

COUNTY HEALTH STATUS PROFILES 2014

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH AND
CALIFORNIA CONFERENCE OF LOCAL HEALTH OFFICERS
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COUNTY HEALTH STATUS PROFILES 2014

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ACKNOWLEDGMENTS

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Alicia Van Hoy, MA Research Program Specialist I, with the CDPH, Public Health Policy and Research Branch, Assessment and Policy Section, Data Analysis Reporting Unit independently peer reviewed the tables and thematic maps.

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Bill Schooling, with the Department of Finance provided the 2012 race/ethnic population estimates by county with age and sex detail.

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Denise Gilson with the CDPH, Sexually Transmitted Disease Control Branch provided chlamydia and gonorrhea case incidence data.

Linda Johnson with the CDPH, Tuberculosis Control Branch provided tuberculosis case incidence data.

Valorie Eckert, MPH with the CDPH, Office of AIDS provided AIDS case incidence data.

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Daniel Cox with the CDPH, Information Technology Services Division, Application Development and Support Branch, Health and Administrative Support Section prepared the Web page and data links for the Internet version of the report and county summary tables.

Center for Health Statistics and Informatics staff, who collected, coded, and edited birth and death certificates, the basis of the Birth and the Death Statistical Master Files.

Cover photography by **John Rudzinkas**. Mount Shasta.



RON CHAPMAN, MD, MPH
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EDMUND G. BROWN JR.
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Dear Colleague:

We are pleased to present California's **County Health Status Profiles 2014 (Profiles)**. This report contains selected health status indicators recommended by the U.S. Department of Health and Human Services for monitoring state and local progress toward achieving the goals set forth in *Healthy People 2020 (HP 2020)*. The *HP 2020 National Objectives* challenge public health professionals to increase the span of high quality healthy lives, achieve health equity, and encourage quality of life healthy behaviors for all.

This annual report includes data years 2006-2012. Please note this is the complete version of **Profiles**. The Birth Cohort Infant Mortality Tables (24A-24E) are included, and reflect the incorporation of the 2011 Birth Cohort-Perinatal Outcome File data.

The health status indicators are based on significant and readily available data to help guide the course of health promotion and preventive services. This report is updated each year and amended according to priorities developed by CDPH and the California Conference of Local Health Officers. This report is an important tool to evaluate the health of Californians.

Ron Chapman, MD, MPH
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TABLE OF CONTENTS

INTRODUCTION.....	1-2
-------------------	-----

TABLES WITH HIGHLIGHTS	3-82
------------------------------	------

TABLES

HEALTH STATUS INDICATORS

1 – 19 MORTALITY INDICATORS PER 100,000 POPULATION

1	All Causes of Death	3-4
2	All Cancer Deaths	5-6
3	Colorectal Cancer	7-8
4	Lung Cancer.....	9-10
5	Female Breast Cancer	11-12
6	Prostate Cancer	13-14
7	Diabetes	15-16
8	Alzheimer’s Disease.....	17-18
9	Coronary Heart Disease.....	19-20
10	Cerebrovascular Disease (Stroke).....	21-22
11	Influenza/Pneumonia	23-24
12	Chronic Lower Respiratory Disease	25-26
13	Chronic Liver Disease and Cirrhosis.....	27-28
14	Accidents (Unintentional Injuries)	29-30
15	Motor Vehicle Traffic Crashes.....	31-32
16	Suicide.....	33-34
17	Homicide.....	35-36
18	Firearm-Related Deaths	37-38
19	Drug-Induced Deaths	39-40

20 – 23 MORBIDITY INDICATORS PER 100,000 POPULATION

20	Acquired Immunodeficiency Syndrome (AIDS).....	41-42
21	Chlamydia	43-44
22F	Gonorrhea Females 15 To 44 Years Old	45-46
22M	Gonorrhea Males 15 To 44 Years Old	47-48
23	Tuberculosis	49-50

24A – 24E BIRTH COHORT INFANT MORTALITY UNDER ONE YEAR OF AGE PER 1,000 LIVE BIRTHS

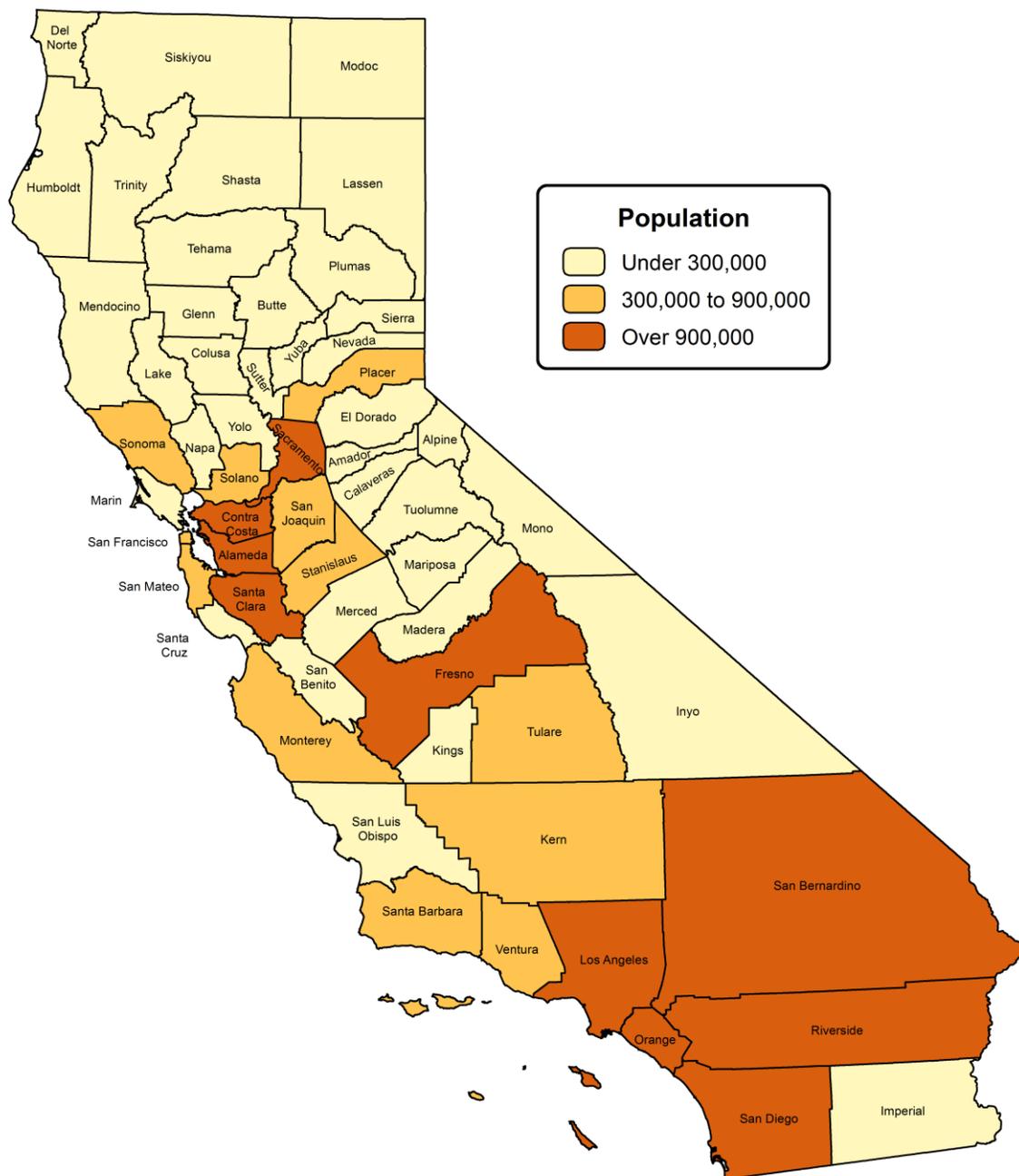
24A	Infant Mortality, All Race/Ethnic Groups	51-52
24B	Asian/Pacific Islander Infant Mortality	53-54
24C	Black Infant Mortality.....	55-56
24D	Hispanic Infant Mortality.....	57-58
24E	White Infant Mortality	59-60

TABLE OF CONTENTS (continued)

<u>TABLES</u>	<u>HEALTH STATUS INDICATORS</u>
25 – 27B	NATALITY INDICATORS PER 100 LIVE BIRTHS OR 1,000 POPULATION
25	Low Birthweight Infants 61-62
26	Births to Adolescent Mothers, 15-19 Years Old Per 1,000 Live Births 63-64
27A	Prenatal Care Begun During the First Trimester 65-66
27B	Adequate/Adequate Plus Prenatal Care 67-68
	BREASTFEEDING INITIATION RATES PER 100 LIVE BIRTHS
28	Breastfeeding Initiation During Early Postpartum 69-70
	2011 CENSUS POPULATION HEALTH INDICATOR
29	Persons Under 18 In Poverty 71-72
	CURRENT AND PRIOR THREE-YEAR AVERAGE RATES AND PERCENTAGES BY COUNTY
30	A Comparison of Three-Year Average Rates And Percentages Among Selected Health Status Indicators 73-82
TECHNICAL NOTES.....	83-93
APPENDIX A	
California's Health Status Profile 2014	94
BIBLIOGRAPHY.....	95-96

CALIFORNIA COUNTIES

2011 STATEWIDE POPULATION: 37,570,307



State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

INTRODUCTION

County Health Status Profiles 2014 (Profiles 2014) has been published annually for the State of California since 1993. This report presents public health data that can be directly compared with clearly established benchmarks, such as national standards, and populations of similar composition. Appendix A (page 94) provides a summary table of California's rates for selected health status indicators, target rates established for Healthy People 2020 (HP 2020) National Objectives and the previous period rates.

In keeping with the goal of using national standards, causes of death were coded using the International Classification of Diseases, Tenth Revision (ICD-10) and age-adjusted rates were calculated using the 2000 Standard Population weights to facilitate meaningful comparison of vital statistics data rates over time and between groups. For additional information on the HP 2020 recommendations, visit the [Centers for Disease Control and Prevention](#).

Profiles 2014 contains vital statistics and morbidity tables that show the population, number of events, crude rates, and age-adjusted death rates (when appropriate) or percentages by county of residence (except where noted). In these tables, counties are ranked by rates or percentages based on the methodology described in the Technical Notes section (pages 83 to 93). Data limitations and qualifications are provided in the Technical Notes to assist the reader with interpretation and comparison of these data among the counties. For those who want to learn more about the challenges associated with analysis of vital events involving small numbers, small area analysis, and age-adjusted death rates, references to relevant statistical publications are located in the bibliography.

The tables identify the upper and lower 95 percent confidence limits, which provide a means to assess the degree of stability for the estimated rates and percentages. Confidence intervals based on 100 or more events are calculated utilizing a normal approximation. In cases where there are fewer than 100 events, the gamma distribution is applied to prevent producing a negative lower limit confidence interval. For additional information on the gamma distribution, please see [National Vital Statistics Report, Volume 57, No. 14, April 17, 2009](#). Vital statistics rates and percentages are subject to random variation, which is inversely related to the number of events (e.g., deaths) used to calculate the rates and percentages. Rates calculated from fewer than 20 events are considered unreliable and are indicated with an asterisk (*). Dashes (-) indicate that percentages and confidence limits are not calculated due to zero events. Thematic maps of California's 58 counties provide added visual comparison of rates or percentages from each table (excluding Table 30) along with the customary health status indicator highlights.

The race/ethnicity population figures by county with age and sex detail were provided by the Demographic Research Unit, California Department of Finance, and were utilized as denominators for the rate calculations. The current period, (2010-2012), used the 2011 (mid-year) population figures from the *State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060*. Sacramento, California, January 2013. Rates developed for the previous period, (2007-2009), used the 2008 (mid-year) population figures from the *State of California, Department of Finance, Race/Hispanics Population with Age and*

Gender Detail, 2000–2010. Sacramento, California, September 2012 estimates.

The following California Department of Public Health (CDPH) offices provided data for this report: Vital Records, Communicable Disease Control, Genetic Disease Screening Program, Maternal, Child and Adolescent Health Program, and the Office of AIDS. The estimates of persons under age 18 in poverty for 2011 were obtained from the [U.S. Census Bureau](#).

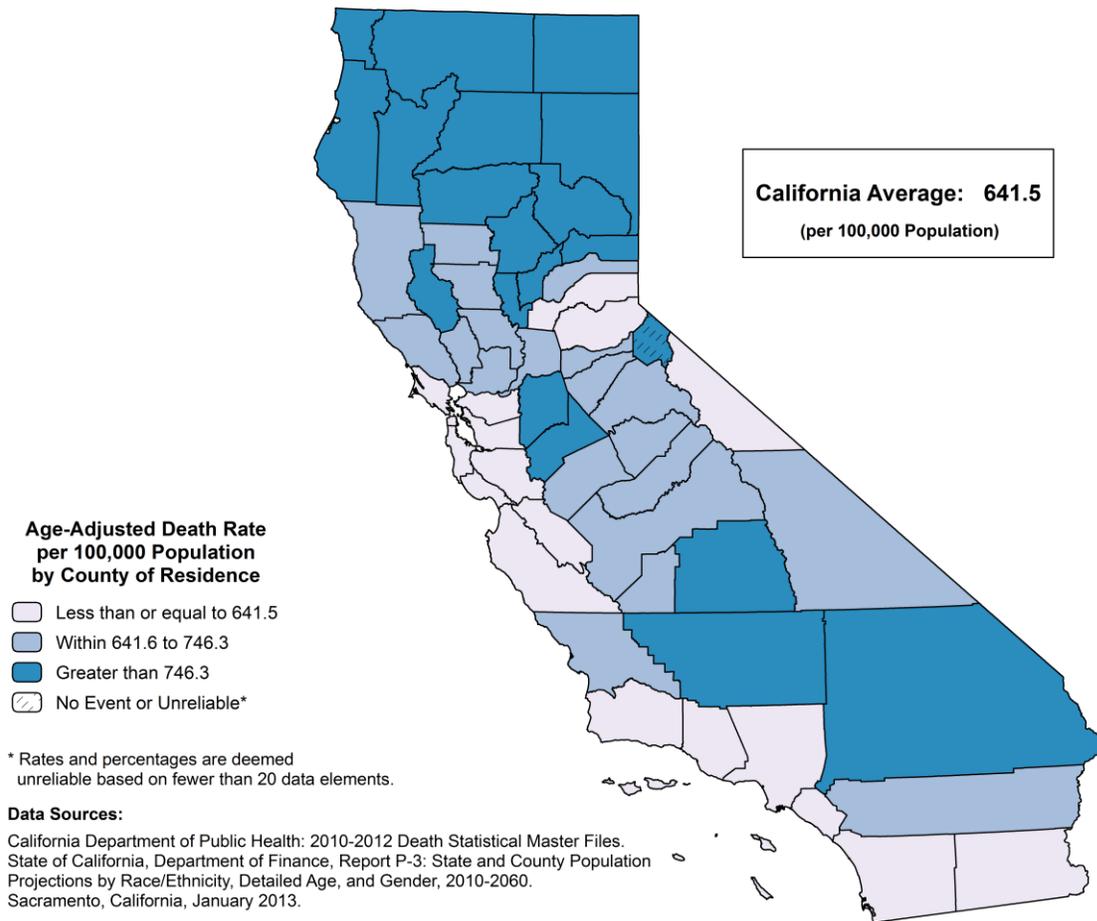
To access electronic copies of this report, visit the [CDPH, Center for Health Statistics and Informatics, Public Health Policy and Research Branch site](#).

If you have questions about this report, or desire additional state or county health status data and statistics please write, phone, or e-mail:

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Profiles for the years 1999 through 2013 are available on the [CDPH website](#). Paper copies of the 1993 through 2006 reports may be purchased for \$10 by contacting the Public Health Policy and Research Branch at the above address or phone number.

DEATHS DUE TO ALL CAUSES, 2010-2012



The crude death rate from all causes for California was 634.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 157.7 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 238,203.3 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 1,261.0 in Lake County to 326.2 in Mono County, a factor of 3.9 to 1.

The age-adjusted death rate from all causes for California during the 2010 through 2012 three-year period was 641.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 951.4 in Lake County to 467.0 in Mono County.

A Healthy People 2020 National Objective for deaths due to all causes has not been established.

The California average age-adjusted death rate for the 2007-2009 period was 677.4.

**TABLE 1
DEATHS DUE TO ALL CAUSES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:						NONE	
1	MONO	14,305	46.7	326.2	467.0	342.7	621.6
2	MARIN	254,359	1,864.3	733.0	522.7	498.2	547.1
3	SANTA CLARA	1,806,881	9,164.0	507.2	526.9	516.0	537.8
4	SAN MATEO	727,980	4,616.0	634.1	542.4	526.5	558.3
5	SAN BENITO	55,950	278.0	496.9	572.1	503.7	640.6
6	SAN FRANCISCO	813,123	5,598.3	688.5	578.4	563.0	593.8
7	ORANGE	3,047,120	17,741.3	582.2	580.1	571.5	588.7
8	MONTEREY	419,998	2,333.7	555.6	584.1	560.1	608.1
9	VENTURA	830,215	5,031.7	606.1	593.2	576.6	609.8
10	SANTA BARBARA	425,756	2,885.0	677.6	601.3	579.0	623.7
11	ALAMEDA	1,526,220	9,147.7	599.4	606.8	594.2	619.5
12	LOS ANGELES	9,860,836	57,735.3	585.5	611.4	606.4	616.5
13	SANTA CRUZ	265,569	1,653.7	622.7	614.7	584.2	645.3
14	IMPERIAL	177,229	964.3	544.1	616.1	576.9	655.2
15	CONTRA COSTA	1,061,375	7,067.0	665.8	619.4	604.7	634.1
16	SAN DIEGO	3,125,321	19,727.3	631.2	627.2	618.4	636.1
17	PLACER	356,367	2,760.3	774.6	634.4	610.5	658.3
18	EL DORADO	180,663	1,349.3	746.9	636.6	601.8	671.5
	CALIFORNIA	37,570,307	238,203.3	634.0	641.5	638.9	644.1
19	NEVADA	98,593	959.3	973.0	641.6	598.8	684.4
20	SONOMA	486,778	3,864.7	793.9	650.2	629.2	671.3
21	NAPA	137,634	1,167.3	848.1	650.4	612.2	688.7
22	SAN LUIS OBISPO	270,119	2,260.3	836.8	651.4	623.8	678.9
23	MARIPOSA	17,977	171.3	953.1	651.8	548.5	755.2
24	YOLO	202,630	1,176.0	580.4	662.4	623.9	700.9
25	RIVERSIDE	2,220,502	14,449.3	650.7	672.8	661.8	683.9
26	INYO	18,687	201.7	1079.2	701.6	601.7	801.5
27	SOLANO	414,337	2,872.7	693.3	705.7	679.5	731.9
28	CALAVERAS	45,143	466.3	1033.0	716.6	647.2	785.9
29	KINGS	151,655	784.7	517.4	720.7	668.8	772.6
30	COLUSA	21,502	149.7	696.1	722.1	605.0	839.3
31	TUOLUMNE	55,041	607.3	1103.4	722.5	662.4	782.6
32	MERCED	259,289	1,519.3	586.0	722.9	686.2	759.7
33	MENDOCINO	88,071	809.0	918.6	724.4	672.9	776.0
34	MADERA	152,008	1,018.3	669.9	728.5	683.3	773.6
35	SACRAMENTO	1,430,884	10,307.0	720.3	730.9	716.6	745.2
36	GLENN	28,255	223.0	789.2	732.0	634.9	829.0
37	FRESNO	939,278	6,133.0	652.9	734.6	716.0	753.3
38	AMADOR	37,288	432.3	1159.4	737.1	664.5	809.7
39	SAN BERNARDINO	2,053,348	12,187.0	593.5	755.5	741.8	769.2
40	SUTTER	94,764	745.3	786.5	761.2	706.3	816.1
41	LASSEN	34,668	233.7	674.0	764.2	663.5	864.8
42	SAN JOAQUIN	692,862	4,829.3	697.0	766.1	744.2	787.9
43	TULARE	447,665	2,831.0	632.4	773.7	744.8	802.5
44	STANISLAUS	518,141	3,727.7	719.4	777.6	752.4	802.8
45	PLUMAS	19,953	226.0	1132.7	782.6	674.0	891.2
46	BUTTE	220,521	2,211.0	1002.6	790.2	756.2	824.2
47	TRINITY	13,546	151.3	1117.2	795.0	659.7	930.4
48	KERN	848,839	5,336.3	628.7	806.4	784.3	828.5
49	HUMBOLDT	135,218	1,228.0	908.2	818.5	771.6	865.3
50	SISKIYOU	44,875	533.7	1189.2	818.6	745.6	891.5
51	TEHAMA	63,514	623.3	981.4	820.6	755.1	886.1
52	MODOC	9,565	113.3	1184.9	847.5	685.2	1009.7
53	SHASTA	178,089	2,015.0	1131.5	860.4	821.9	898.9
54	YUBA	72,620	536.7	739.0	871.7	796.5	947.0
55	SIERRA	3,146	38.7	1229.1	884.1	627.7	1210.2
56	DEL NORTE	28,498	277.0	972.0	890.0	783.8	996.2
57	LAKE	64,419	812.3	1261.0	951.4	883.8	1019.0
58	ALPINE	1,118	10.0	894.5 *	1135.7 *	544.6	2088.5

* Rates are deemed unreliable based on fewer than 20 data elements.

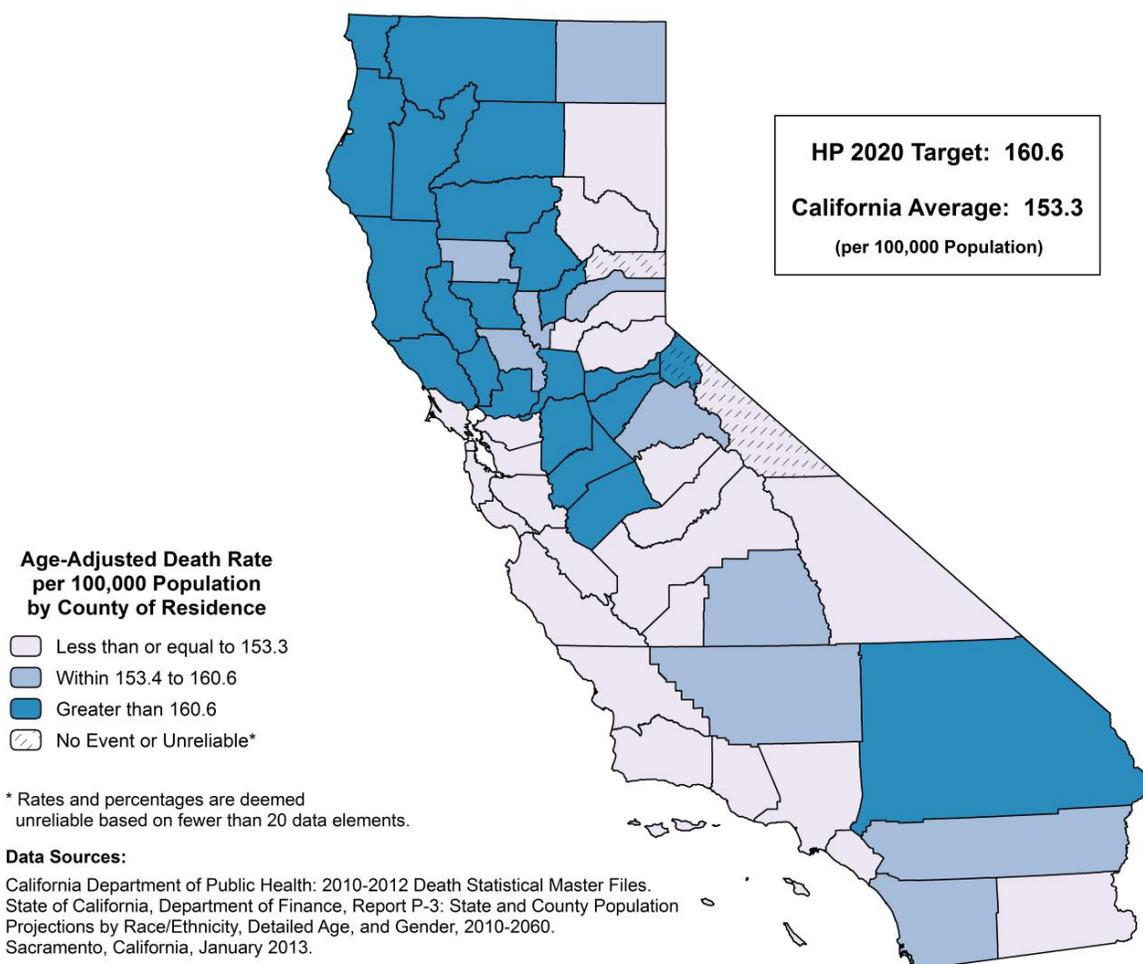
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060.

Sacramento, California, January 2013.

DEATHS DUE TO ALL CANCERS, 2010-2012



The crude death rate from all cancers for California was 150.7 deaths per 100,000 population, a risk of dying from all cancers equivalent to approximately one death for every 663.5 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 56,622.3 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 297.7 in Amador County to 104.4 in Kings County, a factor of 2.9 to 1.

The age-adjusted death rate from all cancers for California during the 2010 through 2012 three-year period was 153.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 195.9 in Lake County to 128.8 in Lassen County.

Thirty-four counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective C-1 of no more than 160.6 age-adjusted deaths due to all cancers per 100,000 population. An additional two counties with unreliable rates met the objective.

The California average age-adjusted death rate from all cancers for the 2007-2009 period was 161.0.

**TABLE 2
DEATHS DUE TO ALL CANCERS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,305	7.7	53.6 *	58.9 *	24.9	117.6
2	SIERRA	3,146	4.3	137.7 *	81.3 *	23.7	201.2
3	LASSEN	34,668	39.7	114.4	128.8	91.9	175.6
4	INYO	18,687	39.0	208.7	132.9	94.5	181.7
5	IMPERIAL	177,229	214.7	121.1	135.8	117.5	154.1
6	SANTA CLARA	1,806,881	2,360.7	130.6	136.5	131.0	142.1
7	PLUMAS	19,953	41.7	208.8	138.8	99.9	187.8
8	MARIPOSA	17,977	40.0	222.5	138.9	99.2	189.2
9	VENTURA	830,215	1,190.0	143.3	141.4	133.2	149.5
10	SANTA BARBARA	425,756	649.0	152.4	141.8	130.8	152.9
11	SAN MATEO	727,980	1,192.0	163.7	142.9	134.7	151.1
12	KINGS	151,655	158.3	104.4	143.6	120.6	166.5
13	SANTA CRUZ	265,569	387.7	146.0	144.3	129.4	159.1
14	MARIN	254,359	505.0	198.5	144.3	131.4	157.2
15	ORANGE	3,047,120	4,406.0	144.6	144.8	140.5	149.2
16	MONTEREY	419,998	566.0	134.8	146.2	134.0	158.4
17	MADERA	152,008	213.3	140.3	148.6	128.4	168.7
18	EL DORADO	180,663	332.0	183.8	148.7	132.3	165.1
19	SAN FRANCISCO	813,123	1,394.0	171.4	148.9	140.9	156.8
20	ALAMEDA	1,526,220	2,237.7	146.6	149.3	143.0	155.6
21	LOS ANGELES	9,860,836	13,990.0	141.9	149.3	146.8	151.8
22	FRESNO	939,278	1,227.3	130.7	149.6	141.1	158.1
23	SAN BENITO	55,950	73.3	131.1	150.0	117.6	188.4
24	SAN LUIS OBISPO	270,119	516.7	191.3	150.2	137.0	163.4
25	CONTRA COSTA	1,061,375	1,746.3	164.5	153.2	145.9	160.5
26	PLACER	356,367	673.7	189.0	153.3	141.6	165.0
	CALIFORNIA	37,570,307	56,622.3	150.7	153.3	152.0	154.6
27	TULARE	447,665	560.0	125.1	153.5	140.7	166.4
28	NEVADA	98,593	238.0	241.4	154.9	134.5	175.3
29	YOLO	202,630	273.3	134.9	155.4	136.6	174.1
30	TUOLUMNE	55,041	138.3	251.3	156.5	129.7	183.3
31	RIVERSIDE	2,220,502	3,383.0	152.4	157.0	151.7	162.3
32	KERN	848,839	1,059.0	124.8	157.0	147.4	166.7
33	SAN DIEGO	3,125,321	4,872.7	155.9	158.7	154.1	163.2
34	GLENN	28,255	49.0	173.4	159.4	117.9	210.8
35	MODOC	9,565	23.7	247.4	159.7	102.0	238.2
36	SUTTER	94,764	158.7	167.4	160.6	135.5	185.6
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: C-1					160.6	
37	MERCED	259,289	340.0	131.1	161.1	143.8	178.4
38	CALAVERAS	45,143	117.0	259.2	161.7	130.9	192.6
39	SONOMA	486,778	942.7	193.7	162.2	151.6	172.8
40	STANISLAUS	518,141	783.7	151.2	163.1	151.5	174.6
41	MENDOCINO	88,071	192.3	218.4	164.4	140.4	188.4
42	NAPA	137,634	285.3	207.3	166.3	146.7	186.0
43	SAN BERNARDINO	2,053,348	2,763.0	134.6	167.0	160.6	173.4
44	SAN JOAQUIN	692,862	1,067.0	154.0	169.9	159.5	180.2
45	SACRAMENTO	1,430,884	2,403.7	168.0	171.8	164.8	178.8
46	COLUSA	21,502	36.3	169.0	175.1	122.9	242.1
47	SOLANO	414,337	735.7	177.6	175.6	162.6	188.5
48	HUMBOLDT	135,218	269.7	199.4	176.2	154.6	197.7
49	TRINITY	13,546	37.3	275.6	178.8	126.1	246.2
50	BUTTE	220,521	501.3	227.3	180.8	164.6	197.0
51	AMADOR	37,288	111.0	297.7	181.0	146.4	215.6
52	YUBA	72,620	116.0	159.7	182.6	148.7	216.5
53	SHASTA	178,089	438.3	246.1	182.7	165.2	200.1
54	SISKIYOU	44,875	130.0	289.7	188.1	154.6	221.6
55	TEHAMA	63,514	149.7	235.6	188.4	157.9	218.9
56	DEL NORTE	28,498	61.7	216.4	188.5	144.4	241.9
57	LAKE	64,419	177.0	274.8	195.9	166.3	225.5
58	ALPINE	1,118	2.0	178.9 *	343.4 *	41.6	1240.4

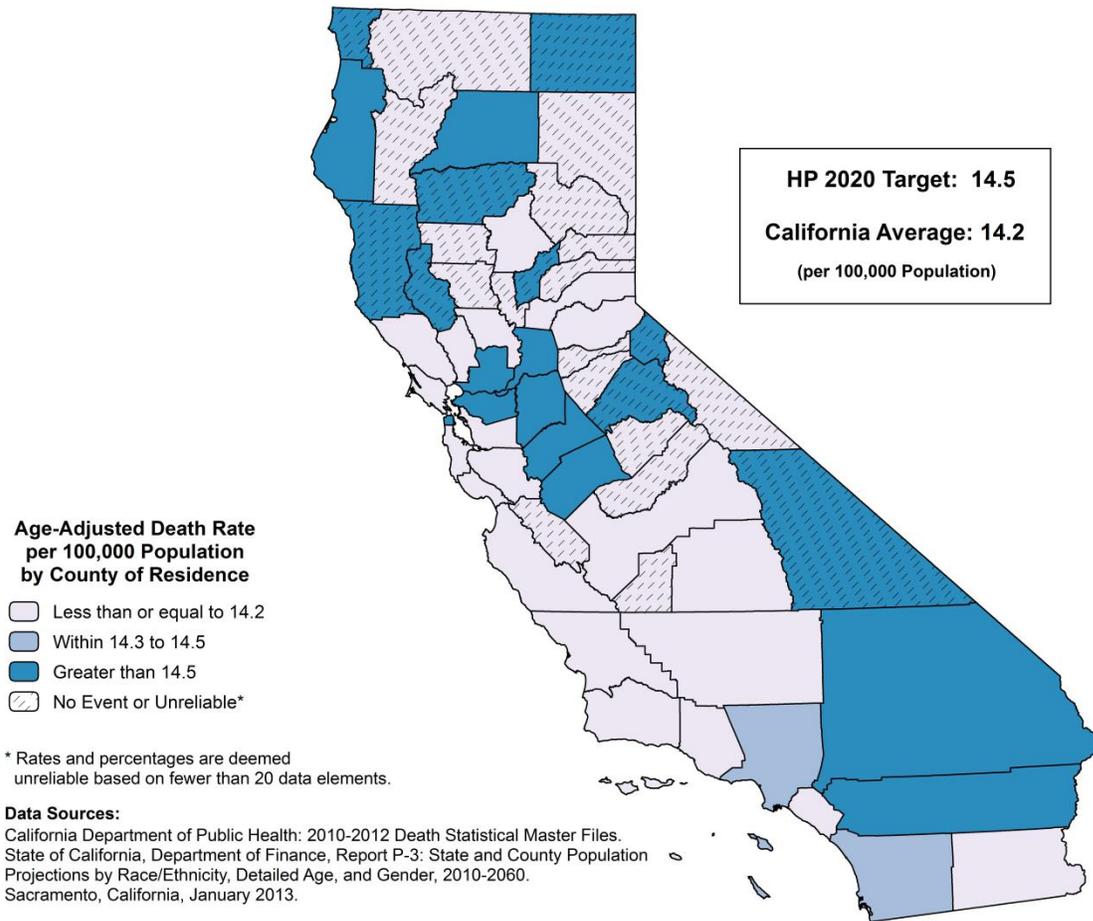
* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DEATHS DUE TO COLORECTAL CANCER, 2010-2012



The crude death rate from colorectal cancer for California was 14.1 deaths per 100,000 population, a risk of dying from colorectal cancer equivalent to approximately one death for every 7,093.7 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 5,296.3 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 23.2 in Shasta County to 9.9 in Monterey County, a factor of 2.3 to 1.

The age-adjusted death rate from colorectal cancer for California during the 2010 through 2012 three-year period was 14.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 18.0 in Merced County to 10.6 in Monterey County.

Twenty-two counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective C-5 of no more than 14.5 age-adjusted deaths due to colorectal cancer per 100,000 population. An additional fifteen counties with unreliable rates and one county with no colorectal cancer deaths met the objective.

The California average age-adjusted death rate from colorectal cancer for the 2007-2009 period was 15.1.

**TABLE 3
DEATHS DUE TO COLORECTAL CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	SIERRA	3,146	0.0	-	-	-	-
2	MARIPOSA	17,977	1.7	9.3 *	4.9 *	0.4	19.6
3	COLUSA	21,502	1.3	6.2 *	5.7 *	0.3	26.5
4	MONO	14,305	0.7	4.7 *	6.2 *	0.0	46.4
5	TRINITY	13,546	2.0	14.8 *	10.1 *	1.2	36.5
6	MONTEREY	419,998	41.7	9.9	10.6	7.6	14.4
7	MARIN	254,359	39.7	15.6	10.8	7.7	14.7
8	KINGS	151,655	12.0	7.9 *	11.0 *	5.7	19.2
9	LASSEN	34,668	3.3	9.6 *	11.2 *	2.6	31.1
10	SUTTER	94,764	11.3	12.0 *	11.5 *	5.8	20.4
11	NEVADA	98,593	17.0	17.2 *	11.5 *	6.7	18.4
12	SAN BENITO	55,950	5.3	9.5 *	11.6 *	3.9	26.4
13	PLACER	356,367	52.0	14.6	11.9	8.9	15.6
14	SANTA CLARA	1,806,881	218.7	12.1	12.4	10.7	14.0
15	ORANGE	3,047,120	383.7	12.6	12.4	11.1	13.6
16	AMADOR	37,288	7.7	20.6 *	12.4 *	5.2	24.7
17	PLUMAS	19,953	3.7	18.4 *	12.4 *	3.1	33.0
18	GLENN	28,255	3.7	13.0 *	12.4 *	3.1	33.1
19	SANTA CRUZ	265,569	33.3	12.6	12.5	8.6	17.5
20	YOLO	202,630	22.7	11.2	12.7	8.0	19.2
21	SAN MATEO	727,980	109.7	15.1	12.8	10.4	15.3
22	VENTURA	830,215	112.0	13.5	13.0	10.5	15.4
23	SAN LUIS OBISPO	270,119	45.3	16.8	13.0	9.5	17.4
24	SANTA BARBARA	425,756	60.7	14.2	13.2	10.1	16.9
25	NAPA	137,634	22.3	16.2	13.2	8.3	19.9
26	TULARE	447,665	48.0	10.7	13.3	9.8	17.6
27	SISKIYOU	44,875	9.0	20.1 *	13.4 *	6.1	25.4
28	CALAVERAS	45,143	9.3	20.7 *	13.5 *	6.3	25.3
29	FRESNO	939,278	111.0	11.8	13.5	10.9	16.0
30	ALAMEDA	1,526,220	209.3	13.7	13.7	11.8	15.6
31	MADERA	152,008	19.7	12.9 *	13.7 *	8.3	21.2
32	IMPERIAL	177,229	21.7	12.2	13.7	8.6	20.9
33	KERN	848,839	92.3	10.9	13.8	11.1	16.9
34	EL DORADO	180,663	29.3	16.2	13.8	9.2	19.7
35	BUTTE	220,521	40.0	18.1	13.9	9.9	18.9
36	SONOMA	486,778	82.0	16.8	13.9	11.0	17.2
	CALIFORNIA	37,570,307	5,296.3	14.1	14.2	13.8	14.6
37	SAN DIEGO	3,125,321	447.3	14.3	14.4	13.0	15.7
38	LOS ANGELES	9,860,836	1,362.7	13.8	14.4	13.6	15.2
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: C-5					14.5	
39	INYO	18,687	4.0	21.4 *	14.7 *	4.0	37.7
40	CONTRA COSTA	1,061,375	169.7	16.0	14.8	12.5	17.0
41	SAN JOAQUIN	692,862	95.0	13.7	15.0	12.1	18.4
42	HUMBOLDT	135,218	22.3	16.5	15.1	9.5	22.8
43	YUBA	72,620	9.7	13.3 *	15.3 *	7.2	28.5
44	SOLANO	414,337	64.7	15.6	15.4	11.9	19.7
45	SAN FRANCISCO	813,123	146.7	18.0	15.5	13.0	18.0
46	MENDOCINO	88,071	17.7	20.1 *	15.6 *	9.2	24.8
47	SACRAMENTO	1,430,884	223.3	15.6	16.1	13.9	18.2
48	RIVERSIDE	2,220,502	346.7	15.6	16.2	14.5	17.9
49	DEL NORTE	28,498	5.3	18.7 *	16.2 *	5.5	36.9
50	TUOLUMNE	55,041	13.7	24.8 *	16.3 *	8.8	27.5
51	LAKE	64,419	14.7	22.8 *	16.7 *	9.3	27.8
52	SHASTA	178,089	41.3	23.2	17.4	12.5	23.6
53	STANISLAUS	518,141	82.7	16.0	17.4	13.9	21.6
54	SAN BERNARDINO	2,053,348	289.7	14.1	17.8	15.7	19.9
55	MERCED	259,289	37.3	14.4	18.0	12.7	24.7
56	TEHAMA	63,514	14.7	23.1 *	18.5 *	10.3	30.8
57	ALPINE	1,118	0.3	29.8 *	26.3 *	0.0	344.3
58	MODOC	9,565	4.0	41.8 *	26.7 *	7.3	68.3

* Rates are deemed unreliable based on fewer than 20 data elements.

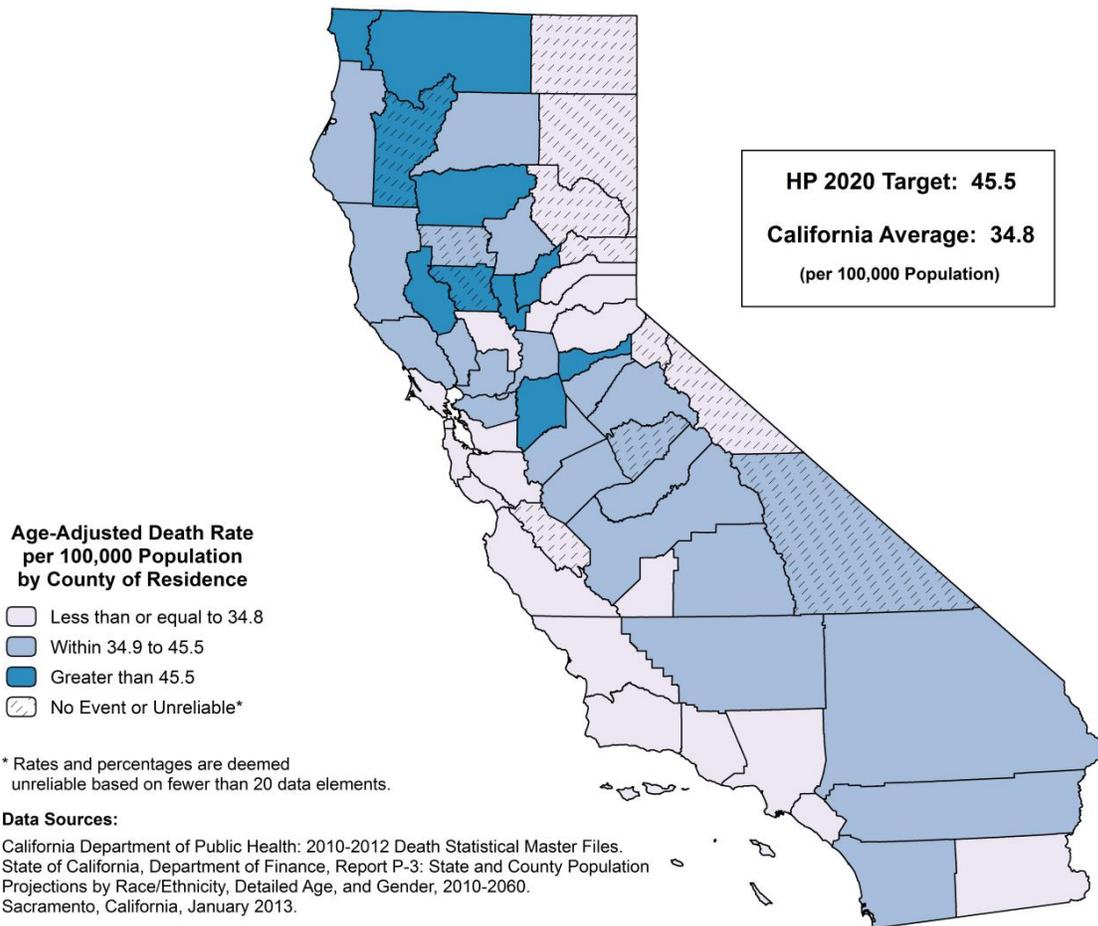
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DEATHS DUE TO LUNG CANCER, 2010-2012



The crude death rate from lung cancer for California was 33.7 deaths per 100,000 population, a risk of dying from lung cancer equivalent to approximately one death for every 2,963.4 persons. This rate was based on the 2010 through 2012 three-year average number of deaths equaling 12,678.0 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 86.7 in Amador County to 23.3 in Kings County, a factor of 3.7 to 1.

The age-adjusted death rate from lung cancer for California during the 2010 through 2012 three-year period was 34.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 61.9 in Del Norte County to 26.3 in Santa Cruz County.

Thirty-eight counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective C-2 of no more than 45.5 age-adjusted deaths due to lung cancer per 100,000 population. An additional ten counties with unreliable rates met the objective.

The California average age-adjusted death rate from lung cancer for the 2007-2009 period was 38.8.

**TABLE 4
DEATHS DUE TO LUNG CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS		
						LOWER	UPPER	
1	MONO	14,305	1.0	7.0 *	6.9 *	0.2	38.5	
2	SIERRA	3,146	1.0	31.8 *	17.9 *	0.5	99.6	
3	SANTA CRUZ	265,569	67.3	25.4	26.3	20.4	33.4	
4	SANTA CLARA	1,806,881	476.7	26.4	28.1	25.5	30.6	
5	IMPERIAL	177,229	44.3	25.0	28.2	20.5	37.8	
6	VENTURA	830,215	239.0	28.8	28.8	25.1	32.5	
7	SANTA BARBARA	425,756	132.0	31.0	29.2	24.2	34.3	
8	MODOC	9,565	4.7	48.8 *	29.4 *	9.1	70.5	
9	PLUMAS	19,953	10.0	50.1 *	31.0 *	14.9	57.1	
10	LOS ANGELES	9,860,836	2,889.3	29.3	31.4	30.2	32.6	
11	SAN MATEO	727,980	259.7	35.7	31.4	27.6	35.3	
12	SAN BENITO	55,950	16.0	28.6 *	31.5 *	18.0	51.1	
13	YOLO	202,630	56.0	27.6	32.1	24.3	41.7	
14	EL DORADO	180,663	74.3	41.1	32.4	25.5	40.7	
15	MARIN	254,359	112.3	44.2	32.5	26.4	38.7	
16	ORANGE	3,047,120	976.3	32.0	32.7	30.6	34.8	
17	ALAMEDA	1,526,220	484.3	31.7	32.9	29.9	35.9	
18	ALPINE	1,118	0.7	59.6 *	33.1 *	0.2	247.1	
19	KINGS	151,655	35.3	23.3	33.1	23.1	46.0	
20	PLACER	356,367	146.0	41.0	33.1	27.7	38.5	
21	SAN LUIS OBISPO	270,119	114.3	42.3	33.5	27.2	39.7	
22	MONTEREY	419,998	128.0	30.5	33.8	27.9	39.8	
23	NEVADA	98,593	53.7	54.4	34.0	25.5	44.4	
24	LASSEN	34,668	10.0	28.8 *	34.1 *	16.3	62.7	
25	SAN FRANCISCO	813,123	321.3	39.5	34.7	30.9	38.5	
	CALIFORNIA	37,570,307	12,678.0	33.7	34.8	34.2	35.5	
26	TUOLUMNE	55,041	32.3	58.7	34.9	23.9	49.2	
27	FRESNO	939,278	283.7	30.2	35.3	31.1	39.5	
28	GLENN	28,255	11.3	40.1 *	35.3 *	17.8	62.7	
29	SAN DIEGO	3,125,321	1,084.3	34.7	36.1	33.9	38.3	
30	CONTRA COSTA	1,061,375	404.7	38.1	36.3	32.7	39.9	
31	CALAVERAS	45,143	29.0	64.2	37.1	24.8	53.2	
32	NAPA	137,634	63.3	46.0	37.4	28.7	47.8	
33	RIVERSIDE	2,220,502	808.0	36.4	37.6	35.0	40.2	
34	MADERA	152,008	54.7	36.0	38.5	29.0	50.1	
35	SAN BERNARDINO	2,053,348	625.3	30.5	38.8	35.7	41.9	
36	SONOMA	486,778	223.0	45.8	38.9	33.7	44.2	
37	MERCED	259,289	82.7	31.9	39.5	31.4	49.0	
38	TULARE	447,665	144.7	32.3	40.1	33.5	46.7	
39	INYO	18,687	11.7	62.4 *	40.2 *	20.5	70.7	
40	STANISLAUS	518,141	191.7	37.0	40.3	34.5	46.0	
41	KERN	848,839	269.7	31.8	40.6	35.6	45.5	
42	MENDOCINO	88,071	49.7	56.4	42.2	31.3	55.7	
43	HUMBOLDT	135,218	64.7	47.8	42.8	33.0	54.6	
44	SHASTA	178,089	105.7	59.3	43.3	34.9	51.6	
45	SACRAMENTO	1,430,884	600.7	42.0	43.6	40.0	47.1	
46	MARIPOSA	17,977	13.0	72.3 *	44.0 *	23.4	75.3	
47	SOLANO	414,337	184.0	44.4	44.1	37.6	50.6	
48	BUTTE	220,521	123.3	55.9	45.1	37.0	53.2	
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: C-2					45.5		
49	SAN JOAQUIN	692,862	280.3	40.5	45.7	40.3	51.1	
50	SUTTER	94,764	46.7	49.2	47.1	34.5	62.6	
51	TRINITY	13,546	10.7	78.7 *	50.2 *	24.7	90.5	
52	YUBA	72,620	31.0	42.7	50.4	34.2	71.5	
53	AMADOR	37,288	32.3	86.7	51.0	35.0	71.9	
54	SISKIYOU	44,875	37.0	82.5	51.4	36.2	70.9	
55	TEHAMA	63,514	42.3	66.7	53.0	38.2	71.5	
56	COLUSA	21,502	11.3	52.7 *	54.7 *	27.7	97.1	
57	LAKE	64,419	51.7	80.2	55.1	41.1	72.4	
58	DEL NORTE	28,498	20.0	70.2	61.9	37.8	95.6	

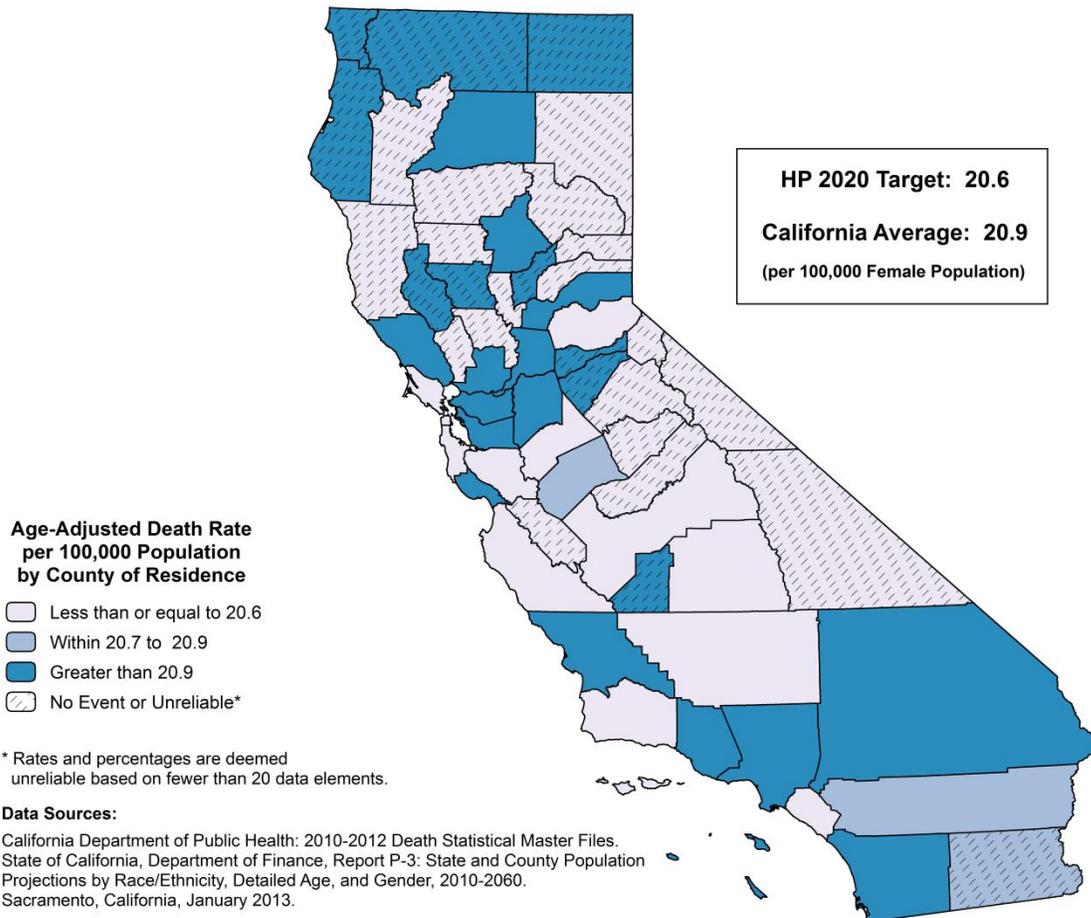
* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DEATHS DUE TO FEMALE BREAST CANCER, 2010-2012



The crude death rate from female breast cancer for California was 22.8 deaths per 100,000 female population, a risk of dying from breast cancer equivalent to approximately one death for every 4,380.3 females. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 4,311.7 and a female population count of 18,886,503 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 34.2 in Shasta County to 17.5 in Tulare County, a factor of 2.0 to 1.

