

COUNTY HEALTH STATUS PROFILES 2013

20TH ANNIVERSARY EDITION
1993-2013

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH AND
CALIFORNIA CONFERENCE OF LOCAL HEALTH OFFICERS
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COUNTY HEALTH STATUS PROFILES 2013

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Health Information and Strategic Planning 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**: The Capitol in early spring.



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 2013** (*Profiles*) report, which is the twentieth anniversary edition. The *Profiles* 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 goals, as set forth in its **Healthy People 2020** report, which is released once each decade. The four overarching goals of the Healthy People 2020 report are: to achieve longer lives free of preventable diseases, eliminate health disparities, promote good health, and promote healthy behaviors across all life stages.

This annual *Profiles* report, which includes data years 2005-2011, reflects the first application of the Healthy People 2020 objectives. You will notice these objectives in some cases raise the standard of expectations that California should strive towards. Also of note is that the State of California, Department of Finance's, "*Race/Hispanics Population with Age and Gender Detail, 2000-2010*" data file released in September of 2012, shows a general population estimate reduction, which is another factor under consideration when evaluating a county's health progress. Please see the technical notes section of the *Profiles* report for further information.

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 an important tool to evaluate the health of Californians. The *Profiles* report is updated each year and amended according to priorities developed by the California Department of Public Health and the California Conference of Local Health Officers.

Ron Chapman, MD, MPH
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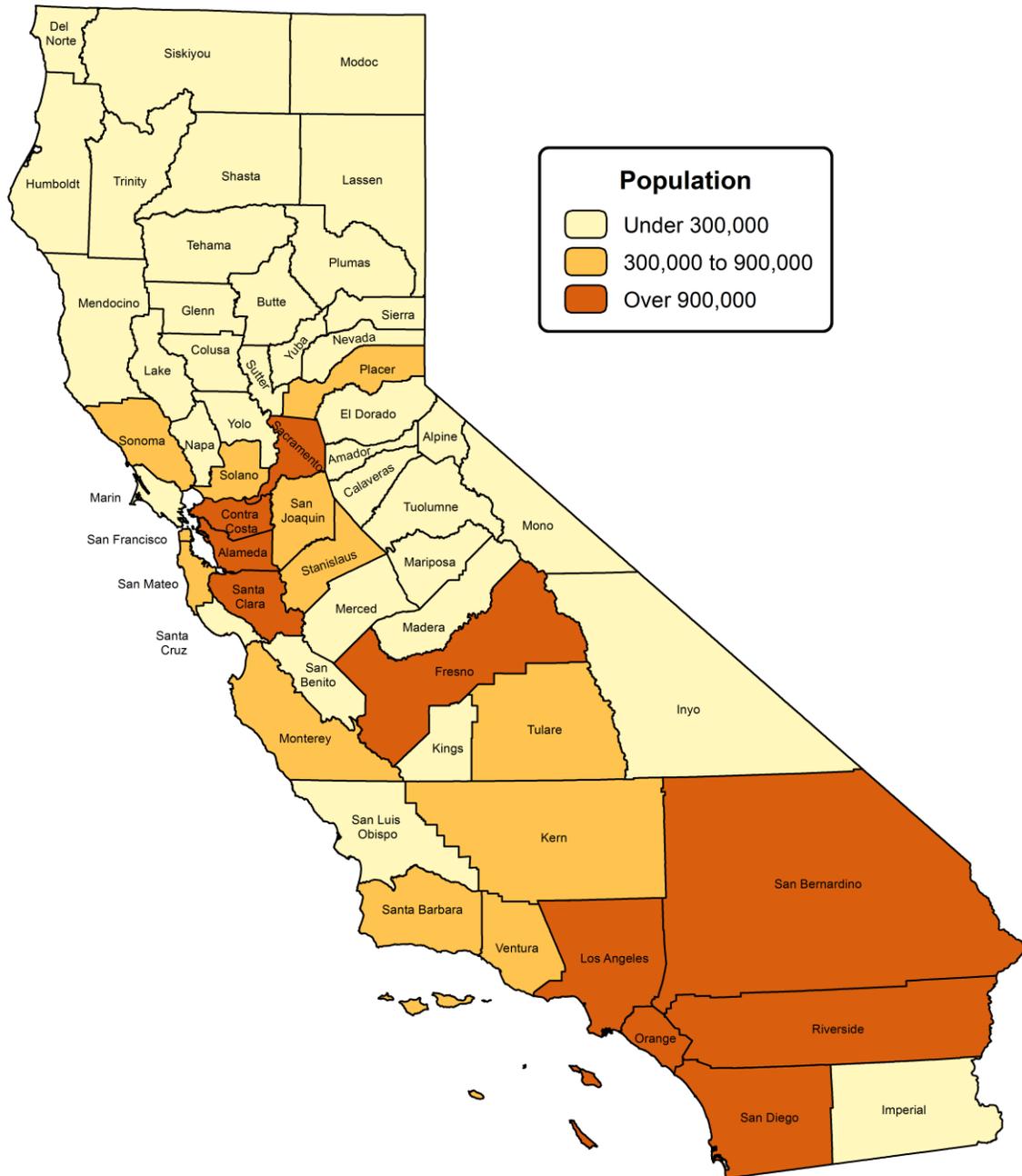
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CALIFORNIA COUNTIES

2010 STATEWIDE POPULATION: 37,318,481



State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000–2010. Sacramento, California, September 2012.

INTRODUCTION

County Health Status Profiles 2013 (Profiles 2013) has been published annually for the State of California since 1993. **Profiles 2013** is the twentieth anniversary edition of the publication. 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 and percentages for selected health indicators, the target rates established for Healthy People 2020 (HP 2020) National Objectives. **Profiles 2013** replaces the US rates column, which provided inconsistent data references, and in other cases, no available information, with mortality, morbidity, infant mortality, natality, breastfeeding and census (poverty) rates from the prior relevant period unless the data is not available or applicable. Breastfeeding rate comparison is limited to a one-year comparison, because of data availability. A one-year data comparison will continue for Persons Under 18 in Poverty, Table 29.

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. Please note, **Profiles 2013** applies HP 2020 Objective goal rates for the first time with the inclusion of 2011 data. For additional information on the HP 2020 recommendations, visit the Centers for Disease Control and Prevention (CDC) online at http://www.cdc.gov/nchs/healthy_people/hp2020.htm.

Profiles 2013 applies the updated California Department of Finance's population estimate figures dated September 14, 2012. Rates developed for the current period utilized the 2010 (mid-year) population figure as the denominator. The California overall population for 2010 was 4.6% lower than the previous estimate. The counties' population estimate changes ranged from a 16.2% decrease to a 0.9% percent increase, with 56 counties showing a decrease. The 2007 (mid-year) population estimate provided the denominator for the previous period rates. The overall California population for 2007 was 3.3% lower than the previous estimate. The counties' population estimates ranged from a 9.7% decrease to a 1.0% percent increase, with 54 counties showing a decrease.

This report contains vital statistics and morbidity tables that show the population, number of events, crude rates, and age-adjusted death rates (when applicable) or percentages by county of residence (except where noted). The tables include 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. 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.

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.

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 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. In addition, the Demographic Research Unit of the California Department of Finance provided 2010 race/ethnicity population estimates by county with age and sex detail. Estimates of persons under age 18 in poverty in 2010 are from the U.S. Census Bureau <http://www.census.gov/did/www/saipe/data/statecounty/data/2010.html>.

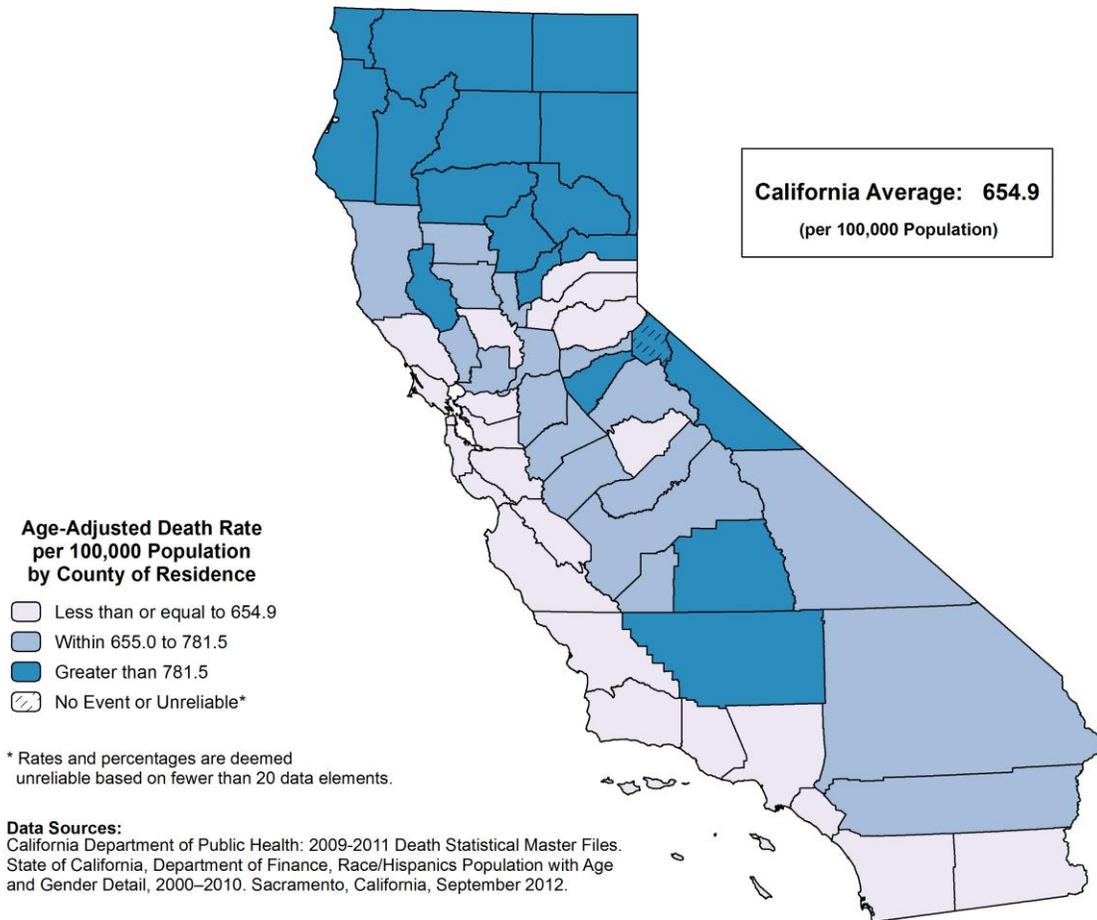
To access electronic copies of this report, visit the CDPH, Health Information and Strategic Planning, Public Health Policy and Research Branch site on the Internet at <http://www.cdph.ca.gov/programs/OHIR/Pages/CHSP.aspx>.

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 2012 are available on the CDPH website at: <http://www.cdph.ca.gov/programs/ohir/Pages/CHSPPriorReports.aspx>. 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, 2009-2011



The crude death rate from all causes for California was 628.7 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 159.0 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 234,637.7 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 1,233.7 in Lake County to 307.0 in Mono County, a factor of 4.0 to 1.

The age-adjusted death rate from all causes for California during the 2009 through 2011 three-year period was 654.9 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 989.2 in Lake County to 516.4 in Marin 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 2006-2008 period was 696.8.

**TABLE 1
DEATHS DUE TO ALL CAUSES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:						NONE	
1	MARIN	252,767	1,805.0	714.1	516.4	491.9	541.0
2	SANTA CLARA	1,787,553	9,004.7	503.7	537.8	526.6	549.0
3	SAN BENITO	55,350	269.3	486.6	577.0	507.0	647.1
4	ORANGE	3,017,089	17,283.7	572.9	579.1	570.4	587.8
5	SAN MATEO	719,582	4,565.0	634.4	584.2	567.1	601.3
6	SAN FRANCISCO	807,177	5,560.3	688.9	589.0	573.3	604.7
7	MONTEREY	415,825	2,298.0	552.6	590.4	566.0	614.8
8	SANTA BARBARA	424,291	2,836.3	668.5	601.9	579.3	624.4
9	VENTURA	825,378	4,997.3	605.5	602.9	586.0	619.8
10	PLACER	350,609	2,660.3	758.8	614.5	590.9	638.1
11	ALAMEDA	1,513,493	8,967.7	592.5	622.0	609.0	635.1
12	LOS ANGELES	9,827,070	57,414.3	584.2	629.1	623.9	634.2
13	CONTRA COSTA	1,052,192	6,975.0	662.9	629.8	614.8	644.8
14	SANTA CRUZ	263,174	1,655.0	628.9	630.2	599.0	661.5
15	MARIPOSA	18,119	160.7	886.7	631.4	528.2	734.7
16	SAN DIEGO	3,104,581	19,413.0	625.3	639.8	630.7	648.9
17	EL DORADO	181,183	1,327.0	732.4	642.8	607.4	678.2
18	IMPERIAL	175,594	940.0	535.3	649.3	607.0	691.6
19	NEVADA	98,484	908.7	922.7	649.3	605.0	693.6
20	SAN LUIS OBISPO	269,753	2,212.0	820.0	649.6	621.9	677.2
21	YOLO	200,995	1,134.7	564.5	651.5	613.0	690.1
22	SONOMA	484,258	3,835.7	792.1	653.4	632.2	674.5
	CALIFORNIA	37,318,481	234,637.7	628.7	654.9	652.2	657.6
23	NAPA	136,681	1,182.3	865.0	671.2	632.1	710.3
24	SOLANO	413,220	2,838.7	687.0	718.9	692.1	745.8
25	RIVERSIDE	2,191,800	14,126.0	644.5	722.1	710.1	734.2
26	INYO	18,627	199.7	1071.9	723.1	619.9	826.2
27	TUOLUMNE	54,961	586.0	1066.2	725.5	664.6	786.3
28	COLUSA	21,452	146.7	683.7	728.1	609.2	847.1
29	MERCED	256,386	1,479.3	577.0	730.2	692.6	767.9
30	MENDOCINO	87,939	801.0	910.9	734.0	681.6	786.3
31	KINGS	153,020	787.0	514.3	737.0	684.0	790.0
32	SACRAMENTO	1,420,447	10,087.0	710.1	739.0	724.4	753.5
33	AMADOR	37,907	423.3	1116.8	739.6	666.3	813.0
34	FRESNO	933,075	6,075.0	651.1	743.2	724.3	762.1
35	MADERA	151,160	990.0	654.9	748.1	700.9	795.4
36	SUTTER	94,800	728.7	768.6	754.4	699.3	809.4
37	SAN JOAQUIN	686,761	4,655.0	677.8	758.5	736.5	780.5
38	GLENN	28,188	224.0	794.7	772.0	670.0	874.1
39	STANISLAUS	515,311	3,601.3	698.9	772.8	747.3	798.2
40	SAN BERNARDINO	2,038,771	12,015.3	589.3	778.1	763.9	792.4
41	BUTTE	220,024	2,187.3	994.1	784.8	750.9	818.7
42	CALAVERAS	45,258	470.3	1039.2	787.2	711.5	862.8
43	TULARE	443,638	2,770.3	624.5	790.5	760.7	820.3
44	HUMBOLDT	134,575	1,204.7	895.2	809.6	762.9	856.3
45	TEHAMA	63,635	592.0	930.3	813.1	746.6	879.7
46	KERN	841,744	5,285.7	627.9	836.5	813.4	859.6
47	MONO	14,114	43.3	307.0	849.5	615.6	1142.9
48	LASSEN	34,730	235.3	677.6	854.7	742.1	967.3
49	SHASTA	177,480	1,989.7	1121.1	855.2	816.7	893.6
50	PLUMAS	19,993	225.7	1128.7	856.4	738.5	974.2
51	SISKIYOU	44,951	541.7	1205.0	860.1	784.4	935.9
52	MODOC	9,676	116.0	1198.8	861.7	699.7	1023.7
53	SIERRA	3,231	39.7	1227.7	868.8	619.7	1184.6
54	TRINITY	13,883	157.3	1133.3	870.9	725.7	1016.1
55	YUBA	72,336	526.7	728.1	893.5	815.4	971.6
56	DEL NORTE	28,577	278.0	972.8	917.6	808.1	1027.0
57	ALPINE	1,147	8.7	755.6 *	919.6 *	413.1	1766.3
58	LAKE	64,466	795.3	1233.7	989.2	918.2	1060.2

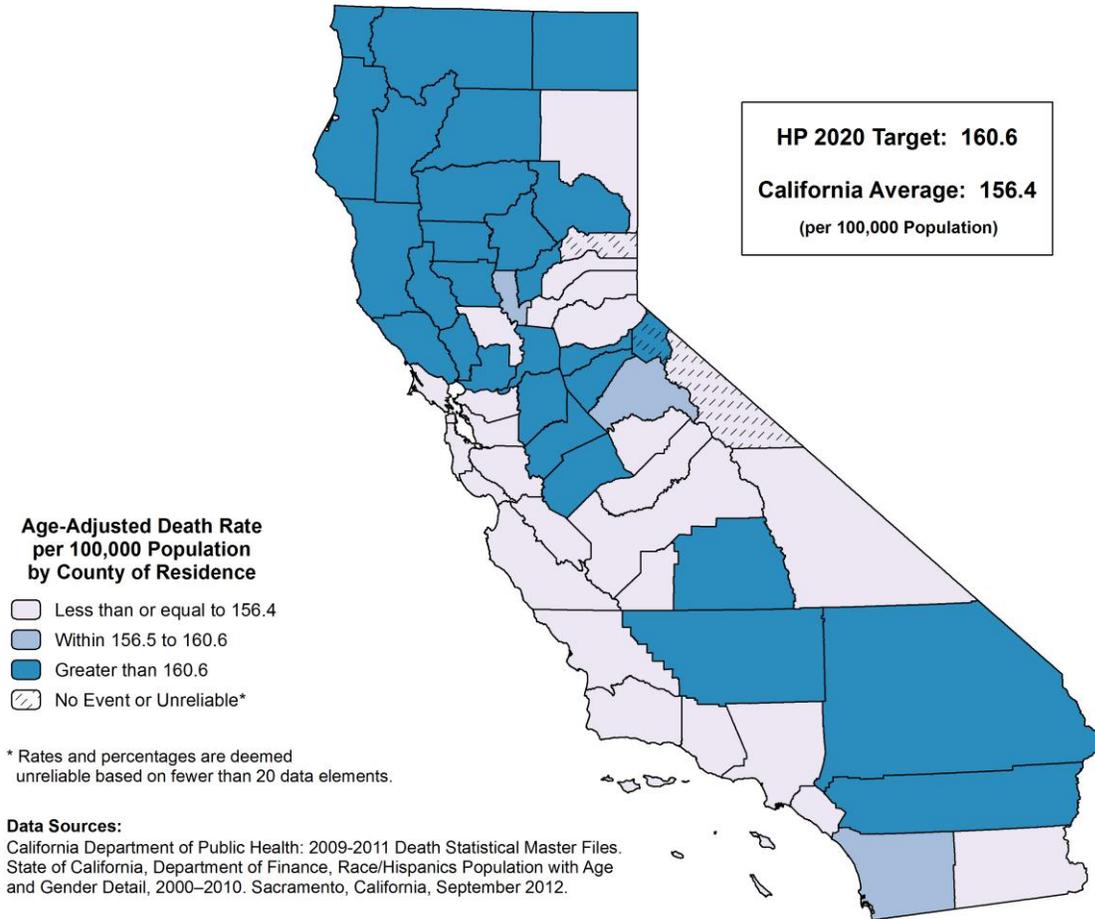
* Rates are deemed unreliable based on fewer than 20 data elements.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO ALL CANCERS, 2009-2011



The crude death rate from all cancers for California was 150.2 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 666.0 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 56,035.3 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 300.1 in Trinity County to 101.7 in Kings County, a factor of 3.0 to 1.

The age-adjusted death rate from all cancers for California during the 2009 through 2011 three-year period was 156.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 200.8 in Trinity County to 124.0 in Inyo County.

Twenty-eight 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 for the 2006-2008 period was 162.7.

**TABLE 2
DEATHS DUE TO ALL CANCERS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	SIERRA	3,231	5.0	154.8 *	91.2 *	29.6	212.8
2	INYO	18,627	35.3	189.7	124.0	86.5	172.2
3	IMPERIAL	175,594	207.0	117.9	138.1	119.0	157.3
4	MONO	14,114	8.0	56.7 *	138.8 *	59.9	273.6
5	SANTA CLARA	1,787,553	2,330.3	130.4	139.5	133.8	145.3
6	SANTA BARBARA	424,291	639.0	150.6	141.1	130.0	152.2
7	MARIN	252,767	487.0	192.7	143.0	130.0	156.0
8	KINGS	153,020	155.7	101.7	143.1	120.0	166.2
9	SANTA CRUZ	263,174	380.7	144.6	145.3	130.2	160.4
10	ORANGE	3,017,089	4,323.0	143.3	145.9	141.5	150.3
11	MONTEREY	415,825	555.0	133.5	146.4	134.1	158.7
12	VENTURA	825,378	1,220.0	147.8	148.6	140.2	157.0
13	MARIPOSA	18,119	41.3	228.1	148.9	107.0	201.8
14	SAN FRANCISCO	807,177	1,393.0	172.6	151.2	143.2	159.2
15	PLACER	350,609	660.3	188.3	152.0	140.3	163.7
16	LASSEN	34,730	43.0	123.8	152.1	110.1	204.9
17	ALAMEDA	1,513,493	2,199.3	145.3	153.0	146.5	159.5
18	LOS ANGELES	9,827,070	13,907.0	141.5	153.1	150.5	155.7
19	SAN BENITO	55,350	72.3	130.7	153.5	120.2	193.2
20	SAN LUIS OBISPO	269,753	521.0	193.1	153.9	140.5	167.3
21	SAN MATEO	719,582	1,193.7	165.9	153.9	145.1	162.7
22	FRESNO	933,075	1,244.7	133.4	154.4	145.7	163.0
23	YOLO	200,995	264.7	131.7	154.5	135.5	173.4
24	NEVADA	98,484	228.3	231.8	154.6	133.8	175.4
25	CONTRA COSTA	1,052,192	1,704.7	162.0	154.9	147.4	162.4
26	MADERA	151,160	215.0	142.2	155.0	134.0	176.0
27	EL DORADO	181,183	340.3	187.8	156.4	139.4	173.5
	CALIFORNIA	37,318,481	56,035.3	150.2	156.4	155.1	157.8
28	TUOLUMNE	54,961	134.3	244.4	157.0	129.9	184.1
29	SUTTER	94,800	155.0	163.5	158.6	133.5	183.7
30	SAN DIEGO	3,104,581	4,798.0	154.5	160.6	156.0	165.1
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE C-1					160.6	
31	TULARE	443,638	566.3	127.7	160.7	147.3	174.1
32	KERN	841,744	1,050.0	124.7	161.3	151.3	171.2
33	STANISLAUS	515,311	758.7	147.2	161.7	150.0	173.3
34	MERCED	256,386	330.3	128.8	162.3	144.6	180.0
35	RIVERSIDE	2,191,800	3,319.3	151.4	162.7	157.1	168.3
36	PLUMAS	19,993	48.0	240.1	165.1	121.8	218.9
37	SONOMA	484,258	960.0	198.2	167.4	156.6	178.2
38	SAN JOAQUIN	686,761	1,033.3	150.5	168.3	157.9	178.7
39	GLENN	28,188	51.0	180.9	168.9	125.8	222.1
40	SAN BERNARDINO	2,038,771	2,711.7	133.0	170.0	163.5	176.6
41	CALAVERAS	45,258	116.0	256.3	170.8	138.2	203.4
42	MENDOCINO	87,939	193.0	219.5	170.9	146.1	195.6
43	SACRAMENTO	1,420,447	2,346.3	165.2	172.6	165.5	179.6
44	AMADOR	37,907	103.3	272.6	172.7	138.5	206.9
45	COLUSA	21,452	35.3	164.7	173.8	121.3	241.4
46	SOLANO	413,220	717.0	173.5	177.0	163.8	190.2
47	MODOC	9,676	25.7	265.3	178.0	115.9	261.5
48	BUTTE	220,024	495.3	225.1	179.6	163.5	195.8
49	NAPA	136,681	306.0	223.9	180.3	159.7	200.8
50	HUMBOLDT	134,575	275.0	204.3	182.4	160.3	204.4
51	TEHAMA	63,635	143.0	224.7	185.5	154.7	216.3
52	LAKE	64,466	168.0	260.6	193.3	163.3	223.4
53	SISKIYOU	44,951	129.3	287.7	193.7	159.2	228.2
54	SHASTA	177,480	465.0	262.0	194.8	176.8	212.9
55	YUBA	72,336	119.0	164.5	196.0	160.0	231.9
56	DEL NORTE	28,577	63.3	221.6	197.1	151.5	252.0
57	TRINITY	13,883	41.7	300.1	200.8	144.5	271.7
58	ALPINE	1,147	2.3	203.4 *	298.8 *	45.4	992.4

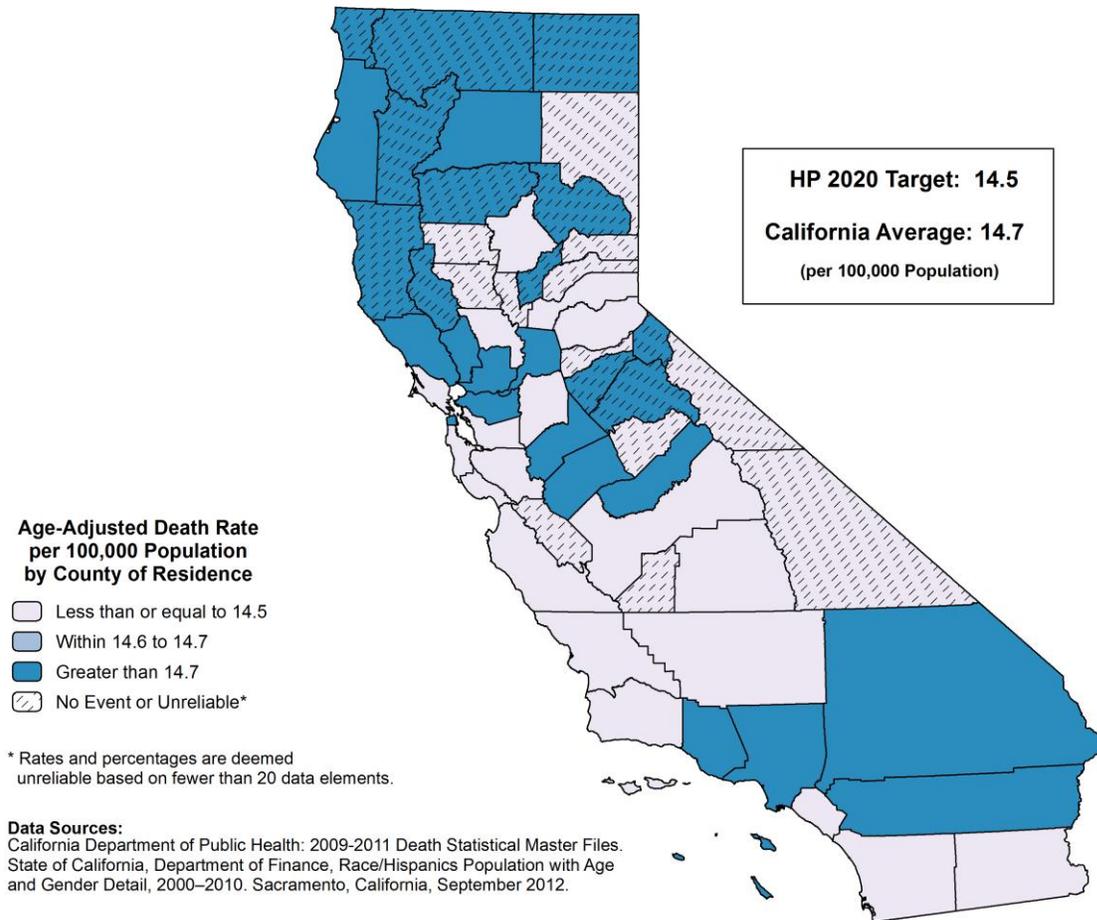
* Rates are deemed unreliable based on fewer than 20 data elements.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO COLORECTAL CANCER, 2009-2011



The crude death rate from colorectal cancer for California was 14.1 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 7,076.3 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 5,273.7 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 24.2 in Shasta County to 10.0 in Monterey County, a factor of 2.4 to 1.

The age-adjusted death rate from colorectal cancer for California during the 2009 through 2011 three-year period was 14.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 18.3 in Shasta County to 11.0 in Monterey County.

Nineteen counties with reliable age-adjusted death rates 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 eleven counties with unreliable rates and one county with no colorectal cancer deaths met the objective. The statewide age-adjusted death rate for colorectal cancer did not meet the national objective.

The California average age-adjusted death rate for the 2006-2008 period was 15.3.

**TABLE 3
DEATHS DUE TO COLORECTAL CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	SIERRA	3,231	0.0	-	-	-	-
2	MARIPOSA	18,119	1.7	9.2 *	5.3 *	0.5	21.1
3	MONO	14,114	0.3	2.4 *	7.2 *	0.0	94.5
4	KINGS	153,020	11.3	7.4 *	11.0 *	5.5	19.5
5	MONTEREY	415,825	41.7	10.0	11.0	7.9	14.9
6	SUTTER	94,800	11.0	11.6 *	11.2 *	5.6	20.1
7	COLUSA	21,452	2.3	10.9 *	11.3 *	1.7	37.5
8	SANTA BARBARA	424,291	52.3	12.3	11.4	8.5	14.9
9	GLENN	28,188	3.3	11.8 *	11.6 *	2.7	32.3
10	AMADOR	37,907	7.0	18.5 *	11.6 *	4.7	24.0
11	PLACER	350,609	53.0	15.1	12.3	9.2	16.1
12	ORANGE	3,017,089	372.3	12.3	12.4	11.1	13.7
13	SAN BENITO	55,350	5.3	9.6 *	12.5 *	4.3	28.5
14	MARIN	252,767	43.7	17.3	12.6	9.1	16.9
15	NEVADA	98,484	18.7	19.0 *	12.8 *	7.7	20.1
16	SANTA CRUZ	263,174	35.3	13.4	13.4	9.4	18.7
17	SANTA CLARA	1,787,553	228.3	12.8	13.5	11.7	15.3
18	KERN	841,744	88.0	10.5	13.6	10.9	16.8
19	INYO	18,627	3.7	19.7 *	13.7 *	3.5	36.5
20	EL DORADO	181,183	29.0	16.0	13.7	9.2	19.7
21	SAN LUIS OBISPO	269,753	46.7	17.3	13.7	10.1	18.3
22	FRESNO	933,075	111.7	12.0	13.8	11.2	16.4
23	IMPERIAL	175,594	21.0	12.0	14.0	8.7	21.4
24	LASSEN	34,730	3.7	10.6 *	14.0 *	3.5	37.3
25	BUTTE	220,024	40.7	18.5	14.0	10.1	19.1
26	ALAMEDA	1,513,493	204.3	13.5	14.1	12.1	16.1
27	SAN MATEO	719,582	110.7	15.4	14.1	11.5	16.8
28	SAN JOAQUIN	686,761	87.0	12.7	14.2	11.4	17.5
29	YOLO	200,995	24.7	12.3	14.2	9.2	21.1
30	SAN DIEGO	3,104,581	433.7	14.0	14.4	13.0	15.7
31	TULARE	443,638	51.0	11.5	14.5	10.8	19.1
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE C-5			14.5			
	CALIFORNIA	37,318,481	5,273.7	14.1	14.7	14.3	15.1
32	LOS ANGELES	9,827,070	1,360.3	13.8	14.9	14.1	15.7
33	VENTURA	825,378	125.0	15.1	14.9	12.3	17.5
34	SAN FRANCISCO	807,177	140.7	17.4	15.1	12.6	17.6
35	MENDOCINO	87,939	17.0	19.3 *	15.2 *	8.9	24.4
36	LAKE	64,466	12.7	19.6 *	15.3 *	8.1	26.3
37	CALAVERAS	45,258	9.7	21.4 *	15.5 *	7.3	28.7
38	SONOMA	484,258	90.7	18.7	15.5	12.5	19.0
39	SOLANO	413,220	63.3	15.3	15.6	12.0	20.0
40	CONTRA COSTA	1,052,192	174.7	16.6	15.7	13.3	18.0
41	SACRAMENTO	1,420,447	211.3	14.9	15.7	13.5	17.8
42	TUOLUMNE	54,961	13.0	23.7 *	15.8 *	8.4	27.1
43	MADERA	151,160	22.3	14.8	15.9	10.0	24.0
44	TRINITY	13,883	3.0	21.6 *	16.0 *	3.3	46.8
45	TEHAMA	63,635	12.7	19.9 *	16.0 *	8.4	27.6
46	PLUMAS	19,993	5.3	26.7 *	16.3 *	5.5	37.0
47	STANISLAUS	515,311	76.0	14.7	16.3	12.8	20.4
48	DEL NORTE	28,577	5.3	18.7 *	16.6 *	5.6	37.7
49	HUMBOLDT	134,575	25.0	18.6	16.8	10.9	24.9
50	SISKIYOU	44,951	10.7	23.7 *	16.9 *	8.3	30.5
51	RIVERSIDE	2,191,800	346.3	15.8	17.2	15.4	19.1
52	NAPA	136,681	29.3	21.5	17.5	11.8	25.1
53	MERCED	256,386	35.3	13.8	17.7	12.4	24.6
54	SAN BERNARDINO	2,038,771	282.0	13.8	17.9	15.8	20.1
55	YUBA	72,336	11.0	15.2 *	18.2 *	9.1	32.6
56	SHASTA	177,480	43.0	24.2	18.3	13.2	24.6
57	MODOC	9,676	4.3	44.8 *	28.0 *	8.2	69.4
58	ALPINE	1,147	0.3	29.1 *	29.3 *	0.0	382.8

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

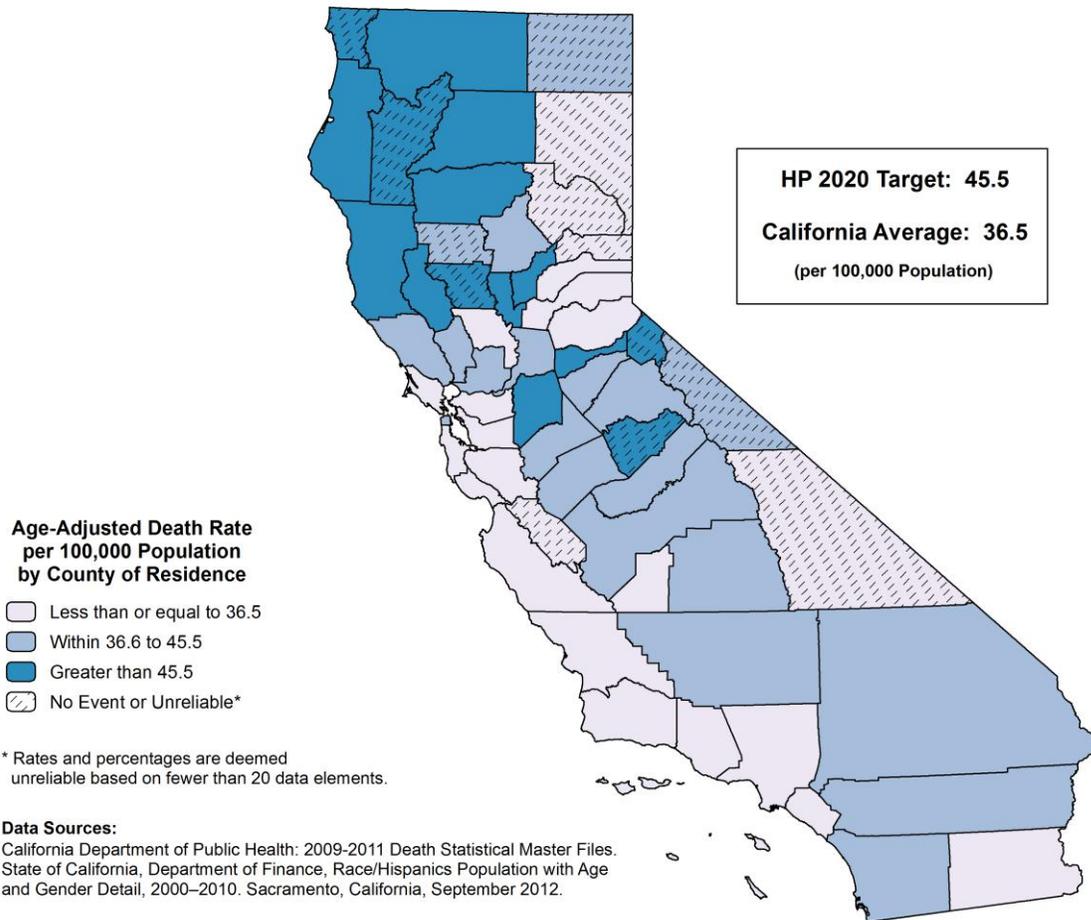
- Rates, percentages, and confidence limits are not calculated for zero events.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO LUNG CANCER, 2009-2011



The crude death rate from lung cancer for California was 34.5 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,898.8 persons. This rate was based on the 2009 through 2011 three-year average number of deaths equaling 12,873.7 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 84.5 in Siskiyou County to 23.5 in Imperial County, a factor of 3.6 to 1.

The age-adjusted death rate from lung cancer for California during the 2009 through 2011 three-year period was 36.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 61.6 in Yuba County to 27.5 in Imperial County.

Thirty-five 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 eight counties with unreliable rates met the objective.

The California average age-adjusted death rate for the 2006-2008 period was 39.7.

**TABLE 4
DEATHS DUE TO LUNG CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	SIERRA	3,231	1.3	41.3 *	24.2 *	1.3	111.6
2	IMPERIAL	175,594	41.3	23.5	27.5	19.7	37.2
3	SANTA CRUZ	263,174	70.7	26.9	28.1	21.9	35.4
4	SANTA CLARA	1,787,553	473.3	26.5	28.9	26.2	31.5
5	MARIN	252,767	108.3	42.9	32.0	25.9	38.2
6	VENTURA	825,378	260.0	31.5	32.1	28.2	36.1
7	SANTA BARBARA	424,291	143.3	33.8	32.3	27.0	37.6
8	SAN BENITO	55,350	15.3	27.7 *	32.4 *	18.3	53.2
9	LOS ANGELES	9,827,070	2,938.0	29.9	33.0	31.8	34.2
10	ORANGE	3,017,089	980.3	32.5	33.7	31.6	35.8
11	YOLO	200,995	57.3	28.5	33.7	25.6	43.6
12	SAN MATEO	719,582	267.3	37.2	34.8	30.6	39.0
13	KINGS	153,020	37.0	24.2	34.9	24.6	48.1
14	PLUMAS	19,993	10.7	53.4 *	35.1 *	17.3	63.4
15	EL DORADO	181,183	77.7	42.9	35.1	27.8	43.9
16	PLACER	350,609	154.0	43.9	35.4	29.7	41.0
17	INYO	18,627	10.0	53.7 *	35.4 *	17.0	65.2
18	MONTEREY	415,825	131.0	31.5	35.5	29.3	41.6
19	ALAMEDA	1,513,493	502.3	33.2	35.5	32.3	38.6
20	NEVADA	98,484	53.7	54.5	35.6	26.8	46.5
21	LASSEN	34,730	9.3	26.9 *	35.8 *	16.6	67.2
22	SAN LUIS OBISPO	269,753	121.3	45.0	35.9	29.4	42.3
23	CONTRA COSTA	1,052,192	387.7	36.8	36.2	32.6	39.9
	CALIFORNIA	37,318,481	12,873.7	34.5	36.5	35.8	37.1
24	FRESNO	933,075	287.7	30.8	36.7	32.4	40.9
25	SAN FRANCISCO	807,177	334.7	41.5	36.8	32.9	40.8
26	SAN DIEGO	3,104,581	1,091.7	35.2	37.2	35.0	39.4
27	MONO	14,114	2.0	14.2 *	39.4 *	4.8	142.4
28	RIVERSIDE	2,191,800	810.7	37.0	39.5	36.7	42.2
29	SAN BERNARDINO	2,038,771	625.3	30.7	40.3	37.0	43.5
30	SONOMA	484,258	229.0	47.3	40.6	35.2	46.0
31	KERN	841,744	259.7	30.8	40.7	35.6	45.7
32	MODOC	9,676	6.0	62.0 *	41.1 *	15.1	89.4
33	MADERA	151,160	57.0	37.7	41.4	31.4	53.7
34	MERCED	256,386	84.0	32.8	41.6	33.2	51.5
35	TUOLUMNE	54,961	37.0	67.3	41.6	29.3	57.4
36	STANISLAUS	515,311	194.7	37.8	41.8	35.9	47.7
37	GLENN	28,188	13.7	48.5 *	43.4 *	23.5	73.2
38	NAPA	136,681	72.3	52.9	43.4	34.0	54.6
39	SOLANO	413,220	175.7	42.5	43.5	37.0	50.1
40	TULARE	443,638	154.7	34.9	44.4	37.3	51.4
41	BUTTE	220,024	121.0	55.0	44.6	36.5	52.7
42	CALAVERAS	45,258	32.0	70.7	44.7	30.6	63.2
43	SACRAMENTO	1,420,447	601.7	42.4	44.8	41.2	48.4
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE C-2					45.5	
44	MENDOCINO	87,939	52.7	59.9	45.6	34.1	59.7
45	SAN JOAQUIN	686,761	282.3	41.1	47.0	41.4	52.5
46	HUMBOLDT	134,575	69.3	51.5	47.0	36.6	59.5
47	AMADOR	37,907	29.0	76.5	47.5	31.8	68.2
48	MARIPOSA	18,119	14.3	79.1 *	49.2 *	27.1	82.0
49	SHASTA	177,480	120.7	68.0	49.9	40.9	58.9
50	SUTTER	94,800	51.0	53.8	52.1	38.8	68.5
51	SISKIYOU	44,951	38.0	84.5	53.2	37.7	73.1
52	TEHAMA	63,635	41.3	65.0	53.4	38.4	72.3
53	ALPINE	1,147	1.0	87.2 *	54.7 *	1.4	305.0
54	LAKE	64,466	51.0	79.1	57.6	42.9	75.7
55	COLUSA	21,452	12.7	59.0 *	60.7 *	32.0	104.5
56	DEL NORTE	28,577	19.3	67.7 *	61.3 *	37.1	95.4
57	YUBA	72,336	36.7	50.7	61.6	43.3	85.0
58	TRINITY	13,883	12.7	91.2 *	62.6 *	33.0	107.8

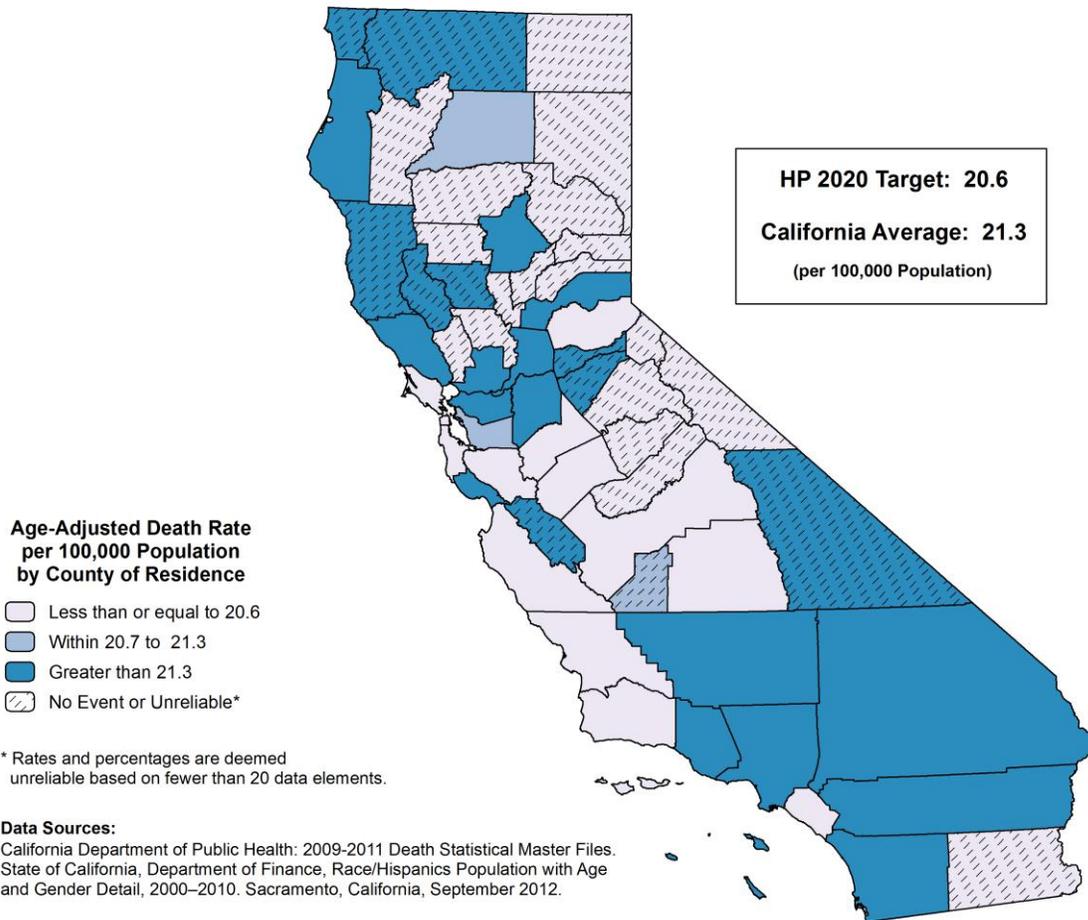
* Rates are deemed unreliable based on fewer than 20 data elements.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO FEMALE BREAST CANCER, 2009-2011



The crude death rate from female breast cancer for California was 22.8 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 4,386.4 females. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 4,285.7 and female population count of 18,798,821 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 33.6 in Butte County to 15.8 in Tulare County, a factor of 2.1 to 1.

