55
Belmont.....	73,135	25.0	75	1.4	77	8.5	59	15.0	57
Brown.....	34,278	31.1	21	4.2	16	7.4	79	19.5	14
Butler.....	284,009	31.6	18	6.0	7	10.6	15	14.9	58
Carroll.....	26,435	23.9	80	2.0	63	7.9	73	14.1	67
Champaign.....	35,164	25.6	67	1.1	84	9.1	46	15.4	51
Clark.....	147,207	28.4	36	3.6	23	11.2	10	13.6	73
Clermont.....	145,464	27.1	55	2.5	52	9.0	51	15.6	47
Clinton.....	34,950	29.3	33	3.7	22	9.8	31	15.8	41
Columbiana.....	108,835	27.1	55	1.2	81	9.4	40	16.5	34
Coshocton.....	35,388	35.7	6	3.4	26	11.5	8	20.8	9
Crawford.....	48,139	30.6	26	1.5	74	9.6	37	19.4	15
Cuyahoga.....	1,429,958	35.8	5	7.1	5	12.3	3	16.4	35
Darke.....	53,480	26.5	60	2.8	43	8.0	69	15.7	44
Defiance.....	39,163	32.0	15	3.4	26	8.7	57	19.9	13
Delaware.....	63,609	25.4	69	2.7	46	8.2	66	14.5	63
Erie.....	76,700	31.0	23	4.4	14	9.7	35	16.9	29
Fairfield.....	100,834	23.2	82	2.3	55	9.0	51	11.9	83
Fayette.....	27,496	28.1	40	1.9	67	7.7	75	18.4	20
Franklin.....	938,097	28.0	41	6.1	6	10.5	16	11.5	84
Fulton.....	38,245	29.5	31	1.4	77	5.6	88	22.5	4
Gallia.....	30,627	30.3	28	4.2	16	10.5	16	15.6	47
Geauga.....	78,696	19.7	88	2.1	59	8.4	63	9.3	87
Greene.....	134,404	23.7	81	4.6	12	8.9	54	10.3	85
Guernsey.....	39,300	28.4	36	3.4	26	9.4	40	15.6	47
Hamilton.....	866,768	31.4	20	7.7	2	10.7	14	13.0	78
Hancock.....	65,372	26.0	66	2.7	46	8.5	59	14.8	59
Hardin.....	31,315	28.0	41	3.0	38	10.4	19	14.6	61
Harrison.....	16,361	27.7	47	1.8	70	8.5	59	17.4	28
Henry.....	28,965	27.3	53	1.3	80	7.7	75	18.4	20
Highland.....	35,054	36.1	4	4.9	9	10.1	25	21.1	7
Hocking.....	25,204	32.0	15	3.1	35	8.1	68	20.9	8
Holmes.....	32,042	22.5	85	1.2	81	8.0	69	13.3	75
Huron.....	55,633	26.2	62	4.3	15	6.8	85	15.2	54
Jackson.....	30,287	32.3	14	3.2	30	13.3	1	15.8	41
Jefferson.....	82,302	27.8	46	3.1	35	12.1	4	12.7	80
Knox.....	47,208	25.0	75	2.2	58	10.5	16	12.3	82
Lake.....	214,398	22.8	84	3.2	30	9.5	38	10.1	86

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Lawrence.....	61,843	27.4	50	2.9	40	10.4	19	14.0	69
Licking.....	126,807	24.9	78	3.1	35	9.1	46	12.7	80
Logan.....	41,467	27.7	47	2.3	55	8.7	57	16.7	30
Lorain.....	270,591	30.4	27	4.8	10	11.4	9	14.1	67
Lucas.....	461,643	33.3	10	4.8	10	11.8	6	16.6	31
Madison.....	36,356	26.9	58	1.9	67	9.9	28	15.1	55
Mahoning.....	268,635	34.4	8	4.1	18	12.4	2	17.9	24
Marion.....	64,766	31.5	19	2.5	52	11.2	10	17.8	26
Medina.....	119,419	22.0	87	1.1	84	7.1	83	13.7	72
Meigs.....	23,175	29.4	32	2.8	43	7.2	80	19.4	15
Mercer.....	39,076	24.5	79	2.6	51	7.7	75	14.2	66
Miami.....	91,822	23.1	83	1.8	70	8.0	69	13.3	75
Monroe.....	15,882	28.0	41	2.0	63	10.3	22	15.7	44
Montgomery.....	569,808	31.7	17	5.2	8	10.8	12	15.7	44
Morgan.....	14,133	41.1	1	7.2	4	12.1	4	21.8	6
Morrow.....	27,389	33.4	9	7.3	3	6.9	84	19.2	17
Muskingum.....	82,176	28.4	36	3.2	30	9.1	46	16.0	38
Noble.....	11,444	36.6	3	1.0	86	10.4	19	25.2	1
Ottawa.....	39,917	30.7	25	1.7	72	10.0	27	19.0	18
Paulding.....	20,492	34.9	7	2.7	46	9.9	28	22.3	5
Perry.....	31,414	32.6	12	3.8	20	8.0	69	20.8	9
Pickaway.....	47,302	26.4	61	2.4	54	9.8	31	14.3	65
Pike.....	24,063	32.5	13	4.5	13	7.7	75	20.2	12
Portage.....	140,617	25.0	75	1.5	74	10.2	24	13.4	74
Preble.....	39,614	27.1	55	2.1	59	6.4	86	18.6	19
Putnam.....	33,507	26.1	63	1.0	86	7.2	80	17.9	24
Richland.....	126,463	27.4	50	3.8	20	9.8	31	13.8	71
Ross.....	68,538	25.4	69	1.2	81	8.2	66	16.0	38
Sandusky.....	61,904	28.8	34	2.1	59	8.5	59	18.2	23
Scioto.....	80,858	29.9	29	3.5	24	10.8	12	15.5	50
Seneca.....	60,061	28.7	35	2.9	40	9.2	45	16.6	31
Shelby.....	44,525	26.1	63	1.4	77	9.3	43	15.4	51
Stark.....	367,558	27.4	50	3.5	24	9.9	28	14.0	69
Summit.....	512,126	22.1	86	3.9	19	10.3	22	7.9	88
Trumbull.....	229,810	27.6	49	3.2	30	9.8	31	14.6	61
Tuscarawas.....	84,032	27.9	44	3.0	38	9.1	46	15.8	41
Union.....	31,287	29.7	30	3.4	26	9.7	35	16.6	31
Van Wert.....	30,304	25.3	71	1.7	72	5.8	87	17.8	26
Vinton.....	11,160	30.8	24	0.0	88	7.2	80	23.6	3
Warren.....	109,524	25.2	72	2.7	46	9.3	43	13.2	77
Washington.....	62,717	25.1	74	1.5	74	9.1	46	14.5	63
Wayne.....	99,668	27.2	54	2.8	43	9.0	51	15.4	51
Williams.....	36,655	27.9	44	2.9	40	8.9	54	16.1	36
Wood.....	111,710	25.2	72	2.0	63	8.4	63	14.8	59
Wyandot.....	22,452	28.3	39	2.1	59	10.1	25	16.1	36
Oklahoma.....	3,185,474	33.7		4.9		9.2		19.6	
Adair.....	18,480	49.7	6	1.9	62	12.5	3	35.3	3
Alfalfa.....	6,704	22.1	74	1.3	68	6.0	72	14.8	70
Atoka.....	12,932	26.5	66	4.6	37	5.5	76	16.5	64
Beaver.....	6,367	29.7	56	0.0	71	7.6	55	22.1	35
Beckham.....	19,848	37.9	28	7.3	12	9.1	38	21.5	38
Blaine.....	12,106	48.1	8	8.3	7	11.1	14	28.7	12
Bryan.....	32,168	35.1	41	5.4	25	10.0	28	19.7	45
Caddo.....	30,534	43.9	13	4.0	44	10.5	20	29.4	9
Canadian.....	73,128	23.7	72	1.7	63	6.4	70	15.5	68
Carter.....	44,298	43.8	14	7.8	9	10.6	19	25.4	24
Cherokee.....	33,772	35.8	36	5.4	25	8.7	41	21.6	37
Choctaw.....	15,577	54.9	3	12.8	2	13.1	1	29.0	10

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Cimarron.....	3,396	42.4	17	7.2	15	10.5	20	24.7	27
Cleveland .....	170,261	24.1	70	3.0	54	8.0	51	13.2	73
Coal .....	5,865	45.3	11	8.2	8	10.7	18	26.4	19
Comanche.....	113,358	35.8	36	7.3	12	10.3	24	18.2	57
Cotton.....	6,786	22.3	73	5.7	22	7.1	64	9.4	77
Craig.....	14,346	44.5	12	4.9	32	11.7	7	27.9	16
Creek.....	62,770	32.6	48	3.3	51	8.5	43	20.8	40
Custer.....	27,859	30.5	54	4.6	37	7.0	66	18.9	49
Delaware .....	27,603	40.6	19	4.4	41	8.2	48	28.0	15
Dewey .....	5,797	57.8	2	5.6	23	10.9	16	41.3	1
Ellis.....	4,906	34.4	45	0.0	71	7.4	57	27.1	17
Garfield.....	59,474	28.8	60	3.2	53	8.4	45	17.2	63
Garvin.....	27,629	37.4	29	3.0	54	9.5	34	24.9	26
Grady.....	42,660	31.0	52	3.3	51	7.9	53	19.8	43
Grant .....	6,016	17.2	77	1.4	67	5.7	74	10.1	75
Greer .....	6,738	26.5	66	2.2	61	8.0	51	16.3	66
Harmon.....	3,995	27.3	62	0.0	71	8.5	43	18.8	50
Harper .....	4,256	21.1	75	0.0	71	11.4	11	9.7	76
Haskell.....	11,146	46.4	10	7.4	11	8.1	50	30.9	5
Hughes.....	13,374	37.1	32	4.5	40	8.3	47	24.4	28
Jackson .....	29,592	27.2	63	1.2	69	10.5	20	15.5	68
Jefferson.....	7,395	47.9	9	14.1	1	7.4	57	26.4	19
Johnston.....	10,193	34.7	44	5.4	25	11.6	9	17.8	58
Kay .....	49,250	31.5	50	3.7	45	9.9	29	17.8	58
Kingfisher .....	14,018	26.4	69	2.5	58	7.5	56	16.4	65
Kiowa.....	11,640	35.7	38	4.3	42	6.9	68	24.4	28
Latimer .....	10,261	39.5	22	6.6	17	7.0	66	25.9	23
Le Flore .....	42,763	43.2	16	5.4	25	11.2	12	26.7	18
Lincoln.....	29,342	30.6	53	3.7	45	8.2	48	18.7	52
Logan .....	29,547	31.1	51	1.5	66	10.3	24	19.3	47
Love .....	8,082	36.9	34	4.7	34	10.2	26	22.0	36
McClain .....	23,211	35.1	41	1.6	64	7.3	60	26.2	21
McCurtain.....	33,864	58.0	1	7.7	10	12.1	5	38.2	2
McIntosh.....	16,978	38.9	24	9.3	6	11.8	6	17.8	58
Major .....	8,337	20.2	76	0.0	71	7.2	61	13.0	74
Marshall.....	10,967	53.5	4	12.8	2	10.4	23	30.3	6
Mayes.....	33,631	37.3	30	3.4	49	11.2	12	22.7	31
Murray .....	12,384	49.0	7	9.4	5	11.1	14	28.5	13
Muskogee.....	68,731	40.6	19	6.8	16	10.1	27	23.8	30
Noble.....	11,340	38.5	26	2.5	58	10.9	16	25.1	25
Nowata .....	10,344	33.5	46	2.3	60	11.7	7	19.5	46
Okfuskee .....	11,667	35.4	40	5.9	21	9.1	38	20.3	42
Oklahoma .....	608,263	34.8	43	6.1	20	9.7	31	19.0	48
Okmulgee.....	37,558	37.2	31	6.5	18	9.7	31	20.9	39
Osage.....	42,286	28.2	61	3.0	54	6.4	70	18.8	50
Ottawa.....	31,420	43.7	15	4.2	43	9.7	31	29.8	8
Pawnee .....	16,015	30.2	55	4.7	34	7.2	61	18.3	55
Payne .....	62,475	26.5	66	2.8	57	7.8	54	16.0	67
Pittsburg .....	41,357	40.8	18	9.5	4	9.2	36	22.2	34
Pontotoc.....	34,332	38.6	25	7.3	12	12.6	2	18.7	52
Pottawatomie.....	59,936	37.0	33	4.6	37	9.8	30	22.6	32
Pushmataha.....	11,230	38.1	27	0.0	71	9.1	38	28.9	11
Roger Mills .....	4,505	40.3	21	4.8	33	7.1	64	28.4	14
Rogers.....	54,919	29.4	58	3.4	49	7.4	57	18.6	54
Seminole.....	26,603	39.5	22	1.1	70	8.4	45	30.0	7
Sequoyah .....	33,498	36.9	34	5.6	23	11.5	10	19.8	43
Stephens.....	43,168	26.8	64	4.7	34	8.6	42	13.5	72
Texas.....	17,163	35.7	38	3.7	45	6.0	72	26.0	22
Tillman.....	10,708	50.9	5	6.4	19	12.5	3	31.9	4
Tulsa.....	504,427	32.2	49	5.2	30	9.2	36	17.7	61