The age-adjusted death rate from female breast cancer for California during the 2010 through 2012 three-year period was 20.9 deaths per 100,000 female population. Reliable age-adjusted death rates ranged from 26.0 in Placer County to 17.7 in Santa Barbara County and San Francisco County.

Twelve counties with reliable age-adjusted death rates met the Healthy People 2020 National Objective C-3 of no more than 20.6 age-adjusted deaths due to female breast cancer per 100,000 female population. An additional seventeen counties with unreliable rates and one county with no female breast cancer deaths met the objective. The statewide age-adjusted death rate for female breast cancer did not meet the national objective.

The California average age-adjusted death rate for female breast cancer for the 2007-2009 period was 22.1.

**TABLE 5
DEATHS DUE TO FEMALE BREAST CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 FEMALE POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	542	0.0	-	-	-	-
2	MONO	6,727	0.3	5.0 *	3.1 *	0.0	41.0
3	TRINITY	6,567	0.7	10.2 *	5.7 *	0.0	42.2
4	SIERRA	1,545	0.3	21.6 *	8.3 *	0.0	108.9
5	PLUMAS	9,971	1.7	16.7 *	8.8 *	0.8	35.5
6	MARIPOSA	8,857	1.7	18.8 *	10.0 *	0.9	40.1
7	LASSEN	12,412	2.0	16.1 *	10.4 *	1.3	37.5
8	MADERA	78,298	11.7	14.9 *	14.9 *	7.6	26.2
9	TUOLUMNE	26,053	7.7	29.4 *	15.7 *	6.6	31.4
10	YOLO	103,964	15.3	14.7 *	15.8 *	8.9	25.8
11	NEVADA	49,919	14.0	28.0 *	16.8 *	9.2	28.3
12	SUTTER	47,702	9.0	18.9 *	16.9 *	7.7	32.0
13	TEHAMA	31,876	7.3	23.0 *	17.2 *	7.1	34.8
14	INYO	9,209	3.0	32.6 *	17.4 *	3.6	50.7
15	SANTA BARBARA	211,998	43.7	20.6	17.7	12.8	23.8
16	SAN FRANCISCO	400,862	87.3	21.8	17.7	14.2	21.8
17	SANTA CLARA	900,393	173.7	19.3	17.8	15.1	20.5
18	EL DORADO	90,377	22.3	24.7	18.3	11.5	27.7
19	STANISLAUS	261,663	49.3	18.9	18.6	13.8	24.6
20	FRESNO	469,537	86.0	18.3	19.0	15.2	23.5
21	MARIN	129,509	37.3	28.8	19.2	13.6	26.5
22	TULARE	223,201	39.0	17.5	19.2	13.7	26.3
23	NAPA	68,884	18.0	26.1 *	19.4 *	11.5	30.7
24	ORANGE	1,540,252	336.0	21.8	19.5	17.4	21.6
25	SAN BENITO	28,140	5.7	20.1 *	19.5 *	6.9	43.3
26	SAN MATEO	369,857	92.0	24.9	19.6	15.8	24.0
27	GLENN	13,980	3.3	23.8 *	20.2 *	4.6	56.1
28	KERN	411,019	75.0	18.2	20.2	15.9	25.4
29	MONTEREY	204,221	44.0	21.5	20.3	14.7	27.2
30	MENDOCINO	43,896	13.0	29.6 *	20.6 *	11.0	35.3
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: C-3					20.6		
31	IMPERIAL	86,144	17.0	19.7 *	20.7 *	12.0	33.1
32	MERCED	128,603	24.0	18.7	20.7	13.3	30.9
33	RIVERSIDE	1,115,181	242.3	21.7	20.8	18.2	23.5
	CALIFORNIA	18,886,503	4,311.7	22.8	20.9	20.3	21.5
34	ALAMEDA	777,759	178.3	22.9	21.0	17.8	24.1
35	KINGS	65,741	11.7	17.7 *	21.0 *	10.7	36.9
36	YUBA	35,980	7.7	21.3 *	21.1 *	8.9	42.1
37	DEL NORTE	12,649	3.7	29.0 *	21.3 *	5.4	56.7
38	LOS ANGELES	4,996,079	1,142.3	22.9	21.4	20.1	22.6
39	SAN JOAQUIN	347,612	76.3	22.0	21.5	17.0	26.9
40	VENTURA	417,811	102.3	24.5	21.5	17.3	25.8
41	SAN DIEGO	1,556,284	365.7	23.5	21.6	19.4	23.8
42	SACRAMENTO	729,256	174.0	23.9	22.0	18.7	25.4
43	SAN LUIS OBISPO	132,094	38.7	29.3	22.1	15.7	30.3
44	CONTRA COSTA	543,509	142.7	26.2	22.2	18.5	25.9
45	LAKE	32,020	10.7	33.3 *	22.9 *	11.3	41.4
46	BUTTE	111,398	33.0	29.6	23.0	15.8	32.3
47	HUMBOLDT	67,112	19.7	29.3 *	23.1 *	14.0	35.7
48	SHASTA	90,541	31.0	34.2	23.3	15.8	33.0
49	SOLANO	207,225	54.7	26.4	23.4	17.6	30.5
50	SAN BERNARDINO	1,032,116	224.3	21.7	23.6	20.4	26.7
51	CALAVERAS	22,546	9.0	39.9 *	23.6 *	10.8	44.9
52	SANTA CRUZ	133,099	36.3	27.3	24.1	16.9	33.3
53	SONOMA	247,141	79.7	32.2	24.8	19.6	30.8
54	PLACER	182,487	62.0	34.0	26.0	19.9	33.3
55	COLUSA	10,451	2.7	25.5 *	26.2 *	4.7	81.3
56	MODOC	4,770	1.7	34.9 *	27.2 *	2.4	109.1
57	SISKIYOU	22,439	10.7	47.5 *	28.0 *	13.8	50.5
58	AMADOR	17,024	9.3	54.8 *	32.2 *	15.0	60.4

* Rates are deemed unreliable based on fewer than 20 data elements.

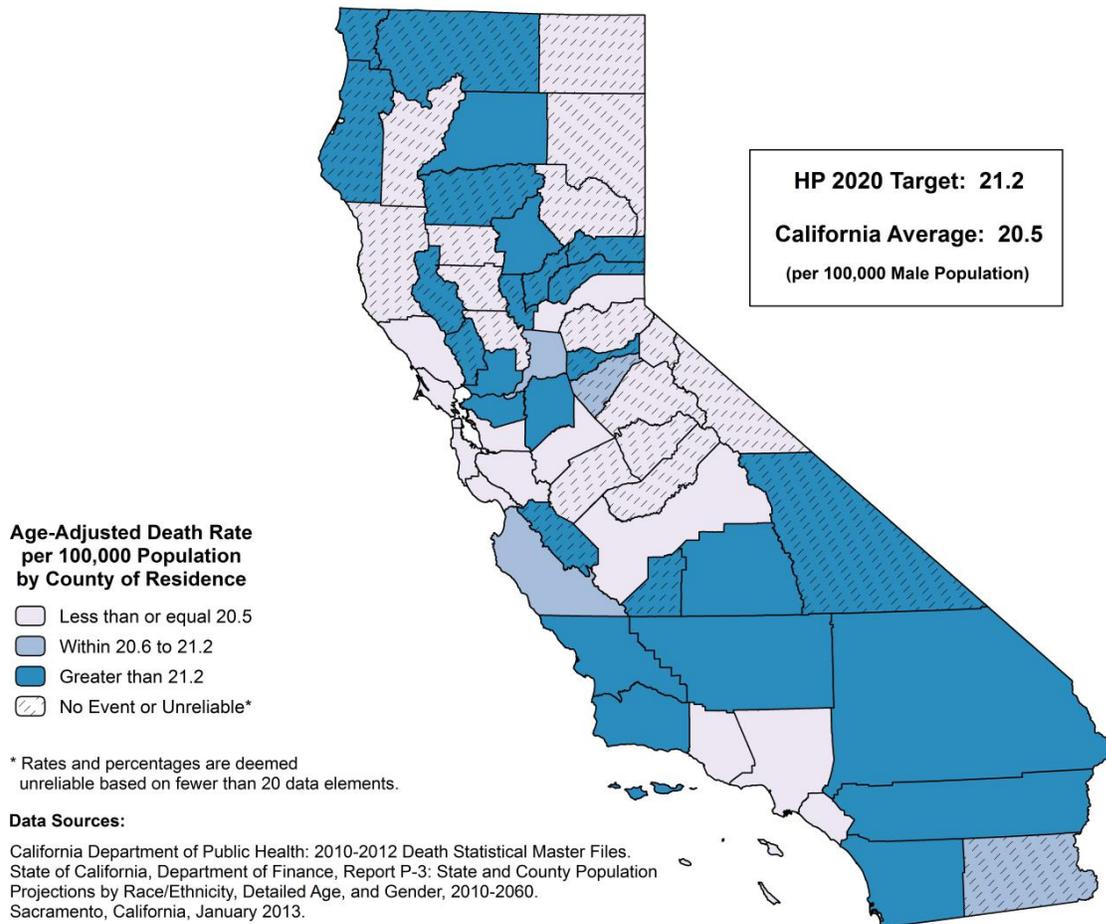
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DEATHS DUE TO PROSTATE CANCER, 2010-2012



The crude death rate from male prostate cancer for California was 16.2 deaths per 100,000 male population, a risk of dying from prostate cancer equivalent to approximately one death for every 6,167.7 males. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 3,029.3 and a male population count of 18,683,804 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 28.1 in Butte County to 12.6 in Fresno County, a factor of 2.2 to 1.

The age-adjusted death rate from male prostate cancer for California during the 2010 through 2012 three-year period was 20.5 deaths per 100,000 male population. Reliable age-adjusted death rates ranged from 24.6 in Butte County to 16.2 in San Francisco County.

Fifteen counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective C-7 of no more than 21.2 age-adjusted deaths due to prostate cancer per 100,000 male population. An additional sixteen counties with unreliable rates and one county with no prostate cancer deaths met the objective.

The California average age-adjusted death rate from male prostate cancer for the 2007-2009 period was 22.7.

**TABLE 6
DEATHS DUE TO PROSTATE CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 MALE POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	576	0.0	-	-	-	-
2	LASSEN	22,256	0.7	3.0 *	4.1 *	0.0	30.8
3	PLUMAS	9,982	1.0	10.0 *	7.6 *	0.2	42.3
4	MONO	7,578	0.7	8.8 *	9.7 *	0.0	72.4
5	GLENN	14,275	1.3	9.3 *	9.9 *	0.6	45.8
6	MODOC	4,795	0.7	13.9 *	11.3 *	0.1	84.7
7	TUOLUMNE	28,988	6.0	20.7 *	14.5 *	5.3	31.6
8	MARIPOSA	9,120	1.7	18.3 *	15.0 *	1.3	60.3
9	MENDOCINO	44,175	7.7	17.4 *	15.2 *	6.4	30.4
10	MADERA	73,710	9.7	13.1 *	16.0 *	7.6	29.8
11	SAN FRANCISCO	412,261	63.7	15.4	16.2	12.5	20.7
12	MARIN	124,850	23.3	18.7	16.3	10.3	24.3
13	EL DORADO	90,286	14.7	16.2 *	17.0 *	9.5	28.3
14	SANTA CLARA	906,488	118.0	13.0	17.1	14.0	20.3
15	MERCED	130,686	14.3	11.0 *	17.7 *	9.8	29.6
16	FRESNO	469,741	59.3	12.6	18.2	13.8	23.4
17	PLACER	173,880	34.0	19.6	18.8	13.0	26.3
18	TRINITY	6,979	2.0	28.7 *	19.0 *	2.3	68.5
19	SONOMA	239,637	44.3	18.5	19.1	13.9	25.5
20	ORANGE	1,506,868	228.3	15.2	19.1	16.6	21.6
21	SAN MATEO	358,123	64.7	18.1	19.2	14.8	24.5
22	VENTURA	412,404	65.3	15.8	19.4	15.0	24.7
23	COLUSA	11,051	1.7	15.1 *	19.5 *	1.7	78.3
24	STANISLAUS	256,478	37.3	14.6	19.6	13.8	27.0
25	YOLO	98,666	13.3	13.5 *	19.8 *	10.6	33.6
26	SANTA CRUZ	132,470	22.3	16.9	20.2	12.7	30.5
27	LOS ANGELES	4,864,757	744.3	15.3	20.3	18.9	21.8
28	ALAMEDA	748,461	119.3	15.9	20.3	16.6	24.1
	CALIFORNIA	18,683,804	3,029.3	16.2	20.5	19.8	21.3
29	SACRAMENTO	701,628	113.0	16.1	20.7	16.9	24.6
30	MONTEREY	215,777	32.0	14.8	21.0	14.4	29.6
31	CALAVERAS	22,597	6.7	29.5 *	21.1 *	8.3	44.2
32	IMPERIAL	91,085	14.0	15.4 *	21.2 *	11.6	35.5
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: C-7					21.2	
33	CONTRA COSTA	517,866	97.3	18.8	21.3	17.2	25.9
34	KINGS	85,914	8.0	9.3 *	21.3 *	9.2	42.0
35	SUTTER	47,062	8.3	17.7 *	21.9 *	9.6	42.6
36	RIVERSIDE	1,105,321	200.3	18.1	22.0	18.9	25.1
37	SAN LUIS OBISPO	138,025	32.7	23.7	22.0	15.1	31.0
38	NAPA	68,750	16.3	23.8 *	22.1 *	12.7	35.7
39	SAN JOAQUIN	345,250	54.3	15.7	22.3	16.7	29.0
40	TULARE	224,464	31.3	14.0	22.3	15.2	31.6
41	SAN DIEGO	1,569,037	285.3	18.2	22.4	19.8	25.0
42	SANTA BARBARA	213,758	44.3	20.7	22.6	16.5	30.4
43	KERN	437,820	56.3	12.9	22.8	17.3	29.6
44	DEL NORTE	15,849	3.0	18.9 *	23.3 *	4.8	68.1
45	SHASTA	87,548	23.7	27.0	23.4	14.9	34.9
46	AMADOR	20,264	6.3	31.3 *	23.6 *	9.0	50.5
47	HUMBOLDT	68,106	14.7	21.5 *	23.7 *	13.1	39.2
48	TEHAMA	31,638	8.3	26.3 *	23.7 *	10.4	46.1
49	SOLANO	207,112	37.3	18.0	23.8	16.8	32.8
50	SAN BERNARDINO	1,021,232	149.0	14.6	24.5	20.5	28.6
51	BUTTE	109,123	30.7	28.1	24.6	16.6	34.9
52	SISKIYOU	22,436	8.0	35.7 *	24.8 *	10.7	48.9
53	INYO	9,478	3.3	35.2 *	26.5 *	6.1	73.8
54	LAKE	32,399	10.3	31.9 *	27.1 *	13.2	49.4
55	NEVADA	48,674	19.3	39.7 *	28.1 *	17.0	43.7
56	YUBA	36,640	7.3	20.0 *	28.7 *	11.8	58.1
57	SAN BENITO	27,810	7.0	25.2 *	39.0 *	15.7	80.4
58	SIERRA	1,601	1.0	62.5 *	40.4 *	1.0	225.2

* Rates are deemed unreliable based on fewer than 20 data elements.

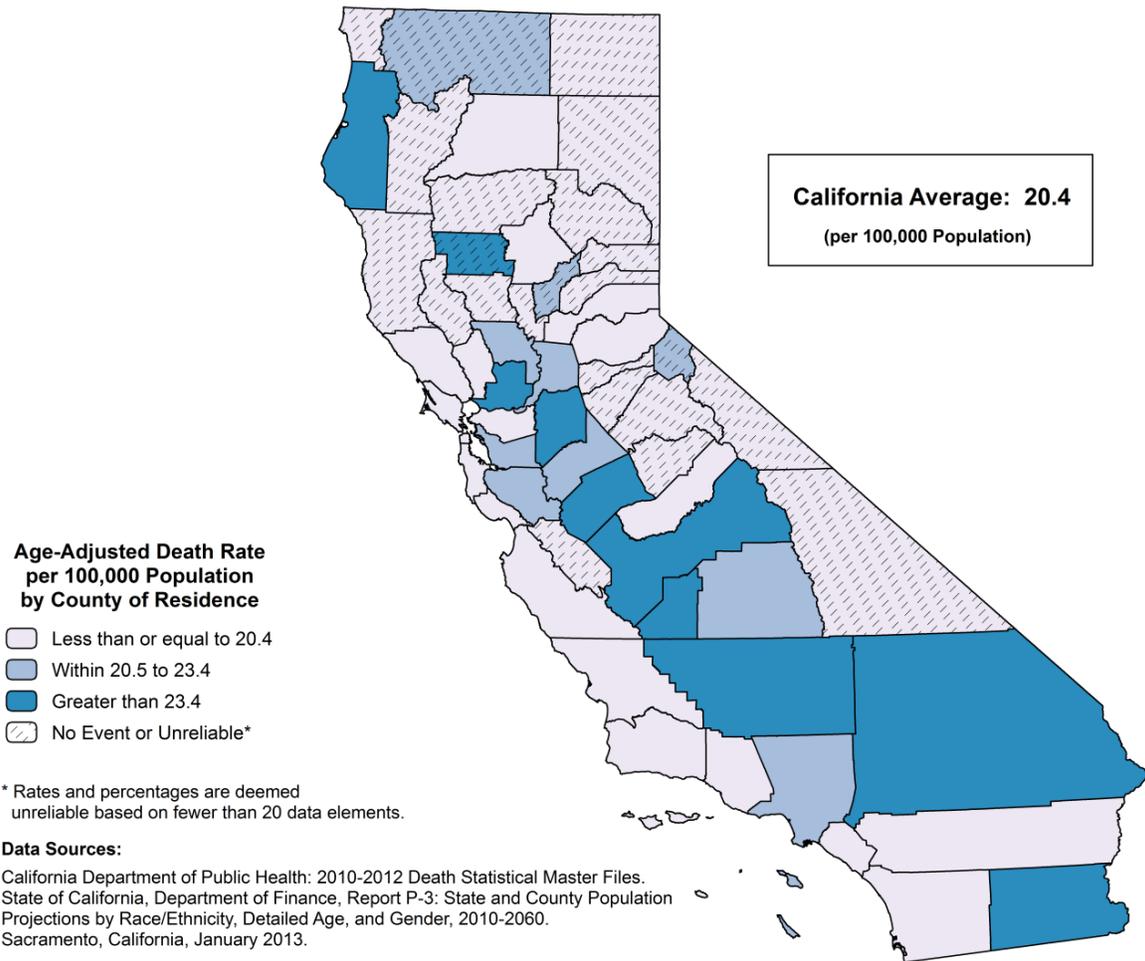
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DEATHS DUE TO DIABETES, 2010-2012



The crude death rate from diabetes for California was 20.0 deaths per 100,000 population, a risk of dying from diabetes equivalent to approximately one death for every 4,996.7 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 7,519.0 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 29.6 in Humboldt County to 12.6 in Marin County, a factor of 2.4 to 1.

The age-adjusted death rate from diabetes for California during the 2010 through 2012 three-year period was 20.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 34.2 in San Bernardino County to 8.9 in Marin County.

The Healthy People 2020 National Objective D-3 for diabetes mortality is based on both underlying and contributing causes of death. This report does not utilize multiple causes of death data. Therefore, California's progress in meeting this objective will not be addressed in this report.

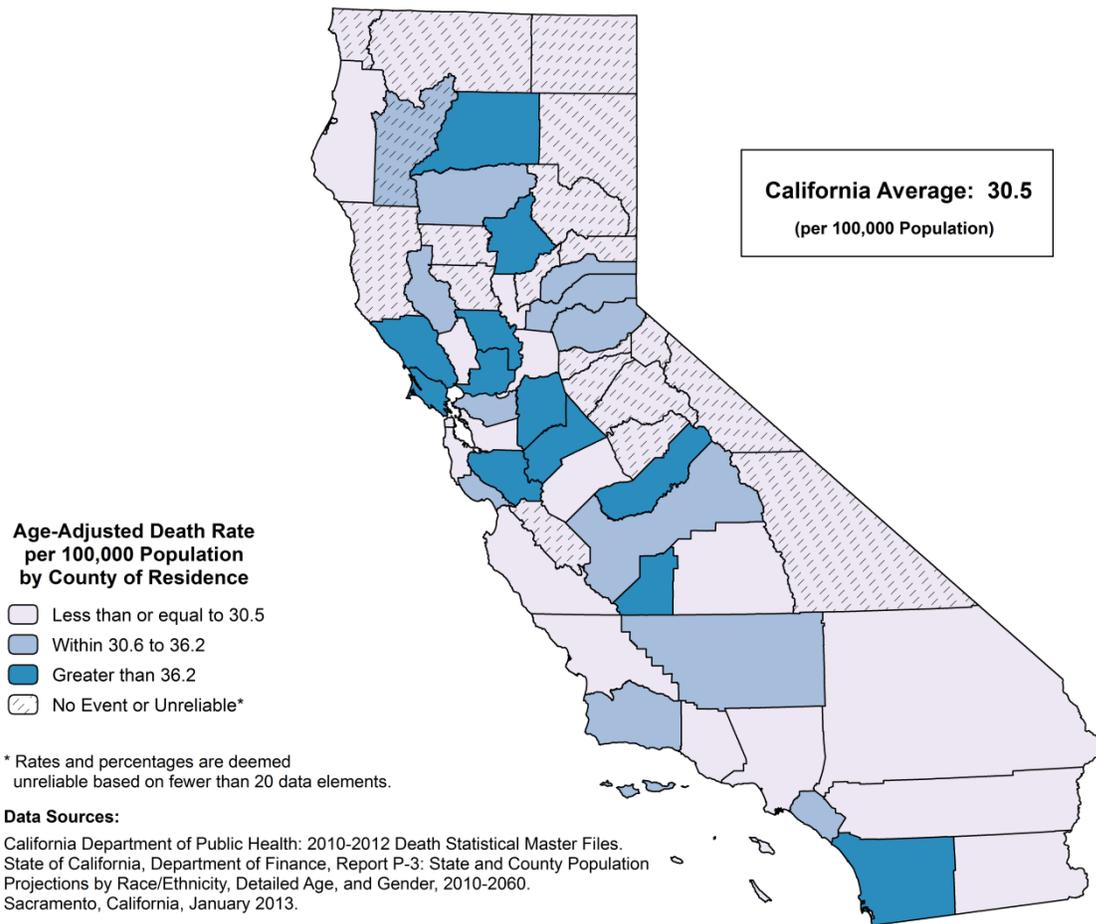
The California average age-adjusted death rate from diabetes for the 2007-2009 period was 21.2.

**TABLE 7
DEATHS DUE TO DIABETES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: D3 NOT APPLICABLE							
1	AMADOR	37,288	4.0	10.7 *	6.4 *	1.7	16.4
2	MONO	14,305	0.7	4.7 *	7.9 *	0.0	59.1
3	MARIN	254,359	32.0	12.6	8.9	6.1	12.6
4	MODOC	9,565	1.7	17.4 *	10.2 *	0.9	40.9
5	NEVADA	98,593	14.7	14.9 *	10.2 *	5.7	17.0
6	COLUSA	21,502	2.3	10.9 *	10.5 *	1.6	34.9
7	TRINITY	13,546	2.3	17.2 *	10.8 *	1.6	35.7
8	SAN MATEO	727,980	100.0	13.7	11.9	9.5	14.2
9	SAN FRANCISCO	813,123	113.3	13.9	11.9	9.7	14.2
10	PLUMAS	19,953	3.7	18.4 *	12.3 *	3.1	32.8
11	EL DORADO	180,663	25.7	14.2	12.5	8.1	18.4
12	MARIPOSA	17,977	2.3	13.0 *	12.5 *	1.9	41.6
13	TUOLUMNE	55,041	11.3	20.6 *	12.8 *	6.5	22.8
14	PLACER	356,367	58.0	16.3	13.2	10.1	17.1
15	NAPA	137,634	23.7	17.2	13.4	8.6	20.0
16	SAN LUIS OBISPO	270,119	46.3	17.2	13.9	10.2	18.5
17	SANTA CRUZ	265,569	37.7	14.2	14.0	9.9	19.2
18	ORANGE	3,047,120	456.3	15.0	14.9	13.5	16.3
19	INYO	18,687	4.7	25.0 *	15.3 *	4.7	36.8
20	DEL NORTE	28,498	4.7	16.4 *	15.4 *	4.7	36.9
21	CALAVERAS	45,143	11.7	25.8 *	15.4 *	7.9	27.1
22	SIERRA	3,146	0.7	21.2 *	15.4 *	0.1	115.1
23	VENTURA	830,215	132.3	15.9	15.8	13.0	18.5
24	MADERA	152,008	22.0	14.5	16.0	10.0	24.2
25	SANTA BARBARA	425,756	76.7	18.0	16.4	12.9	20.5
26	SONOMA	486,778	95.3	19.6	16.7	13.5	20.4
27	SHASTA	178,089	39.0	21.9	16.7	11.9	22.8
28	CONTRA COSTA	1,061,375	192.0	18.1	16.7	14.3	19.1
29	MONTEREY	419,998	66.3	15.8	16.9	13.1	21.6
30	MENDOCINO	88,071	18.0	20.4 *	17.0 *	10.1	26.8
31	BUTTE	220,521	47.3	21.5	17.3	12.7	23.0
32	SAN BENITO	55,950	8.7	15.5 *	18.1 *	8.1	34.8
33	LASSEN	34,668	5.7	16.3 *	18.3 *	6.5	40.6
34	LAKE	64,419	15.7	24.3 *	18.5 *	10.5	30.2
35	RIVERSIDE	2,220,502	411.3	18.5	19.1	17.3	21.0
36	SUTTER	94,764	19.3	20.4 *	19.3 *	11.7	30.1
37	SAN DIEGO	3,125,321	604.0	19.3	19.5	18.0	21.1
38	TEHAMA	63,514	16.0	25.2 *	19.9 *	11.3	32.2
	CALIFORNIA	37,570,307	7,519.0	20.0	20.4	19.9	20.9
39	SISKIYOU	44,875	13.0	29.0 *	20.5 *	10.9	35.0
40	ALAMEDA	1,526,220	310.7	20.4	20.7	18.4	23.1
41	ALPINE	1,118	0.3	29.8 *	20.9 *	0.0	273.4
42	STANISLAUS	518,141	99.0	19.1	21.0	17.1	25.6
43	SACRAMENTO	1,430,884	295.3	20.6	21.1	18.7	23.5
44	YOLO	202,630	38.3	18.9	22.1	15.6	30.3
45	SANTA CLARA	1,806,881	379.3	21.0	22.2	19.9	24.4
46	LOS ANGELES	9,860,836	2,096.3	21.3	22.5	21.6	23.5
47	TULARE	447,665	82.3	18.4	22.6	18.0	28.0
48	YUBA	72,620	14.0	19.3 *	22.6 *	12.4	37.9
49	SOLANO	414,337	98.3	23.7	24.1	19.6	29.3
50	HUMBOLDT	135,218	40.0	29.6	26.4	18.9	36.0
51	MERCED	259,289	55.3	21.3	27.2	20.5	35.4
52	IMPERIAL	177,229	43.7	24.6	28.2	20.5	37.9
53	SAN JOAQUIN	692,862	178.3	25.7	28.4	24.1	32.6
54	KINGS	151,655	31.7	20.9	28.6	19.5	40.5
55	FRESNO	939,278	235.3	25.1	28.8	25.1	32.5
56	GLENN	28,255	9.0	31.9 *	29.3 *	13.4	55.6
57	KERN	848,839	216.3	25.5	33.0	28.5	37.5
58	SAN BERNARDINO	2,053,348	555.0	27.0	34.2	31.3	37.1

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060.
Sacramento, California, January 2013.

DEATHS DUE TO ALZHEIMER'S DISEASE, 2010-2012



The crude death rate from Alzheimer's disease for California was 30.2 deaths per 100,000 population, a risk of dying from Alzheimer's disease equivalent to approximately one death for every 3,315.6 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 11,331.3 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 61.8 in Butte County to 11.7 in Imperial County, a factor of 5.3 to 1.

The age-adjusted death rate from Alzheimer's disease for California during the 2010 through 2012 three-year period was 30.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 48.5 in Solano County to 14.1 in Imperial County.

A Healthy People National Objective for deaths due to Alzheimer's disease has not been established.

The California average age-adjusted death rate from Alzheimer's disease for the 2007-2009 period was 28.1.

**TABLE 8
DEATHS DUE TO ALZHEIMER'S DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:						NONE	
1	ALPINE	1,118	0.0	-	-	-	-
2	INYO	18,687	1.0	5.4 *	3.2 *	0.1	17.8
3	MODOC	9,565	1.3	13.9 *	10.1 *	0.6	46.4
4	SAN BENITO	55,950	5.3	9.5 *	11.5 *	3.9	26.1
5	LASSEN	34,668	3.7	10.6 *	13.4 *	3.4	35.6
6	IMPERIAL	177,229	20.7	11.7	14.1	8.7	21.6
7	SIERRA	3,146	0.7	21.2 *	14.8 *	0.1	110.5
8	CALAVERAS	45,143	9.7	21.4 *	15.1 *	7.1	28.0
9	MONO	14,305	1.0	7.0 *	15.3 *	0.4	85.3
10	PLUMAS	19,953	4.3	21.7 *	16.1 *	4.7	39.8
11	TUOLUMNE	55,041	15.3	27.9 *	17.2 *	9.7	28.1
12	MENDOCINO	88,071	19.7	22.3 *	17.4 *	10.6	27.0
13	MONTEREY	419,998	75.7	18.0	18.6	14.7	23.3
14	GLENN	28,255	6.3	22.4 *	21.1 *	8.0	45.0
15	SAN LUIS OBISPO	270,119	80.7	29.9	21.6	17.1	26.8
16	YUBA	72,620	12.3	17.0 *	23.0 *	12.0	39.9
17	TULARE	447,665	80.0	17.9	23.4	18.6	29.2
18	SAN FRANCISCO	813,123	252.7	31.1	23.7	20.8	26.7
19	DEL NORTE	28,498	7.0	24.6 *	23.8 *	9.6	49.0
20	SISKIYOU	44,875	17.0	37.9 *	24.0 *	14.0	38.5
21	MERCED	259,289	47.3	18.3	24.4	18.0	32.5
22	LOS ANGELES	9,860,836	2,355.7	23.9	25.1	24.1	26.1
23	SUTTER	94,764	24.7	26.0	25.5	16.4	37.7
24	SACRAMENTO	1,430,884	370.7	25.9	26.3	23.6	29.0
25	ALAMEDA	1,526,220	401.3	26.3	26.7	24.1	29.4
26	MARIPOSA	17,977	7.3	40.8 *	28.1 *	11.6	57.0
27	SAN BERNARDINO	2,053,348	399.7	19.5	28.5	25.7	31.3
28	HUMBOLDT	135,218	43.3	32.0	28.7	20.8	38.7
29	VENTURA	830,215	245.0	29.5	28.8	25.1	32.4
30	COLUSA	21,502	6.0	27.9 *	29.5 *	10.8	64.3
31	SAN MATEO	727,980	272.3	37.4	30.2	26.6	33.8
32	AMADOR	37,288	19.3	51.8 *	30.3 *	18.3	47.1
33	RIVERSIDE	2,220,502	642.3	28.9	30.5	28.1	32.9
34	NAPA	137,634	60.7	44.1	30.5	23.3	39.3
	CALIFORNIA	37,570,307	11,331.3	30.2	30.5	30.0	31.1
35	TRINITY	13,546	5.7	41.8 *	30.8 *	10.9	68.4
36	SANTA BARBARA	425,756	164.7	38.7	30.8	26.1	35.6
37	CONTRA COSTA	1,061,375	361.0	34.0	31.3	28.0	34.6
38	EL DORADO	180,663	63.0	34.9	31.4	24.1	40.2
39	LAKE	64,419	26.7	41.4	31.5	20.7	45.9
40	TEHAMA	63,514	24.3	38.3	31.9	20.5	47.3
41	NEVADA	98,593	53.7	54.4	32.8	24.6	42.8
42	FRESNO	939,278	281.0	29.9	33.9	29.9	37.9
43	PLACER	356,367	156.7	44.0	34.8	29.3	40.2
44	KERN	848,839	199.3	23.5	34.8	30.0	39.7
45	ORANGE	3,047,120	1,097.3	36.0	35.7	33.5	37.8
46	SANTA CRUZ	265,569	94.7	35.6	36.0	29.1	44.1
47	MARIN	254,359	139.3	54.8	36.4	30.3	42.5
48	SAN DIEGO	3,125,321	1,193.0	38.2	36.6	34.5	38.7
49	MADERA	152,008	49.7	32.7	38.5	28.6	50.8
50	SANTA CLARA	1,806,881	678.3	37.5	39.1	36.1	42.1
51	SONOMA	486,778	254.0	52.2	39.5	34.5	44.4
52	STANISLAUS	518,141	185.0	35.7	39.6	33.8	45.3
53	KINGS	151,655	36.0	23.7	40.3	28.2	55.8
54	YOLO	202,630	74.3	36.7	41.1	32.3	51.6
55	SAN JOAQUIN	692,862	257.0	37.1	41.8	36.6	47.0
56	SHASTA	178,089	104.3	58.6	42.2	34.0	50.3
57	BUTTE	220,521	136.3	61.8	42.8	35.5	50.1
58	SOLANO	414,337	186.0	44.9	48.5	41.5	55.5

* Rates are deemed unreliable based on fewer than 20 data elements.

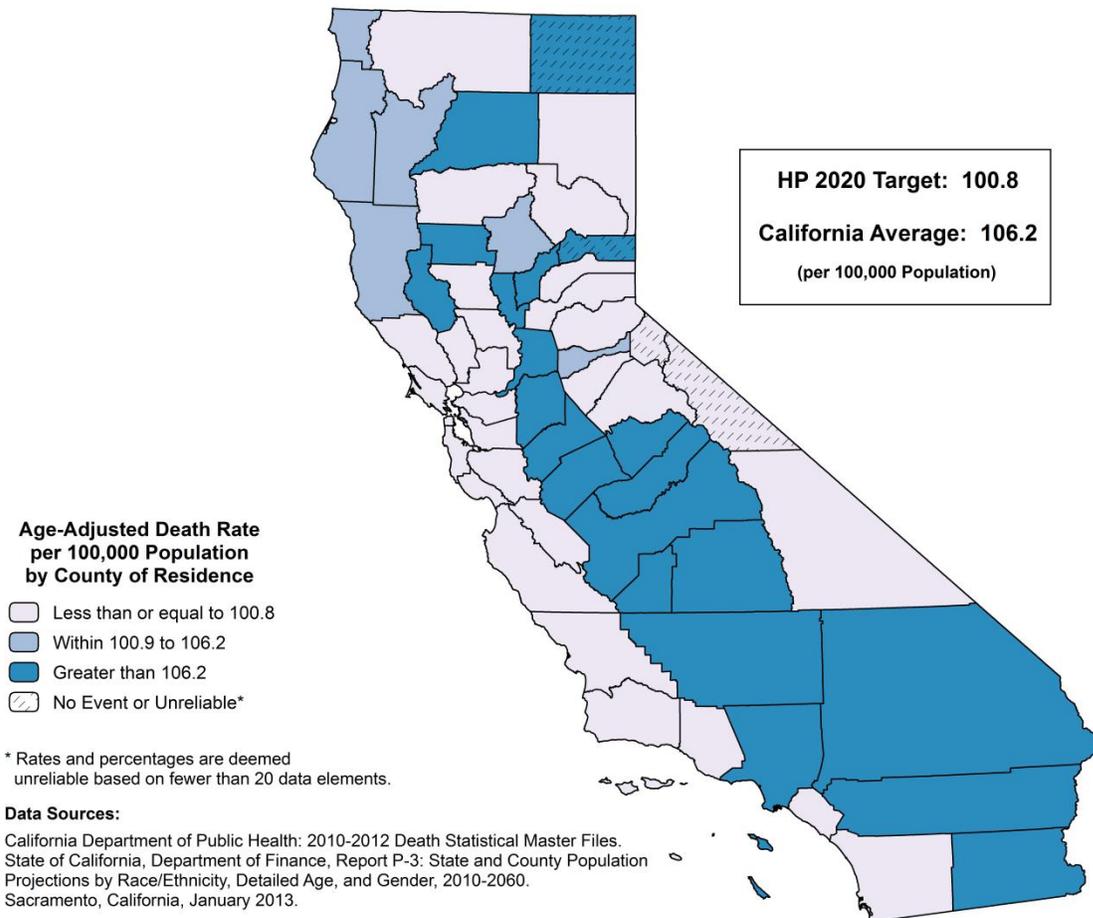
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DEATHS DUE TO CORONARY HEART DISEASE, 2010-2012



The crude death rate from coronary heart disease for California was 105.0 deaths per 100,000 population, a risk of dying from coronary heart disease equivalent to approximately one death for every 952.2 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 39,457.0 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 183.7 in Lake County to 54.2 in San Benito County, a factor of 3.4 to 1.

The age-adjusted death rate from coronary heart disease for California during the 2010 through 2012 three-year period was 106.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 161.3 in Yuba County to 62.6 in San Benito County.

Twenty-nine counties with reliable age-adjusted death rates met the Healthy People 2020 National Objective HDS-2 of no more than 100.8 age-adjusted deaths due to coronary heart disease per 100,000 population. An additional two counties with unreliable rates met the objective. The statewide age-adjusted death rate for coronary heart disease did not meet the national objective.

The California average age-adjusted death rate from coronary heart disease for the 2007-2009 period was 122.9.

**TABLE 9
DEATHS DUE TO CORONARY HEART DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,118	0.7	59.6 *	24.3 *	0.1	181.7
2	SAN BENITO	55,950	30.3	54.2	62.6	42.3	89.2
3	MONO	14,305	4.7	32.6 *	64.0 *	19.7	153.5
4	MARIN	254,359	238.0	93.6	64.2	55.9	72.5
5	SAN FRANCISCO	813,123	700.3	86.1	69.9	64.7	75.1
6	YOLO	202,630	127.7	63.0	72.8	60.0	85.6
7	SANTA CLARA	1,806,881	1,278.0	70.7	73.6	69.5	77.6
8	SAN MATEO	727,980	659.7	90.6	76.3	70.4	82.2
9	CONTRA COSTA	1,061,375	900.3	84.8	77.9	72.7	83.0
10	MONTEREY	419,998	318.7	75.9	79.7	70.9	88.6
11	LASSEN	34,668	24.0	69.2	80.2	51.4	119.4
12	ALAMEDA	1,526,220	1,220.3	80.0	80.8	76.2	85.4
13	SOLANO	414,337	331.3	80.0	81.2	72.3	90.0
14	SAN LUIS OBISPO	270,119	296.3	109.7	82.8	73.2	92.4
15	SANTA CRUZ	265,569	223.0	84.0	83.9	72.6	95.2
16	NAPA	137,634	163.3	118.7	87.6	73.8	101.3
17	EL DORADO	180,663	188.3	104.2	88.2	75.4	101.0
18	VENTURA	830,215	770.3	92.8	89.8	83.4	96.2
19	INYO	18,687	27.7	148.1	91.0	60.3	131.8
20	NEVADA	98,593	149.0	151.1	93.7	78.2	109.2
21	SONOMA	486,778	580.0	119.2	94.9	86.9	102.8
22	TUOLUMNE	55,041	85.0	154.4	96.0	76.7	118.7
23	SAN DIEGO	3,125,321	3,028.3	96.9	96.1	92.6	99.6
24	SANTA BARBARA	425,756	481.7	113.1	96.8	88.0	105.6
25	TEHAMA	63,514	76.7	120.7	98.4	77.6	123.1
26	PLACER	356,367	437.3	122.7	98.7	89.4	108.0
27	ORANGE	3,047,120	3,050.3	100.1	99.2	95.6	102.7
28	SISKIYOU	44,875	67.7	150.8	99.2	77.0	125.8
29	COLUSA	21,502	20.7	96.1	99.3	61.2	152.3
30	CALAVERAS	45,143	68.7	152.1	100.6	78.2	127.4
31	PLUMAS	19,953	30.7	153.7	100.6	68.2	143.1
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: HDS-2						100.8	
32	AMADOR	37,288	63.7	170.7	102.5	78.9	131.0
33	HUMBOLDT	135,218	156.0	115.4	103.8	87.2	120.4
34	DEL NORTE	28,498	33.3	117.0	105.2	72.6	147.5
35	BUTTE	220,521	306.7	139.1	105.3	93.3	117.4
36	MENDOCINO	88,071	122.0	138.5	105.5	86.3	124.8
37	TRINITY	13,546	23.0	169.8	105.6	66.9	158.5
	CALIFORNIA	37,570,307	39,457.0	105.0	106.2	105.1	107.2
38	IMPERIAL	177,229	163.0	92.0	106.8	90.3	123.3
39	MARIPOSA	17,977	30.0	166.9	107.7	72.7	153.8
40	SIERRA	3,146	5.7	180.1 *	109.0 *	38.6	242.3
41	SACRAMENTO	1,430,884	1,542.7	107.8	110.0	104.5	115.6
42	GLENN	28,255	34.3	121.5	111.0	77.0	154.9
43	KINGS	151,655	113.0	74.5	111.3	90.4	132.2
44	FRESNO	939,278	949.3	101.1	114.8	107.5	122.2
45	SHASTA	178,089	283.7	159.3	116.9	103.1	130.6
46	SUTTER	94,764	115.0	121.4	117.3	95.8	138.8
47	SAN JOAQUIN	692,862	737.7	106.5	117.9	109.3	126.5
48	MERCED	259,289	244.7	94.4	119.3	104.2	134.3
49	LOS ANGELES	9,860,836	11,803.0	119.7	124.9	122.6	127.2
50	RIVERSIDE	2,220,502	2,678.0	120.6	125.0	120.2	129.7
51	SAN BERNARDINO	2,053,348	1,979.3	96.4	130.1	124.3	135.9
52	LAKE	64,419	118.3	183.7	134.8	110.0	159.6
53	MADERA	152,008	186.3	122.6	135.8	116.1	155.5
54	KERN	848,839	859.7	101.3	136.4	127.2	145.7
55	TULARE	447,665	485.3	108.4	137.3	125.0	149.6
56	MODOC	9,565	19.7	205.6 *	141.0 *	85.7	218.5
57	STANISLAUS	518,141	729.0	140.7	153.3	142.0	164.5
58	YUBA	72,620	95.7	131.7	161.3	130.6	197.1

* Rates are deemed unreliable based on fewer than 20 data elements.

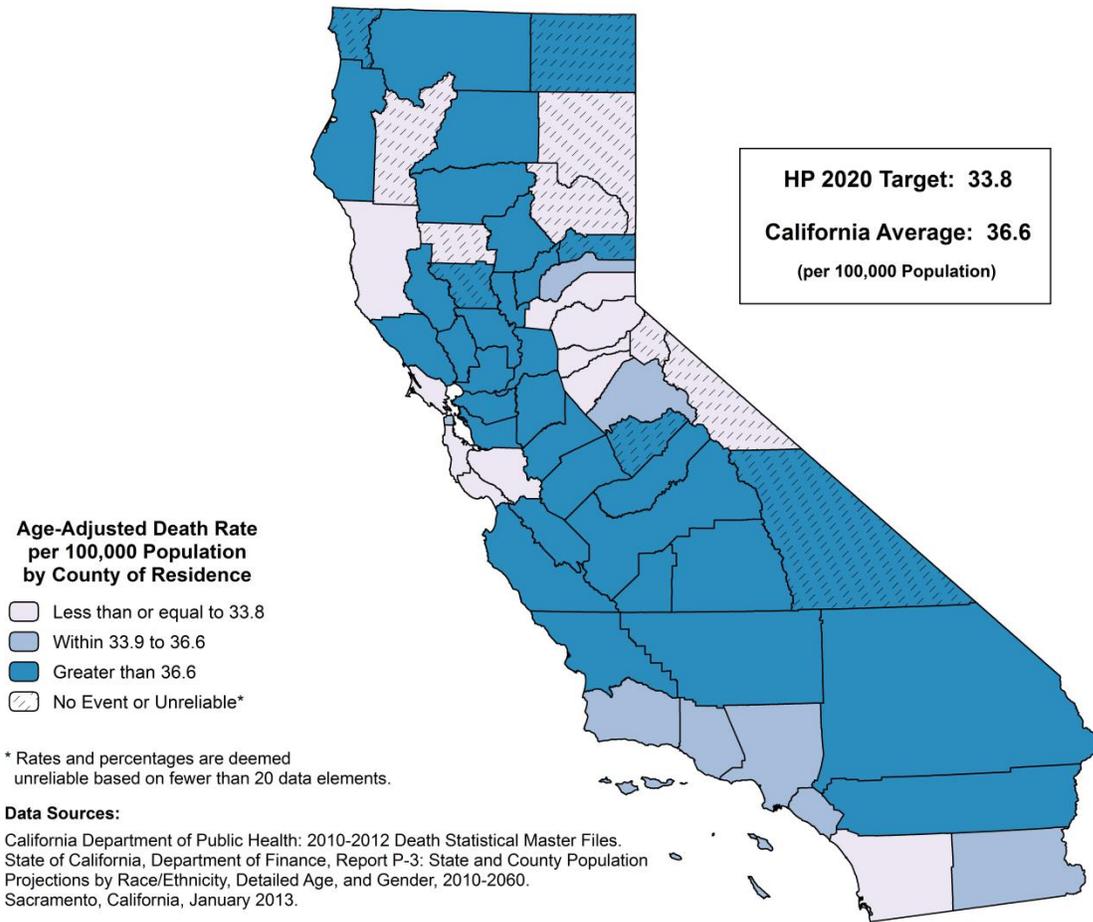
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060.

Sacramento, California, January 2013.

DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE), 2010-2012



The crude death rate from cerebrovascular disease (stroke) for California was 35.9 deaths per 100,000 population, a risk of dying from cerebrovascular disease equivalent to approximately one death for every 2,787.2 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 13,479.7 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 78.2 in San Luis Obispo County to 25.2 in Santa Clara County, a factor of 3.1 to 1.

The age-adjusted death rate from cerebrovascular disease for California during the 2010 through 2012 three-year period was 36.6 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 56.7 in San Luis Obispo County to 25.1 in El Dorado County.

Ten counties with reliable age-adjusted death rates met the Healthy People 2020 National Objective HDS-3 of no more than 33.8 age-adjusted deaths due to cerebrovascular disease per 100,000 population. An additional six counties with unreliable rates met the objective. The statewide age-adjusted death rate for cerebrovascular disease did not meet the national objective.

The California average age-adjusted death rate from cerebrovascular disease for the 2007-2009 period was 40.2.

**TABLE 10
DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE)
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,118	0.3	29.8 *	12.2 *	0.0	159.0
2	TRINITY	13,546	4.3	32.0 *	21.2 *	6.2	52.3
3	EL DORADO	180,663	52.0	28.8	25.1	18.8	33.0
4	MONO	14,305	2.0	14.0 *	25.5 *	3.1	92.0
5	LASSEN	34,668	7.0	20.2 *	25.5 *	10.3	52.5
6	SANTA CLARA	1,806,881	455.0	25.2	26.5	24.0	28.9
7	MARIN	254,359	101.7	40.0	27.5	22.1	33.0
8	GLENN	28,255	9.3	33.0 *	29.8 *	13.8	55.9
9	PLUMAS	19,953	8.3	41.8 *	29.8 *	13.1	57.9
10	SAN MATEO	727,980	270.3	37.1	31.4	27.6	35.2
11	CALAVERAS	45,143	21.3	47.3	32.2	20.0	49.0
12	SAN DIEGO	3,125,321	1,023.7	32.8	32.5	30.5	34.5
13	SANTA CRUZ	265,569	85.3	32.1	32.7	26.1	40.4
14	AMADOR	37,288	20.7	55.4	33.1	20.4	50.7
15	PLACER	356,367	148.0	41.5	33.4	28.0	38.8
16	MENDOCINO	88,071	38.3	43.5	33.5	23.7	45.9
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: HDS-3						33.8	
17	ORANGE	3,047,120	1,055.0	34.6	34.7	32.6	36.8
18	SAN FRANCISCO	813,123	343.0	42.2	34.7	31.0	38.4
19	VENTURA	830,215	297.7	35.9	35.2	31.2	39.3
20	LOS ANGELES	9,860,836	3,300.0	33.5	35.4	34.1	36.6
21	IMPERIAL	177,229	53.7	30.3	35.5	26.6	46.4
22	TUOLUMNE	55,041	31.3	56.9	35.7	24.3	50.6
23	NEVADA	98,593	56.7	57.5	36.3	27.4	47.0
24	SANTA BARBARA	425,756	181.0	42.5	36.4	31.0	41.8
	CALIFORNIA	37,570,307	13,479.7	35.9	36.6	36.0	37.3
25	SOLANO	414,337	146.7	35.4	37.0	31.0	43.1
26	RIVERSIDE	2,220,502	791.0	35.6	37.1	34.5	39.7
27	KINGS	151,655	39.0	25.7	37.6	26.8	51.5
28	SONOMA	486,778	232.0	47.7	37.8	32.8	42.8
29	ALAMEDA	1,526,220	564.7	37.0	38.0	34.8	41.2
30	NAPA	137,634	72.3	52.6	38.0	29.8	47.9
31	MONTEREY	419,998	153.7	36.6	38.3	32.2	44.4
32	INYO	18,687	12.0	64.2 *	38.6 *	19.9	67.4
33	CONTRA COSTA	1,061,375	443.7	41.8	38.8	35.1	42.5
34	YOLO	202,630	71.3	35.2	40.1	31.3	50.5
35	SACRAMENTO	1,430,884	563.7	39.4	40.3	37.0	43.7
36	SAN BERNARDINO	2,053,348	616.0	30.0	40.4	37.2	43.7
37	KERN	848,839	252.7	29.8	40.6	35.5	45.7
38	SAN BENITO	55,950	20.0	35.7	41.4	25.3	63.9
39	STANISLAUS	518,141	200.7	38.7	42.8	36.9	48.8
40	MADERA	152,008	58.3	38.4	43.4	33.0	56.1
41	SUTTER	94,764	43.3	45.7	43.7	31.7	58.8
42	MARIPOSA	17,977	11.3	63.0 *	44.2 *	22.3	78.4
43	BUTTE	220,521	132.7	60.2	44.4	36.7	52.1
44	FRESNO	939,278	364.0	38.8	44.7	40.0	49.3
45	SAN JOAQUIN	692,862	275.7	39.8	44.8	39.4	50.1
46	SISKIYOU	44,875	30.3	67.6	45.1	30.5	64.2
47	DEL NORTE	28,498	13.7	48.0 *	45.6 *	24.7	76.9
48	MERCED	259,289	92.0	35.5	45.6	36.7	55.9
49	SIERRA	3,146	2.0	63.6 *	45.6 *	5.5	164.7
50	COLUSA	21,502	9.0	41.9 *	45.7 *	20.9	86.8
51	SHASTA	178,089	113.7	63.8	47.0	38.2	55.7
52	LAKE	64,419	42.0	65.2	48.0	34.6	64.9
53	TULARE	447,665	173.7	38.8	48.8	41.5	56.1
54	MODOC	9,565	7.0	73.2 *	52.0 *	20.9	107.2
55	TEHAMA	63,514	40.0	63.0	52.0	37.2	70.9
56	YUBA	72,620	29.7	40.9	52.9	35.6	75.6
57	HUMBOLDT	135,218	84.7	62.6	55.7	44.5	68.9
58	SAN LUIS OBISPO	270,119	211.3	78.2	56.7	48.9	64.4

* Rates are deemed unreliable based on fewer than 20 data elements.