The age-adjusted death rate from female breast cancer for California during the 2009 through 2011 three-year period was 21.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 26.0 in Butte County to 17.3 in San Francisco County.

Thirteen 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 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 the 2006-2008 period was 22.1.

**TABLE 5
DEATHS DUE TO FEMALE BREAST CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 FEMALE POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	555	0.0	-	-	-	-
2	MONO	6,695	0.7	10.0 *	7.0 *	0.0	52.7
3	SIERRA	1,589	0.3	21.0 *	8.2 *	0.0	107.8
4	LASSEN	12,264	1.7	13.6 *	8.9 *	0.8	35.8
5	MARIPOSA	8,934	1.7	18.7 *	10.6 *	0.9	42.4
6	MADERA	78,291	9.0	11.5 *	11.5 *	5.3	21.9
7	NEVADA	50,055	12.7	25.3 *	15.2 *	8.0	26.2
8	TEHAMA	31,970	7.0	21.9 *	17.1 *	6.9	35.1
9	PLUMAS	9,975	2.7	26.7 *	17.1 *	3.1	53.0
10	SAN FRANCISCO	398,392	86.7	21.8	17.3	13.8	21.3
11	SUTTER	47,804	9.3	19.5 *	17.7 *	8.2	33.2
12	TULARE	221,509	35.0	15.8	17.7	12.3	24.7
13	SANTA BARBARA	211,386	44.0	20.8	17.8	12.9	23.9
14	YOLO	102,944	17.0	16.5 *	17.9 *	10.4	28.6
15	MARIN	129,029	35.3	27.4	18.1	12.6	25.1
16	IMPERIAL	85,518	14.7	17.2 *	18.2 *	10.1	30.1
17	FRESNO	467,436	82.7	17.7	18.4	14.7	22.8
18	MONTEREY	202,151	38.7	19.1	18.6	13.2	25.4
19	MERCED	127,300	21.0	16.5	18.6	11.5	28.5
20	SANTA CLARA	892,757	177.7	19.9	18.7	16.0	21.5
21	TUOLUMNE	25,985	9.3	35.9 *	19.1 *	8.9	35.9
22	GLENN	13,954	3.0	21.5 *	19.4 *	4.0	56.6
23	MODOC	4,811	1.0	20.8 *	19.4 *	0.5	108.1
24	ORANGE	1,530,198	329.0	21.5	19.6	17.5	21.7
25	SAN MATEO	368,808	86.3	23.4	19.6	15.7	24.2
26	EL DORADO	90,557	23.0	25.4	19.7	12.5	29.5
27	YUBA	35,885	6.7	18.6 *	19.7 *	7.7	41.3
28	STANISLAUS	260,500	52.3	20.1	19.8	14.8	25.9
29	NAPA	68,647	18.0	26.2 *	19.8 *	11.7	31.3
30	TRINITY	6,718	1.7	24.8 *	20.2 *	1.8	81.0
31	SAN LUIS OBISPO	131,921	36.3	27.5	20.5	14.4	28.4
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE C-3					20.6		
32	KINGS	66,804	12.0	18.0 *	21.1 *	10.9	36.9
33	ALAMEDA	773,407	173.3	22.4	21.1	17.9	24.3
34	SHASTA	90,224	27.7	30.7	21.3	14.1	30.8
	CALIFORNIA	18,798,821	4,285.7	22.8	21.3	20.6	21.9
35	CONTRA COSTA	540,405	133.0	24.6	21.4	17.7	25.1
36	SACRAMENTO	725,770	168.7	23.2	21.7	18.4	25.0
37	VENTURA	416,347	100.7	24.2	21.7	17.4	26.0
38	SAN BENITO	27,732	6.0	21.6 *	21.8 *	8.0	47.4
39	LOS ANGELES	4,990,693	1,140.7	22.9	21.9	20.6	23.2
40	RIVERSIDE	1,100,978	246.7	22.4	22.1	19.3	24.8
41	SAN DIEGO	1,548,552	372.0	24.0	22.4	20.1	24.7
42	KERN	407,231	81.0	19.9	22.5	17.9	27.9
43	SAN JOAQUIN	345,346	78.3	22.7	22.7	18.0	28.3
44	SANTA CRUZ	131,980	34.7	26.3	23.4	16.2	32.5
45	COLUSA	10,410	2.3	22.4 *	23.7 *	3.6	78.6
46	HUMBOLDT	66,810	20.3	30.4	23.9	14.6	36.7
47	SISKIYOU	22,481	9.0	40.0 *	24.1 *	11.0	45.7
48	SOLANO	207,720	55.0	26.5	24.1	18.2	31.4
49	SAN BERNARDINO	1,026,302	224.3	21.9	24.2	21.0	27.4
50	LAKE	32,055	11.3	35.4 *	25.2 *	12.8	44.8
51	PLACER	179,468	60.3	33.6	25.4	19.4	32.6
52	DEL NORTE	12,700	4.3	34.1 *	25.5 *	7.4	63.1
53	SONOMA	246,827	82.3	33.4	25.6	20.4	31.8
54	BUTTE	111,037	37.3	33.6	26.0	18.3	35.7
55	MENDOCINO	43,896	15.3	34.9 *	26.6 *	15.0	43.7
56	CALAVERAS	22,610	10.0	44.2 *	27.2 *	13.1	50.1
57	INYO	9,191	4.3	47.1 *	27.9 *	8.1	69.0
58	AMADOR	17,305	10.3	59.7 *	37.2 *	18.1	67.8

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

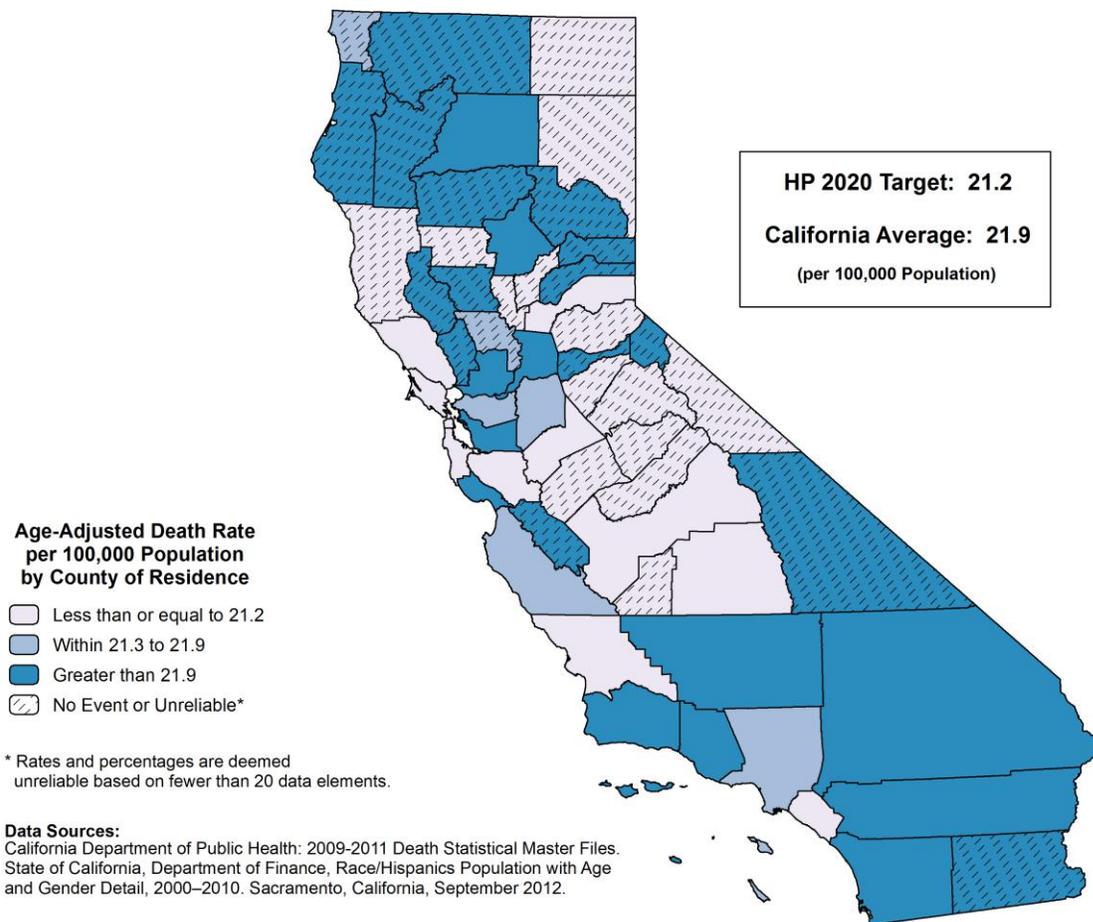
- Rates, percentages, and confidence limits are not calculated for zero events.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO PROSTATE CANCER, 2009-2011



The crude death rate from male prostate cancer for California was 16.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 6,033.1 males. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 3,069.7 and male population count of 18,519,660 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 32.1 in Shasta County to 12.6 in Tulare County, a factor of 2.5 to 1.

The age-adjusted death rate from male prostate cancer for California during the 2009 through 2011 three-year period was 21.9 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 27.6 in Shasta County to 17.0 in San Francisco County.

Eleven counties with reliable age-adjusted death rates 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 fourteen counties with unreliable rates met the objective. The statewide age-adjusted death rate for male prostate cancer did not meet the national objective.

The California average age-adjusted death rate for the 2006-2008 period was 22.8.

**TABLE 6
DEATHS DUE TO PROSTATE CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 MALE POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS		
						LOWER	UPPER	
1	LASSEN	22,466	1.0	4.5 *	8.1 *	0.2	45.0	
2	TUOLUMNE	28,976	5.7	19.6 *	15.1 *	5.3	33.5	
3	MODOC	4,865	1.0	20.6 *	17.0 *	0.4	94.5	
4	SAN FRANCISCO	408,785	64.7	15.8	17.0	13.1	21.7	
5	SANTA CLARA	894,796	113.3	12.7	17.1	13.9	20.3	
6	PLACER	171,141	31.3	18.3	17.1	11.7	24.3	
7	MENDOCINO	44,043	8.3	18.9 *	17.8 *	7.8	34.6	
8	MONO	7,419	1.0	13.5 *	17.9 *	0.5	99.6	
9	EL DORADO	90,626	15.7	17.3 *	18.7 *	10.6	30.4	
10	FRESNO	465,639	61.0	13.1	19.2	14.7	24.6	
11	STANISLAUS	254,811	35.0	13.7	19.3	13.4	26.8	
12	KINGS	86,216	7.0	8.1 *	19.5 *	7.8	40.1	
13	YUBA	36,451	4.7	12.8 *	19.6 *	6.0	47.0	
14	MARIN	123,738	27.3	22.1	19.7	13.0	28.5	
15	MADERA	72,869	10.7	14.6 *	20.3 *	10.0	36.6	
16	ORANGE	1,486,891	237.0	15.9	20.4	17.8	23.1	
17	SAN MATEO	350,774	61.3	17.5	20.5	15.7	26.3	
18	SAN LUIS OBISPO	137,832	30.0	21.8	20.7	13.9	29.5	
19	SUTTER	46,996	7.7	16.3 *	20.8 *	8.8	41.6	
20	CALAVERAS	22,648	6.0	26.5 *	20.8 *	7.6	45.3	
21	SONOMA	237,431	48.0	20.2	20.9	15.4	27.7	
22	GLENN	14,234	2.7	18.7 *	20.9 *	3.8	64.8	
23	TULARE	222,129	28.0	12.6	20.9	13.9	30.2	
24	MARIPOSA	9,185	2.3	25.4 *	21.2 *	3.2	70.3	
25	MERCED	129,086	16.0	12.4 *	21.2 *	12.1	34.4	
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE C-7						21.2		
26	SAN JOAQUIN	341,415	49.7	14.5	21.3	15.8	28.1	
27	DEL NORTE	15,877	2.7	16.8 *	21.3 *	3.8	66.1	
28	CONTRA COSTA	511,787	93.0	18.2	21.4	17.2	26.2	
29	YOLO	98,051	14.7	15.0 *	21.7 *	12.0	35.9	
30	MONTEREY	213,674	32.3	15.1	21.7	14.9	30.6	
31	LOS ANGELES	4,836,377	761.0	15.7	21.7	20.2	23.3	
	CALIFORNIA	18,519,660	3,069.7	16.6	21.9	21.1	22.7	
32	SACRAMENTO	694,677	117.0	16.8	22.2	18.1	26.3	
33	VENTURA	409,031	73.3	17.9	22.4	17.6	28.1	
34	SANTA CRUZ	131,194	23.3	17.8	22.5	14.3	33.7	
35	AMADOR	20,602	5.7	27.5 *	22.6 *	8.0	50.3	
36	SANTA BARBARA	212,905	44.3	20.8	23.1	16.8	31.0	
37	HUMBOLDT	67,765	13.7	20.2 *	23.4 *	12.7	39.4	
38	ALAMEDA	740,086	129.0	17.4	23.6	19.5	27.7	
39	TRINITY	7,165	2.3	32.6 *	23.7 *	3.6	78.6	
40	SAN DIEGO	1,556,029	293.0	18.8	24.2	21.4	27.0	
41	KERN	434,513	56.7	13.0	24.4	18.5	31.7	
42	COLUSA	11,042	2.0	18.1 *	24.4 *	3.0	88.3	
43	IMPERIAL	90,076	14.3	15.9 *	24.5 *	13.5	40.8	
44	RIVERSIDE	1,090,822	197.7	18.1	24.6	21.1	28.1	
45	SOLANO	205,500	37.3	18.2	24.8	17.5	34.2	
46	NAPA	68,034	19.0	27.9 *	25.2 *	15.2	39.4	
47	BUTTE	108,987	31.0	28.4	25.5	17.4	36.2	
48	SAN BERNARDINO	1,012,469	148.7	14.7	26.1	21.8	30.5	
49	TEHAMA	31,665	8.3	26.3 *	26.5 *	11.7	51.6	
50	SAN BENITO	27,618	4.3	15.7 *	26.6 *	7.7	65.8	
51	SISKIYOU	22,470	7.7	34.1 *	27.0 *	11.4	54.0	
52	SHASTA	87,256	28.0	32.1	27.6	18.3	39.9	
53	INYO	9,436	3.3	35.3 *	28.0 *	6.4	77.9	
54	NEVADA	48,429	16.3	33.7 *	28.5 *	16.4	46.1	
55	PLUMAS	10,018	2.7	26.6 *	29.2 *	5.3	90.5	
56	LAKE	32,411	9.7	29.8 *	29.3 *	13.9	54.5	
57	SIERRA	1,642	0.7	40.6 *	31.9 *	0.2	238.1	
58	ALPINE	592	0.3	56.3 *	143.4 *	0.0	1875.3	

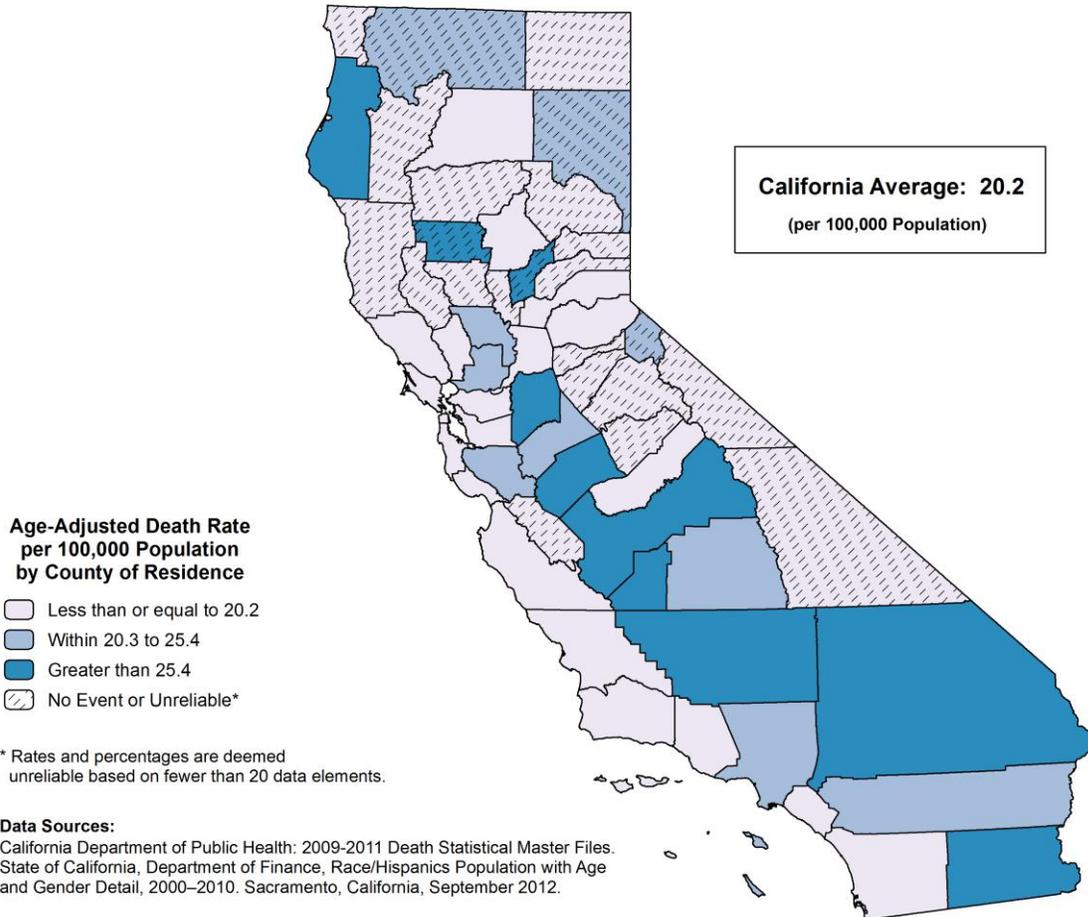
* Rates are deemed unreliable based on fewer than 20 data elements.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO DIABETES, 2009-2011



The crude death rate from diabetes for California was 19.3 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 5,173.3 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 7,213.7 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 29.0 in Humboldt County to 11.7 in Marin County, a factor of 2.5 to 1.

The age-adjusted death rate from diabetes for California during the 2009 through 2011 three-year period was 20.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 33.9 in San Bernardino County to 8.4 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 for the 2006-2008 period was 22.1.

**TABLE 7
DEATHS DUE TO DIABETES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:						NONE	
1	COLUSA	21,452	1.0	4.7 *	4.0 *	0.1	22.5
2	AMADOR	37,907	4.3	11.4 *	6.8 *	2.0	16.9
3	MONO	14,114	0.3	2.4 *	7.2 *	0.0	94.5
4	MODOC	9,676	1.0	10.3 *	7.4 *	0.2	41.1
5	TRINITY	13,883	1.7	12.0 *	7.4 *	0.7	29.8
6	MARIN	252,767	29.7	11.7	8.4	5.7	12.0
7	MARIPOSA	18,119	2.0	11.0 *	9.9 *	1.2	35.6
8	INYO	18,627	3.0	16.1 *	9.9 *	2.0	29.0
9	NEVADA	98,484	15.3	15.6 *	10.5 *	5.9	17.2
10	SAN FRANCISCO	807,177	101.3	12.6	10.9	8.7	13.0
11	PLACER	350,609	53.0	15.1	12.2	9.1	15.9
12	SAN MATEO	719,582	94.7	13.2	12.2	9.9	15.0
13	TUOLUMNE	54,961	11.0	20.0 *	13.1 *	6.6	23.5
14	SAN LUIS OBISPO	269,753	44.7	16.6	13.5	9.8	18.1
15	SHASTA	177,480	31.3	17.7	13.5	9.2	19.2
16	EL DORADO	181,183	28.3	15.6	13.8	9.2	19.9
17	ORANGE	3,017,089	417.7	13.8	14.0	12.7	15.4
18	SANTA CRUZ	263,174	37.7	14.3	14.7	10.4	20.2
19	MENDOCINO	87,939	15.7	17.8 *	15.1 *	8.6	24.6
20	SIERRA	3,231	0.7	20.6 *	15.2 *	0.1	113.3
21	CALAVERAS	45,258	10.7	23.6 *	15.2 *	7.5	27.5
22	SAN BENITO	55,350	7.0	12.6 *	15.2 *	6.1	31.4
23	MADERA	151,160	20.7	13.7	15.3	9.5	23.5
24	NAPA	136,681	26.3	19.3	15.4	10.1	22.5
25	BUTTE	220,024	42.7	19.4	15.5	11.2	20.9
26	PLUMAS	19,993	4.3	21.7 *	15.5 *	4.5	38.5
27	SONOMA	484,258	90.0	18.6	15.8	12.7	19.4
28	VENTURA	825,378	131.7	16.0	16.1	13.3	18.8
29	MONTEREY	415,825	62.0	14.9	16.2	12.5	20.8
30	SANTA BARBARA	424,291	76.3	18.0	16.5	13.0	20.7
31	SUTTER	94,800	16.3	17.2 *	16.5 *	9.5	26.7
32	CONTRA COSTA	1,052,192	186.3	17.7	16.9	14.5	19.4
33	TEHAMA	63,635	13.7	21.5 *	18.1 *	9.8	30.6
34	LAKE	64,466	15.3	23.8 *	18.4 *	10.4	30.2
35	DEL NORTE	28,577	5.7	19.8 *	19.0 *	6.7	42.3
36	SAN DIEGO	3,104,581	571.7	18.4	19.1	17.5	20.7
37	ALAMEDA	1,513,493	286.7	18.9	20.0	17.7	22.4
38	SACRAMENTO	1,420,447	275.7	19.4	20.2	17.8	22.6
	CALIFORNIA	37,318,481	7,213.7	19.3	20.2	19.7	20.7
39	YOLO	200,995	34.3	17.1	20.3	14.1	28.3
40	RIVERSIDE	2,191,800	410.0	18.7	20.5	18.5	22.5
41	ALPINE	1,147	0.3	29.1 *	21.2 *	0.0	276.5
42	LOS ANGELES	9,827,070	2,016.3	20.5	22.3	21.3	23.3
43	STANISLAUS	515,311	103.3	20.1	22.4	18.0	26.7
44	SISKIYOU	44,951	14.7	32.6 *	22.8 *	12.7	37.9
45	SANTA CLARA	1,787,553	378.3	21.2	22.9	20.5	25.2
46	SOLANO	413,220	94.3	22.8	23.4	18.9	28.6
47	LASSEN	34,730	6.7	19.2 *	24.4 *	9.6	51.2
48	TULARE	443,638	87.7	19.8	24.8	19.8	30.5
49	HUMBOLDT	134,575	39.0	29.0	25.9	18.4	35.3
50	MERCED	256,386	51.3	20.0	26.1	19.4	34.3
51	YUBA	72,336	16.3	22.6 *	27.7 *	15.9	44.8
52	FRESNO	933,075	228.3	24.5	28.5	24.8	32.3
53	SAN JOAQUIN	686,761	177.0	25.8	28.9	24.6	33.2
54	GLENN	28,188	8.7	30.7 *	29.1 *	13.1	55.8
55	KINGS	153,020	32.0	20.9	30.3	20.8	42.8
56	IMPERIAL	175,594	47.0	26.8	32.0	23.5	42.5
57	KERN	841,744	204.0	24.2	32.4	27.8	36.9
58	SAN BERNARDINO	2,038,771	526.7	25.8	33.9	30.9	36.8

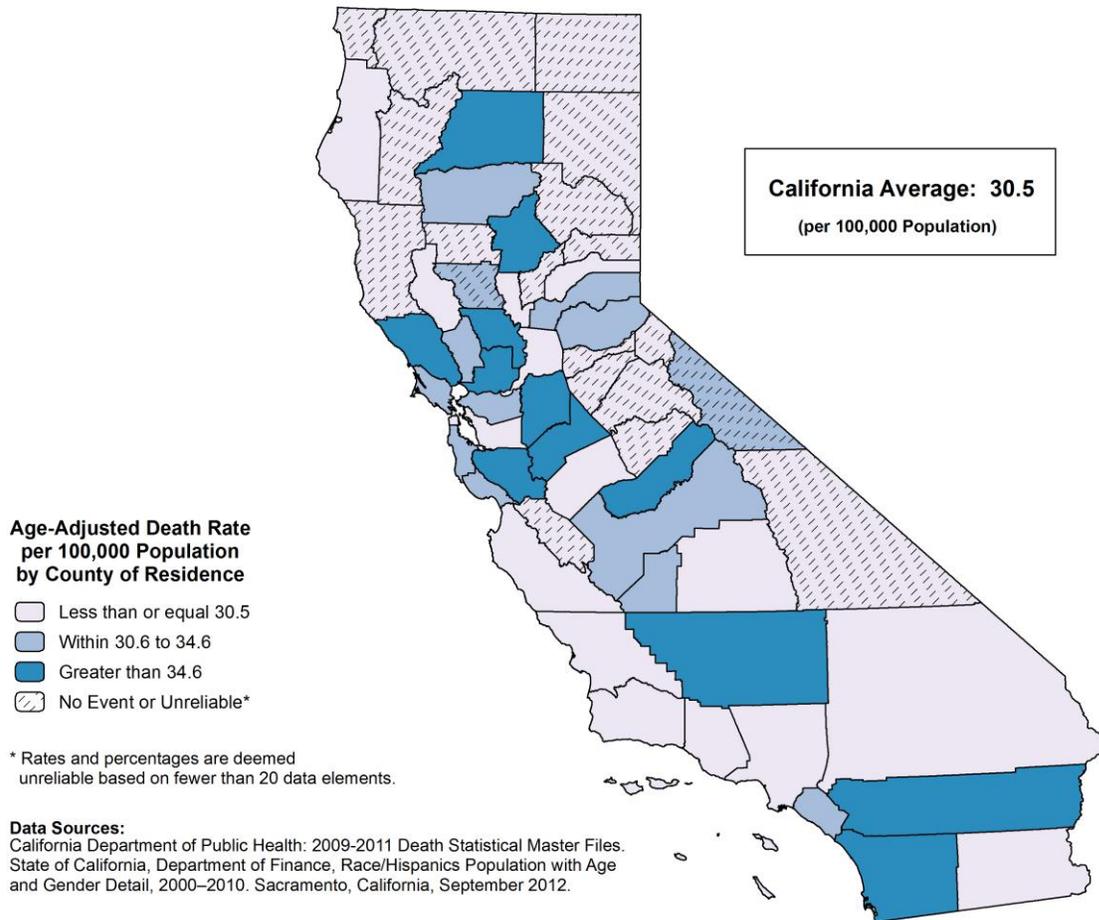
* Rates are deemed unreliable based on fewer than 20 data elements.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO ALZHEIMER'S DISEASE, 2009-2011



The crude death rate from Alzheimer's disease for California was 28.8 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 3,471.9 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 10,748.7 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 58.3 in Butte County to 11.8 in Imperial County, a factor of 5.0 to 1.

The age-adjusted death rate from Alzheimer's disease for California during the 2009 through 2011 three-year period was 30.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 49.9 in Solano County to 16.2 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 for the 2006-2008 period was 27.0.

**TABLE 8
DEATHS DUE TO ALZHEIMER'S DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:						NONE	
1	ALPINE	1,147	0.0	-	-	-	-
2	INYO	18,627	1.0	5.4 *	3.6 *	0.1	20.2
3	LASSEN	34,730	2.3	6.7 *	10.6 *	1.6	35.0
4	SAN BENITO	55,350	5.3	9.6 *	12.4 *	4.2	28.3
5	SIERRA	3,231	0.7	20.6 *	14.7 *	0.1	110.1
6	TUOLUMNE	54,961	12.7	23.0 *	15.2 *	8.0	26.1
7	MENDOCINO	87,939	17.0	19.3 *	15.4 *	9.0	24.7
8	IMPERIAL	175,594	20.7	11.8	16.2	10.0	24.9
9	CALAVERAS	45,258	9.3	20.6 *	16.9 *	7.9	31.7
10	MODOC	9,676	2.3	24.1 *	17.2 *	2.6	57.0
11	MONTEREY	415,825	70.3	16.9	17.9	13.9	22.5
12	GLENN	28,188	5.3	18.9 *	19.2 *	6.5	43.8
13	TULARE	443,638	64.7	14.6	20.3	15.7	25.9
14	PLUMAS	19,993	5.3	26.7 *	22.1 *	7.5	50.2
15	YUBA	72,336	11.0	15.2 *	22.2 *	11.1	39.7
16	SAN FRANCISCO	807,177	232.7	28.8	22.9	19.9	25.8
17	DEL NORTE	28,577	6.3	22.2 *	23.1 *	8.8	49.2
18	SAN LUIS OBISPO	269,753	86.3	32.0	23.7	19.0	29.3
19	MERCED	256,386	44.3	17.3	24.0	17.5	32.2
20	SUTTER	94,800	23.0	24.3	24.2	15.3	36.3
21	LOS ANGELES	9,827,070	2,238.3	22.8	24.9	23.9	26.0
22	SISKIYOU	44,951	17.0	37.8 *	26.1 *	15.2	41.8
23	ALAMEDA	1,513,493	372.0	24.6	26.3	23.6	29.0
24	MARIPOSA	18,119	6.3	35.0 *	27.4 *	10.4	58.4
25	HUMBOLDT	134,575	42.0	31.2	27.9	20.1	37.7
26	SACRAMENTO	1,420,447	375.3	26.4	27.9	25.1	30.7
27	VENTURA	825,378	231.7	28.1	28.0	24.4	31.6
28	SANTA BARBARA	424,291	147.3	34.7	28.3	23.7	33.0
29	NEVADA	98,484	42.3	43.0	28.7	20.7	38.8
30	TRINITY	13,883	4.3	31.2 *	28.8 *	8.4	71.2
31	LAKE	64,466	21.3	33.1	29.0	18.0	44.1
32	SAN BERNARDINO	2,038,771	394.0	19.3	30.1	27.1	33.1
33	AMADOR	37,907	18.3	48.4 *	30.4 *	18.1	47.9
	CALIFORNIA	37,318,481	10,748.7	28.8	30.5	29.9	31.1
34	CONTRA COSTA	1,052,192	353.3	33.6	31.3	28.0	34.6
35	NAPA	136,681	61.3	44.9	31.6	24.2	40.6
36	TEHAMA	63,635	22.3	35.1	31.8	20.0	48.0
37	SANTA CRUZ	263,174	83.7	31.8	32.5	25.9	40.3
38	MONO	14,114	1.0	7.1 *	32.9 *	0.8	183.2
39	COLUSA	21,452	6.3	29.5 *	32.9 *	12.5	70.2
40	ORANGE	3,017,089	992.7	32.9	33.0	31.0	35.1
41	FRESNO	933,075	266.3	28.5	33.1	29.1	37.1
42	SAN MATEO	719,582	269.3	37.4	33.6	29.6	37.7
43	PLACER	350,609	153.0	43.6	33.9	28.5	39.3
44	EL DORADO	181,183	65.7	36.2	33.9	26.2	43.2
45	KINGS	153,020	30.0	19.6	34.4	23.2	49.1
46	MARIN	252,767	131.0	51.8	34.6	28.5	40.6
47	RIVERSIDE	2,191,800	612.3	27.9	34.7	32.0	37.5
48	KERN	841,744	190.0	22.6	36.0	30.9	41.1
49	SHASTA	177,480	89.7	50.5	36.7	29.5	45.1
50	SAN JOAQUIN	686,761	219.7	32.0	37.5	32.5	42.4
51	SAN DIEGO	3,104,581	1,177.0	37.9	38.1	35.9	40.3
52	YOLO	200,995	68.0	33.8	38.2	29.7	48.5
53	SONOMA	484,258	247.3	51.1	38.7	33.8	43.6
54	STANISLAUS	515,311	173.3	33.6	38.7	32.9	44.5
55	SANTA CLARA	1,787,553	642.7	36.0	38.8	35.8	41.8
56	BUTTE	220,024	128.3	58.3	40.4	33.3	47.5
57	MADERA	151,160	50.3	33.3	43.2	32.1	56.9
58	SOLANO	413,220	183.0	44.3	49.9	42.7	57.1

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

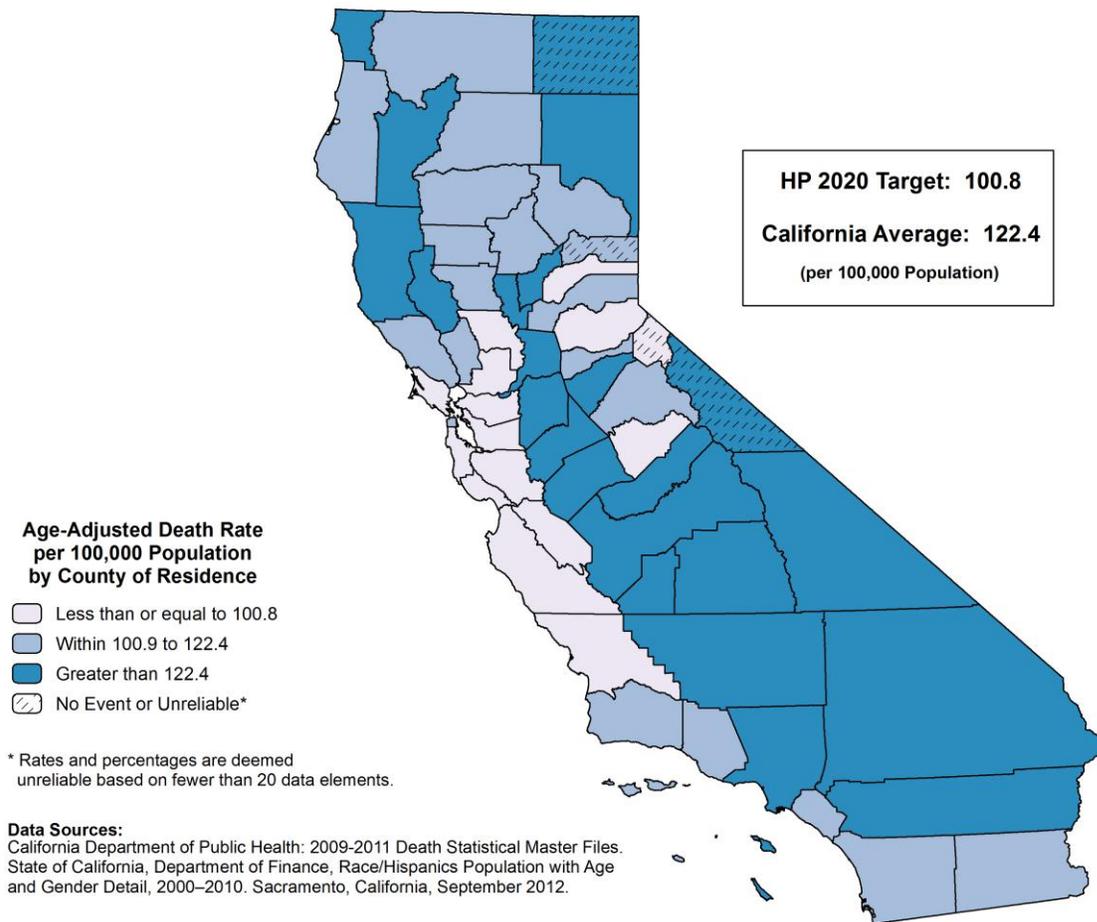
- Rates, percentages, and confidence limits are not calculated for zero events.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO CORONARY HEART DISEASE, 2009-2011



The crude death rate from coronary heart disease for California was 117.2 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 853.5 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 43,724.0 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 206.8 in Lake County to 66.2 in San Benito County, a factor of 3.1 to 1.

The age-adjusted death rate from coronary heart disease for California during the 2009 through 2011 three-year period was 122.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 165.2 in Stanislaus County to 68.9 in Marin County.

Fourteen 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. The statewide age-adjusted death rate for coronary heart disease did not meet the national objective.

The California average age-adjusted death rate for the 2006-2008 period was 143.7.

**TABLE 9
DEATHS DUE TO CORONARY HEART DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,147	0.0	-	-	-	-
2	MARIN	252,767	252.0	99.7	68.9	60.2	77.6
3	SAN BENITO	55,350	36.7	66.2	79.2	55.7	109.4
4	YOLO	200,995	148.3	73.8	85.1	71.2	99.0
5	CONTRA COSTA	1,052,192	990.3	94.1	88.2	82.7	93.8
6	SANTA CLARA	1,787,553	1,506.0	84.2	90.3	85.7	94.9
7	SAN LUIS OBISPO	269,753	319.3	118.4	90.5	80.5	100.5
8	MONTEREY	415,825	369.7	88.9	95.0	85.2	104.7
9	SAN MATEO	719,582	751.7	104.5	95.3	88.4	102.1
10	EL DORADO	181,183	202.3	111.7	97.0	83.4	110.6
11	SANTA CRUZ	263,174	254.7	96.8	97.2	85.0	109.5
12	MARIPOSA	18,119	25.0	138.0	97.3	63.0	143.7
13	NEVADA	98,484	145.3	147.6	97.6	81.5	113.8
14	ALAMEDA	1,513,493	1,402.7	92.7	97.7	92.5	102.9
15	SOLANO	413,220	393.3	95.2	99.9	89.9	110.0
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE HDS-2					100.8		
16	SAN FRANCISCO	807,177	981.0	121.5	101.9	95.4	108.3
17	NAPA	136,681	186.7	136.6	102.7	87.7	117.6
18	PLACER	350,609	459.3	131.0	103.7	94.1	113.2
19	SIERRA	3,231	6.0	185.7 *	105.5 *	38.7	229.6
20	VENTURA	825,378	883.7	107.1	105.5	98.5	112.5
21	SONOMA	484,258	643.0	132.8	106.8	98.4	115.3
22	COLUSA	21,452	21.7	101.0	107.2	66.9	162.8
23	AMADOR	37,907	64.3	169.7	107.3	82.7	136.9
24	HUMBOLDT	134,575	161.7	120.1	107.5	90.6	124.4
25	ORANGE	3,017,089	3,239.0	107.4	107.8	104.0	111.5
26	TUOLUMNE	54,961	93.0	169.2	109.6	88.5	134.3
27	SAN DIEGO	3,104,581	3,334.7	107.4	109.7	106.0	113.5
28	TEHAMA	63,635	83.0	130.4	111.6	88.9	138.3
29	PLUMAS	19,993	32.7	163.4	116.6	80.1	164.0
30	GLENN	28,188	34.3	121.8	118.0	81.9	164.7
31	IMPERIAL	175,594	167.3	95.3	118.4	100.2	136.6
32	SANTA BARBARA	424,291	577.3	136.1	119.2	109.3	129.0
33	BUTTE	220,024	350.3	159.2	120.5	107.6	133.4
34	SISKIYOU	44,951	79.7	177.2	121.0	95.9	150.7
35	SHASTA	177,480	295.0	166.2	121.5	107.5	135.6
	CALIFORNIA	37,318,481	43,724.0	117.2	122.4	121.2	123.5
36	LASSEN	34,730	32.3	93.1	123.5	84.6	174.0
37	CALAVERAS	45,258	75.7	167.2	123.8	97.5	155.0
38	MENDOCINO	87,939	139.0	158.1	124.5	103.3	145.8
39	FRESNO	933,075	1,034.7	110.9	128.2	120.3	136.0
40	SACRAMENTO	1,420,447	1,768.7	124.5	130.0	123.9	136.1
41	TRINITY	13,883	24.7	177.7	130.9	84.4	193.7
42	INYO	18,627	38.3	205.8	131.6	93.3	180.4
43	DEL NORTE	28,577	40.3	141.1	132.3	94.6	179.9
44	KINGS	153,020	132.0	86.3	132.6	109.6	155.7
45	SAN JOAQUIN	686,761	814.7	118.6	134.6	125.3	144.0
46	MODOC	9,676	18.7	192.9 *	134.8 *	80.7	211.3
47	LOS ANGELES	9,827,070	12,689.0	129.1	139.5	137.1	142.0
48	SUTTER	94,800	136.3	143.8	140.7	117.0	164.3
49	MONO	14,114	4.3	30.7 *	141.4 *	41.2	350.0
50	MERCED	256,386	280.0	109.2	142.7	125.9	159.6
51	TULARE	443,638	493.3	111.2	147.2	134.1	160.3
52	RIVERSIDE	2,191,800	2,927.0	133.5	152.3	146.7	157.9
53	YUBA	72,336	88.3	122.1	156.8	125.8	193.1
54	MADERA	151,160	209.0	138.3	163.4	140.9	185.8
55	LAKE	64,466	133.3	206.8	164.7	136.1	193.3
56	SAN BERNARDINO	2,038,771	2,409.0	118.2	164.8	158.1	171.5
57	KERN	841,744	984.0	116.9	165.1	154.6	175.6
58	STANISLAUS	515,311	760.3	147.5	165.2	153.4	177.0

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

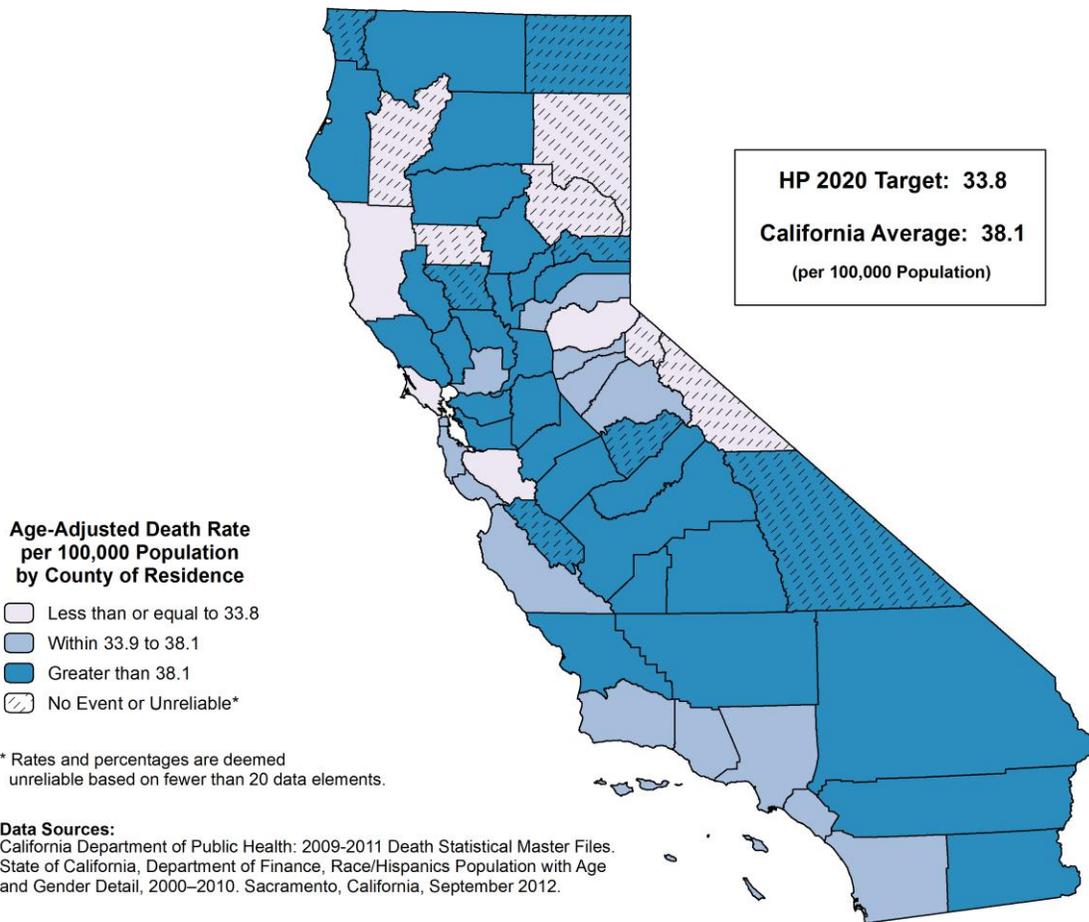
- Rates, percentages, and confidence limits are not calculated for zero events.