Table 4

**Age-Adjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Wagoner.....	47,797	29.4	58	1.6	64	9.5	34	18.3	55
Washington.....	48,239	32.8	47	5.2	30	6.8	69	20.8	40
Washita.....	12,336	23.9	71	5.4	25	4.4	77	14.1	71
Woods.....	9,546	29.5	57	0.0	71	7.2	61	22.3	33
Woodward.....	20,007	26.8	64	3.5	48	5.7	74	17.5	62
Oregon.....	2,752,002	36.8		9.3		8.1		19.4	
Baker.....	15,343	33.9	26	8.3	17	6.1	33	19.5	26
Benton.....	68,824	25.5	33	3.4	33	7.7	18	14.4	33
Clackamas.....	266,136	30.5	29	6.9	23	7.6	20	16.0	30
Clatsop.....	32,640	41.9	11	14.7	4	6.4	30	20.8	20
Columbia.....	36,482	38.1	18	6.5	28	8.4	11	23.2	14
Coos.....	59,274	48.3	6	10.7	10	9.8	4	27.7	8
Crook.....	13,585	38.0	19	7.3	21	8.8	9	21.9	17
Curry.....	17,965	41.9	11	7.6	20	7.3	25	26.9	10
Deschutes.....	71,882	39.9	16	6.8	25	9.1	5	23.9	11
Douglas.....	92,336	39.4	17	8.4	16	8.2	14	22.7	15
Gilliam.....	1,761	26.6	32	0.0	35	10.7	1	15.9	32
Grant.....	7,862	54.0	4	11.1	7	3.3	36	39.5	2
Harney.....	6,979	62.8	2	18.9	1	8.5	10	35.4	4
Hood River.....	16,510	23.1	35	4.1	32	6.3	31	12.7	35
Jackson.....	140,983	38.0	19	10.6	11	7.6	20	19.8	24
Jefferson.....	13,081	69.8	1	14.8	3	7.4	23	47.5	1
Josephine.....	61,125	40.7	15	9.6	12	7.7	18	23.4	12
Klamath.....	56,876	48.1	7	11.0	8	9.9	3	27.2	9
Lake.....	7,131	56.3	3	12.0	6	8.4	11	35.9	3
Lane.....	274,007	33.1	28	6.9	23	8.4	11	17.8	29
Lincoln.....	37,333	41.3	13	9.6	12	9.0	6	22.7	15
Linn.....	88,973	34.1	25	5.7	29	7.1	26	21.3	18
Malheur.....	26,460	34.6	23	7.7	19	7.4	23	19.5	26
Marion.....	220,323	34.9	22	7.0	22	8.1	15	19.9	21
Morrow.....	7,811	47.7	8	8.6	15	5.7	34	33.3	6
Multnomah.....	573,253	45.7	9	16.9	2	9.0	6	19.8	24
Polk.....	47,714	26.9	31	4.2	31	6.7	29	16.0	30
Sherman.....	1,976	23.0	36	11.0	8	3.6	35	8.4	36
Tillamook.....	21,065	50.3	5	12.5	5	7.5	22	30.3	7
Umatilla.....	58,964	42.6	10	9.1	14	10.1	2	23.4	12
Union.....	23,342	33.3	27	6.6	26	6.9	27	19.9	21
Wallowa.....	6,942	38.0	19	8.1	18	9.0	6	20.9	19
Wasco.....	21,536	34.5	24	6.6	26	8.0	16	19.9	21
Washington.....	291,878	25.2	34	5.2	30	6.8	28	13.1	34
Wheeler.....	1,445	41.2	14	0.0	35	6.3	31	34.8	5
Yamhill.....	62,208	29.9	30	3.0	34	8.0	16	18.9	28
Pennsylvania.....	11,838,394	30.3		4.4		10.6		15.3	
Adams.....	75,690	27.0	47	2.8	37	7.7	60	16.5	33
Allegheny.....	1,353,695	27.5	41	4.9	8	11.3	6	11.3	65
Armstrong.....	74,491	25.3	54	1.6	59	9.2	34	14.5	46
Beaver.....	188,767	25.0	57	3.1	25	9.6	26	12.3	60
Bedford.....	47,669	29.0	29	2.3	51	8.3	54	18.4	21
Berks.....	330,143	26.8	48	3.1	25	9.0	37	14.7	44
Blair.....	131,120	29.4	26	4.0	12	10.2	16	15.2	41
Bradford.....	61,228	33.7	9	2.3	51	8.9	42	22.4	6
Bucks.....	527,059	26.0	51	3.0	30	9.4	30	13.6	53
Butler.....	150,845	27.4	45	2.6	42	8.4	51	16.4	34
Cambria.....	166,518	28.1	35	3.8	16	10.6	12	13.7	52
Cameron.....	6,003	51.2	2	13.7	1	9.0	37	28.5	1
Carbon.....	55,689	31.6	18	2.9	34	10.2	16	18.4	21

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Centre.....	121,321	21.2	66	3.1	25	8.5	48	9.7	67
Chester.....	360,295	24.9	59	2.7	39	8.8	43	13.4	54
Clarion.....	42,003	23.9	62	1.3	60	8.4	51	14.2	47
Clearfield.....	79,064	32.6	15	3.6	18	10.0	19	19.1	17
Clinton.....	37,318	31.8	17	3.0	30	11.0	11	17.9	25
Columbia.....	62,854	25.2	56	2.5	45	9.3	32	13.4	54
Crawford.....	86,816	27.8	39	2.4	48	8.7	45	16.6	32
Cumberland.....	191,849	20.6	67	2.4	48	8.2	55	10.0	66
Dauphin.....	236,109	28.3	34	3.3	20	10.0	19	15.0	42
Delaware.....	549,086	29.9	24	6.2	4	11.1	9	12.6	59
Elk.....	35,613	30.6	22	5.2	6	10.4	14	15.0	42
Erie.....	276,914	29.1	28	3.9	14	11.3	6	13.8	51
Fayette.....	148,080	34.3	6	3.5	19	11.5	5	19.2	16
Forest.....	4,820	33.9	7	6.7	3	9.0	37	18.1	23
Franklin.....	119,447	29.3	27	3.0	30	9.5	29	16.7	31
Fulton.....	13,641	33.7	9	2.7	39	7.0	66	24.0	3
Greene.....	40,031	27.5	41	2.6	42	8.5	48	16.4	34
Huntingdon.....	43,799	31.0	20	1.1	63	9.9	24	20.0	14
Indiana.....	90,546	28.0	36	1.2	62	9.4	30	17.4	26
Jefferson.....	46,721	27.5	41	2.8	37	8.6	47	16.1	37
Juniata.....	20,329	28.9	30	0.8	65	7.6	61	20.5	12
Lackawanna.....	220,242	28.5	33	4.6	9	12.1	2	11.7	63
Lancaster.....	408,575	22.1	65	2.0	56	8.0	57	12.1	61
Lawrence.....	97,790	26.4	49	2.3	51	10.0	19	14.1	49
Lebanon.....	112,367	24.5	61	2.9	34	8.7	45	12.9	58
Lehigh.....	286,241	24.6	60	2.6	42	8.5	48	13.4	54
Luzerne.....	329,236	30.8	21	5.3	5	11.2	8	14.2	47
Lycoming.....	117,687	27.8	39	3.1	25	9.0	37	15.7	38
McKean.....	47,745	27.9	37	4.6	9	7.8	58	15.5	40
Mercer.....	122,197	28.7	32	3.8	16	9.1	35	15.7	38
Mifflin.....	46,124	25.3	54	0.9	64	7.5	62	16.9	28
Monroe.....	88,614	34.9	5	4.4	11	10.0	19	20.4	13
Montgomery.....	669,644	23.6	64	3.2	22	8.8	43	11.6	64
Montour.....	17,547	33.7	9	2.5	45	10.4	14	20.8	10
Northampton.....	240,688	23.8	63	2.7	39	9.3	32	11.8	62
Northumberland.....	97,393	30.2	23	3.1	25	10.2	16	16.9	28
Perry.....	39,894	33.7	9	2.0	56	9.6	26	22.1	7
Philadelphia.....	1,602,031	51.3	1	10.7	2	16.7	1	23.9	4
Pike.....	25,138	28.8	31	2.4	48	7.4	63	19.0	18
Potter.....	16,957	31.6	18	2.9	34	7.3	65	21.4	9
Schuylkill.....	153,966	33.8	8	4.0	12	11.8	3	18.1	23
Snyder.....	36,004	26.2	50	0.2	67	9.0	37	16.9	28
Somerset.....	78,782	27.5	41	2.1	54	8.1	56	17.4	26
Sullivan.....	6,115	42.0	3	5.0	7	11.8	3	25.1	2
Susquehanna.....	39,833	33.0	14	1.3	60	10.0	19	21.8	8
Tioga.....	41,000	32.3	16	3.3	20	8.4	51	20.6	11
Union.....	35,619	27.9	37	1.9	58	7.4	63	18.6	20
Venango.....	60,440	29.8	25	3.9	14	9.6	26	16.2	36
Warren.....	45,529	33.1	13	3.2	22	11.1	9	18.7	19
Washington.....	207,128	25.9	52	2.1	54	9.8	25	14.0	50
Wayne.....	38,852	36.6	4	3.2	22	10.5	13	22.8	5
Westmoreland.....	373,358	25.0	57	2.5	45	9.1	35	13.4	54
Wyoming.....	27,659	27.4	45	0.7	66	6.9	67	19.8	15
York.....	332,420	25.6	53	3.0	30	7.8	58	14.7	44
Rhode Island.....	993,578	30.3		7.6		10.6		12.1	
Bristol.....	48,544	21.2	5	5.3	5	8.6	5	7.3	5
Kent.....	159,848	27.2	4	5.6	4	9.9	3	11.7	2
Newport.....	86,836	28.8	3	7.1	3	10.5	2	11.2	4