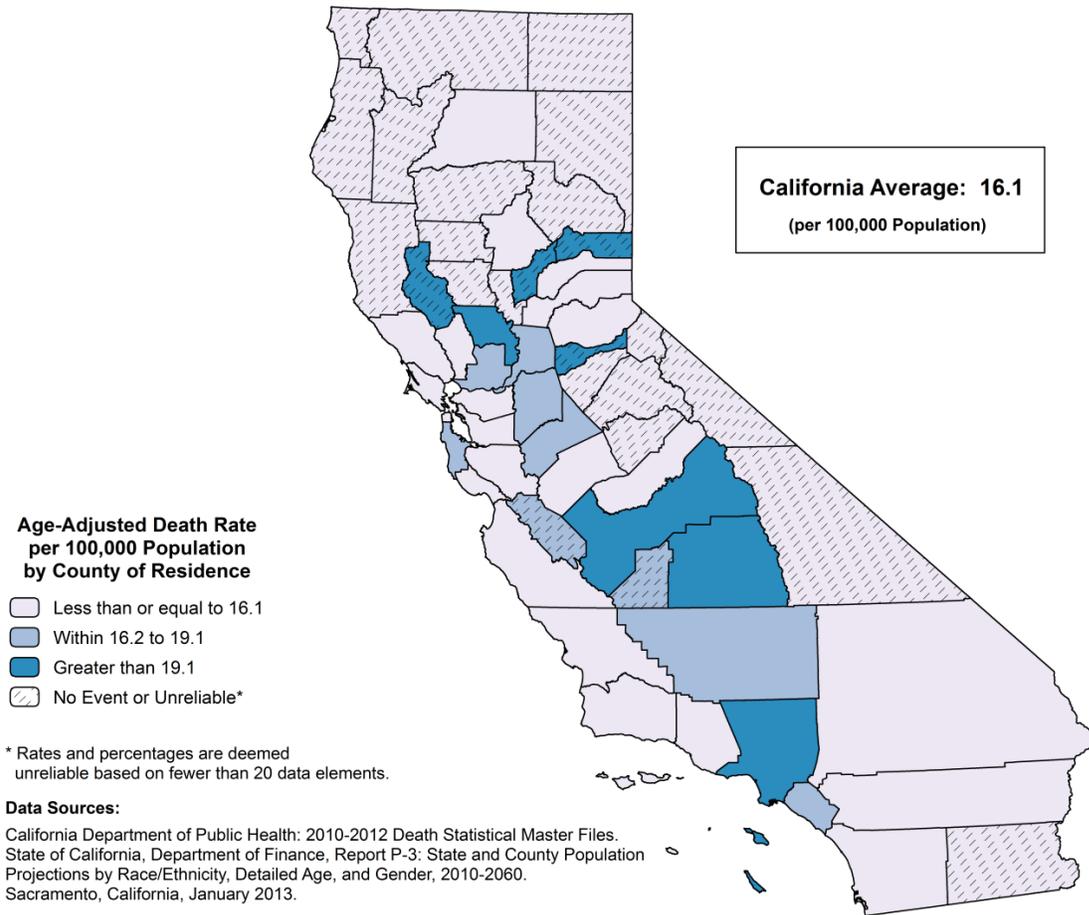
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060.

Sacramento, California, January 2013.

DEATHS DUE TO INFLUENZA/PNEUMONIA, 2010-2012



The crude death rate from influenza/pneumonia for California was 15.8 deaths per 100,000 population, a risk of dying from influenza/pneumonia equivalent to approximately one death for every 6,316.1 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 5,948.3 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 24.3 in Nevada County to 9.1 in San Bernardino County, a factor of 2.7 to 1.

The age-adjusted death rate from influenza/pneumonia for California during the 2010 through 2012 three-year period was 16.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 23.9 in Tulare County to 8.2 in Sonoma County.

A Healthy People 2020 National Objective for deaths due to influenza/pneumonia has not been established.

The California average age-adjusted death rate from influenza/pneumonia for the 2007-2009 period was 19.1.

**TABLE 11
DEATHS DUE TO INFLUENZA/PNEUMONIA
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:						NONE	
1	ALPINE	1,118	0.0	-	-	-	-
2	MONO	14,305	0.7	4.7 *	5.8 *	0.0	43.5
3	SONOMA	486,778	53.3	11.0	8.2	6.2	10.8
4	INYO	18,687	2.3	12.5 *	8.3 *	1.3	27.6
5	TRINITY	13,546	2.0	14.8 *	8.5 *	1.0	30.6
6	SAN LUIS OBISPO	270,119	33.3	12.3	9.1	6.2	12.7
7	SAN DIEGO	3,125,321	301.7	9.7	9.4	8.3	10.5
8	VENTURA	830,215	84.3	10.2	9.9	7.9	12.2
9	CONTRA COSTA	1,061,375	124.3	11.7	10.9	9.0	12.9
10	SHASTA	178,089	26.7	15.0	11.1	7.3	16.2
11	IMPERIAL	177,229	17.0	9.6 *	11.2 *	6.5	17.9
12	MONTEREY	419,998	45.0	10.7	11.3	8.3	15.2
13	HUMBOLDT	135,218	18.3	13.6 *	11.6 *	6.9	18.3
14	RIVERSIDE	2,220,502	247.7	11.2	11.7	10.2	13.1
15	PLUMAS	19,953	3.7	18.4 *	11.7 *	3.0	31.3
16	SANTA BARBARA	425,756	61.3	14.4	11.9	9.1	15.3
17	COLUSA	21,502	2.7	12.4 *	11.9 *	2.1	36.9
18	MARIN	254,359	46.0	18.1	12.0	8.8	16.0
19	SAN BERNARDINO	2,053,348	186.0	9.1	12.0	10.3	13.8
20	MENDOCINO	88,071	14.0	15.9 *	12.2 *	6.6	20.4
21	MODOC	9,565	1.7	17.4 *	12.2 *	1.1	49.0
22	TEHAMA	63,514	9.7	15.2 *	12.3 *	5.8	22.9
23	SISKIYOU	44,875	8.0	17.8 *	12.4 *	5.3	24.4
24	EL DORADO	180,663	27.3	15.1	12.7	8.4	18.5
25	SANTA CRUZ	265,569	35.7	13.4	13.2	9.2	18.3
26	SANTA CLARA	1,806,881	231.3	12.8	13.3	11.6	15.1
27	ALAMEDA	1,526,220	209.0	13.7	14.0	12.0	15.9
28	PLACER	356,367	62.0	17.4	14.0	10.7	17.9
29	MARIPOSA	17,977	4.0	22.3 *	14.2 *	3.9	36.5
30	CALAVERAS	45,143	10.0	22.2 *	14.4 *	6.9	26.6
31	NEVADA	98,593	24.0	24.3	14.5	9.3	21.5
32	TUOLUMNE	55,041	12.3	22.4 *	14.5 *	7.6	25.1
33	SAN FRANCISCO	813,123	147.7	18.2	14.6	12.2	16.9
34	LASSEN	34,668	4.3	12.5 *	14.7 *	4.3	36.5
35	GLENN	28,255	4.3	15.3 *	15.0 *	4.4	37.2
36	SUTTER	94,764	15.0	15.8 *	15.1 *	8.4	24.9
37	BUTTE	220,521	45.7	20.7	15.1	11.1	20.2
38	NAPA	137,634	30.3	22.0	15.2	10.3	21.6
39	DEL NORTE	28,498	4.7	16.4 *	15.3 *	4.7	36.7
40	MERCED	259,289	31.7	12.2	15.6	10.6	22.0
41	MADERA	152,008	21.3	14.0	15.9	9.9	24.3
	CALIFORNIA	37,570,307	5,948.3	15.8	16.1	15.7	16.5
42	SAN BENITO	55,950	7.7	13.7 *	16.2 *	6.9	32.4
43	SAN JOAQUIN	692,862	105.3	15.2	17.0	13.7	20.2
44	ORANGE	3,047,120	527.3	17.3	17.3	15.8	18.8
45	SAN MATEO	727,980	157.7	21.7	17.5	14.8	20.3
46	KINGS	151,655	18.0	11.9 *	17.7 *	10.5	28.0
47	STANISLAUS	518,141	86.7	16.7	18.3	14.7	22.6
48	KERN	848,839	119.0	14.0	18.9	15.4	22.3
49	SOLANO	414,337	76.3	18.4	19.0	15.0	23.8
50	SACRAMENTO	1,430,884	270.0	18.9	19.1	16.8	21.4
51	YOLO	202,630	35.7	17.6	20.5	14.3	28.4
52	LAKE	64,419	17.7	27.4 *	20.7 *	12.2	32.9
53	YUBA	72,620	12.7	17.4 *	21.4 *	11.3	36.8
54	FRESNO	939,278	180.0	19.2	21.5	18.4	24.7
55	LOS ANGELES	9,860,836	2,024.0	20.5	21.8	20.8	22.8
56	AMADOR	37,288	14.3	38.4 *	23.5 *	13.0	39.2
57	TULARE	447,665	84.7	18.9	23.9	19.1	29.6
58	SIERRA	3,146	1.0	31.8 *	24.2 *	0.6	134.7

* Rates are deemed unreliable based on fewer than 20 data elements.

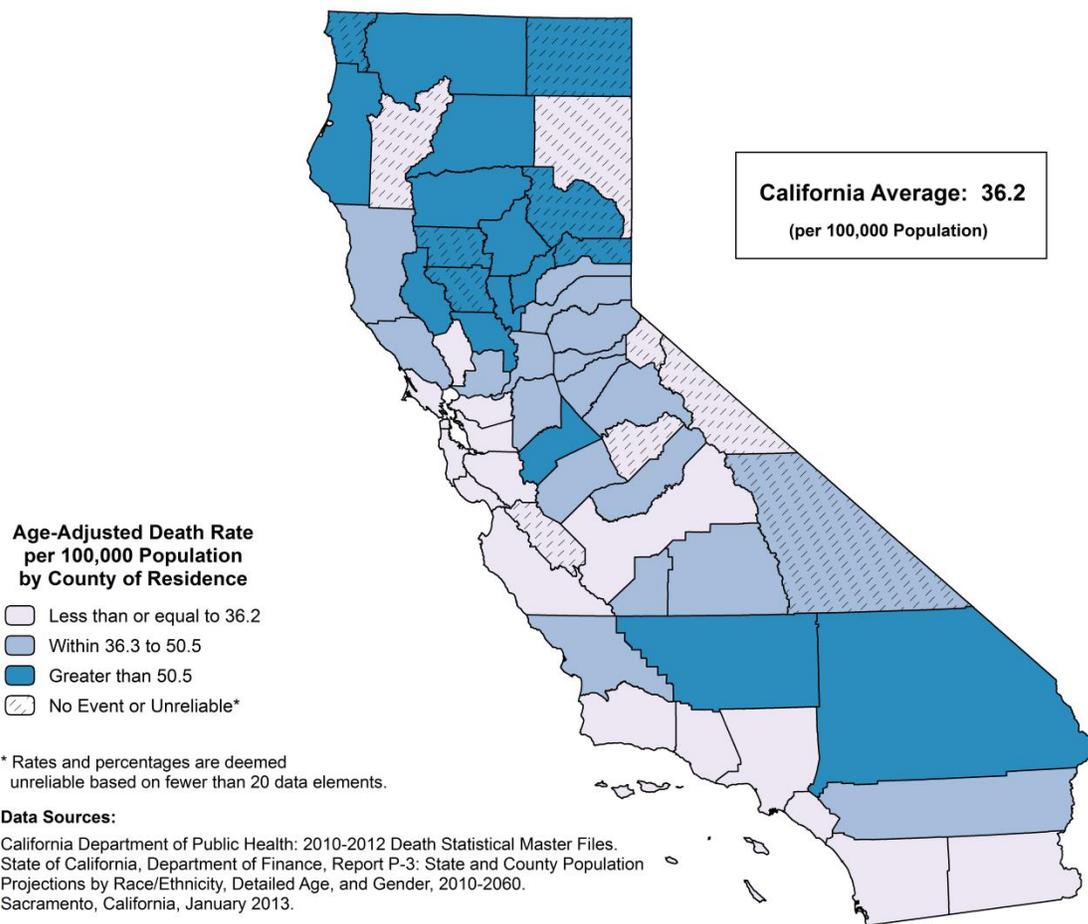
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DEATHS DUE TO CHRONIC LOWER RESPIRATORY DISEASE, 2010-2012



The crude death rate from chronic lower respiratory disease deaths for California was 34.7 deaths per 100,000 population, a risk of dying from chronic lower respiratory disease equivalent to approximately one death for every 2,878.9 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 13,050.3 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 97.5 in Shasta County to 16.7 in Imperial County, a factor of 5.8 to 1.

The age-adjusted death rate from chronic lower respiratory disease deaths for California during the 2010 through 2012 three-year period was 36.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 74.0 in Tehama County to 19.6 in Imperial County.

A Healthy People 2020 National Objective for deaths due to chronic lower respiratory disease has not been established.

The California average age-adjusted death rate from chronic lower respiratory disease for the 2007-2009 period was 38.7.

**TABLE 12
DEATHS DUE TO CHRONIC LOWER RESPIRATORY DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
		HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:			NONE		
1	ALPINE	1,118	0.0	-	-	-	-
2	MONO	14,305	0.7	4.7 *	7.9 *	0.0	59.2
3	IMPERIAL	177,229	29.7	16.7	19.6	13.2	28.1
4	SAN FRANCISCO	813,123	204.3	25.1	21.2	18.3	24.2
5	MARIN	254,359	78.0	30.7	22.0	17.4	27.5
6	SANTA CLARA	1,806,881	413.3	22.9	24.5	22.1	26.9
7	LASSEN	34,668	7.0	20.2 *	25.6 *	10.3	52.7
8	SANTA BARBARA	425,756	124.0	29.1	25.6	21.0	30.2
9	SAN MATEO	727,980	215.0	29.5	25.8	22.3	29.3
10	SANTA CRUZ	265,569	74.3	28.0	28.6	22.5	35.9
11	ALAMEDA	1,526,220	418.0	27.4	28.9	26.0	31.7
12	MONTEREY	419,998	115.7	27.5	29.9	24.4	35.4
13	SAN BENITO	55,950	14.0	25.0 *	30.5 *	16.7	51.2
14	LOS ANGELES	9,860,836	2,845.7	28.9	31.1	30.0	32.3
15	TRINITY	13,546	7.0	51.7 *	31.4 *	12.6	64.6
16	ORANGE	3,047,120	930.0	30.5	31.4	29.3	33.4
17	VENTURA	830,215	270.0	32.5	32.5	28.6	36.4
18	MARIPOSA	17,977	10.3	57.5 *	33.0 *	16.1	60.1
19	NAPA	137,634	59.7	43.4	33.6	25.6	43.3
20	CONTRA COSTA	1,061,375	382.0	36.0	34.1	30.6	37.5
21	SAN DIEGO	3,125,321	1,045.7	33.5	34.3	32.2	36.4
22	FRESNO	939,278	284.0	30.2	35.7	31.5	39.9
	CALIFORNIA	37,570,307	13,050.3	34.7	36.2	35.6	36.8
23	PLACER	356,367	163.7	45.9	37.3	31.5	43.0
24	SAN LUIS OBISPO	270,119	128.3	47.5	37.3	30.8	43.9
25	SONOMA	486,778	228.0	46.8	39.4	34.1	44.6
26	EL DORADO	180,663	87.3	48.3	41.3	33.1	50.9
27	TUOLUMNE	55,041	37.0	67.2	41.5	29.3	57.3
28	SACRAMENTO	1,430,884	586.3	41.0	42.9	39.4	46.4
29	KINGS	151,655	44.0	29.0	43.2	31.4	58.0
30	SOLANO	414,337	171.0	41.3	43.3	36.7	49.9
31	NEVADA	98,593	67.7	68.6	43.4	33.7	55.1
32	MADERA	152,008	59.3	39.0	43.8	33.4	56.4
33	MERCED	259,289	88.7	34.2	44.3	35.6	54.5
34	SAN JOAQUIN	692,862	273.3	39.4	45.1	39.7	50.5
35	CALAVERAS	45,143	30.7	67.9	45.6	30.9	64.8
36	RIVERSIDE	2,220,502	976.3	44.0	46.1	43.2	49.0
37	AMADOR	37,288	29.7	79.6	47.8	32.2	68.3
38	TULARE	447,665	169.7	37.9	47.9	40.6	55.1
39	INYO	18,687	14.3	76.7 *	48.5 *	26.7	80.8
40	MENDOCINO	88,071	55.7	63.2	50.0	37.7	65.0
41	PLUMAS	19,953	15.7	78.5 *	51.0 *	29.0	83.3
42	STANISLAUS	518,141	239.0	46.1	51.7	45.1	58.3
43	SUTTER	94,764	50.7	53.5	52.0	38.7	68.4
44	SIERRA	3,146	2.3	74.2 *	52.1 *	7.9	172.9
45	YOLO	202,630	91.7	45.2	52.3	42.2	64.2
46	DEL NORTE	28,498	17.0	59.7 *	54.7 *	31.9	87.6
47	COLUSA	21,502	11.0	51.2 *	55.0 *	27.5	98.5
48	GLENN	28,255	17.0	60.2 *	56.0 *	32.6	89.7
49	SAN BERNARDINO	2,053,348	845.7	41.2	56.1	52.3	60.0
50	HUMBOLDT	135,218	84.7	62.6	56.7	45.3	70.2
51	SISKIYOU	44,875	39.7	88.4	58.2	41.5	79.3
52	BUTTE	220,521	164.7	74.7	58.4	49.4	67.5
53	KERN	848,839	390.3	46.0	62.3	56.1	68.6
54	MODOC	9,565	9.0	94.1 *	65.4 *	29.9	124.1
55	YUBA	72,620	40.0	55.1	66.6	47.6	90.7
56	LAKE	64,419	60.7	94.2	69.3	53.0	89.1
57	SHASTA	178,089	173.7	97.5	70.8	60.2	81.4
58	TEHAMA	63,514	58.3	91.8	74.0	56.3	95.6

* Rates are deemed unreliable based on fewer than 20 data elements.

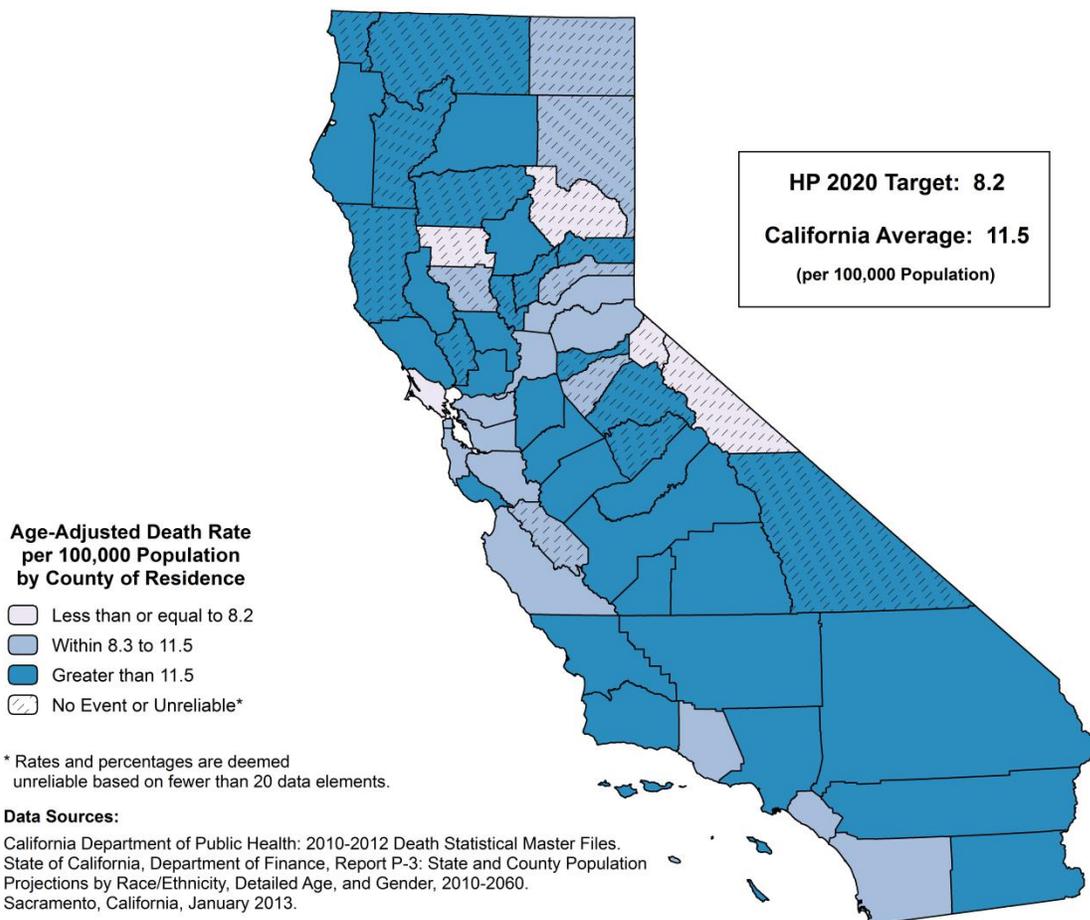
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS, 2010-2012



The crude death rate from chronic liver disease and cirrhosis for California was 11.9 deaths per 100,000 population, a risk of dying from chronic liver disease and cirrhosis equivalent to approximately one death for every 8,390.5 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 4,477.7 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 31.6 in Lake County to 9.4 in San Francisco County, a factor of 3.3 to 1.

The age-adjusted death rate from chronic liver disease and cirrhosis for California during the 2010 through 2012 three-year period was 11.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 23.2 in Lake County to 7.1 in Marin County.

One county with a reliable age-adjusted death rate met the Healthy People 2020 National Objective SA-11 of no more than 8.2 age-adjusted deaths due to chronic liver disease and cirrhosis per 100,000 population. An additional three counties with unreliable rates and one county with no deaths due to chronic liver disease and cirrhosis met the objective. The statewide age-adjusted death rate for chronic liver disease and cirrhosis did not meet the national objective.

The California average age-adjusted death rate from chronic liver disease and cirrhosis for the 2007-2009 period was 11.4.

**TABLE 13
DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,118	0.0	-	-	-	-
2	MONO	14,305	0.7	4.7 *	3.0 *	0.0	22.1
3	PLUMAS	19,953	2.0	10.0 *	5.7 *	0.7	20.6
4	MARIN	254,359	25.7	10.1	7.1	4.6	10.4
5	GLENN	28,255	2.7	9.4 *	7.7 *	1.4	23.9
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: SA-11					8.2		
6	SAN FRANCISCO	813,123	76.7	9.4	8.3	6.5	10.4
7	LASSEN	34,668	3.0	8.7 *	8.8 *	1.8	25.6
8	SAN MATEO	727,980	75.7	10.4	9.0	7.1	11.3
9	SANTA CLARA	1,806,881	171.0	9.5	9.1	7.7	10.5
10	ALAMEDA	1,526,220	149.7	9.8	9.1	7.6	10.6
11	PLACER	356,367	39.3	11.0	9.2	6.5	12.5
12	CONTRA COSTA	1,061,375	109.7	10.3	9.2	7.5	11.0
13	ORANGE	3,047,120	305.7	10.0	9.4	8.4	10.5
14	SAN BENITO	55,950	6.0	10.7 *	10.0 *	3.7	21.7
15	MONTEREY	419,998	41.7	9.9	10.2	7.3	13.8
16	VENTURA	830,215	91.3	11.0	10.3	8.3	12.6
17	SAN DIEGO	3,125,321	332.3	10.6	10.3	9.2	11.5
18	MODOC	9,565	1.7	17.4 *	10.4 *	0.9	41.7
19	EL DORADO	180,663	26.3	14.6	10.4	6.8	15.2
20	CALAVERAS	45,143	8.0	17.7 *	10.5 *	4.5	20.7
21	NEVADA	98,593	14.3	14.5 *	10.5 *	5.8	17.5
22	SACRAMENTO	1,430,884	162.0	11.3	10.9	9.2	12.6
23	COLUSA	21,502	2.7	12.4 *	11.0 *	2.0	34.0
	CALIFORNIA	37,570,307	4,477.7	11.9	11.5	11.1	11.8
24	SIERRA	3,146	0.7	21.2 *	11.6 *	0.1	86.9
25	MARIPOSA	17,977	3.3	18.5 *	11.7 *	2.7	32.5
26	RIVERSIDE	2,220,502	262.7	11.8	11.8	10.4	13.2
27	SONOMA	486,778	70.3	14.4	11.9	9.3	15.1
28	SUTTER	94,764	11.7	12.3 *	11.9 *	6.1	21.0
29	SAN LUIS OBISPO	270,119	41.0	15.2	12.1	8.7	16.5
30	SOLANO	414,337	55.0	13.3	12.2	9.2	15.9
31	NAPA	137,634	18.7	13.6 *	12.3 *	7.4	19.3
32	LOS ANGELES	9,860,836	1,232.0	12.5	12.4	11.7	13.1
33	SANTA BARBARA	425,756	53.0	12.4	12.5	9.4	16.3
34	KERN	848,839	97.7	11.5	12.7	10.3	15.5
35	SANTA CRUZ	265,569	38.3	14.4	12.7	9.0	17.4
36	SAN BERNARDINO	2,053,348	244.0	11.9	13.1	11.4	14.7
37	YOLO	202,630	25.7	12.7	13.2	8.6	19.4
38	AMADOR	37,288	7.7	20.6 *	13.3 *	5.6	26.5
39	STANISLAUS	518,141	68.3	13.2	13.5	10.5	17.1
40	MENDOCINO	88,071	13.7	15.5 *	13.9 *	7.5	23.5
41	YUBA	72,620	9.7	13.3 *	13.9 *	6.6	25.9
42	MERCED	259,289	33.0	12.7	14.5	10.0	20.3
43	MADERA	152,008	22.0	14.5	14.9	9.3	22.6
44	FRESNO	939,278	131.0	13.9	15.1	12.5	17.7
45	IMPERIAL	177,229	25.3	14.3	15.3	9.9	22.5
46	INYO	18,687	4.3	23.2 *	15.6 *	4.6	38.7
47	SAN JOAQUIN	692,862	106.3	15.3	15.7	12.7	18.8
48	BUTTE	220,521	38.7	17.5	15.8	11.2	21.7
49	KINGS	151,655	20.3	13.4	16.0	9.8	24.6
50	HUMBOLDT	135,218	24.7	18.2	16.3	10.5	24.1
51	TULARE	447,665	63.7	14.2	16.4	12.6	20.9
52	SHASTA	178,089	38.0	21.3	16.4	11.6	22.6
53	TUOLUMNE	55,041	13.0	23.6 *	16.6 *	8.8	28.4
54	DEL NORTE	28,498	6.3	22.2 *	17.5 *	6.6	37.2
55	SISKIYOU	44,875	11.3	25.3 *	17.5 *	8.8	31.1
56	TEHAMA	63,514	14.3	22.6 *	19.5 *	10.7	32.5
57	LAKE	64,419	20.3	31.6	23.2	14.2	35.7
58	TRINITY	13,546	3.7	27.1 *	23.2 *	5.9	61.8

* Rates are deemed unreliable based on fewer than 20 data elements.

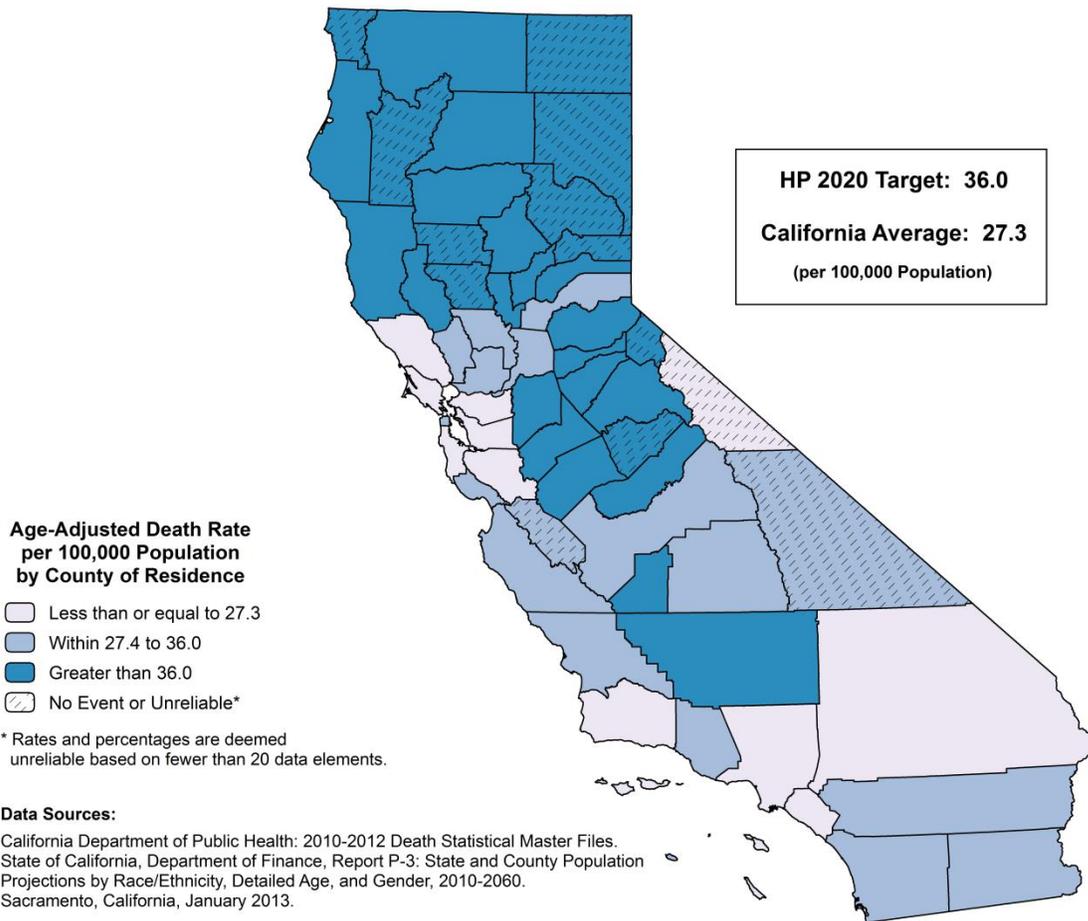
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES), 2010-2012



The crude death rate from accidents (unintentional injuries) for California was 27.7 deaths per 100,000 population, a risk of dying from accidents equivalent to approximately one death for every 3,613.5 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 10,397.3 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 101.9 in Lake County to 19.7 in Los Angeles County, a factor of 5.2 to 1.

The age-adjusted death rate from accidents for California during the 2010 through 2012 three-year period was 27.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 88.6 in Lake County to 19.5 in Los Angeles County.

Twenty-five counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective IVP-11 of no more than 36.0 age-adjusted deaths due to accidents per 100,000 population. An additional three counties with unreliable rates met the objective.

The California average age-adjusted death rate from accidents for the 2007-2009 period was 29.9.

**TABLE 14
DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES)
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	LOS ANGELES	9,860,836	1,940.7	19.7	19.5	18.7	20.4
2	ORANGE	3,047,120	651.7	21.4	20.9	19.3	22.5
3	ALAMEDA	1,526,220	333.3	21.8	20.9	18.7	23.2
4	SAN MATEO	727,980	169.7	23.3	21.1	17.9	24.3
5	SANTA CLARA	1,806,881	415.3	23.0	22.9	20.7	25.1
6	SAN BERNARDINO	2,053,348	476.7	23.2	24.8	22.5	27.1
7	CONTRA COSTA	1,061,375	278.3	26.2	25.1	22.1	28.1
8	SANTA BARBARA	425,756	116.0	27.2	26.0	21.2	30.9
9	SONOMA	486,778	139.3	28.6	26.2	21.8	30.7
10	MARIN	254,359	83.3	32.8	27.2	21.6	33.7
11	MONO	14,305	3.3	23.3 *	27.3 *	6.3	76.0
	CALIFORNIA	37,570,307	10,397.3	27.7	27.3	26.7	27.8
12	SOLANO	414,337	115.0	27.8	27.6	22.5	32.8
13	VENTURA	830,215	237.0	28.5	28.2	24.5	31.8
14	PLACER	356,367	108.0	30.3	28.4	22.9	33.9
15	NAPA	137,634	46.7	33.9	29.6	21.7	39.4
16	SAN DIEGO	3,125,321	976.3	31.2	30.4	28.4	32.3
17	IMPERIAL	177,229	51.7	29.2	30.6	22.8	40.3
18	MONTEREY	419,998	127.7	30.4	30.9	25.4	36.3
19	YOLO	202,630	58.3	28.8	30.9	23.5	40.0
20	RIVERSIDE	2,220,502	683.3	30.8	31.3	29.0	33.7
21	SAN FRANCISCO	813,123	294.3	36.2	31.5	27.8	35.1
22	SACRAMENTO	1,430,884	453.7	31.7	31.6	28.7	34.6
23	SAN BENITO	55,950	17.3	31.0 *	32.1 *	18.8	51.1
24	SANTA CRUZ	265,569	89.3	33.6	32.6	26.2	40.1
25	TULARE	447,665	139.3	31.1	33.7	28.0	39.4
26	SAN LUIS OBISPO	270,119	104.0	38.5	34.1	27.3	40.9
27	INYO	18,687	7.7	41.0 *	35.2 *	14.8	70.2
28	FRESNO	939,278	317.7	33.8	36.0	31.9	40.0
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: IVP-11					36.0	
29	KINGS	151,655	50.7	33.4	37.5	27.9	49.3
30	STANISLAUS	518,141	195.0	37.6	38.1	32.7	43.5
31	COLUSA	21,502	8.3	38.8 *	38.1 *	16.8	74.1
32	EL DORADO	180,663	76.0	42.1	38.4	30.3	48.1
33	NEVADA	98,593	45.7	46.3	40.1	29.3	53.6
34	SIERRA	3,146	1.0	31.8 *	41.1 *	1.0	229.0
35	KERN	848,839	328.7	38.7	41.5	37.0	46.1
36	SAN JOAQUIN	692,862	281.7	40.7	41.8	36.8	46.7
37	MADERA	152,008	62.3	41.0	41.9	32.2	53.7
38	SUTTER	94,764	40.0	42.2	42.2	30.1	57.4
39	LASSEN	34,668	16.0	46.2 *	42.4 *	24.2	68.8
40	CALAVERAS	45,143	22.0	48.7	43.7	27.4	66.2
41	MERCED	259,289	102.3	39.5	43.8	35.2	52.4
42	MARIPOSA	17,977	10.7	59.3 *	45.0 *	22.2	81.2
43	GLENN	28,255	14.3	50.7 *	49.9 *	27.5	83.2
44	MENDOCINO	88,071	49.0	55.6	51.2	37.8	67.6
45	AMADOR	37,288	22.3	59.9	51.7	32.5	78.1
46	PLUMAS	19,953	12.0	60.1 *	54.9 *	28.4	95.9
47	DEL NORTE	28,498	17.7	62.0 *	56.7 *	33.4	90.0
48	TUOLUMNE	55,041	35.7	64.8	58.6	41.0	81.2
49	YUBA	72,620	41.0	56.5	58.9	42.2	79.8
50	SHASTA	178,089	115.7	64.9	60.3	48.8	71.8
51	TRINITY	13,546	9.3	68.9 *	63.7 *	29.6	119.5
52	BUTTE	220,521	154.7	70.1	66.2	55.3	77.2
53	TEHAMA	63,514	43.0	67.7	66.4	48.1	89.5
54	SISKIYOU	44,875	34.7	77.3	67.6	47.0	94.2
55	HUMBOLDT	135,218	98.3	72.7	70.0	56.8	85.3
56	MODOC	9,565	8.0	83.6 *	74.7 *	32.3	147.2
57	LAKE	64,419	65.7	101.9	88.6	68.5	112.8
58	ALPINE	1,118	0.7	59.6 *	92.8 *	0.5	693.1

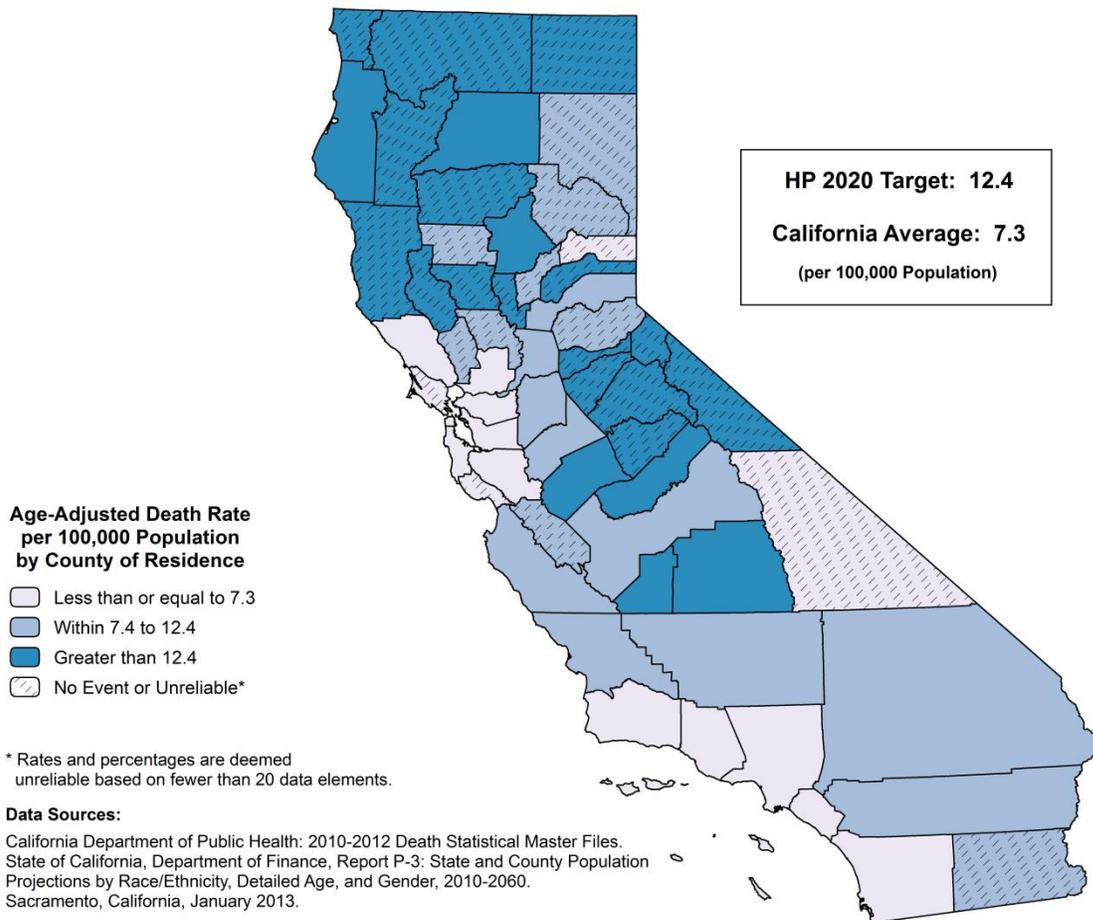
* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DEATHS DUE TO MOTOR VEHICLE TRAFFIC CRASHES, 2010-2012



The crude death rate from motor vehicle traffic crashes for California was 7.4 deaths per 100,000 population, a risk of dying from motor vehicle traffic crashes equivalent to approximately one death for every 13,433.8 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 2,796.7 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 17.7 in Humboldt County to 2.7 in San Francisco County, a factor of 6.5 to 1.

The age-adjusted death rate from motor vehicle traffic crashes for California during the 2010 through 2012 three-year period was 7.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 17.6 in Humboldt County to 2.6 in San Francisco County.

Twenty-two counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective IVP-13.1 of no more than 12.4 age-adjusted deaths due to motor vehicle traffic crashes per 100,000 population. An additional twelve counties with unreliable rates and one county with no deaths due to motor vehicle traffic crashes met the objective.

The California average age-adjusted death rate from motor vehicle traffic crashes for the 2007-2009 period was 9.5.

**TABLE 15
DEATHS DUE TO MOTOR VEHICLE TRAFFIC CRASHES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	SIERRA	3,146	0.0	-	-	-	-
2	SAN FRANCISCO	813,123	22.3	2.7	2.6	1.6	3.9
3	MARIN	254,359	7.7	3.0 *	3.0 *	1.3	6.0
4	ALAMEDA	1,526,220	67.7	4.4	4.3	3.4	5.5
5	SAN MATEO	727,980	32.3	4.4	4.4	3.0	6.1
6	ORANGE	3,047,120	143.3	4.7	4.6	3.8	5.3
7	SANTA CRUZ	265,569	13.3	5.0 *	4.8 *	2.6	8.2
8	SANTA CLARA	1,806,881	92.7	5.1	5.1	4.1	6.2
9	SONOMA	486,778	26.3	5.4	5.2	3.4	7.6
10	CONTRA COSTA	1,061,375	58.3	5.5	5.5	4.2	7.1
11	INYO	18,687	1.7	8.9 *	6.2 *	0.5	24.7
12	LOS ANGELES	9,860,836	621.7	6.3	6.2	5.7	6.7
13	SAN DIEGO	3,125,321	202.7	6.5	6.3	5.4	7.2
14	SANTA BARBARA	425,756	30.0	7.0	6.7	4.5	9.6
15	VENTURA	830,215	57.0	6.9	6.8	5.1	8.7
16	SOLANO	414,337	31.0	7.5	7.2	4.9	10.2
	CALIFORNIA	37,570,307	2,796.7	7.4	7.3	7.0	7.6
17	PLACER	356,367	26.7	7.5	7.6	5.0	11.1
18	SAN LUIS OBISPO	270,119	22.7	8.4	7.7	4.9	11.6
19	SACRAMENTO	1,430,884	117.7	8.2	8.2	6.7	9.7
20	MONTEREY	419,998	34.0	8.1	8.3	5.7	11.5
21	EL DORADO	180,663	15.0	8.3 *	8.4 *	4.7	13.9
22	NAPA	137,634	11.7	8.5 *	8.4 *	4.3	14.8
23	YOLO	202,630	17.3	8.6 *	8.5 *	5.0	13.6
24	IMPERIAL	177,229	15.7	8.8 *	9.1 *	5.2	14.9
25	RIVERSIDE	2,220,502	209.7	9.4	9.5	8.2	10.8
26	YUBA	72,620	6.7	9.2 *	9.5 *	3.7	19.9
27	SAN BERNARDINO	2,053,348	198.7	9.7	9.8	8.4	11.2
28	PLUMAS	19,953	2.3	11.7 *	10.5 *	1.6	34.8
29	SAN JOAQUIN	692,862	73.0	10.5	10.7	8.4	13.4
30	SAN BENITO	55,950	6.0	10.7 *	10.9 *	4.0	23.7
31	STANISLAUS	518,141	61.7	11.9	12.0	9.2	15.4
32	LASSEN	34,668	4.7	13.5 *	12.1 *	3.7	29.0
33	FRESNO	939,278	112.7	12.0	12.2	9.9	14.5
34	GLENN	28,255	3.3	11.8 *	12.4 *	2.8	34.4
35	KERN	848,839	103.3	12.2	12.4	10.0	14.9
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: IVP-13.1					12.4	
36	SHASTA	178,089	24.7	13.9	13.4	8.6	19.8
37	NEVADA	98,593	14.0	14.2 *	13.4 *	7.3	22.5
38	TULARE	447,665	59.7	13.3	13.4	10.2	17.3
39	BUTTE	220,521	32.0	14.5	13.7	9.4	19.4
40	MONO	14,305	1.3	9.3 *	13.8 *	0.8	63.7
41	MERCED	259,289	34.3	13.2	14.0	9.7	19.5
42	KINGS	151,655	21.0	13.8	14.1	8.7	21.5
43	AMADOR	37,288	5.7	15.2 *	14.3 *	5.0	31.7
44	SUTTER	94,764	14.0	14.8 *	14.7 *	8.1	24.7
45	TUOLUMNE	55,041	9.3	17.0 *	15.1 *	7.0	28.4
46	MADERA	152,008	24.7	16.2	16.4	10.6	24.3
47	MENDOCINO	88,071	15.0	17.0 *	16.5 *	9.2	27.2
48	HUMBOLDT	135,218	24.0	17.7	17.6	11.2	26.1
49	MARIPOSA	17,977	3.3	18.5 *	18.1 *	4.2	50.3
50	SISKIYOU	44,875	10.0	22.3 *	19.6 *	9.4	36.0
51	TEHAMA	63,514	12.0	18.9 *	19.7 *	10.2	34.4
52	COLUSA	21,502	4.0	18.6 *	19.8 *	5.4	50.8
53	CALAVERAS	45,143	8.0	17.7 *	20.1 *	8.7	39.5
54	TRINITY	13,546	2.7	19.7 *	22.2 *	4.0	68.9
55	DEL NORTE	28,498	7.0	24.6 *	23.0 *	9.2	47.4
56	LAKE	64,419	16.0	24.8 *	24.2 *	13.8	39.3
57	MODOC	9,565	3.0	31.4 *	26.3 *	5.4	77.0
58	ALPINE	1,118	0.3	29.8 *	42.9 *	0.0	561.2

* Rates are deemed unreliable based on fewer than 20 data elements.

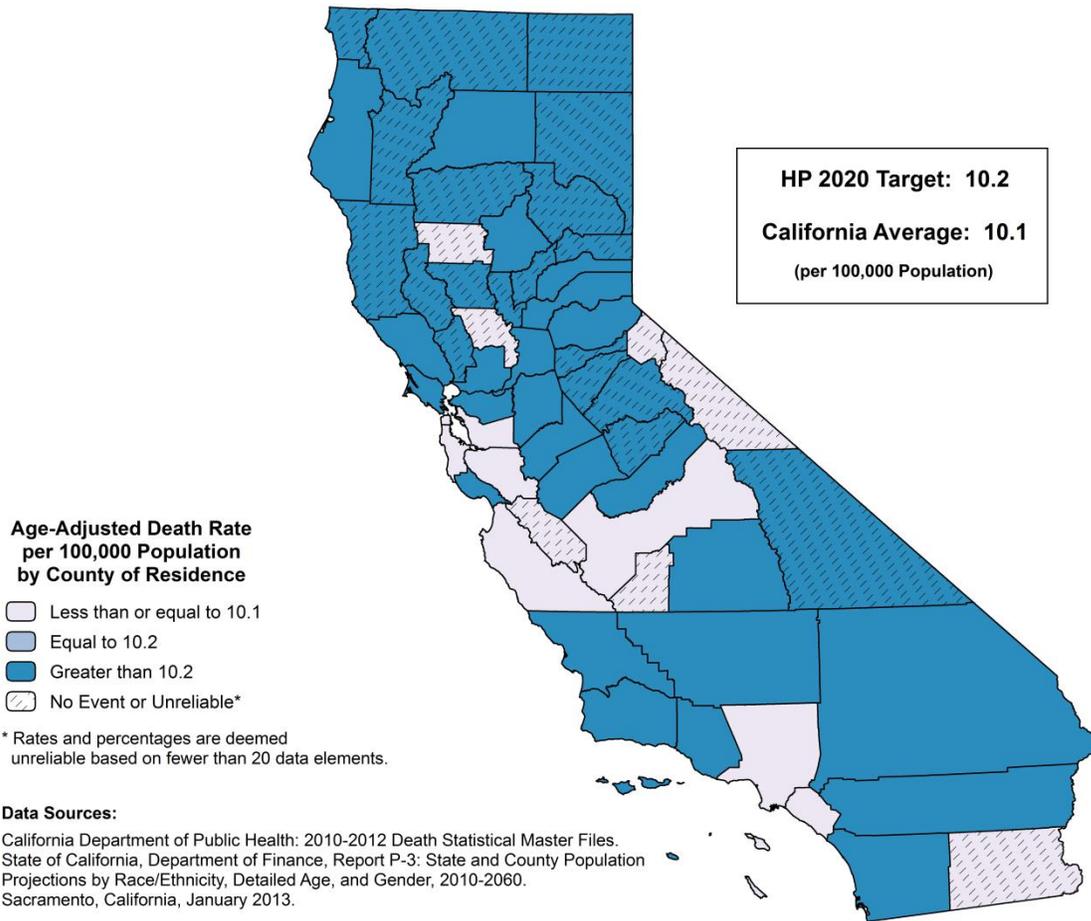
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DEATHS DUE TO SUICIDE, 2010-2012



The crude death rate from suicide for California was 10.3 deaths per 100,000 population, a risk of dying from suicide equivalent to approximately one death for every 9,663.1 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 3,888.0 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 24.9 in Humboldt County to 7.8 in Los Angeles County, a factor of 3.2 to 1.

The age-adjusted death rate from suicide for California during the 2010 through 2012 three-year period was 10.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 23.4 in Humboldt County to 7.7 in Los Angeles County.

Eight counties with reliable age-adjusted rates and California as a whole met the Healthy People 2020 National Objective MHMD-1 of no more than 10.2 age-adjusted deaths due to suicide per 100,000 population. An additional six counties with unreliable rates and one county with no deaths due to suicide met the objective.

The California average age-adjusted death rate from suicide for the 2007-2009 period was 10.0.