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

Sources: California Department of Public Health, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE), 2009-2011



The crude death rate from cerebrovascular disease (stroke) for California was 36.1 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,771.5 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 13,465.3 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 76.2 in San Luis Obispo County to 26.1 in Santa Clara County, a factor of 2.9 to 1.

The age-adjusted death rate from cerebrovascular disease for California during the 2009 through 2011 three-year period was 38.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 56.6 in San Luis Obispo County to 26.0 in El Dorado County.

Four 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 five counties with unreliable rates and one county with no cerebrovascular disease deaths 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 for the 2006-2008 period was 42.8.

**TABLE 10
DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE)
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,147	0.0	-	-	-	-
2	TRINITY	13,883	3.3	24.0 *	17.9 *	4.1	49.7
3	EL DORADO	181,183	51.7	28.5	26.0	19.4	34.1
4	SANTA CLARA	1,787,553	467.3	26.1	28.3	25.7	30.9
5	MONO	14,114	1.0	7.1 *	28.6 *	0.7	159.5
6	MARIN	252,767	109.0	43.1	29.8	24.1	35.5
7	LASSEN	34,730	7.7	22.1 *	31.0 *	13.1	62.0
8	GLENN	28,188	9.3	33.1 *	31.7 *	14.8	59.6
9	MENDOCINO	87,939	35.7	40.6	32.2	22.5	44.7
10	PLUMAS	19,993	8.0	40.0 *	33.6 *	14.5	66.2
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE HDS-3						33.8	
11	SAN MATEO	719,582	270.7	37.6	34.7	30.5	38.9
12	SANTA CRUZ	263,174	88.7	33.7	34.8	27.9	42.8
13	SAN DIEGO	3,104,581	1,049.3	33.8	34.8	32.7	36.9
14	SAN FRANCISCO	807,177	334.7	41.5	34.8	31.0	38.6
15	AMADOR	37,907	21.0	55.4	34.9	21.6	53.4
16	ORANGE	3,017,089	1,047.7	34.7	35.2	33.0	37.3
17	SANTA BARBARA	424,291	174.3	41.1	35.3	30.0	40.6
18	PLACER	350,609	157.3	44.9	35.3	29.8	40.9
19	VENTURA	825,378	302.0	36.6	36.4	32.3	40.6
20	LOS ANGELES	9,827,070	3,279.7	33.4	36.5	35.2	37.8
21	CALAVERAS	45,258	21.3	47.1	36.5	22.7	55.6
22	TUOLUMNE	54,961	31.0	56.4	37.0	25.1	52.4
23	MONTEREY	415,825	145.0	34.9	37.3	31.2	43.4
24	SOLANO	413,220	145.3	35.2	37.8	31.6	44.0
	CALIFORNIA	37,318,481	13,465.3	36.1	38.1	37.5	38.7
25	SUTTER	94,800	38.3	40.4	39.2	27.8	53.7
26	SONOMA	484,258	239.3	49.4	39.2	34.1	44.3
27	ALAMEDA	1,513,493	555.0	36.7	39.2	35.9	42.5
28	NEVADA	98,484	56.7	57.5	39.4	29.8	51.0
29	YOLO	200,995	68.7	34.2	39.4	30.7	50.0
30	CONTRA COSTA	1,052,192	440.3	41.8	39.7	36.0	43.5
31	NAPA	136,681	75.0	54.9	39.8	31.3	49.8
32	KINGS	153,020	41.0	26.8	40.0	28.7	54.2
33	SACRAMENTO	1,420,447	547.7	38.6	40.6	37.2	44.1
34	INYO	18,627	11.7	62.6 *	40.7 *	20.8	71.6
35	SAN BENITO	55,350	19.0	34.3 *	40.9 *	24.6	63.8
36	MADERA	151,160	51.7	34.2	40.9	30.5	53.7
37	KERN	841,744	250.7	29.8	42.4	37.0	47.7
38	DEL NORTE	28,577	12.3	43.2 *	42.6 *	22.3	73.9
39	RIVERSIDE	2,191,800	805.0	36.7	42.8	39.8	45.8
40	SAN BERNARDINO	2,038,771	633.7	31.1	43.7	40.3	47.2
41	SHASTA	177,480	106.0	59.7	44.4	35.8	52.9
42	STANISLAUS	515,311	201.3	39.1	44.5	38.3	50.7
43	MARIPOSA	18,119	10.3	57.0 *	44.7 *	21.7	81.4
44	IMPERIAL	175,594	61.0	34.7	45.3	34.7	58.2
45	SAN JOAQUIN	686,761	272.7	39.7	45.7	40.2	51.2
46	BUTTE	220,024	137.0	62.3	46.0	38.1	53.8
47	MERCED	256,386	89.3	34.8	46.0	37.0	56.6
48	FRESNO	933,075	368.3	39.5	46.2	41.5	51.0
49	SISKIYOU	44,951	31.0	69.0	47.5	32.3	67.4
50	YUBA	72,336	26.0	35.9	48.1	31.4	70.4
51	MODOC	9,676	6.7	68.9 *	48.6 *	19.0	101.8
52	COLUSA	21,452	9.3	43.5 *	49.7 *	23.1	93.2
53	TULARE	443,638	170.3	38.4	50.6	42.9	58.2
54	HUMBOLDT	134,575	79.3	59.0	52.4	41.5	65.3
55	SIERRA	3,231	2.3	72.2 *	53.3 *	8.1	176.9
56	TEHAMA	63,635	38.3	60.2	53.7	38.1	73.7
57	LAKE	64,466	43.3	67.2	55.3	40.1	74.4
58	SAN LUIS OBISPO	269,753	205.7	76.2	56.6	48.8	64.4

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

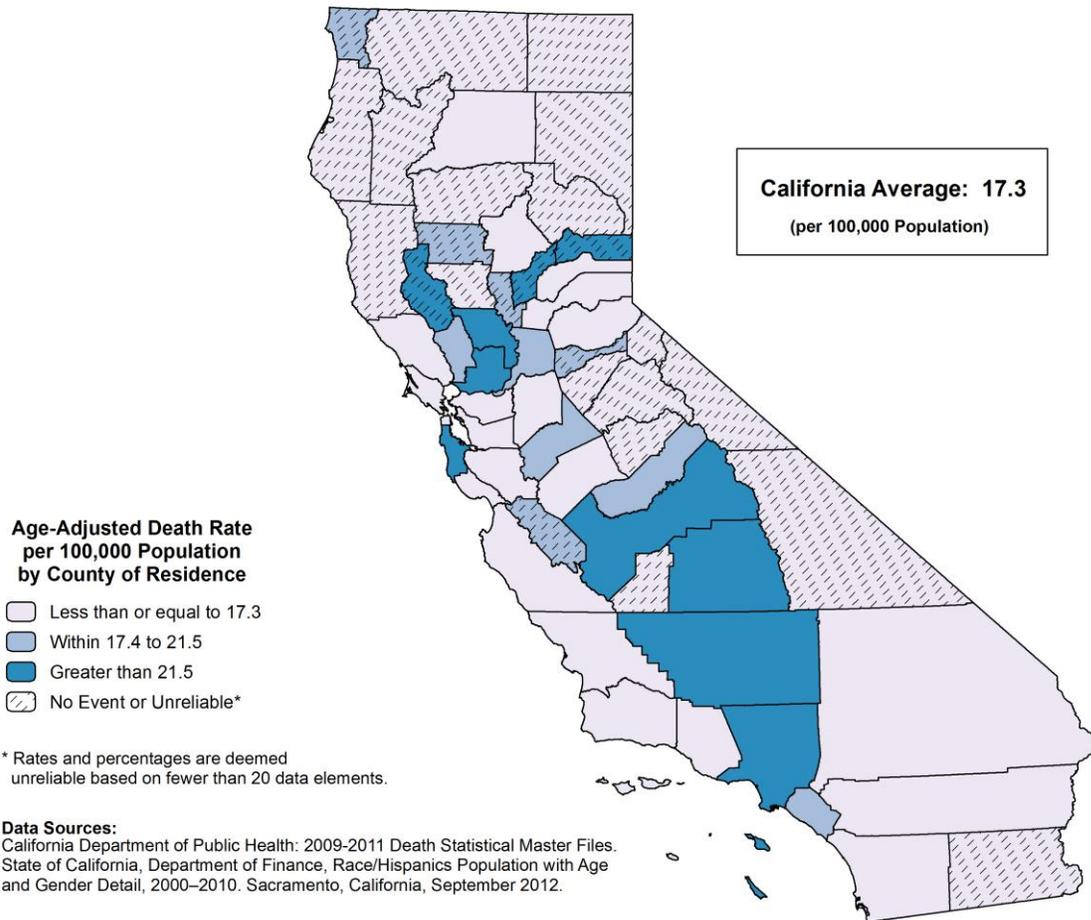
- Rates, percentages, and confidence limits are not calculated for zero events.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO INFLUENZA/PNEUMONIA, 2009-2011



The crude death rate from influenza/pneumonia for California was 16.4 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 6,092.8 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 6,125.0 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 26.3 in Napa County to 8.6 in San Bernardino County, a factor of 3.1 to 1.

The age-adjusted death rate from influenza/pneumonia for California during the 2009 through 2011 three-year period was 17.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 24.6 in Tulare County to 8.9 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 for the 2006-2008 period was 20.6.

**TABLE 11
DEATHS DUE TO INFLUENZA/PNEUMONIA
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
		HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:				NONE	
1	ALPINE	1,147	0.0	-	-	-	-
2	PLUMAS	19,993	2.3	11.7 *	8.1 *	1.2	26.7
3	SONOMA	484,258	55.7	11.5	8.9	6.7	11.6
4	MONO	14,114	0.7	4.7 *	9.0 *	0.0	67.3
5	SAN DIEGO	3,104,581	308.0	9.9	10.1	9.0	11.2
6	INYO	18,627	3.0	16.1 *	10.7 *	2.2	31.2
7	VENTURA	825,378	92.3	11.2	11.0	8.8	13.4
8	SAN LUIS OBISPO	269,753	38.3	14.2	11.0	7.8	15.1
9	LASSEN	34,730	3.0	8.6 *	11.2 *	2.3	32.7
10	MONTEREY	415,825	44.3	10.7	11.5	8.4	15.4
11	SHASTA	177,480	27.7	15.6	11.7	7.8	17.0
12	HUMBOLDT	134,575	18.7	13.9 *	11.8 *	7.0	18.4
13	SAN BERNARDINO	2,038,771	175.3	8.6	11.9	10.1	13.7
14	MENDOCINO	87,939	14.3	16.3 *	12.3 *	6.8	20.5
15	MARIN	252,767	47.0	18.6	12.3	9.1	16.4
16	CONTRA COSTA	1,052,192	137.0	13.0	12.4	10.3	14.5
17	IMPERIAL	175,594	17.3	9.9 *	12.7 *	7.5	20.3
18	SANTA BARBARA	424,291	67.7	15.9	13.4	10.4	16.9
19	NEVADA	98,484	20.3	20.6	13.5	8.3	20.8
20	RIVERSIDE	2,191,800	260.0	11.9	13.8	12.1	15.5
21	EL DORADO	181,183	28.0	15.5	13.8	9.2	20.0
22	SANTA CRUZ	263,174	36.7	13.9	13.9	9.8	19.2
23	PLACER	350,609	62.0	17.7	14.0	10.7	17.9
24	MODOC	9,676	2.0	20.7 *	14.1 *	1.7	51.1
25	SANTA CLARA	1,787,553	242.7	13.6	14.5	12.7	16.4
26	MERCED	256,386	28.7	11.2	14.6	9.8	21.0
27	SISKIYOU	44,951	8.7	19.3 *	14.8 *	6.6	28.4
28	MARIPOSA	18,119	4.0	22.1 *	15.2 *	4.1	39.0
29	ALAMEDA	1,513,493	221.7	14.6	15.6	13.5	17.6
30	BUTTE	220,024	46.3	21.1	15.6	11.4	20.8
31	COLUSA	21,452	3.0	14.0 *	15.6 *	3.2	45.7
32	TRINITY	13,883	3.0	21.6 *	16.0 *	3.3	46.8
33	TEHAMA	63,635	11.7	18.3 *	16.3 *	8.3	28.6
34	KINGS	153,020	16.3	10.7 *	16.8 *	9.6	27.1
35	SAN FRANCISCO	807,177	164.3	20.4	16.9	14.3	19.5
36	SAN JOAQUIN	686,761	101.3	14.8	16.9	13.6	20.3
37	CALAVERAS	45,258	11.0	24.3 *	17.1 *	8.5	30.6
38	TUOLUMNE	54,961	13.3	24.3 *	17.3 *	9.3	29.4
	CALIFORNIA	37,318,481	6,125.0	16.4	17.3	16.9	17.7
39	ORANGE	3,017,089	521.7	17.3	17.5	16.0	19.0
40	DEL NORTE	28,577	5.0	17.5 *	17.5 *	5.7	40.9
41	SUTTER	94,800	17.0	17.9 *	17.6 *	10.3	28.2
42	SAN BENITO	55,350	8.0	14.5 *	17.8 *	7.7	35.2
43	NAPA	136,681	36.0	26.3	18.4	12.9	25.5
44	GLENN	28,188	5.3	18.9 *	18.7 *	6.4	42.5
45	MADERA	151,160	23.0	15.2	18.7	11.9	28.1
46	STANISLAUS	515,311	88.3	17.1	19.2	15.4	23.7
47	SACRAMENTO	1,420,447	281.7	19.8	20.6	18.2	23.1
48	AMADOR	37,907	12.0	31.7 *	21.2 *	10.9	36.9
49	SAN MATEO	719,582	172.7	24.0	21.7	18.5	25.0
50	SOLANO	413,220	84.3	20.4	21.9	17.5	27.1
51	YUBA	72,336	13.0	18.0 *	22.7 *	12.1	38.8
52	LOS ANGELES	9,827,070	2,039.3	20.8	22.9	21.9	23.9
53	YOLO	200,995	39.7	19.7	23.0	16.4	31.4
54	SIERRA	3,231	1.0	31.0 *	23.4 *	0.6	130.5
55	LAKE	64,466	18.0	27.9 *	23.6 *	14.0	37.4
56	KERN	841,744	142.7	16.9	23.9	19.9	27.9
57	FRESNO	933,075	195.3	20.9	24.0	20.6	27.4
58	TULARE	443,638	83.3	18.8	24.6	19.6	30.4

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

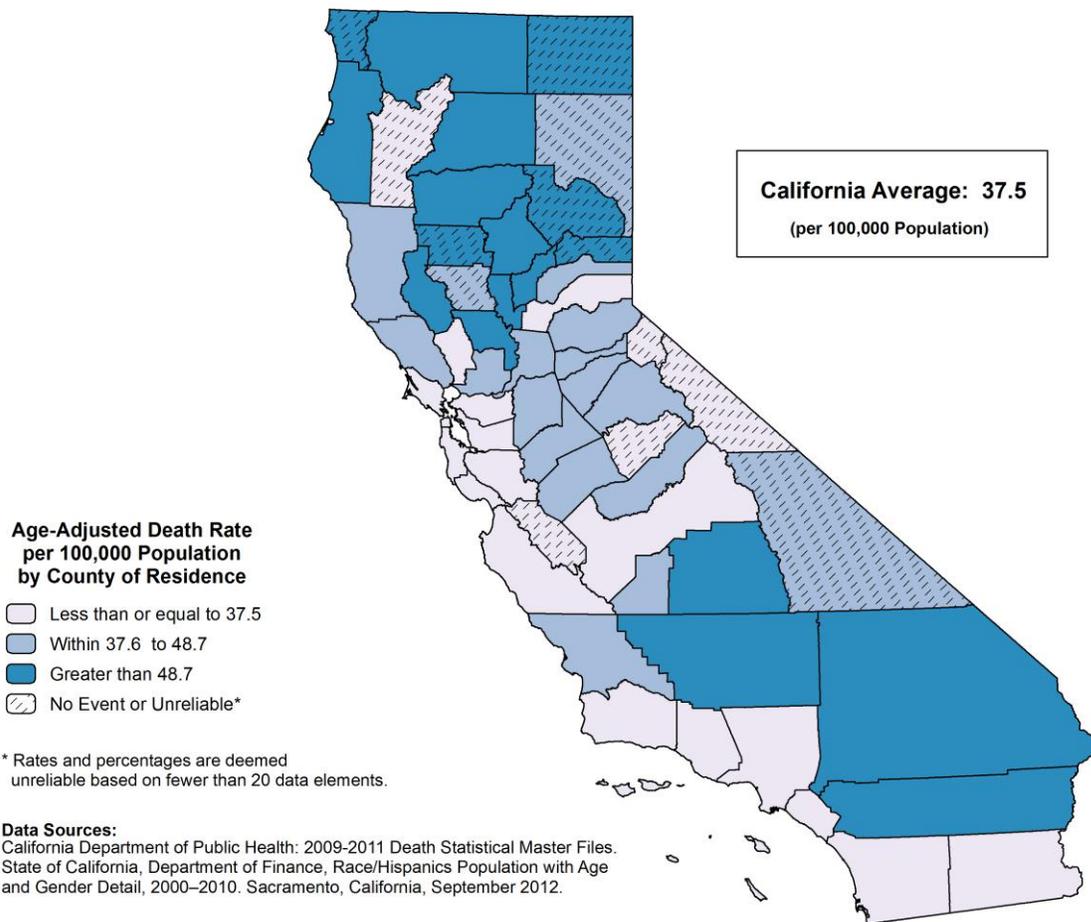
- Rates, percentages, and confidence limits are not calculated for zero events.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO CHRONIC LOWER RESPIRATORY DISEASE, 2009-2011



The crude death rate from chronic lower respiratory disease deaths for California was 35.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,860.8 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 13,044.7 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 97.7 in Shasta County to 17.8 in Imperial County, a factor of 5.5 to 1.

The age-adjusted death rate from chronic lower respiratory disease deaths for California during the 2009 through 2011 three-year period was 37.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 71.5 in Shasta County to 21.2 in Marin 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 for the 2006-2008 period was 39.4.

**TABLE 12
DEATHS DUE TO CHRONIC LOWER RESPIRATORY DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
		HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:				NONE	
1	ALPINE	1,147	0.0	-	-	-	-
2	MONO	14,114	0.3	2.4 *	18.4 *	0.0	241.0
3	MARIN	252,767	74.3	29.4	21.2	16.6	26.6
4	SAN FRANCISCO	807,177	206.7	25.6	22.0	18.9	25.0
5	IMPERIAL	175,594	31.3	17.8	22.6	15.4	32.0
6	SANTA CLARA	1,787,553	407.0	22.8	25.1	22.7	27.6
7	SANTA BARBARA	424,291	135.0	31.8	28.2	23.4	33.0
8	SAN MATEO	719,582	224.0	31.1	29.3	25.5	33.2
9	ALAMEDA	1,513,493	418.3	27.6	30.2	27.3	33.2
10	MONTEREY	415,825	114.7	27.6	30.4	24.8	36.0
11	MARIPOSA	18,119	9.3	51.5 *	30.7 *	14.3	57.6
12	ORANGE	3,017,089	918.0	30.4	31.6	29.6	33.7
13	SANTA CRUZ	263,174	84.0	31.9	33.0	26.3	40.9
14	LOS ANGELES	9,827,070	2,948.7	30.0	33.4	32.2	34.6
15	SAN BENITO	55,350	15.0	27.1 *	34.0 *	19.0	56.0
16	VENTURA	825,378	277.7	33.6	34.4	30.3	38.5
17	SAN DIEGO	3,104,581	1,020.0	32.9	34.6	32.4	36.7
18	CONTRA COSTA	1,052,192	382.0	36.3	35.4	31.8	39.0
19	NAPA	136,681	62.3	45.6	35.9	27.6	46.0
20	FRESNO	933,075	284.0	30.4	36.3	32.0	40.6
21	PLACER	350,609	160.3	45.7	36.7	31.0	42.4
22	TRINITY	13,883	7.7	55.2 *	37.1 *	15.7	74.2
	CALIFORNIA	37,318,481	13,044.7	35.0	37.5	36.9	38.2
23	SAN LUIS OBISPO	269,753	128.3	47.6	37.8	31.2	44.4
24	SONOMA	484,258	232.0	47.9	40.4	35.1	45.7
25	EL DORADO	181,183	83.3	46.0	40.5	32.2	50.1
26	LASSEN	34,730	10.0	28.8 *	41.2 *	19.8	75.8
27	TUOLUMNE	54,961	35.7	64.9	42.0	29.4	58.3
28	SACRAMENTO	1,420,447	566.7	39.9	42.8	39.3	46.4
29	SOLANO	413,220	168.0	40.7	43.8	37.1	50.5
30	MADERA	151,160	57.3	37.9	44.0	33.4	57.0
31	SAN JOAQUIN	686,761	263.7	38.4	44.4	39.0	49.9
32	CALAVERAS	45,258	28.7	63.3	45.7	30.5	65.7
33	NEVADA	98,484	66.3	67.4	45.8	35.4	58.2
34	INYO	18,627	13.3	71.6 *	46.8 *	25.2	79.6
35	MENDOCINO	87,939	51.7	58.8	47.2	35.2	62.0
36	MERCED	256,386	91.7	35.8	47.3	38.1	58.0
37	COLUSA	21,452	9.3	43.5 *	48.1 *	22.4	90.4
38	STANISLAUS	515,311	217.0	42.1	48.4	41.9	54.9
39	AMADOR	37,907	29.7	78.3	48.4	32.6	69.2
40	KINGS	153,020	48.0	31.4	48.4	35.7	64.2
41	RIVERSIDE	2,191,800	941.0	42.9	49.0	45.8	52.1
42	TULARE	443,638	171.7	38.7	51.1	43.4	58.8
43	YOLO	200,995	91.0	45.3	53.5	43.0	65.6
44	SUTTER	94,800	52.7	55.6	55.0	41.1	72.0
45	GLENN	28,188	16.3	57.9 *	55.2 *	31.8	89.2
46	HUMBOLDT	134,575	82.7	61.4	56.2	44.8	69.7
47	DEL NORTE	28,577	17.0	59.5 *	56.7 *	33.1	90.8
48	SAN BERNARDINO	2,038,771	820.3	40.2	57.0	53.0	61.0
49	SISKIYOU	44,951	39.3	87.5	59.2	42.1	80.8
50	BUTTE	220,024	167.0	75.9	59.4	50.2	68.5
51	YUBA	72,336	36.3	50.2	61.8	43.3	85.4
52	SIERRA	3,231	3.0	92.9 *	64.2 *	13.2	187.8
53	PLUMAS	19,993	18.0	90.0 *	66.1 *	39.2	104.4
54	KERN	841,744	411.3	48.9	68.4	61.7	75.2
55	TEHAMA	63,635	53.7	84.3	70.4	52.9	92.0
56	LAKE	64,466	59.0	91.5	71.1	54.1	91.7
57	SHASTA	177,480	173.3	97.7	71.5	60.7	82.2
58	MODOC	9,676	9.7	99.9 *	71.6 *	33.8	133.1

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

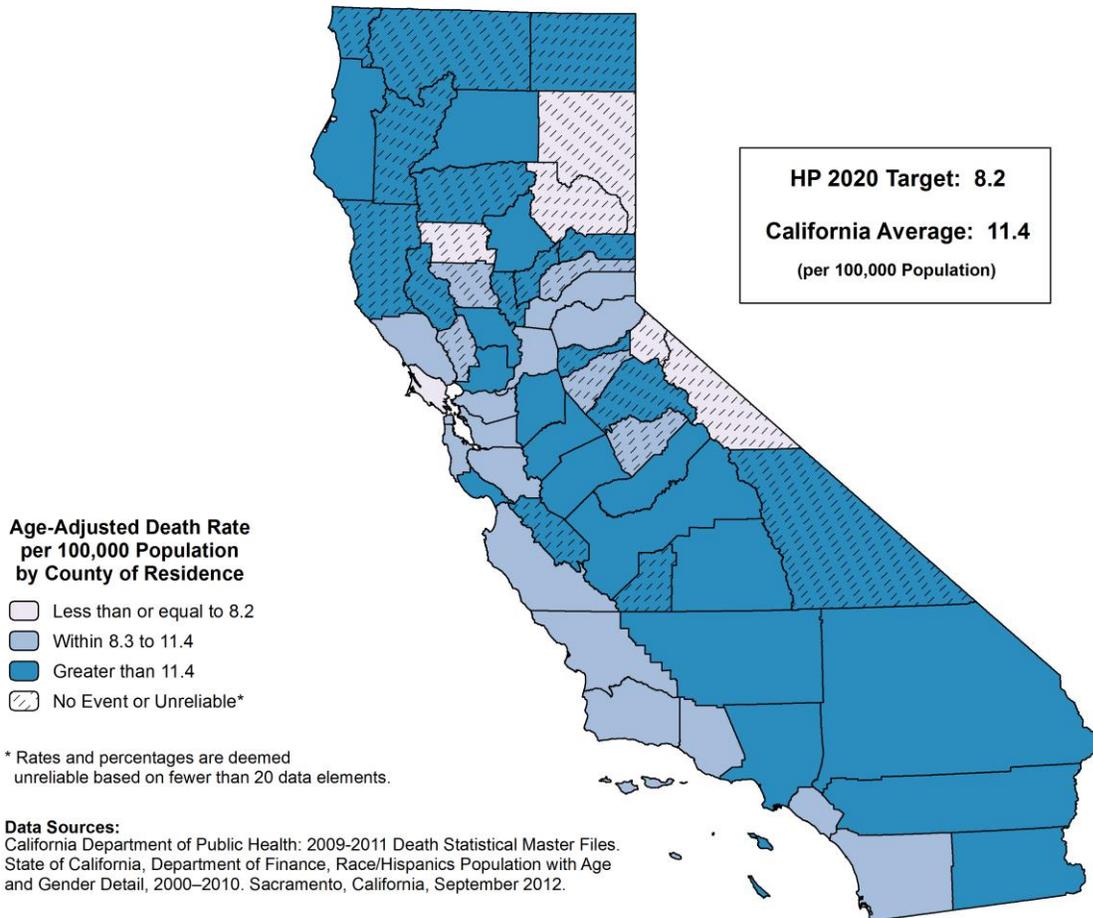
- Rates, percentages, and confidence limits are not calculated for zero events.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS, 2009-2011



The crude death rate from chronic liver disease and cirrhosis for California was 11.7 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 8,582.9 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 4,348.0 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 19.5 in Shasta County to 9.1 in Marin County, a factor of 2.1 to 1.

The age-adjusted death rate from chronic liver disease and cirrhosis for California during the 2009 through 2011 three-year period was 11.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 16.0 in San Joaquin County to 6.5 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 four 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 for the 2006-2008 period was 11.2.

**TABLE 13
DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,147	0.0	-	-	-	-
2	MONO	14,114	0.7	4.7 *	3.2 *	0.0	24.2
3	PLUMAS	19,993	1.7	8.3 *	5.0 *	0.4	20.2
4	GLENN	28,188	2.0	7.1 *	5.9 *	0.7	21.3
5	LASSEN	34,730	2.0	5.8 *	5.9 *	0.7	21.4
6	MARIN	252,767	23.0	9.1	6.5	4.1	9.8
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE SA-11					8.2		
7	EL DORADO	181,183	20.3	11.2	8.4	5.2	12.9
8	NEVADA	98,484	12.0	12.2 *	8.4 *	4.4	14.7
9	COLUSA	21,452	2.0	9.3 *	8.5 *	1.0	30.5
10	PLACER	350,609	36.7	10.5	8.8	6.2	12.1
11	SAN FRANCISCO	807,177	80.7	10.0	8.8	7.0	10.9
12	ALAMEDA	1,513,493	142.0	9.4	8.9	7.4	10.4
13	SANTA CLARA	1,787,553	168.3	9.4	9.3	7.9	10.7
14	CONTRA COSTA	1,052,192	109.0	10.4	9.4	7.6	11.1
15	ORANGE	3,017,089	300.0	9.9	9.6	8.5	10.7
16	SAN MATEO	719,582	80.0	11.1	10.0	7.9	12.4
17	SAN DIEGO	3,104,581	316.7	10.2	10.1	8.9	11.2
18	VENTURA	825,378	88.7	10.7	10.1	8.1	12.4
19	CALAVERAS	45,258	7.7	16.9 *	10.6 *	4.5	21.2
20	SACRAMENTO	1,420,447	156.7	11.0	10.8	9.1	12.5
21	MARIPOSA	18,119	3.0	16.6 *	10.8 *	2.2	31.6
22	SAN LUIS OBISPO	269,753	37.0	13.7	11.0	7.8	15.2
23	MONTEREY	415,825	45.0	10.8	11.1	8.1	14.9
24	SANTA BARBARA	424,291	47.7	11.2	11.2	8.3	14.9
25	SONOMA	484,258	66.0	13.6	11.3	8.8	14.4
26	NAPA	136,681	16.7	12.2 *	11.4 *	6.6	18.3
	CALIFORNIA	37,318,481	4,348.0	11.7	11.4	11.0	11.7
27	RIVERSIDE	2,191,800	252.7	11.5	11.5	10.1	13.0
28	SOLANO	413,220	51.7	12.5	11.6	8.6	15.2
29	MENDOCINO	87,939	13.0	14.8 *	11.9 *	6.3	20.3
30	YOLO	200,995	23.0	11.4	12.2	7.7	18.3
31	DEL NORTE	28,577	4.3	15.2 *	12.2 *	3.5	30.1
32	SUTTER	94,800	11.7	12.3 *	12.2 *	6.2	21.5
33	LOS ANGELES	9,827,070	1,221.7	12.4	12.6	11.9	13.3
34	SAN BERNARDINO	2,038,771	229.7	11.3	12.6	10.9	14.3
35	KERN	841,744	98.0	11.6	13.1	10.6	15.9
36	SANTA CRUZ	263,174	39.0	14.8	13.1	9.3	17.9
37	STANISLAUS	515,311	65.3	12.7	13.2	10.2	16.8
38	SAN BENITO	55,350	7.7	13.9 *	13.6 *	5.7	27.1
39	MERCED	256,386	31.3	12.2	14.3	9.7	20.2
40	KINGS	153,020	18.3	12.0 *	14.3 *	8.5	22.5
41	MADERA	151,160	20.7	13.7	14.3	8.8	22.0
42	BUTTE	220,024	34.3	15.6	14.4	10.0	20.1
43	TULARE	443,638	56.0	12.6	14.6	11.0	18.9
44	AMADOR	37,907	8.7	22.9 *	14.8 *	6.7	28.4
45	FRESNO	933,075	126.7	13.6	14.9	12.3	17.5
46	SHASTA	177,480	34.7	19.5	14.9	10.4	20.8
47	TUOLUMNE	54,961	12.0	21.8 *	15.0 *	7.7	26.2
48	HUMBOLDT	134,575	22.3	16.6	15.1	9.5	22.9
49	IMPERIAL	175,594	25.3	14.4	15.9	10.3	23.5
50	SAN JOAQUIN	686,761	106.3	15.5	16.0	12.9	19.1
51	TEHAMA	63,635	13.0	20.4 *	16.8 *	8.9	28.7
52	SISKIYOU	44,951	12.0	26.7 *	17.1 *	8.8	29.8
53	MODOC	9,676	2.3	24.1 *	17.4 *	2.6	57.7
54	INYO	18,627	4.7	25.1 *	17.5 *	5.4	41.9
55	YUBA	72,336	12.7	17.5 *	18.1 *	9.5	31.1
56	TRINITY	13,883	3.7	26.4 *	19.7 *	5.0	52.3
57	LAKE	64,466	19.0	29.5 *	21.7 *	13.0	33.8
58	SIERRA	3,231	1.0	31.0 *	27.7 *	0.7	154.5

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

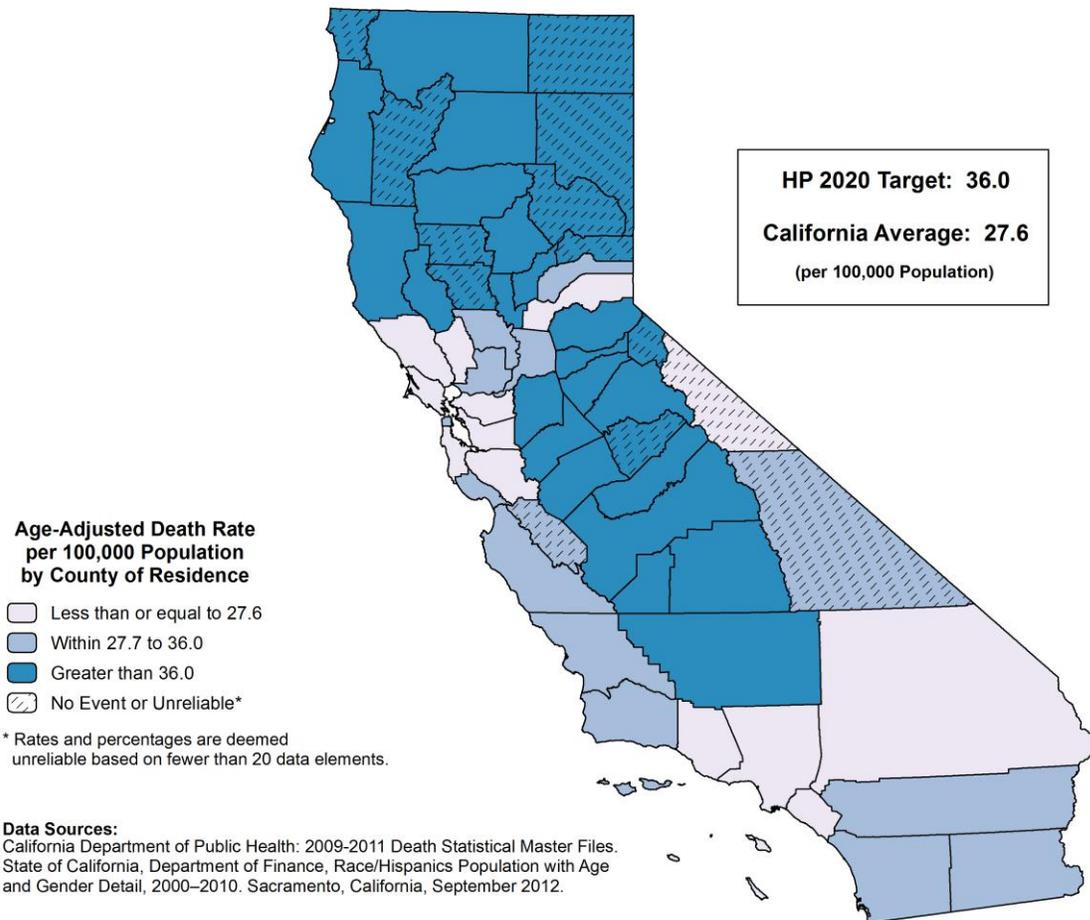
- Rates, percentages, and confidence limits are not calculated for zero events.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES), 2009-2011



The crude death rate from accidents (unintentional injuries) for California was 27.7 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 3,605.7 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 10,350.0 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 97.2 in Lake County to 19.9 in Los Angeles County, a factor of 4.9 to 1.

The age-adjusted death rate from accidents for California during the 2009 through 2011 three-year period was 27.6 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 85.7 in Lake County to 20.0 in Los Angeles County.

Twenty-four 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 for the 2006-2008 period was 30.8.

**TABLE 14
DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES)
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	LOS ANGELES	9,827,070	1,956.3	19.9	20.0	19.1	20.9
2	ALAMEDA	1,513,493	332.7	22.0	21.3	19.0	23.7
3	SAN MATEO	719,582	164.7	22.9	21.4	18.1	24.8
4	ORANGE	3,017,089	670.3	22.2	21.8	20.1	23.5
5	MARIN	252,767	65.7	26.0	22.1	17.1	28.1
6	MONO	14,114	2.7	18.9 *	22.8 *	4.1	70.8
7	SANTA CLARA	1,787,553	401.3	22.5	22.9	20.6	25.1
8	SAN BERNARDINO	2,038,771	480.0	23.5	25.6	23.2	27.9
9	NAPA	136,681	40.7	29.8	25.7	18.4	34.9
10	CONTRA COSTA	1,052,192	281.7	26.8	25.8	22.8	28.9
11	PLACER	350,609	99.7	28.4	26.9	21.9	32.8
12	VENTURA	825,378	225.3	27.3	27.2	23.6	30.7
13	SONOMA	484,258	144.3	29.8	27.2	22.7	31.8
	CALIFORNIA	37,318,481	10,350.0	27.7	27.6	27.1	28.2
14	YOLO	200,995	52.7	26.2	27.9	20.9	36.6
15	SAN BENITO	55,350	14.7	26.5 *	28.1 *	15.6	46.7
16	IMPERIAL	175,594	47.7	27.1	28.6	21.0	38.2
17	SOLANO	413,220	118.0	28.6	28.7	23.4	33.9
18	INYO	18,627	6.0	32.2 *	29.0 *	10.6	63.1
19	SANTA BARBARA	424,291	128.7	30.3	29.2	24.0	34.4
20	MONTEREY	415,825	121.3	29.2	30.0	24.6	35.4
21	SAN DIEGO	3,104,581	963.0	31.0	30.6	28.6	32.5
22	RIVERSIDE	2,191,800	667.3	30.4	31.8	29.3	34.2
23	SANTA CRUZ	263,174	88.3	33.6	32.7	26.2	40.2
24	SACRAMENTO	1,420,447	463.0	32.6	32.8	29.8	35.8
25	SAN FRANCISCO	807,177	303.3	37.6	33.0	29.2	36.7
26	SAN LUIS OBISPO	269,753	98.7	36.6	33.0	26.8	40.2
27	NEVADA	98,484	38.0	38.6	34.0	24.0	46.6
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE IVP-11				36.0		
28	COLUSA	21,452	8.0	37.3 *	36.1 *	15.6	71.0
29	TULARE	443,638	148.0	33.4	36.7	30.7	42.8
30	FRESNO	933,075	325.7	34.9	37.1	33.0	41.2
31	STANISLAUS	515,311	192.7	37.4	38.1	32.7	43.5
32	EL DORADO	181,183	75.3	41.6	38.9	30.6	48.7
33	KINGS	153,020	53.3	34.9	39.7	29.8	51.9
34	SUTTER	94,800	37.3	39.4	40.0	28.2	55.0
35	MERCED	256,386	94.0	36.7	40.9	33.0	50.0
36	MADERA	151,160	60.0	39.7	41.8	31.9	53.8
37	MARIPOSA	18,119	10.3	57.0 *	42.0 *	20.4	76.5
38	KERN	841,744	330.0	39.2	42.3	37.6	47.0
39	SAN JOAQUIN	686,761	286.3	41.7	43.1	38.1	48.1
40	SIERRA	3,231	1.3	41.3 *	44.9 *	2.5	206.7
41	LASSEN	34,730	15.3	44.2 *	44.9 *	25.3	73.7
42	PLUMAS	19,993	9.7	48.4 *	51.1 *	24.2	95.0
43	CALAVERAS	45,258	25.0	55.2	52.6	34.1	77.7
44	MENDOCINO	87,939	53.0	60.3	55.7	41.7	72.8
45	YUBA	72,336	38.0	52.5	55.7	39.4	76.4
46	AMADOR	37,907	25.3	66.8	58.7	38.1	86.4
47	MODOC	9,676	7.0	72.3 *	59.9 *	24.1	123.4
48	TEHAMA	63,635	38.0	59.7	60.2	42.6	82.6
49	TUOLUMNE	54,961	37.7	68.5	61.2	43.2	84.1
50	BUTTE	220,024	144.7	65.8	61.7	51.2	72.3
51	DEL NORTE	28,577	18.3	64.2 *	61.7 *	36.8	97.2
52	SHASTA	177,480	121.0	68.2	62.6	50.9	74.2
53	TRINITY	13,883	10.0	72.0 *	64.6 *	31.0	118.8
54	HUMBOLDT	134,575	90.7	67.4	65.2	52.5	80.1
55	GLENN	28,188	18.0	63.9 *	65.9 *	39.1	104.2
56	SISKIYOU	44,951	36.7	81.6	71.4	50.2	98.6
57	LAKE	64,466	62.7	97.2	85.7	65.8	109.7
58	ALPINE	1,147	0.7	58.1 *	86.0 *	0.4	642.4

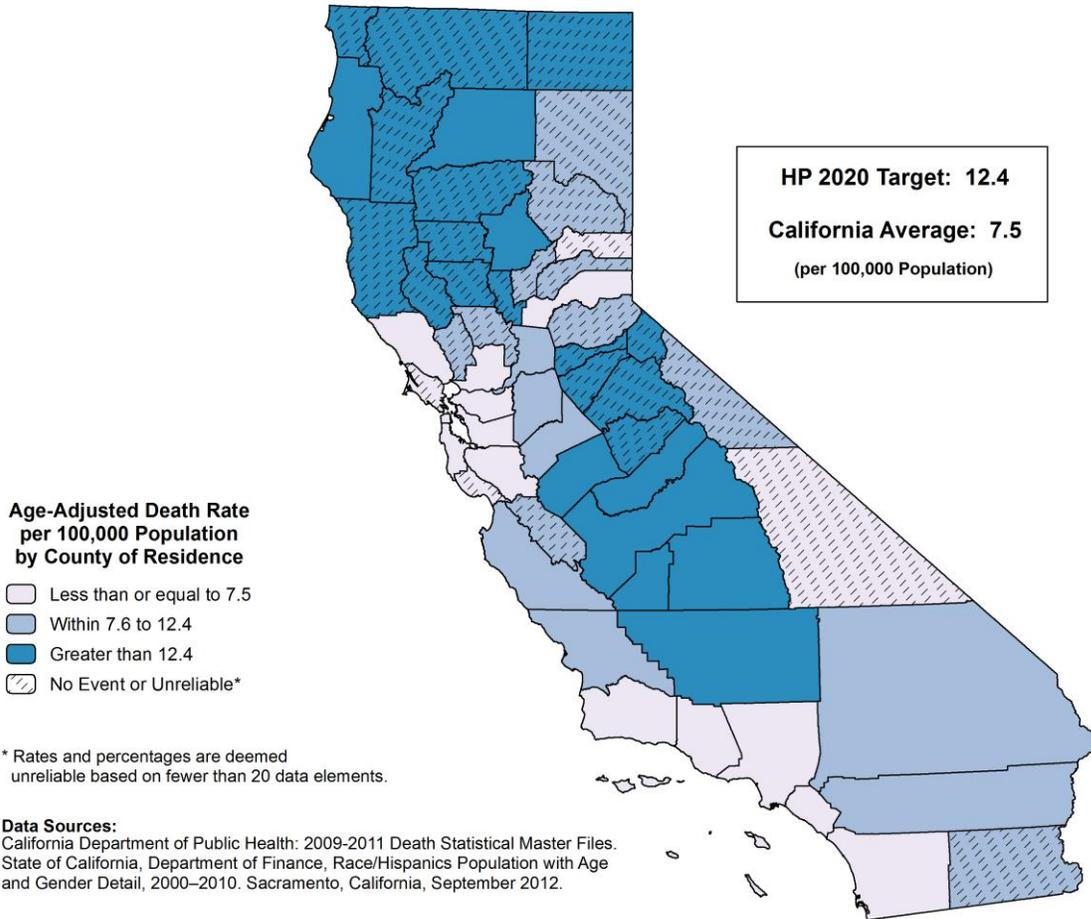
* Rates are deemed unreliable based on fewer than 20 data elements.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO MOTOR VEHICLE TRAFFIC CRASHES, 2009-2011



The crude death rate from motor vehicle traffic crashes for California was 7.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 13,200.7 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 2,827.0 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 18.5 in Madera County to 3.1 in San Francisco County, a factor of 5.9 to 1.