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Providence .....	591,579	32.4	1	8.3	2	11.3	1	12.9	1
Washington .....	106,771	29.4	2	8.5	1	9.4	4	11.5	3
South Carolina.....	3,416,062	47.9		10.7		12.6		24.6	
Abbeville.....	23,541	38.6	43	4.8	45	13.6	20	20.2	44
Aiken .....	118,229	51.9	23	10.0	31	12.3	27	29.6	20
Allendale .....	11,499	70.3	4	19.9	3	18.4	2	32.0	13
Anderson .....	142,722	41.4	40	7.7	37	10.3	41	23.3	33
Bamberg.....	17,306	57.3	13	11.3	25	12.5	25	33.5	7
Barnwell.....	20,320	46.6	31	3.3	46	10.9	37	32.4	11
Beaufort.....	84,165	42.5	38	12.1	23	11.7	29	18.7	46
Berkeley .....	123,822	40.7	42	6.6	38	11.6	31	22.5	36
Calhoun .....	12,657	55.9	16	14.6	9	15.4	10	25.9	30
Charleston.....	290,239	46.6	31	12.5	21	13.4	21	20.7	42
Cherokee.....	43,571	51.7	25	13.5	15	11.4	33	26.7	27
Chester.....	31,701	55.3	18	8.8	33	13.9	19	32.6	10
Chesterfield.....	38,429	52.1	22	9.8	32	11.6	31	30.7	15
Clarendon.....	28,167	62.1	9	14.5	10	15.4	10	32.2	12
Colleton.....	34,022	57.3	13	11.3	25	15.3	12	30.7	15
Darlington.....	61,990	60.3	10	14.8	8	14.4	16	31.1	14
Dillon .....	29,406	71.6	3	16.9	4	15.8	9	38.9	2
Dorchester.....	78,653	38.6	43	6.3	39	10.8	38	21.5	38
Edgefield.....	18,051	64.0	8	20.7	1	13.1	23	30.2	18
Fairfield.....	21,775	66.3	5	16.1	5	12.8	24	37.4	4
Florence .....	113,588	52.2	21	10.2	30	14.7	14	27.3	25
Georgetown.....	45,425	64.1	7	15.1	7	15.9	8	33.1	8
Greenville.....	312,735	41.6	39	10.3	29	9.9	42	21.5	38
Greenwood.....	58,968	50.0	28	15.6	6	11.7	29	22.7	35
Hampton.....	18,194	57.2	15	12.7	19	17.0	5	27.5	24
Horry.....	137,380	45.9	35	8.0	36	9.3	45	28.6	22
Jasper.....	15,276	76.0	1	13.6	14	18.2	3	44.2	1
Kershaw .....	42,376	52.5	20	11.4	24	14.0	18	27.1	26
Lancaster .....	54,058	40.9	41	5.2	44	9.5	44	26.2	29
Laurens .....	56,883	46.6	31	11.3	25	10.8	38	24.5	31
Lee .....	18,555	47.2	30	6.1	40	14.6	15	26.5	28
Lexington.....	163,906	37.3	45	5.9	42	10.8	38	20.6	43
McCormick.....	8,544	49.8	29	13.3	16	7.9	46	28.7	21
Marion .....	33,886	58.4	12	10.5	28	17.6	4	30.3	17
Marlboro .....	29,768	65.8	6	12.6	20	15.2	13	38.0	3
Newberry.....	32,725	45.0	36	12.2	22	11.4	33	21.5	38
Oconee.....	55,482	55.5	17	14.5	10	11.2	36	29.7	19
Orangeburg.....	84,463	74.9	2	20.5	2	21.3	1	33.1	8
Pickens.....	91,155	34.5	46	6.0	41	9.6	43	18.8	45
Richland.....	280,185	50.8	27	13.3	16	16.1	7	21.4	41
Saluda .....	16,552	51.7	25	5.3	43	12.0	28	34.4	5
Spartanburg.....	221,803	44.7	37	8.3	35	12.5	25	23.9	32
Sumter.....	100,250	51.9	23	14.5	10	14.4	16	23.0	34
Union.....	30,297	55.2	19	13.7	13	13.4	21	28.2	23
Williamsburg.....	37,021	59.8	11	8.5	34	17.0	5	34.4	5
York.....	126,323	46.2	34	13.0	18	11.3	35	21.9	37
South Dakota.....	696,641	33.1		7.3		7.8		18.0	
Aurora.....	3,197	27.5	36	4.3	30	12.1	7	11.0	56
Beadle.....	18,375	26.1	39	5.5	23	7.4	31	13.2	45
Bennett.....	3,222	74.6	8	28.5	5	10.1	12	35.9	10
Bon Homme.....	7,095	29.1	31	8.2	18	8.0	27	12.9	46
Brookings.....	25,240	17.7	60	3.5	34	4.8	55	9.3	61
Brown.....	35,872	23.1	46	3.0	39	8.6	20	11.5	53

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Brule.....	5,569	17.0	61	0.0	48	8.0	27	9.1	62
Buffalo.....	1,694	82.6	6	16.2	10	14.3	5	52.1	5
Butte.....	7,994	33.5	25	5.9	22	6.7	37	21.0	25
Campbell.....	2,022	19.2	57	0.0	48	5.5	48	13.7	41
Charles Mix.....	9,240	53.5	12	18.5	8	6.7	37	28.4	15
Clark.....	4,532	29.1	31	0.0	48	8.8	18	20.3	26
Clay.....	13,157	22.2	49	2.0	45	6.7	37	13.5	42
Codington.....	22,602	18.5	59	3.4	36	5.8	45	9.4	60
Corson.....	4,400	99.2	4	27.5	7	9.5	15	62.2	3
Custer.....	6,301	24.5	42	2.4	42	6.4	41	15.6	39
Davison.....	17,552	29.8	29	4.3	30	7.4	31	18.0	32
Day.....	7,254	50.6	13	16.3	9	8.7	19	25.6	21
Deuel.....	4,673	41.1	17	3.9	32	9.2	16	28.0	17
Dewey.....	5,543	92.7	5	31.1	4	10.1	12	51.5	6
Douglas.....	3,845	16.6	62	0.0	48	4.9	54	11.7	52
Edmunds.....	4,548	40.0	18	0.0	48	12.9	6	27.1	19
Fall River.....	7,549	64.3	9	15.7	12	16.5	3	32.2	12
Faulk.....	2,870	19.9	55	0.0	48	11.8	8	8.1	63
Grant.....	8,500	34.2	22	3.2	37	7.3	33	23.7	23
Gregory.....	5,488	26.6	38	2.8	40	6.3	42	17.5	36
Haakon.....	2,698	21.6	51	0.0	48	5.1	52	16.4	38
Hamlin.....	5,051	23.5	45	0.0	48	5.5	48	18.0	32
Hand.....	4,410	20.0	54	5.5	23	6.5	40	7.9	64
Hanson.....	3,068	33.7	24	4.8	27	1.5	66	27.4	18
Harding.....	1,709	15.8	64	0.0	48	4.0	57	11.8	50
Hughes.....	14,747	22.5	48	0.6	47	4.4	56	17.4	37
Hutchinson.....	8,456	16.1	63	0.0	48	5.8	45	10.4	57
Hyde.....	1,777	31.8	26	0.0	48	3.1	60	28.6	14
Jackson.....	2,954	59.4	11	15.9	11	10.8	10	32.7	11
Jerauld.....	2,511	20.7	53	3.2	37	3.1	60	14.4	40
Jones.....	1,392	8.9	66	0.0	48	2.4	63	6.5	66
Kingsbury.....	6,057	28.7	34	7.6	20	7.8	29	13.3	44
Lake.....	10,678	25.6	41	8.7	16	5.7	47	11.2	54
Lawrence.....	20,376	30.4	28	3.9	32	8.2	24	18.3	30
Lincoln.....	15,134	21.7	50	5.3	25	5.2	51	11.2	54
Lyman.....	3,670	36.9	20	6.4	21	2.1	64	28.3	16
McCook.....	5,809	29.0	33	0.0	48	8.9	17	20.1	27
McPherson.....	3,315	29.8	29	2.1	44	10.0	14	17.7	35
Marshall.....	4,945	45.1	16	0.0	48	5.1	52	40.0	9
Meade.....	21,859	19.3	56	2.6	41	6.3	42	10.3	58
Mellette.....	2,175	120.9	3	59.7	3	16.5	3	44.7	8
Miner.....	3,344	27.0	37	7.7	19	6.9	36	12.4	48
Minnehaha.....	121,788	24.0	43	3.5	34	8.2	24	12.2	49
Moody.....	6,566	21.0	52	4.5	29	3.9	58	12.5	47
Pennington.....	78,902	34.7	21	8.3	17	8.1	26	18.3	30
Perkins.....	4,096	26.1	39	0.0	48	7.2	34	18.9	29
Potter.....	3,298	49.7	14	0.0	48	2.9	62	46.8	7
Roberts.....	10,166	60.3	10	27.9	6	5.9	44	26.5	20
Sanborn.....	2,933	34.0	23	5.1	26	3.9	58	24.9	22
Shannon.....	10,377	218.4	1	116.6	1	22.8	1	79.0	1
Spink.....	8,248	22.9	47	0.0	48	11.0	9	11.8	50
Stanley.....	2,490	30.8	27	0.0	48	7.5	30	23.3	24
Sully.....	1,681	11.4	65	0.0	48	1.6	65	9.8	59
Todd.....	7,967	158.8	2	65.7	2	20.4	2	72.7	2
Tripp.....	7,050	46.1	15	11.1	14	5.5	48	29.5	13
Turner.....	8,680	18.7	58	4.6	28	7.2	34	6.9	65
Union.....	10,228	23.7	44	1.7	46	8.6	20	13.4	43
Walworth.....	6,286	38.9	19	11.5	13	8.3	22	19.0	28
Yankton.....	19,138	28.7	34	2.3	43	8.3	22	18.0	32
Ziebach.....	2,277	78.4	7	8.8	15	10.6	11	59.0	4

Table 4

**Age-Adjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Tennessee.....	4,815,557	38.8		5.6		10.8		22.4	
Anderson.....	67,681	32.5	81	2.8	83	9.8	55	19.9	77
Bedford.....	30,001	37.1	60	5.6	34	9.4	67	22.1	68
Benton.....	14,635	40.9	44	5.4	39	10.8	33	24.6	43
Bledsoe.....	9,628	57.3	4	9.2	4	11.6	25	36.5	8
Blount.....	84,355	31.6	90	4.7	50	8.3	82	18.6	83
Bradley.....	72,351	34.3	75	1.6	90	10.9	32	21.8	70
Campbell.....	35,274	36.3	65	5.9	31	9.9	52	20.5	73
Cannon.....	10,451	45.8	24	5.0	45	10.6	38	30.2	21
Carroll.....	27,630	40.0	48	4.0	59	7.7	90	28.3	26
Carter.....	51,516	40.3	46	6.9	18	10.3	46	23.1	57
Cheatham.....	25,841	39.5	50	3.8	64	10.8	33	25.0	41
Chester.....	12,828	34.3	75	3.4	75	6.2	95	24.6	43
Claiborne.....	25,994	43.5	33	4.3	53	13.8	4	25.4	37
Clay.....	7,308	50.7	14	5.6	34	19.5	1	25.5	36
Cocke.....	29,070	47.3	20	3.5	72	12.3	13	31.4	18
Coffee.....	40,033	32.5	81	6.2	24	9.4	67	16.9	92
Crockett.....	13,670	32.9	80	0.0	92	7.9	88	25.0	41
Cumberland.....	33,368	41.1	43	8.3	9	10.6	38	22.2	67
Davidson.....	504,372	43.7	32	8.8	6	11.7	22	23.2	55
Decatur.....	10,659	53.5	7	6.4	23	7.6	92	39.5	5
De Kalb.....	14,279	47.5	19	7.4	14	6.9	94	33.2	14
Dickson.....	33,759	45.3	29	4.4	52	12.8	9	28.1	27
Dyer.....	34,533	36.5	63	2.8	83	10.7	36	23.0	59
Fayette.....	25,376	46.2	22	2.9	81	12.1	17	31.2	19
Fentress.....	14,795	41.4	42	6.7	20	9.4	67	25.3	39
Franklin.....	34,235	32.4	83	4.9	47	9.4	67	18.1	85
Gibson.....	46,972	35.9	70	3.5	72	10.4	43	22.0	69
Giles.....	25,427	51.4	13	5.9	31	10.7	36	34.8	13
Grainger.....	17,070	41.5	41	5.5	36	12.3	13	23.8	50
Greene.....	55,975	40.4	45	5.4	39	9.6	61	25.4	37
Grundy.....	13,551	58.0	3	6.2	24	15.5	2	36.3	10
Hamblen.....	50,767	41.6	39	7.1	16	12.0	19	22.6	62
Hamilton.....	282,947	36.0	69	6.8	19	10.5	41	18.7	81
Hancock.....	6,770	54.7	6	6.6	22	11.7	22	36.5	8
Hardeman.....	23,384	52.5	9	4.1	56	12.3	13	36.1	11
Hardin.....	22,506	51.9	12	8.5	8	10.6	38	32.8	15
Hawkins.....	44,417	37.6	57	4.7	50	9.7	57	23.2	55
Haywood.....	19,622	46.1	23	3.4	75	12.4	11	30.4	20
Henderson.....	21,782	45.6	26	3.8	64	12.9	8	28.8	25
Henry.....	28,090	44.1	30	5.7	33	10.4	43	27.9	28
Hickman.....	16,438	42.7	36	7.2	15	8.3	82	27.3	32
Houston.....	6,956	45.8	24	0.0	92	8.7	78	37.1	6
Humphreys.....	15,766	41.6	39	8.3	9	10.8	33	22.4	66
Jackson.....	9,268	52.7	8	2.1	89	10.1	50	40.6	3
Jefferson.....	32,866	32.3	84	6.2	24	9.1	71	17.0	91
Johnson.....	13,902	40.0	48	7.0	17	7.2	93	25.7	35
Knox.....	332,502	34.7	74	6.0	29	9.9	52	18.8	80
Lake.....	7,301	38.6	53	9.5	3	14.3	3	14.8	94
Lauderdale.....	23,671	59.7	2	2.5	86	11.9	21	45.3	1
Lawrence.....	35,083	34.3	75	3.1	79	8.6	80	22.6	62
Lewis.....	9,339	43.4	34	2.5	86	13.1	6	27.8	29
Lincoln.....	27,728	37.4	59	4.2	54	8.7	78	24.5	45
Loudon.....	30,751	36.2	66	2.7	85	10.3	46	23.1	57
McMinn.....	42,375	37.1	60	4.2	54	9.7	57	23.3	54
McNairy.....	22,425	52.1	11	5.2	44	10.0	51	36.9	7
Macon.....	15,816	46.6	21	11.0	2	11.3	26	24.2	47
Madison.....	77,626	39.2	51	8.7	7	10.5	41	20.0	76
Marion.....	24,668	45.5	27	5.3	43	13.1	6	27.1	33