**TABLE 16
DEATHS DUE TO SUICIDE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,118	0.0	-	-	-	-
2	GLENN	28,255	2.0	7.1 *	7.1 *	0.9	25.5
3	IMPERIAL	177,229	12.3	7.0 *	7.2 *	3.7	12.5
4	LOS ANGELES	9,860,836	773.3	7.8	7.7	7.2	8.3
5	KINGS	151,655	11.7	7.7 *	7.9 *	4.0	13.8
6	SANTA CLARA	1,806,881	151.0	8.4	8.1	6.8	9.4
7	FRESNO	939,278	76.0	8.1	8.4	6.6	10.5
8	SAN MATEO	727,980	68.0	9.3	8.5	6.6	10.8
9	ALAMEDA	1,526,220	136.0	8.9	8.6	7.1	10.1
10	SAN BENITO	55,950	4.7	8.3 *	8.9 *	2.7	21.2
11	YOLO	202,630	17.7	8.7 *	8.9 *	5.3	14.1
12	MONO	14,305	1.3	9.3 *	9.1 *	0.5	41.8
13	MONTEREY	419,998	37.7	9.0	9.1	6.4	12.5
14	ORANGE	3,047,120	294.3	9.7	9.4	8.3	10.5
15	SAN FRANCISCO	813,123	88.3	10.9	9.8	7.9	12.1
	CALIFORNIA	37,570,307	3,888.0	10.3	10.1	9.8	10.5
			HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MHMD-1		10.2		
16	RIVERSIDE	2,220,502	226.7	10.2	10.3	9.0	11.7
17	SANTA BARBARA	425,756	44.7	10.5	10.4	7.6	14.0
18	VENTURA	830,215	90.3	10.9	10.5	8.5	12.9
19	TULARE	447,665	43.0	9.6	10.6	7.7	14.2
20	SAN BERNARDINO	2,053,348	209.0	10.2	10.6	9.1	12.0
21	STANISLAUS	518,141	54.0	10.4	10.7	8.0	13.9
22	CONTRA COSTA	1,061,375	118.7	11.2	10.8	8.8	12.7
23	SAN JOAQUIN	692,862	71.7	10.3	10.9	8.5	13.7
24	KERN	848,839	92.0	10.8	11.6	9.4	14.3
25	LASSEN	34,668	4.7	13.5 *	11.8 *	3.6	28.3
26	SAN DIEGO	3,125,321	381.0	12.2	11.8	10.6	13.0
27	SUTTER	94,764	11.3	12.0 *	12.2 *	6.1	21.6
28	MERCED	259,289	28.7	11.1	12.2	8.2	17.6
29	SOLANO	414,337	52.3	12.6	12.3	9.2	16.2
30	SACRAMENTO	1,430,884	182.7	12.8	12.6	10.7	14.4
31	NAPA	137,634	18.7	13.6 *	12.7 *	7.6	20.0
32	SONOMA	486,778	69.0	14.2	12.8	9.9	16.2
33	MARIN	254,359	39.7	15.6	12.9	9.2	17.7
34	PLACER	356,367	49.0	13.7	13.0	9.6	17.1
35	SANTA CRUZ	265,569	36.3	13.7	13.4	9.4	18.5
36	COLUSA	21,502	2.7	12.4 *	13.5 *	2.4	41.7
37	YUBA	72,620	10.3	14.2 *	14.1 *	6.8	25.6
38	SAN LUIS OBISPO	270,119	51.7	19.1	16.9	12.6	22.1
39	BUTTE	220,521	40.3	18.3	17.3	12.4	23.6
40	MADERA	152,008	25.3	16.7	17.4	11.3	25.7
41	INYO	18,687	3.7	19.6 *	17.8 *	4.5	47.2
42	PLUMAS	19,953	4.0	20.0 *	18.4 *	5.0	47.2
43	TUOLUMNE	55,041	11.3	20.6 *	18.6 *	9.4	33.0
44	NEVADA	98,593	21.0	21.3	19.0	11.8	29.1
45	MENDOCINO	88,071	18.3	20.8 *	19.2 *	11.4	30.2
46	TEHAMA	63,514	13.0	20.5 *	19.2 *	10.2	32.9
47	EL DORADO	180,663	38.7	21.4	19.7	14.0	26.9
48	MODOC	9,565	2.3	24.4 *	21.4 *	3.2	71.0
49	SISKIYOU	44,875	10.0	22.3 *	22.2 *	10.6	40.7
50	SHASTA	178,089	43.3	24.3	22.6	16.4	30.4
51	DEL NORTE	28,498	6.7	23.4 *	23.3 *	9.1	48.8
52	HUMBOLDT	135,218	33.7	24.9	23.4	16.2	32.7
53	LAKE	64,419	18.3	28.5 *	24.6 *	14.6	38.7
54	SIERRA	3,146	0.7	21.2 *	25.1 *	0.1	187.5
55	MARIPOSA	17,977	5.0	27.8 *	25.7 *	8.4	60.0
56	AMADOR	37,288	12.0	32.2 *	26.9 *	13.9	47.0
57	CALAVERAS	45,143	14.0	31.0 *	28.3 *	15.4	47.4
58	TRINITY	13,546	4.0	29.5 *	28.4 *	7.7	72.6

* Rates are deemed unreliable based on fewer than 20 data elements.

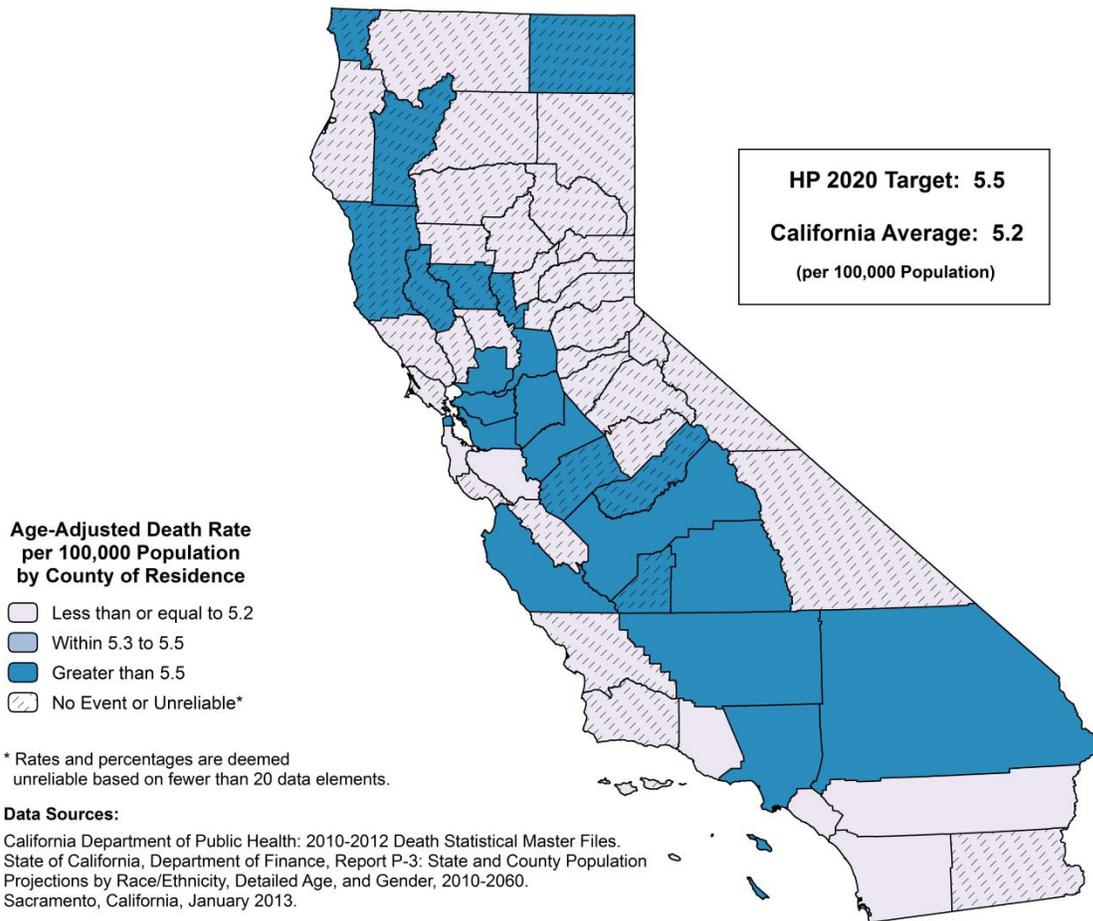
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DEATHS DUE TO HOMICIDE, 2010-2012



The crude death rate from homicide for California was 5.3 deaths per 100,000 population, a risk of dying from homicide equivalent to approximately one death for every 18,965.3 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 1,981.0 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 11.9 in San Joaquin County to 2.3 in Orange County, a factor of 5.2 to 1.

The age-adjusted death rate from homicide for California during the 2010 through 2012 three-year period was 5.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 12.0 in San Joaquin County to 2.2 in Orange County.

Six counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective IVP-29 of no more than 5.5 age-adjusted deaths due to homicide per 100,000 population. An additional twenty-six counties with unreliable rates and three counties with no homicide deaths met the objective.

The California average age-adjusted death rate from homicide for the 2007-2009 period was 5.9.

**TABLE 17
DEATHS DUE TO HOMICIDE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,305	0.0	-	-	-	-
2	SIERRA	3,146	0.0	-	-	-	-
3	ALPINE	1,118	0.0	-	-	-	-
4	CALAVERAS	45,143	0.7	1.5 *	1.0 *	0.0	7.2
5	GLENN	28,255	0.3	1.2 *	1.2 *	0.0	15.2
6	MARIN	254,359	2.7	1.0 *	1.2 *	0.2	3.6
7	NAPA	137,634	1.7	1.2 *	1.2 *	0.1	4.7
8	YOLO	202,630	3.7	1.8 *	1.7 *	0.4	4.6
9	SAN LUIS OBISPO	270,119	5.7	2.1 *	1.8 *	0.6	4.1
10	INYO	18,687	0.7	3.6 *	1.9 *	0.0	14.2
11	TUOLUMNE	55,041	0.7	1.2 *	2.0 *	0.0	14.7
12	PLACER	356,367	6.7	1.9 *	2.0 *	0.8	4.2
13	ORANGE	3,047,120	70.0	2.3	2.2	1.8	2.8
14	SONOMA	486,778	11.0	2.3 *	2.4 *	1.2	4.2
15	IMPERIAL	177,229	4.3	2.4 *	2.4 *	0.7	6.0
16	VENTURA	830,215	20.3	2.4	2.5	1.5	3.9
17	SANTA BARBARA	425,756	11.0	2.6 *	2.6 *	1.3	4.6
18	SANTA CLARA	1,806,881	50.7	2.8	2.8	2.1	3.7
19	EL DORADO	180,663	4.7	2.6 *	2.9 *	0.9	6.9
20	PLUMAS	19,953	0.3	1.7 *	2.9 *	0.0	37.9
21	SAN DIEGO	3,125,321	95.0	3.0	2.9	2.3	3.6
22	NEVADA	98,593	2.7	2.7 *	3.1 *	0.6	9.7
23	MARIPOSA	17,977	0.3	1.9 *	3.1 *	0.0	40.8
24	SAN MATEO	727,980	21.7	3.0	3.2	2.0	4.9
25	SHASTA	178,089	6.3	3.6 *	3.7 *	1.4	8.0
26	HUMBOLDT	135,218	5.0	3.7 *	3.9 *	1.3	9.0
27	AMADOR	37,288	1.3	3.6 *	4.0 *	0.2	18.4
28	TEHAMA	63,514	2.0	3.1 *	4.0 *	0.5	14.4
29	RIVERSIDE	2,220,502	92.3	4.2	4.2	3.4	5.1
30	BUTTE	220,521	10.0	4.5 *	4.5 *	2.1	8.2
31	SANTA CRUZ	265,569	12.0	4.5 *	4.5 *	2.3	7.8
32	LASSEN	34,668	1.7	4.8 *	4.7 *	0.4	18.9
33	SAN BENITO	55,950	2.3	4.2 *	4.7 *	0.7	15.6
34	YUBA	72,620	3.0	4.1 *	5.0 *	1.0	14.6
35	SISKIYOU	44,875	2.0	4.5 *	5.1 *	0.6	18.5
	CALIFORNIA	37,570,307	1,981.0	5.3	5.2	4.9	5.4
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: IVP-29					5.5	
36	SUTTER	94,764	5.3	5.6 *	5.6 *	1.9	12.8
37	MENDOCINO	88,071	4.7	5.3 *	5.8 *	1.8	13.8
38	MADERA	152,008	8.7	5.7 *	5.8 *	2.6	11.1
39	SAN BERNARDINO	2,053,348	124.3	6.1	6.0	4.9	7.0
40	LOS ANGELES	9,860,836	619.3	6.3	6.0	5.5	6.5
41	SACRAMENTO	1,430,884	87.7	6.1	6.0	4.8	7.4
42	KINGS	151,655	9.0	5.9 *	6.0 *	2.8	11.5
43	SAN FRANCISCO	813,123	53.0	6.5	6.1	4.5	7.9
44	COLUSA	21,502	1.3	6.2 *	6.7 *	0.4	30.8
45	LAKE	64,419	4.0	6.2 *	6.8 *	1.8	17.3
46	STANISLAUS	518,141	36.0	6.9	6.9	4.8	9.5
47	CONTRA COSTA	1,061,375	74.0	7.0	7.3	5.8	9.2
48	MERCED	259,289	19.7	7.6 *	7.4 *	4.5	11.5
49	TULARE	447,665	36.0	8.0	7.7	5.4	10.7
50	FRESNO	939,278	74.7	7.9	7.9	6.2	9.9
51	KERN	848,839	71.0	8.4	8.3	6.5	10.5
52	ALAMEDA	1,526,220	133.0	8.7	8.5	7.1	10.0
53	SOLANO	414,337	36.0	8.7	8.9	6.2	12.3
54	DEL NORTE	28,498	2.7	9.4 *	9.3 *	1.7	28.7
55	MONTEREY	419,998	42.3	10.1	9.5	6.8	12.8
56	SAN JOAQUIN	692,862	82.7	11.9	12.0	9.5	14.9
57	MODOC	9,565	1.3	13.9 *	14.2 *	0.8	65.6
58	TRINITY	13,546	1.7	12.3 *	14.3 *	1.3	57.4

* Rates are deemed unreliable based on fewer than 20 data elements.

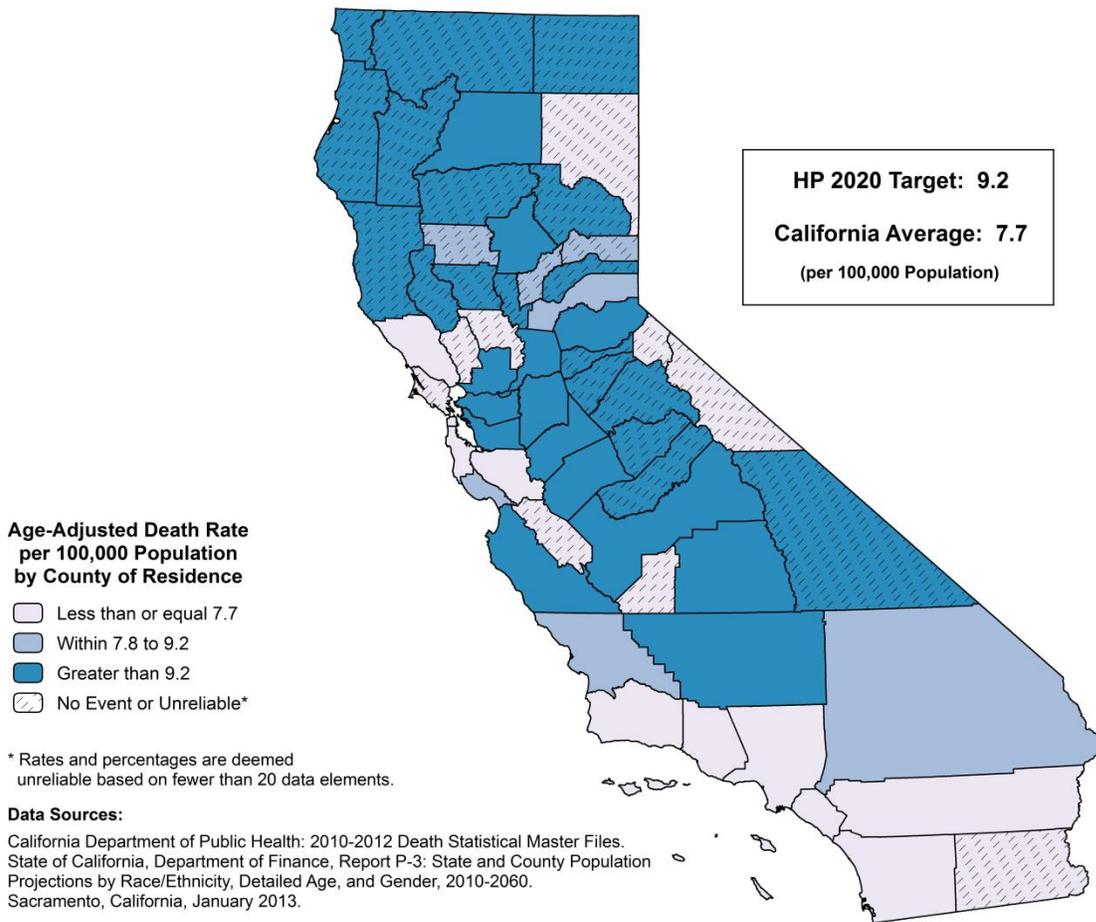
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

FIREARM-RELATED DEATHS, 2010-2012



The crude death rate from firearm-related injuries for California was 7.9 deaths per 100,000 population, a risk of dying from firearm-related injuries equivalent to approximately one death for every 12,655.5 persons. This rate was based on the 2010 through 2012 three-year average number of deaths equaling 2,968.7 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 15.5 in Shasta County to 4.3 in Santa Clara County, a factor of 3.6 to 1.

The age-adjusted death rate from firearm-related injuries for California during the 2010 through 2012 three-year period was 7.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 14.1 in San Joaquin County to 4.3 in Santa Clara County.

Fourteen counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective IVP-30 of no more than 9.2 age-adjusted deaths due to firearm-related injuries per 100,000 population. An additional eleven counties with unreliable age-adjusted death rates and one county with no deaths due to firearm-related injuries met the objective.

The California average age-adjusted death rate from firearm-related injuries for the 2007-2009 period was 8.4.

**TABLE 18
FIREARM-RELATED DEATHS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,118	0.0	-	-	-	-
2	YOLO	202,630	7.3	3.6 *	3.6 *	1.5	7.3
3	SANTA CLARA	1,806,881	78.0	4.3	4.3	3.4	5.3
4	SAN MATEO	727,980	34.0	4.7	4.7	3.3	6.6
5	ORANGE	3,047,120	151.3	5.0	4.8	4.0	5.6
6	KINGS	151,655	7.3	4.8 *	4.9 *	2.0	10.0
7	IMPERIAL	177,229	8.7	4.9 *	5.2 *	2.3	9.9
8	MARIN	254,359	16.7	6.6 *	5.3 *	3.1	8.6
9	SAN BENITO	55,950	2.7	4.8 *	5.4 *	1.0	16.8
10	VENTURA	830,215	47.3	5.7	5.6	4.1	7.4
11	SAN FRANCISCO	813,123	50.7	6.2	5.9	4.4	7.7
12	SAN DIEGO	3,125,321	192.3	6.2	6.0	5.1	6.8
13	SANTA BARBARA	425,756	26.0	6.1	6.0	3.9	8.8
14	SONOMA	486,778	35.3	7.3	6.7	4.7	9.3
15	RIVERSIDE	2,220,502	153.0	6.9	7.0	5.8	8.1
16	NAPA	137,634	10.0	7.3 *	7.0 *	3.4	12.9
17	MONO	14,305	1.0	7.0 *	7.1 *	0.2	39.6
18	LASSEN	34,668	2.7	7.7 *	7.2 *	1.3	22.2
19	LOS ANGELES	9,860,836	750.7	7.6	7.4	6.8	7.9
	CALIFORNIA	37,570,307	2,968.7	7.9	7.7	7.5	8.0
20	GLENN	28,255	2.3	8.3 *	7.8 *	1.2	25.7
21	SANTA CRUZ	265,569	22.0	8.3	8.1	5.1	12.2
22	SIERRA	3,146	0.3	10.6 *	8.2 *	0.0	106.6
23	PLACER	356,367	30.3	8.5	8.2	5.5	11.6
24	YUBA	72,620	5.7	7.8 *	8.3 *	2.9	18.5
25	SAN LUIS OBISPO	270,119	27.7	10.2	8.4	5.6	12.2
26	SAN BERNARDINO	2,053,348	182.0	8.9	9.1	7.7	10.4
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: IVP-30					9.2	
27	FRESNO	939,278	87.7	9.3	9.3	7.4	11.4
28	SACRAMENTO	1,430,884	136.0	9.5	9.4	7.8	11.0
29	STANISLAUS	518,141	50.3	9.7	9.6	7.1	12.7
30	ALAMEDA	1,526,220	157.3	10.3	10.1	8.5	11.7
31	CONTRA COSTA	1,061,375	106.7	10.0	10.3	8.3	12.3
32	MERCED	259,289	27.0	10.4	10.5	6.9	15.2
33	MONTEREY	419,998	45.7	10.9	10.5	7.7	14.1
34	SUTTER	94,764	10.0	10.6 *	10.7 *	5.1	19.6
35	EL DORADO	180,663	20.7	11.4	10.7	6.6	16.4
36	BUTTE	220,521	26.7	12.1	11.0	7.2	16.1
37	MADERA	152,008	16.7	11.0 *	11.2 *	6.5	17.9
38	TULARE	447,665	49.0	10.9	11.2	8.3	14.8
39	KERN	848,839	92.3	10.9	11.4	9.2	14.0
40	HUMBOLDT	135,218	17.3	12.8 *	11.6 *	6.8	18.4
41	NEVADA	98,593	14.0	14.2 *	12.0 *	6.6	20.2
42	SOLANO	414,337	49.3	11.9	12.0	8.9	15.9
43	TEHAMA	63,514	8.7	13.6 *	12.1 *	5.4	23.2
44	PLUMAS	19,953	2.7	13.4 *	12.3 *	2.2	38.1
45	TUOLUMNE	55,041	7.0	12.7 *	12.6 *	5.0	25.9
46	INYO	18,687	3.0	16.1 *	12.9 *	2.7	37.6
47	COLUSA	21,502	2.7	12.4 *	12.9 *	2.3	40.0
48	SHASTA	178,089	27.7	15.5	13.9	9.2	20.1
49	SAN JOAQUIN	692,862	97.7	14.1	14.1	11.5	17.2
50	LAKE	64,419	11.7	18.1 *	14.5 *	7.4	25.6
51	MENDOCINO	88,071	12.7	14.4 *	14.7 *	7.8	25.3
52	AMADOR	37,288	8.7	23.2 *	15.7 *	7.1	30.2
53	CALAVERAS	45,143	9.0	19.9 *	16.7 *	7.7	31.8
54	SISKIYOU	44,875	8.7	19.3 *	16.8 *	7.5	32.2
55	MARIPOSA	17,977	3.3	18.5 *	18.4 *	4.2	51.3
56	DEL NORTE	28,498	5.7	19.9 *	19.4 *	6.9	43.1
57	TRINITY	13,546	4.3	32.0 *	26.8 *	7.8	66.3
58	MODOC	9,565	3.3	34.8 *	30.5 *	7.0	84.8

* Rates are deemed unreliable based on fewer than 20 data elements.

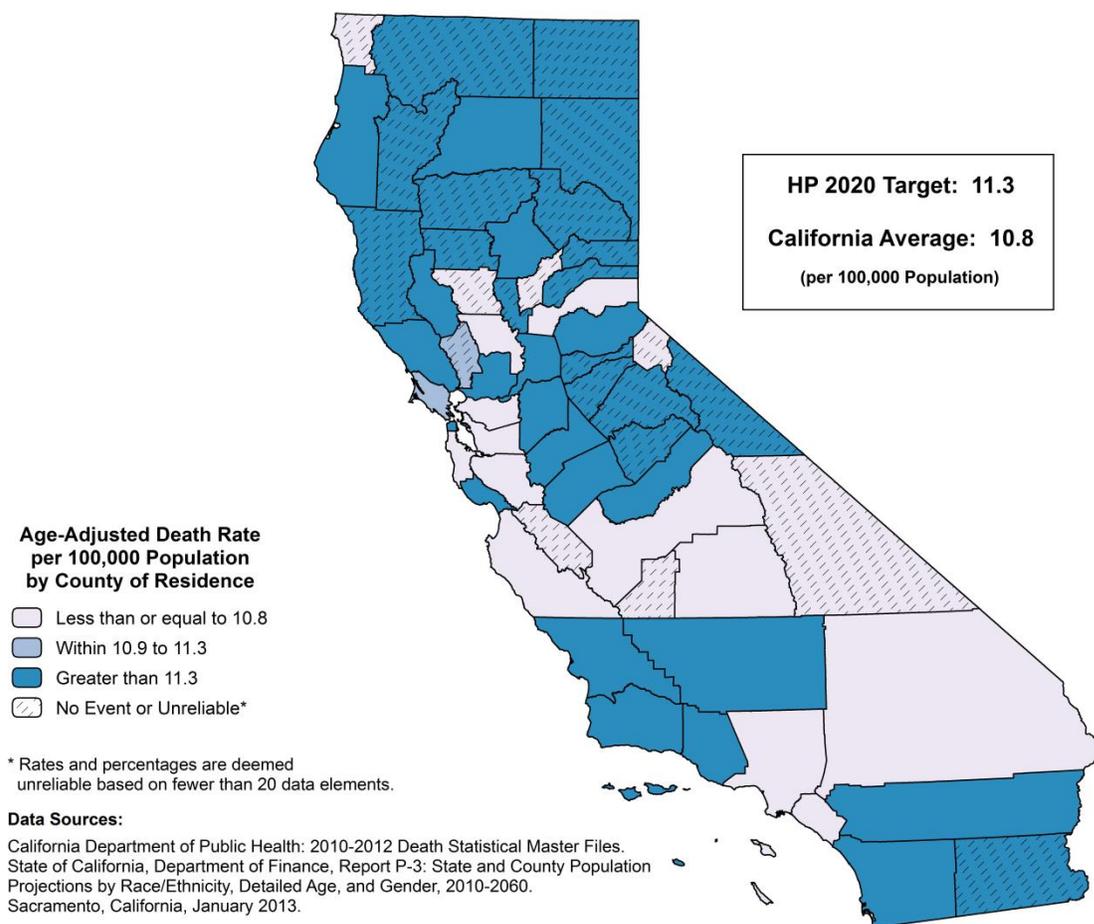
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

DRUG-INDUCED DEATHS, 2010-2012



The crude death rate from drug-induced deaths for California was 11.2 deaths per 100,000 population, a risk of dying from drug-induced deaths equivalent to approximately one death for every 8,937.4 persons. This rate was based on a 2010 through 2012 three-year average number of deaths equaling 4,203.7 and a population count of 37,570,307 as of July 1, 2011. Among counties with reliable rates, the crude rate ranged from 48.1 in Lake County to 6.9 in Los Angeles County, a factor of 6.9 to 1.

The age-adjusted death rate from drug-induced deaths for California during the 2010 through 2012 three-year period was 10.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 42.6 in Lake County to 6.7 in Los Angeles County.

Thirteen counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective SA-12 of no more than 11.3 age-adjusted drug-induced deaths per 100,000 population. An additional seven counties with unreliable age-adjusted death rates and one county with no drug-induced deaths met the objective.

The California average age-adjusted death rate from drug-induced deaths for the 2007-2009 period was 11.1.

**TABLE 19
DRUG-INDUCED DEATHS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,118	0.0	-	-	-	-
2	COLUSA	21,502	1.0	4.7 *	4.4 *	0.1	24.2
3	YUBA	72,620	5.0	6.9 *	6.4 *	2.1	15.0
4	LOS ANGELES	9,860,836	684.3	6.9	6.7	6.2	7.2
5	SAN MATEO	727,980	58.3	8.0	7.3	5.6	9.5
6	SANTA CLARA	1,806,881	142.7	7.9	7.5	6.3	8.7
7	PLACER	356,367	28.3	8.0	7.5	5.0	10.8
8	TULARE	447,665	32.7	7.3	8.2	5.7	11.6
9	KINGS	151,655	13.3	8.8 *	8.8 *	4.7	15.0
10	ALAMEDA	1,526,220	146.3	9.6	8.8	7.4	10.3
11	DEL NORTE	28,498	2.7	9.4 *	9.1 *	1.6	28.3
12	SAN BERNARDINO	2,053,348	188.3	9.2	9.2	7.9	10.5
13	INYO	18,687	1.7	8.9 *	9.2 *	0.8	36.9
14	SAN BENITO	55,950	5.7	10.1 *	9.6 *	3.4	21.3
15	ORANGE	3,047,120	316.7	10.4	10.0	8.9	11.1
16	FRESNO	939,278	92.0	9.8	10.4	8.4	12.8
17	CONTRA COSTA	1,061,375	119.3	11.2	10.6	8.6	12.5
18	YOLO	202,630	20.0	9.9	10.6	6.5	16.4
19	MONTEREY	419,998	45.0	10.7	10.8	7.8	14.4
	CALIFORNIA	37,570,307	4,203.7	11.2	10.8	10.5	11.1
20	MARIN	254,359	32.3	12.7	11.3	7.7	15.9
21	NAPA	137,634	18.3	13.3 *	11.3 *	6.8	17.8
			HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: SA-12		11.3		
22	SANTA BARBARA	425,756	48.0	11.3	11.5	8.5	15.3
23	IMPERIAL	177,229	19.3	10.9 *	11.5 *	7.0	18.0
24	SOLANO	414,337	49.0	11.8	11.6	8.6	15.3
25	MONO	14,305	1.7	11.7 *	11.6 *	1.0	46.7
26	RIVERSIDE	2,220,502	272.0	12.2	12.4	10.9	13.9
27	SAN DIEGO	3,125,321	410.0	13.1	12.6	11.4	13.8
28	SONOMA	486,778	66.7	13.7	12.7	9.8	16.1
29	VENTURA	830,215	107.3	12.9	12.8	10.3	15.2
30	MERCED	259,289	33.0	12.7	14.0	9.6	19.7
31	SACRAMENTO	1,430,884	209.7	14.7	14.3	12.3	16.2
32	MENDOCINO	88,071	14.0	15.9 *	14.4 *	7.9	24.1
33	SAN LUIS OBISPO	270,119	40.7	15.1	14.9	10.7	20.2
34	NEVADA	98,593	16.0	16.2 *	15.1 *	8.6	24.5
35	SUTTER	94,764	14.3	15.1 *	15.6 *	8.6	26.0
36	TEHAMA	63,514	9.7	15.2 *	16.0 *	7.6	29.7
37	MADERA	152,008	23.7	15.6	16.0	10.2	23.9
38	TRINITY	13,546	2.3	17.2 *	16.1 *	2.4	53.5
39	STANISLAUS	518,141	86.0	16.6	16.6	13.3	20.5
40	MARIPOSA	17,977	4.7	26.0 *	17.6 *	5.4	42.3
41	SAN FRANCISCO	813,123	169.3	20.8	18.1	15.4	20.9
42	GLENN	28,255	4.7	16.5 *	18.2 *	5.6	43.6
43	SAN JOAQUIN	692,862	125.7	18.1	18.4	15.2	21.7
44	SANTA CRUZ	265,569	50.3	19.0	18.8	14.0	24.8
45	KERN	848,839	155.3	18.3	19.1	16.0	22.1
46	EL DORADO	180,663	36.3	20.1	19.3	13.5	26.6
47	LASSEN	34,668	8.3	24.0 *	20.7 *	9.1	40.2
48	SISKIYOU	44,875	10.0	22.3 *	25.2 *	12.1	46.3
49	AMADOR	37,288	10.7	28.6 *	25.4 *	12.5	45.9
50	TUOLUMNE	55,041	14.0	25.4 *	28.0 *	15.3	47.0
51	MODOC	9,565	2.3	24.4 *	28.2 *	4.3	93.7
52	SHASTA	178,089	50.3	28.3	28.2	21.0	37.2
53	CALAVERAS	45,143	12.7	28.1 *	29.1 *	15.3	50.0
54	PLUMAS	19,953	6.7	33.4 *	34.0 *	13.3	71.4
55	BUTTE	220,521	80.7	36.6	37.1	29.4	46.1
56	HUMBOLDT	135,218	52.3	38.7	37.2	27.8	48.7
57	SIERRA	3,146	1.0	31.8 *	41.1 *	1.0	229.0
58	LAKE	64,419	31.0	48.1	42.6	28.9	60.4

* Rates are deemed unreliable based on fewer than 20 data elements.

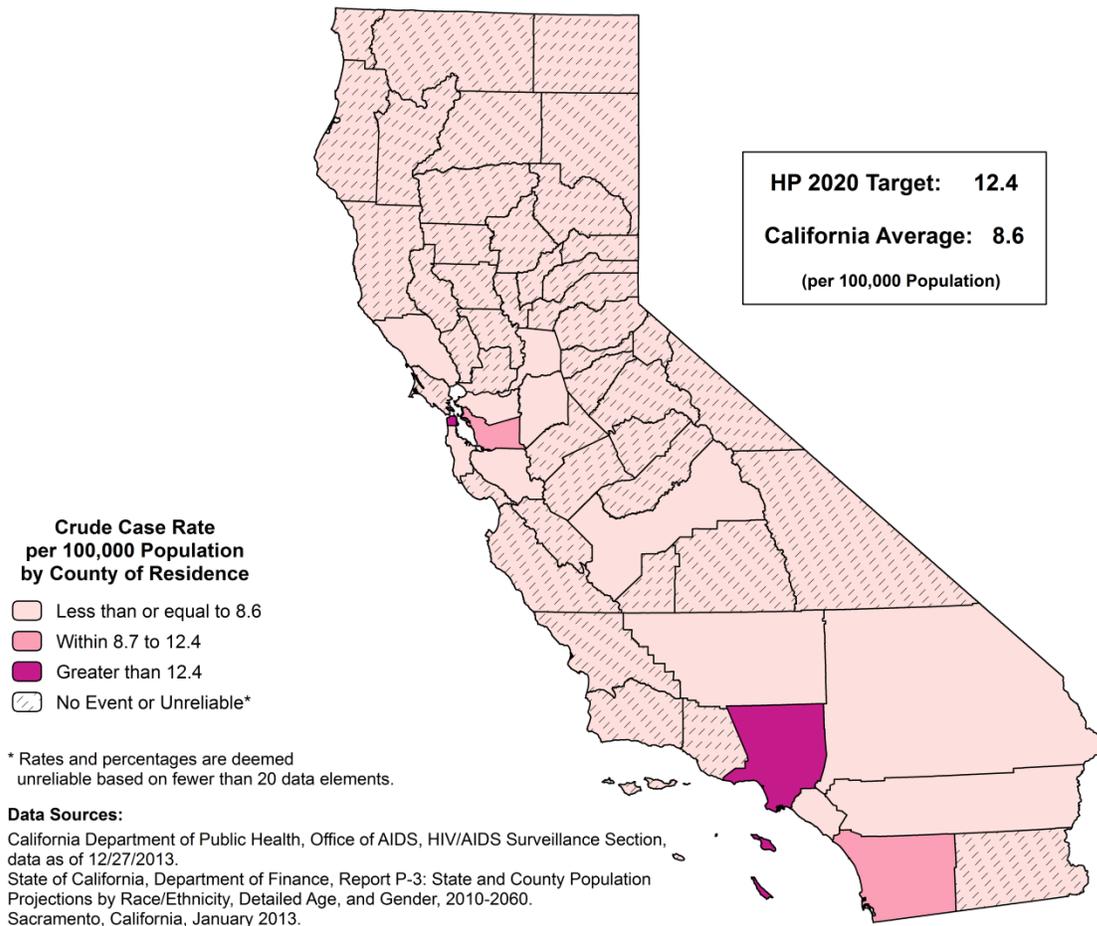
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, 2010-2012 Death Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OLDER, 2010-2012



The crude case rate of reported AIDS cases for Californians, aged 13 years and older, was 8.6 cases per 100,000 of corresponding age population, or approximately one reported AIDS case for every 11,631.8 population, aged 13 years and older. This rate was based on a 2010 through 2012 three-year average reported number of cases of persons aged 13 years and older equaling 2,668.3 and a corresponding age population count of 31,037,119 as of July 1, 2011.

Among counties with reliable rates, the crude case rate ranged from 35.1 in San Francisco County to 4.1 in San Mateo County, a factor of 8.4 to 1.

Thirteen counties with reliable crude case rates and California as a whole met the Healthy People 2020 National Objective HIV-4 of no more than 12.4 AIDS cases per 100,000 population, aged 13 years and older. An additional thirty-seven counties with unreliable rates and six counties with no new AIDS cases met the objective.

The California crude case rate of reported AIDS cases, aged 13 years and older, for the 2007-2009 period was 11.9.

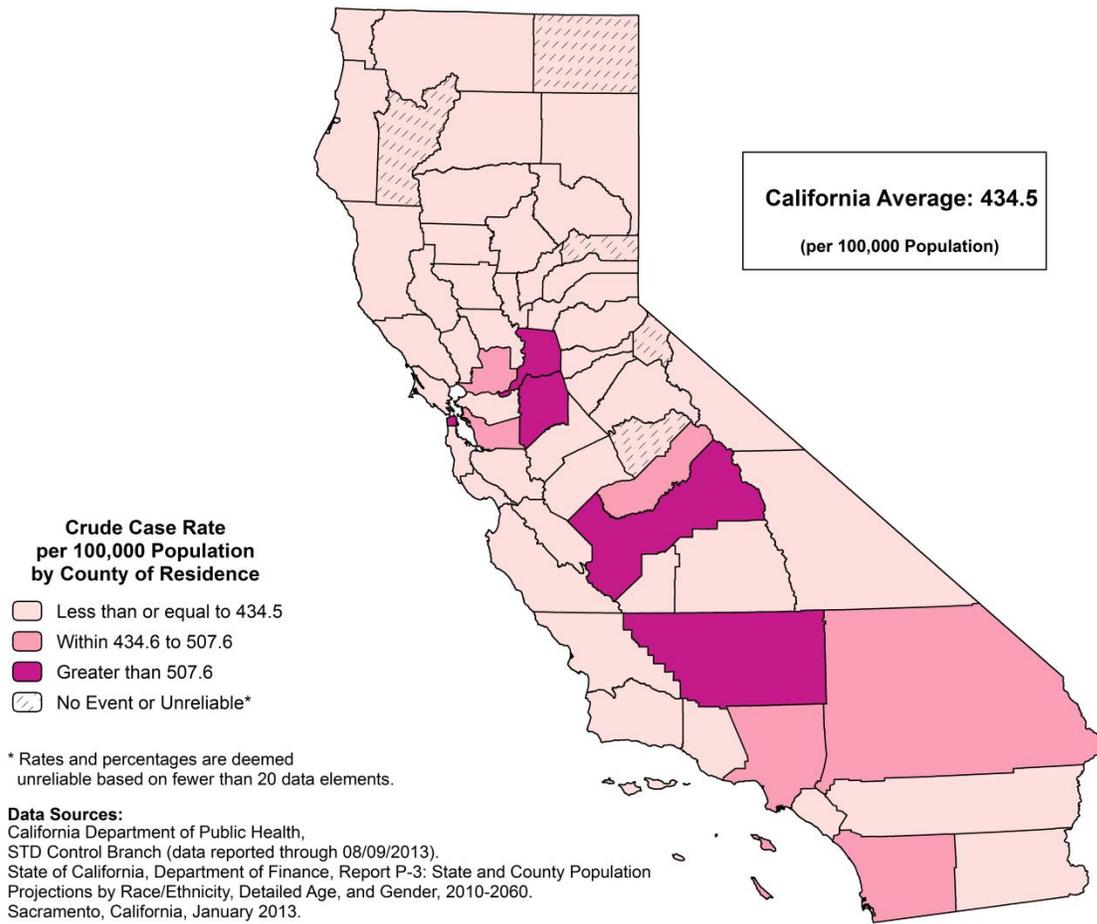
**TABLE 20
REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OVER
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION AGED 13 AND OVER	2010-2012 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	PLUMAS	17,534	0.0	-	-	-
2	INYO	16,024	0.0	-	-	-
3	MONO	12,151	0.0	-	-	-
4	MODOC	8,136	0.0	-	-	-
5	SIERRA	2,806	0.0	-	-	-
6	ALPINE	939	0.0	-	-	-
7	TEHAMA	52,328	0.3	0.6*	0.0	8.3
8	SAN BENITO	44,934	0.3	0.7*	0.0	9.7
9	CALAVERAS	39,518	0.3	0.8*	0.0	11.0
10	SHASTA	150,412	1.3	0.9*	0.0	4.1
11	MENDOCINO	74,315	0.7	0.9*	0.0	6.7
12	PLACER	296,906	3.7	1.2*	0.3	3.3
13	BUTTE	187,785	2.3	1.2*	0.2	4.1
14	SUTTER	76,331	1.0	1.3*	0.0	7.3
15	DEL NORTE	24,275	0.3	1.4*	0.0	18.0
16	HUMBOLDT	115,709	1.7	1.4*	0.1	5.8
17	GLENN	22,694	0.3	1.5*	0.0	19.2
18	NEVADA	86,147	1.3	1.5*	0.1	7.1
19	EL DORADO	153,567	2.7	1.7*	0.3	5.4
20	YOLO	170,861	3.0	1.8*	0.4	5.1
21	COLUSA	16,973	0.3	2.0*	0.0	25.7
22	AMADOR	33,281	0.7	2.0*	0.0	15.0
23	YUBA	57,371	1.3	2.3*	0.1	10.7
24	SAN LUIS OBISPO	234,643	5.7	2.4*	0.9	5.4
25	LAKE	55,049	1.3	2.4*	0.1	11.2
26	MADERA	121,252	3.3	2.7*	0.6	7.6
27	SANTA BARBARA	356,017	10.0	2.8*	1.3	5.2
28	VENTURA	683,561	19.3	2.8*	1.7	4.4
29	SANTA CRUZ	226,166	6.7	2.9*	1.2	6.2
30	STANISLAUS	414,779	13.3	3.2*	1.7	5.5
31	LASSEN	30,492	1.0	3.3*	0.1	18.3
32	TUOLUMNE	48,619	1.7	3.4*	0.3	13.8
33	MERCED	202,038	7.0	3.5*	1.4	7.1
34	KINGS	121,136	4.3	3.6*	1.0	8.9
35	TULARE	343,324	13.7	4.0*	2.2	6.7
36	MONTEREY	338,637	13.7	4.0*	2.2	6.8
37	SAN MATEO	610,486	25.3	4.1	2.7	6.1
38	MARIN	216,692	9.7	4.5*	2.1	8.3
39	NAPA	115,842	5.7	4.9*	1.7	10.9
40	SONOMA	412,118	21.3	5.2	3.2	7.9
41	SISKIYOU	38,426	2.0	5.2*	0.6	18.8
42	SOLANO	344,506	19.0	5.5*	3.3	8.6
43	TRINITY	11,923	0.7	5.6*	0.0	41.8
44	SAN JOAQUIN	551,313	31.0	5.6	3.8	8.0
45	ORANGE	2,536,793	148.7	5.9	4.9	6.8
46	SAN BERNARDINO	1,642,434	101.0	6.1	5.0	7.3
47	RIVERSIDE	1,789,973	112.7	6.3	5.1	7.5
48	MARIPOSA	15,880	1.0	6.3*	0.2	35.1
49	IMPERIAL	140,958	9.3	6.6*	3.1	12.4
50	CONTRA COSTA	879,963	58.7	6.7	5.1	8.6
51	SACRAMENTO	1,172,524	78.7	6.7	5.3	8.4
52	KERN	666,363	47.7	7.2	5.3	9.5
53	SANTA CLARA	1,489,687	115.3	7.7	6.3	9.2
54	FRESNO	740,575	63.0	8.5	6.5	10.9
	CALIFORNIA	31,037,119	2,668.3	8.6	8.3	8.9
55	SAN DIEGO	2,607,957	261.0	10.0	8.8	11.2
56	ALAMEDA	1,278,476	136.0	10.6	8.8	12.4
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: HIV-4			12.4		
57	LOS ANGELES	8,206,444	1,041.7	12.7	11.9	13.5
58	SAN FRANCISCO	731,077	256.3	35.1	30.8	39.4

* Rates are deemed unreliable based on fewer than 20 data elements.
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of 12/27/2013.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060.
Sacramento, California, January 2013.

REPORTED INCIDENCE OF CHLAMYDIA, 2010-2012



The crude case rate of reported chlamydia cases for California was 434.5 cases per 100,000 population or approximately one reported chlamydia case for every 230.2 persons. This rate was based on a 2010 through 2012 three-year average reported number of cases equaling 163,240.0 and population count of 37,570,307 as of July 1, 2011.

Among counties with reliable rates, the crude case rate ranged from 665.1 in Kern County to 142.1 in El Dorado County, a factor of 4.7 to 1.

Prevalence data are not available in all California counties to evaluate the Healthy People 2020 National Objective STD-1, as the Health People objective is restricted to females who are 15 to 24 years old and identified at a family planning clinic, and males and females under 24 years old who participate in a national job-training program.

The California crude case rate of reported chlamydia cases for the 2007-2009 period was 397.8.

**TABLE 21
REPORTED INCIDENCE OF CHLAMYDIA
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: STD-1 NOT APPLICABLE						
1	MODOC	9,565	5.3	55.8 *	18.9	126.9
2	SIERRA	3,146	2.3	74.2 *	11.3	246.3
3	ALPINE	1,118	1.0	89.4 *	2.3	498.4
4	MARIPOSA	17,977	18.0	100.1 *	59.3	158.2
5	TRINITY	13,546	14.3	105.8 *	58.3	176.5
6	EL DORADO	180,663	256.7	142.1	124.7	159.5
7	COLUSA	21,502	30.7	142.6	96.7	202.8
8	CALAVERAS	45,143	66.0	146.2	113.1	186.0
9	NEVADA	98,593	154.7	156.9	132.2	181.6
10	DEL NORTE	28,498	46.7	163.8	120.2	218.0
11	AMADOR	37,288	64.7	173.4	133.8	221.2
12	SISKIYOU	44,875	79.3	176.8	140.0	220.2
13	LASSEN	34,668	64.0	184.6	142.2	235.7
14	TUOLUMNE	55,041	104.7	190.2	153.7	226.6
15	MONO	14,305	27.3	191.1	126.3	277.4
16	PLACER	356,367	701.0	196.7	182.1	211.3
17	MARIN	254,359	542.7	213.3	195.4	231.3
18	NAPA	137,634	309.3	224.8	199.7	249.8
19	INYO	18,687	44.3	237.2	172.6	318.1
20	GLENN	28,255	68.3	241.8	187.9	306.4
21	SUTTER	94,764	232.7	245.5	214.0	277.1
22	PLUMAS	19,953	51.3	257.3	191.8	338.0
23	SAN MATEO	727,980	1,909.3	262.3	250.5	274.0
24	LAKE	64,419	173.7	269.6	229.5	309.7
25	ORANGE	3,047,120	8,240.0	270.4	264.6	276.3
26	HUMBOLDT	135,218	380.0	281.0	252.8	309.3
27	SONOMA	486,778	1,370.7	281.6	266.7	296.5
28	YUBA	72,620	209.0	287.8	248.8	326.8
29	TEHAMA	63,514	184.0	289.7	247.8	331.6
30	SAN LUIS OBISPO	270,119	785.7	290.9	270.5	311.2
31	SHASTA	178,089	527.7	296.3	271.0	321.6
32	SANTA CRUZ	265,569	790.3	297.6	276.9	318.3
33	VENTURA	830,215	2,475.3	298.2	286.4	309.9
34	YOLO	202,630	604.3	298.2	274.5	322.0
35	SANTA CLARA	1,806,881	5,579.7	308.8	300.7	316.9
36	MENDOCINO	88,071	293.0	332.7	294.6	370.8
37	SAN BENITO	55,950	202.7	362.2	312.4	412.1
38	KINGS	151,655	552.3	364.2	333.8	394.6
39	IMPERIAL	177,229	659.3	372.0	343.6	400.4
40	MONTEREY	419,998	1,573.3	374.6	356.1	393.1
41	RIVERSIDE	2,220,502	8,328.7	375.1	367.0	383.1
42	STANISLAUS	518,141	1,947.0	375.8	359.1	392.5
43	CONTRA COSTA	1,061,375	4,046.7	381.3	369.5	393.0
44	BUTTE	220,521	845.7	383.5	357.6	409.3
45	SANTA BARBARA	425,756	1,644.3	386.2	367.5	404.9
46	MERCED	259,289	1,049.3	404.7	380.2	429.2
47	TULARE	447,665	1,813.0	405.0	386.3	423.6
	CALIFORNIA	37,570,307	163,240.0	434.5	432.4	436.6
48	ALAMEDA	1,526,220	6,730.0	441.0	430.4	451.5
49	MADERA	152,008	683.0	449.3	415.6	483.0
50	SOLANO	414,337	1,872.7	452.0	431.5	472.4
51	SAN DIEGO	3,125,321	15,762.7	504.4	496.5	512.2
52	LOS ANGELES	9,860,836	49,907.7	506.1	501.7	510.6
53	SAN BERNARDINO	2,053,348	10,423.0	507.6	497.9	517.4
54	SAN JOAQUIN	692,862	3,688.7	532.4	515.2	549.6
55	SAN FRANCISCO	813,123	4,750.7	584.2	567.6	600.9
56	SACRAMENTO	1,430,884	8,625.0	602.8	590.1	615.5
57	FRESNO	939,278	6,081.0	647.4	631.1	663.7
58	KERN	848,839	5,645.3	665.1	647.7	682.4

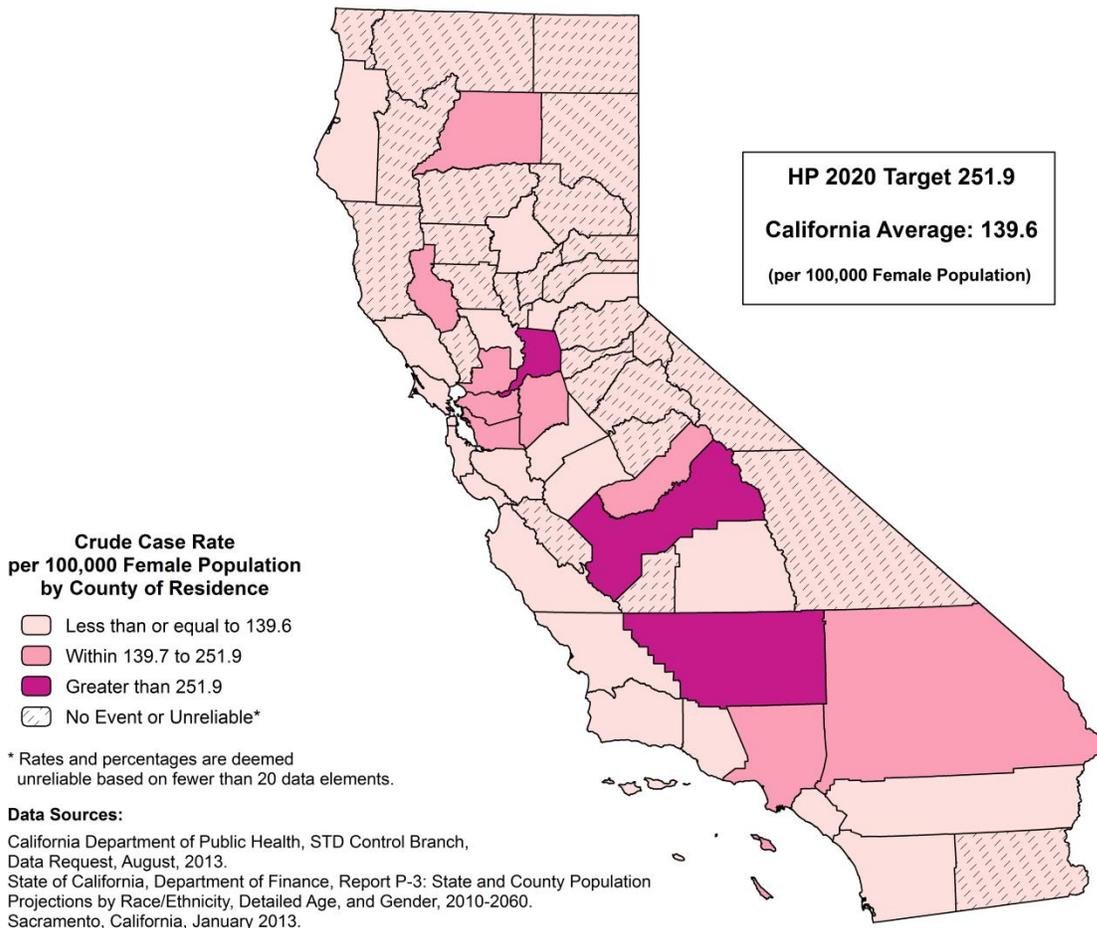
* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health, STD Control Branch (data reported through 08/19/2013).