The age-adjusted death rate from motor vehicle traffic crashes for California during the 2009 through 2011 three-year period was 7.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 18.9 in Madera County to 2.9 in San Francisco County.

Twenty 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 thirteen 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 for the 2006-2008 period was 10.6.

**TABLE 15
DEATHS DUE TO MOTOR VEHICLE TRAFFIC CRASHES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	SIERRA	3,231	0.0	-	-	-	-
2	SAN FRANCISCO	807,177	25.3	3.1	2.9	1.9	4.3
3	MARIN	252,767	7.3	2.9 *	3.1 *	1.3	6.4
4	INYO	18,627	1.0	5.4 *	3.6 *	0.1	20.3
5	ALAMEDA	1,513,493	66.7	4.4	4.3	3.4	5.5
6	SAN MATEO	719,582	32.3	4.5	4.4	3.0	6.2
7	ORANGE	3,017,089	145.0	4.8	4.7	3.9	5.4
8	SANTA CLARA	1,787,553	90.7	5.1	5.2	4.1	6.3
9	SANTA CRUZ	263,174	13.7	5.2 *	5.2 *	2.8	8.7
10	CONTRA COSTA	1,052,192	64.3	6.1	6.1	4.7	7.8
11	LOS ANGELES	9,827,070	616.0	6.3	6.2	5.7	6.7
12	SONOMA	484,258	32.0	6.6	6.6	4.5	9.3
13	SAN DIEGO	3,104,581	211.0	6.8	6.6	5.7	7.5
14	SANTA BARBARA	424,291	32.0	7.5	7.1	4.9	10.1
15	PLACER	350,609	24.0	6.8	7.2	4.6	10.7
16	VENTURA	825,378	62.0	7.5	7.4	5.7	9.5
17	SOLANO	413,220	32.3	7.8	7.5	5.2	10.6
	CALIFORNIA	37,318,481	2,827.0	7.6	7.5	7.2	7.7
18	YOLO	200,995	15.3	7.6 *	7.6 *	4.3	12.5
19	SAN LUIS OBISPO	269,753	23.0	8.5	7.8	4.9	11.7
20	NAPA	136,681	11.3	8.3 *	8.0 *	4.1	14.3
21	MONTEREY	415,825	33.7	8.1	8.3	5.7	11.6
22	SACRAMENTO	1,420,447	120.7	8.5	8.5	7.0	10.0
23	EL DORADO	181,183	15.0	8.3 *	8.9 *	5.0	14.7
24	MONO	14,114	0.7	4.7 *	9.2 *	0.0	68.6
25	IMPERIAL	175,594	15.7	8.9 *	9.2 *	5.2	15.1
26	RIVERSIDE	2,191,800	204.7	9.3	9.4	8.1	10.7
27	LASSEN	34,730	3.3	9.6 *	9.7 *	2.2	26.8
28	SAN BERNARDINO	2,038,771	197.7	9.7	9.9	8.5	11.4
29	PLUMAS	19,993	2.7	13.3 *	10.8 *	1.9	33.5
30	SAN BENITO	55,350	6.0	10.8 *	11.3 *	4.1	24.6
31	SAN JOAQUIN	686,761	77.0	11.2	11.4	9.0	14.3
32	STANISLAUS	515,311	58.7	11.4	11.5	8.7	14.8
33	NEVADA	98,484	12.7	12.9 *	12.2 *	6.4	20.9
34	YUBA	72,336	9.0	12.4 *	12.3 *	5.6	23.3
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE IVP-13.1				12.4		
35	BUTTE	220,024	30.7	13.9	13.2	9.0	18.8
36	FRESNO	933,075	120.0	12.9	13.2	10.8	15.6
37	MERCED	256,386	33.0	12.9	13.3	9.2	18.7
38	KERN	841,744	109.7	13.0	13.4	10.8	15.9
39	SUTTER	94,800	13.0	13.7 *	13.4 *	7.2	23.0
40	SHASTA	177,480	25.7	14.5	13.8	9.0	20.3
41	TULARE	443,638	60.7	13.7	14.0	10.7	18.0
42	KINGS	153,020	21.7	14.2	14.6	9.1	22.2
43	HUMBOLDT	134,575	21.7	16.1	15.7	9.8	23.8
44	MENDOCINO	87,939	13.7	15.5 *	16.0 *	8.7	27.0
45	MODOC	9,676	2.3	24.1 *	17.2 *	2.6	57.1
46	AMADOR	37,907	6.7	17.6 *	17.4 *	6.8	36.5
47	SISKIYOU	44,951	8.7	19.3 *	17.5 *	7.9	33.6
48	COLUSA	21,452	3.7	17.1 *	17.9 *	4.5	47.6
49	MARIPOSA	18,119	3.7	20.2 *	18.0 *	4.5	47.9
50	TUOLUMNE	54,961	11.0	20.0 *	18.0 *	9.0	32.2
51	GLENN	28,188	5.0	17.7 *	18.8 *	6.1	43.9
52	MADERA	151,160	28.0	18.5	18.9	12.6	27.3
53	TRINITY	13,883	2.3	16.8 *	19.7 *	3.0	65.3
54	TEHAMA	63,635	12.3	19.4 *	20.0 *	10.4	34.7
55	DEL NORTE	28,577	6.3	22.2 *	20.1 *	7.6	43.0
56	LAKE	64,466	14.3	22.2 *	21.9 *	12.1	36.5
57	CALAVERAS	45,258	10.0	22.1 *	24.5 *	11.7	45.0
58	ALPINE	1,147	0.3	29.1 *	40.9 *	0.0	535.1

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

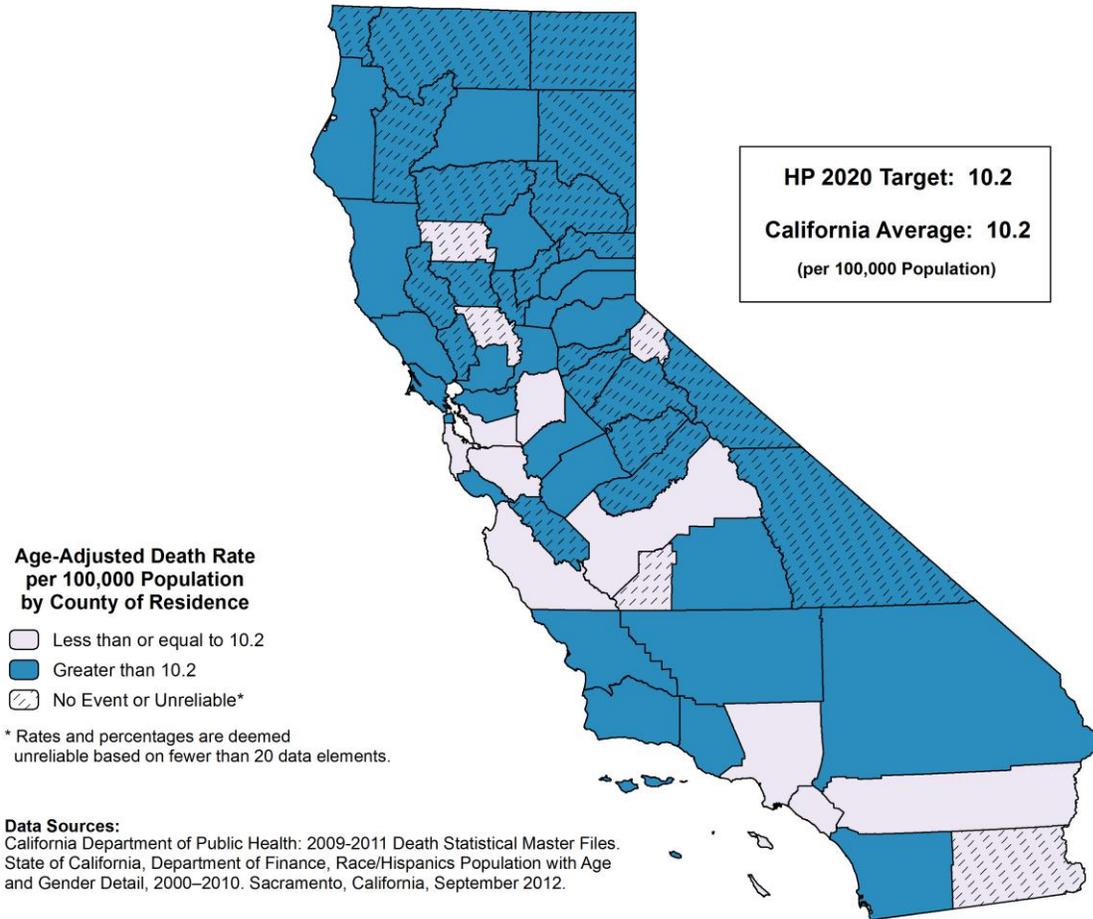
- Rates, percentages, and confidence limits are not calculated for zero events.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO SUICIDE, 2009-2011



The crude death rate from suicide for California was 10.3 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 9,684.8 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 3,853.3 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 24.3 in Humboldt County to 7.8 in Fresno County, a factor of 3.1 to 1.

The age-adjusted death rate from suicide for California during the 2009 through 2011 three-year period was 10.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 22.7 in Humboldt County to 7.8 in Los Angeles County.

Nine 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 four counties with unreliable rates and one county with no deaths due to suicide met the objective.

The California average age-adjusted death rate for the 2006-2008 period was 9.7.

**TABLE 16
DEATHS DUE TO SUICIDE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS		
						LOWER	UPPER	
1	ALPINE	1,147	0.0	-	-	-	-	
2	IMPERIAL	175,594	12.0	6.8 *	7.3 *	3.8	12.7	
3	KINGS	153,020	11.0	7.2 *	7.3 *	3.7	13.1	
4	LOS ANGELES	9,827,070	779.0	7.9	7.8	7.3	8.4	
5	FRESNO	933,075	72.3	7.8	8.1	6.4	10.2	
6	YOLO	200,995	16.3	8.1 *	8.3 *	4.8	13.4	
7	SANTA CLARA	1,787,553	151.0	8.4	8.3	6.9	9.6	
8	MONTEREY	415,825	36.3	8.7	8.8	6.2	12.2	
9	SAN MATEO	719,582	69.0	9.6	8.9	6.9	11.3	
10	ALAMEDA	1,513,493	140.0	9.3	9.0	7.5	10.5	
11	ORANGE	3,017,089	278.3	9.2	9.0	7.9	10.1	
12	GLENN	28,188	2.7	9.5 *	9.6 *	1.7	29.6	
13	RIVERSIDE	2,191,800	211.7	9.7	9.8	8.5	11.1	
14	SAN JOAQUIN	686,761	66.7	9.7	10.2	7.9	13.0	
	CALIFORNIA	37,318,481	3,853.3	10.3	10.2	9.8	10.5	
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE MHMD-1					10.2		
15	TULARE	443,638	41.3	9.3	10.3	7.4	14.0	
16	SAN BENITO	55,350	5.0	9.0 *	10.4 *	3.4	24.2	
17	NAPA	136,681	15.7	11.5 *	10.5 *	5.9	17.1	
18	SAN FRANCISCO	807,177	94.7	11.7	10.5	8.5	12.9	
19	MONO	14,114	1.3	9.4 *	10.6 *	0.6	48.8	
20	CONTRA COSTA	1,052,192	118.7	11.3	10.8	8.8	12.8	
21	SANTA BARBARA	424,291	45.7	10.8	10.9	8.0	14.6	
22	SAN BERNARDINO	2,038,771	215.0	10.5	11.0	9.5	12.5	
23	VENTURA	825,378	95.7	11.6	11.3	9.1	13.8	
24	STANISLAUS	515,311	56.7	11.0	11.4	8.6	14.8	
25	KERN	841,744	89.7	10.7	11.5	9.2	14.1	
26	SAN DIEGO	3,104,581	366.7	11.8	11.5	10.3	12.7	
27	LASSEN	34,730	4.3	12.5 *	11.5 *	3.1	29.5	
28	SUTTER	94,800	11.3	12.0 *	11.9 *	6.0	21.1	
29	SACRAMENTO	1,420,447	175.0	12.3	12.1	10.3	13.9	
30	MERCED	256,386	29.0	11.3	12.6	8.4	18.1	
31	SOLANO	413,220	53.0	12.8	12.7	9.5	16.6	
32	SONOMA	484,258	69.7	14.4	13.1	10.2	16.5	
33	MADERA	151,160	19.0	12.6 *	13.1 *	7.9	20.5	
34	SANTA CRUZ	263,174	36.3	13.8	13.6	9.6	18.9	
35	MARIN	252,767	40.0	15.8	13.8	9.8	18.8	
36	YUBA	72,336	9.7	13.4 *	13.9 *	6.5	25.7	
37	PLACER	350,609	53.0	15.1	14.4	10.8	18.9	
38	SAN LUIS OBISPO	269,753	49.7	18.4	16.3	12.1	21.5	
39	COLUSA	21,452	3.3	15.5 *	16.8 *	3.9	46.7	
40	SIERRA	3,231	0.3	10.3 *	17.0 *	0.0	222.5	
41	TEHAMA	63,635	12.0	18.9 *	17.8 *	9.2	31.2	
42	MODOC	9,676	2.3	24.1 *	17.9 *	2.7	59.3	
43	EL DORADO	181,183	38.0	21.0	18.7	13.2	25.7	
44	BUTTE	220,024	45.0	20.5	19.5	14.2	26.1	
45	PLUMAS	19,993	4.3	21.7 *	19.8 *	5.8	49.1	
46	INYO	18,627	4.3	23.3 *	20.4 *	6.0	50.6	
47	NEVADA	98,484	20.7	21.0	21.4	13.2	32.8	
48	MENDOCINO	87,939	21.3	24.3	22.2	13.8	33.8	
49	SHASTA	177,480	42.3	23.9	22.2	16.0	30.0	
50	DEL NORTE	28,577	6.7	23.3 *	22.5 *	8.8	47.2	
51	HUMBOLDT	134,575	32.7	24.3	22.7	15.6	31.9	
52	TUOLUMNE	54,961	13.7	24.9 *	23.4 *	12.7	39.5	
53	AMADOR	37,907	11.3	29.9 *	25.0 *	12.6	44.4	
54	CALAVERAS	45,258	13.0	28.7 *	25.2 *	13.4	43.1	
55	TRINITY	13,883	3.3	24.0 *	25.4 *	5.8	70.5	
56	MARIPOSA	18,119	5.3	29.4 *	26.7 *	9.1	60.8	
57	LAKE	64,466	19.7	30.5 *	26.7 *	16.3	41.4	
58	SISKIYOU	44,951	11.3	25.2 *	27.1 *	13.7	48.0	

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

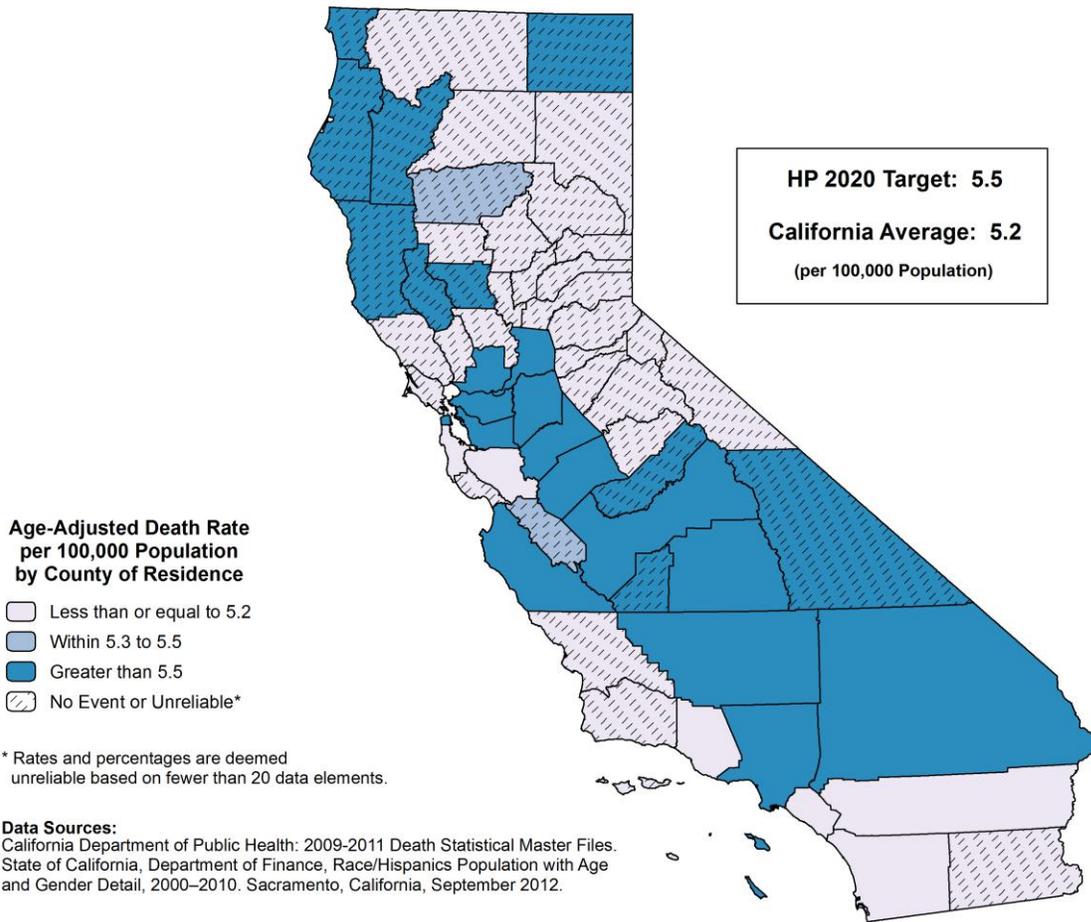
- Rates, percentages, and confidence limits are not calculated for zero events.

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

Sources: California Department of Public Health, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DEATHS DUE TO HOMICIDE, 2009-2011



The crude death rate from homicide for California was 5.3 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 18,734.2 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 1,992.0 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 10.9 in Monterey County to 2.5 in Orange County and Ventura County, a factor of 4.3 to 1.

The age-adjusted death rate from homicide for California during the 2009 through 2011 three-year period was 5.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 10.4 in San Joaquin County to 2.5 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-three counties with unreliable rates and five counties with no homicide deaths met the objective.

The California average age-adjusted death rate for the 2006-2008 period was 6.4.

**TABLE 17
DEATHS DUE TO HOMICIDE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS		
						LOWER	UPPER	
1	PLUMAS	19,993	0.0	-	-	-	-	
2	MARIPOSA	18,119	0.0	-	-	-	-	
3	MONO	14,114	0.0	-	-	-	-	
4	SIERRA	3,231	0.0	-	-	-	-	
5	ALPINE	1,147	0.0	-	-	-	-	
6	NAPA	136,681	1.3	1.0 *	1.1 *	0.1	5.1	
7	GLENN	28,188	0.3	1.2 *	1.3 *	0.0	16.7	
8	CALAVERAS	45,258	1.0	2.2 *	1.5 *	0.0	8.4	
9	IMPERIAL	175,594	3.0	1.7 *	1.7 *	0.4	5.0	
10	EL DORADO	181,183	3.3	1.8 *	1.8 *	0.4	5.1	
11	SAN LUIS OBISPO	269,753	5.7	2.1 *	1.9 *	0.7	4.1	
12	PLACER	350,609	6.3	1.8 *	1.9 *	0.7	4.0	
13	YOLO	200,995	4.7	2.3 *	2.2 *	0.7	5.3	
14	ORANGE	3,017,089	76.7	2.5	2.5	2.0	3.1	
15	VENTURA	825,378	21.0	2.5	2.5	1.6	3.9	
16	SANTA CLARA	1,787,553	46.3	2.6	2.6	1.9	3.4	
17	SHASTA	177,480	4.0	2.3 *	2.6 *	0.7	6.6	
18	SANTA BARBARA	424,291	11.0	2.6 *	2.6 *	1.3	4.7	
19	TUOLUMNE	54,961	1.3	2.4 *	2.6 *	0.1	12.1	
20	SISKIYOU	44,951	1.0	2.2 *	2.6 *	0.1	14.6	
21	SAN DIEGO	3,104,581	86.3	2.8	2.6	2.1	3.3	
22	SONOMA	484,258	12.7	2.6 *	2.7 *	1.4	4.7	
23	MARIN	252,767	6.0	2.4 *	2.7 *	1.0	5.9	
24	NEVADA	98,484	2.7	2.7 *	3.0 *	0.5	9.4	
25	SAN MATEO	719,582	22.3	3.1	3.3	2.1	5.0	
26	SANTA CRUZ	263,174	10.3	3.9 *	3.8 *	1.8	6.8	
27	RIVERSIDE	2,191,800	91.0	4.2	4.2	3.4	5.1	
28	BUTTE	220,024	9.7	4.4 *	4.5 *	2.1	8.4	
29	LASSEN	34,730	1.7	4.8 *	4.6 *	0.4	18.5	
30	YUBA	72,336	3.3	4.6 *	4.9 *	1.1	13.6	
31	AMADOR	37,907	2.0	5.3 *	5.0 *	0.6	18.1	
32	SUTTER	94,800	4.7	4.9 *	5.0 *	1.6	12.1	
	CALIFORNIA	37,318,481	1,992.0	5.3	5.2	5.0	5.4	
33	SAN BENITO	55,350	2.7	4.8 *	5.4 *	1.0	16.8	
34	TEHAMA	63,635	3.3	5.2 *	5.5 *	1.3	15.3	
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE IVP-29					5.5		
35	KINGS	153,020	8.3	5.4 *	5.6 *	2.5	10.9	
36	SACRAMENTO	1,420,447	81.3	5.7	5.6	4.4	7.0	
37	SAN FRANCISCO	807,177	50.0	6.2	5.7	4.2	7.5	
38	MADERA	151,160	8.3	5.5 *	5.7 *	2.5	11.1	
39	HUMBOLDT	134,575	7.3	5.4 *	5.9 *	2.4	11.9	
40	SAN BERNARDINO	2,038,771	124.3	6.1	6.0	4.9	7.0	
41	LOS ANGELES	9,827,070	661.3	6.7	6.4	5.9	6.8	
42	STANISLAUS	515,311	33.3	6.5	6.4	4.4	9.0	
43	LAKE	64,466	4.0	6.2 *	6.5 *	1.8	16.6	
44	INYO	18,627	1.3	7.2 *	6.7 *	0.4	30.9	
45	MENDOCINO	87,939	5.7	6.4 *	6.8 *	2.4	15.2	
46	COLUSA	21,452	1.3	6.2 *	6.9 *	0.4	31.9	
47	FRESNO	933,075	67.3	7.2	7.1	5.5	9.0	
48	TRINITY	13,883	0.7	4.8 *	7.3 *	0.0	54.8	
49	TULARE	443,638	34.3	7.7	7.4	5.1	10.3	
50	SOLANO	413,220	32.0	7.7	7.8	5.3	11.0	
51	MERCED	256,386	20.0	7.8	7.9	4.8	12.1	
52	ALAMEDA	1,513,493	127.3	8.4	8.1	6.7	9.5	
53	CONTRA COSTA	1,052,192	83.3	7.9	8.4	6.7	10.4	
54	DEL NORTE	28,577	2.7	9.3 *	8.5 *	1.5	26.4	
55	KERN	841,744	74.7	8.9	8.7	6.8	10.9	
56	MONTEREY	415,825	45.3	10.9	10.0	7.3	13.4	
57	SAN JOAQUIN	686,761	71.0	10.3	10.4	8.1	13.1	
58	MODOC	9,676	1.0	10.3 *	10.9 *	0.3	60.7	

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

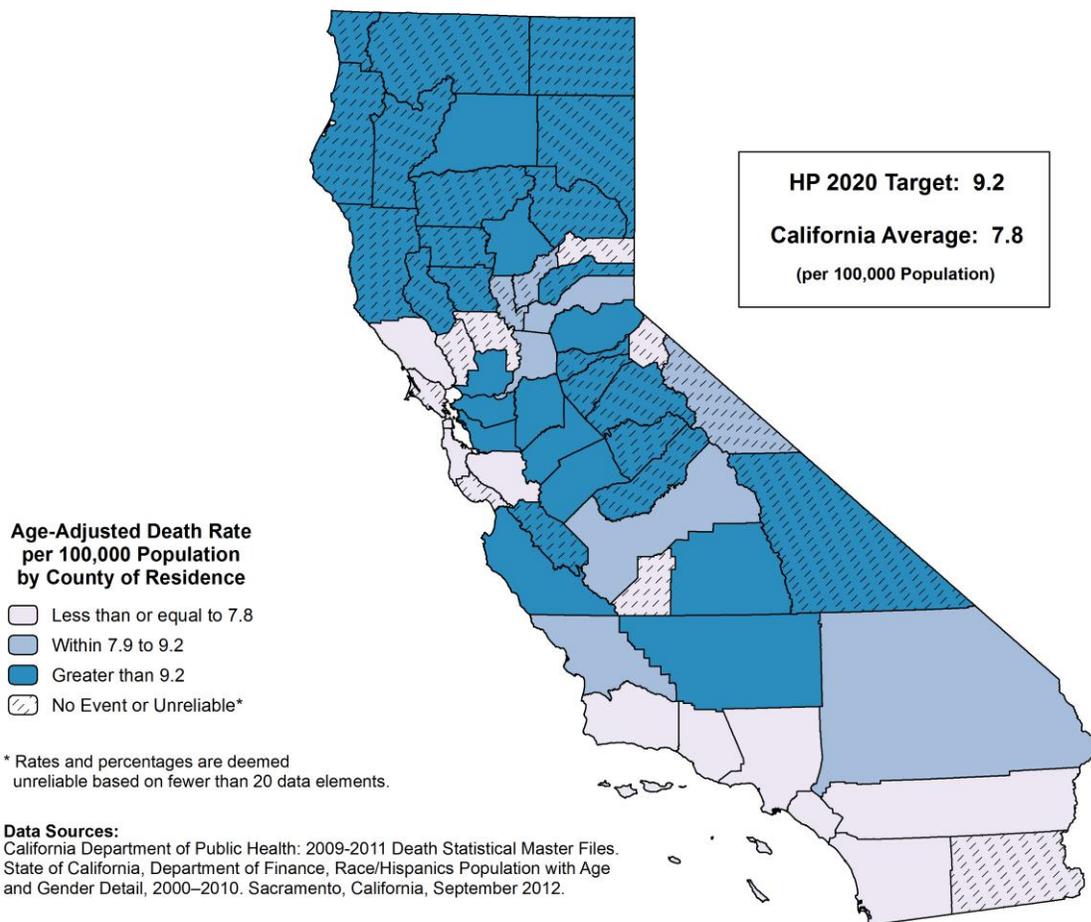
- Rates, percentages, and confidence limits are not calculated for zero events.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

FIREARM-RELATED DEATHS, 2009-2011



The crude death rate from firearm-related injuries for California was 8.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 12,566.4 persons. This rate was based on the 2009 through 2011 three-year average number of deaths equaling 2,969.7 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 15.4 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 2009 through 2011 three-year period was 7.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 13.8 in Shasta County to 4.2 in Santa Clara County.

Fifteen 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 ten 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 for the 2006-2008 period was 8.8.

**TABLE 18
FIREARM-RELATED DEATHS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,147	0.0	-	-	-	-
2	SANTA CLARA	1,787,553	76.3	4.3	4.2	3.3	5.2
3	YOLO	200,995	9.0	4.5 *	4.4 *	2.0	8.3
4	ORANGE	3,017,089	146.0	4.8	4.7	3.9	5.5
5	NAPA	136,681	7.0	5.1 *	4.9 *	2.0	10.1
6	SANTA BARBARA	424,291	22.3	5.3	5.3	3.3	8.0
7	SAN MATEO	719,582	38.0	5.3	5.4	3.8	7.4
8	SIERRA	3,231	0.3	10.3 *	5.5 *	0.0	71.7
9	SAN FRANCISCO	807,177	50.0	6.2	5.6	4.2	7.4
10	KINGS	153,020	8.3	5.4 *	5.6 *	2.5	11.0
11	VENTURA	825,378	47.3	5.7	5.6	4.2	7.5
12	IMPERIAL	175,594	9.0	5.1 *	5.7 *	2.6	10.7
13	MARIN	252,767	16.7	6.6 *	5.9 *	3.4	9.5
14	SAN DIEGO	3,104,581	191.3	6.2	6.0	5.1	6.8
15	SONOMA	484,258	34.7	7.2	6.8	4.7	9.4
16	RIVERSIDE	2,191,800	149.0	6.8	6.9	5.8	8.0
17	SANTA CRUZ	263,174	19.7	7.5 *	7.2 *	4.4	11.2
18	LOS ANGELES	9,827,070	797.0	8.1	7.8	7.2	8.3
	CALIFORNIA	37,318,481	2,969.7	8.0	7.8	7.5	8.1
19	SUTTER	94,800	7.7	8.1 *	8.0 *	3.4	15.9
20	SAN LUIS OBISPO	269,753	26.0	9.6	8.0	5.2	11.8
21	PLACER	350,609	30.7	8.7	8.2	5.6	11.7
22	FRESNO	933,075	77.7	8.3	8.3	6.5	10.3
23	SACRAMENTO	1,420,447	124.7	8.8	8.5	7.0	10.0
24	MONO	14,114	1.0	7.1 *	8.6 *	0.2	48.1
25	SAN BERNARDINO	2,038,771	177.7	8.7	8.9	7.6	10.2
26	YUBA	72,336	6.3	8.8 *	9.1 *	3.5	19.5
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE IVP-30					9.2	
27	STANISLAUS	515,311	48.7	9.4	9.5	7.0	12.6
28	MADERA	151,160	14.0	9.3 *	9.6 *	5.3	16.2
29	MERCED	256,386	25.0	9.8	9.8	6.3	14.4
30	SAN BENITO	55,350	4.7	8.4 *	9.9 *	3.1	23.8
31	PLUMAS	19,993	2.3	11.7 *	10.0 *	1.5	33.3
32	ALAMEDA	1,513,493	159.7	10.5	10.2	8.6	11.8
33	LASSEN	34,730	3.7	10.6 *	10.3 *	2.6	27.4
34	GLENN	28,188	3.0	10.6 *	10.3 *	2.1	30.2
35	SOLANO	413,220	44.3	10.7	10.9	7.9	14.6
36	TULARE	443,638	47.3	10.7	10.9	8.0	14.5
37	MONTEREY	415,825	48.3	11.6	11.0	8.1	14.6
38	HUMBOLDT	134,575	17.0	12.6 *	11.2 *	6.5	18.0
39	CONTRA COSTA	1,052,192	116.0	11.0	11.4	9.3	13.5
40	BUTTE	220,024	28.0	12.7	11.6	7.7	16.7
41	TEHAMA	63,635	8.3	13.1 *	11.8 *	5.2	23.0
42	KERN	841,744	97.0	11.5	11.9	9.6	14.5
43	EL DORADO	181,183	24.0	13.2	12.1	7.8	18.1
44	SAN JOAQUIN	686,761	84.3	12.3	12.4	9.9	15.3
45	NEVADA	98,484	12.3	12.5 *	12.4 *	6.5	21.6
46	TUOLUMNE	54,961	7.7	13.9 *	12.7 *	5.4	25.4
47	SHASTA	177,480	27.3	15.4	13.8	9.1	20.0
48	CALAVERAS	45,258	8.3	18.4 *	13.8 *	6.1	26.9
49	COLUSA	21,452	3.0	14.0 *	15.0 *	3.1	43.9
50	AMADOR	37,907	8.0	21.1 *	15.6 *	6.8	30.8
51	MARIPOSA	18,119	3.0	16.6 *	15.7 *	3.2	46.0
52	SISKIYOU	44,951	7.3	16.3 *	16.0 *	6.6	32.4
53	DEL NORTE	28,577	5.0	17.5 *	16.2 *	5.3	37.8
54	LAKE	64,466	13.0	20.2 *	16.7 *	8.9	28.6
55	MENDOCINO	87,939	15.0	17.1 *	17.1 *	9.6	28.2
56	TRINITY	13,883	2.7	19.2 *	18.5 *	3.3	57.3
57	INYO	18,627	4.3	23.3 *	19.9 *	5.8	49.3
58	MODOC	9,676	3.3	34.4 *	28.8 *	6.6	79.9

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

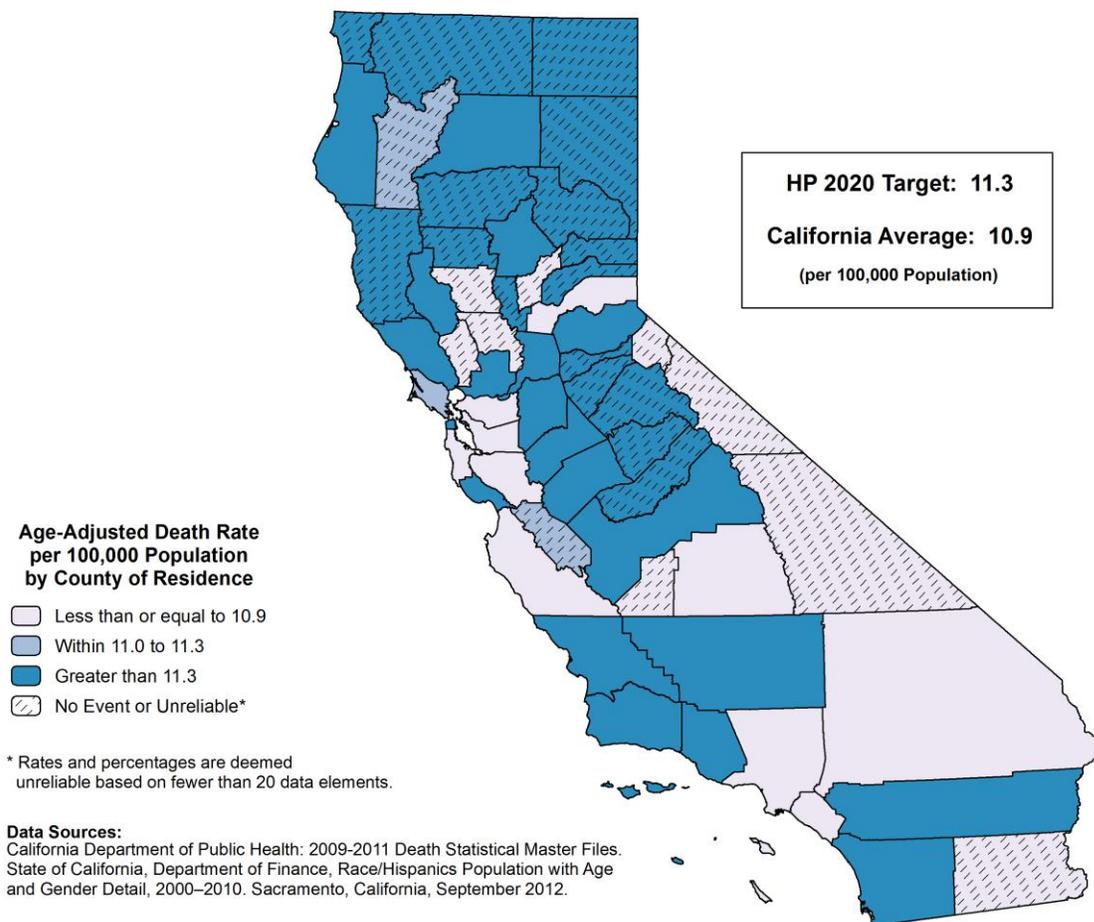
- Rates, percentages, and confidence limits are not calculated for zero events.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

DRUG-INDUCED DEATHS, 2009-2011



The crude death rate from drug-induced deaths for California was 11.3 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 8,869.9 persons. This rate was based on a 2009 through 2011 three-year average number of deaths equaling 4,207.3 and population count of 37,318,481 as of July 1, 2010. Among counties with reliable rates, the crude rate ranged from 51.2 in Lake County to 7.2 in Los Angeles County, a factor of 7.1 to 1.

The age-adjusted death rate from drug-induced deaths for California during the 2009 through 2011 three-year period was 10.9 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 45.3 in Lake County to 6.9 in Santa Clara County.

Eleven 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 ten 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 for the 2006-2008 period was 11.1.