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Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Marshall.....	21,194	37.9	55	3.9	63	10.4	43	23.6	51
Maury.....	54,084	36.2	66	4.9	47	12.6	10	18.6	83
Meigs.....	7,814	49.1	16	9.2	4	12.3	13	27.7	30
Monroe.....	30,278	43.8	31	2.9	81	12.0	19	29.0	23
Montgomery.....	96,365	32.1	87	3.6	70	11.1	28	17.4	88
Moore.....	4,687	18.1	95	0.0	92	12.1	17	5.9	95
Morgan.....	17,075	38.8	52	5.4	39	9.5	65	23.9	48
Obion.....	32,076	31.8	89	1.4	91	9.9	52	20.5	73
Overton.....	17,598	47.6	18	6.7	20	8.1	85	32.8	15
Perry.....	6,510	52.5	9	3.1	79	8.4	81	41.1	2
Pickett.....	4,544	45.5	27	7.7	12	8.8	76	29.0	23
Polk.....	13,614	50.2	15	4.0	59	11.1	28	35.1	12
Putnam.....	50,638	30.7	92	3.7	67	8.1	85	18.9	79
Rhea.....	24,257	36.7	62	6.1	28	8.0	87	22.6	62
Roane.....	47,498	35.7	71	5.0	45	8.9	74	21.8	70
Robertson.....	40,249	43.0	35	6.2	24	11.7	22	25.1	40
Rutherford.....	111,177	33.7	78	5.4	39	10.3	46	18.1	85
Scott.....	18,776	37.6	57	3.6	70	11.3	26	22.8	60
Sequatchie.....	8,818	36.5	63	2.3	88	10.3	46	23.9	48
Sevier.....	49,005	33.2	79	4.1	56	9.6	61	19.5	78
Shelby.....	815,885	42.7	36	6.0	29	13.3	5	23.4	52
Smith.....	14,234	38.2	54	4.0	59	9.7	57	24.5	45
Stewart.....	9,361	31.5	91	0.0	92	9.1	71	22.5	65
Sullivan.....	143,594	35.3	72	4.1	56	11.1	28	20.2	75
Sumner.....	99,440	32.2	85	4.0	59	9.5	65	18.7	81
Tipton.....	36,353	40.3	46	3.4	75	11.0	31	25.8	34
Trousdale.....	5,857	62.0	1	25.1	1	9.6	61	27.4	31
Unicoi.....	16,593	30.0	93	3.8	64	8.9	74	17.2	90
Union.....	13,208	56.7	5	7.5	13	9.0	73	40.2	4
Van Buren.....	4,868	42.6	38	3.3	78	7.7	90	31.6	17
Warren.....	32,769	31.9	88	3.5	72	7.9	88	20.6	72
Washington.....	92,145	35.2	73	8.3	9	9.7	57	17.3	89
Wayne.....	13,996	47.8	17	5.5	36	12.4	11	29.9	22
Weakley.....	32,192	32.2	85	5.5	36	8.8	76	17.9	87
White.....	19,960	37.7	56	4.8	49	9.6	61	23.4	52
Williamson.....	76,498	28.0	94	3.7	67	8.3	82	15.9	93
Wilson.....	64,941	36.2	66	3.7	67	9.8	55	22.7	61
Texas.....	16,730,189	35.9		4.7		10.2		21.0	
Anderson.....	47,444	34.0	161	3.1	145	8.8	139	22.2	145
Andrews.....	14,960	19.6	247	2.5	166	4.6	242	12.5	243
Angelina.....	69,531	37.0	117	2.6	162	10.7	53	23.8	117
Aransas.....	17,768	37.4	114	7.1	34	8.7	145	21.5	154
Archer.....	7,961	31.3	191	1.5	199	7.8	183	22.0	147
Armstrong.....	2,015	40.2	77	12.4	6	5.2	238	22.6	139
Atascosa.....	29,738	40.3	75	3.1	145	12.6	26	24.7	97
Austin.....	20,153	36.6	121	2.6	162	9.7	97	24.3	105
Bailey.....	7,335	28.6	212	0.0	213	4.0	244	24.6	100
Bandera.....	9,976	53.2	14	10.9	8	8.7	145	33.6	25
Bastrop.....	36,803	36.5	124	2.1	180	8.6	152	25.8	82
Baylor.....	4,516	38.5	100	1.6	195	9.4	108	27.5	65
Bee.....	25,553	29.6	204	3.6	125	8.6	152	17.4	210
Bell.....	185,439	33.2	169	3.4	133	9.3	111	20.6	171
Bexar.....	1,159,901	37.8	106	6.2	46	11.1	42	20.5	173
Blanco.....	5,843	44.5	43	9.3	14	8.0	172	27.2	69
Borden.....	833	77.1	2	21.0	1	4.9	240	51.1	3
Bosque.....	14,830	47.1	33	5.9	51	9.3	111	32.0	32
Bowie.....	81,440	35.2	140	3.8	114	8.6	152	22.8	137
Brazoria.....	190,646	32.5	177	3.1	145	9.9	89	19.5	187

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Brazos .....	121,449	24.9	236	4.3	89	8.6	152	11.9	245
Brewster .....	8,503	31.0	192	0.0	213	8.6	152	22.5	141
Briscoe .....	2,064	67.6	3	0.0	213	3.2	246	64.4	1
Brooks .....	8,293	39.2	91	0.0	213	15.0	6	24.2	109
Brown .....	34,551	27.4	221	1.7	194	10.0	85	15.7	225
Burleson .....	13,872	47.1	33	1.9	186	10.7	53	34.5	18
Burnet .....	22,589	40.8	69	3.4	133	7.9	177	29.6	45
Caldwell .....	26,726	35.4	134	3.8	114	10.2	75	21.4	157
Calhoun .....	19,694	37.7	109	3.3	136	8.9	134	25.5	86
Callahan .....	11,982	32.0	184	2.7	159	9.1	124	20.2	177
Cameron .....	254,647	34.1	160	4.3	89	9.0	128	20.8	169
Camp .....	9,981	54.2	12	6.1	47	12.1	30	36.0	17
Carson .....	6,701	11.0	252	0.0	213	5.4	232	5.7	251
Cass .....	30,146	36.5	124	2.3	171	7.4	196	26.8	73
Castro .....	9,287	39.0	96	0.0	213	10.7	53	28.3	55
Chambers .....	20,484	43.1	50	2.0	182	11.8	33	29.3	46
Cherokee .....	40,725	39.5	88	5.4	59	9.8	92	24.3	105
Childress .....	6,119	37.9	103	0.0	213	9.3	111	28.6	48
Clay .....	10,104	37.9	103	4.9	71	9.1	124	23.9	114
Cochran .....	4,494	24.9	236	0.0	213	9.1	124	15.8	223
Coke .....	3,454	29.0	209	6.9	37	7.7	186	14.5	234
Coleman .....	9,981	46.1	39	4.8	73	12.8	24	28.5	49
Collin .....	242,839	26.7	225	3.7	120	8.4	159	14.6	232
Collingsworth .....	3,758	28.8	211	7.6	26	6.8	213	14.4	236
Colorado .....	18,989	39.9	83	4.6	78	11.4	38	23.9	114
Comal .....	50,056	29.7	203	1.5	199	9.9	89	18.4	201
Comanche .....	13,448	33.1	173	1.9	186	7.8	183	23.3	126
Concho .....	3,085	22.1	243	0.0	213	11.1	42	11.1	248
Cooke .....	30,106	35.0	147	2.5	166	7.7	186	24.9	95
Coryell .....	62,258	21.5	245	2.2	177	8.0	172	11.3	246
Cottle .....	2,423	35.6	132	5.6	54	5.6	229	24.4	102
Crane .....	4,829	53.6	13	8.6	16	20.0	2	25.0	93
Crockett .....	4,296	40.4	73	13.2	4	7.5	194	19.7	184
Crosby .....	7,584	31.8	188	0.0	213	8.8	139	23.0	131
Culberson .....	3,443	24.9	236	0.0	213	8.1	170	16.9	213
Dallam .....	5,896	50.5	19	2.8	156	5.5	231	42.2	8
Dallas .....	1,827,817	41.2	65	7.1	34	10.6	59	23.5	122
Dawson .....	15,122	35.3	138	2.3	171	9.8	92	23.3	126
Deaf Smith .....	19,354	32.2	183	2.8	156	7.5	194	21.9	149
Delta .....	4,810	38.8	98	1.6	195	9.6	102	27.6	63
Denton .....	249,262	25.1	235	2.6	162	8.8	139	13.7	241
De Witt .....	19,392	30.1	200	3.9	109	10.0	85	16.1	221
Dickens .....	2,697	19.2	248	10.1	10	5.8	224	3.3	252
Dimmit .....	10,773	37.5	112	7.3	30	15.0	6	15.1	229
Donley .....	3,817	47.6	28	3.7	120	10.3	71	33.6	25
Duval .....	13,165	52.2	17	7.4	28	11.1	42	33.7	23
Eastland .....	19,170	35.1	143	4.0	102	7.3	201	23.8	117
Ector .....	123,256	40.4	73	6.6	40	9.4	108	24.4	102
Edwards .....	2,214	65.3	4	0.0	213	20.1	1	45.2	4
Ellis .....	81,057	37.0	117	5.2	63	8.7	145	23.1	128
El Paso .....	571,907	34.7	153	8.0	22	11.0	46	15.7	225
Erath .....	26,970	29.8	202	1.5	199	6.8	213	21.5	154
Falls .....	17,993	42.5	56	6.0	48	13.5	17	23.0	131
Fannin .....	24,899	40.1	80	4.3	89	9.0	128	26.8	73
Fayette .....	20,383	35.4	134	2.6	162	8.1	170	24.7	97
Fisher .....	5,011	48.0	26	0.0	213	8.3	163	39.8	13
Floyd .....	8,669	20.5	246	0.0	213	5.8	224	14.7	231
Foard .....	1,869	48.7	22	0.0	213	10.1	82	38.5	14
Fort Bend .....	210,657	27.6	220	1.9	186	10.0	85	15.7	225
Franklin .....	7,735	35.0	147	0.0	213	9.6	102	25.4	89