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

REPORTED INCIDENCE OF GONORRHEA AMONG FEMALES 15 TO 44 YEARS OLD, 2010-2012



The crude case rate of reported gonorrhea cases among females, aged 15 to 44 years old, for California was 139.6 cases per 100,000 female population, aged 15 to 44 years old, or approximately one reported gonorrhea case for every 716.4 females in the corresponding age group. This rate was based on a 2010 through 2012 three-year average number of reported cases among females, aged 15 to 44, equaling 11,035.7 and a corresponding female population count of 7,905,972 as of July 1, 2011.

Among counties with reliable rates, the crude case rate ranged from 330.5 in Sacramento County to 40.9 in San Luis Obispo County, a factor of 8.1 to 1.

Twenty-nine counties with reliable crude case rates and California as a whole met the Healthy People 2020 National Objective STD-6.1 of no more than 251.9 new gonorrhea cases per 100,000 female population, aged 15 to 44 years old. An additional twenty-one counties with unreliable rates and five counties with no new gonorrhea cases met the objective.

The California crude case rate of reported gonorrhea cases among females, aged 15 to 44 years old, for the 2007-2009 period was 144.6.

**TABLE 22F
REPORTED INCIDENCE OF GONORRHEA AMONG FEMALES 15 TO 44 YEARS OLD
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2010-2012**

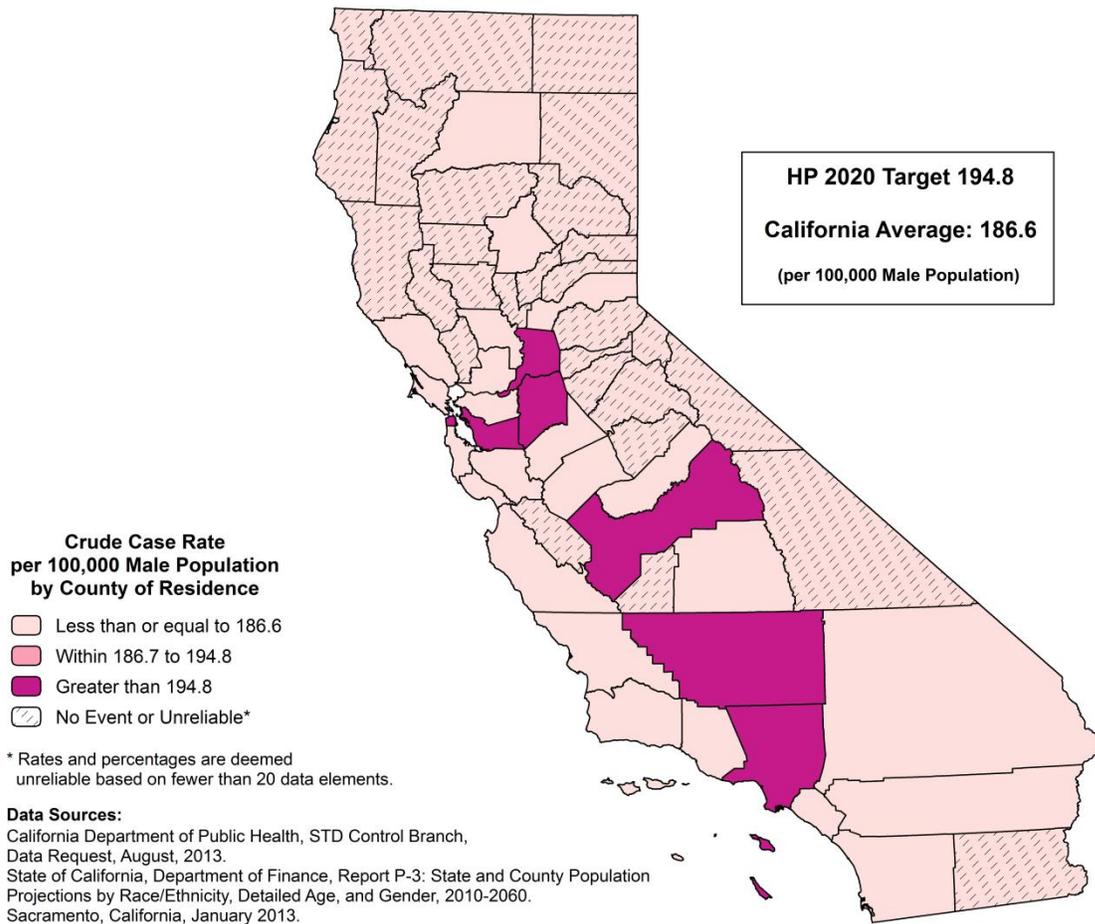
RANK ORDER	COUNTY OF RESIDENCE	2011 FEMALE POPULATION 15 TO 44 YRS OLD	2010-2012 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	COLUSA	4,096	0.0	-	-	-
2	PLUMAS	2,795	0.0	-	-	-
3	TRINITY	1,833	0.0	-	-	-
4	MODOC	1,405	0.0	-	-	-
5	ALPINE	146	0.0	-	-	-
6	LASSEN	4,412	0.3	7.6 *	0.0	98.8
7	INYO	2,923	0.3	11.4 *	0.0	149.1
8	MONO	2,789	0.3	12.0 *	0.0	156.3
9	MARIPOSA	2,522	0.3	13.2 *	0.0	172.8
10	DEL NORTE	4,224	0.7	15.8 *	0.1	117.9
11	EL DORADO	29,514	8.0	27.1 *	11.7	53.4
12	IMPERIAL	35,061	13.7	39.0 *	21.1	65.8
13	NEVADA	14,737	6.0	40.7 *	14.9	88.6
14	SAN LUIS OBISPO	50,524	20.7	40.9	25.2	62.7
15	SAN MATEO	143,262	62.0	43.3	33.2	55.5
16	SISKIYOU	6,560	3.0	45.7 *	9.4	133.6
17	NAPA	25,492	12.0	47.1 *	24.3	82.2
18	CALAVERAS	6,188	3.0	48.5 *	10.0	141.7
19	SONOMA	91,145	46.0	50.5	36.9	67.3
20	AMADOR	4,570	2.3	51.1 *	7.7	169.6
21	YOLO	50,355	26.0	51.6	33.7	75.7
22	ORANGE	642,422	347.7	54.1	48.4	59.8
23	KINGS	28,157	15.7	55.6 *	31.6	90.8
24	TULARE	92,934	52.7	56.7	42.4	74.2
25	SANTA CRUZ	55,890	32.0	57.3	39.2	80.8
26	PLACER	66,179	38.3	57.9	41.1	79.4
27	SANTA BARBARA	90,660	52.7	58.1	43.5	76.1
28	MARIN	41,252	24.7	59.8	38.6	88.5
29	TEHAMA	11,045	7.0	63.4 *	25.5	130.6
30	MONTEREY	85,451	55.7	65.1	49.2	84.7
31	SANTA CLARA	378,109	263.0	69.6	61.2	78.0
32	VENTURA	165,078	116.7	70.7	57.8	83.5
33	MERCED	55,180	39.0	70.7	50.3	96.6
34	BUTTE	43,922	32.7	74.4	51.1	104.6
35	GLENN	5,242	4.0	76.3 *	20.8	195.4
36	SUTTER	18,651	14.3	76.9 *	42.4	128.2
37	MENDOCINO	14,919	11.7	78.2 *	40.0	137.6
38	SIERRA	388	0.3	85.8 *	0.0	1121.9
39	STANISLAUS	107,985	94.3	87.4	70.6	106.9
40	HUMBOLDT	26,923	23.7	87.9	56.1	131.2
41	SAN BENITO	11,485	10.3	90.0 *	43.8	163.9
42	SAN DIEGO	668,318	627.0	93.8	86.5	101.2
43	RIVERSIDE	460,715	432.7	93.9	85.1	102.8
44	YUBA	14,874	14.0	94.1 *	51.5	157.9
45	TUOLUMNE	7,507	7.3	97.7 *	40.3	198.1
46	SAN FRANCISCO	193,957	218.3	112.6	97.6	127.5
	CALIFORNIA	7,905,972	11,035.7	139.6	137.0	142.2
47	SHASTA	31,163	45.3	145.5	106.2	194.4
48	LOS ANGELES	2,177,768	3,545.7	162.8	157.5	168.2
49	SAN BERNARDINO	445,096	761.7	171.1	159.0	183.3
50	MADERA	33,024	58.0	175.6	133.4	227.0
51	ALAMEDA	333,055	706.0	212.0	196.3	227.6
52	LAKE	10,178	23.7	232.5	148.5	346.9
53	CONTRA COSTA	207,726	483.3	232.7	211.9	253.4
54	SOLANO	81,029	192.0	237.0	203.4	270.5
55	SAN JOAQUIN	142,823	355.0	248.6	222.7	274.4
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: STD-6.1			251.9		
56	KERN	171,920	493.0	286.8	261.4	312.1
57	FRESNO	198,597	634.3	319.4	294.6	344.3
58	SACRAMENTO	301,800	997.3	330.5	310.0	351.0

* Rates are deemed unreliable based on fewer than 20 data elements.
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, STD Control Branch, Data Request, August, 2013.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060.
Sacramento, California, January 2013.

REPORTED INCIDENCE OF GONORRHEA AMONG MALES 15 TO 44 YEARS OLD, 2010-2012



The crude case rate of reported gonorrhea cases among males, aged 15 to 44 years old, for California was 186.6 cases per 100,000 male population, aged 15 to 44 years old, or approximately one reported gonorrhea case for every 535.9 in the corresponding male population. This rate was based on a 2010 through 2012 three-year average number of reported cases equaling 15,390.3 and a corresponding male population count of 8,247,271 as of July 1, 2011.

Among counties with reliable rates, the crude case rate ranged from 784.9 in San Francisco County to 46.7 in San Luis Obispo County, a factor of 16.8 to 1.

Twenty-three counties with reliable crude case rates and California as a whole met the Healthy People 2020 National Objective STD-6.2 of no more than 194.8 new gonorrhea cases per 100,000 male population, aged 15 to 44 years old. An additional twenty-six counties with unreliable rates and two counties with no new gonorrhea cases met the objective.

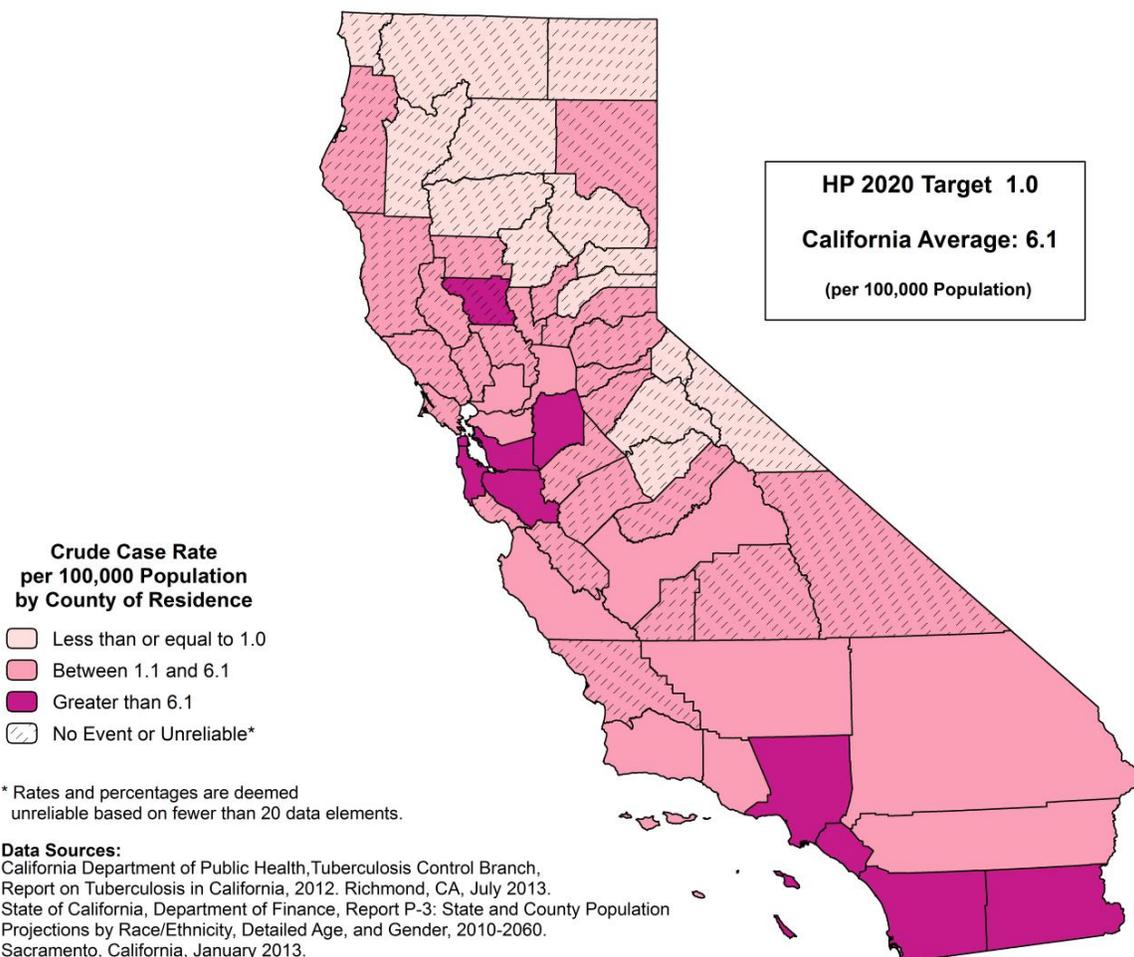
The California average crude case rate of reported gonorrhea cases among males, aged 15 to 44 years old, for the 2007-2009 period was 160.2.

**TABLE 22M
REPORTED INCIDENCE OF GONORRHEA AMONG MALES 15 TO 44 YEARS OLD
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 MALE POPULATION 15 TO 44 YRS OLD	2010-2012 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	DEL NORTE	7,118	0.0	-	-	-
2	ALPINE	158	0.0	-	-	-
3	MONO	3,350	0.3	10.0*	0.0	130.1
4	COLUSA	4,447	0.7	15.0*	0.1	112.0
5	AMADOR	7,099	1.3	18.8*	1.0	86.5
6	LASSEN	12,185	2.3	19.1*	2.9	63.6
7	CALAVERAS	6,553	1.3	20.3*	1.1	93.7
8	MODOC	1,540	0.3	21.6*	0.0	283.0
9	EL DORADO	31,092	7.3	23.6*	9.7	47.8
10	NEVADA	15,841	4.0	25.3*	6.9	64.7
11	INYO	3,162	1.0	31.6*	0.8	176.2
12	TRINITY	2,093	0.7	31.9*	0.2	238.0
13	MENDOCINO	16,548	6.0	36.3*	13.3	78.9
14	YUBA	15,316	5.7	37.0*	13.1	82.3
15	NAPA	27,355	10.3	37.8*	18.4	68.8
16	MARIPOSA	2,633	1.0	38.0*	1.0	211.6
17	KINGS	42,738	17.0	39.8*	23.2	63.7
18	IMPERIAL	41,242	16.7	40.4*	23.4	65.0
19	TUOLUMNE	10,440	4.3	41.5*	12.1	102.7
20	GLENN	5,561	2.3	42.0*	6.4	139.3
21	PLUMAS	2,936	1.3	45.4*	2.5	209.1
22	SAN LUIS OBISPO	59,919	28.0	46.7	31.1	67.5
23	SUTTER	19,462	9.7	49.7*	23.5	92.3
24	BUTTE	46,934	24.7	52.6	33.9	77.8
25	SANTA BARBARA	99,021	54.0	54.5	41.0	71.2
26	PLACER	65,897	37.7	57.2	40.4	78.6
27	TULARE	97,510	56.0	57.4	43.4	74.6
28	SANTA CRUZ	58,428	36.3	62.2	43.6	86.0
29	MONTEREY	97,953	62.0	63.3	48.5	81.1
30	MERCED	58,471	37.3	63.8	45.0	87.9
31	SONOMA	96,493	61.7	63.9	49.0	82.0
32	SISKIYOU	7,143	4.7	65.3*	20.2	156.8
33	HUMBOLDT	29,633	19.7	66.4*	40.3	102.9
34	VENTURA	173,362	116.0	66.9	54.7	79.1
35	YOLO	48,881	33.0	67.5	46.5	94.8
36	TEHAMA	11,584	8.0	69.1*	29.8	136.1
37	SAN BENITO	11,399	8.0	70.2*	30.3	138.3
38	SIERRA	433	0.3	77.1*	0.0	1007.5
39	MADERA	30,584	24.0	78.5	50.3	116.8
40	STANISLAUS	110,265	88.0	79.8	64.0	98.3
41	MARIN	43,996	37.7	85.6	60.5	117.7
42	RIVERSIDE	471,217	409.3	86.9	78.5	95.3
43	SAN MATEO	148,207	137.3	92.7	77.2	108.2
44	ORANGE	658,082	637.3	96.8	89.3	104.4
45	SANTA CLARA	399,575	393.3	98.4	88.7	108.2
46	SHASTA	31,849	34.3	107.8	74.8	150.4
47	SAN BERNARDINO	454,387	636.7	140.1	129.2	151.0
48	LAKE	10,885	15.3	140.9*	79.4	231.1
49	CONTRA COSTA	206,487	310.0	150.1	133.4	166.8
50	SOLANO	86,050	131.7	153.0	126.9	179.1
51	SAN DIEGO	725,700	1,322.7	182.3	172.4	192.1
	CALIFORNIA	8,247,271	15,390.3	186.6	183.7	189.6
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: STD-6.2			194.8		
52	SAN JOAQUIN	148,047	292.3	197.5	174.8	220.1
53	FRESNO	207,653	460.0	221.5	201.3	241.8
54	ALAMEDA	332,119	800.3	241.0	224.3	257.7
55	KERN	198,103	484.3	244.5	222.7	266.3
56	SACRAMENTO	304,979	809.7	265.5	247.2	283.8
57	LOS ANGELES	2,232,213	6,076.3	272.2	265.4	279.1
58	SAN FRANCISCO	204,944	1,608.7	784.9	746.6	823.3

* Rates are deemed unreliable based on fewer than 20 data elements.
- Rates, percentages, and confidence limits are not calculated for zero events.
Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, STD Control Branch, Data Request, August, 2013.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060.
Sacramento, California, January 2013.

REPORTED INCIDENCE OF TUBERCULOSIS, 2010-2012



The crude case rate of reported tuberculosis cases for California was 6.1 cases per 100,000 population or approximately one reported tuberculosis case for every 16,480.4 persons. This rate was based on a 2010 through 2012 three-year average reported number of cases equaling 2,279.7 and a population count of 37,570,307 as of July 1, 2011.

Among counties with reliable rates, the crude case rate ranged from 15.2 in Imperial County to 2.8 in San Bernardino County, a factor of 5.5 to 1.

No county with a reliable crude case rate met the Healthy People 2020 National Objective IID-29 of no more than 1.0 new tuberculosis case per 100,000 population. Four counties with unreliable rates and ten counties with no new tuberculosis cases met the objective. The statewide tuberculosis crude case rate did not meet the national objective.

The California crude case rate of reported tuberculosis cases for the 2007-2009 period was 7.1.

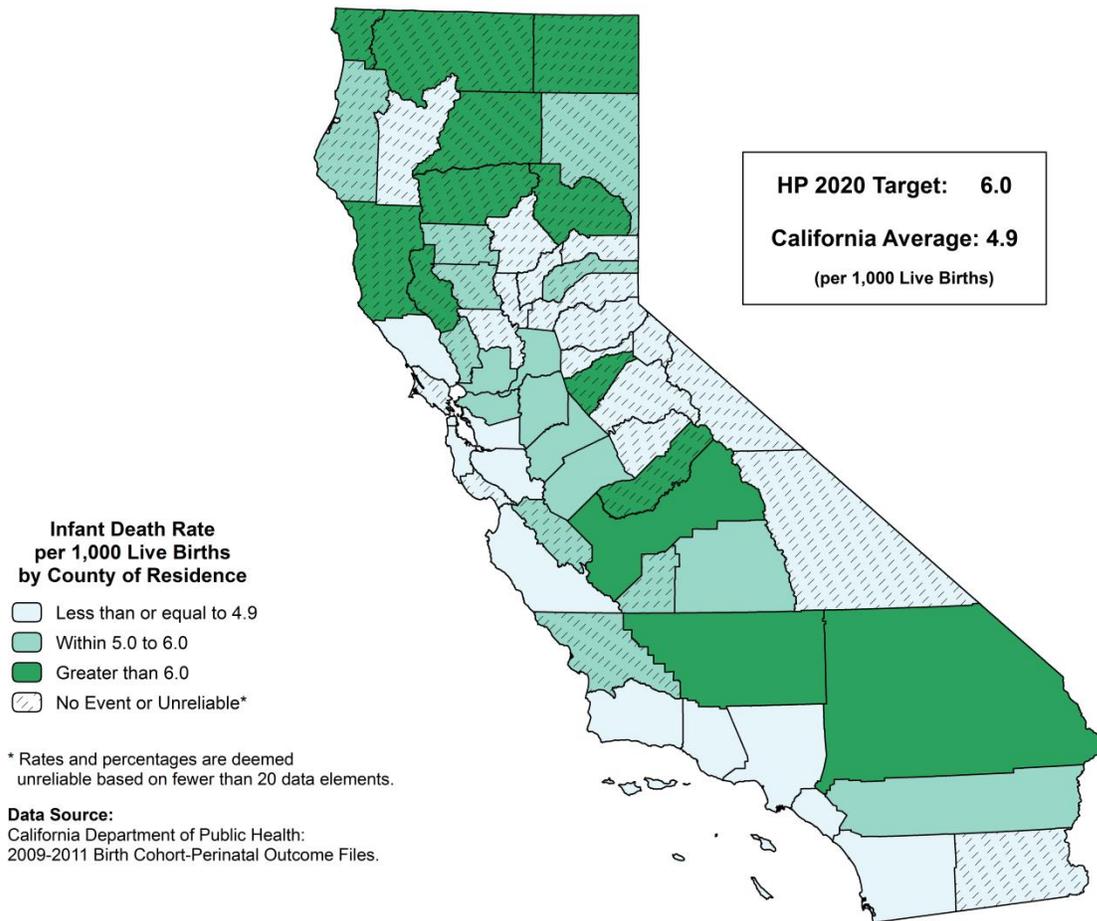
**TABLE 23
REPORTED INCIDENCE OF TUBERCULOSIS
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 POPULATION	2010-2012 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	TUOLUMNE	55,041	0.0	-	-	-
2	SISKIYOU	44,875	0.0	-	-	-
3	DEL NORTE	28,498	0.0	-	-	-
4	PLUMAS	19,953	0.0	-	-	-
5	MARIPOSA	17,977	0.0	-	-	-
6	MONO	14,305	0.0	-	-	-
7	TRINITY	13,546	0.0	-	-	-
8	MODOC	9,565	0.0	-	-	-
9	SIERRA	3,146	0.0	-	-	-
10	ALPINE	1,118	0.0	-	-	-
11	TEHAMA	63,514	0.3	0.5 *	0.0	6.9
12	SHASTA	178,089	1.0	0.6 *	0.0	3.1
13	NEVADA	98,593	0.7	0.7 *	0.0	5.1
14	BUTTE	220,521	2.0	0.9 *	0.1	3.3
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: IID-29				1.0		
15	EL DORADO	180,663	2.0	1.1 *	0.1	4.0
16	PLACER	356,367	5.0	1.4 *	0.5	3.3
17	CALAVERAS	45,143	0.7	1.5 *	0.0	11.0
18	MENDOCINO	88,071	1.3	1.5 *	0.1	7.0
19	SAN LUIS OBISPO	270,119	4.3	1.6 *	0.5	4.0
20	HUMBOLDT	135,218	2.3	1.7 *	0.3	5.7
21	INYO	18,687	0.3	1.8 *	0.0	23.3
22	AMADOR	37,288	0.7	1.8 *	0.0	13.4
23	YUBA	72,620	1.3	1.8 *	0.1	8.5
24	LASSEN	34,668	0.7	1.9 *	0.0	14.4
25	STANISLAUS	518,141	10.7	2.1 *	1.0	3.7
26	YOLO	202,630	4.7	2.3 *	0.7	5.5
27	SAN BENITO	55,950	1.3	2.4 *	0.1	11.0
28	SONOMA	486,778	12.0	2.5 *	1.3	4.3
29	LAKE	64,419	1.7	2.6 *	0.2	10.4
30	SAN BERNARDINO	2,053,348	57.0	2.8	2.1	3.6
31	RIVERSIDE	2,220,502	66.0	3.0	2.3	3.8
32	KINGS	151,655	5.0	3.3 *	1.1	7.7
33	SANTA CRUZ	265,569	9.0	3.4 *	1.5	6.4
34	NAPA	137,634	5.0	3.6 *	1.2	8.5
35	MERCED	259,289	10.3	4.0 *	1.9	7.3
36	VENTURA	830,215	34.3	4.1	2.9	5.8
37	TULARE	447,665	19.3	4.3 *	2.6	6.7
38	KERN	848,839	36.7	4.3	3.0	6.0
39	CONTRA COSTA	1,061,375	49.3	4.6	3.4	6.1
40	GLENN	28,255	1.3	4.7 *	0.3	21.7
41	SACRAMENTO	1,430,884	67.7	4.7	3.7	6.0
42	FRESNO	939,278	45.0	4.8	3.5	6.4
43	SUTTER	94,764	4.7	4.9 *	1.5	11.8
44	MARIN	254,359	12.7	5.0 *	2.6	8.6
45	MONTEREY	419,998	21.3	5.1	3.2	7.7
46	MADERA	152,008	8.3	5.5 *	2.4	10.7
47	SOLANO	414,337	23.7	5.7	3.6	8.5
48	SANTA BARBARA	425,756	25.0	5.9	3.8	8.7
	CALIFORNIA	37,570,307	2,279.7	6.1	5.8	6.3
49	SAN JOAQUIN	692,862	44.7	6.4	4.7	8.6
50	ORANGE	3,047,120	208.3	6.8	5.9	7.8
51	LOS ANGELES	9,860,836	702.0	7.1	6.6	7.6
52	SAN DIEGO	3,125,321	239.7	7.7	6.7	8.6
53	COLUSA	21,502	1.7	7.8 *	0.7	31.1
54	SAN MATEO	727,980	57.3	7.9	6.0	10.2
55	ALAMEDA	1,526,220	154.0	10.1	8.5	11.7
56	SANTA CLARA	1,806,881	183.0	10.1	8.7	11.6
57	SAN FRANCISCO	813,123	107.3	13.2	10.7	15.7
58	IMPERIAL	177,229	27.0	15.2	10.0	22.2

* Rates are deemed unreliable based on fewer than 20 data elements.
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, Tuberculosis Control Branch, Report on Tuberculosis in California, 2012. Richmond, CA, July 2013.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060.
Sacramento, California, January 2013.

INFANT MORTALITY, ALL RACE/ETHNIC GROUPS, 2009-2011



The California birth cohort infant death rate for all race/ethnic groups was 4.9 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 205.3 births in the infant group. This rate was based on 2009 through 2011 three-year average numbers for all race/ethnic groups infant deaths equaling 2,499.3 and live births equaling 513,070.

Among counties with reliable rates, the birth cohort infant death rate for all race/ethnic groups ranged from 7.0 in Fresno County to 2.9 in San Mateo County, a factor of 2.4 to 1.

Nineteen counties with reliable infant death rates and California as a whole met the Healthy People 2020 National Objective MICH-1.3 of no more than 6.0 infant deaths per 1,000 birth cohort live births. An additional twenty-three counties with unreliable rates and three counties with no infant deaths met the objective.

The California birth cohort infant death rate for all race/ethnic groups for the 2006-2008 period was 5.3.

**TABLE 24A
 INFANT MORTALITY, ALL RACE/ETHNIC GROUPS
 RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
 CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	MARIPOSA	144.0	0.0	-	-	-
2	SIERRA	22.3	0.0	-	-	-
3	ALPINE	4.7	0.0	-	-	-
4	TUOLUMNE	447.3	1.0	2.2 *	0.1	12.5
5	AMADOR	279.0	0.7	2.4 *	0.0	17.9
6	SAN MATEO	9,232.0	26.3	2.9	1.9	4.2
7	TRINITY	116.0	0.3	2.9 *	0.0	37.6
8	SANTA CRUZ	3,241.0	9.7	3.0 *	1.4	5.5
9	MARIN	2,417.7	7.3	3.0 *	1.3	6.2
10	YOLO	2,417.3	7.3	3.0 *	1.3	6.2
11	SAN FRANCISCO	8,807.3	27.3	3.1	2.1	4.5
12	INYO	214.7	0.7	3.1 *	0.0	23.2
13	SANTA CLARA	24,265.0	80.7	3.3	2.6	4.1
14	EL DORADO	1,656.3	5.7	3.4 *	1.2	7.6
15	YUBA	1,250.3	5.0	4.0 *	1.3	9.3
16	ORANGE	38,928.7	156.3	4.0	3.4	4.6
17	PLACER	3,821.0	16.3	4.3 *	2.5	6.9
18	SAN DIEGO	44,487.3	195.3	4.4	3.8	5.0
19	VENTURA	11,053.3	49.3	4.5	3.3	5.9
20	MONO	148.7	0.7	4.5 *	0.0	33.5
21	ALAMEDA	19,545.7	87.7	4.5	3.6	5.5
22	IMPERIAL	3,098.0	14.0	4.5 *	2.5	7.6
23	SANTA BARBARA	5,888.7	26.7	4.5	3.0	6.6
24	MONTEREY	6,883.0	31.7	4.6	3.1	6.5
25	SUTTER	1,373.0	6.3	4.6 *	1.7	9.8
26	SONOMA	5,410.3	25.7	4.7	3.1	7.0
27	LOS ANGELES	134,447.7	656.3	4.9	4.5	5.3
28	BUTTE	2,428.7	12.0	4.9 *	2.6	8.6
	CALIFORNIA	513,070.0	2,499.3	4.9	4.7	5.1
29	CONTRA COSTA	12,365.0	61.7	5.0	3.8	6.4
30	TULARE	8,162.7	41.0	5.0	3.6	6.8
31	RIVERSIDE	30,966.3	156.3	5.0	4.3	5.8
32	NAPA	1,583.3	8.0	5.1 *	2.2	10.0
33	MERCED	4,312.3	22.7	5.3	3.3	7.9
34	SAN LUIS OBISPO	2,661.0	14.0	5.3 *	2.9	8.8
35	LASSEN	315.7	1.7	5.3 *	0.5	21.2
36	STANISLAUS	7,828.7	41.7	5.3	3.8	7.2
37	SACRAMENTO	20,164.3	109.7	5.4	4.4	6.5
38	SOLANO	5,199.3	28.7	5.5	3.7	7.9
39	GLENN	416.7	2.3	5.6 *	0.8	18.6
40	NEVADA	771.3	4.3	5.6 *	1.6	13.9
41	HUMBOLDT	1,517.3	8.7	5.7 *	2.6	11.0
42	SAN BENITO	753.0	4.3	5.8 *	1.7	14.2
43	KINGS	2,572.0	15.3	6.0 *	3.4	9.8
44	COLUSA	333.7	2.0	6.0 *	0.7	21.7
45	SAN JOAQUIN	10,597.7	64.0	6.0	4.7	7.7
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-1.3			6.0		
46	MADERA	2,409.0	14.7	6.1 *	3.4	10.1
47	KERN	14,512.3	89.3	6.2	4.9	7.6
48	SHASTA	2,076.3	13.0	6.3 *	3.3	10.7
49	SAN BERNARDINO	31,312.3	203.0	6.5	5.6	7.4
50	MENDOCINO	1,075.7	7.3	6.8 *	2.8	13.8
51	CALAVERAS	336.7	2.3	6.9 *	1.1	23.0
52	FRESNO	16,238.0	113.0	7.0	5.7	8.2
53	SISKIYOU	461.0	3.3	7.2 *	1.7	20.1
54	LAKE	722.0	5.3	7.4 *	2.5	16.8
55	DEL NORTE	347.3	2.7	7.7 *	1.4	23.8
56	PLUMAS	163.0	1.3	8.2 *	0.5	37.7
57	TEHAMA	770.0	6.3	8.2 *	3.1	17.6
58	MODOC	97.0	1.0	10.3 *	0.3	57.4

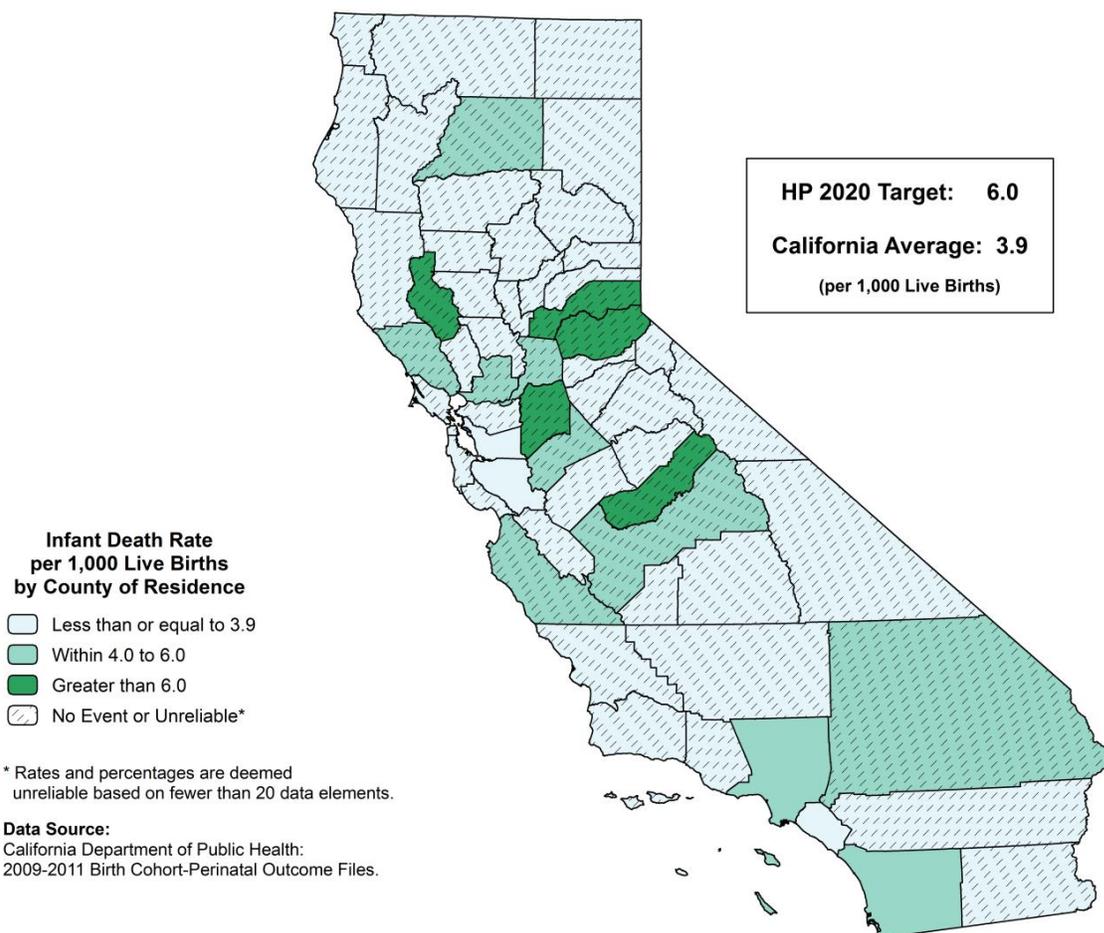
- Rates, percentages, and confidence limits are not calculated for zero events.

* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by increasing birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.

Source: California Department of Public Health: 2009-2011 Birth Cohort-Perinatal Outcome Files.

ASIAN/PACIFIC ISLANDER INFANT MORTALITY, 2009-2011



The California birth cohort infant death rate for Asian/Pacific Islanders was 3.9 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 259.4 births in the infant group. This rate was based on 2009 through 2011 three-year average numbers for Asian/Pacific Islanders' infant deaths equaling 247.0 and live births equaling 64,075.3.

Among counties with reliable rates, the birth cohort infant death rate for Asian/Pacific Islanders ranged from 4.3 in San Diego County to 2.5 in Santa Clara County, a factor of 1.7 to 1.

Five counties with reliable infant death rates for Asian/Pacific Islanders and California as a whole met the Healthy People 2020 National Objective MICH-1.3 of no more than 6.0 infant deaths per 1,000 birth cohort live births. An additional twenty-two counties with unreliable rates and twenty-six counties with no infant deaths met the objective.

The California birth cohort infant death rate for Asian/Pacific Islanders for the 2006-2008 period was 4.5.

**TABLE 24B
ASIAN/PACIFIC ISLANDER INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

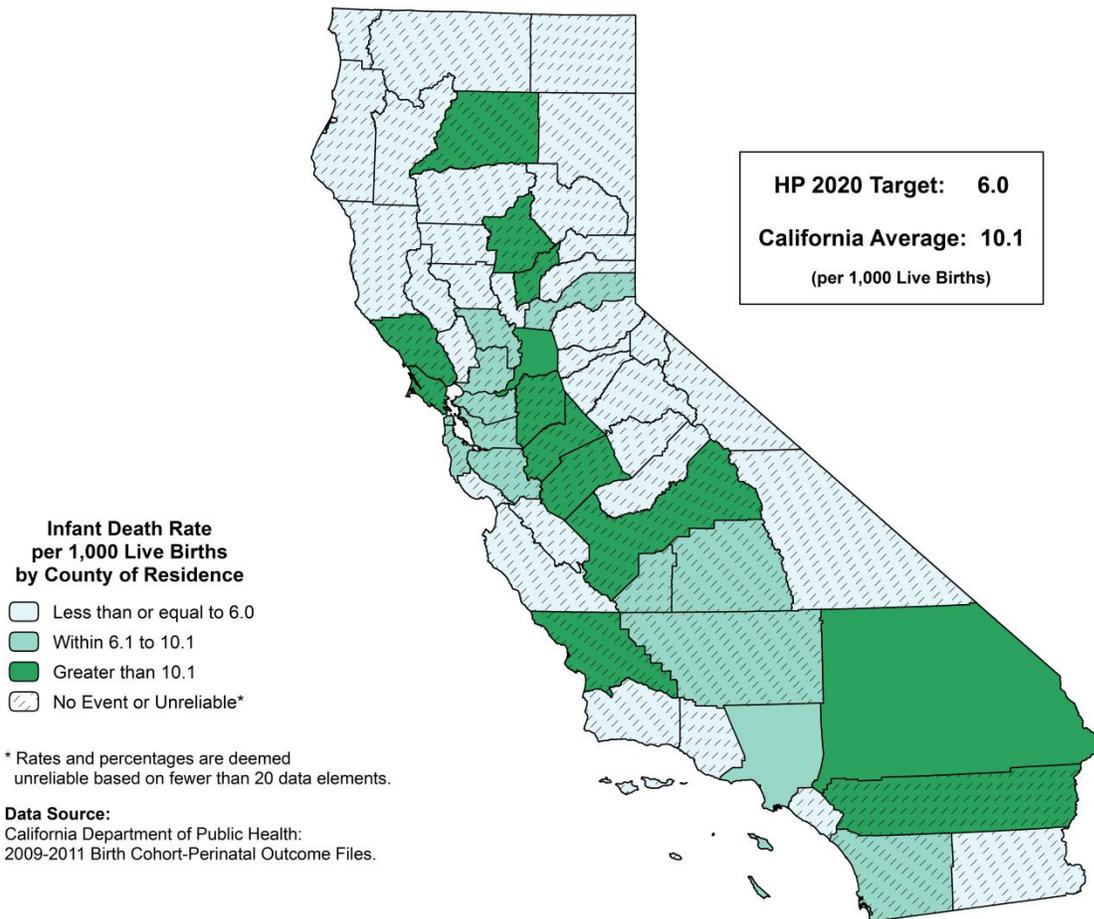
RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	YUBA	114.3	0.0	-	-	-
2	SANTA CRUZ	91.3	0.0	-	-	-
3	KINGS	90.0	0.0	-	-	-
4	SAN LUIS OBISPO	77.7	0.0	-	-	-
5	HUMBOLDT	50.0	0.0	-	-	-
6	IMPERIAL	25.0	0.0	-	-	-
7	DEL NORTE	19.3	0.0	-	-	-
8	MENDOCINO	14.7	0.0	-	-	-
9	NEVADA	14.3	0.0	-	-	-
10	SAN BENITO	14.0	0.0	-	-	-
11	LASSEN	9.3	0.0	-	-	-
12	GLENN	9.0	0.0	-	-	-
13	SISKIYOU	8.3	0.0	-	-	-
14	TEHAMA	7.3	0.0	-	-	-
15	TUOLUMNE	7.0	0.0	-	-	-
16	COLUSA	4.7	0.0	-	-	-
17	AMADOR	3.3	0.0	-	-	-
18	CALAVERAS	3.3	0.0	-	-	-
19	MONO	3.3	0.0	-	-	-
20	INYO	3.0	0.0	-	-	-
21	MODOC	2.0	0.0	-	-	-
22	MARIPOSA	1.3	0.0	-	-	-
23	TRINITY	1.3	0.0	-	-	-
24	PLUMAS	0.7	0.0	-	-	-
25	SIERRA	0.3	0.0	-	-	-
26	ALPINE	0.0	0.0	-	-	-
27	SUTTER	203.3	0.3	1.6 *	0.0	21.4
28	BUTTE	174.7	0.3	1.9 *	0.0	25.0
29	MERCED	344.7	0.7	1.9 *	0.0	14.5
30	SAN FRANCISCO	2,640.3	6.3	2.4 *	0.9	5.1
31	SANTA CLARA	8,286.0	21.0	2.5	1.6	3.9
32	SAN MATEO	2,551.3	6.7	2.6 *	1.0	5.5
33	KERN	496.3	1.3	2.7 *	0.1	12.4
34	NAPA	112.7	0.3	3.0 *	0.0	38.7
35	SANTA BARBARA	208.7	0.7	3.2 *	0.0	23.9
36	RIVERSIDE	1,663.7	5.3	3.2 *	1.1	7.3
37	ORANGE	6,674.7	23.3	3.5	2.2	5.2
38	YOLO	281.7	1.0	3.6 *	0.1	19.8
39	MARIN	187.0	0.7	3.6 *	0.0	26.6
40	VENTURA	737.0	2.7	3.6 *	0.7	11.2
41	TULARE	257.0	1.0	3.9 *	0.1	21.7
42	ALAMEDA	5,482.3	21.3	3.9	2.4	5.9
43	CONTRA COSTA	1,944.7	7.7	3.9 *	1.7	7.9
	CALIFORNIA	64,075.3	247.0	3.9	3.4	4.3
44	LOS ANGELES	15,958.7	64.3	4.0	3.1	5.1
45	SAN DIEGO	4,624.3	20.0	4.3	2.6	6.7
46	SHASTA	71.7	0.3	4.7 *	0.0	60.8
47	SAN BERNARDINO	1,762.0	8.7	4.9 *	2.2	9.4
48	FRESNO	1,715.0	9.3	5.4 *	2.5	10.2
49	SONOMA	240.3	1.3	5.5 *	0.3	25.5
50	SACRAMENTO	3,419.3	19.3	5.7 *	3.4	8.8
51	SOLANO	738.3	4.3	5.9 *	1.7	14.5
52	STANISLAUS	449.0	2.7	5.9 *	1.1	18.4
53	MONTEREY	277.3	1.7	6.0 *	0.5	24.1
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-1.3			6.0		
54	SAN JOAQUIN	1,579.7	10.3	6.5 *	3.2	11.9
55	PLACER	300.0	2.3	7.8 *	1.2	25.8
56	EL DORADO	77.7	0.7	8.6 *	0.0	64.1
57	MADERA	34.0	0.3	9.8 *	0.0	128.2
58	LAKE	7.0	0.7	95.2 *	0.5	711.5

- Rates, percentages, and confidence limits are not calculated for zero events.

* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by increasing birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
Source: California Department of Public Health: 2009-2011 Birth Cohort-Perinatal Outcome Files.

BLACK INFANT MORTALITY, 2009-2011



The California birth cohort infant death rate for Blacks was 10.1 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 99.2 births in the infant group. This rate was based on 2009 through 2011 three-year average numbers of Black infant deaths equaling 280.3 and live births equaling 27,815.3.

Among counties with reliable rates, the birth cohort infant death rate for Blacks ranged from 12.1 in San Bernardino County to 10.1 in Los Angeles County, a factor of 1.2 to 1.

No county with a reliable infant death rate for Blacks met the Healthy People 2020 National Objective MICH-1.3 of no more than 6.0 infant deaths per 1,000 birth cohort live births. Two counties with unreliable infant death rates and thirty counties with no infant deaths met the objective. The statewide birth cohort Black infant death rate did not meet the national objective.

The California birth cohort infant death rate for Blacks for the 2006-2008 period was 12.3.

**TABLE 24C
BLACK INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

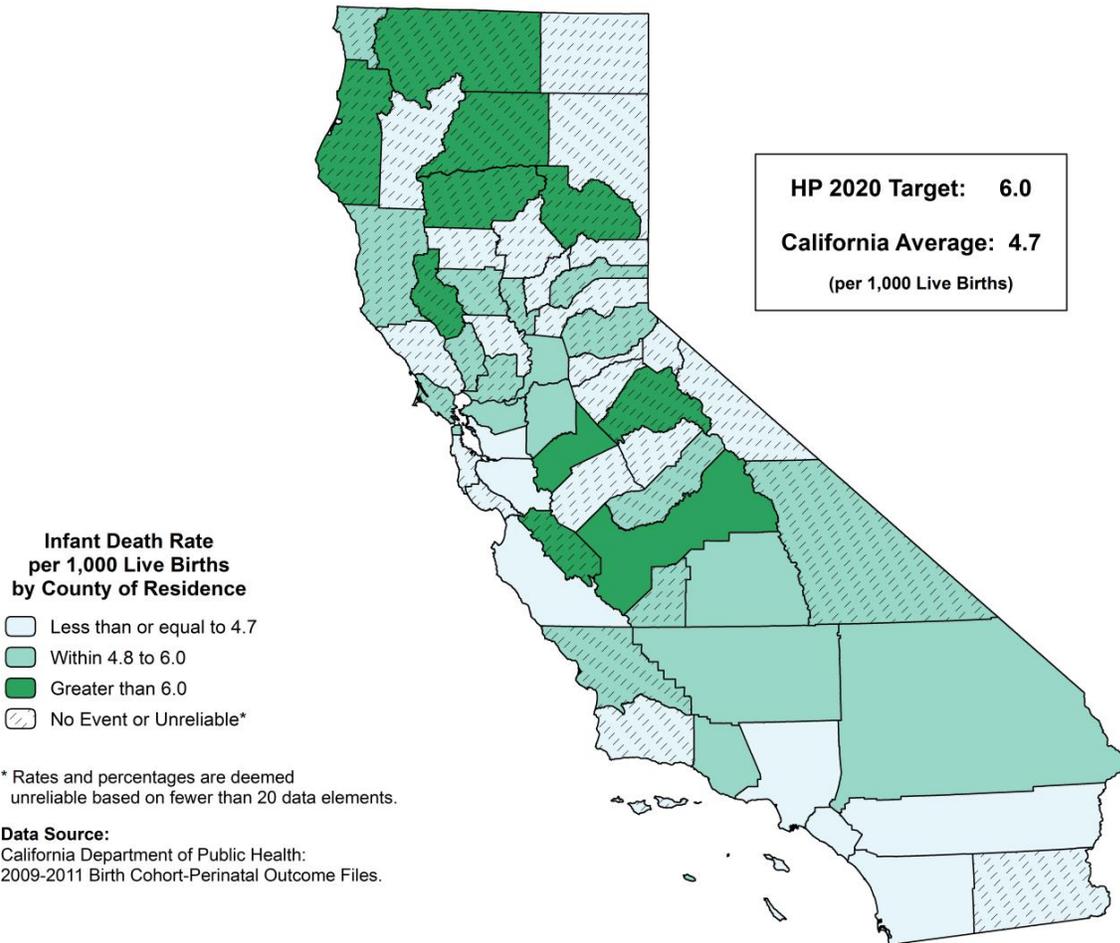
RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	MONTEREY	83.3	0.0	-	-	-
2	SANTA BARBARA	51.3	0.0	-	-	-
3	MADERA	33.7	0.0	-	-	-
4	IMPERIAL	23.7	0.0	-	-	-
5	SUTTER	23.3	0.0	-	-	-
6	SANTA CRUZ	15.7	0.0	-	-	-
7	NAPA	14.3	0.0	-	-	-
8	HUMBOLDT	11.0	0.0	-	-	-
9	EL DORADO	10.7	0.0	-	-	-
10	LAKE	9.3	0.0	-	-	-
11	MENDOCINO	5.0	0.0	-	-	-
12	SISKIYOU	3.7	0.0	-	-	-
13	TEHAMA	3.7	0.0	-	-	-
14	NEVADA	2.7	0.0	-	-	-
15	PLUMAS	2.0	0.0	-	-	-
16	SAN BENITO	1.7	0.0	-	-	-
17	COLUSA	1.3	0.0	-	-	-
18	GLENN	1.3	0.0	-	-	-
19	CALAVERAS	1.0	0.0	-	-	-
20	INYO	1.0	0.0	-	-	-
21	LASSEN	1.0	0.0	-	-	-
22	MARIPOSA	1.0	0.0	-	-	-
23	TUOLUMNE	1.0	0.0	-	-	-
24	AMADOR	0.3	0.0	-	-	-
25	DEL NORTE	0.3	0.0	-	-	-
26	MONO	0.3	0.0	-	-	-
27	ALPINE	0.0	0.0	-	-	-
28	MODOC	0.0	0.0	-	-	-
29	SIERRA	0.0	0.0	-	-	-
30	TRINITY	0.0	0.0	-	-	-
31	VENTURA	115.3	0.3	2.9 *	0.0	37.8
32	ORANGE	437.0	2.3	5.3 *	0.8	17.7
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-1.3				6.0		
33	SANTA CLARA	495.3	3.0	6.1 *	1.2	17.7
34	SOLANO	679.3	4.7	6.9 *	2.1	16.5
35	YOLO	47.0	0.3	7.1 *	0.0	92.7
36	TULARE	90.7	0.7	7.4 *	0.0	54.9
37	ALAMEDA	2,241.3	17.3	7.7 *	4.5	12.3
38	SAN FRANCISCO	463.0	3.7	7.9 *	2.0	21.1
39	KERN	815.0	7.0	8.6 *	3.5	17.7
40	SAN DIEGO	1,954.0	17.0	8.7 *	5.1	13.9
41	CONTRA COSTA	1,104.7	9.7	8.8 *	4.1	16.3
42	SAN MATEO	138.7	1.3	9.6 *	0.5	44.3
43	PLACER	34.7	0.3	9.6 *	0.0	125.7
44	KINGS	103.3	1.0	9.7 *	0.2	53.9
45	LOS ANGELES	10,220.0	103.3	10.1	8.2	12.1
	CALIFORNIA	27,815.3	280.3	10.1	8.9	11.3
46	SACRAMENTO	2,170.0	22.3	10.3	6.5	15.5
47	RIVERSIDE	1,611.7	17.7	11.0 *	6.5	17.4
48	SAN BERNARDINO	2,707.3	32.7	12.1	8.3	17.0
49	SAN JOAQUIN	755.0	10.0	13.2 *	6.4	24.4
50	SONOMA	68.0	1.0	14.7 *	0.4	81.9
51	MERCED	113.0	1.7	14.7 *	1.3	59.2
52	MARIN	44.7	0.7	14.9 *	0.1	111.5
53	FRESNO	844.7	15.7	18.5 *	10.5	30.3
54	STANISLAUS	163.0	3.7	22.5 *	5.7	59.9
55	YUBA	28.7	0.7	23.3 *	0.1	173.7
56	SAN LUIS OBISPO	13.3	0.3	25.0 *	0.0	326.9
57	SHASTA	21.3	0.7	31.3 *	0.2	233.5
58	BUTTE	31.7	1.3	42.1 *	2.3	193.9

- Rates, percentages, and confidence limits are not calculated for zero events.

* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by increasing birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
Source: California Department of Public Health: 2009-2011 Birth Cohort-Perinatal Outcome Files.

HISPANIC INFANT MORTALITY, 2009-2011



The California birth cohort infant death rate for Hispanics was 4.7 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 211.9 births in the infant group. This rate was based on 2009 through 2011 three-year average numbers of Hispanic infant deaths equaling 1,222.3 and live births equaling 259,013.3.

Among counties with reliable rates, the birth cohort infant death rate for Hispanics ranged from 6.3 in Fresno County to 3.5 in Santa Clara County, a factor of 1.8 to 1.

Fourteen counties with reliable infant death rates for Hispanics and California as a whole met the Healthy People 2020 National Objective MICH-1.3 of no more than 6.0 infant deaths per 1,000 birth cohort live births. An additional twenty-five counties with unreliable rates and nine counties with no infant deaths met the objective.

The California birth cohort infant death rate for Hispanics for the 2006-2008 period was 5.2.

**TABLE 24D
HISPANIC INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

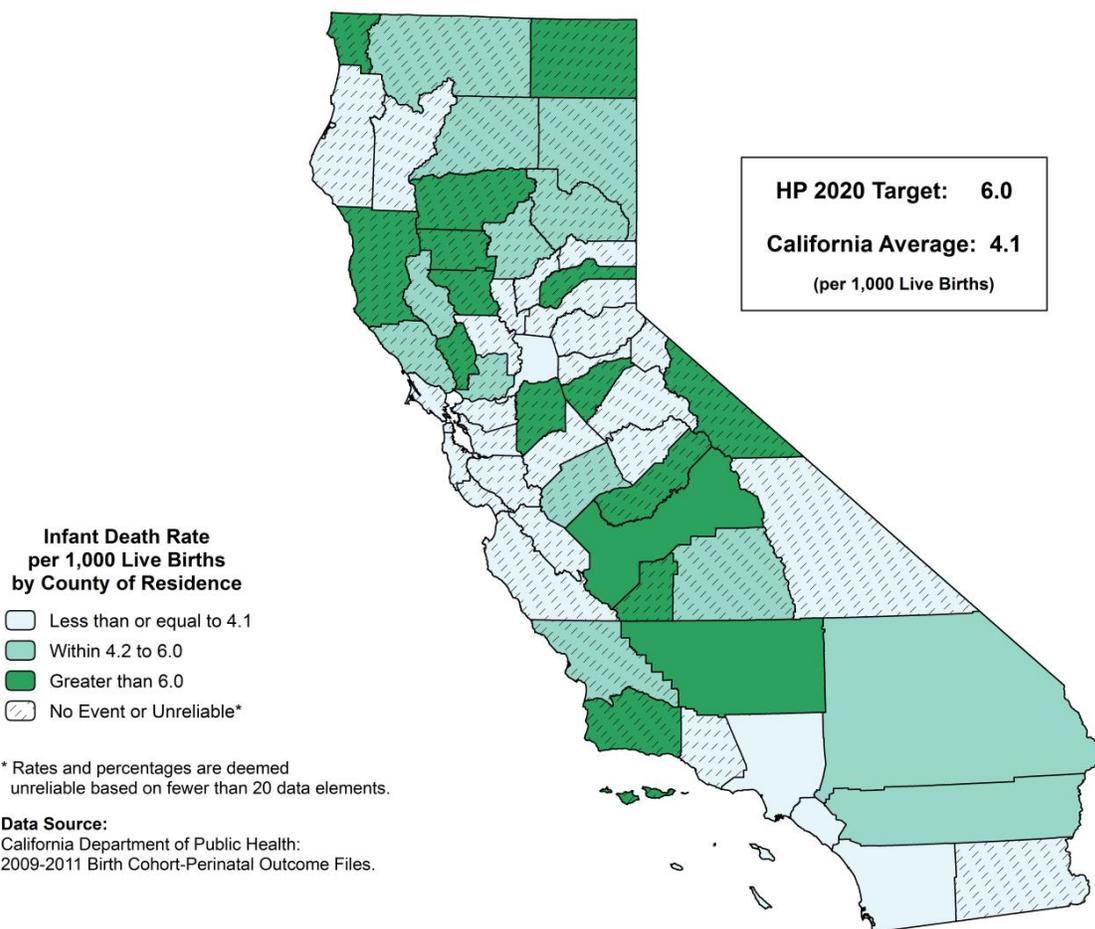
RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	MONO	69.0	0.0	-	-	-
2	AMADOR	49.7	0.0	-	-	-
3	CALAVERAS	49.0	0.0	-	-	-
4	LASSEN	42.3	0.0	-	-	-
5	MARIPOSA	17.0	0.0	-	-	-
6	MODOC	11.7	0.0	-	-	-
7	TRINITY	10.0	0.0	-	-	-
8	SIERRA	2.3	0.0	-	-	-
9	ALPINE	0.3	0.0	-	-	-
10	GLENN	217.3	0.3	1.5 *	0.0	20.1
11	SAN MATEO	2,520.3	6.0	2.4 *	0.9	5.2
12	BUTTE	452.0	1.3	2.9 *	0.2	13.6
13	PLACER	702.0	2.3	3.3 *	0.5	11.0
14	SANTA CRUZ	1,849.0	6.3	3.4 *	1.3	7.3
15	SANTA CLARA	8,770.3	30.7	3.5	2.4	5.0
16	SANTA BARBARA	3,938.3	14.3	3.6 *	2.0	6.1
17	YOLO	999.7	3.7	3.7 *	0.9	9.8
18	SAN DIEGO	19,216.7	72.7	3.8	3.0	4.8
19	IMPERIAL	2,792.3	11.0	3.9 *	2.0	7.0
20	RIVERSIDE	18,257.0	78.0	4.3	3.4	5.3
21	ORANGE	19,205.0	83.3	4.3	3.5	5.4
22	YUBA	379.3	1.7	4.4 *	0.4	17.6
23	MONTEREY	5,143.0	22.7	4.4	2.8	6.6
24	ALAMEDA	5,848.0	26.3	4.5	3.0	6.6
25	SONOMA	2,281.0	10.3	4.5 *	2.2	8.3
26	LOS ANGELES	82,030.3	377.7	4.6	4.1	5.1
27	MERCED	2,777.7	13.0	4.7 *	2.5	8.0
	CALIFORNIA	259,013.3	1,222.3	4.7	4.5	5.0
28	SAN JOAQUIN	5,276.7	25.3	4.8	3.1	7.1
29	INYO	69.3	0.3	4.8 *	0.0	62.9
30	NAPA	829.0	4.0	4.8 *	1.3	12.4
31	SACRAMENTO	5,678.3	27.7	4.9	3.2	7.1
32	DEL NORTE	67.7	0.3	4.9 *	0.0	64.4
33	CONTRA COSTA	4,330.0	21.7	5.0	3.1	7.6
34	SAN FRANCISCO	1,771.3	9.0	5.1 *	2.3	9.6
35	TULARE	5,908.7	30.3	5.1	3.5	7.3
36	VENTURA	6,648.7	34.7	5.2	3.6	7.3
37	SOLANO	1,712.3	9.0	5.3 *	2.4	10.0
38	SAN LUIS OBISPO	940.3	5.0	5.3 *	1.7	12.4
39	NEVADA	124.3	0.7	5.4 *	0.0	40.1
40	MADERA	1,767.0	9.7	5.5 *	2.6	10.2
41	COLUSA	243.0	1.3	5.5 *	0.3	25.3
42	SUTTER	539.3	3.0	5.6 *	1.1	16.3
43	MARIN	711.3	4.0	5.6 *	1.5	14.4
44	KINGS	1,521.0	8.7	5.7 *	2.6	10.9
45	EL DORADO	347.7	2.0	5.8 *	0.7	20.8
46	SAN BERNARDINO	18,290.7	109.0	6.0	4.8	7.1
47	KERN	8,708.3	52.0	6.0	4.5	7.8
48	MENDOCINO	388.0	2.3	6.0 *	0.9	20.0
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-1.3			6.0		
49	STANISLAUS	4,206.3	26.0	6.2	4.0	9.1
50	FRESNO	9,709.7	61.0	6.3	4.8	8.1
51	SAN BENITO	545.0	3.7	6.7 *	1.7	17.9
52	HUMBOLDT	216.3	1.7	7.7 *	0.7	30.9
53	TEHAMA	266.7	2.3	8.8 *	1.3	29.1
54	LAKE	190.3	1.7	8.8 *	0.8	35.1
55	SHASTA	213.7	2.0	9.4 *	1.1	33.8
56	TUOLUMNE	64.3	0.7	10.4 *	0.1	77.4
57	SISKIYOU	79.3	1.0	12.6 *	0.3	70.2
58	PLUMAS	18.0	0.7	37.0 *	0.2	276.7

- Rates, percentages, and confidence limits are not calculated for zero events.

* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by increasing birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
Source: California Department of Public Health: 2009-2011 Birth Cohort-Perinatal Outcome Files.

WHITE INFANT MORTALITY, 2009-2011



The California birth cohort infant death rate for Whites was 4.1 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 246.8 births in the infant group. This rate was based on 2009 through 2011 three-year average numbers of White infant deaths equaling 570.3 and live births equaling 140,769.3.

Among counties with reliable rates, the birth cohort infant death rate for Whites ranged from 6.6 in Kern County to 3.0 in Orange County, a factor of 2.2 to 1.

Six counties with reliable infant death rates for Whites and California as a whole met the Healthy People 2020 National Objective MICH-1.3 of no more than 6.0 infant deaths per 1,000 birth cohort live births. An additional thirty-three counties with unreliable rates and three counties with no infant deaths met the objective.

The California birth cohort infant death rate for Whites for the 2006-2008 period was 4.6.

**TABLE 24E
WHITE INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

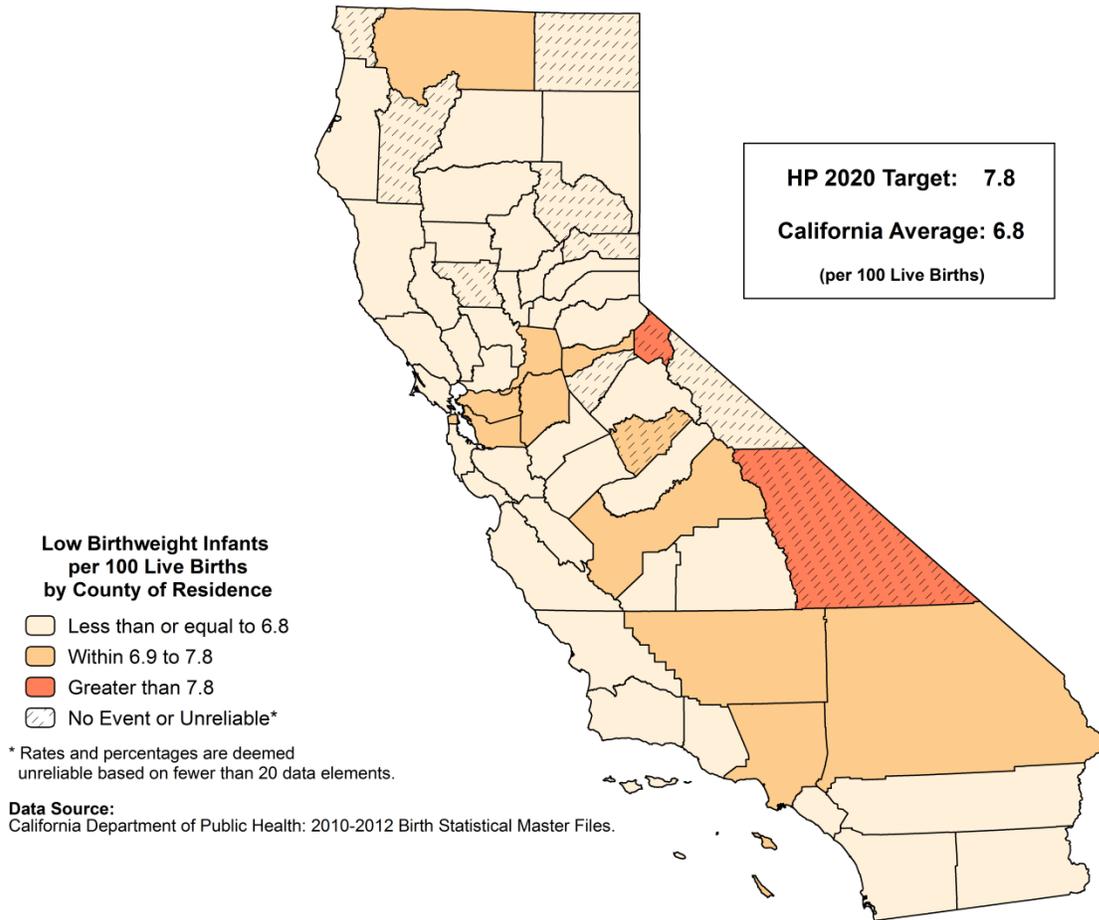
RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	MARIPOSA	114.3	0.0	-	-	-
2	SIERRA	19.0	0.0	-	-	-
3	ALPINE	2.3	0.0	-	-	-
4	TUOLUMNE	349.3	0.3	1.0 *	0.0	12.5
5	SANTA CRUZ	1,186.3	1.7	1.4 *	0.1	5.6
6	MARIN	1,399.3	2.0	1.4 *	0.2	5.2
7	SAN FRANCISCO	3,588.7	6.0	1.7 *	0.6	3.6
8	YOLO	992.7	1.7	1.7 *	0.1	6.7
9	EL DORADO	1,156.7	2.3	2.0 *	0.3	6.7
10	SAN MATEO	2,714.0	7.0	2.6 *	1.0	5.3
11	ALAMEDA	4,717.3	13.0	2.8 *	1.5	4.7
12	VENTURA	3,349.0	10.0	3.0 *	1.4	5.5
13	ORANGE	11,497.0	34.7	3.0	2.1	4.2
14	SANTA CLARA	5,293.3	16.3	3.1 *	1.8	5.0
15	STANISLAUS	2,670.3	8.3	3.1 *	1.4	6.1
16	IMPERIAL	209.0	0.7	3.2 *	0.0	23.8
17	INYO	103.7	0.3	3.2 *	0.0	42.0
18	MONTEREY	1,228.3	4.0	3.3 *	0.9	8.3
19	HUMBOLDT	1,018.0	3.3	3.3 *	0.8	9.1
20	AMADOR	203.0	0.7	3.3 *	0.0	24.5
21	YUBA	673.3	2.3	3.5 *	0.5	11.5
22	SAN DIEGO	15,001.0	52.7	3.5	2.6	4.6
23	TRINITY	93.3	0.3	3.6 *	0.0	46.7
24	PLACER	2,605.3	9.7	3.7 *	1.8	6.9
25	LOS ANGELES	23,089.7	86.7	3.8	3.0	4.6
26	SAN BENITO	177.3	0.7	3.8 *	0.0	28.1
27	CONTRA COSTA	4,158.7	16.0	3.8 *	2.2	6.2
28	SACRAMENTO	7,798.0	31.7	4.1	2.8	5.7
29	SUTTER	567.7	2.3	4.1 *	0.6	13.6
	CALIFORNIA	140,769.3	570.3	4.1	3.7	4.4
30	TULARE	1,748.3	7.3	4.2 *	1.7	8.5
31	SISKIYOU	317.7	1.3	4.2 *	0.2	19.3
32	SONOMA	2,554.7	11.0	4.3 *	2.1	7.7
33	SOLANO	1,662.3	7.3	4.4 *	1.8	8.9
34	LAKE	448.0	2.0	4.5 *	0.5	16.1
35	SHASTA	1,638.7	7.7	4.7 *	2.0	9.3
36	SAN LUIS OBISPO	1,524.7	7.7	5.0 *	2.1	10.0
37	PLUMAS	130.7	0.7	5.1 *	0.0	38.1
38	RIVERSIDE	8,288.7	44.0	5.3	3.9	7.1
39	BUTTE	1,606.0	8.7	5.4 *	2.4	10.4
40	LASSEN	240.3	1.3	5.5 *	0.3	25.5
41	SAN BERNARDINO	7,747.7	45.3	5.9	4.3	7.8
42	MERCED	1,000.0	6.0	6.0 *	2.2	13.1
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-1.3			6.0		
43	NEVADA	591.0	3.7	6.2 *	1.6	16.5
44	FRESNO	3,369.3	21.0	6.2	3.9	9.5
45	NAPA	582.0	3.7	6.3 *	1.6	16.8
46	SAN JOAQUIN	2,566.7	16.3	6.4 *	3.7	10.3
47	KERN	4,122.0	27.0	6.6	4.3	9.5
48	TEHAMA	457.7	3.0	6.6 *	1.4	19.2
49	KINGS	749.7	5.0	6.7 *	2.2	15.6
50	MADERA	499.0	3.3	6.7 *	1.5	18.6
51	SANTA BARBARA	1,535.3	10.3	6.7 *	3.3	12.3
52	MENDOCINO	550.3	4.0	7.3 *	2.0	18.6
53	DEL NORTE	201.0	1.7	8.3 *	0.7	33.3
54	COLUSA	75.3	0.7	8.8 *	0.0	66.1
55	CALAVERAS	260.0	2.3	9.0 *	1.4	29.8
56	MONO	71.3	0.7	9.3 *	0.0	69.8
57	GLENN	177.7	1.7	9.4 *	0.8	37.7
58	MODOC	77.3	1.0	12.9 *	0.3	72.0

- Rates, percentages, and confidence limits are not calculated for zero events.

* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by increasing birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
Source: California Department of Public Health: 2009-2011 Birth Cohort-Perinatal Outcome Files.

LOW BIRTHWEIGHT INFANTS, 2010-2012



The percentage of low birthweight infants for California was 6.8 per 100 live births, or about one for every 14.8 live births. The 6.8 percentage was based on a 2010 through 2012 three-year average number of low birthweight infants equaling 34,144.0 and live births of 505,237.3.

Among counties with reliable percentages, the percent of low birthweight infants ranged from 7.7 in Fresno County to 4.4 in Tuolumne County, a factor of 1.7 to 1.

Forty-seven counties with reliable percentages and California as a whole met the Healthy People 2020 National Objective MICH-8.1 of reducing the incidence of low birthweight infants to no more than 7.8 percent of total births. An additional nine counties with unreliable percentages met the objective.

The California percentage of low birthweight infants for the 2007-2009 period was 6.8 per 100 live births.

**TABLE 25
LOW BIRTHWEIGHT INFANTS
RANKED BY THREE-YEAR AVERAGE LOW BIRTHWEIGHT PERCENTAGE
CALIFORNIA COUNTIES, 2010-2012**

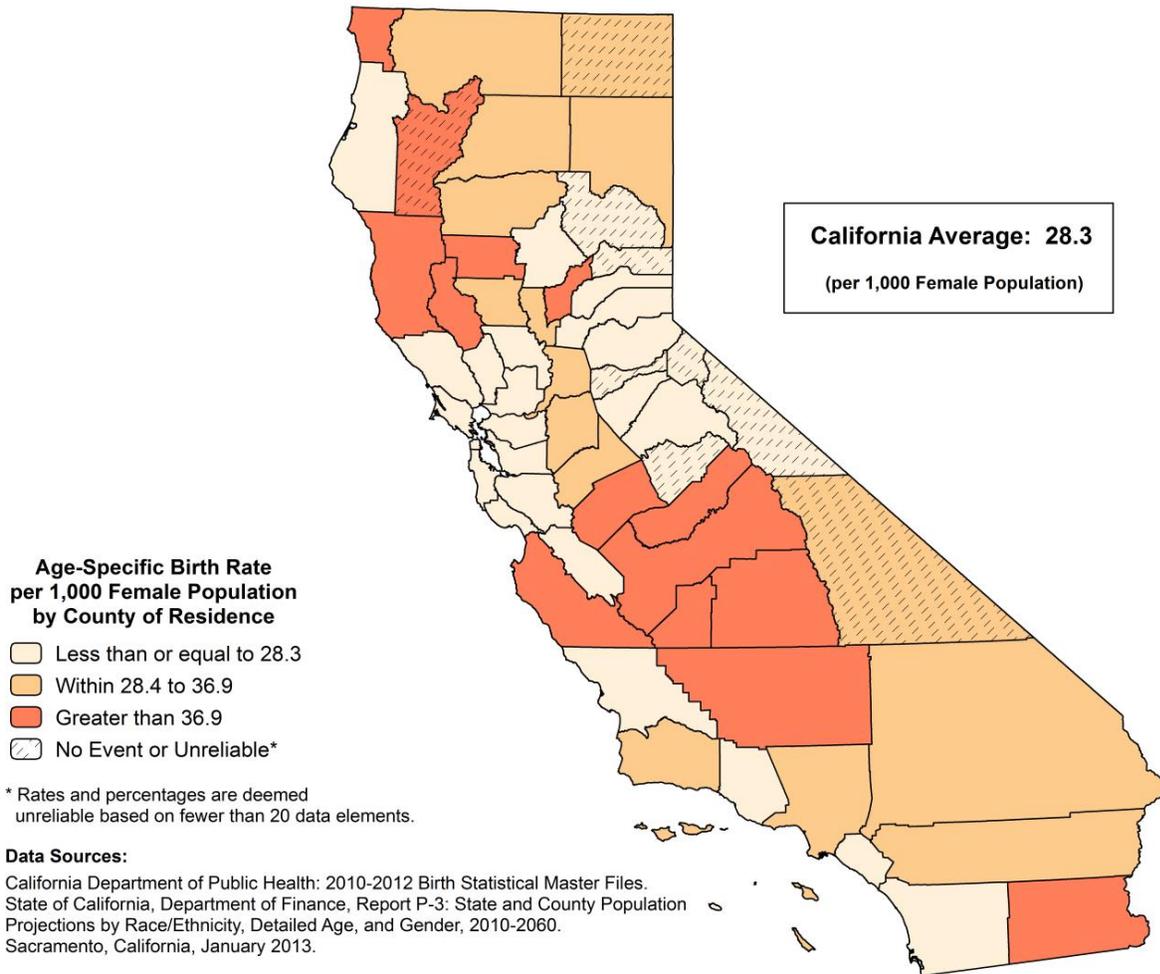
RANK ORDER	COUNTY OF RESIDENCE	2010-2012 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		LIVE BIRTHS	LOW BIRTHWEIGHT		LOWER	UPPER
			NUMBER	PERCENT		
1	DEL NORTE	337.0	14.7	4.4 *	2.4	7.2
2	CALAVERAS	339.7	15.0	4.4 *	2.5	7.3
3	TUOLUMNE	458.7	20.3	4.4	2.7	6.8
4	TRINITY	118.3	5.3	4.5 *	1.5	10.3
5	SIERRA	21.7	1.0	4.6 *	0.1	25.7
6	HUMBOLDT	1,503.0	78.7	5.2	4.1	6.5
7	SAN LUIS OBISPO	2,649.3	144.7	5.5	4.6	6.4
8	NEVADA	788.0	43.7	5.5	4.0	7.4
9	IMPERIAL	3,062.3	170.0	5.6	4.7	6.4
10	YUBA	1,239.3	69.0	5.6	4.3	7.0
11	MENDOCINO	1,091.0	61.3	5.6	4.3	7.2
12	SANTA CRUZ	3,168.7	178.3	5.6	4.8	6.5
13	YOLO	2,405.7	135.7	5.6	4.7	6.6
14	SONOMA	5,228.3	295.7	5.7	5.0	6.3
15	BUTTE	2,413.3	139.3	5.8	4.8	6.7
16	MONTEREY	6,743.0	389.3	5.8	5.2	6.3
17	MARIN	2,353.0	137.0	5.8	4.8	6.8
18	GLENN	397.7	23.3	5.9	3.7	8.8
19	SAN BENITO	735.7	43.3	5.9	4.3	7.9
20	SANTA BARBARA	5,735.3	338.3	5.9	5.3	6.5
21	PLACER	3,768.0	222.7	5.9	5.1	6.7
22	NAPA	1,509.0	89.7	5.9	4.8	7.3
23	SHASTA	2,089.0	124.7	6.0	4.9	7.0
24	SUTTER	1,314.7	79.0	6.0	4.8	7.5
25	STANISLAUS	7,709.0	473.0	6.1	5.6	6.7
26	TULARE	8,040.3	493.7	6.1	5.6	6.7
27	TEHAMA	753.3	46.3	6.2	4.5	8.2
28	MONO	146.0	9.0	6.2 *	2.8	11.7
29	COLUSA	318.0	19.7	6.2 *	3.8	9.6
30	VENTURA	10,814.3	676.7	6.3	5.8	6.7
31	EL DORADO	1,586.7	100.3	6.3	5.1	7.6
32	MODOC	94.0	6.0	6.4 *	2.3	13.9
33	LAKE	725.0	46.3	6.4	4.7	8.5
34	RIVERSIDE	30,528.0	1,957.3	6.4	6.1	6.7
35	KINGS	2,476.3	159.0	6.4	5.4	7.4
36	SAN DIEGO	44,283.0	2,865.3	6.5	6.2	6.7
37	ORANGE	38,174.3	2,471.0	6.5	6.2	6.7
38	PLUMAS	161.7	10.7	6.6 *	3.3	11.9
39	MADERA	2,364.3	157.0	6.6	5.6	7.7
40	SOLANO	5,088.7	341.3	6.7	6.0	7.4
41	MERCED	4,280.0	291.3	6.8	6.0	7.6
42	SAN MATEO	9,139.3	625.3	6.8	6.3	7.4
43	LASSEN	306.7	21.0	6.8	4.2	10.5
44	SANTA CLARA	23,963.0	1,641.3	6.8	6.5	7.2
	CALIFORNIA	505,237.3	34,144.0	6.8	6.7	6.8
45	SACRAMENTO	19,885.0	1,362.3	6.9	6.5	7.2
46	CONTRA COSTA	12,155.7	839.7	6.9	6.4	7.4
47	KERN	14,416.7	1,007.0	7.0	6.6	7.4
48	SAN FRANCISCO	8,894.0	623.7	7.0	6.5	7.6
49	SAN JOAQUIN	10,348.0	727.3	7.0	6.5	7.5
50	MARIPOSA	146.0	10.3	7.1 *	3.4	12.9
51	LOS ANGELES	131,721.3	9,376.3	7.1	7.0	7.3
52	SAN BERNARDINO	30,876.3	2,221.3	7.2	6.9	7.5
53	SISKIYOU	469.0	34.3	7.3	5.1	10.2
54	AMADOR	275.3	20.3	7.4	4.5	11.4
55	ALAMEDA	19,284.0	1,429.3	7.4	7.0	7.8
56	FRESNO	16,130.3	1,242.0	7.7	7.3	8.1
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-8.1			7.8		
57	INYO	208.0	17.7	8.5 *	5.0	13.5
58	ALPINE	6.0	0.7	11.1 *	0.1	83.0

* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by increasing low birthweight percentage (calculated to 15 decimal places), second by decreasing size of the total number of live births.

Source: California Department of Public Health: 2010-2012 Birth Statistical Master Files.

BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD, 2010-2012



The age-specific birth rate to adolescents, aged 15 to 19 years old, in California was 28.3 per 1,000 female population, aged 15 to 19 years old, or approximately one birth for every 35.3 adolescent females in this age group. This rate was based on a 2010 through 2012 three-year average number of births by females, aged 15 to 19 years old, of 38,792.0 and a female population count, aged 15 to 19 years old, of 1,368,733 as of July 1, 2011.

Among counties with reliable rates, the age-specific rate ranged from 53.5 in Tulare County to 9.9 in Marin County, a factor of 5.4 to 1.

A Healthy People 2020 National Objective for births to adolescents, aged 15 to 19 years old, has not been established.

The California age-specific birth rate to adolescents, aged 15 to 19 years old, for the 2007-2009 period was 37.8 per 1,000 female population in this age group.

**TABLE 26
BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD
RANKED BY THREE-YEAR AVERAGE AGE-SPECIFIC BIRTH RATE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2011 FEMALE POPULATION 15-19 YRS OLD	2010-2012 LIVE BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTHRATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:				NONE		
1	SIERRA	79	0.7	8.4 *	0.0	62.8
2	MARIN	6,754	66.7	9.9	7.6	12.5
3	PLACER	12,742	148.3	11.6	9.8	13.5
4	SAN FRANCISCO	17,220	216.7	12.6	10.9	14.3
5	EL DORADO	6,303	80.7	12.8	10.2	15.9
6	NEVADA	3,021	44.7	14.8	10.8	19.8
7	SAN MATEO	21,251	322.3	15.2	13.5	16.8
8	YOLO	10,022	159.3	15.9	13.4	18.4
9	SAN LUIS OBISPO	10,328	164.7	15.9	13.5	18.4
10	TUOLUMNE	1,504	24.0	16.0	10.2	23.7
11	CONTRA COSTA	37,429	640.0	17.1	15.8	18.4
12	AMADOR	970	18.3	18.9 *	11.3	29.7
13	SANTA CLARA	56,308	1,064.7	18.9	17.8	20.0
14	SONOMA	16,168	307.3	19.0	16.9	21.1
15	CALAVERAS	1,380	26.3	19.1	12.5	27.9
16	MONO	412	8.0	19.4 *	8.4	38.3
17	ALAMEDA	47,617	926.0	19.4	18.2	20.7
18	ORANGE	110,171	2,257.3	20.5	19.6	21.3
19	NAPA	4,696	100.7	21.4	17.2	25.6
20	SAN BENITO	2,330	50.3	21.6	16.0	28.5
21	ALPINE	30	0.7	22.2 *	0.1	165.7
22	SANTA CRUZ	10,554	243.3	23.1	20.2	26.0
23	MARIPOSA	544	12.7	23.3 *	12.3	40.1
24	BUTTE	8,457	200.3	23.7	20.4	27.0
25	SOLANO	14,609	352.3	24.1	21.6	26.6
26	HUMBOLDT	4,449	107.3	24.1	19.6	28.7
27	PLUMAS	573	14.3	25.0 *	13.8	41.7
28	SAN DIEGO	106,916	2,809.7	26.3	25.3	27.3
29	VENTURA	31,279	840.0	26.9	25.0	28.7
	CALIFORNIA	1,368,733	38,792.0	28.3	28.1	28.6
30	SACRAMENTO	51,094	1,452.0	28.4	27.0	29.9
31	RIVERSIDE	93,245	2,658.7	28.5	27.4	29.6
32	LOS ANGELES	360,060	10,396.3	28.9	28.3	29.4
33	SANTA BARBARA	18,767	552.7	29.4	27.0	31.9
34	SUTTER	3,450	101.7	29.5	23.7	35.2
35	MODOC	300	9.0	30.0 *	13.7	56.9
36	SHASTA	5,818	176.0	30.3	25.8	34.7
37	INYO	576	18.7	32.4 *	19.4	50.8
38	SAN JOAQUIN	28,284	949.3	33.6	31.4	35.7
39	COLUSA	821	28.0	34.1	22.7	49.3
40	LASSEN	914	31.3	34.3	23.4	48.6
41	SAN BERNARDINO	87,877	3,128.0	35.6	34.3	36.8
42	TEHAMA	2,289	81.7	35.7	28.4	44.3
43	STANISLAUS	20,578	735.3	35.7	33.2	38.3
44	SISKIYOU	1,236	45.7	36.9	27.0	49.3
45	MENDOCINO	2,602	97.3	37.4	30.3	45.6
46	LAKE	1,984	76.3	38.5	30.3	48.1
47	GLENN	1,063	41.0	38.6	27.7	52.3
48	TRINITY	396	15.3	38.7 *	21.8	63.6
49	YUBA	2,716	111.3	41.0	33.4	48.6
50	MERCED	11,971	495.0	41.4	37.7	45.0
51	MONTEREY	15,875	705.7	44.5	41.2	47.7
52	FRESNO	39,511	1,834.7	46.4	44.3	48.6
53	MADERA	5,779	286.0	49.5	43.8	55.2
54	IMPERIAL	7,376	372.0	50.4	45.3	55.6
55	KINGS	5,323	269.0	50.5	44.5	56.6
56	DEL NORTE	861	45.3	52.6	38.5	70.4
57	KERN	34,648	1,843.7	53.2	50.8	55.6
58	TULARE	19,204	1,027.3	53.5	50.2	56.8

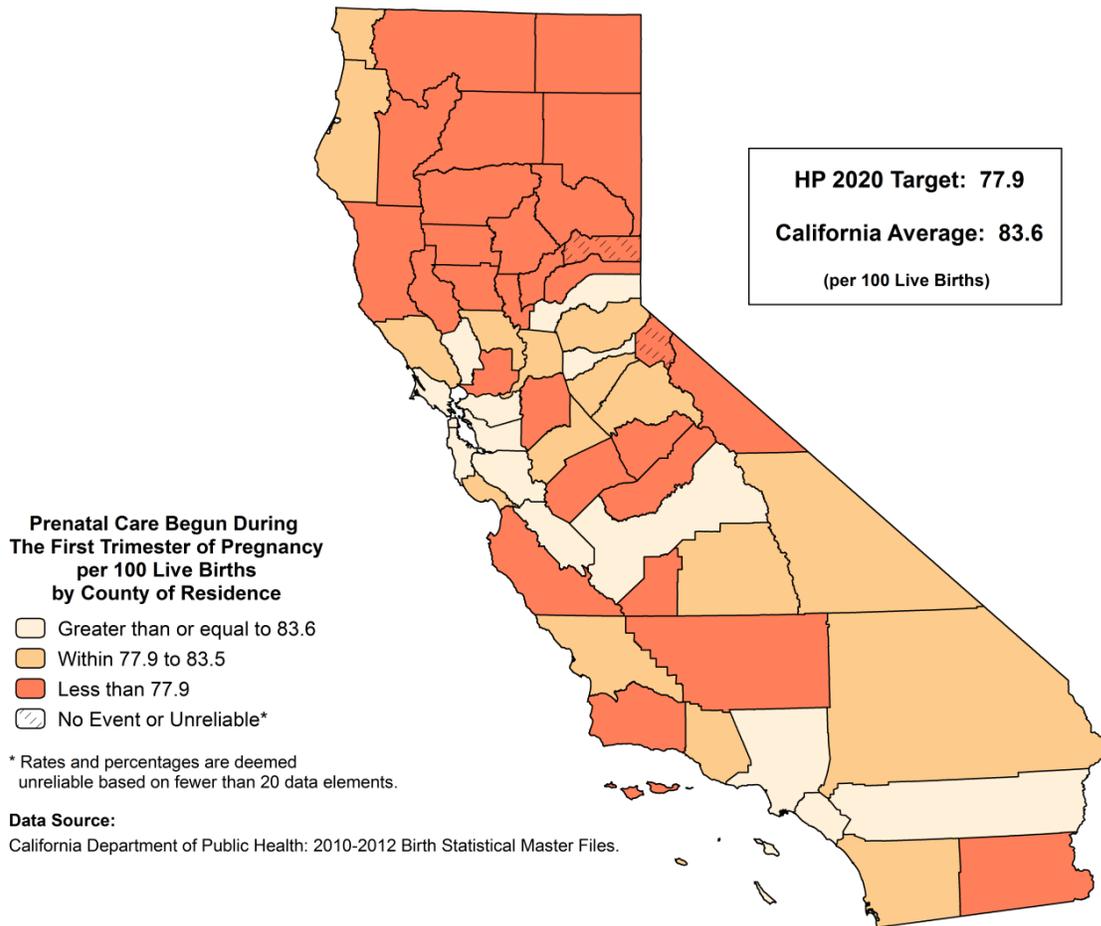
* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by increasing age-specific birth rate (calculated to 15 decimal places), second by decreasing size of the population.

Sources: California Department of Public Health: 2010-2012 Birth Statistical Master Files.

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

PRENATAL CARE BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY, 2010-2012



The percentage of births to mothers with prenatal care begun during the first trimester of pregnancy for California was 83.6 per 100 live births. The 83.6 percentage was based on a 2010 through 2012 three-year average number of births to mothers with prenatal care begun during the first trimester of pregnancy equaling 413,217.0 and a live births total of 494,298.3.

Among counties with reliable percentages, the percent of births to mothers with prenatal care begun during the first trimester of pregnancy ranged from 93.9 in Marin County to 55.7 in Imperial County, a factor of 1.7 to 1.

Thirty counties with a reliable percentage and California as a whole met the Healthy People 2020 National Objective MICH-10.1 of achieving the percentage of mothers with prenatal care begun during the first trimester of pregnancy to at least 77.9 percent of total births.

The California percentage of births to mothers with prenatal care begun during the first trimester of pregnancy for the 2007-2009 period was 82.7 per 100 live births.

**TABLE 27A
 PRENATAL CARE BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY
 RANKED BY PERCENTAGE OF THREE-YEAR AVERAGE FIRST TRIMESTER CARE
 CALIFORNIA COUNTIES, 2010-2012**

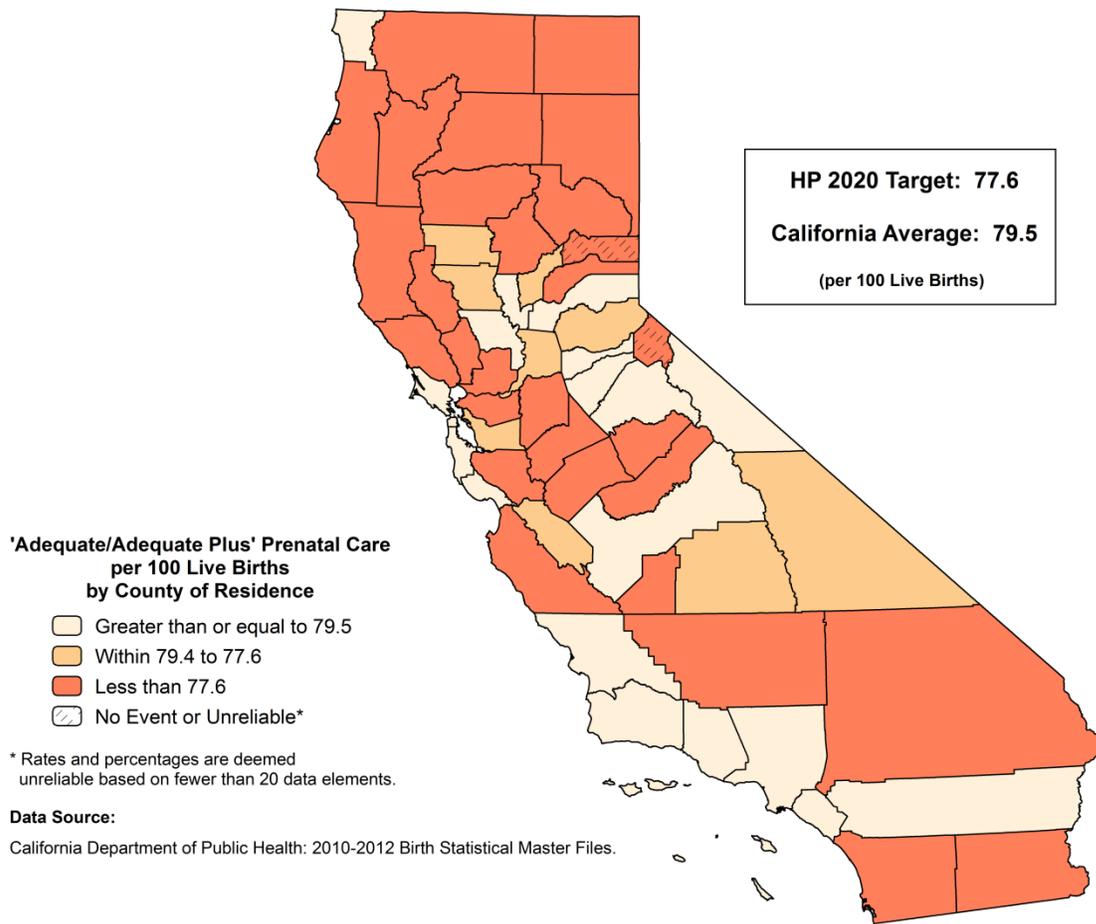
RANK ORDER	COUNTY OF RESIDENCE	2010-2012 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	FIRST TRIMESTER CARE		LOWER	UPPER
			NUMBER	PERCENT		
1	MARIN	2,335.3	2,194.0	93.9	90.0	97.9
2	SAN MATEO	9,115.0	8,223.7	90.2	88.3	92.2
3	ORANGE	37,776.0	33,870.7	89.7	88.7	90.6
4	ALAMEDA	19,028.3	16,878.0	88.7	87.4	90.0
5	SAN FRANCISCO	8,838.3	7,822.7	88.5	86.5	90.5
6	FRESNO	15,221.7	13,438.0	88.3	86.8	89.8
7	AMADOR	274.3	238.7	87.0	76.0	98.0
8	LOS ANGELES	126,168.7	107,939.3	85.6	85.0	86.1
9	PLACER	3,751.7	3,198.3	85.3	82.3	88.2
10	SANTA CLARA	23,851.0	20,317.3	85.2	84.0	86.4
11	NAPA	1,492.7	1,269.7	85.1	80.4	89.7
12	SAN BENITO	731.3	621.3	85.0	78.3	91.6
13	RIVERSIDE	30,209.7	25,590.0	84.7	83.7	85.7
14	CONTRA COSTA	12,072.7	10,188.3	84.4	82.8	86.0
	CALIFORNIA	494,298.3	413,217.0	83.6	83.3	83.9
15	SAN DIEGO	44,253.3	36,956.7	83.5	82.7	84.4
16	SONOMA	5,215.7	4,354.0	83.5	81.0	86.0
17	SAN BERNARDINO	30,433.0	25,296.3	83.1	82.1	84.1
18	YOLO	2,364.3	1,955.7	82.7	79.0	86.4
19	SANTA CRUZ	3,131.3	2,587.0	82.6	79.4	85.8
20	VENTURA	10,799.3	8,882.3	82.2	80.5	84.0
21	TUOLUMNE	455.0	372.7	81.9	73.6	90.2
22	SACRAMENTO	19,220.7	15,639.7	81.4	80.1	82.6
23	TULARE	7,933.3	6,389.7	80.5	78.6	82.5
24	SAN LUIS OBISPO	2,633.0	2,116.7	80.4	77.0	83.8
25	CALAVERAS	338.7	270.3	79.8	70.3	89.3
26	HUMBOLDT	1,479.7	1,180.3	79.8	75.2	84.3
27	INYO	205.0	162.3	79.2	67.0	91.4
28	DEL NORTE	335.0	263.3	78.6	69.1	88.1
29	EL DORADO	1,577.7	1,239.3	78.6	74.2	82.9
30	STANISLAUS	7,599.3	5,925.3	78.0	76.0	80.0
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-10.1			77.9		
31	SOLANO	5,014.0	3,902.3	77.8	75.4	80.3
32	SISKIYOU	463.3	357.3	77.1	69.1	85.1
33	SAN JOAQUIN	10,203.3	7,858.0	77.0	75.3	78.7
34	MONO	143.0	109.0	76.2	61.9	90.5
35	KERN	13,727.0	10,418.3	75.9	74.4	77.4
36	PLUMAS	154.0	116.7	75.8	62.0	89.5
37	LASSEN	285.7	216.3	75.7	65.6	85.8
38	KINGS	2,443.7	1,843.3	75.4	72.0	78.9
39	NEVADA	779.3	584.7	75.0	68.9	81.1
40	SANTA BARBARA	5,710.7	4,280.3	75.0	72.7	77.2
41	MADERA	2,292.3	1,714.3	74.8	71.2	78.3
42	BUTTE	2,383.0	1,776.7	74.6	71.1	78.0
43	SIERRA	19.3	14.0	72.4 *	39.6	100.0
44	MONTEREY	6,563.7	4,744.0	72.3	70.2	74.3
45	COLUSA	316.0	227.7	72.0	62.7	81.4
46	MARIPOSA	138.7	99.7	71.9	58.5	87.4
47	MODOC	92.7	66.3	71.6	55.4	91.0
48	TEHAMA	750.3	527.0	70.2	64.2	76.2
49	YUBA	1,233.0	860.3	69.8	65.1	74.4
50	SUTTER	1,308.3	905.3	69.2	64.7	73.7
51	LAKE	715.7	489.3	68.4	62.3	74.4
52	SHASTA	2,062.3	1,408.7	68.3	64.7	71.9
53	MENDOCINO	1,077.3	729.0	67.7	62.8	72.6
54	GLENN	393.7	265.0	67.3	59.2	75.4
55	ALPINE	5.7	3.7	64.7 *	16.3	100.0
56	MERCED	4,154.0	2,630.3	63.3	60.9	65.7
57	TRINITY	116.3	65.3	56.2	43.4	71.5
58	IMPERIAL	2,911.0	1,622.3	55.7	53.0	58.4

* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by decreasing percentage of births to mothers with first trimester care (calculated to 15 decimal places), second by decreasing size of the total number of live births.

Source: California Department of Public Health: 2010-2012 Birth Statistical Master Files.

**'ADEQUATE/ADEQUATE PLUS' PRENATAL CARE
(ADEQUACY OF PRENATAL CARE UTILIZATION INDEX), 2010-2012**



The percentage of births to mothers with 'adequate/adequate plus' prenatal care for California was 79.5 per 100 live births. The 79.5 percentage was based on a 2010 through 2012 three-year average number of births to mothers with 'adequate/adequate plus' prenatal care equaling 388,867.7 and a live births total of 489,055.3.

Among counties with reliable percentages, the percent of births to mothers with 'adequate/adequate plus' prenatal care ranged from 89.6 in Fresno County to 58.1 in Imperial County, a factor of 1.5 to 1.

Twenty-eight counties with reliable percentages and California as a whole met the Healthy People 2020 National Objective MICH-10.2 of increasing the proportion of pregnant women receiving early and adequate prenatal care to 77.6 percent of total births according to the Adequacy of Prenatal Care Utilization Index. Please see Technical Notes, Natality Section, for determination of 'adequate/adequate plus' definition and additional clarification.

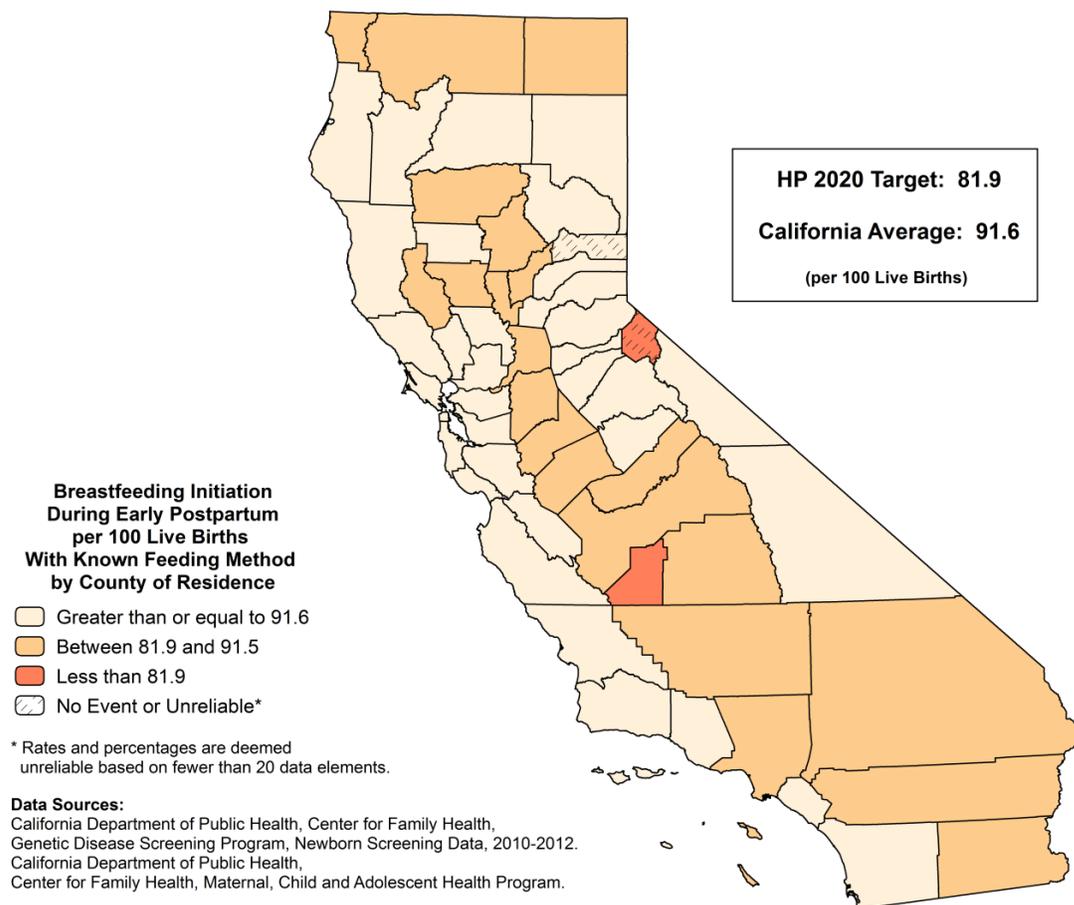
The California percentage of births to mothers with 'adequate/adequate plus' prenatal care for the 2007-2009 period was 79.0 per 100 live births.