**TABLE 19
DRUG-INDUCED DEATHS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS		
						LOWER	UPPER	
1	ALPINE	1,147	0.0	-	-	-	-	
2	COLUSA	21,452	1.0	4.7 *	3.6 *	0.1	19.8	
3	YUBA	72,336	4.3	6.0 *	6.2 *	1.8	15.3	
4	SANTA CLARA	1,787,553	129.7	7.3	6.9	5.7	8.1	
5	LOS ANGELES	9,827,070	709.7	7.2	7.0	6.5	7.5	
6	SAN MATEO	719,582	56.7	7.9	7.3	5.5	9.5	
7	INYO	18,627	1.3	7.2 *	8.0 *	0.4	36.8	
8	PLACER	350,609	31.0	8.8	8.3	5.6	11.7	
9	KINGS	153,020	13.0	8.5 *	8.7 *	4.6	14.8	
10	TULARE	443,638	35.0	7.9	9.1	6.3	12.6	
11	ALAMEDA	1,513,493	151.7	10.0	9.3	7.8	10.8	
12	YOLO	200,995	18.0	9.0 *	9.6 *	5.7	15.2	
13	MONO	14,114	1.3	9.4 *	9.8 *	0.5	44.9	
14	SAN BERNARDINO	2,038,771	198.7	9.7	9.8	8.4	11.2	
15	CONTRA COSTA	1,052,192	112.7	10.7	9.9	8.0	11.7	
16	MONTEREY	415,825	41.7	10.0	10.2	7.3	13.8	
17	ORANGE	3,017,089	322.3	10.7	10.3	9.2	11.4	
18	NAPA	136,681	17.0	12.4 *	10.5 *	6.1	16.8	
19	IMPERIAL	175,594	17.3	9.9 *	10.5 *	6.1	16.7	
	CALIFORNIA	37,318,481	4,207.3	11.3	10.9	10.6	11.3	
20	MARIN	252,767	31.0	12.3	11.2	7.6	15.9	
21	SAN BENITO	55,350	6.3	11.4 *	11.2 *	4.2	23.8	
22	TRINITY	13,883	1.7	12.0 *	11.3 *	1.0	45.2	
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE SA-12					11.3		
23	RIVERSIDE	2,191,800	253.3	11.6	11.7	10.2	13.1	
24	VENTURA	825,378	97.7	11.8	11.7	9.5	14.3	
25	FRESNO	933,075	103.0	11.0	11.7	9.5	14.0	
26	MADERA	151,160	17.7	11.7 *	12.1 *	7.1	19.2	
27	MERCED	256,386	28.0	10.9	12.1	8.0	17.5	
28	SAN DIEGO	3,104,581	391.3	12.6	12.2	11.0	13.4	
29	SONOMA	484,258	65.0	13.4	12.2	9.4	15.6	
30	DEL NORTE	28,577	3.7	12.8 *	12.8 *	3.2	34.1	
31	SOLANO	413,220	54.7	13.2	13.0	9.8	16.9	
32	TEHAMA	63,635	8.0	12.6 *	13.4 *	5.8	26.4	
33	SANTA BARBARA	424,291	55.0	13.0	13.4	10.1	17.5	
34	NEVADA	98,484	13.7	13.9 *	14.0 *	7.6	23.6	
35	MARIPOSA	18,119	4.3	23.9 *	14.3 *	4.2	35.3	
36	SAN LUIS OBISPO	269,753	39.7	14.7	14.5	10.4	19.8	
37	SACRAMENTO	1,420,447	219.0	15.4	15.1	13.1	17.2	
38	SANTA CRUZ	263,174	43.0	16.3	15.9	11.5	21.4	
39	SUTTER	94,800	14.3	15.1 *	16.2 *	8.9	27.0	
40	STANISLAUS	515,311	86.3	16.8	16.9	13.6	20.9	
41	MENDOCINO	87,939	18.0	20.5 *	17.4 *	10.3	27.6	
42	KERN	841,744	147.0	17.5	18.3	15.3	21.2	
43	SAN JOAQUIN	686,761	131.0	19.1	19.4	16.1	22.7	
44	MODOC	9,676	1.7	17.2 *	19.5 *	1.7	78.2	
45	EL DORADO	181,183	38.7	21.3	19.8	14.1	27.1	
46	SAN FRANCISCO	807,177	182.3	22.6	20.0	17.0	22.9	
47	LASSEN	34,730	8.3	24.0 *	22.1 *	9.7	43.0	
48	SISKIYOU	44,951	10.3	23.0 *	24.2 *	11.8	44.0	
49	GLENN	28,188	6.7	23.7 *	26.2 *	10.3	55.0	
50	AMADOR	37,907	12.0	31.7 *	27.2 *	14.0	47.5	
51	SHASTA	177,480	53.7	30.2	29.1	21.8	38.0	
52	TUOLUMNE	54,961	16.0	29.1 *	31.0 *	17.7	50.3	
53	PLUMAS	19,993	5.3	26.7 *	32.3 *	11.0	73.4	
54	CALAVERAS	45,258	15.0	33.1 *	34.8 *	19.5	57.5	
55	BUTTE	220,024	78.0	35.5	36.0	28.4	44.9	
56	HUMBOLDT	134,575	50.3	37.4	36.7	27.3	48.4	
57	SIERRA	3,231	1.0	31.0 *	39.4 *	1.0	219.6	
58	LAKE	64,466	33.0	51.2	45.3	31.2	63.6	

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

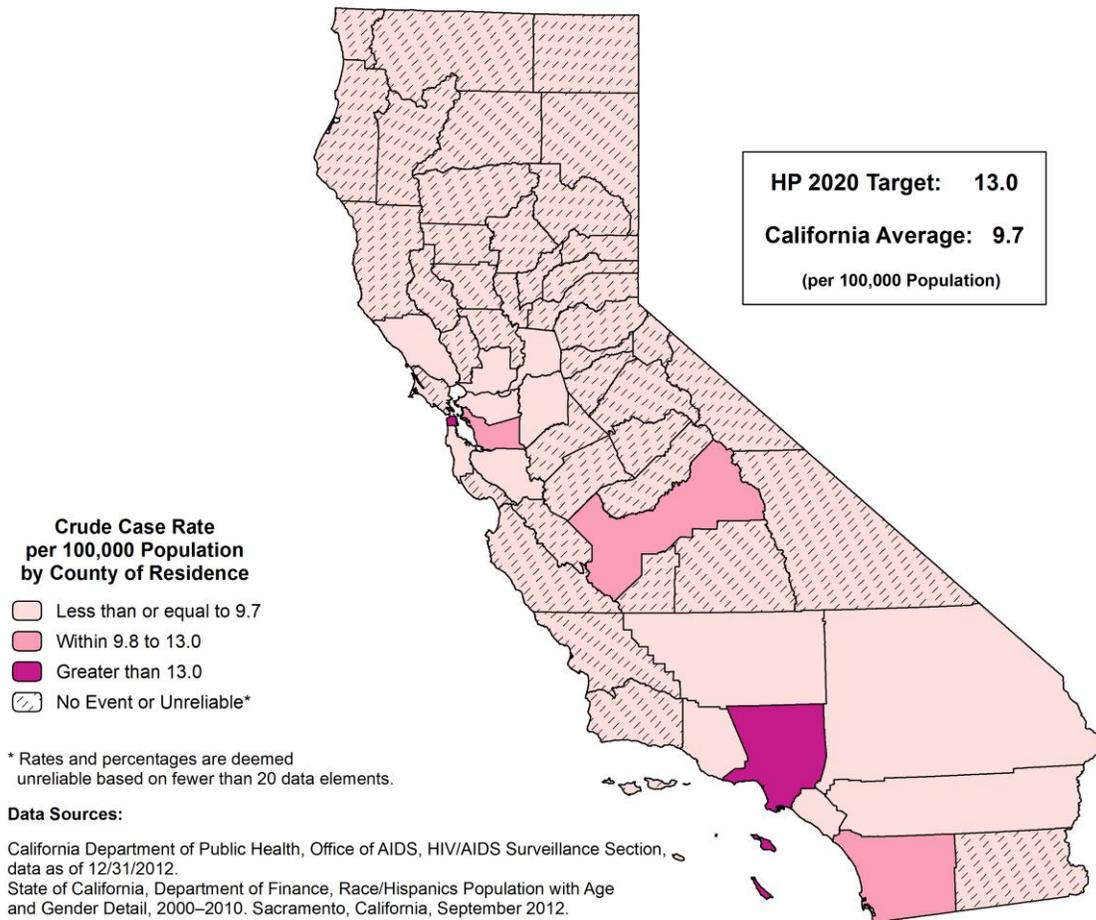
- Rates, percentages, and confidence limits are not calculated for zero events.

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, 2009-2011 Death Statistical Master Files.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OLDER, 2009-2011



The crude case rate of reported AIDS cases for Californians aged 13 years and older was 9.7 cases per 100,000 population or approximately one reported AIDS case for every 10,290.7 persons. This rate was based on a 2009 through 2011 three-year average reported number of cases equaling 2,995.0 and a population count of 30,820,500, for ages 13 years and older, as of July 1, 2010.

Among counties with reliable rates, the crude case rate ranged from 38.9 in San Francisco County to 3.1 in Ventura County, a factor of 12.6 to 1.

Fifteen counties with a reliable crude case rate met the Healthy People 2020 National Objective HIV-4 of no more than 13.0 AIDS case per 100,000 population aged 13 years and older. Thirty-six counties with unreliable rates and five counties with no new AIDS cases met the objective. The statewide AIDS crude case met the national objective.

The California crude case rate for the 2006-2008 period was 12.4.

**TABLE 20
REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OVER
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION AGED 13 AND OVER	2009-2011 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	PLUMAS	17,494	0.0	-	-	-
2	COLUSA	16,837	0.0	-	-	-
3	MODOC	8,199	0.0	-	-	-
4	SIERRA	2,862	0.0	-	-	-
5	ALPINE	955	0.0	-	-	-
6	CALAVERAS	39,382	0.3	0.8 *	0.0	11.1
7	SHASTA	150,168	1.3	0.9 *	0.0	4.1
8	AMADOR	33,756	0.3	1.0 *	0.0	12.9
9	LASSEN	30,262	0.3	1.1 *	0.0	14.4
10	YUBA	56,989	0.7	1.2 *	0.0	8.7
11	NEVADA	85,345	1.0	1.2 *	0.0	6.5
12	SUTTER	76,251	1.0	1.3 *	0.0	7.3
13	GLENN	22,445	0.3	1.5 *	0.0	19.4
14	PLACER	291,584	4.3	1.5 *	0.4	3.7
15	BUTTE	187,740	3.0	1.6 *	0.3	4.7
16	HUMBOLDT	115,458	2.0	1.7 *	0.2	6.3
17	TEHAMA	52,203	1.0	1.9 *	0.0	10.7
18	MARIPOSA	15,951	0.3	2.1 *	0.0	27.3
19	INYO	15,908	0.3	2.1 *	0.0	27.4
20	EL DORADO	152,913	3.3	2.2 *	0.5	6.1
21	YOLO	168,849	4.3	2.6 *	0.7	6.3
22	SISKIYOU	38,429	1.0	2.6 *	0.1	14.5
23	MENDOCINO	74,047	2.0	2.7 *	0.3	9.8
24	KINGS	121,948	3.3	2.7 *	0.6	7.6
25	TRINITY	12,174	0.3	2.7 *	0.0	35.8
26	DEL NORTE	24,245	0.7	2.7 *	0.0	20.5
27	MONO	11,879	0.3	2.8 *	0.0	36.7
28	SAN LUIS OBISPO	234,255	6.7	2.8 *	1.1	6.0
29	SANTA BARBARA	355,303	10.7	3.0 *	1.5	5.4
30	SAN BENITO	44,130	1.3	3.0 *	0.2	13.9
31	VENTURA	678,157	21.0	3.1	1.9	4.7
32	SANTA CRUZ	224,160	7.7	3.4 *	1.4	6.8
33	TULARE	339,385	11.7	3.4 *	1.8	6.1
34	LAKE	55,077	2.0	3.6 *	0.4	13.1
35	MERCED	198,996	7.3	3.7 *	1.5	7.5
36	SAN MATEO	605,078	23.7	3.9	2.5	5.8
37	MONTEREY	335,776	13.7	4.1 *	2.2	6.9
38	TUOLUMNE	48,439	2.0	4.1 *	0.5	14.9
39	MADERA	120,463	5.0	4.2 *	1.3	9.7
40	STANISLAUS	411,961	19.0	4.6 *	2.8	7.2
41	NAPA	114,587	6.3	5.5 *	2.1	11.8
42	SOLANO	342,502	20.0	5.8	3.6	9.0
43	SONOMA	409,021	24.3	5.9	3.8	8.8
44	ORANGE	2,509,472	169.3	6.7	5.7	7.8
45	MARIN	214,225	14.7	6.8 *	3.8	11.4
46	SAN BERNARDINO	1,626,793	113.0	6.9	5.7	8.2
47	RIVERSIDE	1,765,887	125.0	7.1	5.8	8.3
48	SACRAMENTO	1,166,702	84.0	7.2	5.7	8.9
49	SAN JOAQUIN	545,528	39.3	7.2	5.1	9.8
50	CONTRA COSTA	867,346	69.7	8.0	6.3	10.2
51	KERN	660,456	55.0	8.3	6.3	10.8
52	IMPERIAL	140,108	12.0	8.6 *	4.4	15.0
53	SANTA CLARA	1,473,073	132.3	9.0	7.5	10.5
	CALIFORNIA	30,820,500	2,995.0	9.7	9.4	10.1
54	FRESNO	735,427	74.0	10.1	7.9	12.6
55	SAN DIEGO	2,601,339	301.0	11.6	10.3	12.9
56	ALAMEDA	1,269,605	159.7	12.6	10.6	14.5
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE HIV-4			13.0		
57	LOS ANGELES	8,173,205	1,148.3	14.0	13.2	14.9
58	SAN FRANCISCO	729,773	283.7	38.9	34.3	43.4

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

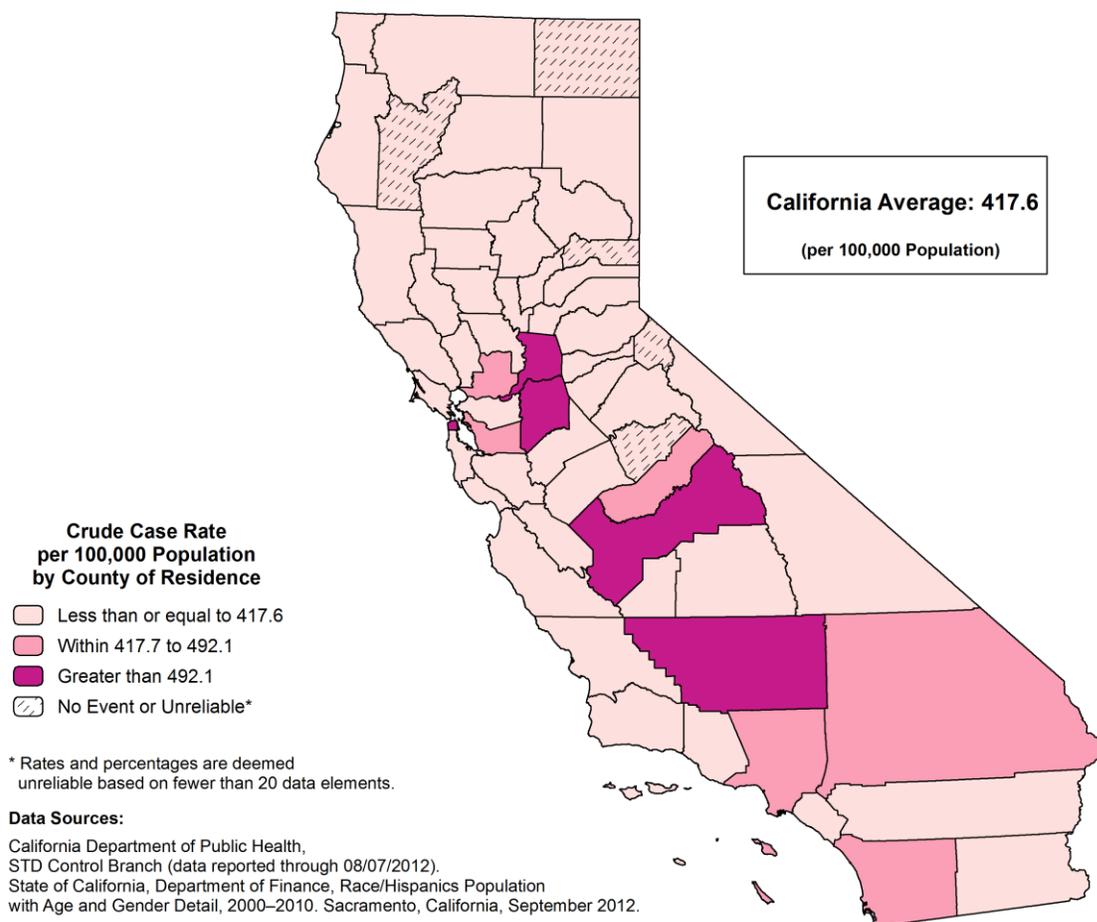
- Rates, percentages, and confidence limits are not calculated for zero events.

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 12/31/2012.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000–2010. Sacramento, California, September 2012.

REPORTED INCIDENCE OF CHLAMYDIA, 2009-2011



The crude case rate of reported chlamydia cases for California was 417.6 cases per 100,000 population or approximately one reported chlamydia case for every 239.5 persons. This rate was based on a 2009 through 2011 three-year average reported number of cases equaling 155,844.7 and population count of 37,318,481 as of July 1, 2010.

Among counties with reliable rates, the crude case rate ranged from 637.1 in Kern County to 117.1 in Calaveras County, a factor of 5.4 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 15-24 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 for the 2006-2008 period was 391.0

**TABLE 21
REPORTED INCIDENCE OF CHLAMYDIA
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: NONE						
1	MODOC	9,676	4.3	44.8 *	13.0	110.8
2	MARIPOSA	18,119	15.3	84.6 *	47.7	138.8
3	ALPINE	1,147	1.0	87.2 *	2.2	485.8
4	SIERRA	3,231	3.0	92.9 *	19.1	271.3
5	TRINITY	13,883	13.7	98.4 *	53.4	166.2
6	CALAVERAS	45,258	53.0	117.1	87.7	153.2
7	COLUSA	21,452	25.3	118.1	76.7	173.9
8	EL DORADO	181,183	240.3	132.6	115.9	149.4
9	NEVADA	98,484	134.7	136.7	113.6	159.8
10	INYO	18,627	30.0	161.1	108.7	229.9
11	LASSEN	34,730	56.7	163.2	123.5	211.6
12	DEL NORTE	28,577	50.3	176.1	130.9	232.0
13	TUOLUMNE	54,961	99.0	180.1	146.4	219.3
14	GLENN	28,188	51.0	180.9	134.7	237.9
15	SISKIYOU	44,951	83.3	185.4	147.7	229.7
16	PLACER	350,609	652.3	186.1	171.8	200.3
17	AMADOR	37,907	70.7	186.4	145.5	235.3
18	NAPA	136,681	269.0	196.8	173.3	220.3
19	MONO	14,114	28.3	200.7	133.7	289.5
20	MARIN	252,767	560.7	221.8	203.5	240.2
21	PLUMAS	19,993	47.3	236.7	174.2	314.5
22	SUTTER	94,800	227.7	240.2	209.0	271.4
23	SONOMA	484,258	1,196.3	247.0	233.0	261.0
24	LAKE	64,466	163.0	252.8	214.0	291.7
25	TEHAMA	63,635	164.7	258.8	219.2	298.3
26	SAN LUIS OBISPO	269,753	712.3	264.1	244.7	283.5
27	SAN MATEO	719,582	1,902.7	264.4	252.5	276.3
28	ORANGE	3,017,089	8,078.7	267.8	261.9	273.6
29	MENDOCINO	87,939	236.7	269.1	234.8	303.4
30	SHASTA	177,480	481.3	271.2	247.0	295.4
31	HUMBOLDT	134,575	366.7	272.5	244.6	300.4
32	SANTA CRUZ	263,174	719.7	273.5	253.5	293.4
33	YOLO	200,995	570.7	283.9	260.6	307.2
34	VENTURA	825,378	2,372.0	287.4	275.8	298.9
35	YUBA	72,336	217.0	300.0	260.1	339.9
36	SANTA CLARA	1,787,553	5,570.0	311.6	303.4	319.8
37	SAN BENITO	55,350	177.0	319.8	272.7	366.9
38	RIVERSIDE	2,191,800	7,391.7	337.2	329.6	344.9
39	MONTEREY	415,825	1,435.3	345.2	327.3	363.0
40	KINGS	153,020	532.3	347.9	318.3	377.4
41	SANTA BARBARA	424,291	1,481.3	349.1	331.4	366.9
42	STANISLAUS	515,311	1,822.7	353.7	337.5	369.9
43	BUTTE	220,024	804.7	365.7	340.4	391.0
44	CONTRA COSTA	1,052,192	3,905.0	371.1	359.5	382.8
45	TULARE	443,638	1,655.0	373.1	355.1	391.0
46	MERCED	256,386	963.3	375.7	352.0	399.5
47	IMPERIAL	175,594	671.7	382.5	353.6	411.4
	CALIFORNIA	37,318,481	155,844.7	417.6	415.5	419.7
48	SOLANO	413,220	1,829.7	442.8	422.5	463.1
49	SAN BERNARDINO	2,038,771	9,062.0	444.5	435.3	453.6
50	ALAMEDA	1,513,493	6,822.0	450.7	440.0	461.4
51	MADERA	151,160	686.3	454.0	420.1	488.0
52	SAN DIEGO	3,104,581	15,014.0	483.6	475.9	491.3
53	LOS ANGELES	9,827,070	48,363.3	492.1	487.8	496.5
54	SAN JOAQUIN	686,761	3,656.0	532.4	515.1	549.6
55	SAN FRANCISCO	807,177	4,517.3	559.6	543.3	576.0
56	SACRAMENTO	1,420,447	8,354.3	588.1	575.5	600.8
57	FRESNO	933,075	5,868.0	628.9	612.8	645.0
58	KERN	841,744	5,363.0	637.1	620.1	654.2

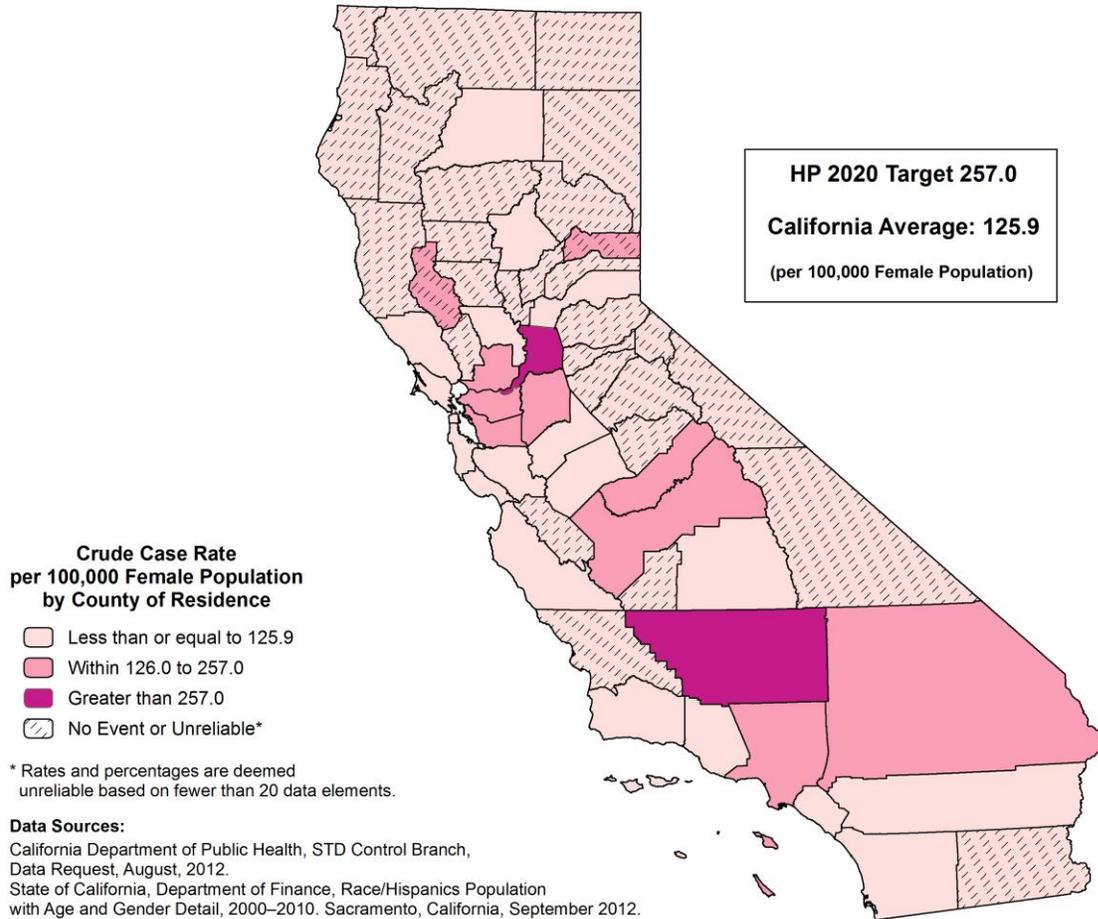
* Rates are deemed unreliable based on fewer than 20 data elements.

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 08/07/2012).

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000–2010. Sacramento, California, September 2012.

REPORTED INCIDENCE OF GONORRHEA AMONG FEMALES 15 TO 44 YEARS OLD, 2009-2011



The crude case rate of reported gonorrhea cases among females aged 15 to 44 for California was 125.9 cases per 100,000 population or approximately one reported gonorrhea case for every 794.4 persons. This rate was based on a 2009 through 2011 three-year average reported number of cases equaling 10,014.7 and population count of 7,955,836 females aged 15 to 44 as of July 1, 2010.

Among counties with reliable rates, the crude case rate ranged from 309.0 in Sacramento County to 34.0 in Santa Barbara County, a factor of 9.1 to 1.

Twenty-seven counties with reliable crude case rates met the Healthy People 2020 National Objective STD-6.1 of no more than 257.0 new gonorrhea cases per 100,000 population for females, aged 15 to 44. An additional twenty-six counties with unreliable rates and three counties with no new gonorrhea cases met the objective. The statewide gonorrhea crude case rate met the national objective.

The California crude case rate for the 2006-2008 period was 168.8.

**TABLE 22F
REPORTED INCIDENCE OF GONORRHEA AMONG FEMALES 15 TO 44 YEARS OLD
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 FEMALE POPULATION 15 TO 44 YRS OLD	2009-2011 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	PLUMAS	2,742	0.0	-	-	-
2	MODOC	1,411	0.0	-	-	-
3	ALPINE	155	0.0	-	-	-
4	COLUSA	4,056	0.3	8.2 *	0.0	107.5
5	MONO	3,003	0.3	11.1 *	0.0	145.2
6	MARIPOSA	2,475	0.3	13.5 *	0.0	176.1
7	LASSEN	4,197	0.7	15.9 *	0.1	118.7
8	TRINITY	1,817	0.3	18.3 *	0.0	239.9
9	EL DORADO	28,533	8.0	28.0 *	12.1	55.2
10	SAN LUIS OBISPO	50,389	16.3	32.4 *	18.6	52.4
11	CALAVERAS	5,997	2.0	33.4 *	4.0	120.5
12	SANTA BARBARA	91,164	31.0	34.0	23.1	48.3
13	TEHAMA	10,922	4.0	36.6 *	10.0	93.8
14	NEVADA	13,636	5.0	36.7 *	11.9	85.6
15	SONOMA	91,374	35.3	38.7	27.0	53.7
16	SAN MATEO	149,589	59.0	39.4	30.0	50.9
17	NAPA	25,296	10.0	39.5 *	19.0	72.7
18	DEL NORTE	4,193	1.7	39.7 *	3.5	159.5
19	YOLO	49,759	20.7	41.5	25.6	63.7
20	SANTA CRUZ	55,892	23.7	42.3	27.0	63.2
21	IMPERIAL	35,001	15.0	42.9 *	24.0	70.7
22	ORANGE	647,871	292.0	45.1	39.9	50.2
23	MONTEREY	85,396	38.7	45.3	32.1	62.0
24	INYO	2,856	1.3	46.7 *	2.6	214.9
25	VENTURA	166,306	78.3	47.1	37.3	58.8
26	MARIN	41,421	20.0	48.3	29.5	74.6
27	SAN BENITO	11,262	5.7	50.3 *	17.8	111.9
28	PLACER	63,786	33.0	51.7	35.6	72.7
29	TULARE	92,123	47.7	51.7	38.1	68.7
30	HUMBOLDT	26,796	14.0	52.2 *	28.6	87.7
31	AMADOR	4,590	2.7	58.1 *	10.5	180.0
32	SANTA CLARA	381,031	228.0	59.8	52.1	67.6
33	KINGS	28,851	17.3	60.1 *	35.2	95.8
34	TUOLUMNE	7,325	4.7	63.7 *	19.7	152.9
35	MERCED	54,426	35.3	64.9	45.3	90.1
36	GLENN	5,113	3.3	65.2 *	15.0	181.2
37	STANISLAUS	107,534	70.7	65.7	51.3	82.9
38	SUTTER	18,755	12.3	65.8 *	34.3	114.0
39	BUTTE	43,326	28.7	66.2	44.2	95.2
40	MENDOCINO	14,772	10.0	67.7 *	32.5	124.5
41	SISKIYOU	6,378	4.7	73.2 *	22.6	175.6
42	RIVERSIDE	454,653	366.7	80.6	72.4	88.9
43	YUBA	14,865	12.0	80.7 *	41.7	141.0
44	SAN DIEGO	677,783	564.0	83.2	76.3	90.1
45	SHASTA	30,632	26.3	86.0	56.3	125.7
46	SAN FRANCISCO	195,228	221.7	113.5	98.6	128.5
	CALIFORNIA	7,955,836	10,014.7	125.9	123.4	128.3
47	SAN BERNARDINO	445,396	636.3	142.9	131.8	154.0
48	MADERA	33,112	49.0	148.0	109.5	195.6
49	LOS ANGELES	2,205,646	3,372.0	152.9	147.7	158.0
50	SIERRA	411	0.7	162.1 *	0.8	1211.1
51	LAKE	10,083	19.3	191.7 *	116.0	298.3
52	CONTRA COSTA	209,065	438.0	209.5	189.9	229.1
53	SOLANO	82,335	177.3	215.4	183.7	247.1
54	ALAMEDA	339,081	736.0	217.1	201.4	232.7
55	SAN JOAQUIN	142,148	325.0	228.6	203.8	253.5
56	FRESNO	198,633	485.3	244.3	222.6	266.1
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE STD-6.1			257.0		
57	KERN	170,838	462.3	270.6	246.0	295.3
58	SACRAMENTO	304,409	940.7	309.0	289.3	328.8

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

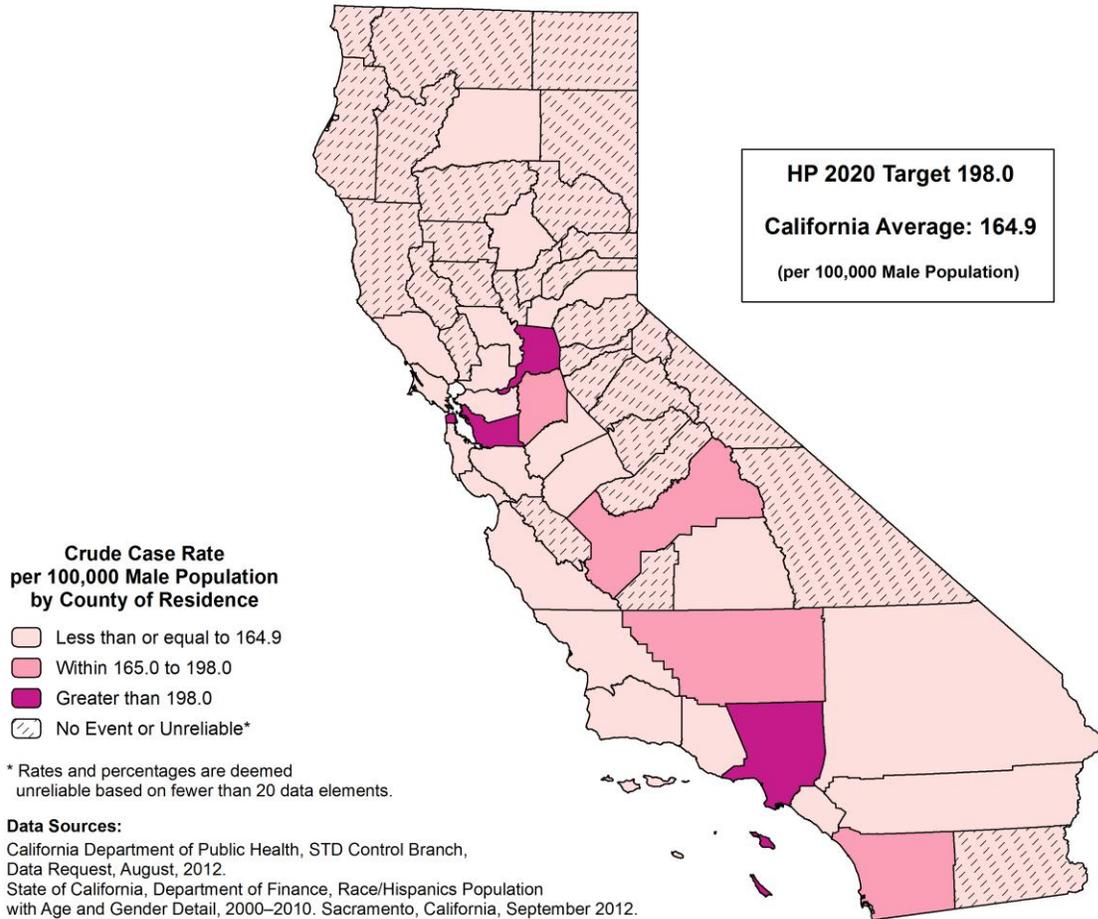
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing 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, 2012.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

**REPORTED INCIDENCE OF GONORRHEA
AMONG MALES AGES 15 TO 44 YEARS OLD, 2009-2011**



The crude case rate of reported gonorrhea cases among males aged 15 to 44 for California was 164.9 cases per 100,000 population or approximately one reported gonorrhea case for every 606.4 persons. This rate was based on a 2009 through 2011 three-year average reported number of cases equaling 13,629.3 and a population count of 8,264,462 males aged 15 to 44 as of July 1, 2010.

Among counties with reliable rates, the crude case rate ranged from 690.1 in San Francisco County to 34.9 in San Luis Obispo County, a factor of 19.8 to 1.

Twenty-five counties with reliable crude case rates met the Healthy People 2020 National Objective STD-6.2 of no more than 198.0 new gonorrhea cases per 100,000 population for males, aged 15-44. An additional twenty-four counties with unreliable rates and five counties with no new gonorrhea cases met the objective. The statewide gonorrhea crude case rate met the national objective.

The California average crude case rate for the 2006-2008 period was 174.9.

**TABLE 22M
 REPORTED INCIDENCE OF GONORRHEA AMONG MALES 15 TO 44 YEARS OLD
 RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
 CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 MALE POPULATION 15 TO 44 YRS OLD	2009-2011 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	DEL NORTE	7,328	0.0	-	-	-
2	MARIPOSA	2,568	0.0	-	-	-
3	MODOC	1,533	0.0	-	-	-
4	SIERRA	431	0.0	-	-	-
5	ALPINE	168	0.0	-	-	-
6	MONO	3,452	0.3	9.7 *	0.0	126.3
7	LASSEN	13,445	1.3	9.9 *	0.6	45.7
8	NEVADA	14,632	2.0	13.7 *	1.7	49.4
9	EL DORADO	30,177	6.0	19.9 *	7.3	43.3
10	TUOLUMNE	10,539	2.3	22.1 *	3.4	73.5
11	COLUSA	4,394	1.0	22.8 *	0.6	126.8
12	GLENN	5,344	1.3	25.0 *	1.4	114.9
13	NAPA	26,549	8.3	31.4 *	13.8	61.0
14	AMADOR	7,265	2.3	32.1 *	4.9	106.7
15	IMPERIAL	41,253	13.3	32.3 *	17.4	54.9
16	SAN BENITO	11,328	3.7	32.4 *	8.2	86.1
17	TRINITY	2,058	0.7	32.4 *	0.2	242.0
18	YUBA	15,347	5.0	32.6 *	10.6	76.0
19	INYO	3,032	1.0	33.0 *	0.8	183.8
20	KINGS	43,326	15.0	34.6 *	19.4	57.1
21	SAN LUIS OBISPO	60,143	21.0	34.9	21.6	53.4
22	TEHAMA	11,432	4.0	35.0 *	9.5	89.6
23	CALAVERAS	6,389	2.3	36.5 *	5.5	121.3
24	MENDOCINO	16,390	6.0	36.6 *	13.4	79.7
25	TULARE	96,105	39.3	40.9	29.1	55.9
26	SANTA BARBARA	99,522	41.0	41.2	29.6	55.9
27	MONTEREY	98,681	45.7	46.3	33.8	61.8
28	PLACER	63,890	30.7	48.0	32.5	68.3
29	VENTURA	173,544	83.3	48.0	38.3	59.5
30	HUMBOLDT	29,616	14.3	48.4 *	26.7	80.7
31	BUTTE	46,567	22.7	48.7	30.7	73.3
32	SANTA CRUZ	58,472	29.0	49.6	33.2	71.2
33	MERCED	57,471	31.0	53.9	36.6	76.6
34	SONOMA	96,170	53.0	55.1	41.3	72.1
35	YOLO	48,355	26.7	55.1	36.2	80.4
36	PLUMAS	2,902	1.7	57.4 *	5.1	230.5
37	MADERA	30,000	17.3	57.8 *	33.9	92.1
38	SUTTER	19,379	11.7	60.2 *	30.8	106.0
39	STANISLAUS	109,205	68.3	62.6	48.6	79.3
40	SHASTA	31,185	21.3	68.4	42.5	104.2
41	SISKIYOU	6,943	5.0	72.0 *	23.4	168.1
42	RIVERSIDE	464,379	344.7	74.2	66.4	82.1
43	SANTA CLARA	401,630	298.7	74.4	65.9	82.8
44	SAN MATEO	151,360	127.7	84.3	69.7	99.0
45	ORANGE	659,562	567.7	86.1	79.0	93.1
46	MARIN	43,994	40.3	91.7	65.6	124.7
47	SAN BERNARDINO	451,848	520.3	115.2	105.3	125.1
48	CONTRA COSTA	205,870	270.3	131.3	115.7	147.0
49	LAKE	10,751	15.3	142.6 *	80.4	234.0
50	SOLANO	86,163	136.3	158.2	131.7	184.8
	CALIFORNIA	8,264,462	13,629.3	164.9	162.1	167.7
51	SAN DIEGO	733,343	1,210.3	165.0	155.7	174.3
52	FRESNO	206,595	369.0	178.6	160.4	196.8
53	SAN JOAQUIN	146,295	270.3	184.8	162.8	206.8
54	KERN	198,657	372.7	187.6	168.5	206.6
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE STD-6.2			198.0		
55	LOS ANGELES	2,248,341	5,436.0	241.8	235.4	248.2
56	ALAMEDA	336,029	817.0	243.1	226.5	259.8
57	SACRAMENTO	305,842	763.3	249.6	231.9	267.3
58	SAN FRANCISCO	207,273	1,430.3	690.1	654.3	725.8

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

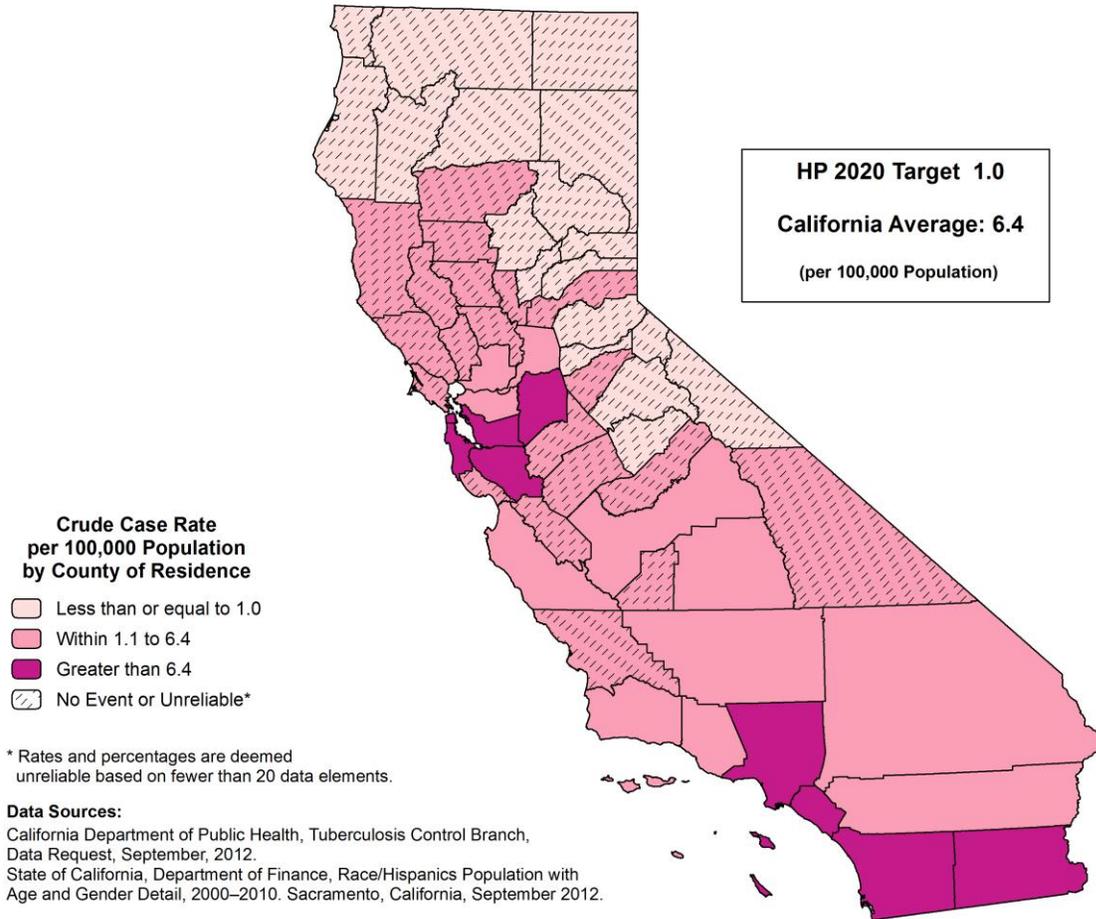
- Rates, percentages, and confidence limits are not calculated for zero events.

Note: Counties were rank ordered first by increasing 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, 2012.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

REPORTED INCIDENCE OF TUBERCULOSIS, 2009-2011



The crude case rate of reported tuberculosis cases for California was 6.4 cases per 100,000 population or approximately one reported tuberculosis case for every 15,711.1 persons. This rate was based on a 2009 through 2011 three-year average reported number of cases equaling 2,375.3 and population count of 37,318,481 as of July 1, 2010.

Among counties with reliable rates, the crude case rate ranged from 16.7 in Imperial County to 3.2 in San Bernardino County and Riverside County, a factor of 5.3 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 tuberculosis case per 100,000 population. Eight 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 for the 2006-2008 period was 7.5.

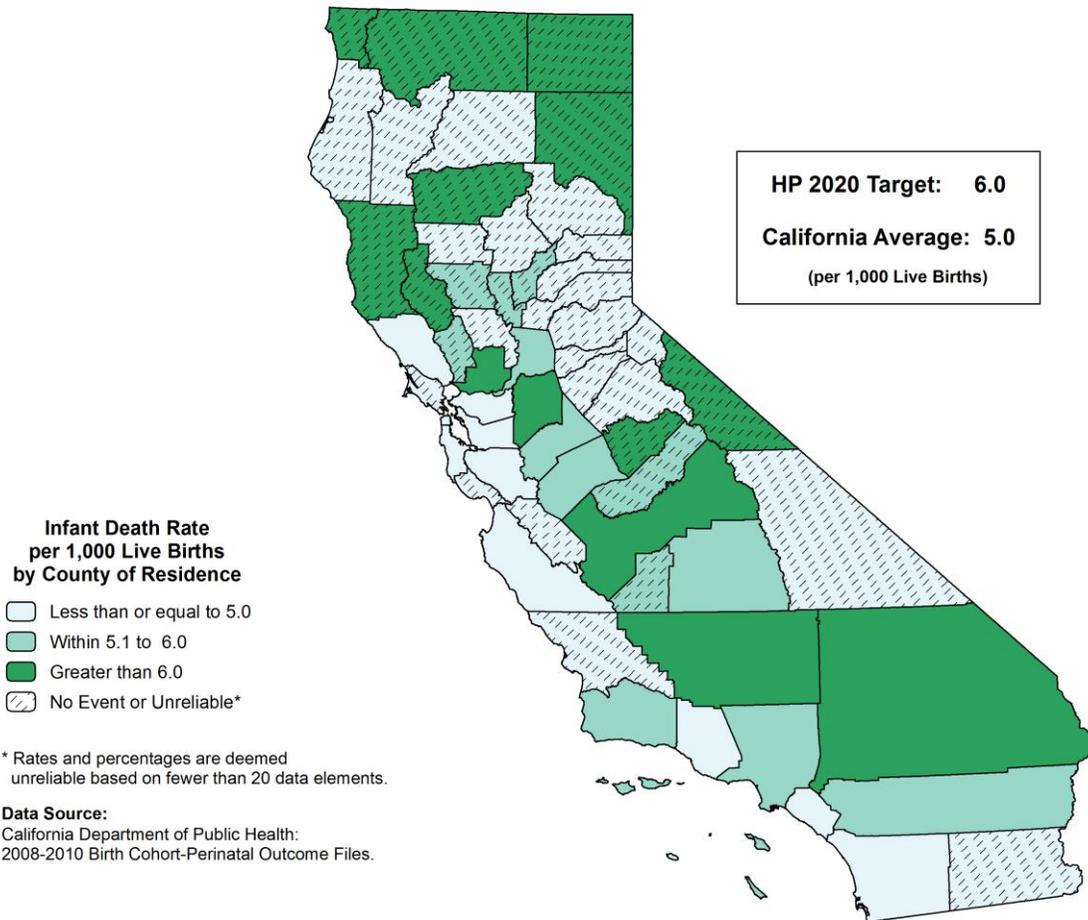
**TABLE 23
REPORTED INCIDENCE OF TUBERCULOSIS
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 POPULATION	2009-2011 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	SISKIYOU	44,951	0.0	-	-	-
2	LASSEN	34,730	0.0	-	-	-
3	DEL NORTE	28,577	0.0	-	-	-
4	PLUMAS	19,993	0.0	-	-	-
5	MARIPOSA	18,119	0.0	-	-	-
6	MONO	14,114	0.0	-	-	-
7	TRINITY	13,883	0.0	-	-	-
8	MODOC	9,676	0.0	-	-	-
9	SIERRA	3,231	0.0	-	-	-
10	ALPINE	1,147	0.0	-	-	-
11	NEVADA	98,484	0.3	0.3 *	0.0	4.4
12	SHASTA	177,480	1.0	0.6 *	0.0	3.1
13	BUTTE	220,024	1.3	0.6 *	0.0	2.8
14	TUOLUMNE	54,961	0.3	0.6 *	0.0	7.9
15	AMADOR	37,907	0.3	0.9 *	0.0	11.5
16	EL DORADO	181,183	1.7	0.9 *	0.1	3.7
17	YUBA	72,336	0.7	0.9 *	0.0	6.9
18	HUMBOLDT	134,575	1.3	1.0 *	0.1	4.6
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE IID-29				1.0		
19	GLENN	28,188	0.3	1.2 *	0.0	15.5
20	LAKE	64,466	1.0	1.6 *	0.0	8.6
21	TEHAMA	63,635	1.0	1.6 *	0.0	8.8
22	SAN LUIS OBISPO	269,753	4.3	1.6 *	0.5	4.0
23	PLACER	350,609	5.7	1.6 *	0.6	3.6
24	INYO	18,627	0.3	1.8 *	0.0	23.4
25	MENDOCINO	87,939	1.7	1.9 *	0.2	7.6
26	SONOMA	484,258	10.3	2.1 *	1.0	3.9
27	CALAVERAS	45,258	1.0	2.2 *	0.1	12.3
28	SAN BENITO	55,350	1.3	2.4 *	0.1	11.1
29	STANISLAUS	515,311	15.0	2.9 *	1.6	4.8
30	MERCED	256,386	7.7	3.0 *	1.3	6.0
31	KINGS	153,020	4.7	3.0 *	0.9	7.3
32	SANTA CRUZ	263,174	8.3	3.2 *	1.4	6.2
33	SAN BERNARDINO	2,038,771	64.7	3.2	2.4	4.0
34	RIVERSIDE	2,191,800	70.3	3.2	2.5	4.1
35	SUTTER	94,800	3.3	3.5 *	0.8	9.8
36	YOLO	200,995	7.3	3.6 *	1.5	7.4
37	CONTRA COSTA	1,052,192	46.7	4.4	3.3	5.9
38	KERN	841,744	38.7	4.6	3.3	6.3
39	COLUSA	21,452	1.0	4.7 *	0.1	26.0
40	VENTURA	825,378	38.7	4.7	3.3	6.4
41	NAPA	136,681	6.7	4.9 *	1.9	10.2
42	MARIN	252,767	12.3	4.9 *	2.5	8.5
43	MONTEREY	415,825	20.7	5.0	3.1	7.6
44	MADERA	151,160	7.7	5.1 *	2.1	10.1
45	TULARE	443,638	23.0	5.2	3.3	7.8
46	SACRAMENTO	1,420,447	79.3	5.6	4.4	7.0
47	SANTA BARBARA	424,291	24.7	5.8	3.8	8.6
48	FRESNO	933,075	55.7	6.0	4.5	7.8
49	SOLANO	413,220	25.7	6.2	4.0	9.1
	CALIFORNIA	37,318,481	2,375.3	6.4	6.1	6.6
50	ORANGE	3,017,089	210.0	7.0	6.0	7.9
51	LOS ANGELES	9,827,070	729.3	7.4	6.9	8.0
52	SAN DIEGO	3,104,581	236.0	7.6	6.6	8.6
53	SAN JOAQUIN	686,761	55.3	8.1	6.1	10.5
54	SAN MATEO	719,582	61.3	8.5	6.5	10.9
55	ALAMEDA	1,513,493	159.7	10.5	8.9	12.2
56	SANTA CLARA	1,787,553	191.3	10.7	9.2	12.2
57	SAN FRANCISCO	807,177	107.0	13.3	10.7	15.8
58	IMPERIAL	175,594	29.3	16.7	11.2	23.9

* 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, Data Request, September, 2012.
 State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000–2010. Sacramento, California, September 2012.