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Freestone .....	16,128	42.4	57	1.6	195	10.2	75	30.7	39
Frio .....	13,683	42.7	53	1.8	192	9.7	97	31.2	37
Gaines .....	14,440	26.7	225	0.0	213	7.3	201	19.4	189
Galveston .....	216,473	43.0	51	6.5	41	13.4	18	23.1	128
Garza .....	5,369	34.8	152	3.3	136	8.4	159	23.1	128
Gillespie.....	16,713	32.3	179	2.0	182	5.4	232	24.9	95
Glasscock.....	1,403	11.9	251	0.0	213	1.5	252	10.4	249
Goliad.....	5,828	33.2	169	7.5	27	6.0	221	19.7	184
Gonzales .....	17,499	52.5	15	3.8	114	7.4	196	41.3	11
Gray.....	25,067	28.2	217	1.4	203	7.9	177	18.8	197
Grayson.....	95,432	38.7	99	4.6	78	9.7	97	24.4	102
Gregg .....	106,047	40.2	77	5.0	65	9.0	128	26.2	79
Grimes.....	18,815	39.4	89	3.6	125	10.8	51	25.0	93
Guadalupe.....	61,532	36.7	120	5.3	61	8.6	152	22.9	134
Hale .....	35,319	30.4	197	1.9	186	9.5	105	19.0	194
Hall .....	4,275	27.0	223	0.0	213	5.7	227	21.3	162
Hamilton .....	7,819	44.3	45	1.0	207	9.2	117	34.2	20
Hansford.....	6,008	40.0	81	7.3	30	7.0	210	25.7	83
Hardeman.....	5,569	52.3	16	4.2	97	17.0	4	31.1	38
Hardin.....	41,834	34.9	150	3.2	141	9.2	117	22.4	142
Harris.....	2,796,307	38.4	102	4.0	102	12.3	28	22.0	147
Harrison.....	57,307	42.4	57	6.3	45	10.6	59	25.4	89
Hartley.....	3,722	35.2	140	0.0	213	7.2	205	28.0	59
Haskell.....	7,041	32.3	179	0.0	213	14.5	11	17.8	206
Hays .....	62,776	28.0	218	4.6	78	8.5	158	14.9	230
Hemphill .....	4,150	23.3	241	0.0	213	9.4	108	13.9	239
Henderson.....	56,589	39.7	86	4.8	73	7.7	186	27.3	66
Hidalgo .....	368,804	29.6	204	3.2	141	9.2	117	17.2	211
Hill .....	26,984	40.0	81	2.4	169	10.4	66	27.3	66
Hockley.....	24,493	25.8	233	0.8	208	6.9	211	18.0	205
Hood.....	27,101	32.3	179	3.1	145	6.3	217	22.9	134
Hopkins .....	28,705	37.8	106	2.2	177	10.1	82	25.5	86
Houston.....	21,569	42.2	61	4.0	102	9.7	97	28.5	49
Howard.....	33,515	44.4	44	6.8	39	9.1	124	28.5	49
Hudspeth.....	2,902	48.6	23	9.7	12	10.4	66	28.5	49
Hunt.....	64,022	37.9	103	5.1	64	7.6	192	25.3	92
Hutchinson .....	26,603	35.4	134	4.4	85	9.3	111	21.7	151
Irion .....	1,685	21.8	244	0.0	213	5.4	232	16.4	217
Jack.....	7,229	37.8	106	0.0	213	11.4	38	26.4	77
Jackson .....	13,394	26.0	231	0.5	210	9.3	111	16.2	220
Jasper.....	31,362	46.9	35	4.6	78	10.7	53	31.6	34
Jeff Davis.....	1,889	63.1	6	18.8	3	2.5	249	41.8	9
Jefferson.....	243,801	40.3	75	5.4	59	12.5	27	22.4	142
Jim Hogg.....	5,245	37.5	112	7.3	30	13.0	19	17.2	211
Jim Wells.....	38,626	34.7	153	2.1	180	10.7	53	21.9	149
Johnson.....	93,277	33.8	165	2.8	156	9.8	92	21.2	164
Jones.....	17,116	36.8	119	3.1	145	7.4	196	26.3	78
Karnes.....	12,851	33.2	169	4.4	85	9.9	89	19.0	194
Kaufman.....	50,312	46.3	38	3.3	136	9.6	102	33.4	27
Kendall .....	14,069	38.5	100	5.5	56	8.8	139	24.2	109
Kenedy .....	500	1.6	253	0.0	213	1.6	251	0.0	253
Kent.....	1,040	15.1	250	0.0	213	2.7	248	12.4	244
Kerr.....	35,877	34.0	161	5.9	51	8.2	166	19.9	181
Kimble .....	4,188	26.1	230	4.0	102	8.0	172	14.0	238
King .....	373	32.5	177	0.0	213	0.0	253	32.5	30
Kinney .....	2,938	39.2	91	0.0	213	5.8	224	33.4	27
Kleberg.....	31,306	34.7	153	1.9	186	14.4	12	18.4	201
Knox .....	5,037	40.5	71	5.0	65	10.2	75	25.4	89
Lamar .....	44,035	34.3	159	2.5	166	10.2	75	21.5	154
Lamb .....	15,675	40.5	71	4.2	97	10.7	53	25.6	85



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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Lampasas.....	13,483	37.7	109	7.8	24	9.2	117	20.7	170
La Salle.....	5,472	42.6	55	4.9	71	7.1	207	30.6	42
Lavaca.....	18,898	33.6	167	3.3	136	9.0	128	21.3	162
Lee.....	13,069	41.2	65	8.1	21	10.5	62	22.6	139
Leon.....	12,669	47.4	31	2.3	171	10.9	48	34.2	20
Liberty.....	53,246	48.8	21	4.4	85	11.8	33	32.6	29
Limestone.....	20,796	39.8	84	6.0	48	7.8	183	26.0	80
Lipscomb.....	3,378	26.4	228	0.0	213	2.1	250	24.3	105
Live Oak.....	9,741	27.3	222	1.5	199	7.1	207	18.7	198
Llano.....	11,629	33.8	165	1.1	206	11.0	46	21.7	151
Loving.....	106	0.0	254	0.0	213	0.0	253	0.0	253
Lubbock.....	221,884	28.6	212	3.0	151	8.0	172	17.6	208
Lynn.....	7,120	28.4	215	3.6	125	7.9	177	16.9	213
McCulloch.....	8,659	36.3	127	5.6	54	9.2	117	21.6	153
McLennan.....	187,795	35.0	147	4.5	83	10.3	71	20.2	177
McMullen.....	811	23.3	241	0.0	213	13.6	15	9.6	250
Madison.....	11,190	35.1	143	4.3	89	6.9	211	24.0	113
Marion.....	10,094	42.2	61	2.3	171	6.2	218	33.7	23
Martin.....	5,032	25.3	234	3.7	120	5.9	222	15.8	223
Mason.....	3,559	42.7	53	0.0	213	5.4	232	37.3	15
Matagorda.....	38,113	41.0	68	4.3	89	10.2	75	26.5	75
Maverick.....	35,632	28.6	212	3.1	145	9.0	128	16.6	216
Medina.....	26,597	43.8	49	6.4	42	10.4	66	27.0	71
Menard.....	2,263	49.4	20	11.2	7	14.9	9	23.4	125
Midland.....	106,818	30.5	195	4.3	89	7.2	205	19.1	193
Milam.....	23,484	32.9	175	3.9	109	7.7	186	21.2	164
Mills.....	4,549	32.3	179	3.0	151	5.6	229	23.8	117
Mitchell.....	8,330	36.6	121	9.3	14	8.7	145	18.5	199
Montague.....	17,684	35.7	129	4.7	75	9.5	105	21.4	157
Montgomery.....	173,766	35.7	129	3.2	141	8.8	139	23.7	121
Moore.....	17,992	35.1	143	5.0	65	7.9	177	22.2	145
Morris.....	13,518	42.3	60	2.7	159	11.7	35	27.9	60
Motley.....	1,549	83.1	1	8.4	18	15.7	5	59.1	2
Nacogdoches.....	53,524	34.4	157	3.8	114	7.7	186	22.9	134
Navarro.....	39,712	46.4	37	4.0	102	10.5	62	31.9	33
Newton.....	13,565	44.7	42	2.9	155	7.4	196	34.3	19
Nolan.....	16,881	29.2	208	7.4	28	9.0	128	12.9	242
Nueces.....	292,055	39.6	87	8.3	19	12.9	22	18.4	201
Ochiltree.....	9,644	34.7	153	1.9	186	11.4	38	21.4	157
Oldham.....	2,271	33.5	168	0.0	213	5.9	222	27.6	63
Orange.....	81,410	39.2	91	3.6	125	10.9	48	24.7	97
Palo Pinto.....	25,589	38.9	97	2.4	169	13.0	19	23.5	122
Panola.....	22,041	30.2	198	0.5	210	8.7	145	21.0	168
Parker.....	61,478	33.2	169	3.9	109	8.7	145	20.6	171
Parmer.....	10,269	34.9	150	3.9	109	5.3	237	25.7	83
Pecos.....	15,354	41.5	64	4.6	78	6.1	219	30.7	39
Polk.....	30,076	48.1	25	6.4	42	7.9	177	33.9	22
Potter.....	100,064	44.2	47	6.9	37	10.0	85	27.3	66
Presidio.....	6,317	37.3	116	0.0	213	8.9	134	28.4	53
Rains.....	6,346	55.1	10	3.5	129	9.2	117	42.5	7
Randall.....	87,780	24.7	239	3.0	151	7.7	186	13.9	239
Reagan.....	4,738	24.1	240	5.0	65	4.6	242	14.5	234
Real.....	2,436	34.4	157	8.5	17	5.4	232	20.5	173
Red River.....	14,657	44.3	45	4.3	89	8.4	159	31.6	34
Reeves.....	16,206	47.8	27	9.7	12	11.6	36	26.5	75
Refugio.....	8,210	29.9	201	2.7	159	7.1	207	20.0	180
Roberts.....	1,057	17.1	249	0.0	213	5.7	227	11.3	246
Robertson.....	15,682	45.3	40	4.7	75	12.8	24	27.8	61
Rockwall.....	23,789	31.9	187	4.2	97	8.4	159	19.3	190
Runnels.....	11,699	26.7	225	0.4	212	7.3	201	19.0	194