TABLE 27B
'ADEQUATE/ADEQUATE PLUS' PRENATAL CARE (ADEQUACY OF PRENATAL CARE UTILIZATION INDEX)
RANKED BY PERCENTAGE OF THREE-YEAR 'ADEQUATE/ADEQUATE PLUS' PRENATAL CARE
CALIFORNIA COUNTIES, 2010-2012

RANK ORDER	COUNTY OF RESIDENCE	2010-2012 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	ADEQUATE / ADEQUATE PLUS CARE		LOWER	UPPER
			NUMBER	PERCENT		
1	FRESNO	14,665.0	13,139.3	89.6	88.1	91.1
2	ORANGE	37,457.7	33,247.3	88.8	87.8	89.7
3	SAN LUIS OBISPO	2,618.0	2,266.7	86.6	83.0	90.1
4	MARIN	2,331.0	2,011.0	86.3	82.5	90.0
5	AMADOR	273.7	233.3	85.3	74.3	96.2
6	SANTA CRUZ	3,076.0	2,593.7	84.3	81.1	87.6
7	SAN MATEO	9,109.0	7,670.0	84.2	82.3	86.1
8	PLACER	3,748.3	3,127.7	83.4	80.5	86.4
9	LOS ANGELES	124,414.0	102,491.3	82.4	81.9	82.9
10	VENTURA	10,791.7	8,879.3	82.3	80.6	84.0
11	DEL NORTE	333.7	272.3	81.6	71.9	91.3
12	MONO	142.7	116.3	81.5	66.7	96.4
13	RIVERSIDE	29,678.0	24,185.0	81.5	80.5	82.5
14	SANTA BARBARA	5,704.3	4,642.0	81.4	79.0	83.7
15	TUOLUMNE	453.7	368.0	81.1	72.8	89.4
16	CALAVERAS	337.3	272.7	80.8	71.2	90.4
17	SAN FRANCISCO	8,824.3	7,121.7	80.7	78.8	82.6
18	YOLO	2,360.7	1,895.7	80.3	76.7	83.9
19	SUTTER	1,307.3	1,044.3	79.9	75.0	84.7
	CALIFORNIA	489,055.3	388,867.7	79.5	79.3	79.8
20	TULARE	7,884.3	6,244.0	79.2	77.2	81.2
21	COLUSA	315.3	249.3	79.1	69.3	88.9
22	ALAMEDA	18,890.3	14,905.7	78.9	77.6	80.2
23	INYO	205.0	161.7	78.9	66.7	91.0
24	YUBA	1,231.7	970.3	78.8	73.8	83.7
25	EL DORADO	1,576.0	1,241.3	78.8	74.4	83.1
26	SACRAMENTO	19,176.7	15,011.7	78.3	77.0	79.5
27	SAN BENITO	729.3	569.3	78.1	71.6	84.5
28	GLENN	388.3	302.7	77.9	69.2	86.7
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-10.2			77.6		
29	BUTTE	2,361.3	1,831.0	77.5	74.0	81.1
30	HUMBOLDT	1,454.7	1,127.0	77.5	73.0	82.0
31	NAPA	1,482.7	1,146.7	77.3	72.9	81.8
32	SANTA CLARA	23,834.7	18,425.0	77.3	76.2	78.4
33	CONTRA COSTA	12,059.3	9,237.3	76.6	75.0	78.2
34	NEVADA	776.0	594.0	76.5	70.4	82.7
35	SISKIYOU	460.7	352.3	76.5	68.5	84.5
36	ALPINE	5.7	4.3	76.5 *	22.3	100.0
37	SAN BERNARDINO	30,334.0	23,151.0	76.3	75.3	77.3
38	MENDOCINO	1,067.0	812.0	76.1	70.9	81.3
39	TEHAMA	749.0	562.0	75.0	68.8	81.2
40	SONOMA	5,203.3	3,901.0	75.0	72.6	77.3
41	SAN DIEGO	44,244.7	32,714.3	73.9	73.1	74.7
42	SHASTA	2,007.0	1,471.0	73.3	69.5	77.0
43	KERN	13,086.3	9,533.3	72.8	71.4	74.3
44	KINGS	2,414.0	1,750.3	72.5	69.1	75.9
45	PLUMAS	151.7	109.0	71.9	58.4	85.4
46	SAN JOAQUIN	9,884.3	7,095.0	71.8	70.1	73.5
47	MONTEREY	6,523.3	4,681.0	71.8	69.7	73.8
48	SIERRA	19.3	13.7	70.7 *	38.3	100.0
49	STANISLAUS	7,346.7	5,151.0	70.1	68.2	72.0
50	MADERA	2,272.7	1,562.0	68.7	65.3	72.1
51	MARIPOSA	136.3	92.3	67.7	54.6	83.0
52	SOLANO	5,005.7	3,350.3	66.9	64.7	69.2
53	LAKE	704.3	466.7	66.3	60.2	72.3
54	LASSEN	282.7	183.3	64.9	55.5	74.2
55	MODOC	91.3	59.0	64.6	49.2	83.3
56	TRINITY	113.0	72.7	64.3	50.4	80.9
57	MERCED	4,081.0	2,512.7	61.6	59.2	64.0
58	IMPERIAL	2,879.3	1,672.7	58.1	55.3	60.9

* Rates are deemed unreliable based on fewer than 20 data elements.
 Note: Counties were rank ordered first by decreasing percentage of births to mothers with 'adequate/adequate plus' prenatal care (calculated to 15 decimal places), second by decreasing size of the total number of live births.
 Source: California Department of Public Health: 2010-2012 Birth Statistical Master Files.

BREASTFEEDING INITIATION DURING EARLY POSTPARTUM, 2010-2012



The percentage of breastfed infants in California was 91.6 where the feeding method was known. This percentage was based on a 2010 through 2012 average of 399,368.7 breastfed infants and 435,939.3 births with a known feeding method.

Among counties with reliable percentages, the percentages of breastfed infants ranged from 98.6 in Marin County to 80.4 in Kings County, a factor of 1.2 to 1.

Fifty-five counties with reliable percentages and California as a whole met the Healthy People 2020 National Objective MICH-21.1 of increasing the proportion of breastfeeding mothers in the early postpartum period, usually 24 to 48 hours since birth, to an 81.9 percentage of total births. An additional county with an unreliable percentage met the objective.

Commensurable data for breastfed infants in California for the 2007-2009 period are unavailable.

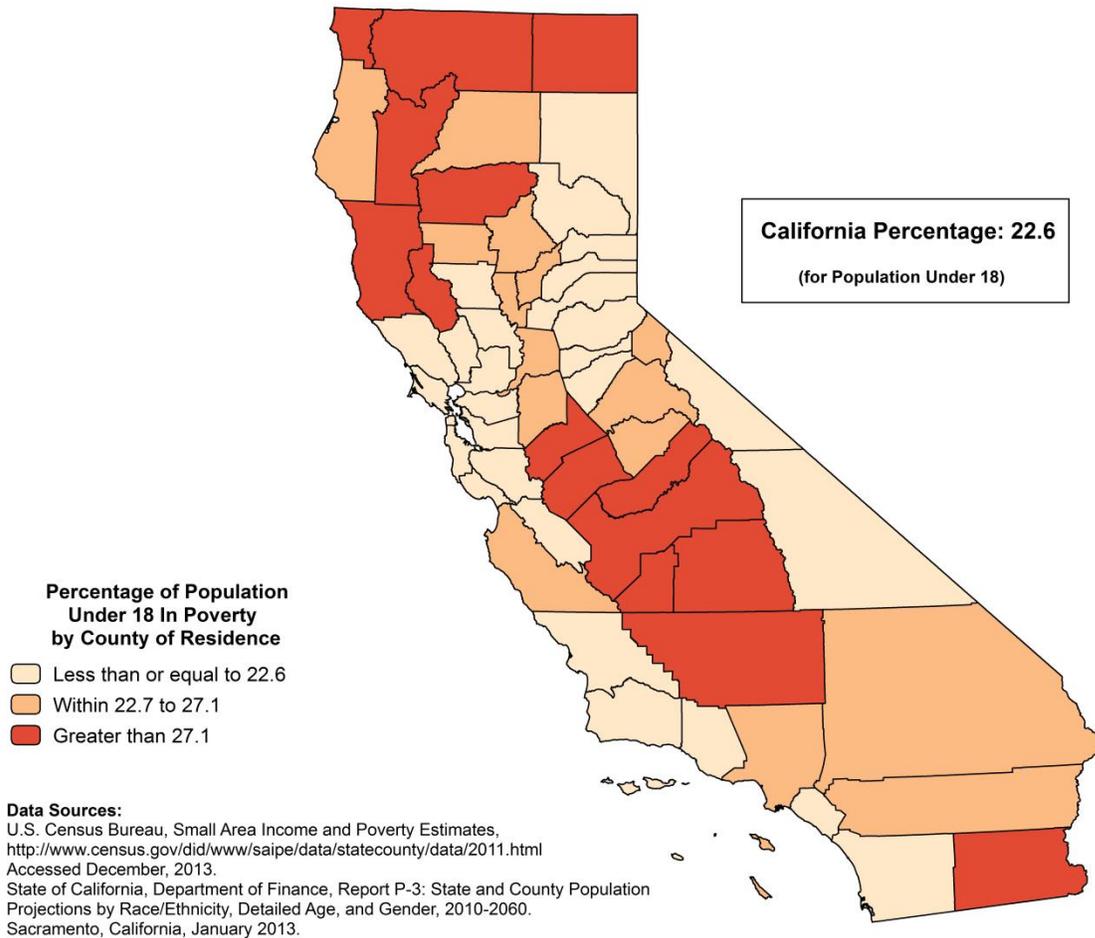
**TABLE 28
BREASTFEEDING INITIATION DURING EARLY POSTPARTUM
RANKED BY THREE YEAR AVERAGE BREASTFEEDING INITIATION PERCENTAGE
CALIFORNIA COUNTIES, 2010-2012**

RANK ORDER	COUNTY OF RESIDENCE	2010-2012 BIRTHS (AVERAGE) WITH KNOWN FEEDING METHOD			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	BREASTFED		LOWER	UPPER
			NUMBER	PERCENT		
1	MARIN	2,004.0	1,975.7	98.6	94.2	100.0
2	SANTA CRUZ	2,654.7	2,604.3	98.1	94.3	100.0
3	SONOMA	4,540.0	4,403.0	97.0	94.1	99.8
4	MONO	121.0	117.3	97.0	79.4	100.0
5	SAN MATEO	8,171.3	7,921.3	96.9	94.8	99.1
6	SIERRA	10.7	10.3	96.9 *	47.1	100.0
7	TRINITY	93.3	90.3	96.8	77.9	100.0
8	SAN LUIS OBISPO	2,338.0	2,260.7	96.7	92.7	100.0
9	NAPA	1,252.7	1,209.0	96.5	91.1	100.0
10	MONTEREY	5,658.7	5,461.0	96.5	93.9	99.1
11	NEVADA	659.0	635.7	96.5	89.0	100.0
12	ALAMEDA	16,400.3	15,796.0	96.3	94.8	97.8
13	SAN FRANCISCO	7,796.0	7,507.0	96.3	94.1	98.5
14	SANTA CLARA	20,731.0	19,935.3	96.2	94.8	97.5
15	INYO	184.3	176.7	95.8	81.7	100.0
16	SAN BENITO	592.7	567.3	95.7	87.8	100.0
17	EL DORADO	1,356.0	1,297.7	95.7	90.5	100.0
18	CONTRA COSTA	10,351.0	9,884.0	95.5	93.6	97.4
19	TUOLUMNE	403.3	384.7	95.4	85.8	100.0
20	SANTA BARBARA	4,975.3	4,737.0	95.2	92.5	97.9
21	MENDOCINO	945.3	899.7	95.2	89.0	100.0
22	YOLO	2,194.0	2,086.3	95.1	91.0	99.2
23	PLUMAS	108.7	103.3	95.1	76.8	100.0
24	PLACER	3,229.0	3,063.7	94.9	91.5	98.2
25	SAN DIEGO	34,525.3	32,750.0	94.9	93.8	95.9
26	VENTURA	9,398.3	8,911.7	94.8	92.9	96.8
27	HUMBOLDT	1,329.7	1,251.7	94.1	88.9	99.3
28	SHASTA	1,790.0	1,677.3	93.7	89.2	98.2
29	CALAVERAS	293.7	275.0	93.6	82.6	100.0
30	MARIPOSA	129.3	121.0	93.6	76.9	100.0
31	LASSEN	236.3	220.7	93.4	81.1	100.0
32	AMADOR	251.3	234.7	93.4	81.4	100.0
33	SOLANO	3,984.3	3,719.3	93.3	90.3	96.3
34	ORANGE	34,489.7	32,112.3	93.1	92.1	94.1
35	GLENN	363.0	336.3	92.7	82.8	100.0
	CALIFORNIA	435,939.3	399,368.7	91.6	91.3	91.9
36	TEHAMA	703.7	643.3	91.4	84.4	98.5
37	RIVERSIDE	26,173.0	23,914.0	91.4	90.2	92.5
38	LAKE	603.0	549.3	91.1	83.5	98.7
39	SISKIYOU	328.3	299.0	91.1	80.7	100.0
40	LOS ANGELES	116,534.0	105,700.7	90.7	90.2	91.3
41	BUTTE	2,130.0	1,930.7	90.6	86.6	94.7
42	MADERA	2,092.0	1,895.7	90.6	86.5	94.7
43	SACRAMENTO	17,415.7	15,698.3	90.1	88.7	91.5
44	MODOC	33.3	30.0	90.0	60.7	100.0
45	DEL NORTE	303.0	271.3	89.5	78.9	100.0
46	IMPERIAL	2,688.3	2,402.0	89.3	85.8	92.9
47	MERCED	3,728.3	3,301.7	88.6	85.5	91.6
48	SUTTER	1,139.3	1,007.7	88.4	83.0	93.9
49	COLUSA	260.7	228.3	87.6	76.2	99.0
50	SAN JOAQUIN	8,494.0	7,387.7	87.0	85.0	89.0
51	SAN BERNARDINO	26,076.7	22,552.0	86.5	85.4	87.6
52	STANISLAUS	6,793.3	5,863.7	86.3	84.1	88.5
53	YUBA	1,063.3	909.3	85.5	80.0	91.1
54	KERN	12,434.7	10,579.7	85.1	83.5	86.7
55	TULARE	7,121.0	5,995.3	84.2	82.1	86.3
56	FRESNO	14,357.3	11,940.0	83.2	81.7	84.7
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-21.1			81.9		
57	KINGS	1,901.3	1,529.0	80.4	76.4	84.4
58	ALPINE	3.7	2.7	72.7 *	13.1	100.0

* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by decreasing breastfed percentage (calculated to 15 decimal places), second by decreasing number of births.
Sources: California Department of Public Health, Center for Family Health, Genetic Disease Screening Program, Newborn Screening Data, 2010-2012.
California Department of Public Health, Center for Family Health, Maternal, Child and Adolescent Health Program.

PERSONS UNDER 18 IN POVERTY, 2011



Californians under 18 years of age living in poverty represent 22.6 percent of the population of persons under 18 years of age. This percentage is based on the U.S. Census Bureau, American Community Survey 2011 estimate of persons under 18 years of age, living in poverty, of 2,085,229 and a California Department of Finance corresponding population count of 9,214,425 as of July 1, 2011.

All counties demonstrated reliable percentages for persons less than 18 years of age in poverty. The percentages ranged from 35.6 in Merced County to 9.8 in Placer County and San Mateo County, a factor of 3.6 to 1.

A Healthy People 2020 National Objective for persons under 18 years of age in poverty has not been established.

Californians under 18 years of age in poverty was 21.8 percent for 2010.

**TABLE 29
PERSONS UNDER 18 IN POVERTY
RANKED BY PERCENTAGE OF CENSUS POPULATION UNDER 18 BELOW POVERTY
CALIFORNIA COUNTIES, 2011**

RANK ORDER	COUNTY OF RESIDENCE	UNDER 18			95% CONFIDENCE LIMITS	
		2011 POPULATION	IN POVERTY		LOWER	UPPER
			NUMBER	PERCENT		
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:				NONE		
1	SAN MATEO	160,750	15,751	9.8	9.6	10.0
2	PLACER	85,424	8,387	9.8	9.6	10.0
3	MARIN	51,983	5,618	10.8	10.5	11.1
4	SANTA CLARA	432,604	53,621	12.4	12.3	12.5
5	EL DORADO	40,109	5,309	13.2	12.9	13.6
6	CONTRA COSTA	258,003	37,692	14.6	14.5	14.8
7	SAN FRANCISCO	112,549	17,137	15.2	15.0	15.5
8	SONOMA	105,483	16,590	15.7	15.5	16.0
9	VENTURA	208,859	33,696	16.1	16.0	16.3
10	MONO	2,996	487	16.3	14.8	17.7
11	NAPA	31,219	5,150	16.5	16.0	16.9
12	ALAMEDA	341,530	56,573	16.6	16.4	16.7
13	SAN LUIS OBISPO	50,670	8,594	17.0	16.6	17.3
14	NEVADA	18,477	3,170	17.2	16.6	17.8
15	SAN BENITO	15,728	2,768	17.6	16.9	18.3
16	ORANGE	728,891	129,549	17.8	17.7	17.9
17	SANTA CRUZ	55,764	9,941	17.8	17.5	18.2
18	SOLANO	99,231	18,147	18.3	18.0	18.6
19	LASSEN	6,095	1,128	18.5	17.4	19.6
20	AMADOR	6,120	1,155	18.9	17.8	20.0
21	SAN DIEGO	723,802	137,647	19.0	18.9	19.1
22	SIERRA	508	99	19.5	15.8	23.7
23	COLUSA	6,264	1,229	19.6	18.5	20.7
24	CALAVERAS	8,594	1,701	19.8	18.9	20.7
25	YOLO	44,868	8,951	19.9	19.5	20.4
26	SANTA BARBARA	98,295	19,904	20.2	20.0	20.5
27	INYO	3,816	791	20.7	19.3	22.2
28	PLUMAS	3,503	753	21.5	20.0	23.0
	CALIFORNIA	9,214,425	2,085,229	22.6	22.6	22.7
29	RIVERSIDE	615,707	141,314	23.0	22.8	23.1
30	TUOLUMNE	9,458	2,238	23.7	22.7	24.6
31	MONTEREY	111,651	27,097	24.3	24.0	24.6
32	SUTTER	25,548	6,248	24.5	23.8	25.1
33	MARIPOSA	3,136	767	24.5	22.7	26.2
34	SHASTA	39,287	9,651	24.6	24.1	25.1
35	SACRAMENTO	360,838	89,099	24.7	24.5	24.9
36	SAN JOAQUIN	199,369	49,527	24.8	24.6	25.1
37	HUMBOLDT	26,890	6,797	25.3	24.7	25.9
38	ALPINE	239	61	25.6	19.6	32.8
39	LOS ANGELES	2,357,593	606,778	25.7	25.7	25.8
40	SAN BERNARDINO	587,130	152,754	26.0	25.9	26.1
41	GLENN	7,776	2,050	26.4	25.2	27.5
42	YUBA	20,727	5,565	26.8	26.1	27.6
43	BUTTE	46,265	12,426	26.9	26.4	27.3
44	TEHAMA	15,769	4,288	27.2	26.4	28.0
45	KINGS	41,508	12,386	29.8	29.3	30.4
46	MODOC	2,072	635	30.7	28.3	33.0
47	MENDOCINO	19,200	5,931	30.9	30.1	31.7
48	SISKIYOU	9,107	2,835	31.1	30.0	32.3
49	STANISLAUS	145,606	45,615	31.3	31.0	31.6
50	IMPERIAL	51,037	16,795	32.9	32.4	33.4
51	LAKE	13,319	4,399	33.0	32.1	34.0
52	MADERA	42,605	14,213	33.4	32.8	33.9
53	DEL NORTE	5,949	1,989	33.4	32.0	34.9
54	TRINITY	2,380	798	33.5	31.2	35.9
55	TULARE	143,355	48,335	33.7	33.4	34.0
56	KERN	252,109	87,025	34.5	34.3	34.7
57	FRESNO	276,363	97,470	35.3	35.0	35.5
58	MERCED	80,297	28,605	35.6	35.2	36.0

Note: Counties were rank ordered first by increasing percentage of persons under 18 in poverty (calculated to 15 decimal places), second by decreasing size of the same age group population.
Percentage based on the population under 18 years of age for which the poverty status was determined and excludes persons of unknown poverty status.
Sources: U.S. Census Bureau, Small Area Income and Poverty Estimates.
<http://www.census.gov/did/www/saipa/data/statecounty/data/2011.html> Accessed December, 2013.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013.

**TABLE 30
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS**

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ALL CANCERS (THREE-YEAR AVERAGES)		COLORECTAL CANCER (THREE-YEAR AVERAGES)		LUNG CANCER (THREE-YEAR AVERAGES)	
	2007-2009	2010-2012	2007-2009	2010-2012	2007-2009	2010-2012
CALIFORNIA	161.0	153.3	15.1	14.2	38.8	34.8
ALAMEDA	157.5	149.3	16.1	13.7	37.0	32.9
ALPINE	88.4 *	343.4 *	-	26.3 *	23.8 *	33.1 *
AMADOR	164.0	181.0	15.2 *	12.4 *	43.3	51.0
BUTTE	192.4	180.8	14.7	13.9	52.9	45.1
CALAVERAS	163.1	161.7	16.3 *	13.5 *	48.2	37.1
COLUSA	142.2	175.1	13.3 *	5.7 *	52.5 *	54.7 *
CONTRA COSTA	163.0	153.2	16.8	14.8	38.3	36.3
DEL NORTE	197.9	188.5	16.1 *	16.2 *	58.4 *	61.9
EL DORADO	167.3	148.7	12.9	13.8	41.5	32.4
FRESNO	160.3	149.6	13.8	13.5	39.2	35.3
GLENN	175.7	159.4	15.0 *	12.4 *	55.9 *	35.3 *
HUMBOLDT	192.6	176.2	17.1	15.1	50.3	42.8
IMPERIAL	138.4	135.8	9.9 *	13.7	29.3	28.2
INYO	138.5	132.9	16.9 *	14.7 *	38.0 *	40.2 *
KERN	172.9	157.0	14.5	13.8	47.5	40.6
KINGS	160.9	143.6	15.1 *	11.0 *	38.0	33.1
LAKE	197.3	195.9	16.1 *	16.7 *	63.5	55.1
LASSEN	115.7	128.8	7.8 *	11.2 *	32.7 *	34.1 *
LOS ANGELES	156.5	149.3	15.6	14.4	34.4	31.4
MADERA	153.9	148.6	19.0	13.7 *	35.6	38.5
MARIN	141.5	144.3	13.6	10.8	30.4	32.5
MARIPOSA	171.3	138.9	7.9 *	4.9 *	59.6 *	44.0 *
MENDOCINO	167.4	164.4	15.4 *	15.6 *	41.0	42.2
MERCED	160.6	161.1	15.5	18.0	44.9	39.5
MODOC	152.4	159.7	18.2 *	26.7 *	49.9 *	29.4 *
MONO	102.8 *	58.9 *	15.3 *	6.2 *	23.1 *	6.9 *
MONTEREY	139.9	146.2	11.4	10.6	31.6	33.8
NAPA	179.1	166.3	16.9	13.2	46.5	37.4
NEVADA	154.0	154.9	13.4	11.5 *	38.2	34.0
ORANGE	152.7	144.8	13.5	12.4	36.7	32.7
PLACER	171.1	153.3	14.0	11.9	42.0	33.1
PLUMAS	149.7	138.8	13.5 *	12.4 *	35.9 *	31.0 *
RIVERSIDE	164.6	157.0	16.2	16.2	41.1	37.6
SACRAMENTO	173.1	171.8	16.0	16.1	46.9	43.6
SAN BENITO	169.7	150.0	12.1 *	11.6 *	35.6 *	31.5 *
SAN BERNARDINO	172.1	167.0	16.6	17.8	42.0	38.8
SAN DIEGO	165.7	158.7	14.6	14.4	39.9	36.1
SAN FRANCISCO	155.3	148.9	14.7	15.5	37.5	34.7
SAN JOAQUIN	173.0	169.9	14.2	15.0	48.0	45.7
SAN LUIS OBISPO	159.6	150.2	12.6	13.0	40.6	33.5
SAN MATEO	152.0	142.9	15.4	12.8	35.2	31.4
SANTA BARBARA	154.6	141.8	12.3	13.2	35.5	29.2
SANTA CLARA	144.1	136.5	13.7	12.4	32.3	28.1
SANTA CRUZ	159.6	144.3	13.7	12.5	36.6	26.3
SHASTA	198.3	182.7	16.8	17.4	60.4	43.3
SIERRA	127.5 *	81.3 *	4.5 *	-	28.9 *	17.9 *
SISKIYOU	188.9	188.1	19.0 *	13.4 *	57.2	51.4
SOLANO	177.7	175.6	16.4	15.4	46.6	44.1
SONOMA	176.4	162.2	15.4	13.9	43.1	38.9
STANISLAUS	171.9	163.1	18.5	17.4	45.8	40.3
SUTTER	155.9	160.6	12.8 *	11.5 *	48.9	47.1
TEHAMA	205.8	188.4	15.8 *	18.5 *	60.6	53.0
TRINITY	202.1	178.8	13.3 *	10.1 *	72.8 *	50.2 *
TULARE	163.1	153.5	13.3	13.3	43.4	40.1
TUOLUMNE	165.8	156.5	14.3 *	16.3 *	47.2	34.9
VENTURA	155.2	141.4	15.6	13.0	36.2	28.8
YOLO	165.0	155.4	15.9	12.7	42.0	32.1
YUBA	205.4	182.6	17.9 *	15.3 *	76.9	50.4

* Rates and percentages are deemed unreliable based on fewer than 20 data elements.

- Rates and percentages are not calculated for zero events.

Note: Age-adjusted death rates are per 100,000 population and exclude multiple causes of death.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	FEMALE BREAST CANCER (THREE-YEAR AVERAGES)		PROSTATE CANCER (THREE-YEAR AVERAGES)		DIABETES (THREE-YEAR AVERAGES)	
	2007-2009	2010-2012	2007-2009	2010-2012	2007-2009	2010-2012
CALIFORNIA	22.1	20.9	22.7	20.5	21.2	20.4
ALAMEDA	21.4	21.0	24.9	20.3	21.8	20.7
ALPINE	-	-	89.3 *	-	23.8 *	20.9 *
AMADOR	25.0 *	32.2 *	17.4 *	23.6 *	10.6 *	6.4 *
BUTTE	26.1	23.0	30.2	24.6	16.4	17.3
CALAVERAS	24.5 *	23.6 *	27.6 *	21.1 *	16.4 *	15.4 *
COLUSA	14.0 *	26.2 *	16.4 *	19.5 *	9.3 *	10.5 *
CONTRA COSTA	22.8	22.2	22.5	21.3	17.9	16.7
DEL NORTE	18.5 *	21.3 *	23.9 *	23.3 *	20.7 *	15.4 *
EL DORADO	22.6	18.3	24.9 *	17.0 *	12.8	12.5
FRESNO	20.8	19.0	21.2	18.2	29.2	28.8
GLENN	16.2 *	20.2 *	26.2 *	9.9 *	26.7 *	29.3 *
HUMBOLDT	29.5	23.1 *	25.4 *	23.7 *	24.5	26.4
IMPERIAL	17.0 *	20.7 *	24.3 *	21.2 *	35.7	28.2
INYO	22.2 *	17.4 *	11.2 *	26.5 *	14.5 *	15.3 *
KERN	22.7	20.2	27.0	22.8	32.9	33.0
KINGS	24.8 *	21.0 *	24.4 *	21.3 *	34.4	28.6
LAKE	16.8 *	22.9 *	19.0 *	27.1 *	18.8 *	18.5 *
LASSEN	11.5 *	10.4 *	11.2 *	4.1 *	28.0 *	18.3 *
LOS ANGELES	22.4	21.4	23.0	20.3	24.1	22.5
MADERA	14.5 *	14.9 *	25.1 *	16.0 *	21.6	16.0
MARIN	19.3	19.2	21.8	16.3	8.9	8.9
MARIPOSA	29.1 *	10.0 *	36.9 *	15.0 *	18.0 *	12.5 *
MENDOCINO	27.9 *	20.6 *	24.4 *	15.2 *	14.3 *	17.0 *
MERCED	20.5	20.5	21.2 *	17.7 *	24.7	27.2
MODOC	18.3 *	27.2 *	14.8 *	11.3 *	19.0 *	10.2 *
MONO	25.6 *	3.1 *	9.9 *	9.7 *	6.0 *	7.9 *
MONTEREY	19.7	20.3	21.3	21.0	19.5	16.9
NAPA	18.6 *	19.4 *	22.9 *	22.1 *	21.6	13.4
NEVADA	22.4 *	16.8 *	19.1 *	28.1 *	11.9 *	10.2 *
ORANGE	20.9	19.5	21.3	19.1	14.6	14.9
PLACER	22.2	26.0	23.7	18.8	15.7	13.2
PLUMAS	29.6 *	8.8 *	33.7 *	7.6 *	17.1 *	12.3 *
RIVERSIDE	24.4	20.8	22.8	22.0	20.9	19.1
SACRAMENTO	21.7	22.0	22.5	20.7	20.0	21.1
SAN BENITO	25.7 *	19.5 *	6.0 *	39.0 *	17.0 *	18.1 *
SAN BERNARDINO	24.6	23.6	27.1	24.5	30.9	34.2
SAN DIEGO	23.0	21.6	23.7	22.4	19.1	19.5
SAN FRANCISCO	18.3	17.7	16.6	16.2	11.5	11.9
SAN JOAQUIN	22.4	21.5	21.2	22.3	32.5	28.4
SAN LUIS OBISPO	22.0	22.1	22.1	22.0	11.9	13.9
SAN MATEO	19.7	19.6	19.5	19.2	12.3	11.9
SANTA BARBARA	18.8	17.7	25.5	22.6	13.9	16.4
SANTA CLARA	19.6	17.8	16.9	17.1	23.4	22.2
SANTA CRUZ	25.2	24.1	19.0 *	20.2	17.5	14.0
SHASTA	21.1	23.3	25.7	23.4	13.3	16.7
SIERRA	10.1 *	8.3 *	12.7 *	40.4 *	-	15.4 *
SISKIYOU	23.6 *	28.0 *	29.6 *	24.8 *	22.0 *	20.5 *
SOLANO	22.6	23.4	25.1	23.8	29.4	24.1
SONOMA	25.3	24.8	25.9	19.1	16.7	16.7
STANISLAUS	24.4	18.6	24.6	19.6	23.7	21.0
SUTTER	20.2 *	16.9 *	23.6 *	21.9 *	16.7 *	19.3 *
TEHAMA	23.4 *	17.2 *	31.3 *	23.7 *	18.4 *	19.9 *
TRINITY	22.4 *	5.7 *	20.1 *	19.0 *	10.1 *	10.8 *
TULARE	20.4	19.2	21.7	22.3	28.1	22.6
TUOLUMNE	18.7 *	15.7 *	23.5 *	14.5 *	15.2 *	12.8 *
VENTURA	20.6	21.5	24.1	19.4	19.0	15.8
YOLO	23.4	15.8 *	21.8 *	19.8 *	19.2	22.1
YUBA	21.8 *	21.1 *	20.4 *	28.7 *	17.2 *	22.6 *

* Rates and percentages are deemed unreliable based on fewer than 20 data elements.

- Rates and percentages are not calculated for zero events.

Note: Age-adjusted death rates are per 100,000 population and exclude multiple causes of death.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ALZHEIMER'S DISEASE (THREE-YEAR AVERAGES)		CORONARY HEART DISEASE (THREE-YEAR AVERAGES)		CEREBROVASCULAR DISEASE (STROKE) (THREE-YEAR AVERAGES)	
	2007-2009	2010-2012	2007-2009	2010-2012	2007-2009	2010-2012
CALIFORNIA	28.1	30.5	122.9	106.2	40.2	36.6
ALAMEDA	21.6	26.7	100.2	80.8	42.0	38.0
ALPINE	-	-	57.7 *	24.3 *	-	12.2 *
AMADOR	26.1 *	30.3 *	110.2	102.5	36.6	33.1
BUTTE	33.2	42.8	137.3	105.3	44.3	44.4
CALAVERAS	12.6 *	15.1 *	110.6	100.6	27.6 *	32.2
COLUSA	21.9 *	29.5 *	106.5	99.3	25.8 *	45.7 *
CONTRA COSTA	32.1	31.3	86.7	77.9	43.2	38.8
DEL NORTE	14.8 *	23.8 *	120.2	105.2	52.3 *	45.6 *
EL DORADO	31.5	31.4	107.4	88.2	28.9	25.1
FRESNO	29.6	33.9	131.7	114.8	50.0	44.7
GLENN	21.1 *	21.1 *	111.1	111.0	31.8 *	29.8 *
HUMBOLDT	36.0	28.7	117.6	103.8	50.7	55.7
IMPERIAL	12.1 *	14.1	105.3	106.8	49.4	35.5
INYO	2.3 *	3.2 *	153.7	91.0	28.5 *	38.6 *
KERN	36.9	34.8	169.7	136.4	45.6	40.6
KINGS	17.9 *	40.3	125.2	111.3	44.0	37.6
LAKE	19.2 *	31.5	161.4	134.8	50.3	48.0
LASSEN	14.9 *	13.4 *	97.3	80.2	32.1 *	25.5 *
LOS ANGELES	23.6	25.1	144.7	124.9	38.3	35.4
MADERA	30.8	38.5	142.5	135.8	36.2	43.4
MARIN	30.8	36.4	70.3	64.2	33.4	27.5
MARIPOSA	14.7 *	28.1 *	105.6	107.7	32.8 *	44.2 *
MENDOCINO	16.2 *	17.4 *	134.1	105.5	38.1	33.5
MERCED	20.2	24.4	138.9	119.3	43.2	45.6
MODOC	20.0 *	10.1 *	91.2 *	141.0 *	34.2 *	52.0 *
MONO	4.2 *	15.3 *	50.1 *	64.0 *	1.6 *	25.5 *
MONTEREY	16.5	18.6	101.1	79.7	38.6	38.3
NAPA	32.0	30.5	95.5	87.6	40.7	38.0
NEVADA	17.5	32.8	102.2	93.7	38.6	36.3
ORANGE	31.5	35.7	115.5	99.2	37.9	34.7
PLACER	34.2	34.8	109.2	98.7	43.7	33.4
PLUMAS	18.8 *	16.1 *	76.9	100.6	24.7 *	29.8 *
RIVERSIDE	30.3	30.5	138.7	125.0	42.2	37.1
SACRAMENTO	26.4	26.3	127.6	110.0	44.4	40.3
SAN BENITO	14.1 *	11.5 *	71.0	62.6	33.8 *	41.4
SAN BERNARDINO	29.2	28.5	153.7	130.1	46.1	40.4
SAN DIEGO	36.6	36.6	109.1	96.1	37.8	32.5
SAN FRANCISCO	20.6	23.7	85.0	69.9	36.3	34.7
SAN JOAQUIN	28.2	41.8	152.5	117.9	45.8	44.8
SAN LUIS OBISPO	19.0	21.6	86.9	82.8	50.1	56.7
SAN MATEO	27.2	30.2	85.0	76.3	34.6	31.4
SANTA BARBARA	23.3	30.8	105.8	96.8	39.4	36.4
SANTA CLARA	37.7	39.1	88.7	73.6	31.2	26.5
SANTA CRUZ	26.1	36.0	101.6	83.9	36.4	32.7
SHASTA	26.6	42.2	138.3	116.9	46.9	47.0
SIERRA	5.6 *	14.8 *	129.5 *	109.0 *	30.8 *	45.6 *
SISKIYOU	18.4 *	24.0 *	115.9	99.2	42.4	45.1
SOLANO	45.1	48.5	100.3	81.2	43.7	37.0
SONOMA	35.7	39.5	99.9	94.9	47.0	37.8
STANISLAUS	35.0	39.6	162.8	153.3	46.5	42.8
SUTTER	26.6	25.5	137.0	117.3	38.0	43.7
TEHAMA	28.6	31.9	122.4	98.4	52.9	52.0
TRINITY	9.8 *	30.8 *	87.7 *	105.6	31.8 *	21.2 *
TULARE	13.2	23.4	136.7	137.3	48.8	48.8
TUOLUMNE	9.9 *	17.2 *	104.3	96.0	39.4	35.7
VENTURA	26.8	28.8	120.1	89.8	38.0	35.2
YOLO	34.7	41.1	88.9	72.8	43.3	40.1
YUBA	28.0 *	23.0 *	148.0	161.3	42.6	52.9

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- Rates and percentages are not calculated for zero events.

Note: Age-adjusted death rates are per 100,000 population and exclude multiple causes of death.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	INFLUENZA/PNEUMONIA (THREE-YEAR AVERAGES)		CHRONIC LOWER RESPIRATORY DISEASE (THREE-YEAR AVERAGES)		CHRONIC LIVER DISEASE AND CIRRHOSIS (THREE-YEAR AVERAGES)	
	2007-2009	2010-2012	2007-2009	2010-2012	2007-2009	2010-2012
CALIFORNIA	19.1	16.1	38.7	36.2	11.4	11.5
ALAMEDA	16.8	14.0	32.0	28.9	9.5	9.1
ALPINE	-	-	-	-	-	-
AMADOR	26.2 *	23.5 *	46.3	47.8	16.5 *	13.3 *
BUTTE	15.1	15.1	60.2	58.4	13.6	15.8
CALAVERAS	22.2 *	14.4 *	41.6	45.6	9.5 *	10.5 *
COLUSA	10.3 *	11.9 *	47.9 *	55.0 *	6.6 *	11.0 *
CONTRA COSTA	14.6	10.9	39.1	34.1	9.2	9.2
DEL NORTE	15.6 *	15.3 *	67.2 *	54.7 *	8.5 *	17.5 *
EL DORADO	12.3	12.7	40.7	41.3	9.4	10.4
FRESNO	23.9	21.5	40.4	35.7	13.1	15.1
GLENN	23.6 *	15.0 *	50.0 *	56.0 *	12.4 *	7.7 *
HUMBOLDT	12.6 *	11.6 *	60.3	56.7	16.6	16.3
IMPERIAL	14.0 *	11.2 *	29.4	19.6	15.0	15.3
INYO	11.4 *	8.3 *	49.8 *	48.5 *	27.3 *	15.6 *
KERN	23.1	18.9	71.7	62.3	12.8	12.7
KINGS	19.4 *	17.7 *	51.3	43.2	11.1 *	16.0
LAKE	22.1 *	20.7 *	64.2	69.3	23.6	23.2
LASSEN	5.7 *	14.7 *	52.5 *	25.6 *	7.5 *	8.8 *
LOS ANGELES	25.1	21.8	34.9	31.1	12.5	12.4
MADERA	20.0	15.9	44.8	43.8	14.5	14.9
MARIN	13.7	12.0	25.3	22.0	7.8	7.1
MARIPOSA	16.1 *	14.2 *	55.3 *	33.0 *	7.5 *	11.7 *
MENDOCINO	15.2 *	12.2 *	48.7	50.0	15.4 *	13.9 *
MERCED	16.2	15.6	47.3	44.3	12.4	14.5
MODOC	22.7 *	12.2 *	60.9 *	65.4 *	17.3 *	10.4 *
MONO	-	5.8 *	-	7.9 *	11.9 *	3.0 *
MONTEREY	12.0	11.3	32.8	29.9	10.2	10.2
NAPA	19.4	15.2	38.3	33.6	10.9 *	12.3 *
NEVADA	14.3	14.5	39.1	43.4	8.0 *	10.5 *
ORANGE	19.4	17.3	33.5	31.4	9.8	9.4
PLACER	12.9	14.0	39.8	37.3	7.0	9.2
PLUMAS	12.1 *	11.7 *	50.7 *	51.0 *	9.3 *	5.7 *
RIVERSIDE	14.1	11.7	48.6	46.1	10.2	11.8
SACRAMENTO	21.4	19.1	40.0	42.9	11.2	10.9
SAN BENITO	21.3 *	16.2 *	32.7 *	30.5 *	16.2 *	10.0 *
SAN BERNARDINO	16.3	12.0	57.2	56.1	12.9	13.1
SAN DIEGO	10.7	9.4	35.2	34.3	10.6	10.3
SAN FRANCISCO	21.2	14.6	24.1	21.2	8.4	8.3
SAN JOAQUIN	16.5	17.0	47.8	45.1	17.0	15.7
SAN LUIS OBISPO	12.4	9.1	36.7	37.3	11.0	12.1
SAN MATEO	23.9	17.5	29.1	25.8	10.7	9.0
SANTA BARBARA	12.9	11.9	32.5	25.6	11.4	12.5
SANTA CLARA	18.0	13.3	27.5	24.5	9.3	9.1
SANTA CRUZ	13.8	13.2	36.2	28.6	13.3	12.7
SHASTA	16.3	11.1	69.8	70.8	15.8	16.4
SIERRA	-	24.2 *	46.7 *	52.1 *	18.8 *	11.6 *
SISKIYOU	16.6 *	12.4 *	49.0	58.2	23.0 *	17.5 *
SOLANO	24.6	19.0	40.8	43.3	8.7	12.2
SONOMA	15.1	8.2	39.3	39.4	10.9	11.9
STANISLAUS	22.2	18.3	48.3	51.7	12.7	13.5
SUTTER	20.3 *	15.1 *	50.3	52.0	13.9 *	11.9 *
TEHAMA	24.1 *	12.3 *	71.5	74.0	18.9 *	19.5 *
TRINITY	23.8 *	8.5 *	51.7 *	31.4 *	20.4 *	23.2 *
TULARE	23.3	23.9	49.3	47.9	16.6	16.4
TUOLUMNE	19.4 *	14.5 *	37.0	41.5	11.0 *	16.6 *
VENTURA	12.9	9.9	37.1	32.5	9.7	10.3
YOLO	27.7	20.5	45.7	52.3	11.5	13.2
YUBA	22.2 *	21.4 *	59.8	66.6	17.7 *	13.9 *

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- Rates and percentages are not calculated for zero events.

Note: Age-adjusted death rates are per 100,000 population and exclude multiple causes of death.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ACCIDENTS (UNINTENTIONAL INJURIES) (THREE-YEAR AVERAGES)		MOTOR VEHICLE TRAFFIC CRASHES (THREE-YEAR AVERAGES)		SUICIDE (THREE-YEAR AVERAGES)	
	2007-2009	2010-2012	2007-2009	2010-2012	2007-2009	2010-2012
CALIFORNIA	29.9	27.3	9.5	7.3	10.0	10.1
ALAMEDA	26.3	20.9	6.1	4.3	8.9	8.6
ALPINE	-	92.8 *	-	42.9 *	50.8 *	-
AMADOR	54.1	51.7	19.7 *	14.3 *	19.8 *	26.9 *
BUTTE	58.7	66.2	15.4	13.7	17.1	17.3
CALAVERAS	57.2	43.7	26.9 *	20.1 *	16.5 *	28.3 *
COLUSA	30.4 *	38.1 *	16.7 *	19.8 *	14.8 *	13.5 *
CONTRA COSTA	27.1	25.1	7.9	5.5	10.3	10.8
DEL NORTE	75.3	56.7 *	28.8 *	23.0 *	10.6 *	23.3 *
EL DORADO	44.3	38.4	10.0 *	8.4 *	12.7	19.7
FRESNO	41.5	36.0	16.1	12.2	8.8	8.4
GLENN	59.4 *	49.9 *	17.5 *	12.4 *	7.5 *	7.1 *
HUMBOLDT	69.8	70.0	17.3	17.6	22.8	23.4
IMPERIAL	35.7	30.6	14.5	9.1 *	6.5 *	7.2 *
INYO	31.3 *	35.2 *	11.6 *	6.2 *	18.4 *	17.8 *
KERN	46.3	41.5	17.6	12.4	11.3	11.6
KINGS	41.2	37.5	18.1	14.1	8.8 *	7.9 *
LAKE	68.1	88.6	21.6 *	24.2 *	29.5 *	24.6 *
LASSEN	42.4 *	42.4 *	8.5 *	12.1 *	14.0 *	11.8 *
LOS ANGELES	22.7	19.5	7.9	6.2	7.7	7.7
MADERA	45.0	41.9	24.8	16.4	9.4 *	17.4
MARIN	20.8	27.2	4.2 *	3.0 *	13.2	12.9
MARIPOSA	50.6 *	45.0 *	23.4 *	18.1 *	21.9 *	25.7 *
MENDOCINO	56.0	51.2	19.8 *	16.5 *	25.1	19.2 *
MERCED	42.2	43.8	16.9	14.0	9.1	12.2
MODOC	80.5 *	74.7 *	14.7 *	26.3 *	15.7 *	21.4 *
MONO	12.6 *	27.3 *	3.9 *	13.8 *	4.8 *	9.1 *
MONTEREY	28.2	30.9	9.6	8.3	9.8	9.1
NAPA	30.0	29.6	9.7 *	8.4 *	10.4 *	12.7 *
NEVADA	37.4	40.1	13.4 *	13.4 *	19.9	19.0
ORANGE	24.1	20.9	6.4	4.6	9.0	9.4
PLACER	27.5	28.4	6.8	7.6	13.0	13.0
PLUMAS	47.8 *	54.9 *	9.1 *	10.5 *	13.2 *	18.4 *
RIVERSIDE	33.7	31.3	12.5	9.5	10.3	10.3
SACRAMENTO	36.1	31.6	9.4	8.2	12.0	12.6
SAN BENITO	25.3 *	32.1 *	11.3 *	10.9 *	8.9 *	8.9 *
SAN BERNARDINO	28.5	24.8	13.2	9.8	10.6	10.6
SAN DIEGO	31.1	30.4	8.7	6.3	11.7	11.8
SAN FRANCISCO	36.1	31.5	4.6	2.6	10.6	9.8
SAN JOAQUIN	42.2	41.8	13.1	10.7	10.4	10.9
SAN LUIS OBISPO	36.0	34.1	10.4	7.7	14.5	16.9
SAN MATEO	22.5	21.1	5.6	4.4	9.0	8.5
SANTA BARBARA	32.6	26.0	8.8	6.7	9.7	10.4
SANTA CLARA	23.9	22.9	6.3	5.1	8.5	8.1
SANTA CRUZ	32.2	32.6	9.3	4.8 *	13.0	13.4
SHASTA	63.5	60.3	13.5	13.4	21.0	22.6
SIERRA	10.3 *	41.1 *	4.5 *	-	5.9 *	25.1 *
SISKIYOU	62.5	67.6	20.9 *	19.6 *	30.5 *	22.2 *
SOLANO	29.6	27.6	10.6	7.2	10.1	12.3
SONOMA	30.8	26.2	9.3	5.2	12.8	12.8
STANISLAUS	41.5	38.1	13.0	12.0	11.3	10.7
SUTTER	41.5	42.2	18.9 *	14.7 *	12.9 *	12.2 *
TEHAMA	46.7	66.4	17.0 *	19.7 *	17.0 *	19.2 *
TRINITY	66.8 *	63.7 *	22.5 *	22.2 *	39.2 *	28.4 *
TULARE	39.6	33.7	18.2	13.4	10.3	10.6
TUOLUMNE	56.3	58.6	13.5 *	15.1 *	18.2 *	18.6 *
VENTURA	30.7	28.2	9.4	6.8	11.0	10.5
YOLO	27.0	30.9	7.8 *	8.5 *	10.0 *	8.9 *
YUBA	61.2	58.9	18.2 *	9.5 *	15.4 *	14.1 *

* Rates and percentages are deemed unreliable based on fewer than 20 data elements.

- Rates and percentages are not calculated for zero events.

Note: Age-adjusted death rates are per 100,000 population and exclude multiple causes of death.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	HOMICIDE (THREE-YEAR AVERAGES)		FIREARM-RELATED DEATHS (THREE-YEAR AVERAGES)		DRUG-INDUCED DEATHS (THREE-YEAR AVERAGES)	
	2007-2009	2010-2012	2007-2009	2010-2012	2007-2009	2010-2012
CALIFORNIA	5.9	5.2	8.4	7.7	11.1	10.8
ALAMEDA	9.6	8.5	11.1	10.1	10.9	8.8
ALPINE	-	-	50.8 *	-	-	-
AMADOR	1.7 *	4.0 *	11.9 *	15.7 *	21.2 *	25.4 *
BUTTE	4.7 *	4.5 *	11.0	11.0	31.4	37.1
CALAVERAS	3.5 *	1.0 *	11.4 *	16.7 *	19.7 *	29.1 *
COLUSA	6.3 *	6.7 *	13.0 *	12.9 *	4.3 *	4.4 *
CONTRA COSTA	10.3	7.3	13.4	10.3	10.2	10.6
DEL NORTE	6.8 *	9.3 *	6.2 *	19.4 *	16.5 *	9.1 *
EL DORADO	3.4 *	2.9 *	10.3 *	10.7	18.5	19.3
FRESNO	7.7	7.9	9.6	9.3	12.6	10.4
GLENN	3.5 *	1.2 *	9.7 *	7.8 *	22.9 *	18.2 *
HUMBOLDT	4.8 *	3.9 *	13.4 *	11.6 *	35.4	37.2
IMPERIAL	3.9 *	2.4 *	6.2 *	5.2 *	9.8 *	11.5 *
INYO	4.8 *	1.9 *	14.9 *	12.9 *	10.0 *	9.2 *
KERN	8.0	8.3	11.7	11.4	17.0	19.1
KINGS	4.5 *	6.0 *	6.3 *	4.9 *	8.7 *	8.8 *
LAKE	6.8 *	6.8 *	13.9 *	14.5 *	32.2	42.6
LASSEN	3.0 *	4.7 *	9.7 *	7.2 *	23.8 *	20.7 *
LOS ANGELES	7.9	6.0	9.2	7.4	7.7	6.7
MADERA	6.4 *	5.8 *	8.4 *	11.2 *	7.8 *	16.0
MARIN	2.4 *	1.2 *	4.5 *	5.3 *	13.0	11.3
MARIPOSA	0.9 *	3.1 *	12.5 *	18.4 *	13.5 *	17.6 *
MENDOCINO	6.6 *	5.8 *	17.1 *	14.7 *	20.5 *	14.4 *
MERCED	8.1	7.4 *	8.7	10.5	10.7	14.0
MODOC	-	14.2 *	15.7 *	30.5 *	36.2 *	28.2 *
MONO	-	-	2.6 *	7.1 *	-	11.6 *
MONTEREY	9.1	9.5	10.5	10.5	8.9	10.8
NAPA	1.5 *	1.2 *	4.9 *	7.0 *	9.4 *	11.3 *
NEVADA	1.3 *	3.1 *	13.2 *	12.0 *	14.3 *	15.1 *
ORANGE	2.6	2.2	4.8	4.8	10.3	10.0
PLACER	1.7 *	2.0 *	6.3	8.2	13.8	7.5
PLUMAS	4.2 *	2.9 *	11.4 *	12.3 *	25.0 *	34.0 *
RIVERSIDE	5.0	4.2	8.3	7.0	11.5	12.4
SACRAMENTO	6.5	6.0	9.1	9.4	17.3	14.3
SAN BENITO	5.6 *	4.7 *	8.1 *	5.4 *	6.6 *	9.6 *
SAN BERNARDINO	7.0	6.0	10.0	9.1	11.0	9.2
SAN DIEGO	3.2	2.9	6.5	6.0	12.1	12.6
SAN FRANCISCO	7.2	6.1	7.0	5.9	21.7	18.1
SAN JOAQUIN	7.8	12.0	10.2	14.1	17.1	18.4
SAN LUIS OBISPO	2.5 *	1.8 *	7.4	8.4	12.3	14.9
SAN MATEO	3.0	3.2	5.7	4.7	7.5	7.3
SANTA BARBARA	2.2 *	2.6 *	4.3 *	6.0	12.8	11.5
SANTA CLARA	2.8	2.8	4.3	4.3	7.0	7.5
SANTA CRUZ	2.3 *	4.5 *	6.1 *	8.1	12.0	18.8
SHASTA	3.8 *	3.7 *	12.6	13.9	32.1	28.2
SIERRA	-	-	11.7 *	8.2 *	-	41.1 *
SISKIYOU	5.2 *	5.1 *	23.9 *	16.8 *	16.9 *	25.2 *
SOLANO	8.8	8.9	11.6	12.0	10.2	11.6
SONOMA	2.5 *	2.4 *	7.0	6.7	12.9	12.7
STANISLAUS	5.8	6.9	9.1	9.6	16.2	16.6
SUTTER	4.1 *	5.6 *	8.2 *	10.7 *	13.9 *	15.6 *
TEHAMA	6.5 *	4.0 *	11.8 *	12.1 *	14.7 *	16.0 *
TRINITY	1.8 *	14.3 *	30.8 *	26.8 *	28.1 *	16.1 *
TULARE	8.8	7.7	12.4	11.2	7.6	8.2
TUOLUMNE	2.4 *	2.0 *	7.4 *	12.6 *	23.2 *	28.0 *
VENTURA	3.3	2.5	6.5	5.6	10.5	12.8
YOLO	2.0 *	1.7 *	5.3 *	3.6 *	8.3 *	10.6
YUBA	4.9 *	5.0 *	9.6 *	8.3 *	6.0 *	6.4 *

* Rates and percentages are deemed unreliable based on fewer than 20 data elements.