INFANT MORTALITY, ALL RACE/ETHNIC GROUPS, 2008-2010



The birth cohort infant death rate for California was 5.0 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 198.7 births. This rate was based on a 2008 through 2010 three-year average number of infant deaths equaling 2,666.0 and 529,617.7 live births.

Among counties with reliable rates, the birth cohort infant death rate ranged from 6.7 in San Bernardino County and Fresno County to 3.1 in San Mateo County, a factor of 2.2 to 1.

Seventeen 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-five counties with unreliable rates and two counties with no infant deaths met the objective.

The California birth cohort infant death rate for the 2005-2007 period was 5.3.

**TABLE 24A
 INFANT MORTALITY, ALL RACE/ETHNIC GROUPS
 RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
 CALIFORNIA COUNTIES, 2008-2010**

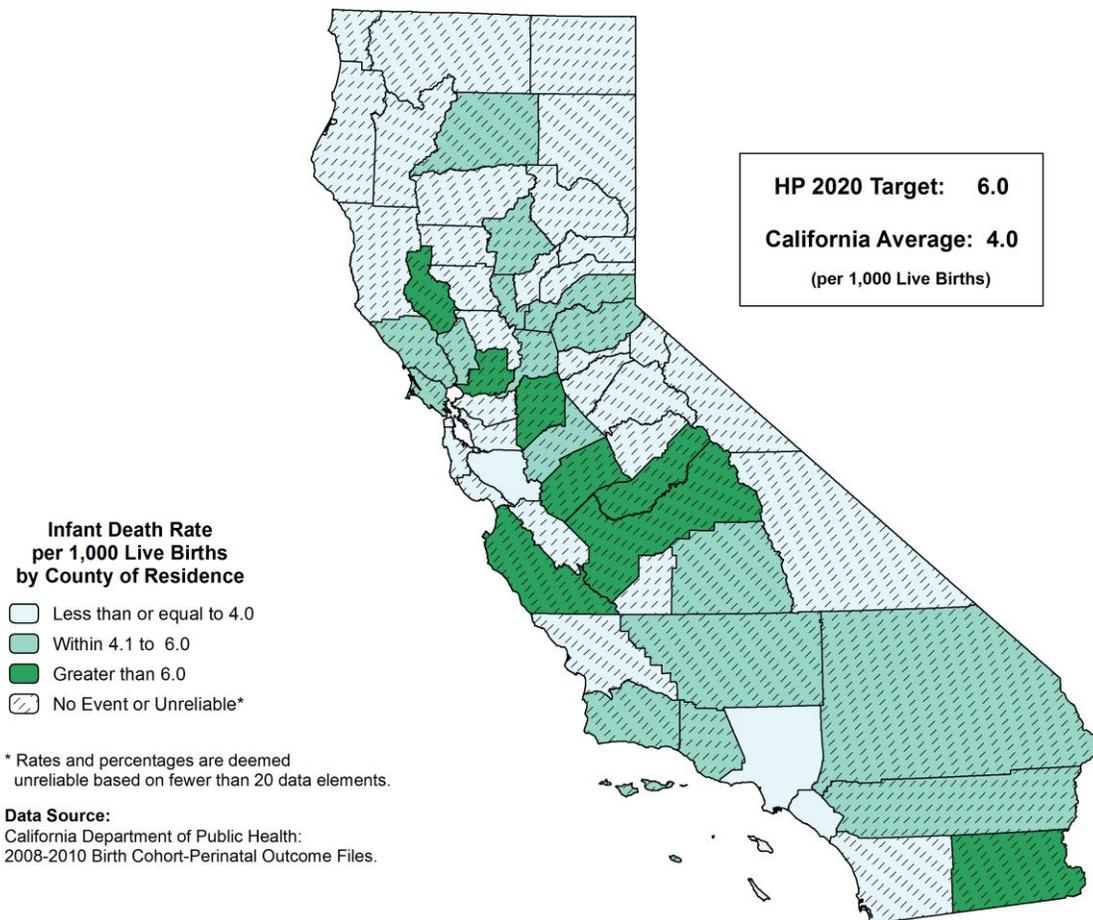
RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	SIERRA	22.0	0.0	-	-	-
2	ALPINE	7.0	0.0	-	-	-
3	PLUMAS	166.3	0.3	2.0 *	0.0	26.2
4	AMADOR	285.0	0.7	2.3 *	0.0	17.5
5	SANTA CRUZ	3,344.7	9.3	2.8 *	1.3	5.2
6	TRINITY	116.7	0.3	2.9 *	0.0	37.4
7	TUOLUMNE	466.3	1.3	2.9 *	0.2	13.2
8	GLENN	443.7	1.3	3.0 *	0.2	13.8
9	SAN MATEO	9,471.7	29.0	3.1	2.1	4.4
10	YOLO	2,526.3	8.0	3.2 *	1.4	6.2
11	MARIN	2,528.0	8.3	3.3 *	1.5	6.4
12	NEVADA	808.7	2.7	3.3 *	0.6	10.2
13	SANTA CLARA	25,291.0	85.7	3.4	2.7	4.2
14	PLACER	3,888.0	15.0	3.9 *	2.2	6.4
15	SAN FRANCISCO	8,905.0	35.7	4.0	2.8	5.6
16	ORANGE	40,381.3	162.7	4.0	3.4	4.6
17	IMPERIAL	3,146.7	13.7	4.3 *	2.4	7.3
18	CONTRA COSTA	12,724.7	55.3	4.3	3.3	5.7
19	ALAMEDA	20,203.3	88.0	4.4	3.5	5.4
20	SONOMA	5,613.3	25.0	4.5	2.9	6.6
21	INYO	219.0	1.0	4.6 *	0.1	25.4
22	SAN DIEGO	45,531.7	208.0	4.6	3.9	5.2
23	CALAVERAS	352.3	1.7	4.7 *	0.4	19.0
24	SAN BENITO	767.7	3.7	4.8 *	1.2	12.7
25	SAN LUIS OBISPO	2,696.3	13.0	4.8 *	2.6	8.2
26	MONTEREY	7,089.7	34.3	4.8	3.4	6.8
27	EL DORADO	1,718.3	8.3	4.8 *	2.1	9.4
28	HUMBOLDT	1,569.0	7.7	4.9 *	2.1	9.8
29	VENTURA	11,528.3	56.7	4.9	3.7	6.4
30	BUTTE	2,471.7	12.3	5.0 *	2.6	8.7
31	SHASTA	2,130.7	10.7	5.0 *	2.5	9.0
	CALIFORNIA	529,617.7	2,666.0	5.0	4.8	5.2
32	SANTA BARBARA	6,060.0	30.7	5.1	3.4	7.2
33	LOS ANGELES	140,259.7	719.7	5.1	4.8	5.5
34	TULARE	8,351.7	44.3	5.3	3.9	7.1
35	MADERA	2,453.3	13.3	5.4 *	2.9	9.2
36	KINGS	2,620.7	14.3	5.5 *	3.0	9.1
37	STANISLAUS	8,099.0	44.3	5.5	4.0	7.3
38	RIVERSIDE	31,718.3	174.3	5.5	4.7	6.3
39	YUBA	1,244.3	7.0	5.6 *	2.3	11.6
40	COLUSA	355.3	2.0	5.6 *	0.7	20.3
41	SACRAMENTO	20,630.0	118.3	5.7	4.7	6.8
42	SUTTER	1,420.3	8.3	5.9 *	2.6	11.4
43	MERCED	4,359.7	25.7	5.9	3.8	8.6
44	NAPA	1,616.3	9.7	6.0 *	2.8	11.1
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE MICH-1.3			6.0		
45	LASSEN	323.3	2.0	6.2 *	0.7	22.3
46	SOLANO	5,349.3	33.3	6.2	4.3	8.7
47	SAN JOAQUIN	10,832.3	69.0	6.4	5.0	8.1
48	KERN	14,853.0	94.7	6.4	5.2	7.8
49	FRESNO	16,440.3	109.3	6.7	5.4	7.9
50	SAN BERNARDINO	32,384.3	216.7	6.7	5.8	7.6
51	MARIPOSA	149.3	1.0	6.7 *	0.2	37.3
52	MODOC	98.7	0.7	6.8 *	0.0	50.5
53	DEL NORTE	339.3	2.3	6.9 *	1.0	22.8
54	LAKE	718.0	5.0	7.0 *	2.3	16.3
55	MENDOCINO	1,111.0	8.3	7.5 *	3.3	14.6
56	TEHAMA	790.7	6.7	8.4 *	3.3	17.7
57	SISKIYOU	470.0	4.0	8.5 *	2.3	21.8
58	MONO	155.0	1.3	8.6 *	0.5	39.6

* 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 birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
 Source: California Department of Public Health: 2008-2010 Birth Cohort-Perinatal Outcome Files.

ASIAN/PACIFIC ISLANDER INFANT MORTALITY, 2008-2010



The Asian/Pacific Islander birth cohort infant death rate for California was 4.0 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 250.0 births. This rate was based on a 2008 through 2010 three-year average number of infant deaths equaling 260.7 infant deaths and 65,164.3 live births.

Among counties with reliable rates, the birth cohort infant death rate for Asian/Pacific Islanders ranged from 4.0 in Los Angeles County to 3.0 in Orange County, a factor of 1.3 to 1.

Three 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 twenty-four counties with no infant deaths met the objective.

The California Asian/Pacific Islander birth cohort infant death rate for the 2005-2007 period was 4.5.

**TABLE 24B
ASIAN/PACIFIC ISLANDER INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2008-2010**

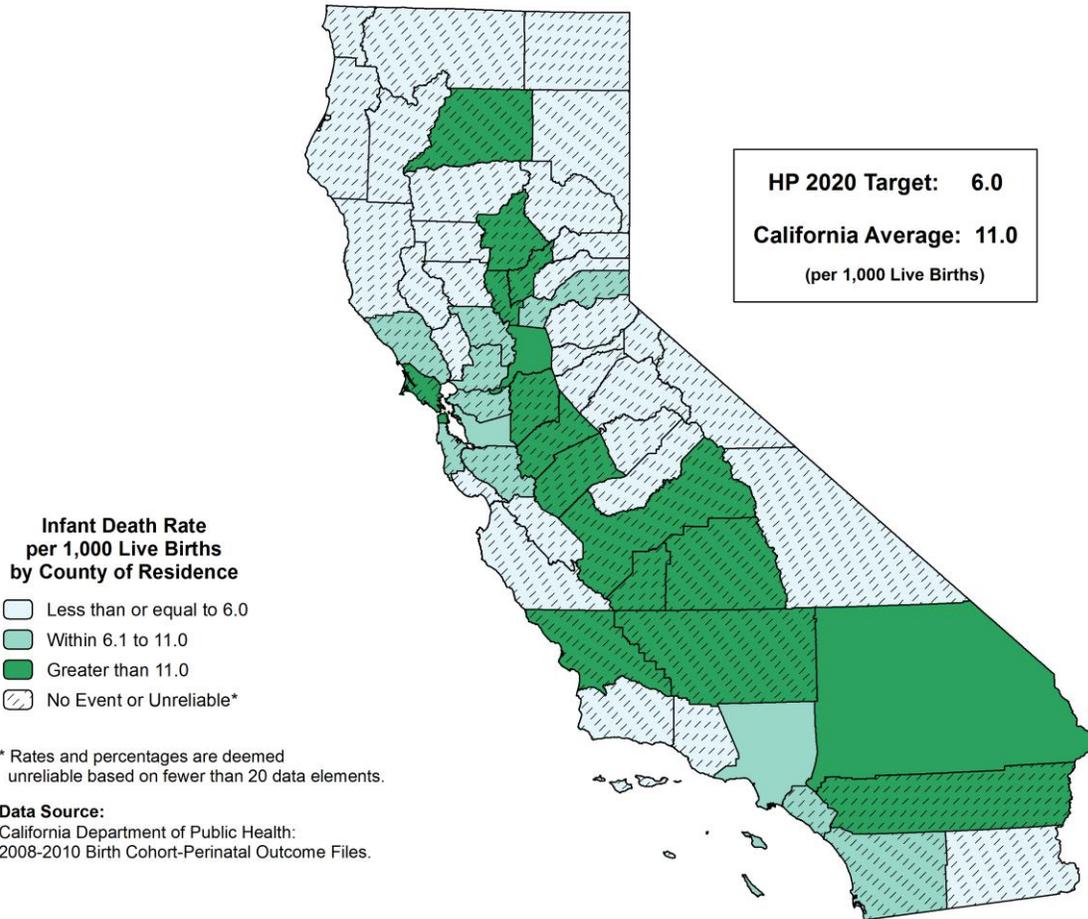
RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	KINGS	90.7	0.0	-	-	-
2	SANTA CRUZ	90.0	0.0	-	-	-
3	SAN LUIS OBISPO	78.7	0.0	-	-	-
4	HUMBOLDT	48.3	0.0	-	-	-
5	DEL NORTE	19.7	0.0	-	-	-
6	MENDOCINO	17.3	0.0	-	-	-
7	NEVADA	15.0	0.0	-	-	-
8	SAN BENITO	13.7	0.0	-	-	-
9	GLENN	13.0	0.0	-	-	-
10	LASSEN	8.7	0.0	-	-	-
11	SISKIYOU	8.7	0.0	-	-	-
12	TUOLUMNE	8.0	0.0	-	-	-
13	TEHAMA	7.7	0.0	-	-	-
14	INYO	4.3	0.0	-	-	-
15	AMADOR	4.0	0.0	-	-	-
16	COLUSA	4.0	0.0	-	-	-
17	MONO	3.3	0.0	-	-	-
18	CALAVERAS	2.0	0.0	-	-	-
19	TRINITY	1.3	0.0	-	-	-
20	PLUMAS	1.0	0.0	-	-	-
21	MODOC	0.7	0.0	-	-	-
22	SIERRA	0.7	0.0	-	-	-
23	MARIPOSA	0.3	0.0	-	-	-
24	ALPINE	0.0	0.0	-	-	-
25	YOLO	291.0	0.3	1.1 *	0.0	15.0
26	CONTRA COSTA	1,935.7	5.0	2.6 *	0.8	6.0
27	SAN FRANCISCO	2,682.0	7.0	2.6 *	1.0	5.4
28	ORANGE	6,838.0	20.7	3.0	1.9	4.6
29	YUBA	110.0	0.3	3.0 *	0.0	39.6
30	SANTA CLARA	8,624.3	27.0	3.1	2.1	4.6
31	ALAMEDA	5,578.7	18.7	3.3 *	2.0	5.2
32	SAN MATEO	2,635.0	9.3	3.5 *	1.6	6.6
33	SAN DIEGO	4,597.3	17.7	3.8 *	2.3	6.1
34	LOS ANGELES	16,141.0	65.3	4.0	3.1	5.2
	CALIFORNIA	65,164.3	260.7	4.0	3.5	4.5
35	SANTA BARBARA	225.7	1.0	4.4 *	0.1	24.7
36	EL DORADO	75.0	0.3	4.4 *	0.0	58.1
37	SHASTA	75.0	0.3	4.4 *	0.0	58.1
38	PLACER	291.3	1.3	4.6 *	0.3	21.1
39	KERN	506.7	2.3	4.6 *	0.7	15.3
40	SUTTER	205.0	1.0	4.9 *	0.1	27.2
41	MARIN	198.3	1.0	5.0 *	0.1	28.1
42	SAN BERNARDINO	1,783.7	9.0	5.0 *	2.3	9.6
43	TULARE	261.3	1.3	5.1 *	0.3	23.5
44	SONOMA	259.7	1.3	5.1 *	0.3	23.6
45	STANISLAUS	447.7	2.3	5.2 *	0.8	17.3
46	VENTURA	762.3	4.0	5.2 *	1.4	13.4
47	NAPA	118.7	0.7	5.6 *	0.0	42.0
48	SACRAMENTO	3,486.0	19.7	5.6 *	3.4	8.7
49	BUTTE	172.7	1.0	5.8 *	0.1	32.3
50	RIVERSIDE	1,687.0	10.0	5.9 *	2.8	10.9
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE MICH-1.3			6.0		
51	SOLANO	764.3	4.7	6.1 *	1.9	14.6
52	SAN JOAQUIN	1,584.7	10.7	6.7 *	3.3	12.1
53	MERCED	339.0	2.3	6.9 *	1.0	22.9
54	FRESNO	1,689.7	11.7	6.9 *	3.5	12.2
55	MONTEREY	292.7	2.3	8.0 *	1.2	26.5
56	MADERA	32.3	0.3	10.3 *	0.0	134.8
57	IMPERIAL	22.3	0.3	14.9 *	0.0	195.1
58	LAKE	9.3	0.3	35.7 *	0.0	467.0

* 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 birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
Source: California Department of Public Health: 2008-2010 Birth Cohort-Perinatal Outcome Files.

BLACK INFANT MORTALITY, 2008-2010



The Black birth cohort infant death rate for California was 11.0 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 90.5 births. This rate was based on a 2008 through 2010 three-year average number of infant deaths equaling 316.0 and 28,610.7 live births.

Among counties with reliable rates, the birth cohort infant death rate for Blacks ranged from 12.8 in San Bernardino County to 8.4 in Alameda County, a factor of 1.5 to 1.

No county with a reliable infant death rate 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. Three counties with unreliable infant death rates and twenty-seven counties with no infant deaths met the objective. The statewide Black infant death rate did not meet the national objective.

The California Black birth cohort infant death rate for the 2005-2007 period was 12.4.

**TABLE 24C
BLACK INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2008-2010**

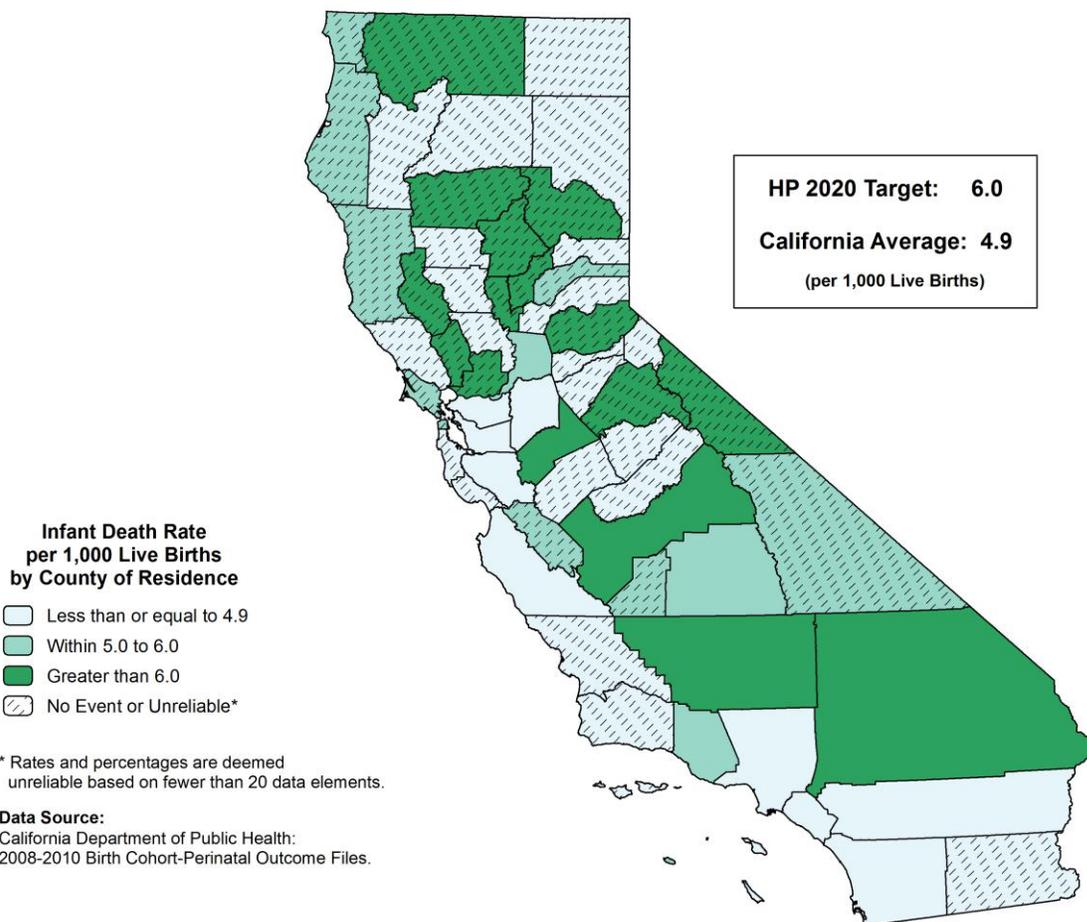
RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	MADERA	32.0	0.0	-	-	-
2	IMPERIAL	22.7	0.0	-	-	-
3	SANTA CRUZ	18.7	0.0	-	-	-
4	NAPA	15.3	0.0	-	-	-
5	HUMBOLDT	12.0	0.0	-	-	-
6	EL DORADO	9.3	0.0	-	-	-
7	LAKE	8.7	0.0	-	-	-
8	MENDOCINO	5.3	0.0	-	-	-
9	SISKIYOU	4.0	0.0	-	-	-
10	TEHAMA	3.7	0.0	-	-	-
11	PLUMAS	2.0	0.0	-	-	-
12	COLUSA	1.7	0.0	-	-	-
13	NEVADA	1.7	0.0	-	-	-
14	SAN BENITO	1.7	0.0	-	-	-
15	CALAVERAS	1.3	0.0	-	-	-
16	GLENN	1.3	0.0	-	-	-
17	INYO	1.0	0.0	-	-	-
18	LASSEN	1.0	0.0	-	-	-
19	TUOLUMNE	1.0	0.0	-	-	-
20	MARIPOSA	0.7	0.0	-	-	-
21	MONO	0.7	0.0	-	-	-
22	AMADOR	0.3	0.0	-	-	-
23	DEL NORTE	0.3	0.0	-	-	-
24	MODOC	0.3	0.0	-	-	-
25	ALPINE	0.0	0.0	-	-	-
26	SIERRA	0.0	0.0	-	-	-
27	TRINITY	0.0	0.0	-	-	-
28	VENTURA	115.0	0.3	2.9 *	0.0	37.9
29	MONTEREY	88.7	0.3	3.8 *	0.0	49.2
30	SANTA BARBARA	59.7	0.3	5.6 *	0.0	73.0
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE MICH-1.3				6.0		
31	YOLO	49.7	0.3	6.7 *	0.0	87.8
32	CONTRA COSTA	1,166.3	8.0	6.9 *	3.0	13.5
33	SANTA CLARA	496.3	3.7	7.4 *	1.9	19.7
34	ORANGE	439.7	3.3	7.6 *	1.7	21.1
35	ALAMEDA	2,395.0	20.0	8.4	5.1	12.9
36	SAN MATEO	157.0	1.3	8.5 *	0.5	39.1
37	SOLANO	713.0	6.3	8.9 *	3.4	19.0
38	SONOMA	69.3	0.7	9.6 *	0.0	71.8
39	SAN DIEGO	1,973.3	19.0	9.6 *	5.8	15.0
40	PLACER	34.3	0.3	9.7 *	0.0	126.9
41	LOS ANGELES	10,628.7	117.3	11.0	9.0	13.0
	CALIFORNIA	28,610.7	316.0	11.0	9.8	12.3
42	RIVERSIDE	1,632.7	18.7	11.4 *	6.8	17.9
43	SACRAMENTO	2,162.3	25.0	11.6	7.5	17.1
44	SAN BERNARDINO	2,718.0	34.7	12.8	8.9	17.8
45	KERN	808.7	10.3	12.8 *	6.2	23.3
46	FRESNO	835.7	11.0	13.2 *	6.6	23.6
47	SUTTER	25.0	0.3	13.3 *	0.0	174.3
48	KINGS	99.7	1.3	13.4 *	0.7	61.6
49	STANISLAUS	161.0	2.3	14.5 *	2.2	48.1
50	TULARE	89.0	1.3	15.0 *	0.8	69.0
51	MARIN	44.3	0.7	15.0 *	0.1	112.3
52	SHASTA	21.0	0.3	15.9 *	0.0	207.5
53	SAN FRANCISCO	503.3	8.7	17.2 *	7.7	33.1
54	SAN JOAQUIN	786.3	14.0	17.8 *	9.7	29.9
55	MERCED	115.7	2.7	23.1 *	4.2	71.4
56	BUTTE	32.0	1.3	41.7 *	2.3	191.9
57	SAN LUIS OBISPO	15.0	0.7	44.4 *	0.2	332.1
58	YUBA	28.3	1.3	47.1 *	2.6	216.7

* 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 birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
Source: California Department of Public Health: 2008-2010 Birth Cohort-Perinatal Outcome Files.

HISPANIC INFANT MORTALITY, 2008-2010



The Hispanic birth cohort infant death rate for California was 4.9 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 202.5 births. This rate was based on a 2008 through 2010 three-year average number of infant deaths equaling 1,341.0 and 271,583.0 live births.

Among counties with reliable rates, the birth cohort infant death rate for Hispanics ranged from 6.5 in Stanislaus County to 3.5 in Santa Clara County, a factor of 1.8 to 1.

Twelve 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-two counties with unreliable rates and eight counties with no infant deaths met the objective.

The California Hispanic birth cohort infant death rate for the 2005-2007 period was 5.2.

**TABLE 24D
HISPANIC INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2008-2010**

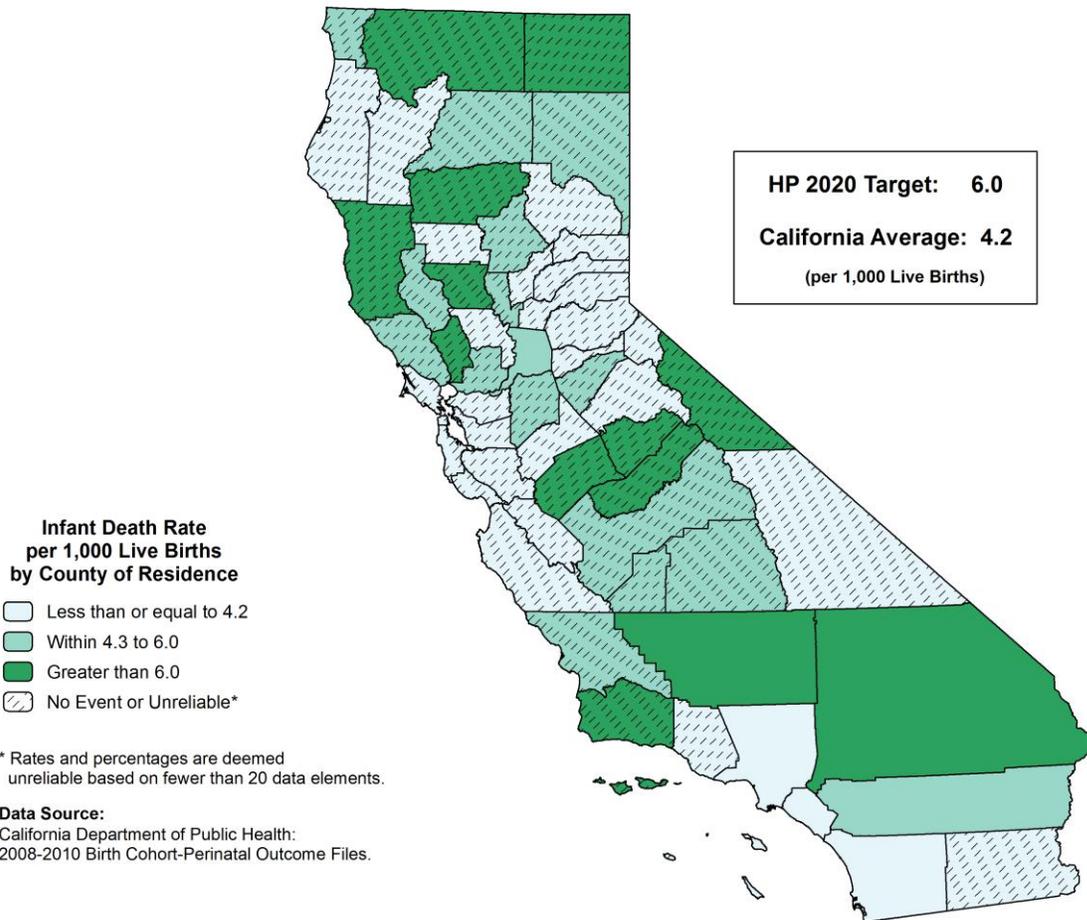
RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	AMADOR	48.3	0.0	-	-	-
2	CALAVERAS	47.7	0.0	-	-	-
3	LASSEN	44.7	0.0	-	-	-
4	MARIPOSA	18.7	0.0	-	-	-
5	MODOC	12.0	0.0	-	-	-
6	TRINITY	9.3	0.0	-	-	-
7	SIERRA	3.0	0.0	-	-	-
8	ALPINE	1.7	0.0	-	-	-
9	GLENN	235.7	0.3	1.4 *	0.0	18.5
10	SAN MATEO	2,837.7	8.0	2.8 *	1.2	5.6
11	SANTA CLARA	9,306.0	33.0	3.5	2.4	5.0
12	SANTA CRUZ	1,939.3	7.0	3.6 *	1.5	7.4
13	PLACER	737.0	2.7	3.6 *	0.7	11.2
14	YOLO	1,052.0	4.0	3.8 *	1.0	9.7
15	IMPERIAL	2,838.7	11.0	3.9 *	1.9	6.9
16	COLUSA	256.3	1.0	3.9 *	0.1	21.7
17	SAN LUIS OBISPO	975.3	4.0	4.1 *	1.1	10.5
18	SONOMA	2,426.0	10.0	4.1 *	2.0	7.6
19	ALAMEDA	6,229.3	26.3	4.2	2.8	6.2
20	SANTA BARBARA	4,056.3	17.3	4.3 *	2.5	6.8
21	SAN DIEGO	19,954.0	85.7	4.3	3.4	5.3
22	MONTEREY	5,343.0	24.3	4.6	2.9	6.8
23	SHASTA	219.0	1.0	4.6 *	0.1	25.4
24	MERCED	2,819.0	13.0	4.6 *	2.5	7.9
25	CONTRA COSTA	4,578.0	21.3	4.7	2.9	7.1
26	MADERA	1,788.0	8.3	4.7 *	2.1	9.1
27	ORANGE	20,420.0	96.0	4.7	3.8	5.7
28	RIVERSIDE	18,962.0	90.0	4.7	3.8	5.8
29	LOS ANGELES	86,928.0	422.3	4.9	4.4	5.3
30	SAN JOAQUIN	5,396.3	26.7	4.9	3.2	7.2
	CALIFORNIA	271,583.0	1,341.0	4.9	4.7	5.2
31	MENDOCINO	402.7	2.0	5.0 *	0.6	17.9
32	INYO	66.0	0.3	5.1 *	0.0	66.0
33	TULARE	6,054.7	30.7	5.1	3.4	7.2
34	NEVADA	130.7	0.7	5.1 *	0.0	38.1
35	SACRAMENTO	5,940.3	30.7	5.2	3.5	7.3
36	MARIN	745.0	4.0	5.4 *	1.5	13.7
37	DEL NORTE	61.7	0.3	5.4 *	0.0	70.7
38	SAN FRANCISCO	1,838.3	10.0	5.4 *	2.6	10.0
39	KINGS	1,570.0	8.7	5.5 *	2.5	10.6
40	HUMBOLDT	237.3	1.3	5.6 *	0.3	25.9
41	VENTURA	6,996.0	39.3	5.6	4.0	7.7
42	SAN BENITO	568.3	3.3	5.9 *	1.3	16.3
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE MICH-1.3			6.0		
43	SAN BERNARDINO	19,072.7	115.7	6.1	5.0	7.2
44	KERN	8,942.7	55.0	6.2	4.6	8.0
45	SOLANO	1,781.0	11.0	6.2 *	3.1	11.1
46	NAPA	857.7	5.3	6.2 *	2.1	14.1
47	BUTTE	482.0	3.0	6.2 *	1.3	18.2
48	FRESNO	9,924.3	62.0	6.2	4.8	8.0
49	EL DORADO	370.3	2.3	6.3 *	1.0	20.9
50	STANISLAUS	4,398.0	28.7	6.5	4.4	9.4
51	SUTTER	558.3	3.7	6.6 *	1.7	17.5
52	YUBA	384.7	2.7	6.9 *	1.2	21.5
53	MONO	78.3	0.7	8.5 *	0.0	63.6
54	TEHAMA	269.3	2.3	8.7 *	1.3	28.8
55	TUOLUMNE	68.7	0.7	9.7 *	0.0	72.5
56	LAKE	198.7	2.0	10.1 *	1.2	36.4
57	SISKIYOU	81.0	1.0	12.3 *	0.3	68.8
58	PLUMAS	22.0	0.3	15.2 *	0.0	198.1

* 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 birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
Source: California Department of Public Health: 2008-2010 Birth Cohort-Perinatal Outcome Files.

WHITE INFANT MORTALITY, 2008-2010



The White birth cohort infant death rate for California was 4.2 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 236.2 births. This rate was based on a 2008 through 2010 three-year average number of infant deaths equaling 606.0 and 143,140.3 live births.

Among counties with reliable rates, the birth cohort infant death rate for Whites ranged from 6.1 in Kern County and San Bernardino County to 2.9 in Orange County, a factor of 2.1 to 1.

Five 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 thirty-seven counties with unreliable rates and three counties with no infant deaths met the objective.

The California White birth cohort infant death rate for the 2005-2007 period was 4.8.

**TABLE 24E
WHITE INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2008-2010**

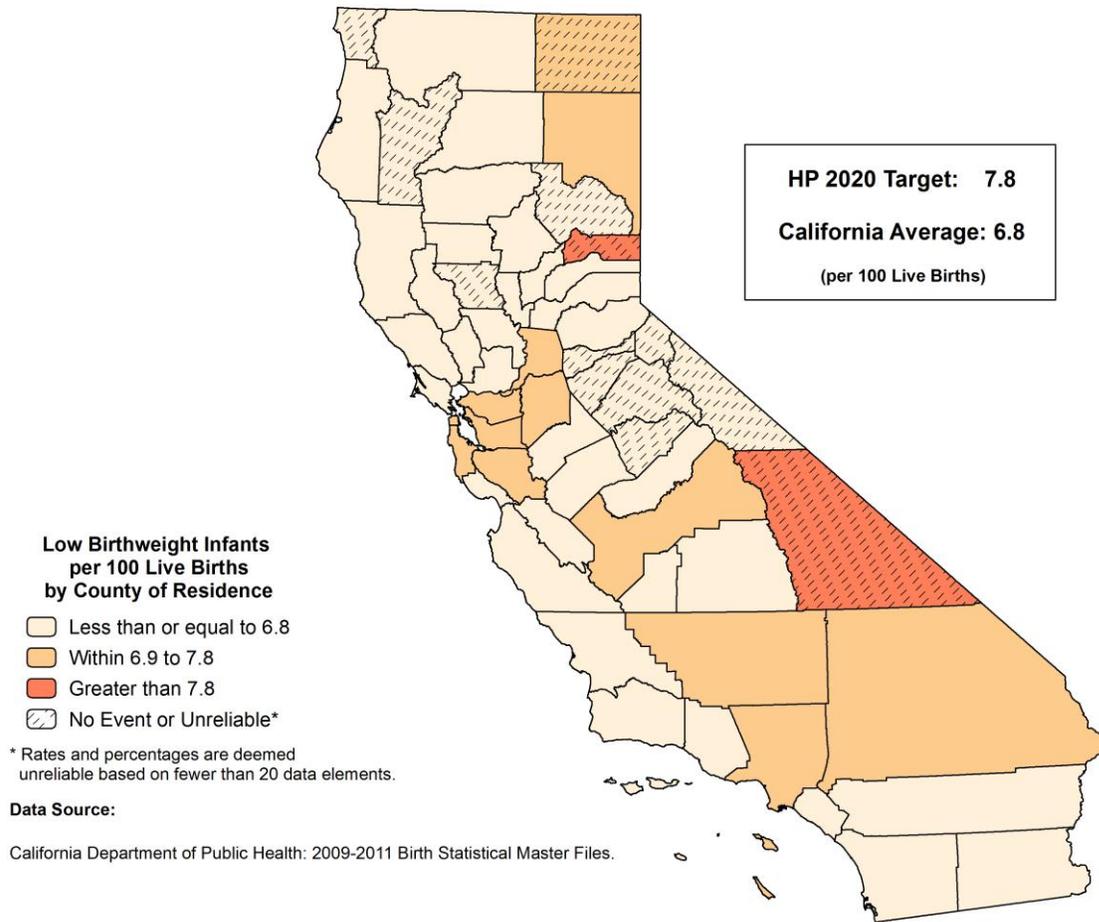
RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	PLUMAS	130.3	0.0	-	-	-
2	SIERRA	17.3	0.0	-	-	-
3	ALPINE	2.7	0.0	-	-	-
4	SANTA CRUZ	1,197.0	1.0	0.8 *	0.0	4.7
5	AMADOR	211.7	0.3	1.6 *	0.0	20.6
6	MARIN	1,476.7	2.7	1.8 *	0.3	5.6
7	TUOLUMNE	361.7	0.7	1.8 *	0.0	13.8
8	SAN BENITO	169.0	0.3	2.0 *	0.0	25.8
9	SAN FRANCISCO	3,558.3	7.3	2.1 *	0.9	4.2
10	YOLO	1,029.7	2.7	2.6 *	0.5	8.0
11	SAN MATEO	2,806.7	7.7	2.7 *	1.2	5.5
12	SANTA CLARA	5,488.3	16.0	2.9 *	1.7	4.7
13	ORANGE	11,606.7	34.0	2.9	2.0	4.1
14	INYO	110.7	0.3	3.0 *	0.0	39.4
15	IMPERIAL	217.3	0.7	3.1 *	0.0	22.9
16	NEVADA	630.0	2.0	3.2 *	0.4	11.5
17	VENTURA	3,456.7	11.0	3.2 *	1.6	5.7
18	TRINITY	96.0	0.3	3.5 *	0.0	45.4
19	YUBA	667.3	2.3	3.5 *	0.5	11.6
20	HUMBOLDT	1,047.0	3.7	3.5 *	0.9	9.3
21	STANISLAUS	2,759.0	9.7	3.5 *	1.7	6.5
22	ALAMEDA	4,917.3	18.0	3.7 *	2.2	5.8
23	GLENN	182.0	0.7	3.7 *	0.0	27.4
24	CONTRA COSTA	4,276.7	16.0	3.7 *	2.1	6.1
25	PLACER	2,658.7	10.0	3.8 *	1.8	6.9
26	SAN DIEGO	14,645.3	58.7	4.0	3.0	5.2
27	MONTEREY	1,229.3	5.0	4.1 *	1.3	9.5
28	LOS ANGELES	23,608.0	96.3	4.1	3.3	5.0
29	EL DORADO	1,195.0	5.0	4.2 *	1.4	9.8
	CALIFORNIA	143,140.3	606.0	4.2	3.9	4.6
30	BUTTE	1,621.3	7.0	4.3 *	1.7	8.9
31	SONOMA	2,603.3	11.3	4.4 *	2.2	7.7
32	SACRAMENTO	7,958.3	34.7	4.4	3.0	6.1
33	SHASTA	1,683.3	7.3	4.4 *	1.8	8.8
34	SUTTER	590.0	2.7	4.5 *	0.8	14.0
35	LAKE	439.3	2.0	4.6 *	0.6	16.4
36	TULARE	1,789.7	8.3	4.7 *	2.1	9.1
37	DEL NORTE	202.7	1.0	4.9 *	0.1	27.5
38	SAN LUIS OBISPO	1,527.7	7.7	5.0 *	2.1	10.0
39	KINGS	754.3	4.0	5.3 *	1.4	13.6
40	SOLANO	1,704.0	9.3	5.5 *	2.5	10.3
41	LASSEN	243.3	1.3	5.5 *	0.3	25.2
42	RIVERSIDE	8,339.7	46.0	5.5	4.0	7.4
43	SAN JOAQUIN	2,653.3	15.3	5.8 *	3.3	9.5
44	FRESNO	3,380.7	19.7	5.8 *	3.5	9.0
45	CALAVERAS	282.3	1.7	5.9 *	0.5	23.7
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE MICH-1.3			6.0		
46	KERN	4,211.3	25.7	6.1	4.0	9.0
47	SAN BERNARDINO	8,006.0	49.0	6.1	4.5	8.1
48	MERCED	1,014.0	6.3	6.2 *	2.4	13.3
49	NAPA	575.7	3.7	6.4 *	1.6	16.9
50	MADERA	522.3	3.7	7.0 *	1.8	18.7
51	SANTA BARBARA	1,565.7	11.0	7.0 *	3.5	12.6
52	TEHAMA	475.0	3.7	7.7 *	1.9	20.5
53	SISKIYOU	325.0	2.7	8.2 *	1.5	25.4
54	MARIPOSA	120.3	1.0	8.3 *	0.2	46.3
55	MODOC	78.0	0.7	8.5 *	0.0	63.9
56	MENDOCINO	569.7	5.3	9.4 *	3.2	21.3
57	MONO	68.7	0.7	9.7 *	0.0	72.5
58	COLUSA	83.0	1.0	12.0 *	0.3	67.1

* 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 birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
Source: California Department of Public Health: 2008-2010 Birth Cohort-Perinatal Outcome Files.