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Rusk .....	43,625	40.2	77	1.8	192	10.3	71	28.1	57
Sabine .....	9,578	55.5	9	8.3	19	10.2	75	37.0	16
San Augustine .....	8,172	59.5	7	0.0	213	14.9	9	44.5	6
San Jacinto .....	15,676	41.1	67	2.2	177	10.8	51	28.1	57
San Patricio .....	59,563	37.6	111	3.5	129	11.1	42	23.0	131
San Saba .....	5,463	51.1	18	0.0	213	10.9	48	40.3	12
Schleicher .....	3,115	31.8	188	0.0	213	8.3	163	23.5	122
Scurry .....	19,435	26.9	224	2.3	171	6.1	219	18.5	199
Shackelford .....	3,618	45.1	41	12.5	5	2.8	247	29.9	44
Shelby .....	22,225	55.9	8	3.8	114	10.6	59	41.4	10
Sherman .....	2,955	27.8	219	0.0	213	6.4	216	21.4	157
Smith .....	149,985	33.0	174	3.4	133	8.2	166	21.4	157
Somervell .....	5,026	36.2	128	10.1	10	5.1	239	21.1	166
Starr .....	38,431	34.0	161	2.0	182	9.7	97	22.3	144
Stephens .....	9,581	48.4	24	4.1	100	13.7	13	30.6	42
Sterling .....	1,505	64.5	5	0.0	213	19.6	3	44.9	5
Stonewall .....	2,117	29.3	207	0.0	213	11.2	41	18.2	204
Sutton .....	4,604	54.4	11	20.1	2	15.0	6	19.3	190
Swisher .....	8,404	32.7	176	1.3	205	11.9	32	19.5	187
Tarrant .....	1,129,414	35.4	134	5.0	65	10.2	75	20.3	176
Taylor .....	120,968	29.0	209	4.5	83	8.2	166	16.4	217
Terrell .....	1,455	35.2	140	0.0	213	8.2	166	27.0	71
Terry .....	13,656	32.0	184	3.0	151	9.2	117	19.8	183
Throckmorton .....	1,970	31.0	192	4.1	100	4.0	244	22.8	137
Titus .....	23,884	39.2	91	3.5	129	7.9	177	27.8	61
Tom Green .....	96,935	32.0	184	3.9	109	10.4	66	17.7	207
Travis .....	562,434	31.7	190	5.3	61	10.1	82	16.4	217
Trinity .....	11,358	46.9	35	5.8	53	10.5	62	30.7	39
Tyler .....	16,969	40.7	70	3.7	120	9.8	92	27.2	69
Upshur .....	31,521	39.3	90	2.0	182	8.9	134	28.4	53
Upton .....	4,649	44.2	47	7.9	23	11.6	36	24.6	100
Uvalde .....	23,462	35.3	138	10.5	9	8.8	139	15.9	222
Val Verde .....	38,625	29.4	206	1.6	195	10.4	66	17.5	209
Van Zandt .....	37,311	42.4	57	3.5	129	7.4	196	31.5	36
Victoria .....	74,820	30.2	198	4.0	102	9.5	105	16.7	215
Walker .....	50,651	26.4	228	1.4	203	10.5	62	14.6	232
Waller .....	23,230	36.5	124	5.0	65	7.3	201	24.3	105
Ward .....	13,935	47.3	32	7.7	25	13.7	13	25.9	81
Washington .....	25,822	39.8	84	7.1	34	8.9	134	23.8	117
Webb .....	127,208	34.0	161	5.5	56	12.9	22	15.7	225
Wharton .....	40,528	47.5	29	6.0	48	12.3	28	29.2	47
Wheeler .....	6,234	37.4	114	4.4	85	8.9	134	24.1	112
Wichita .....	123,448	39.2	91	7.2	33	12.0	31	20.1	179
Wilbarger .....	15,846	36.6	121	4.7	75	6.5	215	25.5	86
Willacy .....	17,888	35.1	143	6.4	42	8.7	145	19.9	181
Williamson .....	129,345	25.9	232	3.2	141	8.3	163	14.4	236
Wilson .....	21,467	35.7	129	3.8	114	8.0	172	23.9	114
Winkler .....	9,403	42.9	52	4.3	89	10.3	71	28.3	55
Wise .....	33,990	30.9	194	3.7	120	7.6	192	19.6	186
Wood .....	28,883	47.5	29	5.5	56	9.8	92	32.1	31
Yoakum .....	9,038	28.3	216	2.3	171	4.9	240	21.1	166
Young .....	18,715	30.5	195	0.8	208	9.3	111	20.4	175
Zapata .....	8,922	41.8	63	4.0	102	13.6	15	24.2	109
Zavala .....	12,144	35.6	132	3.3	136	13.0	19	19.3	190
Utah .....	1,691,963	29.2		5.4		7.5		16.4	
Beaver .....	4,893	37.9	9	8.2	5	11.4	3	18.3	18
Box Elder .....	35,968	33.1	12	3.1	20	7.0	13	23.0	10
Cache .....	68,319	22.3	26	2.5	24	6.1	19	13.7	24

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Carbon.....	21,070	32.0	17	3.0	21	5.6	21	23.4	8
Daggett.....	705	30.1	18	0.0	25	20.3	1	9.9	29
Davis.....	181,809	20.5	28	2.6	22	6.3	15	11.6	28
Duchesne.....	13,589	29.0	19	4.5	16	5.4	25	19.1	15
Emery.....	10,891	39.3	8	4.0	18	6.2	17	29.1	3
Garfield.....	4,000	39.6	6	0.0	25	5.5	22	34.0	2
Grand.....	6,915	32.6	13	0.0	25	8.5	7	24.1	7
Iron.....	20,665	26.0	24	5.9	13	5.5	22	14.6	22
Juab.....	5,947	32.3	15	7.8	6	8.1	9	16.4	21
Kane.....	4,998	40.5	4	5.9	13	10.1	5	24.5	6
Millard.....	12,150	35.7	11	7.2	8	8.7	6	19.9	13
Morgan.....	5,398	23.7	25	0.0	25	5.2	27	18.5	17
Piute.....	1,329	45.8	3	15.4	1	4.7	28	25.7	5
Rich.....	1,886	18.7	29	0.0	25	6.3	15	12.4	26
Salt Lake.....	711,945	32.2	16	6.8	9	8.1	9	17.3	20
San Juan.....	12,379	52.7	1	6.4	10	7.9	11	38.4	1
Sanpete.....	16,275	37.1	10	8.3	4	5.5	22	23.2	9
Sevier.....	15,541	27.8	22	5.9	13	7.8	12	14.1	23
Summit.....	14,496	28.5	21	6.0	12	3.8	29	18.7	16
Tooele.....	26,930	39.7	5	7.5	7	10.7	4	21.5	11
Uintah.....	23,090	39.5	7	11.3	2	6.9	14	21.3	12
Utah.....	256,936	20.7	27	2.6	22	6.2	17	11.8	27
Wasatch.....	9,850	50.3	2	4.2	17	17.5	2	28.5	4
Washington.....	44,365	28.8	20	3.7	19	5.3	26	19.7	14
Wayne.....	2,166	27.7	23	9.0	3	5.9	20	12.8	25
Weber.....	157,458	32.6	13	6.1	11	8.2	8	18.2	19
Vermont.....	548,958	33.0		7.4		9.6		15.9	
Addison.....	32,233	28.0	13	6.1	11	7.0	14	14.9	11
Bennington.....	35,253	34.4	7	6.8	9	10.5	4	17.0	7
Caledonia.....	27,160	33.1	9	10.8	4	8.3	12	13.9	12
Chittenden.....	127,520	30.1	12	8.2	5	9.3	8	12.7	13
Essex.....	6,293	48.7	1	13.6	2	10.4	5	24.6	1
Franklin.....	38,837	35.2	5	7.3	7	11.0	2	17.0	7
Grand Isle.....	5,271	42.5	3	15.8	1	8.3	12	18.4	4
Lamoille.....	19,016	27.3	14	5.9	13	8.9	11	12.5	14
Orange.....	25,370	33.3	8	3.6	14	12.4	1	17.2	6
Orleans.....	23,875	43.3	2	11.0	3	9.7	6	22.6	2
Rutland.....	60,806	37.6	4	6.5	10	10.9	3	20.2	3
Washington.....	53,774	34.5	6	7.6	6	9.1	9	17.8	5
Windham.....	40,534	32.3	10	7.0	8	9.4	7	15.8	9
Windsor.....	53,016	31.0	11	6.1	11	9.1	9	15.8	9
Virginia.....	6,018,211	34.3		6.2		11.0		17.2	
Accomack.....	31,586	39.4	56	3.5	110	13.8	27	22.0	61
Albemarle.....	65,866	27.5	125	6.4	63	7.7	123	13.4	126
Alleghany.....	13,519	33.2	101	6.6	60	6.8	131	19.7	78
Amelia.....	8,695	52.5	18	10.5	20	8.8	111	33.2	11
Amherst.....	28,588	34.0	96	6.8	55	11.0	61	16.3	106
Appomattox.....	12,239	37.0	77	7.1	50	9.0	106	20.9	68
Arlington.....	169,278	23.3	134	3.3	113	8.8	111	11.1	134
Augusta.....	53,052	31.9	106	3.6	106	9.2	102	19.0	83
Bath.....	4,944	45.7	39	7.2	49	11.1	57	27.3	27
Bedford.....	43,355	35.5	87	3.7	103	9.7	88	22.1	60
Bland.....	6,484	35.2	89	2.5	121	8.9	108	23.9	42
Botetourt.....	24,566	31.3	112	4.2	96	7.7	123	19.4	82
Brunswick.....	16,010	51.1	25	6.1	67	21.5	3	23.5	48
Buchanan.....	32,718	38.4	64	2.5	121	12.1	46	23.8	44

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Buckingham.....	12,698	49.1	30	6.8	55	9.3	99	33.0	12
Campbell.....	47,319	37.3	75	8.4	38	9.2	102	19.6	79
Caroline.....	18,926	53.1	17	5.7	71	11.3	54	36.1	4
Carroll.....	26,706	31.9	106	6.0	68	7.3	128	18.6	87
Charles City.....	6,297	52.3	19	0.0	134	18.0	8	34.3	9
Charlotte.....	11,695	48.4	34	9.6	27	10.9	66	28.0	25
Chesterfield.....	194,898	26.0	130	2.8	120	8.9	108	14.2	117
Clarke.....	11,557	35.9	84	13.3	15	7.1	129	15.5	112
Craig.....	4,288	35.3	88	5.4	77	9.6	92	20.3	72
Culpeper.....	26,457	38.5	63	4.6	91	10.9	66	23.0	49
Cumberland.....	7,818	51.3	23	7.1	50	8.1	119	36.1	4
Dickenson.....	18,347	37.4	74	6.6	60	8.3	116	22.6	55
Dinwiddie.....	21,003	49.3	28	9.3	32	13.3	30	26.6	29
Essex.....	8,720	54.5	13	12.8	16	11.0	61	30.7	16
Fairfax.....	775,585	19.8	136	2.2	123	8.1	119	9.5	136
Fauquier.....	45,747	37.3	75	3.6	106	11.1	57	22.6	55
Floyd.....	11,896	43.6	45	3.3	113	9.7	88	30.6	17
Fluvanna.....	11,858	41.5	51	8.6	36	8.1	119	24.8	39
Franklin.....	38,973	38.1	68	5.2	81	10.4	74	22.5	57
Frederick.....	42,763	31.4	110	3.7	103	9.6	92	18.1	91
Giles.....	16,670	36.1	83	1.5	128	11.1	57	23.6	47
Gloucester.....	28,542	31.8	108	1.4	130	10.4	74	20.0	76
Goochland.....	13,535	32.7	103	5.3	79	9.2	102	18.3	89
Grayson.....	16,388	33.4	100	4.6	91	6.8	131	22.0	61
Greene.....	9,794	51.7	21	10.5	20	6.1	136	35.1	6
Greensville.....	10,586	45.4	40	8.1	40	14.5	23	22.8	52
Halifax.....	29,342	52.1	20	9.6	27	14.9	21	27.6	26
Hanover.....	59,409	34.2	94	5.1	83	11.0	61	18.1	91
Henrico.....	208,962	29.6	119	6.0	68	9.7	88	14.0	120
Henry.....	56,347	43.0	47	8.9	35	8.6	114	25.5	34
Highland.....	2,757	40.7	52	7.6	44	13.1	33	20.1	75
Isle Of Wight.....	24,223	37.6	73	3.6	106	11.1	57	22.8	52
James City.....	31,798	27.2	126	3.3	113	9.7	88	14.2	117
King And Queen.....	6,330	69.5	2	15.2	8	19.4	4	34.8	8
King George.....	12,995	51.2	24	4.8	86	12.9	35	33.5	10
King William.....	10,610	38.0	69	11.1	19	10.9	66	16.0	109
Lancaster.....	10,873	38.6	60	4.8	86	13.5	28	20.2	74
Lee.....	25,096	38.8	58	2.9	119	10.9	66	25.0	37
Loudoun.....	79,442	24.7	131	3.6	106	7.7	123	13.4	126
Louisa.....	19,813	44.0	44	3.8	101	10.2	81	30.0	19
Lunenburg.....	11,606	53.8	15	14.4	10	15.7	18	23.8	44
Madison.....	11,588	38.6	60	4.0	100	8.2	117	26.4	30
Mathews.....	8,382	38.6	60	3.5	110	10.2	81	24.9	38
Mecklenburg.....	29,385	49.2	29	9.5	29	14.4	24	25.3	35
Middlesex.....	8,552	49.4	27	0.9	133	8.9	108	39.5	1
Montgomery.....	72,032	24.7	131	4.6	91	9.4	96	10.7	135
Nelson.....	12,646	49.8	26	19.1	3	10.8	71	20.0	76
New Kent.....	10,001	40.1	53	5.6	72	10.6	72	23.9	42
Northampton.....	13,478	61.1	5	9.3	32	16.9	10	34.9	7
Northumberland.....	10,408	36.9	79	1.0	132	9.6	92	26.3	32
Nottoway.....	15,048	48.1	35	13.4	13	11.8	50	23.0	49
Orange.....	20,616	44.4	42	7.8	43	10.2	81	26.4	30
Page.....	21,115	35.0	90	8.6	36	7.4	127	18.9	84
Patrick.....	17,540	46.7	37	10.5	20	10.1	84	26.1	33
Pittsylvania.....	70,516	36.7	80	5.0	84	9.8	86	21.9	63
Powhatan.....	14,520	48.8	32	9.4	31	10.3	79	29.1	23
Prince Edward.....	17,306	37.0	77	7.1	50	12.2	45	17.7	97
Prince George.....	27,221	30.2	116	5.5	74	7.9	122	16.9	102
Prince William.....	198,857	31.3	112	5.5	74	10.4	74	15.4	113
Pulaski.....	34,452	33.6	98	3.0	117	8.8	111	21.7	66