- Rates and percentages are not calculated for zero events.

Note: Age-adjusted death rates are per 100,000 population and exclude multiple causes of death.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	MORBIDITY RATE		MORBIDITY RATE		MORBIDITY RATE	
	REPORTED INCIDENCE OF AIDS (AGED 13 AND OVER) (THREE-YEAR AVERAGES)		REPORTED INCIDENCE OF CHLAMYDIA (THREE-YEAR AVERAGES)		REPORTED INCIDENCE OF FEMALE GONORRHEA AGES 15-44 (THREE-YEAR AVERAGES)	
	2007-2009	2010-2012	2007-2009	2010-2012	2007-2009	2010-2012
CALIFORNIA	11.9	8.6	397.8	434.5	144.6	139.6
ALAMEDA	17.9	10.6	465.8	441.0	275.1	212.0
ALPINE	-	-	55.2 *	89.4 *	-	-
AMADOR	1.0 *	2.0 *	202.5	173.4	35.7 *	51.1 *
BUTTE	3.2 *	1.2 *	323.9	383.5	100.1	74.4
CALAVERAS	-	0.8 *	83.1	146.2	21.1 *	48.5 *
COLUSA	2.0 *	2.0 *	108.6	142.6	24.8 *	-
CONTRA COSTA	9.4	6.7	342.5	381.3	217.2	232.7
DEL NORTE	5.5 *	1.4 *	137.7	163.8	30.3 *	15.8 *
EL DORADO	3.4 *	1.7 *	132.0	142.1	32.4 *	27.1 *
FRESNO	11.9	8.5	597.9	647.4	224.0	319.4
GLENN	1.5 *	1.5 *	207.4	241.8	57.2 *	76.3 *
HUMBOLDT	1.7 *	1.4 *	286.8	281.0	67.3 *	87.9
IMPERIAL	11.2 *	6.6 *	386.6	372.0	70.3	39.0 *
INYO	4.3 *	-	186.8	237.2	58.5 *	11.4 *
KERN	10.7	7.2	627.9	665.1	313.4	286.8
KINGS	3.0 *	3.6 *	351.3	364.2	135.1	55.6 *
LAKE	3.7 *	2.4 *	176.1	269.6	90.5 *	232.5
LASSEN	2.2 *	3.3 *	116.7	184.6	14.6 *	7.6 *
LOS ANGELES	16.5	12.7	468.3	506.1	172.4	162.8
MADERA	7.6 *	2.7 *	465.6	449.3	191.4	175.6
MARIN	9.9	4.5 *	209.6	213.3	55.9	59.8
MARIPOSA	2.1 *	6.3 *	88.8 *	100.1 *	38.0 *	13.2 *
MENDOCINO	5.4 *	0.9 *	252.1	332.7	53.2 *	78.2 *
MERCED	3.8 *	3.5 *	349.0	404.7	111.0	70.7
MODOC	-	-	110.8 *	55.8 *	136.5 *	-
MONO	2.8 *	-	156.3	191.1	12.5 *	12.0 *
MONTEREY	6.7	4.0 *	322.1	374.6	63.5	65.1
NAPA	5.1 *	4.9 *	176.3	224.8	32.4 *	47.1 *
NEVADA	2.0 *	1.5 *	131.7	156.9	31.8 *	40.7 *
ORANGE	7.9	5.9	277.8	270.4	47.2	54.1
PLACER	1.7 *	1.2 *	188.3	196.7	45.5	57.9
PLUMAS	1.9 *	-	227.5	257.3	34.1 *	-
RIVERSIDE	9.8	6.3	296.2	375.1	97.7	93.9
SACRAMENTO	6.9	6.7	532.1	602.8	312.3	330.5
SAN BENITO	4.6 *	0.7 *	267.1	362.2	68.0 *	90.0 *
SAN BERNARDINO	7.5	6.1	410.6	507.6	180.8	171.1
SAN DIEGO	14.0	10.0	448.6	504.4	112.3	93.8
SAN FRANCISCO	55.5	35.1	509.8	584.2	122.5	112.6
SAN JOAQUIN	8.5	5.6	522.2	532.4	271.8	248.6
SAN LUIS OBISPO	5.2 *	2.4 *	240.5	290.9	37.3 *	40.9
SAN MATEO	4.4	4.1	261.3	262.3	49.2	43.3
SANTA BARBARA	4.1 *	2.8 *	287.6	386.2	32.4	58.1
SANTA CLARA	8.4	7.7	318.6	308.8	76.9	69.6
SANTA CRUZ	4.7 *	2.9 *	254.7	297.6	47.1	57.3
SHASTA	2.5 *	0.9 *	248.7	296.3	67.2	145.5
SIERRA	-	-	101.5 *	74.2 *	75.0 *	85.8 *
SISKIYOU	1.7 *	5.2 *	191.7	176.8	39.3 *	45.7 *
SOLANO	10.2	5.5 *	479.4	452.0	211.7	237.0
SONOMA	8.7	5.2	188.0	281.6	33.8	50.5
STANISLAUS	7.3	3.2 *	366.2	375.8	133.9	87.4
SUTTER	2.7 *	1.3 *	227.2	245.5	44.6 *	76.9 *
TEHAMA	1.3 *	0.6 *	219.0	289.7	48.1 *	63.4 *
TRINITY	-	5.6 *	97.1 *	105.8 *	52.7 *	-
TULARE	2.7 *	4.0 *	394.3	405.0	114.8	56.7
TUOLUMNE	2.7 *	3.4 *	118.9	190.2	52.0 *	97.7 *
VENTURA	3.6	2.8 *	258.8	298.2	39.2	70.7
YOLO	3.0 *	1.8 *	271.1	298.2	50.8	51.6
YUBA	1.2 *	2.3 *	293.6	287.8	70.2 *	94.1 *

* Rates are deemed unreliable based on fewer than 20 data elements.

- Rates are not calculated for zero events.

Note: The morbidity rates are crude case rates per 100,000 population.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	MORBIDITY RATE		MORBIDITY RATE		MORTALITY RATE	
	REPORTED INCIDENCE OF MALE GONORRHEA AGES 15-44 (THREE-YEAR AVERAGES)		REPORTED INCIDENCE OF TUBERCULOSIS (THREE-YEAR AVERAGES)		INFANT MORTALITY ALL RACE/ETHNIC GROUPS (THREE-YEAR AVERAGES)	
	2007-2009	2010-2012	2007-2009	2010-2012	2006-2008	2009-2011
CALIFORNIA	160.2	186.6	7.1	6.1	5.3	4.9
ALAMEDA	270.1	241.0	10.1	10.1	4.4	4.5
ALPINE	-	-	-	-	-	-
AMADOR	25.9 *	18.8 *	-	1.8 *	5.8 *	2.4 *
BUTTE	85.5	52.6	1.2 *	0.9 *	6.8 *	4.9 *
CALAVERAS	25.1 *	20.3 *	2.2 *	1.5 *	1.7 *	6.9 *
COLUSA	22.9 *	15.0 *	1.6 *	7.8 *	1.8 *	6.0 *
CONTRA COSTA	135.8	150.1	5.7	4.6	4.0	5.0
DEL NORTE	9.0 *	-	1.2 *	-	8.7 *	7.7 *
EL DORADO	25.8 *	23.6 *	1.5 *	1.1 *	4.7 *	3.4 *
FRESNO	168.2	221.5	6.6	4.8	6.3	7.0
GLENN	24.0 *	42.0 *	3.6 *	4.7 *	5.9 *	5.6 *
HUMBOLDT	44.0 *	66.4 *	0.5 *	1.7 *	6.2 *	5.7 *
IMPERIAL	50.0	40.4 *	16.9	15.2	5.1 *	4.5 *
INYO	11.2 *	31.6 *	1.8 *	1.8 *	10.2 *	3.1 *
KERN	193.4	244.5	5.2	4.3	7.0	6.2
KINGS	68.2	39.8 *	3.3 *	3.3 *	5.9 *	6.0 *
LAKE	77.2 *	140.9 *	1.6 *	2.6 *	4.7 *	7.4 *
LASSEN	7.8 *	19.1 *	0.9 *	1.9 *	9.4 *	5.3 *
LOS ANGELES	213.6	272.2	8.3	7.1	5.4	4.9
MADERA	33.8 *	78.5	6.5 *	5.5 *	5.0 *	6.1 *
MARIN	84.8	85.6	4.8 *	5.0 *	3.0 *	3.0 *
MARIPOSA	11.4 *	38.0 *	-	-	8.9 *	-
MENDOCINO	34.4 *	36.3 *	3.8 *	1.5 *	8.5 *	6.8 *
MERCED	63.4	63.8	2.8 *	4.0 *	6.4	5.3
MODOC	86.5 *	21.6 *	-	-	7.9 *	10.3 *
MONO	9.7 *	10.0 *	-	-	13.2 *	4.5 *
MONTEREY	64.6	63.3	5.0	5.1	4.6	4.6
NAPA	30.0 *	37.8 *	4.5 *	3.6 *	5.5 *	5.1 *
NEVADA	21.2 *	25.3 *	1.0 *	0.7 *	3.2 *	5.6 *
ORANGE	74.1	96.8	7.0	6.8	4.8	4.0
PLACER	42.8	57.2	2.3 *	1.4 *	4.8 *	4.3 *
PLUMAS	32.8 *	45.4 *	-	-	1.9 *	8.2 *
RIVERSIDE	86.8	86.9	3.6	3.0	5.4	5.0
SACRAMENTO	264.4	265.5	7.5	4.7	5.8	5.4
SAN BENITO	40.2 *	70.2 *	0.6 *	2.4 *	4.3 *	5.8 *
SAN BERNARDINO	124.4	140.1	3.5	2.8	6.4	6.5
SAN DIEGO	153.8	182.3	8.4	7.7	5.0	4.4
SAN FRANCISCO	651.9	784.9	15.7	13.2	4.4	3.1
SAN JOAQUIN	227.8	197.5	9.5	6.4	6.2	6.0
SAN LUIS OBISPO	28.4 *	46.7	0.9 *	1.6 *	3.4 *	5.3 *
SAN MATEO	89.1	92.7	10.3	7.9	4.1	2.9
SANTA BARBARA	42.3	54.5	5.6	5.9	5.1	4.5
SANTA CLARA	84.0	98.4	12.0	10.1	3.8	3.3
SANTA CRUZ	50.5	62.2	3.2 *	3.4 *	4.7 *	3.0 *
SHASTA	47.1 *	107.8	1.3 *	0.6 *	5.4 *	6.3 *
SIERRA	-	77.1 *	-	-	16.7 *	-
SISKIYOU	23.4 *	65.3 *	-	-	3.3 *	7.2 *
SOLANO	144.5	153.0	7.5	5.7	6.1	5.5
SONOMA	41.2	63.9	2.2 *	2.5 *	3.9	4.7
STANISLAUS	131.9	79.8	3.7 *	2.1 *	6.3	5.3
SUTTER	51.7 *	49.7 *	2.9 *	4.9 *	5.1 *	4.6 *
TEHAMA	46.1 *	69.1 *	3.7 *	0.5 *	5.9 *	8.2 *
TRINITY	-	31.9 *	-	-	8.1 *	2.9 *
TULARE	90.3	57.4	6.3	4.3 *	6.3	5.0
TUOLUMNE	21.0 *	41.5 *	0.6 *	-	3.4 *	2.2 *
VENTURA	48.0	66.9	7.0	4.1	5.5	4.5
YOLO	65.4	67.5	4.9 *	2.3 *	4.2 *	3.0 *
YUBA	47.4 *	37.0 *	5.1 *	1.8 *	5.6 *	4.0 *

- Rates and percentages are not calculated for zero events.
* Rates and percentages are deemed unreliable based on fewer than 20 data elements.
Note: The morbidity rates are crude case rates per 100,000 population.
The infant mortality rates are per 1,000 live births.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	PERCENT		AGE-SPECIFIC BIRTH RATE		PERCENT	
	LOW BIRTHWEIGHT INFANTS (THREE-YEAR AVERAGES)		BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD (THREE-YEAR AVERAGES)		FIRST TRIMESTER PRENATAL CARE (THREE-YEAR AVERAGES)	
	2007-2009	2010-2012	2007-2009	2010-2012	2007-2009	2010-2012
CALIFORNIA	6.8	6.8	37.8	28.3	82.7	83.6
ALAMEDA	7.1	7.4	25.0	19.4	86.5	88.7
ALPINE	3.3 *	11.1 *	86.8 *	22.2 *	58.6 *	64.7 *
AMADOR	4.9 *	7.4	27.5	18.9 *	86.8	87.0
BUTTE	5.7	5.8	22.0	23.7	71.5	74.6
CALAVERAS	5.5	4.4 *	31.1	19.1	79.8	79.8
COLUSA	6.3	6.2 *	60.1	34.1	67.9	72.0
CONTRA COSTA	6.6	6.9	26.1	17.1	83.4	84.4
DEL NORTE	5.5 *	4.4 *	56.3	52.6	56.5	78.6
EL DORADO	6.1	6.3	22.4	12.8	79.7	78.6
FRESNO	7.5	7.7	56.7	46.4	87.8	88.3
GLENN	4.7	5.9	56.4	38.6	70.0	67.3
HUMBOLDT	5.6	5.2	24.7	24.1	78.5	79.8
IMPERIAL	6.4	5.6	67.6	50.4	60.2	55.7
INYO	8.9	8.5 *	49.7	32.4 *	76.9	79.2
KERN	7.2	7.0	68.0	53.2	75.3	75.9
KINGS	6.4	6.4	68.5	50.5	74.7	75.4
LAKE	5.4	6.4	49.8	38.5	69.1	68.4
LASSEN	5.6 *	6.8	38.9	34.3	74.5	75.7
LOS ANGELES	7.3	7.1	38.5	28.9	86.3	85.6
MADERA	6.4	6.6	65.1	49.5	74.1	74.8
MARIN	6.4	5.8	17.4	9.9	93.2	93.9
MARIPOSA	5.6 *	7.1 *	26.2 *	23.3 *	71.3	71.9
MENDOCINO	6.1	5.6	45.1	37.4	68.5	67.7
MERCED	6.6	6.8	53.1	41.4	62.7	63.3
MODOC	6.6 *	6.4 *	40.6 *	30.0 *	76.5	71.6
MONO	8.9 *	6.2 *	26.2 *	19.4 *	77.7	76.2
MONTEREY	5.7	5.8	56.4	44.5	75.8	72.3
NAPA	6.1	5.9	27.8	21.4	82.8	85.1
NEVADA	5.6	5.5	20.4	14.8	77.1	75.0
ORANGE	6.5	6.5	27.5	20.5	88.5	89.7
PLACER	5.9	5.9	18.2	11.6	84.2	85.3
PLUMAS	5.2 *	6.6 *	25.4 *	25.0 *	72.6	75.8
RIVERSIDE	6.6	6.4	43.4	28.5	83.2	84.7
SACRAMENTO	6.8	6.9	38.5	28.4	79.7	81.4
SAN BENITO	6.3	5.9	46.8	21.6	86.0	85.0
SAN BERNARDINO	7.1	7.2	49.6	35.6	81.4	83.1
SAN DIEGO	6.7	6.5	34.2	26.3	81.9	83.5
SAN FRANCISCO	7.1	7.0	15.5	12.6	85.8	88.5
SAN JOAQUIN	6.9	7.0	48.6	33.6	72.5	77.0
SAN LUIS OBISPO	6.1	5.5	16.0	15.9	78.2	80.4
SAN MATEO	6.7	6.8	25.0	15.2	88.1	90.2
SANTA BARBARA	6.0	5.9	31.6	29.4	74.3	75.0
SANTA CLARA	6.8	6.8	26.2	18.9	83.9	85.2
SANTA CRUZ	6.1	5.6	24.4	23.1	80.4	82.6
SHASTA	6.1	6.0	38.4	30.3	68.7	68.3
SIERRA	10.4 *	4.6 *	11.6 *	8.4 *	79.1 *	72.4 *
SISKIYOU	7.3	7.3	48.1	36.9	81.5	77.1
SOLANO	7.0	6.7	34.3	24.1	76.6	77.8
SONOMA	5.8	5.7	24.6	19.0	81.6	83.5
STANISLAUS	6.5	6.1	47.8	35.7	78.4	78.0
SUTTER	5.6	6.0	42.9	29.5	56.9	69.2
TEHAMA	5.4	6.2	53.1	35.7	66.2	70.2
TRINITY	5.6 *	4.5 *	46.3 *	38.7 *	60.9	56.2
TULARE	6.2	6.1	71.4	53.5	76.1	80.5
TUOLUMNE	4.3 *	4.4	31.5	16.0	78.9	81.9
VENTURA	6.4	6.3	38.3	26.9	79.5	82.2
YOLO	5.2	5.6	15.0	15.9	76.9	82.7
YUBA	6.2	5.6	52.8	41.0	58.9	69.8

* Rates and percentages are deemed unreliable based on fewer than 20 data elements.
Note: Age-specific birth rates are per 1,000 female population in the 15 to 19 year old age group.

**TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS**

COUNTY OF RESIDENCE	PERCENT	
	ADEQUATE/ADEQUATE PLUS PRENATAL CARE (THREE-YEAR AVERAGES)	
	2007-2009	2010-2012
CALIFORNIA	79.0	79.5
ALAMEDA	79.3	78.9
ALPINE	34.5 *	76.5 *
AMADOR	88.4	85.3
BUTTE	73.3	77.5
CALAVERAS	77.8	80.8
COLUSA	77.4	79.1
CONTRA COSTA	76.1	76.6
DEL NORTE	74.0	81.6
EL DORADO	73.7	78.8
FRESNO	84.9	89.6
GLENN	77.8	77.9
HUMBOLDT	75.2	77.5
IMPERIAL	59.5	58.1
INYO	69.1	78.9
KERN	69.7	72.8
KINGS	73.6	72.5
LAKE	69.8	66.3
LASSEN	72.1	64.9
LOS ANGELES	83.3	82.4
MADERA	69.1	68.7
MARIN	87.8	86.3
MARIPOSA	68.3	67.7
MENDOCINO	73.9	76.1
MERCED	59.4	61.6
MODOC	56.1	64.6
MONO	82.8	81.5
MONTEREY	74.1	71.8
NAPA	76.8	77.3
NEVADA	75.9	76.5
ORANGE	86.9	88.8
PLACER	79.4	83.4
PLUMAS	61.7	71.9
RIVERSIDE	77.5	81.5
SACRAMENTO	75.9	78.3
SAN BENITO	78.2	78.1
SAN BERNARDINO	75.7	76.3
SAN DIEGO	74.0	73.9
SAN FRANCISCO	81.6	80.7
SAN JOAQUIN	70.8	71.8
SAN LUIS OBISPO	83.4	86.6
SAN MATEO	84.2	84.2
SANTA BARBARA	77.5	81.4
SANTA CLARA	79.9	77.3
SANTA CRUZ	82.0	84.3
SHASTA	71.5	73.3
SIERRA	71.6 *	70.7 *
SISKIYOU	74.7	76.5
SOLANO	71.2	66.9
SONOMA	74.7	75.0
STANISLAUS	72.5	70.1
SUTTER	70.5	79.9
TEHAMA	72.6	75.0
TRINITY	54.2	64.3
TULARE	76.8	79.2
TUOLUMNE	77.1	81.1
VENTURA	81.0	82.3
YOLO	76.7	80.3
YUBA	68.2	78.8

* Rates and percentages are deemed unreliable based on fewer than 20 data elements.

TECHNICAL NOTES

DATA SOURCES

The Center for Health Statistics and Informatics, Vital Records, was the source for the birth and death data in this report. Data were tabulated from the Birth and Death Statistical Master Files for the years 2007 through 2012 and from the linked births-deaths in the Birth Cohort-Perinatal Outcome Files for the years 2006 through 2011, which are based on the Statistical Master Files. For additional information, please visit [Vital Statistics Data](#).

The [Division of Communicable Disease Control](#), [Sexually Transmitted Diseases Control Branch](#) and the [Tuberculosis Control Branch](#), were the sources for the reported case incidence of chlamydia, gonorrhea, and tuberculosis. The [Office of AIDS Surveillance Section](#), provided incidence data of diagnosed AIDS cases. The [Center for Family Health, Maternal, Child and Adolescent Health Program](#), prepared the breastfeeding initiation data, utilizing information collected by the [Genetic Disease Screening Program](#).

The [State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060](#). Sacramento, California, January 2013, provided by the Demographic Research Unit, were used in the development of the age-adjusted rates, crude case rates, and age-specific birth rates for the current period, 2010-2012. This represents the first application of these projections. Caution should be exercised when rate comparisons are constructed from different population data files.

The [State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000–2010](#). Sacramento, California, September 2012, provided by the Demographic Research Unit, was used in the development of the age-adjusted rates, crude case rates, and age-specific birth rates for the previous period, 2007-2009.

Estimates of persons under age 18 in poverty are obtained from the U.S. Census Bureau at <http://www.census.gov/did/www/saipe/data/statecounty/data/2011.html>.

Tables in this report may reflect small undercounts where case data were received late or vital event data were registered after the cutoff date for creation of the data files.

DATA DEFINITIONS

Mortality (Tables 1-19): Use of the consensus set of health status indicators has been facilitated by reference to the causes of mortality coded according to the ICD-10. Beginning with 1999 mortality data, the change to ICD-10 follows a worldwide standard created by the World Health Organization. Standards for ICD-10 implementation were set by the National Center for Health Statistics (NCHS).

A small number of non-traffic deaths have previously been reported along with traffic deaths in prior publication tables titled “Deaths Due to Motor Vehicle Crashes.” A non-traffic accident is any vehicle accident that occurs entirely in some place other than a public highway. An average of 122 non-traffic deaths during 2010 through 2012 was not included in Table 15, which was re-titled “Deaths Due to Motor Vehicle Traffic Crashes.” This change aligns the data for direct comparison with HP 2020 objectives.

Following is a list of the mortality tables in this report and the ICD-10 codes used to create these tables. The ICD-10 codes used to collect the mortality data for the tables, per Healthy People 2020 Objectives, where applicable, are current as of December 30, 2013.

Table 1:	All Causes of Death.....	A00-Y89
Table 2:	All Cancers	C00-C97
Table 3:	Colorectal Cancer.....	C18-C21, C26.0
Table 4:	Lung Cancer.....	C34
Table 5:	Female Breast Cancer.....	C50
Table 6:	Prostate Cancer.....	C61
Table 7:	Diabetes	E10-E14
Table 8:	Alzheimer’s Disease	G30
Table 9:	Coronary Heart Disease	I20-I25
Table 10:	Cerebrovascular Disease (Stroke).....	I60-I69
Table 11:	Influenza/Pneumonia.....	J09-J18
Table 12:	Chronic Lower Respiratory Disease	J40-J47
Table 13:	Chronic Liver Disease and Cirrhosis	K70, K73-K74
Table 14:	Accidents (Unintentional Injuries)	V01-X59, Y85-Y86
Table 15:	Motor Vehicle Traffic Crashes.....	V02-V04 (.1, .9), V09.2, V12-V14 (.3-.9), V19 (.4-.6), V20-V28 (.3-.9), V29-V79 (.4-.9), V80 (.3-.5), V81.1, V82.1, V83-V86 (.0-.3), V87 (.0-.8), V89.2
Table 16:	Suicide.....	U03, X60-X84, Y87.0
Table 17:	Homicide	U01-U02, X85-Y09, Y87.1
Table 18:	Firearm-Related Deaths	U01.4, W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0
Table 19:	Drug-Induced Deaths	D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, L10.5, L27.0, L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R78.1-R78.5, X40-X44, X60-X64, X85, Y10-Y14

Morbidity (Tables 20-23): In general, the case definition of a disease means laboratory test results, or in their absence, a constellation of clearly specified signs and symptoms that meet a series of clinical criteria. Centers for Disease Control and Prevention (CDC) online case definitions may be found at <http://www.cdc.gov//DiseasesConditions/>.

Due to incomplete reporting of infectious and communicable diseases by many health care providers, caution is advised in interpreting morbidity tables. Many factors contribute to the underreporting of these diseases. These factors include lack of awareness regarding disease surveillance; lack of follow-up by support staff assigned to report; failure to perform diagnostic lab tests to confirm or rule out infectious etiology; concern for anonymity of the client; and expedited treatment in lieu of waiting for laboratory results because of time or cost constraints. County designation depicts county of residence. Although table headings indicate the data shown are reported cases, please contact the Division of Communicable Disease Control and the Office of AIDS for complete morbidity reporting technical definitions and procedures.

Birth Cohort Infant Mortality (Tables 24A-24E): The infant mortality rate is the number of deaths among infants under one year of age per 1,000 live births. It is a universally accepted and easily understood indicator, which represents the overall health status of a community ([MacDorman and Mathews, 2008](#)).

Studies of infant mortality that are based on information from death certificates alone have been found to underestimate infant death rates for infants of all race/ethnic groups and especially for certain race/ethnic groups, due to problems such as confusion about event registration requirements, incomplete data, and transfers of newborns from one facility to another for medical care. Infant mortality rates in this report are based on linked birth and infant death records in the Birth Cohort-Perinatal Outcome Files, which generate more accurate estimates of the total number of infant deaths as well as more accurate race-specific infant mortality rates. The race used on the race-specific infant mortality tables reflected the race of the mother, thus the rate calculation's numerator and denominator reflect only the mother's race.

Because birth and death certificate registration data are included in the Birth Cohort-Perinatal Outcome Files after the Birth and Death Statistical Master Files have been closed to further processing and hospital follow-back is conducted to resolve questionable cases, cohort files cannot be as timely as the Statistical Master Files. However, the Birth Cohort-Perinatal Outcome Files are more complete and accurate.

Race/Ethnicity: Tables 24A-24E align with the 1997 Office of Management and Budget (OMB) revised minimum standards for collecting, maintaining, and presenting data on race and ethnicity as described in the 1997 OMB Directive 15, which may be reviewed at URL: http://www.whitehouse.gov/omb/fedreg_1997standards. The mother's Hispanic origin was determined first, irrespective of race, and then the race categories for the remaining non-Hispanics were determined. The Hispanic ethnic group includes any race, but is made up primarily of the White race. The remaining mother's race data were sorted as follows: two or more race groups (includes any combination of OMB race categories); American Indian/Alaska Native (includes Aleut, American Indian, and Eskimo); Asian/Pacific Islander (includes Asian Indian, Asian specified/unspecified, Cambodian, Chinese, Filipino, Guamanian, Hawaiian, Hmong, Japanese, Korean, Laotian, Samoan, Thai, Vietnamese, and Other Pacific Islander); Black (includes Blacks or African Americans); White (includes White and Other-specified); and Not Stated and

Unknown (includes data for mothers who declined to state their race or for whom the data were not obtainable for other reasons).

Table 24B Asian/Pacific Islander Infant Mortality rates should not be compared with the Asian/Other Infant Mortality rates in reports issued prior to 2005 because these data now exclude the Aleut, American Indian, and Eskimo statistics previously reported in this table that could impact rates for these small numbers. In contrast, while Table 24E White Infant Mortality now excludes data for the Not Stated and Unknown race groups included in previous reports, the relatively small number of these events in this large group may not substantially impact a county's rate. American Indian/Alaska Native and Not Stated/Unknown race groups are not shown independently due to unreliable rates, but are included in Table 24A Infant Mortality, All Race/Ethnic Groups.

Effective with the 2000 data year, California began collecting up to three races on birth and death certificates. To permit comparison with race data found in the Birth Cohort-Perinatal Outcome Files for the 1999 and prior data years, which identify only a single race for the mother, first listed race was used in reports issued 2003 through 2006. Race/ethnic groups in reports issued since 2007 are compiled using the multi-race (two or more races) indicator as stated above, thus slight reductions may occur in total numbers previously reported for single races. Since the two or more races group is currently very small, the impact of this change should be negligible.

Nativity (Tables 25-27B): The natality data were obtained from Birth Statistical Master Files for 2010 through 2012. Records with unknown attributes were excluded from the total number of live births in developing certain tables, as follows: Table 25 excludes unknown birthweights; Table 27A excludes unknown prenatal care; and Table 27B excludes unknown adequacy of prenatal care.

Low birthweight has been associated with negative birth outcomes, and may be an indicator of access problems and/or the need for prenatal care services. Prevalence of low birthweight is defined as the percentage of live births weighing less than 2,500 grams (approximately 5.5 pounds). Birth rates to adolescents are an indicator for other high-risk pregnancy factors ([Hamilton, Mathews, & Ventura, 2013](#)). Adolescent birth rate is defined as the number of births to mothers 15 to 19 years of age per 1,000 female population.

The prenatal care indicator, Month Prenatal Care Began, has been associated with access to care. However, the percentage of births in which the mother's prenatal care began in the first trimester, as a health indicator, does not readily permit an unambiguous interpretation. According to some researchers, it fails to document whether or not prenatal care actually continues throughout the pregnancy. Therefore, in addition to Prenatal Care Begun During The First Trimester of Pregnancy, this report includes adequacy of prenatal care based on the Adequacy of Prenatal Care Utilization Index. For further information on the Adequacy of Prenatal Care Utilization Index, see the "*American Journal of Public Health*" article by Kotelchuck listed in the bibliography.

In reports published in 1995 through 1998, the Kessner Index was used to measure the adequacy of prenatal care (Kessner, 1973). The Kessner Index was replaced in the 1999 report by the Adequacy of Prenatal Care Utilization Index, which is the methodology specified in HP 2020 Objectives.

The Adequacy of Prenatal Care Utilization Index developed by Milton Kotelchuck attempts to characterize prenatal care utilization in two independent and distinctive dimensions: adequacy of prenatal care initiation and services received (once prenatal care has begun). The initial dimension, adequacy of prenatal care initiation, characterizes the month prenatal care began and its timeliness. The second dimension, adequacy of received services, characterizes the number of prenatal care visits received from the time the mother began prenatal care until delivery. The adequacy of prenatal visits is based on the recommendations established by the American College of Obstetricians and Gynecologists. These two dimensions are then combined into a single summary prenatal care utilization index, which contains the following five categories for adequacy of prenatal care:

- (1) Adequate Plus: Prenatal care begun by the fourth month and 110 percent or more of the recommended visits received.
- (2) Adequate: Prenatal care begun by the fourth month and 80 to 109 percent of the recommended visits received.
- (3) Intermediate: Prenatal care begun by the fourth month and 50 to 79 percent of the recommended visits received.
- (4) Inadequate: Prenatal care begun after the fourth month, or less than 50 percent of the recommended visits received.
- (5) Missing Information: Unknown adequacy of prenatal care.

Only adequate and adequate plus prenatal care is used in Table 27B to measure the adequacy of prenatal care utilization. Also, please note the two-factor index does not assess the quality of the prenatal care that was delivered, but simply its utilization. For further information on the Adequacy of Prenatal Care Utilization Index, see the "*American Journal of Public Health*" article by Kotelchuck listed in the bibliography.

Breastfeeding Initiation During Early Postpartum (Table 28): The 2010 data serve as the new baseline for future comparisons and trends of in-hospital breastfeeding practices in California. The 2010 data should not be compared to data published in prior years (2004-2009) due to revisions to the Newborn Screening Program (NBS) data collection tool (NBS Form), as well as changes in the data analysis methodology during this time period.

The primary change, the exclusion of data for infants who were in a Neonatal Intensive Care Unit (NICU) nursery at the time of specimen collection, was done in order to better align with the new perinatal quality measure on exclusive breast milk feeding endorsed by the National Quality Forum, the Joint Commission and the Leapfrog Group. For additional information on the methods used to compute this indicator, visit the CDPH Breastfeeding Data webpage at: www.cdph.ca.gov/breastfeedingdata.

Extensive research demonstrates the diverse and compelling advantages to infants, mothers, families, and society from breastfeeding and the use of human milk for infant feeding. Breastfeeding provides advantages with regard to the general health, growth, and development of infants, while significantly decreasing their risk for a large number of acute and chronic diseases. There are also a number of studies that indicate possible health benefits for mothers, such as less postpartum bleeding, rapid uterine involution, and reduced risk of ovarian cancer and post-menopausal breast cancer. In addition to individual health benefits, breastfeeding provides significant social and economic benefits to the nation, including reduced health care costs and reduced employee

absenteeism for care attributable to child illness.

Breastfeeding initiation data are obtained from the Center for Family Health, Genetic Disease Screening Program, Newborn Screening Data with analyses by the Maternal, Child and Adolescent Health Program. All nonmilitary hospitals providing maternity services are required to complete the Newborn Screening Test Form prior to an infant's discharge. Analysis is limited to cases reported on the Newborn Screening Test Form [Version NBS-I (D) (12/08)].

Infant feeding data presented in this report include all feedings from birth to time of specimen collection, usually 24 to 48 hours. To complete the form, staff must select from the following three categories to describe all feeding since birth: (1) Only Human Milk; (2) Only Formula; and (3) Human Milk & Formula. In Table 28, the number for "BREASTFED" includes records marked 'Only Human Milk' or 'Human Milk & Formula'. The "TOTAL NUMBER" excludes data for infants who were in a Neonatal Intensive Care Unit (NICU) nursery or received Total Parenteral Nutrition (TPN) at the time of specimen collection. Also, excluded are cases with an unknown method of feeding. Statewide, for the 2010-2012 period, approximately 2.3 percent of cases have missing feeding information and/or receive TPN at the time of specimen collection. For this same period, approximately 0.6 percent of cases are missing maternal county of residence data.

Caution should be taken when analyzing breastfeeding initiation data alone because breastfeeding duration is not taken into consideration. Examination of breastfeeding initiation data along with duration data is recommended to thoroughly measure the effects of breastfeeding. Breastfeeding duration data are not presented in this report because county level duration data are not available.

In *Profiles 2014*, the Breastfeeding Initiation During Early Postpartum Percentage calculation resumes using a three-year format after a two-year absence. Three years of commensurable data are now available due to consistent comparison measurements.

Childhood Poverty (Table 29): Children under the age of 18 living in families with income at or below the poverty level define the category of population under 18 in poverty. The percent of children under 18 in this category is an indicator of global risk factors that have implications for accessibility to health services.

CRUDE RATES AND AGE-ADJUSTED RATES

Crude rates and age-adjusted rates are calculated for mortality data. The numerator data used to compute mortality rates and percentages were three-year averages compiled by county of residence of the decedent; mother's county of residence for birth data (including linked birth-death data for infant mortality); and county of residence for morbidity data. Three-year averages tend to reduce the year-to-year fluctuations and increase the stability of estimates.

A non-standardized rate (or "crude rate") is calculated by dividing the total number of events (e.g., deaths) by the total population at risk, then multiplying by a base (e.g., 100,000). Sub-populations such as counties with varying age compositions can have highly disparate crude death rates, since the risk of dying is primarily a function of age. Therefore, counties with a large component of elderly experience a higher death rate. The effect of different age compositions among counties or other demographic

groups can be removed from the death rates by the “age-adjustment” process. This produces age-adjusted rates that permit comparisons among geographic and demographic groups, which are directly comparable with those HP 2020 National Objectives that are expressed as age-adjusted rates.

Age-adjusted death rates are hypothetical rates obtained by calculating age-specific rates for each county and multiplying these rates by proportions of the same age categories in a "standard population," then summing the apportioned specific rates to a county total. The "standard population" used in the age-adjusted rates in this report is drawn from the 2000 U.S. Standard Population distribution that applies the same age groupings and proportions as those established by the National Center for Health Statistics for the Department of Health and Human Services. These age-adjusted rates put all counties on the same footing with respect to the effect of age and permit direct comparisons among counties and other national reports. It is important to understand that age-adjusted death rates should be viewed as constructs or index numbers rather than as actual measures of the risk of mortality. Crude death rates, which include the effect of age, are the rates that should be applied when measuring the actual risk of dying in a specific population. For further information on age-adjusted rates, see the National Center for Health Statistics (NCHS) report by Curtin and Klein on "Direct Standardization," listed in the bibliography.

Data for the morbidity tables were not age-adjusted due to the unavailability of the morbidity data by age. Hence, only crude case rates were calculated. Although age and aging do affect morbidity, the effect is not as prominent as their impact on mortality. Birth cohort infant death rates are not age-adjusted. Since the deaths are linked to the births on a record-by-record basis, these rates are based on a numerator (deaths) and a denominator (births) from the same record. Birth cohort comparisons among counties reflect the actual risk of dying within one year of birth, and concurrently, are unaffected by confounding age compositions because the cohorts represent the same age group (under one year).

RELIABILITY OF RATES

All vital statistics rates and morbidity rates are subject to random variation. This variation is inversely related to the number of events (e.g., deaths) used in calculating the rate. Small frequencies in the occurrence of events produce a greater likelihood that random fluctuations will be found within a specified time period. Rare events are relatively less stable in their occurrence from observation to observation. As a consequence, counties with only a few deaths, or a few cases of morbidity, can have highly unstable rates from year to year. The observation of zero events is especially hazardous, regardless of the population size. This report reduces some year-to-year fluctuation in the occurrence of rare events by basing rates on three-year average numbers of events (e.g., 2010-2012), divided by the population in the middle year (e.g., 2011).

The “standard error of a rate” and “coefficient of variation” or relative standard error (RSE) provided the rational basis for determining which rates may be considered “unreliable.” Conforming to [NCHS standards](#), rates that are calculated from fewer than 20 data elements, the equivalent of an RSE of 23 percent or more, are considered unreliable. When rates, percentages, and confidence limits are not calculated due to zero events, they are shown as dashes (-).

The 95 percent confidence limits depict the range within which the rate would probably occur in 95 of 100 sets of data (if data similar to the present set were independently acquired on 100 separate occasions). In five of those 100 data sets, the rate or percent would fall outside the limits. Confidence intervals based on 100 or more data elements are calculated utilizing a normal distribution. In cases where there are fewer than 100 data elements, the gamma distribution is used. For appropriate statistical methodologies in comparing independent rates or percentages, please see the NCHS reports listed in the bibliography by Curtin and Klein on “Direct Standardization” and by Kleinman on “Infant Mortality.”

RANKING OF COUNTIES

Data for each health indicator are displayed with the counties in rank order by increasing rates or percentages (calculated to 15 decimal places) with the exceptions of prenatal care begun during the first trimester of pregnancy (Table 27A), prenatal care adequacy (Table 27B) and breastfeeding initiation (Table 28). The county with the lowest rate or percentage is in the first rank moving down the column to the highest rate or percentage. Data for prenatal care begun during the first trimester of pregnancy, data for adequacy of prenatal care and data for breastfeeding initiation are displayed with the counties in rank order by decreasing percentages (calculated to 15 decimal places). The county possessing the highest percentage is in the first rank and the county with the lowest percentage is in the 58th rank. For all health indicators, counties with identical rates or percentages are ranked first by largest population or number of births.

COMPARISON OF RATES AND PERCENTAGES (TABLE 30)

Rates and percentages have been calculated for one prior period, which facilitates comparison between the earlier period, and the current reported statistics for selected health indicators. Readers are cautioned that measuring progress toward target attainment for a HP 2020 objective using only one data point is not recommended. HP 2020 provides basic formulas to measure progress toward achieving your target for the selected health outcome. These can be found here: <http://www.healthypeople.gov/2020/implement/MeasuringProgress.pdf>

THEMATIC MAPS

ArcGIS, version 10.1, ArcMap software was used to create the thematic maps. Mapped data were derived from the rates/percentages displayed in the column to the immediate left of the 95 percent confidence intervals in the adjacent table. Counties with no events or with rates or percentages based on fewer than 20 data elements are shown with an overlay of diagonal dashes.

The mapping methodology strives to illustrate rates/percentages for each indicator in a way that highlights a county’s status in meeting the HP 2020 Objective target, if one exists, and in comparison with the California rate. For example, a typical map for an indicator with an HP 2020 Objective, displays counties that achieved the target in the lightest shade, counties with a rate between the California rate and the target in the medium shade, and counties with a rate above the California rate in the darkest shade (see the Colorectal Cancer map and table on pages 7 and 8).

Rates or percentages for health indicators without established HP 2020 Objectives, or with HP 2020 data collection criteria that California was unable to meet, are mapped according to counties with rates/percentages at or below the California rate/percentage with the remaining counties above California's rate/percentage divided into two groups based on a calculated 50th percentile of the rates/percentages among those counties.

FORMULAS USED IN THIS REPORT

$$CDR = \left(\frac{{}_nD}{N_{pop}} \right) \times B$$

$$ADR = \sum W_a \left(\frac{{}_nD_a}{N_{pop_a}} \right) \times B$$

$$ASDR = \left(\frac{{}_nD_a}{N_{pop_a}} \right) \times B$$

$$SE_x = \left(\frac{CDR}{\sqrt{{}_nD}} \right)$$

$$SE_y = \sqrt{\sum \frac{(W_a \times ASDR)}{{}_nD_a}}^2$$

$$RSE_x = \left(\frac{SE_x}{CDR} \right) \times 100$$

$$RSE_y = \left(\frac{SE_y}{ADR} \right) \times 100$$

$$\text{Lower 95\% CL} = ADR - (1.96 \times SE_y) \quad \text{Upper 95\% CL} = ADR + (1.96 \times SE_y)$$

- Where:
- CDR = Crude Death Rate
 - ADR = Age-Adjusted Death Rate
 - ASDR = Age-Specific Death Rate
 - ${}_nD$ = Number of Deaths
 - N_{pop} = Population Size
 - ${}_nD_a$ = Number of Deaths in an Age Group
 - N_{pop_a} = Population Size in Same Age Group
 - B = Base (100,000)
 - W_a = Age-Specific Weight (Standard Population Proportion)
 - SE_x = Standard Error of a Crude Death Rate
 - RSE_x = Relative Standard Error of a Crude Death Rate
 - SE_y = Standard Error of an Age-Adjusted Death Rate
 - RSE_y = Relative Standard Error of an Age-Adjusted Death Rate
 - CL = Confidence Limit

Gamma Distribution Confidence Intervals

Lower 95% CL = Rate x GamInv (.025, Numerator of Rate)/ Numerator of Rate

Upper 95% CL = Rate x GamInv (.975, Numerator of Rate+1)/ Numerator of Rate

Where: Rate is CDR or ADR depending on which table is being calculated.

GamInv is the gamma inverse function as used in SAS.

PROCEDURE FOR CALCULATING AGE-ADJUSTED RATES BY THE DIRECT METHOD

Age-adjusted rates calculated in this report follow the procedure that was used to set the HP 2020 National Objectives. The standard population used the year 2000 U.S. population. The data in the following example were extracted from Table 1: Deaths Due to All Causes, 2010 through 2012 for Alameda County.

ALAMEDA COUNTY					
AGE GROUPS	2010-2012 DEATHS (AVERAGE) (A)	2011 POPULATION (B)	(A)/(B) x 100,000 (C)	2000 U.S. STANDARD POPULATION PROPORTIONS (D)	WEIGHTED RATE FACTORS (C)x(D) (E)
TOTAL	9,147.7	1,526,220.0	599.4		
Unknown	2.7				
<1	83.3	19,096.7	436.4	0.013818	6.0
1-4	13.0	78,028.8	16.7	0.055317	0.9
5-14	17.0	187,300.9	9.1	0.145565	1.3
15-24	116.7	207,658.1	56.2	0.138646	7.8
25-34	151.3	229,494.8	65.9	0.135573	8.9
35-44	257.3	228,021.0	112.9	0.162613	18.4
45-54	658.3	221,918.2	296.7	0.134834	40.0
55-64	1,250.7	180,893.4	691.4	0.087247	60.3
65-74	1,405.0	95,683.1	1,468.4	0.066037	97.0
75-84	2,077.3	52,561.8	3,952.2	0.044842	177.2
>84	3,115.0	25,563.4	12,185.4	0.015508	189.0
AGE-ADJUSTED RATE.....					606.8

- STEP 1:** Arrange the data for the three-year average number of deaths and population for 11 age groups in columns A and B.
- STEP 2:** Calculate age-specific rates by dividing the number of deaths in column A (numerator) by the population in column B (denominator). Multiply the result (quotient) by the base of 100,000 to obtain the rates in column C.
- STEP 3:** Multiply each age-specific rate in column C by the corresponding 2000 U.S. Standard Population proportion in column D and enter the result in column E.
- STEP 4:** The values for each age group in column E are summed to obtain the Age-Adjusted Death Rate for Alameda County of 606.8 per 100,000 population.
- STEP 5:** Repeat Steps 1 through 4 for each county and the statewide total. Note that the 2000 U.S. Standard Population proportions remain the same for each county and the State.

Direct comparisons can now be made among the counties, with the removal of the effect that varying county age compositions may have on death rates.

**APPENDIX A
CALIFORNIA'S HEALTH STATUS PROFILE FOR 2014**

MORTALITY

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2010-2012 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS		NATIONAL OBJECTIVE	AGE-ADJUSTED DEATH RATE PREVIOUS
					LOWER	UPPER		
	ALL CAUSES	238,203.3	634.0	641.5	638.9	644.1	a	677.4
C-1	ALL CANCERS	56,622.3	150.7	153.3	152.0	154.6	160.6	161.0
C-5	COLORECTAL CANCER	5,296.3	14.1	14.2	13.8	14.6	14.5	15.1
C-2	LUNG CANCER	12,678.0	33.7	34.8	34.2	35.5	45.5	38.8
C-3	FEMALE BREAST CANCER	4,311.7	22.8	20.9	20.3	21.5	20.6	22.1
C-7	PROSTATE CANCER	3,029.3	16.2	20.5	19.8	21.3	21.2	22.7
	DIABETES	7,519.0	20.0	20.4	19.9	20.9	b	21.2
	ALZHEIMER'S DISEASE	11,331.3	30.2	30.5	30.0	31.1	a	28.1
HDS-2	CORONARY HEART DISEASE	39,457.0	105.0	106.2	105.1	107.2	100.8	122.9
HDS-3	CEREBROVASCULAR DISEASE (STROKE)	13,479.7	35.9	36.6	36.0	37.3	33.8	40.2
	INFLUENZA/PNEUMONIA	5,948.3	15.8	16.1	15.7	16.5	a	19.1
	CHRONIC LOWER RESPIRATORY DISEASE	13,050.3	34.7	36.2	35.6	36.8	a	38.7
SA-11	CHRONIC LIVER DISEASE AND CIRRHOSIS	4,477.7	11.9	11.5	11.1	11.8	8.2	11.4
IVP-11	ACCIDENTS (UNINTENTIONAL INJURIES)	10,397.3	27.7	27.3	26.7	27.8	36.0	29.9
IVP-13.1	MOTOR VEHICLE TRAFFIC CRASHES	2,796.7	7.4	7.3	7.0	7.6	12.4	9.5
MHMD-1	SUICIDE	3,888.0	10.3	10.1	9.8	10.5	10.2	10.0
IVP-29	HOMICIDE	1,981.0	5.3	5.2	4.9	5.4	5.5	5.9
IVP-30	FIREARM-RELATED DEATHS	2,968.7	7.9	7.7	7.5	8.0	9.2	8.4
SA-12	DRUG-INDUCED DEATHS	4,203.7	11.2	10.8	10.5	11.1	11.3	11.1

MORBIDITY

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2010-2012 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS		NATIONAL OBJECTIVE	CRUDE CASE RATE PREVIOUS
				LOWER	UPPER		
HIV-4	AIDS INCIDENCE (AGE 13 AND OVER)	2,668.3	8.6	8.3	8.9	12.4	11.9
	CHLAMYDIA INCIDENCE	163,240.0	434.5	432.4	436.6	c	397.8
STD-6.1	GONORRHEA INCIDENCE FEMALE AGE 15-44	11,035.7	139.6	137.0	142.2	251.9	144.6
STD-6.2	GONORRHEA INCIDENCE MALE AGE 15-44	15,390.3	186.6	183.7	189.6	194.8	160.2
IID-29	TUBERCULOSIS INCIDENCE	2,279.7	6.1	5.8	6.3	1.0	7.1

INFANT MORTALITY

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2009-2011 DEATHS (AVERAGE)	BIRTH COHORT (BC) INFANT		95% CONFIDENCE LIMITS		NATIONAL OBJECTIVE	BC INFANT DEATH RATE PREVIOUS
			DEATH RATE		LOWER	UPPER		
MICH-1.3	INFANT MORTALITY: ALL RACES	2499.3	4.9		4.7	5.1	6.0	5.3
MICH-1.3	INFANT MORTALITY: ASIAN/PI	247.0	3.9		3.4	4.3	6.0	4.5
MICH-1.3	INFANT MORTALITY: BLACK	280.3	10.1		8.9	11.3	6.0	12.3
MICH-1.3	INFANT MORTALITY: HISPANIC	1222.3	4.7		4.5	5.0	6.0	5.2
MICH-1.3	INFANT MORTALITY: WHITE	570.3	4.1		3.7	4.4	6.0	4.6

NATALITY

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2010-2012 BIRTHS (AVERAGE)	PERCENT	95% CONFIDENCE LIMITS		NATIONAL OBJECTIVE	PERCENT PREVIOUS
				LOWER	UPPER		
MICH-8.1	LOW BIRTHWEIGHT INFANTS	34,144.0	6.8	6.7	6.8	7.8	6.8
MICH-10.1	FIRST TRIMESTER PRENATAL CARE	413,217.0	83.6	83.3	83.9	77.9	82.7
MICH-10.2	ADEQUATE/ADEQUATE PLUS PRENATAL CARE	388,867.7	79.5	79.3	79.8	77.6	79.0

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2010-2012 BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTH RATE	95% CONFIDENCE LIMITS		NATIONAL OBJECTIVE	AGE-SPECIFIC BIRTH RATE PREVIOUS
				LOWER	UPPER		
	BIRTHS TO MOTHERS AGED 15-19	38,792.0	28.3	28.1	28.6	a	37.8

BREASTFEEDING

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2010-2012 BIRTHS (AVERAGE)	PERCENT	95% CONFIDENCE LIMITS		NATIONAL OBJECTIVE	PERCENT PREVIOUS
				LOWER	UPPER		
MICH-21.1	BREASTFEEDING INITIATION	399,369	91.6	91.3	91.9	81.9	d

CENSUS

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2011 NUMBER	PERCENT	95% CONFIDENCE LIMITS		NATIONAL OBJECTIVE	PERCENT PREVIOUS
				LOWER	UPPER		
	PERSONS UNDER 18 IN POVERTY	2,085,229	22.6	22.6	22.7	a	21.8

- a** Healthy People 2020 (HP 2020) National Objective has not been established.
- b** National Objective is based on both underlying and contributing cause of death which requires use of multiple cause of death files.
- c** California's data exclude multiple-contributing causes of death.
- c** Prevalence data are not available in all California counties to evaluate the Healthy People 2020 National Objective STD-1, as the Health People objective is restricted to females who are 15-24 years old and identified at a family planning clinic, and males and females under 24 years old who participate in a national job-training program.
- d** Data not available.
- Note** Crude death rates, crude case rates, and age-adjusted death rates are per 100,000 population. Birth cohort infant death rates are per 1,000 live births. Age-specific birth rates are per 1,000 population. Previous refers to previous period rates. These periods vary by type of rate: Mortality 2007-2009, Morbidity 2007-2009, Infant Mortality 2006-2008, Natality 2007-2009, Census 2010.

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