LOW BIRTHWEIGHT INFANTS, 2009-2011



The ratio of low birthweight infants for California was 6.8 per 100 live births, or about one for every 14.7 live births. The 6.8 percentage was based on a 2009 through 2011 three-year average number of low birthweight infants equaling 34,848.0 and live births of 512,902.7.

Among counties with reliable percentages, the percent of low birthweight infants ranged from 7.5 in Fresno County to 5.1 in Humboldt County, a factor of 1.5 to 1.

Forty-five counties with a reliable percentage 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 ten counties with unreliable percentages and one county with no low birthweight infants met the objective. The statewide percentage of low birthweight infants met the national objective.

The California ratio of low birthweight infants for the 2006-2008 period was 6.9.

**TABLE 25
LOW BIRTHWEIGHT INFANTS
RANKED BY THREE-YEAR AVERAGE LOW BIRTHWEIGHT PERCENTAGE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2009-2011 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		LIVE BIRTHS	LOW BIRTHWEIGHT		LOWER	UPPER
			NUMBER	PERCENT		
1	ALPINE	4.7	0.0	-	-	-
2	TUOLUMNE	447.3	17.3	3.9 *	2.3	6.2
3	TRINITY	115.3	5.0	4.3 *	1.4	10.1
4	CALAVERAS	336.7	15.3	4.6 *	2.6	7.5
5	DEL NORTE	347.3	17.3	5.0 *	2.9	8.0
6	MARIPOSA	144.0	7.3	5.1 *	2.1	10.3
7	HUMBOLDT	1,513.3	77.3	5.1	4.0	6.4
8	NEVADA	770.7	40.3	5.2	3.7	7.1
9	YOLO	2,416.0	131.3	5.4	4.5	6.4
10	SAN LUIS OBISPO	2,660.7	147.7	5.5	4.7	6.4
11	PLACER	3,820.0	215.3	5.6	4.9	6.4
12	IMPERIAL	3,097.3	174.7	5.6	4.8	6.5
13	BUTTE	2,427.3	137.7	5.7	4.7	6.6
14	SONOMA	5,408.0	308.3	5.7	5.1	6.3
15	YUBA	1,250.0	71.3	5.7	4.5	7.2
16	TEHAMA	769.0	44.0	5.7	4.2	7.7
17	SANTA CRUZ	3,240.7	186.0	5.7	4.9	6.6
18	MONTEREY	6,881.3	396.3	5.8	5.2	6.3
19	GLENN	416.3	24.0	5.8	3.7	8.6
20	MENDOCINO	1,073.3	62.0	5.8	4.4	7.4
21	COLUSA	333.7	19.3	5.8 *	3.5	9.0
22	SUTTER	1,373.0	79.7	5.8	4.6	7.2
23	MONO	148.7	8.7	5.8 *	2.6	11.2
24	SAN BENITO	752.7	44.3	5.9	4.3	7.9
25	SHASTA	2,075.3	124.0	6.0	4.9	7.0
26	SANTA BARBARA	5,887.0	354.0	6.0	5.4	6.6
27	NAPA	1,583.0	95.3	6.0	4.9	7.4
28	MARIN	2,415.7	146.0	6.0	5.1	7.0
29	STANISLAUS	7,825.0	481.3	6.2	5.6	6.7
30	VENTURA	11,052.0	687.3	6.2	5.8	6.7
31	TULARE	8,161.0	515.0	6.3	5.8	6.9
32	LAKE	720.3	45.7	6.3	4.6	8.5
33	AMADOR	278.7	17.7	6.3 *	3.7	10.1
34	EL DORADO	1,655.0	105.3	6.4	5.1	7.6
35	RIVERSIDE	30,956.0	1,988.7	6.4	6.1	6.7
36	SISKIYOU	461.0	29.7	6.4	4.3	9.2
37	SAN DIEGO	44,472.0	2,915.3	6.6	6.3	6.8
38	KINGS	2,572.0	169.0	6.6	5.6	7.6
39	ORANGE	38,922.7	2,560.7	6.6	6.3	6.8
40	MADERA	2,408.0	159.0	6.6	5.6	7.6
41	SOLANO	5,199.0	345.7	6.6	5.9	7.3
42	PLUMAS	162.7	11.0	6.8 *	3.4	12.1
43	MERCED	4,312.0	295.0	6.8	6.1	7.6
	CALIFORNIA	512,902.7	34,848.0	6.8	6.7	6.9
44	CONTRA COSTA	12,362.7	848.3	6.9	6.4	7.3
45	SAN MATEO	9,229.7	634.7	6.9	6.3	7.4
46	SACRAMENTO	20,156.7	1,388.7	6.9	6.5	7.3
47	MODOC	96.7	6.7	6.9 *	2.7	14.5
48	SAN FRANCISCO	8,806.3	609.7	6.9	6.4	7.5
49	SANTA CLARA	24,261.0	1,692.7	7.0	6.6	7.3
50	SAN JOAQUIN	10,595.0	740.3	7.0	6.5	7.5
51	LASSEN	315.7	22.3	7.1	4.5	10.7
52	SAN BERNARDINO	31,307.3	2,232.0	7.1	6.8	7.4
53	KERN	14,508.0	1,044.0	7.2	6.8	7.6
54	ALAMEDA	19,540.7	1,409.7	7.2	6.8	7.6
55	LOS ANGELES	134,383.3	9,705.7	7.2	7.1	7.4
56	FRESNO	16,237.0	1,217.7	7.5	7.1	7.9
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE MICH-8.1			7.8		
57	INYO	214.7	17.0	7.9 *	4.6	12.7
58	SIERRA	22.3	2.3	10.4 *	1.6	34.7

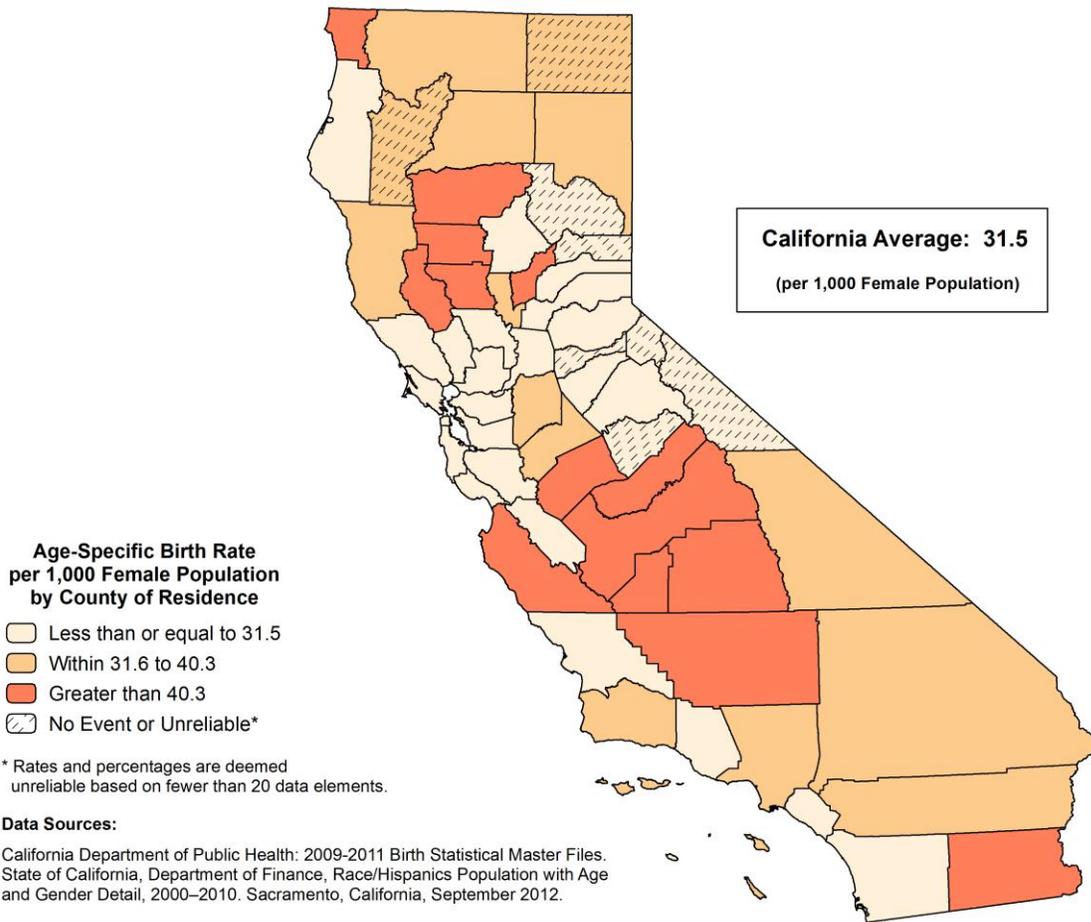
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Note: Counties were rank ordered first by increasing 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: 2009-2011 Birth Statistical Master Files.

BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD, 2009-2011



The age-specific birth rate to adolescents aged 15 to 19 in California was 31.5 per 1,000 female population, or approximately one birth for every 31.7 adolescent females. This rate was based on a 2009 through 2011 three-year average number of births of 43,088.7 and female population count of 1,367,804.

Among counties with reliable rates, the age-specific rate ranged from 59.8 in Tulare County to 12.6 in Marin County, a factor of 4.8 to 1.

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

The California age-specific birth rate to adolescents aged 15 to 19 for the 2006-2008 period was 39.5.

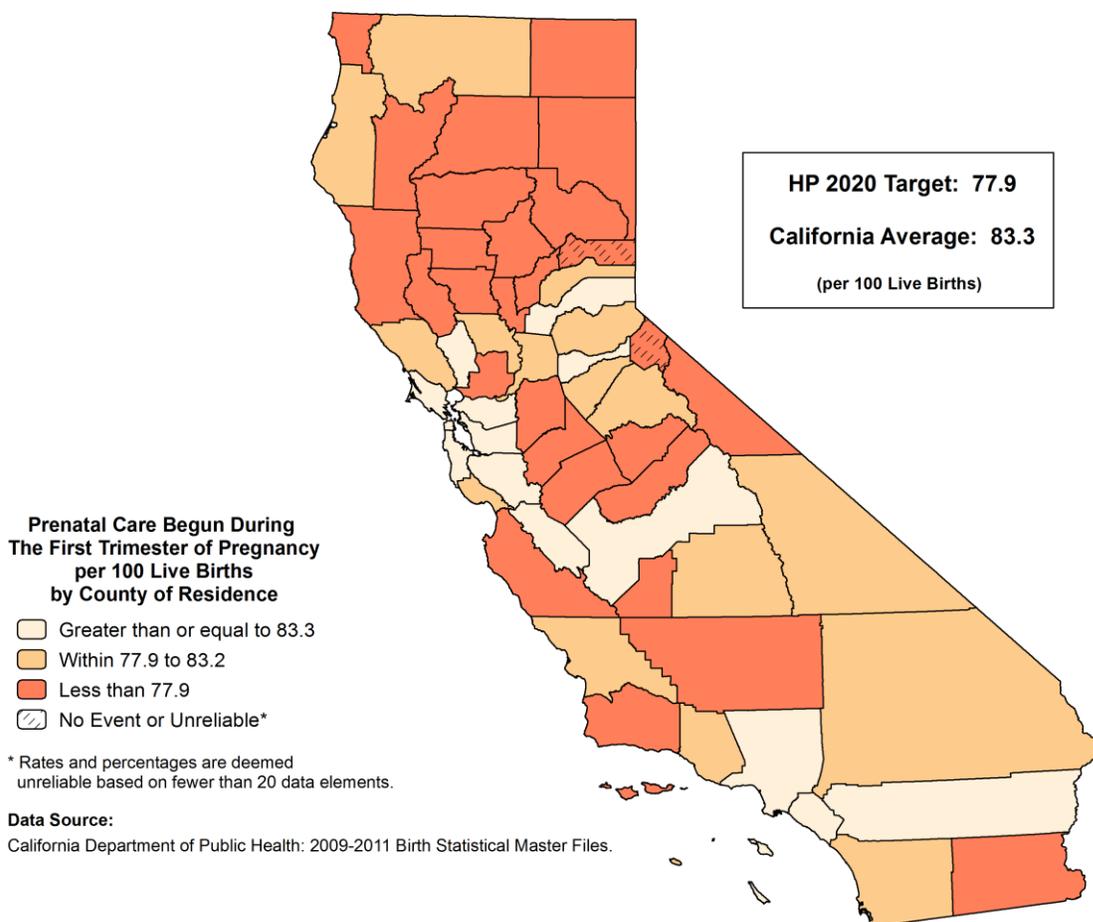
**TABLE 26
BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD
RANKED BY THREE-YEAR AVERAGE AGE-SPECIFIC BIRTH RATE
CALIFORNIA COUNTIES, 2009-2011**

RANK ORDER	COUNTY OF RESIDENCE	2010 FEMALE POPULATION 15-19 YRS OLD	2009-2011 LIVE BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTHRATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:				NONE		
1	SIERRA	80	1.0	12.5 *	0.3	69.9
2	MARIN	6,081	76.3	12.6	9.9	15.7
3	PLACER	12,005	152.3	12.7	10.7	14.7
4	SAN FRANCISCO	17,508	237.3	13.6	11.8	15.3
5	NEVADA	2,964	42.3	14.3	10.3	19.3
6	EL DORADO	6,025	93.7	15.5	12.6	19.0
7	SAN LUIS OBISPO	10,076	170.3	16.9	14.4	19.4
8	YOLO	9,727	172.3	17.7	15.1	20.4
9	TUOLUMNE	1,497	28.3	18.9	12.6	27.3
10	SAN MATEO	19,318	367.0	19.0	17.1	20.9
11	AMADOR	957	18.7	19.5 *	11.7	30.6
12	CONTRA COSTA	35,761	708.3	19.8	18.3	21.3
13	SONOMA	16,135	336.7	20.9	18.6	23.1
14	MONO	366	7.7	20.9 *	8.8	41.8
15	SANTA CLARA	55,043	1,184.7	21.5	20.3	22.7
16	ALAMEDA	48,667	1,062.3	21.8	20.5	23.1
17	NAPA	4,690	104.7	22.3	18.0	26.6
18	ORANGE	110,684	2,474.7	22.4	21.5	23.2
19	CALAVERAS	1,307	29.7	22.7	15.3	32.5
20	HUMBOLDT	4,697	112.7	24.0	19.6	28.4
21	ALPINE	28	0.7	24.2 *	0.1	180.6
22	BUTTE	8,563	213.3	24.9	21.6	28.3
23	SANTA CRUZ	10,760	274.0	25.5	22.5	28.5
24	MARIPOSA	510	13.3	26.1 *	14.0	44.4
25	SOLANO	14,742	392.0	26.6	24.0	29.2
26	SAN BENITO	2,227	62.0	27.8	21.3	35.7
27	PLUMAS	620	17.7	28.5 *	16.8	45.2
28	SAN DIEGO	107,026	3,147.7	29.4	28.4	30.4
29	VENTURA	31,286	961.7	30.7	28.8	32.7
30	SACRAMENTO	51,359	1,596.7	31.1	29.6	32.6
	CALIFORNIA	1,367,804	43,088.7	31.5	31.2	31.8
31	LOS ANGELES	365,989	11,727.3	32.0	31.5	32.6
32	RIVERSIDE	91,837	2,952.0	32.1	31.0	33.3
33	SHASTA	6,043	194.3	32.2	27.6	36.7
34	SUTTER	3,467	114.7	33.1	27.0	39.1
35	SANTA BARBARA	18,530	620.7	33.5	30.9	36.1
36	INYO	538	20.0	37.2	22.7	57.4
37	MODOC	295	11.0	37.3 *	18.6	66.7
38	SAN JOAQUIN	28,193	1,071.7	38.0	35.7	40.3
39	MENDOCINO	2,588	99.0	38.3	31.1	46.6
40	STANISLAUS	20,606	792.7	38.5	35.8	41.1
41	LASSEN	866	33.3	38.5	26.5	53.9
42	SISKIYOU	1,257	48.7	38.7	28.6	51.2
43	SAN BERNARDINO	87,548	3,467.3	39.6	38.3	40.9
44	TRINITY	391	15.7	40.1 *	22.8	65.4
45	COLUSA	807	32.7	40.5	27.8	56.9
46	TEHAMA	2,252	93.0	41.3	33.3	50.6
47	LAKE	1,991	84.0	42.2	33.7	52.2
48	GLENN	1,024	45.3	44.3	32.3	59.2
49	MERCED	11,741	530.0	45.1	41.3	49.0
50	YUBA	2,667	124.7	46.7	38.5	55.0
51	MONTEREY	15,641	767.3	49.1	45.6	52.5
52	FRESNO	39,605	1,963.0	49.6	47.4	51.8
53	MADERA	5,762	312.0	54.2	48.1	60.2
54	IMPERIAL	7,477	422.7	56.5	51.1	61.9
55	KERN	34,733	1,987.3	57.2	54.7	59.7
56	KINGS	5,424	313.3	57.8	51.4	64.2
57	DEL NORTE	875	51.3	58.7	43.7	77.1
58	TULARE	18,951	1,133.7	59.8	56.3	63.3

* 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: 2009-2011 Birth Statistical Master Files.
State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012.

PRENATAL CARE BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY, 2009-2011



The ratio of births to mothers with prenatal care begun during the first trimester of pregnancy for California was 83.3 per 100 live births. The 83.3 percentage was based on a 2009 through 2011 three-year average number of births to mothers with prenatal care begun during the first trimester of pregnancy equaling 418,473.7 and live births totaling 502,377.0.

Among counties with reliable percentages, the percent of births to mothers with prenatal care begun during the first trimester of pregnancy ranged from 94.3 in Marin County to 55.8 in Imperial County, a factor of 1.7 to 1.

Thirty counties with a reliable percentage 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 statewide percentage of mothers with prenatal care begun during the first trimester of pregnancy met the national objective.

The California percentage of births to mothers with prenatal care begun during the first trimester of pregnancy for the 2006-2008 period was 83.7.

**TABLE 27A
 PRENATAL CARE BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY
 RANKED BY PERCENTAGE OF THREE-YEAR AVERAGE FIRST TRIMESTER CARE
 CALIFORNIA COUNTIES, 2009-2011**

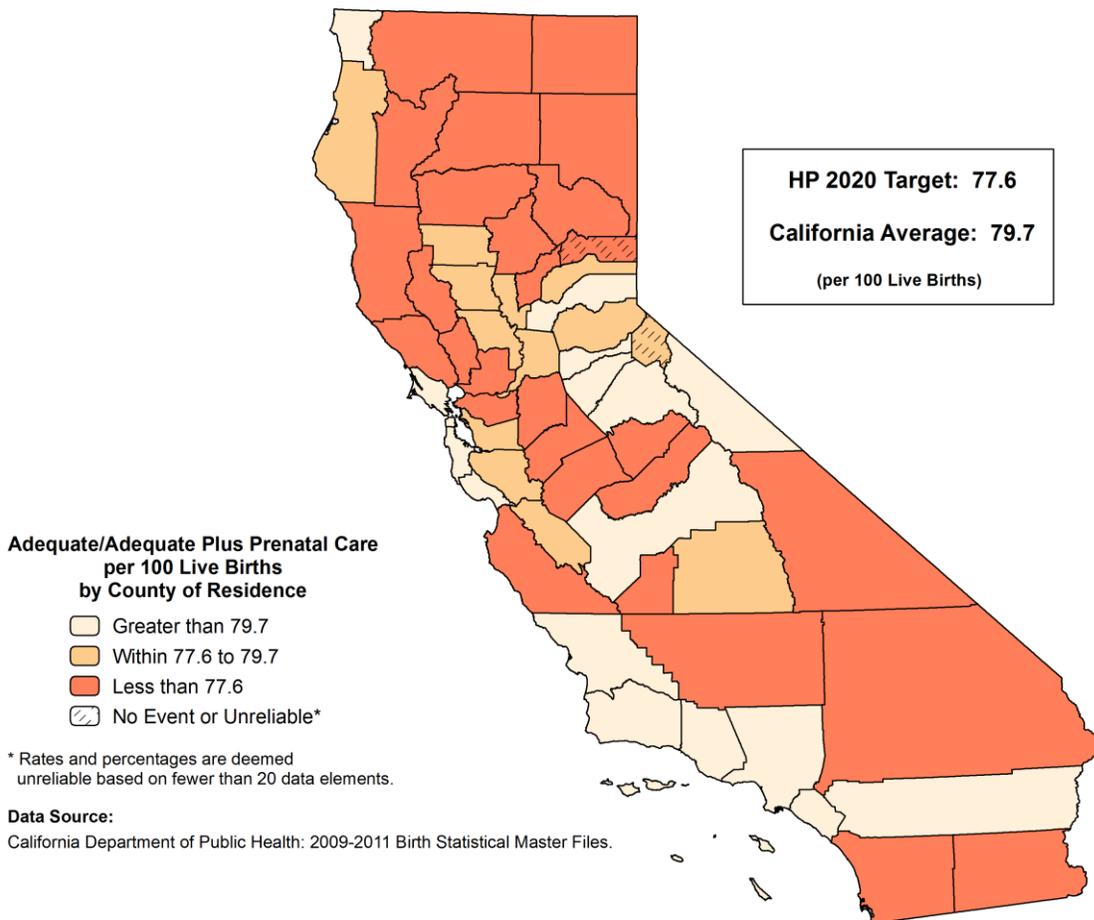
RANK ORDER	COUNTY OF RESIDENCE	2009-2011 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	FIRST TRIMESTER CARE		LOWER	UPPER
			NUMBER	PERCENT		
1	MARIN	2,402.0	2,264.0	94.3	90.4	98.1
2	SAN MATEO	9,198.3	8,232.3	89.5	87.6	91.4
3	ORANGE	38,615.3	34,482.7	89.3	88.4	90.2
4	FRESNO	15,206.3	13,455.7	88.5	87.0	90.0
5	SAN FRANCISCO	8,748.7	7,707.7	88.1	86.1	90.1
6	AMADOR	276.3	241.7	87.5	76.4	98.5
7	ALAMEDA	19,388.7	16,929.3	87.3	86.0	88.6
8	SAN BENITO	747.7	646.7	86.5	79.8	93.2
9	LOS ANGELES	129,479.7	111,179.7	85.9	85.4	86.4
10	PLACER	3,805.7	3,262.3	85.7	82.8	88.7
11	SANTA CLARA	24,099.0	20,404.3	84.7	83.5	85.8
12	RIVERSIDE	30,434.0	25,676.0	84.4	83.3	85.4
13	NAPA	1,567.3	1,318.3	84.1	79.6	88.7
14	CONTRA COSTA	12,263.3	10,231.0	83.4	81.8	85.0
	CALIFORNIA	502,377.0	418,473.7	83.3	83.0	83.6
15	SAN DIEGO	44,445.0	36,768.7	82.7	81.9	83.6
16	SAN BERNARDINO	30,887.7	25,528.3	82.6	81.6	83.7
17	TUOLUMNE	443.7	366.0	82.5	74.0	90.9
18	SONOMA	5,378.3	4,428.7	82.3	79.9	84.8
19	SANTA CRUZ	3,192.3	2,617.0	82.0	78.8	85.1
20	VENTURA	11,036.7	8,975.3	81.3	79.6	83.0
21	SACRAMENTO	19,509.7	15,832.7	81.2	79.9	82.4
22	YOLO	2,383.7	1,932.0	81.1	77.4	84.7
23	HUMBOLDT	1,486.0	1,201.0	80.8	76.3	85.4
24	SAN LUIS OBISPO	2,634.7	2,093.0	79.4	76.0	82.8
25	CALAVERAS	335.3	266.0	79.3	69.8	88.9
26	TULARE	8,054.3	6,388.3	79.3	77.4	81.3
27	INYO	211.7	167.3	79.1	67.1	91.0
28	EL DORADO	1,646.7	1,295.3	78.7	74.4	82.9
29	SISKIYOU	455.0	355.7	78.2	70.0	86.3
30	NEVADA	764.7	597.7	78.2	71.9	84.4
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE MICH-10.1			77.9		
31	STANISLAUS	7,726.3	6,000.0	77.7	75.7	79.6
32	SOLANO	5,131.0	3,945.7	76.9	74.5	79.3
33	SAN JOAQUIN	10,426.7	7,948.7	76.2	74.6	77.9
34	SIERRA	21.0	16.0	76.2 *	43.5	100.0
35	KERN	13,794.7	10,467.3	75.9	74.4	77.3
36	PLUMAS	154.3	117.0	75.8	62.1	89.5
37	MADERA	2,318.3	1,748.0	75.4	71.9	78.9
38	KINGS	2,526.7	1,896.0	75.0	71.7	78.4
39	MONO	145.7	108.7	74.6	60.6	88.6
40	LASSEN	289.7	215.0	74.2	64.3	84.1
41	DEL NORTE	344.3	253.7	73.7	64.6	82.7
42	MARIPOSA	134.7	99.0	73.5	59.7	89.5
43	MONTEREY	6,749.0	4,952.3	73.4	71.3	75.4
44	SANTA BARBARA	5,823.3	4,256.7	73.1	70.9	75.3
45	BUTTE	2,390.0	1,738.3	72.7	69.3	76.2
46	COLUSA	332.0	237.3	71.5	62.4	80.6
47	ALPINE	4.7	3.3	71.4 *	16.4	100.0
48	MODOC	94.0	66.3	70.6	54.6	89.7
49	SHASTA	2,019.0	1,412.3	70.0	66.3	73.6
50	GLENN	410.7	282.0	68.7	60.7	76.7
51	TEHAMA	759.7	515.7	67.9	62.0	73.7
52	MENDOCINO	1,060.7	719.7	67.9	62.9	72.8
53	YUBA	1,243.7	827.7	66.6	62.0	71.1
54	LAKE	711.3	473.0	66.5	60.5	72.5
55	SUTTER	1,364.7	896.0	65.7	61.4	70.0
56	MERCED	4,182.7	2,689.7	64.3	61.9	66.7
57	TRINITY	112.3	65.0	57.9	44.7	73.8
58	IMPERIAL	3,008.3	1,678.7	55.8	53.1	58.5

* 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: 2009-2011 Birth Statistical Master Files.

**ADEQUATE/ADEQUATE PLUS PRENATAL CARE
(ADEQUACY OF PRENATAL CARE UTILIZATION INDEX), 2009-2011**



The ratio of births to mothers with adequate/adequate plus prenatal care for California was 79.7 per 100 live births. The 79.7 percentage was based on a 2009 through 2011 three-year average number of births to mothers with adequate/adequate plus prenatal care equaling 395,199.0 and live births of 495,904.0.

Among counties with reliable percentages, the percent of births to mothers with adequate/adequate plus prenatal care ranged from 89.3 in Fresno County to 55.6 in Imperial County, a factor of 1.6 to 1.

Twenty-nine counties with reliable percentages 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. One county with an unreliable percentage met the national objective. The statewide percentage of mothers who received adequate/adequate plus prenatal care met the national objective.

The California ratio of births to mothers with adequate/adequate plus prenatal care for the 2006-2008 period was 78.7 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, 2009-2011**

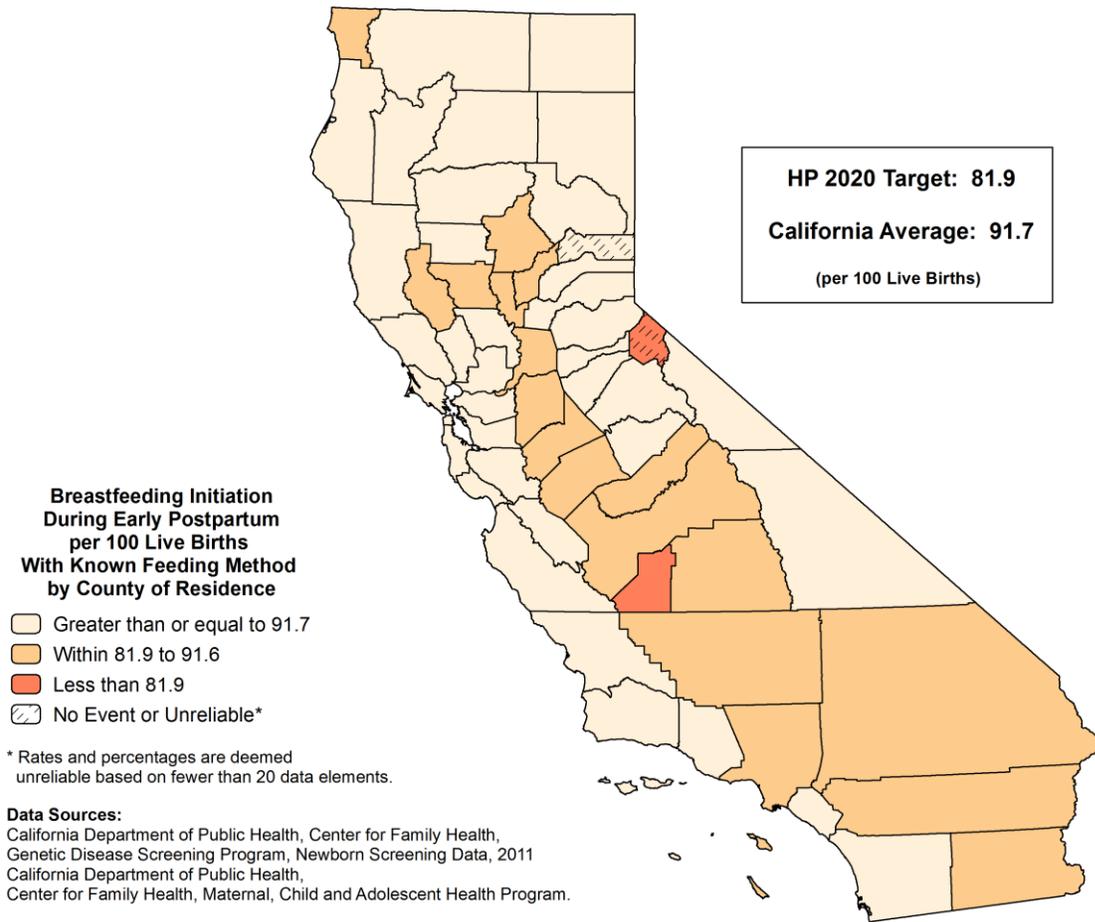
RANK ORDER	COUNTY OF RESIDENCE	2009-2011 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	ADEQUATE / ADEQUATE PLUS CARE		LOWER	UPPER
			NUMBER	PERCENT		
1	FRESNO	14,553.0	12,995.0	89.3	87.8	90.8
2	ORANGE	38,154.7	33,678.3	88.3	87.3	89.2
3	AMADOR	275.7	242.3	87.9	76.8	99.0
4	SAN LUIS OBISPO	2,612.3	2,243.7	85.9	82.3	89.4
5	MARIN	2,397.7	2,019.7	84.2	80.6	87.9
6	SANTA CRUZ	3,128.3	2,632.0	84.1	80.9	87.3
7	SAN MATEO	9,191.7	7,707.7	83.9	82.0	85.7
8	LOS ANGELES	127,533.0	106,380.7	83.4	82.9	83.9
9	PLACER	3,804.0	3,161.7	83.1	80.2	86.0
10	MONO	145.0	119.7	82.5	67.7	97.3
11	CALAVERAS	333.7	273.7	82.0	72.3	91.7
12	VENTURA	11,028.3	9,022.0	81.8	80.1	83.5
13	TUOLUMNE	442.7	362.0	81.8	73.4	90.2
14	RIVERSIDE	29,176.3	23,655.3	81.1	80.0	82.1
15	DEL NORTE	343.3	277.7	80.9	71.4	90.4
16	SAN FRANCISCO	8,737.7	7,020.7	80.3	78.5	82.2
17	SANTA BARBARA	5,801.3	4,634.3	79.9	77.6	82.2
	CALIFORNIA	495,904.0	395,199.0	79.7	79.4	79.9
18	COLUSA	330.7	263.0	79.5	69.9	89.1
19	SAN BENITO	746.0	592.3	79.4	73.0	85.8
20	YOLO	2,380.0	1,879.7	79.0	75.4	82.5
21	TULARE	7,999.0	6,298.7	78.7	76.8	80.7
22	ALAMEDA	19,333.0	15,221.3	78.7	77.5	80.0
23	SACRAMENTO	19,435.0	15,273.7	78.6	77.3	79.8
24	ALPINE	4.7	3.7	78.6 *	19.8	100.0
25	HUMBOLDT	1,461.0	1,143.3	78.3	73.7	82.8
26	EL DORADO	1,644.0	1,285.0	78.2	73.9	82.4
27	GLENN	402.7	314.7	78.1	69.5	86.8
28	SANTA CLARA	24,076.7	18,791.7	78.0	76.9	79.2
29	SUTTER	1,363.0	1,061.0	77.8	73.2	82.5
30	NEVADA	762.0	592.0	77.7	71.4	83.9
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE MICH-10.2			77.6		
31	SAN BERNARDINO	30,760.3	23,573.3	76.6	75.7	77.6
32	YUBA	1,240.3	949.3	76.5	71.7	81.4
33	SISKIYOU	453.7	345.7	76.2	68.2	84.2
34	BUTTE	2,359.0	1,794.7	76.1	72.6	79.6
35	CONTRA COSTA	12,244.3	9,298.7	75.9	74.4	77.5
36	NAPA	1,558.3	1,177.0	75.5	71.2	79.8
37	MENDOCINO	1,051.3	794.0	75.5	70.3	80.8
38	INYO	211.3	158.7	75.1	63.4	86.8
39	SHASTA	1,971.3	1,469.3	74.5	70.7	78.3
40	SONOMA	5,363.0	3,993.3	74.5	72.2	76.8
41	SAN DIEGO	44,430.3	32,888.0	74.0	73.2	74.8
42	TEHAMA	755.3	556.7	73.7	67.6	79.8
43	MONTEREY	6,714.3	4,890.3	72.8	70.8	74.9
44	KINGS	2,495.3	1,811.3	72.6	69.2	75.9
45	MARIPOSA	133.0	96.3	72.4	58.7	88.4
46	KERN	13,189.3	9,532.0	72.3	70.8	73.7
47	SAN JOAQUIN	9,959.0	7,158.7	71.9	70.2	73.5
48	MADERA	2,287.3	1,632.3	71.4	67.9	74.8
49	STANISLAUS	7,559.0	5,367.7	71.0	69.1	72.9
50	PLUMAS	151.7	107.7	71.0	57.6	84.4
51	LAKE	704.0	481.0	68.3	62.2	74.4
52	SIERRA	21.0	14.3	68.3 *	37.6	100.0
53	SOLANO	5,121.3	3,397.3	66.3	64.1	68.6
54	LASSEN	282.7	184.0	65.1	55.7	74.5
55	MODOC	93.0	59.7	64.2	48.9	82.6
56	MERCED	4,099.3	2,591.7	63.2	60.8	65.7
57	TRINITY	109.7	69.0	62.9	49.0	79.6
58	IMPERIAL	2,989.0	1,660.7	55.6	52.9	58.2

* 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: 2009-2011 Birth Statistical Master Files.

BREASTFEEDING INITIATION DURING EARLY POSTPARTUM, 2011



The percentage of breastfed infants in California was 91.7 where the feeding method was known. This percentage was based on 2011 single year data with 400,856 breastfed infants and 436,938 births with a known feeding method.

Among counties with reliable percentages, the percent of breastfed infants ranged from 98.4 in Marin County to 80.9 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 to 81.9 percent of total births. An additional county with an unreliable rate met the objective.

The percentage of breastfed infants in California for the 2010 period was 90.8.

**TABLE 28
BREASTFEEDING INITIATION DURING EARLY POSTPARTUM
RANKED BY BREASTFEEDING INITIATION PERCENTAGE
CALIFORNIA COUNTIES, 2011**

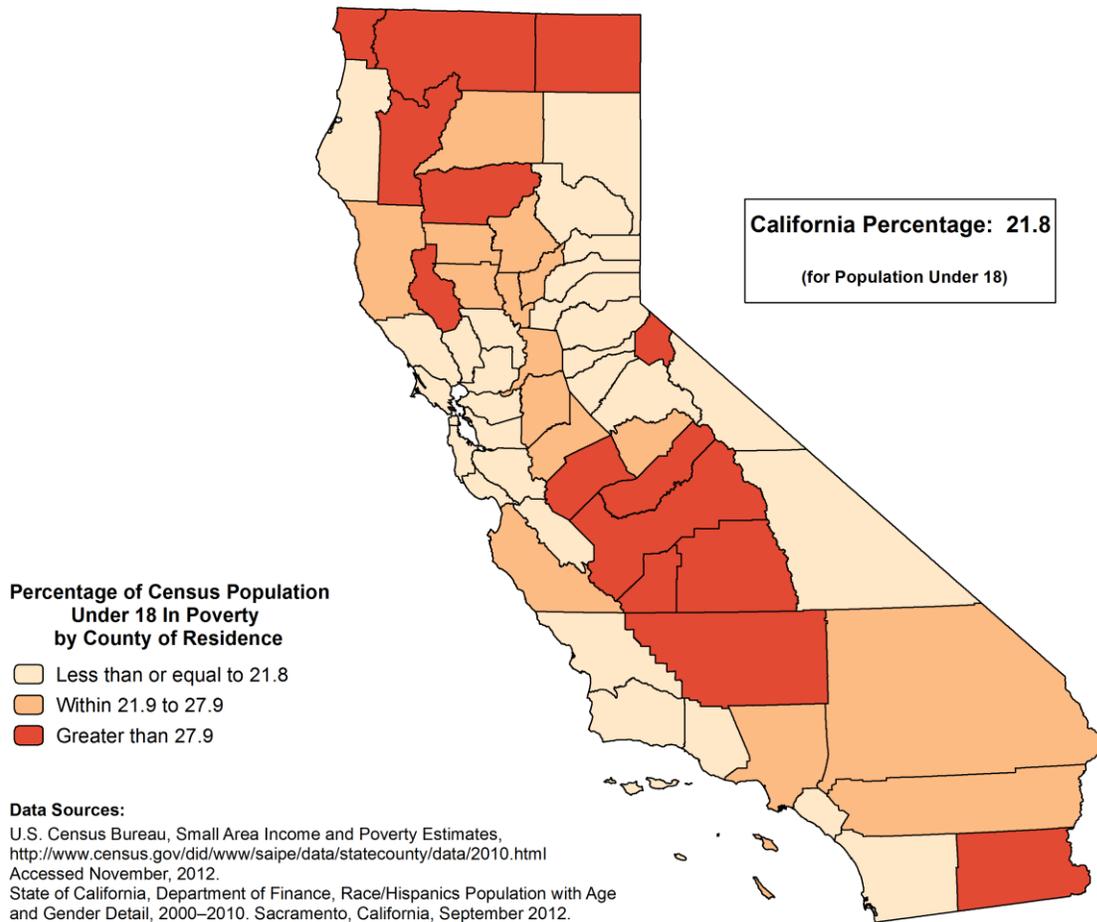
RANK ORDER	COUNTY OF RESIDENCE	2011 BIRTHS WITH KNOWN FEEDING METHOD			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	BREASTFED		LOWER	UPPER
			NUMBER	PERCENT		
1	SIERRA	13	13	100.0 *	53.2	100.0
2	MARIN	2,041	2,008	98.4	94.1	100.0
3	SANTA CRUZ	2,794	2,739	98.0	94.4	100.0
4	PLUMAS	117	114	97.4	79.5	100.0
5	SAN MATEO	8,212	7,962	97.0	94.8	99.1
6	TUOLUMNE	392	380	96.9	87.2	100.0
7	MONO	130	126	96.9	80.0	100.0
8	SAN LUIS OBISPO	2,318	2,246	96.9	92.9	100.0
9	NEVADA	640	620	96.9	89.2	100.0
10	NAPA	1,323	1,281	96.8	91.5	100.0
11	MARIPOSA	123	119	96.7	79.4	100.0
12	SAN BENITO	626	605	96.6	88.9	100.0
13	SAN FRANCISCO	7,887	7,621	96.6	94.5	98.8
14	MODOC	29	28	96.6	64.2	100.0
15	SONOMA	4,512	4,356	96.5	93.7	99.4
16	ALAMEDA	16,494	15,905	96.4	94.9	97.9
17	MONTEREY	5,848	5,638	96.4	93.9	98.9
18	SANTA CLARA	20,699	19,865	96.0	94.6	97.3
19	TRINITY	96	92	95.8	77.3	100.0
20	CONTRA COSTA	10,258	9,809	95.6	93.7	97.5
21	MENDOCINO	962	919	95.5	89.4	100.0
22	SANTA BARBARA	5,059	4,829	95.5	92.8	98.1
23	EL DORADO	1,403	1,338	95.4	90.3	100.0
24	INYO	184	175	95.1	81.0	100.0
25	AMADOR	242	230	95.0	82.8	100.0
26	YOLO	2,132	2,026	95.0	90.9	99.2
27	SAN DIEGO	34,247	32,519	95.0	93.9	96.0
28	PLACER	3,327	3,159	95.0	91.6	98.3
29	VENTURA	9,368	8,859	94.6	92.6	96.5
30	HUMBOLDT	1,299	1,217	93.7	88.4	99.0
31	CALAVERAS	278	260	93.5	82.2	100.0
32	ORANGE	34,502	32,197	93.3	92.3	94.3
33	SOLANO	4,107	3,829	93.2	90.3	96.2
34	SHASTA	1,805	1,682	93.2	88.7	97.6
35	GLENN	355	330	93.0	82.9	100.0
36	LASSEN	245	227	92.7	80.6	100.0
37	SISKIYOU	331	306	92.4	82.1	100.0
38	TEHAMA	636	584	91.8	84.4	99.3
	CALIFORNIA	436,938	400,856	91.7	91.5	92.0
39	LAKE	598	547	91.5	83.8	99.1
40	RIVERSIDE	26,570	24,302	91.5	90.3	92.6
41	MADERA	2,119	1,932	91.2	87.1	95.2
42	LOS ANGELES	115,858	105,363	90.9	90.4	91.5
43	SACRAMENTO	17,580	15,949	90.7	89.3	92.1
44	BUTTE	2,188	1,972	90.1	86.1	94.1
45	IMPERIAL	2,753	2,470	89.7	86.2	93.3
46	DEL NORTE	289	258	89.3	78.4	100.0
47	COLUSA	267	237	88.8	77.5	100.0
48	MERCED	3,775	3,350	88.7	85.7	91.7
49	SUTTER	1,179	1,034	87.7	82.4	93.0
50	SAN JOAQUIN	8,641	7,512	86.9	85.0	88.9
51	SAN BERNARDINO	26,005	22,507	86.5	85.4	87.7
52	STANISLAUS	6,917	5,985	86.5	84.3	88.7
53	YUBA	1,132	978	86.4	81.0	91.8
54	KERN	12,376	10,541	85.2	83.5	86.8
55	TULARE	7,081	5,994	84.6	82.5	86.8
56	FRESNO	14,619	12,129	83.0	81.5	84.4
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE MICH-21.1				81.9	
57	KINGS	1,954	1,581	80.9	76.9	84.9
58	ALPINE	3	2	66.7 *	8.1	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, 2011.
California Department of Public Health, Center for Family Health, Maternal, Child and Adolescent Health Program.