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Rappahannock .....	6,460	44.3	43	0.0	134	15.9	17	28.4	24
Richmond .....	7,233	42.6	50	7.6	44	11.3	54	23.7	46
Roanoke .....	78,349	26.1	129	3.2	116	9.4	96	13.5	124
Rockbridge .....	18,156	39.8	54	5.2	81	9.3	99	25.3	35
Rockingham .....	56,295	30.1	117	4.1	98	8.2	117	17.8	95
Russell.....	29,532	28.8	121	1.3	131	9.8	86	17.7	97
Scott .....	23,726	38.8	58	8.0	42	8.4	115	22.4	58
Shenandoah.....	30,607	35.7	85	4.7	90	9.2	102	21.8	64
Smyth .....	32,657	39.3	57	6.8	55	9.6	92	22.8	52
Southampton.....	17,688	46.2	38	3.4	112	13.3	30	29.5	21
Spotsylvania.....	51,591	26.4	128	2.1	124	9.0	106	15.2	114
Stafford.....	55,877	33.8	97	6.3	65	9.4	96	18.1	91
Surry.....	6,122	54.6	12	3.8	101	12.3	44	38.5	2
Sussex .....	10,233	59.0	7	14.7	9	15.2	20	29.2	22
Tazewell .....	47,286	36.4	81	5.6	72	9.9	85	21.0	67
Warren.....	24,917	38.4	64	4.8	86	12.7	40	20.8	70
Washington .....	46,028	34.2	94	5.9	70	9.3	99	18.9	84
Westmoreland.....	15,088	54.9	11	4.5	94	12.9	35	37.4	3
Wise .....	40,930	37.7	72	8.1	40	12.9	35	16.7	103
Wythe .....	25,402	42.7	48	9.9	26	12.6	42	20.3	72
York.....	40,690	23.7	133	3.7	103	6.5	134	13.5	124
Alexandria .....	110,439	32.6	105	4.8	86	14.3	25	13.4	126
Bedford.....	6,137	60.9	6	11.4	18	19.3	5	30.2	18
Bristol .....	18,619	37.9	70	10.3	23	13.5	28	14.1	119
Buena Vista.....	6,467	38.3	67	7.5	47	16.0	16	14.8	115
Charlottesville.....	40,298	47.3	36	18.8	4	12.8	38	15.8	110
Chesapeake.....	143,257	34.8	91	5.3	79	11.8	50	17.7	97
Clifton Forge.....	4,825	55.8	10	6.7	59	19.3	5	29.8	20
Colonial Heights.....	15,974	34.3	93	5.4	77	10.4	74	18.5	88
Covington .....	7,333	32.7	103	7.4	48	12.7	40	12.5	131
Danville.....	40,834	53.3	16	13.6	11	16.7	11	23.0	49
Emporia .....	4,032	87.5	1	32.4	1	22.4	2	32.7	13
Fairfax .....	19,586	31.1	114	1.9	126	11.0	61	18.2	90
Falls Church.....	9,687	21.8	135	1.5	128	6.3	135	14.0	120
Franklin.....	7,799	61.9	4	18.6	5	16.1	15	27.1	28
Fredericksburg .....	18,269	35.6	86	6.2	66	11.7	52	17.8	95
Galax.....	6,694	29.1	120	2.0	125	11.3	54	15.7	111
Hampton.....	130,758	30.1	117	4.4	95	12.1	46	13.6	122
Harrisonburg.....	29,638	28.8	121	6.8	55	10.4	74	11.7	133
Hopewell.....	23,230	48.8	32	11.7	17	16.3	12	20.8	70
Lexington.....	7,026	31.6	109	5.5	74	12.4	43	13.6	122
Lynchburg .....	66,858	42.7	48	13.4	13	13.0	34	16.3	106
Manassas.....	24,815	39.6	55	6.4	63	17.1	9	16.1	108
Manassas Park.....	6,701	31.4	110	0.0	134	7.1	129	24.3	41
Martinsville .....	16,718	56.5	8	13.5	12	11.0	61	32.0	14
Newport News.....	166,537	36.2	82	6.9	54	12.8	38	16.5	104
Norfolk.....	263,663	44.5	41	9.5	29	16.2	14	18.8	86
Norton.....	4,415	26.9	127	1.6	127	7.6	126	17.6	101
Petersburg.....	38,507	56.1	9	16.6	7	18.6	7	20.9	68
Poquoson .....	10,531	30.3	115	7.0	53	6.8	131	16.5	104
Portsmouth.....	104,963	43.5	46	7.6	44	16.3	12	19.6	79
Radford.....	15,616	33.1	102	9.0	34	11.9	48	12.2	132
Richmond .....	206,967	66.7	3	20.2	2	15.5	19	31.0	15
Roanoke .....	98,274	54.4	14	17.9	6	14.7	22	21.8	64
Salem .....	23,544	28.8	121	4.2	96	11.7	52	12.8	130
South Boston.....	7,084	34.7	92	8.3	39	11.9	48	14.4	116
Staunton.....	24,484	38.4	64	10.1	25	10.6	72	17.7	97
Suffolk .....	51,267	49.1	30	10.2	24	14.3	25	24.6	40
Virginia Beach.....	367,483	28.3	124	4.9	85	10.3	79	13.0	129
Waynesboro.....	18,319	33.6	98	3.0	117	10.9	66	19.6	79

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Williamsburg.....	11,139	51.7	21	4.1	98	25.2	1	22.4	58
Winchester.....	21,326	37.8	71	6.6	60	13.3	30	18.0	94
Washington.....	4,647,916	32.1		5.9		9.2		16.9	
Adams.....	13,455	43.1	6	4.0	27	8.0	26	31.1	4
Asotin.....	17,408	39.5	12	7.3	10	10.1	4	22.1	18
Benton.....	111,215	26.9	35	5.5	21	7.6	30	13.8	35
Chelan.....	51,040	33.2	22	5.3	22	7.2	33	20.7	20
Clallam.....	54,436	39.0	13	6.3	16	8.8	15	23.9	15
Clark.....	223,953	30.8	28	5.8	19	8.4	20	16.7	26
Columbia.....	4,021	28.6	33	3.6	33	8.8	15	16.1	27
Cowlitz.....	79,768	36.1	16	6.8	13	8.8	15	20.6	22
Douglas.....	25,224	37.1	15	3.0	35	8.9	13	25.3	11
Ferry.....	6,077	56.0	1	3.2	34	7.1	35	45.7	1
Franklin.....	37,271	41.4	8	8.8	6	7.9	27	24.7	12
Garfield.....	2,285	23.2	37	10.7	2	5.7	37	6.8	39
Grant.....	53,590	40.3	10	6.0	18	8.7	18	25.6	10
Grays Harbor.....	63,127	45.9	3	9.8	4	12.1	1	24.0	13
Island.....	55,692	29.7	30	6.1	17	7.9	27	15.6	29
Jefferson.....	19,147	37.4	14	3.9	30	7.5	32	25.9	7
King.....	1,433,447	29.4	31	5.0	23	9.8	5	14.5	33
Kitsap.....	178,126	31.8	26	6.7	14	9.7	6	15.4	31
Kittitas.....	26,003	29.1	32	2.8	36	11.4	2	14.9	32
Klickitat.....	16,412	44.2	5	9.3	5	8.3	22	26.6	6
Lewis.....	57,908	34.2	18	4.6	24	8.9	13	20.7	20
Lincoln.....	9,031	33.4	21	2.1	38	7.2	33	24.0	13
Mason.....	36,484	33.0	24	2.3	37	7.8	29	22.9	16
Okanogan.....	32,696	55.3	2	12.6	1	9.7	6	33.1	2
Pacific.....	18,276	45.5	4	10.0	3	9.6	8	25.8	8
Pend Oreille.....	8,788	40.4	9	0.0	39	8.4	20	31.9	3
Pierce.....	557,016	36.0	17	7.9	8	10.3	3	17.8	24
San Juan.....	9,433	22.9	38	5.7	20	4.9	38	12.2	37
Skagit.....	75,318	33.2	22	4.0	27	8.7	18	20.5	23
Skamania.....	8,080	34.0	20	7.1	11	4.9	38	21.9	19
Snohomish.....	429,548	28.6	33	3.8	31	9.0	12	15.8	28
Spokane.....	355,605	32.5	25	7.9	8	9.1	9	15.5	30
Stevens.....	30,425	39.8	11	4.0	27	8.3	22	27.5	5
Thurston.....	151,781	29.9	29	6.9	12	9.1	9	13.8	35
Wahkiakum.....	3,329	34.1	19	4.4	26	6.9	36	22.8	17
Walla Walla.....	48,250	31.8	26	6.6	15	8.1	24	17.1	25
Whatcom.....	121,222	26.3	36	4.6	24	7.6	30	14.1	34
Whitman.....	39,139	21.8	39	3.8	31	9.1	9	8.8	38
Yakima.....	183,891	42.1	7	8.2	7	8.1	24	25.8	8
West Virginia.....	1,834,235	36.2		5.8		10.0		20.5	
Barbour.....	16,131	40.8	18	12.2	1	10.1	20	18.5	38
Berkeley.....	56,200	42.4	13	3.3	38	11.7	6	27.4	13
Boone.....	27,197	40.3	19	6.1	20	9.0	34	25.1	18
Braxton.....	13,395	49.0	5	7.1	14	9.9	23	32.0	4
Brooke.....	27,882	26.7	49	8.1	9	10.1	20	8.5	55
Cabell.....	99,686	34.1	33	7.8	10	10.9	16	15.3	45
Calhoun.....	8,043	37.4	27	6.4	18	6.3	51	24.7	20
Clay.....	10,299	50.2	4	6.1	20	12.2	5	31.9	5
Doddridge.....	7,262	19.2	55	0.9	53	7.6	48	10.7	54
Fayette.....	50,447	44.3	10	9.0	5	11.1	15	24.2	21
Gilmer.....	7,947	37.6	26	0.0	54	7.8	45	29.7	9
Grant.....	10,270	41.6	15	6.6	16	8.6	38	26.4	15
Greenbrier.....	36,020	40.1	20	8.6	7	9.3	29	22.2	27

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Hampshire.....	16,166	47.8	7	5.5	24	11.5	9	30.8	7
Hancock.....	36,575	32.9	35	8.3	8	9.4	28	15.2	48
Hardy.....	10,655	45.7	9	5.7	23	7.9	44	32.1	3
Harrison.....	71,187	32.9	35	7.5	11	9.7	25	15.7	44
Jackson.....	26,149	25.7	50	0.0	54	8.5	40	17.2	41
Jefferson.....	34,697	39.7	23	6.3	19	12.7	1	20.7	31
Kanawha.....	212,971	38.2	24	7.1	14	11.2	14	19.8	33
Lewis.....	17,864	34.8	31	4.4	31	10.1	20	20.3	32
Lincoln.....	21,488	39.9	21	2.5	48	9.6	27	27.8	12
Logan.....	44,960	48.7	6	10.4	2	12.4	4	25.8	17
McDowell.....	38,917	54.4	1	9.8	3	11.3	12	33.3	2
Marion.....	59,314	31.1	41	4.2	32	8.1	41	18.7	37
Marshall.....	37,995	25.3	51	2.5	48	8.9	36	14.0	51
Mason.....	25,486	31.3	40	1.2	52	8.6	38	21.5	30
Mercer.....	66,887	44.3	10	4.9	29	12.6	3	26.8	14
Mineral.....	26,906	36.5	29	5.4	26	8.1	41	23.0	26
Mingo.....	34,797	45.9	8	5.5	24	10.3	19	30.1	8
Monongalia.....	75,882	24.3	52	3.1	40	8.7	37	12.5	53
Monroe.....	12,393	50.6	3	7.3	12	11.6	8	31.7	6
Morgan.....	11,486	41.7	14	3.7	33	9.1	32	29.0	10
Nicholas.....	27,357	37.7	25	4.6	30	9.7	25	23.4	25
Ohio.....	52,770	29.5	46	3.4	37	11.3	12	14.7	49
Pendleton.....	8,026	26.8	48	3.0	42	5.9	53	17.9	39
Pleasants.....	7,672	24.1	53	2.9	43	7.0	50	14.2	50
Pocahontas.....	9,220	39.8	22	2.4	50	11.5	9	25.9	16
Preston.....	29,500	33.6	34	3.5	36	7.8	45	22.2	27
Putnam.....	42,300	24.1	53	2.6	47	6.2	52	15.3	45
Raleigh.....	80,018	44.0	12	8.8	6	11.5	9	23.7	23
Randolph.....	28,115	32.0	39	3.6	35	9.2	30	19.1	36
Ritchie.....	10,563	34.3	32	6.0	22	4.6	55	23.7	23
Roane.....	15,273	41.6	15	2.9	43	9.8	24	28.9	11
Summers.....	14,399	35.1	30	3.1	40	8.0	43	24.0	22
Taylor.....	15,572	31.1	41	2.8	46	10.6	17	17.7	40
Tucker.....	7,979	50.9	2	2.0	51	11.7	6	37.2	1
Tyler.....	10,147	37.2	28	5.1	28	12.7	1	19.3	35
Upshur.....	23,573	27.1	47	2.9	43	7.7	47	16.4	43
Wayne.....	42,635	30.7	44	3.7	33	7.5	49	19.5	34
Webster.....	11,086	32.7	37	5.3	27	5.5	54	21.9	29
Wetzel.....	20,046	30.3	45	3.3	38	10.4	18	16.7	42
Wirt.....	5,093	32.2	38	9.8	3	9.2	30	13.2	52
Wood.....	88,591	30.9	43	6.6	16	9.0	34	15.3	45
Wyoming.....	30,745	41.2	17	7.2	13	9.1	32	24.8	19
Wisconsin.....	4,821,313	29.9		5.7		9.4		14.8	
Adams.....	15,283	35.2	13	6.3	17	9.6	21	19.3	17
Ashland.....	16,315	38.0	10	8.5	9	10.5	13	18.9	18
Barron.....	40,089	28.7	44	3.5	46	7.8	51	17.4	31
Bayfield.....	13,902	31.2	32	4.9	29	6.9	60	19.5	15
Brown.....	190,114	24.8	64	3.9	41	7.6	52	13.3	58
Buffalo.....	13,668	25.6	62	0.8	72	8.0	50	16.8	36
Burnett.....	12,967	32.3	22	8.5	9	7.3	55	16.5	38
Calumet.....	34,038	25.6	62	2.4	63	9.5	23	13.8	54
Chippewa.....	52,091	26.7	54	5.7	22	7.5	53	13.5	56
Clark.....	31,749	29.6	40	3.9	41	8.2	46	17.5	30
Columbia.....	44,413	31.8	26	4.0	40	9.2	30	18.6	23
Crawford.....	15,968	26.1	60	2.9	57	6.7	66	16.6	37
Dane.....	356,730	24.8	64	5.8	19	7.5	53	11.5	69
Dodge.....	75,601	26.2	58	3.5	46	6.8	63	15.9	42
Door.....	25,582	26.7	54	2.8	60	11.5	6	12.4	67

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		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Douglas .....	41,595	35.4	12	10.3	5	10.2	16	15.0	48
Dunn .....	35,389	21.8	71	2.9	57	8.9	34	10.0	72
Eau Claire .....	83,788	26.0	61	4.5	32	8.7	42	12.9	62
Florence .....	4,461	40.6	7	2.3	64	20.5	1	17.9	29
Fond Du Lac .....	89,427	27.1	50	5.4	25	8.8	39	12.9	62
Forest .....	8,809	45.6	3	4.8	31	12.2	4	28.6	2
Grant .....	49,548	22.7	70	1.6	69	8.2	46	12.9	62
Green .....	30,131	29.8	38	3.6	44	8.8	39	17.3	34
Green Lake .....	18,590	31.8	26	3.4	48	10.3	15	18.2	24
Iowa .....	20,081	28.6	45	1.3	70	6.3	69	21.1	11
Iron .....	6,126	50.1	2	20.1	2	10.2	16	19.8	13
Jackson .....	16,472	32.1	24	3.2	52	6.7	66	22.2	7
Jefferson .....	66,961	26.2	58	3.0	55	9.3	27	13.9	52
Juneau .....	21,333	38.4	9	6.9	14	8.8	39	22.8	5
Kenosha .....	124,994	32.4	21	4.5	32	12.8	3	15.2	47
Kewaunee .....	18,974	29.8	38	3.6	44	8.2	46	18.0	27
La Crosse .....	96,258	28.1	46	6.4	15	8.9	34	12.8	65
Lafayette .....	16,271	27.7	48	1.0	71	8.1	49	18.7	22
Langlade .....	19,455	34.6	14	11.5	4	6.8	63	16.3	39
Lincoln .....	26,842	40.5	8	6.1	18	9.5	23	24.9	4
Manitowoc .....	80,716	31.3	31	7.3	13	11.4	8	12.6	66
Marathon .....	113,768	29.2	41	5.7	22	9.4	26	14.1	50
Marinette .....	40,112	33.8	16	3.1	54	10.7	12	19.9	12
Marquette .....	12,134	33.3	17	5.8	19	12.0	5	15.5	44
Menominee .....	3,769	129.1	1	36.1	1	17.9	2	75.1	1
Milwaukee .....	953,613	37.1	11	9.5	8	11.4	8	16.2	40
Monroe .....	36,048	32.5	19	5.8	19	7.1	57	19.6	14
Oconto .....	29,746	29.9	37	2.2	66	8.9	34	18.8	21
Oneida .....	31,306	30.6	34	4.4	34	9.3	27	17.0	35
Outagamie .....	136,991	26.5	57	4.4	34	8.9	34	13.2	60
Ozaukee .....	70,646	20.3	72	2.6	62	7.1	57	10.6	71
Pepin .....	7,076	28.9	42	9.6	6	5.7	72	13.6	55
Pierce .....	32,436	30.0	36	6.4	15	9.6	21	14.0	51
Polk .....	34,119	31.7	28	4.4	34	6.0	71	21.3	9
Portage .....	60,049	28.0	47	3.9	41	6.8	63	17.4	31
Price .....	15,653	34.5	15	3.4	48	9.7	20	21.3	9
Racine .....	172,881	32.7	18	7.8	11	9.5	23	15.5	44
Richland .....	17,349	32.5	19	5.4	25	8.9	34	18.2	24
Rock .....	138,884	30.7	33	4.9	29	11.3	10	14.5	49
Rusk .....	15,151	31.5	29	2.1	68	10.5	13	18.9	18
St. Croix .....	48,182	24.8	64	2.3	64	9.1	32	13.4	57
Sauk .....	46,135	27.1	50	4.3	37	6.9	60	16.0	41
Sawyer .....	13,861	42.1	4	11.7	3	11.5	6	18.9	18
Shawano .....	36,697	31.9	25	3.3	51	9.0	33	19.5	15
Sheboygan .....	102,841	24.7	67	3.0	55	8.4	45	13.3	58
Taylor .....	18,728	27.7	48	2.8	60	6.9	60	18.0	27
Trempealeau .....	25,230	26.6	56	2.2	66	6.4	68	18.1	26
Vernon .....	25,644	23.8	68	2.9	57	7.0	59	13.9	52
Vilas .....	17,347	41.1	5	7.7	12	11.1	11	22.3	6
Walworth .....	73,551	30.6	34	5.5	24	9.2	30	15.9	42
Washburn .....	13,686	41.1	5	9.6	6	6.3	69	25.2	3
Washington .....	91,996	28.8	43	3.2	52	10.1	18	15.5	44
Waukesha .....	295,235	23.8	68	4.2	39	8.5	44	11.1	70
Waupaca .....	45,241	31.4	30	4.3	37	9.8	19	17.4	31
Waushara .....	19,140	32.3	22	3.4	48	7.2	56	21.7	8
Winnebago .....	137,950	26.8	53	5.3	27	9.3	27	12.1	68
Wood .....	73,388	26.9	52	5.2	28	8.7	42	13.0	61



Table 4

**Age-Adjusted Death Rates per 100,000 Population and Associated Ranks Within States for Different Categories of Alcohol-Related Mortality By State and County: United States, 1986–1990**

Geographic Area	Average Population	All Alcohol-Related Causes of Death		Causes of Death With Explicit Mention of Alcohol		Other Alcohol-Related Diseases		Other Alcohol-Related Injuries or Adverse Effects	
		Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank
Wyoming.....	469,995	38.3		8.4		8.7		21.2	
Albany .....	30,707	29.0	22	5.4	15	7.5	14	16.1	20
Big Horn .....	11,076	36.4	14	6.5	12	8.9	10	21.1	15
Campbell .....	31,180	30.8	20	6.0	14	9.1	8	15.6	21
Carbon.....	17,577	42.7	4	7.0	11	9.0	9	26.7	5
Converse .....	12,174	37.9	10	8.3	7	9.7	5	19.9	17
Crook.....	5,432	17.7	23	0.0	23	4.6	22	13.1	23
Fremont.....	34,671	66.3	1	23.1	1	9.3	7	33.8	1
Goshen.....	12,459	33.6	17	5.1	16	5.5	18	23.0	11
Hot Springs.....	5,183	37.7	11	13.0	2	7.8	13	17.0	19
Johnson.....	6,397	45.9	2	9.8	3	5.1	21	31.1	2
Laramie .....	73,053	34.6	16	9.2	6	10.1	4	15.3	22
Lincoln.....	13,319	39.7	9	4.8	18	7.4	15	27.4	4
Natrona.....	65,000	41.0	7	9.7	4	9.7	5	21.6	14
Niobrara.....	2,674	44.0	3	8.0	8	11.0	3	25.0	8
Park.....	23,508	29.7	21	4.9	17	6.3	17	18.5	18
Platte .....	8,646	31.4	19	2.1	21	8.9	10	20.4	16
Sheridan.....	24,267	41.7	5	7.4	9	11.4	2	23.0	11
Sublette .....	5,391	37.5	13	3.3	19	4.1	23	30.1	3
Sweetwater.....	41,197	41.3	6	9.7	4	7.3	16	24.4	9
Teton.....	10,727	33.1	18	1.3	22	5.5	18	26.3	6
Uinta.....	19,531	37.6	12	6.1	13	5.4	20	26.2	7
Washakie.....	8,907	40.9	8	7.4	9	11.7	1	21.8	13
Weston.....	6,920	34.9	15	3.3	19	8.2	12	23.4	10



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