PERSONS UNDER 18 IN POVERTY, 2010



Californians under age 18 living in poverty represents 21.8 percent. This percentage was based on the U.S. Census Bureau, American Community Survey 2010 estimate and California Department of Finance under 18 population counts.

All counties demonstrated reliable percentages for persons less than 18 years of age in poverty. The percentages ranged from 37.9 in Fresno County to 8.5 in San Mateo County, a factor of 4.5 to 1.

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

Californians under age 18 in poverty was 19.8 percent for 2009.

**TABLE 29
PERSONS UNDER 18 IN POVERTY
RANKED BY PERCENTAGE OF CENSUS POPULATION UNDER 18 BELOW POVERTY
CALIFORNIA COUNTIES, 2010**

RANK ORDER	COUNTY OF RESIDENCE	UNDER 18			95% CONFIDENCE LIMITS	
		2010 POPULATION	IN POVERTY		LOWER	UPPER
			NUMBER	PERCENT		
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:		NONE				
1	SAN MATEO	157,167	13,301	8.5	8.3	8.6
2	MARIN	52,901	5,609	10.6	10.3	10.9
3	PLACER	85,086	9,054	10.6	10.4	10.9
4	EL DORADO	41,820	4,717	11.3	11.0	11.6
5	CONTRA COSTA	262,817	32,851	12.5	12.4	12.6
6	SANTA CLARA	429,152	56,661	13.2	13.1	13.3
7	NAPA	31,904	4,563	14.3	13.9	14.7
8	SONOMA	106,863	15,489	14.5	14.3	14.7
9	MONO	3,083	448	14.5	13.2	15.9
10	SAN FRANCISCO	105,491	15,392	14.6	14.4	14.8
11	SAN LUIS OBISPO	50,963	7,527	14.8	14.4	15.1
12	VENTURA	211,864	31,691	15.0	14.8	15.1
13	NEVADA	19,860	3,235	16.3	15.7	16.9
14	ORANGE	729,272	118,904	16.3	16.2	16.4
15	AMADOR	6,337	1,039	16.4	15.4	17.4
16	ALAMEDA	337,199	57,722	17.1	17.0	17.3
17	SAN BENITO	16,094	2,777	17.3	16.6	17.9
18	CALAVERAS	9,047	1,573	17.4	16.5	18.2
19	LASSEN	6,502	1,144	17.6	16.6	18.6
20	SOLANO	101,151	17,893	17.7	17.4	17.9
21	SIERRA	554	103	18.6	15.0	22.2
22	SANTA CRUZ	55,243	10,308	18.7	18.3	19.0
23	YOLO	45,658	8,530	18.7	18.3	19.1
24	SAN DIEGO	712,672	136,770	19.2	19.1	19.3
25	INYO	3,955	793	20.1	18.7	21.4
26	TUOLUMNE	9,709	2,011	20.7	19.8	21.6
27	SANTA BARBARA	97,637	20,762	21.3	21.0	21.6
28	PLUMAS	3,681	783	21.3	19.8	22.8
29	HUMBOLDT	26,761	5,820	21.7	21.2	22.3
	CALIFORNIA	9,225,094	2,012,721	21.8	21.8	21.8
30	MARIPOSA	3,262	718	22.0	20.4	23.6
31	COLUSA	6,444	1,453	22.5	21.4	23.7
32	SUTTER	26,006	6,056	23.3	22.7	23.9
33	RIVERSIDE	614,222	143,511	23.4	23.2	23.5
34	SACRAMENTO	358,564	84,466	23.6	23.4	23.7
35	LOS ANGELES	2,370,827	578,160	24.4	24.3	24.4
36	SAN BERNARDINO	592,264	144,956	24.5	24.3	24.6
37	BUTTE	46,140	11,339	24.6	24.1	25.0
38	GLENN	8,081	1,992	24.7	23.6	25.7
39	SHASTA	39,576	9,769	24.7	24.2	25.2
40	MONTEREY	110,387	28,298	25.6	25.3	25.9
41	SAN JOAQUIN	200,111	51,509	25.7	25.5	26.0
42	MENDOCINO	19,527	5,402	27.7	26.9	28.4
43	STANISLAUS	146,733	40,861	27.8	27.6	28.1
44	YUBA	20,920	5,847	27.9	27.2	28.7
45	LAKE	13,631	3,969	29.1	28.2	30.0
46	DEL NORTE	6,218	1,830	29.4	28.1	30.8
47	KINGS	42,397	12,484	29.4	28.9	30.0
48	TRINITY	2,585	766	29.6	27.5	31.7
49	SISKIYOU	9,399	2,795	29.7	28.6	30.8
50	KERN	253,173	76,107	30.1	29.8	30.3
51	TEHAMA	16,311	4,916	30.1	29.3	31.0
52	ALPINE	255	77	30.2	23.8	37.7
53	MODOC	2,154	664	30.8	28.5	33.2
54	MERCED	80,660	25,055	31.1	30.7	31.4
55	MADERA	42,995	13,394	31.2	30.6	31.7
56	IMPERIAL	50,918	16,157	31.7	31.2	32.2
57	TULARE	144,460	47,902	33.2	32.9	33.5
58	FRESNO	276,432	104,798	37.9	37.7	38.1

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/saipe/data/statecounty/data/2010.html> Accessed November, 2012.

State of California, Department of Finance, Race/Hispanics Population with Age and Gender Detail, 2000–2010. Sacramento, California, September 2012.

**TABLE 30
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2006-2011**

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)	
	2006-2008	2009-2011	2006-2008	2009-2011	2006-2008	2009-2011
CALIFORNIA	162.7	156.4	15.3	14.7	39.7	36.5
ALAMEDA	160.1	153.0	16.8	14.1	37.9	35.5
ALPINE	14.3 *	298.8 *	-	29.3 *	-	54.7 *
AMADOR	162.3	172.7	14.1 *	11.6 *	48.1	47.5
BUTTE	196.4	179.6	14.6	14.0	56.0	44.6
CALAVERAS	166.5	170.8	15.0 *	15.5 *	45.7	44.7
COLUSA	141.2	173.8	10.1 *	11.3 *	40.3 *	60.7 *
CONTRA COSTA	168.3	154.9	17.3	15.7	39.3	36.2
DEL NORTE	210.2	197.1	19.0 *	16.6 *	64.9 *	61.3 *
EL DORADO	162.8	156.4	13.1	13.7	43.1	35.1
FRESNO	159.0	154.4	13.7	13.8	39.9	36.7
GLENN	175.2	168.9	17.0 *	11.6 *	56.2 *	43.4 *
HUMBOLDT	192.8	182.4	18.5	16.8	50.7	47.0
IMPERIAL	153.3	138.1	11.6 *	14.0	34.6	27.5
INYO	159.5	124.0	11.9 *	13.7 *	52.7 *	35.4 *
KERN	175.7	161.3	15.2	13.6	49.1	40.7
KINGS	171.3	143.1	17.5 *	11.0 *	44.9	34.9
LAKE	204.5	193.3	17.9 *	15.3 *	64.1	57.6
LASSEN	117.3	152.1	6.4 *	14.0 *	35.4 *	35.8 *
LOS ANGELES	157.6	153.1	15.8	14.9	35.1	33.0
MADERA	152.7	155.0	17.5	15.9	33.0	41.4
MARIN	146.1	143.0	12.1	12.6	30.5	32.0
MARIPOSA	176.9	148.9	10.0 *	5.3 *	56.8 *	49.2 *
MENDOCINO	164.3	170.9	16.6 *	15.2 *	40.6	45.6
MERCED	161.2	162.3	13.7	17.7	46.6	41.6
MODOC	146.3	178.0	16.9 *	28.0 *	45.6 *	41.1 *
MONO	85.6 *	138.8 *	17.9 *	7.2 *	16.2 *	39.4 *
MONTEREY	141.4	146.4	12.4	11.0	34.3	35.5
NAPA	175.2	180.3	13.0	17.5	46.4	43.4
NEVADA	155.0	154.6	14.1	12.8 *	37.2	35.6
ORANGE	154.1	145.9	14.3	12.4	37.3	33.7
PLACER	171.4	152.0	14.6	12.3	42.5	35.4
PLUMAS	157.4	165.1	11.7 *	16.3 *	48.5 *	35.1 *
RIVERSIDE	166.1	162.7	15.9	17.2	42.2	39.5
SACRAMENTO	174.0	172.6	15.9	15.7	48.1	44.8
SAN BENITO	155.5	153.5	11.6 *	12.5 *	33.2 *	32.4 *
SAN BERNARDINO	174.5	170.0	16.5	17.9	43.1	40.3
SAN DIEGO	168.4	160.6	15.1	14.4	40.2	37.2
SAN FRANCISCO	159.6	151.2	16.1	15.1	38.4	36.8
SAN JOAQUIN	175.3	168.3	15.2	14.2	47.9	47.0
SAN LUIS OBISPO	160.0	153.9	11.2	13.7	42.9	35.9
SAN MATEO	155.0	153.9	16.3	14.1	36.6	34.8
SANTA BARBARA	155.7	141.1	13.4	11.4	36.1	32.3
SANTA CLARA	148.1	139.5	13.6	13.5	34.0	28.9
SANTA CRUZ	157.9	145.3	13.6	13.4	34.0	28.1
SHASTA	197.9	194.8	15.3	18.3	62.5	49.9
SIERRA	122.1 *	91.2 *	20.0 *	-	17.1 *	24.2 *
SISKIYOU	179.5	193.7	17.7 *	16.9 *	52.4	53.2
SOLANO	181.6	177.0	17.3	15.6	48.9	43.5
SONOMA	174.0	167.4	16.0	15.5	44.1	40.6
STANISLAUS	176.2	161.7	19.6	16.3	48.3	41.8
SUTTER	154.4	158.6	13.6 *	11.2 *	45.3	52.1
TEHAMA	201.5	185.5	13.8 *	16.0 *	60.6	53.4
TRINITY	196.1	200.8	10.5 *	16.0 *	70.3 *	62.6 *
TULARE	162.0	160.7	13.5	14.5	42.6	44.4
TUOLUMNE	173.6	157.0	13.3 *	15.8 *	45.0	41.6
VENTURA	151.7	148.6	14.6	14.9	36.5	32.1
YOLO	167.6	154.5	16.8	14.2	46.3	33.7
YUBA	204.1	196.0	15.3 *	18.2 *	80.8	61.6

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

- Rates 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 AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2006-2011

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)	
	2006-2008	2009-2011	2006-2008	2009-2011	2006-2008	2009-2011
CALIFORNIA	22.1	21.3	22.8	21.9	22.1	20.2
ALAMEDA	22.3	21.1	23.2	23.6	22.8	20.0
ALPINE	-	-	-	143.4 *	23.1 *	21.2 *
AMADOR	15.9 *	37.2 *	17.5 *	22.6 *	12.3 *	6.8 *
BUTTE	24.0	26.0	29.1	25.5	18.1	15.5
CALAVERAS	19.7 *	27.2 *	26.2 *	20.8 *	12.7 *	15.2 *
COLUSA	9.9 *	23.7 *	17.0 *	24.4 *	13.5 *	4.0 *
CONTRA COSTA	24.4	21.4	23.5	21.4	19.0	16.9
DEL NORTE	22.4 *	25.5 *	22.3 *	21.3 *	15.2 *	19.0 *
EL DORADO	19.8	19.7	21.9 *	18.7 *	12.7	13.8
FRESNO	21.1	18.4	21.9	19.2	31.7	28.5
GLENN	16.3 *	19.4 *	18.8 *	20.9 *	28.6 *	29.1 *
HUMBOLDT	28.6	23.9	22.9 *	23.4 *	20.9	25.9
IMPERIAL	18.2 *	18.2 *	21.2 *	24.5 *	35.0	32.0
INYO	16.7 *	27.9 *	14.2 *	28.0 *	17.0 *	9.9 *
KERN	21.7	22.5	26.9	24.4	33.4	32.4
KINGS	20.5 *	21.1 *	27.4 *	19.5 *	31.2	30.3
LAKE	13.4 *	25.2 *	21.4 *	29.3 *	17.5 *	18.4 *
LASSEN	19.2 *	8.9 *	13.5 *	8.1 *	25.2 *	24.4 *
LOS ANGELES	22.1	21.9	22.8	21.7	25.4	22.3
MADERA	22.6 *	11.5 *	28.4 *	20.3 *	26.1	15.3
MARIN	22.0	18.1	19.9	19.7	9.9	8.4
MARIPOSA	30.0 *	10.6 *	38.6 *	21.2 *	23.4 *	9.9 *
MENDOCINO	24.0 *	26.6 *	21.8 *	17.8 *	18.5 *	15.1 *
MERCED	24.1	18.6	20.5 *	21.2 *	26.0	26.1
MODOC	27.9 *	19.4 *	15.0 *	17.0 *	23.5 *	7.4 *
MONO	29.6 *	7.0 *	7.9 *	17.9 *	6.3 *	7.2 *
MONTEREY	19.2	18.6	21.7	21.7	20.6	16.2
NAPA	23.0	19.8 *	23.9 *	25.2 *	19.5	15.4
NEVADA	24.9 *	15.2 *	24.0 *	28.5 *	13.7 *	10.5 *
ORANGE	20.5	19.6	20.9	20.4	16.1	14.0
PLACER	23.7	25.4	23.2	17.1	15.0	12.2
PLUMAS	17.8 *	17.1 *	19.2 *	29.2 *	19.6 *	15.5 *
RIVERSIDE	23.7	22.1	24.0	24.6	20.7	20.5
SACRAMENTO	22.0	21.7	22.5	22.2	20.4	20.2
SAN BENITO	22.1 *	21.8 *	3.9 *	26.6 *	19.5 *	15.2 *
SAN BERNARDINO	24.5	24.2	29.4	26.1	31.6	33.9
SAN DIEGO	22.6	22.4	24.1	24.2	20.3	19.1
SAN FRANCISCO	20.1	17.3	15.3	17.0	12.5	10.9
SAN JOAQUIN	22.5	22.7	23.1	21.3	35.3	28.9
SAN LUIS OBISPO	21.9	20.5	22.8	20.7	10.7	13.5
SAN MATEO	21.9	19.6	21.8	20.5	12.6	12.2
SANTA BARBARA	21.9	17.8	23.1	23.1	14.2	16.5
SANTA CLARA	20.0	18.7	17.7	17.1	23.0	22.9
SANTA CRUZ	27.9	23.4	18.4 *	22.5	16.5	14.7
SHASTA	21.3	21.3	24.8	27.6	13.9	13.5
SIERRA	9.5 *	8.2 *	-	31.9 *	16.5 *	15.2 *
SISKIYOU	21.3 *	24.1 *	30.9 *	27.0 *	20.7 *	22.8 *
SOLANO	23.3	24.1	23.2	24.8	31.6	23.4
SONOMA	23.3	25.6	26.1	20.9	17.1	15.8
STANISLAUS	22.8	19.8	26.5	19.3	24.5	22.4
SUTTER	19.6 *	17.7 *	24.6 *	20.8 *	17.6 *	16.5 *
TEHAMA	25.9 *	17.1 *	31.2 *	26.5 *	15.5 *	18.1 *
TRINITY	8.8 *	20.2 *	32.9 *	23.7 *	9.8 *	7.4 *
TULARE	21.6	17.7	21.5	20.9	29.5	24.8
TUOLUMNE	21.8 *	19.1 *	25.6 *	15.1 *	16.4 *	13.1 *
VENTURA	19.1	21.7	22.8	22.4	19.4	16.1
YOLO	23.0	17.9 *	24.1 *	21.7 *	20.2	20.3
YUBA	25.5 *	19.7 *	25.0 *	19.6 *	14.5 *	27.7 *

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

- Rates 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 AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2006-2011

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)	
	2006-2008	2009-2011	2006-2008	2009-2011	2006-2008	2009-2011
CALIFORNIA	27.0	30.5	143.7	122.4	42.8	38.1
ALAMEDA	20.4	26.3	125.9	97.7	44.7	39.2
ALPINE	-	-	54.2 *	-	-	-
AMADOR	21.6 *	30.4 *	135.1	107.3	38.0	34.9
BUTTE	30.4	40.4	142.4	120.5	47.9	46.0
CALAVERAS	11.2 *	16.9 *	130.2	123.8	30.5	36.5
COLUSA	29.2 *	32.9 *	146.0	107.2	22.4 *	49.7 *
CONTRA COSTA	31.6	31.3	105.0	88.2	46.4	39.7
DEL NORTE	15.8 *	23.1 *	136.0	132.3	59.8 *	42.6 *
EL DORADO	26.4	33.9	115.8	97.0	30.2	26.0
FRESNO	27.9	33.1	147.9	128.2	52.7	46.2
GLENN	27.6 *	19.2 *	131.0	118.0	37.3 *	31.7 *
HUMBOLDT	38.1	27.9	141.5	107.5	61.0	52.4
IMPERIAL	11.1 *	16.2	123.9	118.4	43.1	45.3
INYO	2.3 *	3.6 *	156.1	131.6	25.1 *	40.7 *
KERN	38.1	36.0	203.9	165.1	48.4	42.4
KINGS	15.4 *	34.4	137.8	132.6	47.7	40.0
LAKE	19.8 *	29.0	164.7	164.7	50.3	55.3
LASSEN	16.5 *	10.6 *	98.8	123.5	28.8 *	31.0 *
LOS ANGELES	21.8	24.9	165.7	139.5	40.3	36.5
MADERA	31.3	43.2	167.4	163.4	44.5	40.9
MARIN	29.8	34.6	84.7	68.9	38.5	29.8
MARIPOSA	13.7 *	27.4 *	130.0	97.3	46.7 *	44.7 *
MENDOCINO	17.5 *	15.4 *	130.7	124.5	43.4	32.2
MERCED	19.2	24.0	169.2	142.7	49.2	46.0
MODOC	13.0 *	17.2 *	94.9 *	134.8 *	32.1 *	48.6 *
MONO	-	32.9 *	60.5 *	141.4 *	15.5 *	28.6 *
MONTEREY	17.1	17.9	116.9	95.0	39.8	37.3
NAPA	36.1	31.6	101.6	102.7	44.3	39.8
NEVADA	16.1	28.7	114.6	97.6	45.6	39.4
ORANGE	30.4	33.0	132.7	107.8	41.4	35.2
PLACER	35.0	33.9	124.4	103.7	50.8	35.3
PLUMAS	13.2 *	22.1 *	82.8	116.6	30.6 *	33.6 *
RIVERSIDE	31.3	34.7	164.2	152.3	43.9	42.8
SACRAMENTO	25.4	27.9	148.6	130.0	48.9	40.6
SAN BENITO	15.6 *	12.4 *	89.1	79.2	41.3 *	40.9 *
SAN BERNARDINO	29.6	30.1	189.7	164.8	46.1	43.7
SAN DIEGO	36.8	38.1	123.1	109.7	39.7	34.8
SAN FRANCISCO	19.7	22.9	121.7	101.9	40.7	34.8
SAN JOAQUIN	26.8	37.5	178.0	134.6	47.3	45.7
SAN LUIS OBISPO	16.0	23.7	109.9	90.5	48.9	56.6
SAN MATEO	25.9	33.6	103.5	95.3	38.4	34.7
SANTA BARBARA	22.2	28.3	122.2	119.2	43.7	35.3
SANTA CLARA	36.0	38.8	115.0	90.3	34.3	28.3
SANTA CRUZ	22.9	32.5	108.7	97.2	34.4	34.8
SHASTA	24.6	36.7	157.4	121.5	49.4	44.4
SIERRA	10.7 *	14.7 *	123.9 *	105.5 *	27.7 *	53.3 *
SISKIYOU	20.4 *	26.1 *	116.4	121.0	45.5	47.5
SOLANO	41.8	49.9	114.8	99.9	46.7	37.8
SONOMA	34.2	38.7	114.8	106.8	51.2	39.2
STANISLAUS	30.0	38.7	189.6	165.2	47.9	44.5
SUTTER	27.5	24.2	154.0	140.7	37.9	39.2
TEHAMA	31.1	31.8	124.8	111.6	55.6	53.7
TRINITY	12.1 *	28.8 *	88.3 *	130.9	46.7 *	17.9 *
TULARE	12.3	20.3	154.9	147.2	50.8	50.6
TUOLUMNE	15.5 *	15.2 *	112.5	109.6	37.8	37.0
VENTURA	25.6	28.0	136.5	105.5	38.8	36.4
YOLO	33.4	38.2	107.5	85.1	46.3	39.4
YUBA	22.0 *	22.2 *	175.3	156.8	41.7	48.1

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

- Rates 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 AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2006-2011

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)	
	2006-2008	2009-2011	2006-2008	2009-2011	2006-2008	2009-2011
CALIFORNIA	20.6	17.3	39.4	37.5	11.2	11.4
ALAMEDA	17.7	15.6	32.7	30.2	9.4	8.9
ALPINE	-	-	-	-	-	-
AMADOR	27.6 *	21.2 *	47.4	48.4	11.5 *	14.8 *
BUTTE	17.2	15.6	58.1	59.4	12.0	14.4
CALAVERAS	21.8 *	17.1 *	45.8	45.7	9.9 *	10.6 *
COLUSA	6.5 *	15.6 *	52.0 *	48.1 *	8.2 *	8.5 *
CONTRA COSTA	16.5	12.4	39.1	35.4	9.0	9.4
DEL NORTE	12.3 *	17.5 *	63.8 *	56.7 *	9.6 *	12.2 *
EL DORADO	14.1	13.8	40.1	40.5	9.2	8.4
FRESNO	23.3	24.0	41.9	36.3	13.8	14.9
GLENN	21.1 *	18.7 *	55.2 *	55.2 *	15.6 *	5.9 *
HUMBOLDT	15.8	11.8 *	59.8	56.2	15.7	15.1
IMPERIAL	13.6 *	12.7 *	33.6	22.6	14.5	15.9
INYO	12.6 *	10.7 *	46.3 *	46.8 *	27.3 *	17.5 *
KERN	23.8	23.9	69.8	68.4	14.8	13.1
KINGS	17.1 *	16.8 *	47.9	48.4	11.5 *	14.3 *
LAKE	19.4 *	23.6 *	68.1	71.1	22.9	21.7 *
LASSEN	6.3 *	11.2 *	44.3 *	41.2 *	7.7 *	5.9 *
LOS ANGELES	26.5	22.9	34.7	33.4	12.1	12.6
MADERA	20.2	18.7	46.9	44.0	14.7	14.3
MARIN	15.3	12.3	30.1	21.2	7.8	6.5
MARIPOSA	13.4 *	15.2 *	52.1 *	30.7 *	7.8 *	10.8 *
MENDOCINO	14.3 *	12.3 *	44.2	47.2	17.4 *	11.9 *
MERCED	15.9	14.6	46.8	47.3	10.0	14.3
MODOC	31.6 *	14.1 *	59.6 *	71.6 *	13.5 *	17.4 *
MONO	-	9.0 *	-	18.4 *	11.1 *	3.2 *
MONTEREY	13.7	11.5	33.6	30.4	10.5	11.1
NAPA	20.4	18.4	42.6	35.9	11.2 *	11.4 *
NEVADA	15.9	13.5	42.0	45.8	8.0 *	8.4 *
ORANGE	21.1	17.5	34.1	31.6	9.6	9.6
PLACER	16.1	14.0	43.8	36.7	6.7	8.8
PLUMAS	13.6 *	8.1 *	44.7 *	66.1 *	7.8 *	5.0 *
RIVERSIDE	15.1	13.8	50.4	49.0	10.0	11.5
SACRAMENTO	23.5	20.6	43.7	42.8	11.1	10.8
SAN BENITO	23.0 *	17.8 *	32.6 *	34.0 *	12.6 *	13.6 *
SAN BERNARDINO	20.1	11.9	59.2	57.0	13.2	12.6
SAN DIEGO	11.8	10.1	37.2	34.6	10.3	10.1
SAN FRANCISCO	24.1	16.9	25.8	22.0	8.1	8.8
SAN JOAQUIN	18.0	16.9	48.1	44.4	15.2	16.0
SAN LUIS OBISPO	12.5	11.0	36.8	37.8	10.0	11.0
SAN MATEO	25.4	21.7	29.4	29.3	9.6	10.0
SANTA BARBARA	13.7	13.4	31.7	28.2	12.6	11.2
SANTA CLARA	20.2	14.5	28.1	25.1	9.0	9.3
SANTA CRUZ	13.2	13.9	36.2	33.0	13.2	13.1
SHASTA	18.9	11.7	71.1	71.5	17.5	14.9
SIERRA	8.2 *	23.4 *	26.5 *	64.2 *	4.6 *	27.7 *
SISKIYOU	17.5 *	14.8 *	55.7	59.2	24.9 *	17.1 *
SOLANO	26.3	21.9	42.0	43.8	8.0	11.6
SONOMA	18.0	8.9	37.9	40.4	11.5	11.3
STANISLAUS	23.9	19.2	51.2	48.4	11.8	13.2
SUTTER	21.3 *	17.6 *	51.5	55.0	12.4 *	12.2 *
TEHAMA	24.8 *	16.3 *	74.9	70.4	17.8 *	16.8 *
TRINITY	18.6 *	16.0 *	48.4 *	37.1 *	20.7 *	19.7 *
TULARE	23.1	24.6	46.6	51.1	17.0	14.6
TUOLUMNE	19.2 *	17.3 *	36.5	42.0	14.4 *	15.0 *
VENTURA	14.2	11.0	37.1	34.4	9.7	10.1
YOLO	32.8	23.0	48.0	53.5	13.6	12.2
YUBA	23.5 *	22.7 *	73.1	61.8	16.7 *	18.1 *

* Rates are deemed unreliable based on fewer than 20 data elements.
- Rates 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 AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2006-2011

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)	
	2006-2008	2009-2011	2006-2008	2009-2011	2006-2008	2009-2011
CALIFORNIA	30.8	27.6	10.6	7.5	9.7	10.2
ALAMEDA	28.6	21.3	7.0	4.3	8.0	9.0
ALPINE	-	86.0 *	-	40.9 *	45.9 *	-
AMADOR	51.4	58.7	22.4 *	17.4 *	18.3 *	25.0 *
BUTTE	61.9	61.7	19.3	13.2	18.4	19.5
CALAVERAS	51.2	52.6	26.6 *	24.5 *	16.8 *	25.2 *
COLUSA	37.3 *	36.1 *	21.5 *	17.9 *	13.9 *	16.8 *
CONTRA COSTA	26.2	25.8	8.2	6.1	9.5	10.8
DEL NORTE	64.4 *	61.7 *	29.6 *	20.1 *	9.8 *	22.5 *
EL DORADO	46.4	38.9	12.4	8.9 *	12.6	18.7
FRESNO	42.3	37.1	17.9	13.2	9.8	8.1
GLENN	64.1 *	65.9 *	22.6 *	18.8 *	12.4 *	9.6 *
HUMBOLDT	74.2	65.2	18.3	15.7	21.0	22.7
IMPERIAL	39.8	28.6	16.7	9.2 *	6.9 *	7.3 *
INYO	41.6 *	29.0 *	13.9 *	3.6 *	8.5 *	20.4 *
KERN	48.7	42.3	19.1	13.4	10.6	11.5
KINGS	40.3	39.7	19.8	14.6	8.8 *	7.3 *
LAKE	70.2	85.7	23.1 *	21.9 *	27.9 *	26.7 *
LASSEN	46.9 *	44.9 *	9.8 *	9.7 *	18.0 *	11.5 *
LOS ANGELES	23.6	20.0	9.0	6.2	7.4	7.8
MADERA	46.4	41.8	23.6	18.9	11.9 *	13.1 *
MARIN	20.7	22.1	4.6 *	3.1 *	13.9	13.8
MARIPOSA	52.8 *	42.0 *	24.9 *	18.0 *	22.7 *	26.7 *
MENDOCINO	52.9	55.7	15.9 *	16.0 *	24.0	22.2
MERCED	43.3	40.9	19.0	13.3	7.0 *	12.6
MODOC	65.6 *	59.9 *	17.3 *	17.2 *	12.6 *	17.9 *
MONO	18.0 *	22.8 *	3.8 *	9.2 *	2.1 *	10.6 *
MONTEREY	30.4	30.0	12.1	8.3	10.0	8.8
NAPA	29.6	25.7	10.0 *	8.0 *	12.2 *	10.5 *
NEVADA	42.0	34.0	14.3 *	12.2 *	16.9 *	21.4
ORANGE	23.5	21.8	7.4	4.7	9.3	9.0
PLACER	32.1	26.9	8.8	7.2	11.2	14.4
PLUMAS	41.1 *	51.1 *	8.8 *	10.8 *	8.8 *	19.8 *
RIVERSIDE	35.5	31.8	14.6	9.4	10.3	9.8
SACRAMENTO	37.3	32.8	10.0	8.5	12.8	12.1
SAN BENITO	22.8 *	28.1 *	11.5 *	11.3 *	7.3 *	10.4 *
SAN BERNARDINO	29.8	25.6	14.8	9.9	10.0	11.0
SAN DIEGO	31.4	30.6	9.6	6.6	11.1	11.5
SAN FRANCISCO	35.9	33.0	5.3	2.9	11.0	10.5
SAN JOAQUIN	44.8	43.1	15.9	11.4	10.0	10.2
SAN LUIS OBISPO	38.0	33.0	12.1	7.8	12.4	16.3
SAN MATEO	22.6	21.4	5.8	4.4	8.5	8.9
SANTA BARBARA	32.3	29.2	9.3	7.1	8.9	10.9
SANTA CLARA	23.8	22.9	6.7	5.2	7.9	8.3
SANTA CRUZ	34.3	32.7	10.2	5.2 *	11.2	13.6
SHASTA	57.7	62.6	12.4	13.8	22.1	22.2
SIERRA	19.7 *	44.9 *	19.7 *	-	14.1 *	17.0 *
SISKIYOU	67.7	71.4	28.2 *	17.5 *	25.1 *	27.1 *
SOLANO	32.0	28.7	12.0	7.5	9.6	12.7
SONOMA	30.8	27.2	10.1	6.6	12.0	13.1
STANISLAUS	48.0	38.1	14.8	11.5	10.3	11.4
SUTTER	40.1	40.0	18.0 *	13.4 *	10.6 *	11.9 *
TEHAMA	51.5	60.2	19.4 *	20.0 *	20.5 *	17.8 *
TRINITY	74.6 *	64.6 *	28.3 *	19.7 *	36.7 *	25.4 *
TULARE	44.0	36.7	21.7	14.0	10.1	10.3
TUOLUMNE	54.3	61.2	13.0 *	18.0 *	20.0 *	23.4 *
VENTURA	32.1	27.2	10.3	7.4	10.8	11.3
YOLO	33.1	27.9	10.8	7.6 *	11.2	8.3 *
YUBA	68.5	55.7	21.0 *	12.3 *	18.7 *	13.9 *

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

- Rates 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 AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2006-2011

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)	
	2006-2008	2009-2011	2006-2008	2009-2011	2006-2008	2009-2011
CALIFORNIA	6.4	5.2	8.8	7.8	11.1	10.9
ALAMEDA	10.6	8.1	11.9	10.2	11.7	9.3
ALPINE	-	-	45.9 *	-	-	-
AMADOR	1.1 *	5.0 *	12.1 *	15.6 *	19.8 *	27.2 *
BUTTE	4.5 *	4.5 *	11.3	11.6	32.1	36.0
CALAVERAS	3.9 *	1.5 *	13.0 *	13.8 *	8.9 *	34.8 *
COLUSA	4.6 *	6.9 *	10.4 *	15.0 *	6.1 *	3.6 *
CONTRA COSTA	10.2	8.4	12.5	11.4	9.4	9.9
DEL NORTE	8.7 *	8.5 *	4.5 *	16.2 *	15.6 *	12.8 *
EL DORADO	3.6 *	1.8 *	9.7 *	12.1	17.8	19.8
FRESNO	7.9	7.1	10.1	8.3	12.5	11.7
GLENN	3.5 *	1.3 *	11.0 *	10.3 *	18.5 *	26.2 *
HUMBOLDT	2.4 *	5.9 *	11.8 *	11.2 *	36.4	36.7
IMPERIAL	4.3 *	1.7 *	6.4 *	5.7 *	10.8 *	10.5 *
INYO	-	6.7 *	5.9 *	19.9 *	4.0 *	8.0 *
KERN	7.4	8.7	10.9	11.9	16.7	18.3
KINGS	3.5 *	5.6 *	6.8 *	5.6 *	8.6 *	8.7 *
LAKE	7.2 *	6.5 *	13.5 *	16.7 *	27.6 *	45.3
LASSEN	2.3 *	4.6 *	8.2 *	10.3 *	28.6 *	22.1 *
LOS ANGELES	8.9	6.4	10.0	7.8	7.9	7.0
MADERA	5.5 *	5.7 *	9.1 *	9.6 *	8.7 *	12.1 *
MARIN	1.5 *	2.7 *	4.4 *	5.9 *	12.7	11.2
MARIPOSA	2.1 *	-	14.2 *	15.7 *	18.2 *	14.3 *
MENDOCINO	6.6 *	6.8 *	16.4 *	17.1 *	21.6	17.4 *
MERCED	7.6 *	7.9	9.0	9.8	9.9	12.1
MODOC	-	10.9 *	17.7 *	28.8 *	30.6 *	19.5 *
MONO	-	-	-	8.6 *	-	9.8 *
MONTEREY	6.7	10.0	8.4	11.0	9.5	10.2
NAPA	2.0 *	1.1 *	6.2 *	4.9 *	7.7 *	10.5 *
NEVADA	2.1 *	3.0 *	14.9 *	12.4 *	13.1 *	14.0 *
ORANGE	2.7	2.5	4.9	4.7	9.6	10.3
PLACER	1.6 *	1.9 *	5.8	8.2	14.3	8.3
PLUMAS	4.1 *	-	12.4 *	10.0 *	20.6 *	32.3 *
RIVERSIDE	5.4	4.2	8.9	6.9	11.0	11.7
SACRAMENTO	7.3	5.6	10.1	8.5	17.5	15.1
SAN BENITO	4.8 *	5.4 *	5.3 *	9.9 *	4.2 *	11.2 *
SAN BERNARDINO	7.6	6.0	10.6	8.9	10.9	9.8
SAN DIEGO	3.7	2.6	6.6	6.0	11.8	12.2
SAN FRANCISCO	8.5	5.7	8.2	5.6	22.6	20.0
SAN JOAQUIN	7.4	10.4	9.7	12.4	15.9	19.4
SAN LUIS OBISPO	2.6 *	1.9 *	6.7 *	8.0	12.3	14.5
SAN MATEO	3.6	3.3	5.9	5.4	7.5	7.3
SANTA BARBARA	2.6 *	2.6 *	4.6 *	5.3	11.1	13.4
SANTA CLARA	2.7	2.6	3.9	4.2	7.0	6.9
SANTA CRUZ	3.0 *	3.8 *	5.7 *	7.2 *	12.7	15.9
SHASTA	6.1 *	2.6 *	14.2	13.8	28.6	29.1
SIERRA	-	-	5.9 *	5.5 *	8.2 *	39.4 *
SISKIYOU	4.6 *	2.6 *	21.7 *	16.0 *	14.5 *	24.2 *
SOLANO	8.7	7.8	10.6	10.9	9.3	13.0
SONOMA	2.4 *	2.7 *	7.1	6.8	12.2	12.2
STANISLAUS	5.9	6.4	8.4	9.5	17.1	16.9
SUTTER	4.1 *	5.0 *	8.7 *	8.0 *	12.3 *	16.2 *
TEHAMA	6.9 *	5.5 *	12.9 *	11.8 *	15.7 *	13.4 *
TRINITY	7.0 *	7.3 *	31.3 *	18.5 *	33.4 *	11.3 *
TULARE	10.3	7.4	13.4	10.9	8.8	9.1
TUOLUMNE	0.8 *	2.6 *	13.3 *	12.7 *	21.8 *	31.0 *
VENTURA	3.5	2.5	7.2	5.6	11.2	11.7
YOLO	0.8 *	2.2 *	4.7 *	4.4 *	7.0 *	9.6 *
YUBA	5.1 *	4.9 *	10.8 *	9.1 *	3.8 *	6.2 *

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

- Rates 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 AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2006-2011

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)	
	2006-2008	2009-2011	2006-2008	2009-2011	2006-2008	2009-2011
CALIFORNIA	12.4	9.7	391.0	417.6	168.8	125.9
ALAMEDA	18.6	12.6	453.6	450.7	317.7	217.1
ALPINE	-	-	53.4 *	87.2 *	-	-
AMADOR	2.0 *	1.0 *	181.2	186.4	27.9 *	58.1 *
BUTTE	3.0 *	1.6 *	325.2	365.7	131.1	66.2
CALAVERAS	0.8 *	0.8 *	73.0	117.1	41.2 *	33.4 *
COLUSA	2.0 *	-	148.4	118.1	49.4 *	8.2 *
CONTRA COSTA	8.5	8.0	337.7	371.1	228.0	209.5
DEL NORTE	5.5 *	2.7 *	107.7	176.1	7.5 *	39.7 *
EL DORADO	2.9 *	2.2 *	135.8	132.6	29.8 *	28.0 *
FRESNO	10.5	10.1	600.9	628.9	295.6	244.3
GLENN	-	1.5 *	222.5	180.9	63.5 *	65.2 *
HUMBOLDT	3.8 *	1.7 *	288.0	272.5	76.0	52.2 *
IMPERIAL	11.2 *	8.6 *	387.5	382.5	78.4	42.9 *
INYO	2.1 *	2.1 *	189.7	161.1	34.3 *	46.7 *
KERN	12.1	8.3	592.6	637.1	350.4	270.6
KINGS	5.0 *	2.7 *	353.1	347.9	189.0	60.1 *
LAKE	3.1 *	3.6 *	166.2	252.8	44.9 *	191.7 *
LASSEN	5.4 *	1.1 *	112.8	163.2	21.2 *	15.9 *
LOS ANGELES	16.6	14.0	455.4	492.1	198.6	152.9
MADERA	7.2 *	4.2 *	492.5	454.0	255.3	148.0
MARIN	11.4	6.8 *	218.8	221.8	63.1	48.3
MARIPOSA	2.1 *	2.1 *	74.4 *	84.6 *	61.4 *	13.5 *
MENDOCINO	5.0 *	2.7 *	238.8	269.1	65.7 *	67.7 *
MERCED	3.7 *	3.7 *	378.8	375.7	167.0	64.9
MODOC	-	-	135.6 *	44.8 *	134.1 *	-
MONO	-	2.8 *	124.3 *	200.7	24.1 *	11.1 *
MONTEREY	7.3	4.1 *	327.8	345.2	86.2	45.3
NAPA	6.6 *	5.5 *	186.0	196.8	45.0 *	39.5 *
NEVADA	1.2 *	1.2 *	131.3	136.7	29.3 *	36.7 *
ORANGE	8.2	6.7	276.7	267.8	57.3	45.1
PLACER	1.7 *	1.5 *	195.7	186.1	45.6	51.7
PLUMAS	1.9 *	-	202.3	236.7	88.3 *	-
RIVERSIDE	9.8	7.1	282.4	337.2	110.8	80.6
SACRAMENTO	7.9	7.2	540.3	588.1	327.2	309.0
SAN BENITO	2.3 *	3.0 *	260.6	319.8	84.7 *	50.3 *
SAN BERNARDINO	7.7	6.9	418.7	444.5	221.4	142.9
SAN DIEGO	14.8	11.6	427.6	483.6	138.6	83.2
SAN FRANCISCO	62.1	38.9	511.1	559.6	141.8	113.5
SAN JOAQUIN	9.3	7.2	509.6	532.4	301.1	228.6
SAN LUIS OBISPO	5.7 *	2.8 *	232.9	264.1	37.6 *	32.4 *
SAN MATEO	5.0	3.9	259.1	264.4	62.5	39.4
SANTA BARBARA	5.3 *	3.0 *	278.3	349.1	40.0	34.0
SANTA CLARA	8.8	9.0	329.1	311.6	96.2	59.8
SANTA CRUZ	5.5 *	3.4 *	252.7	273.5	50.1	42.3
SHASTA	2.9 *	0.9 *	240.4	271.2	47.0 *	86.0
SIERRA	-	-	69.8 *	92.9 *	-	162.1 *
SISKIYOU	1.7 *	2.6 *	214.0	185.4	29.2 *	73.2 *
SOLANO	13.2	5.8	463.2	442.8	229.8	215.4
SONOMA	10.7	5.9	176.7	247.0	43.0	38.7
STANISLAUS	6.6	4.6 *	375.6	353.7	171.6	65.7
SUTTER	5.9 *	1.3 *	239.3	240.2	67.9 *	65.8 *
TEHAMA	0.7 *	1.9 *	217.2	258.8	78.0 *	36.6 *
TRINITY	-	2.7 *	104.0 *	98.4 *	51.5 *	18.3 *
TULARE	2.5 *	3.4 *	413.3	373.1	194.9	51.7
TUOLUMNE	3.4 *	4.1 *	109.9	180.1	60.0 *	63.7 *
VENTURA	3.7	3.1	221.8	287.4	44.8	47.1
YOLO	2.2 *	2.6 *	264.1	283.9	62.5	41.5
YUBA	1.2 *	1.2 *	294.8	300.0	85.0 *	80.7 *

* 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
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2005-2011

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)	
	2006-2008	2009-2011	2006-2008	2009-2011	2005-2007	2008-2010
CALIFORNIA	174.9	164.9	7.5	6.4	5.3	5.0
ALAMEDA	291.6	243.1	9.9	10.5	4.7	4.4
ALPINE	-	-	-	-	-	-
AMADOR	21.0 *	32.1 *	-	0.9 *	5.8 *	2.3 *
BUTTE	104.6	48.7	1.4 *	0.6 *	7.8 *	5.0 *
CALAVERAS	29.7 *	36.5 *	0.7 *	2.2 *	4.3 *	4.7 *
COLUSA	7.6 *	22.8 *	4.7 *	4.7 *	0.9 *	5.6 *
CONTRA COSTA	148.9	131.3	5.9	4.4	4.3	4.3
DEL NORTE	13.4 *	-	-	-	11.5 *	6.9 *
EL DORADO	26.6 *	19.9 *	2.1 *	0.9 *	3.2 *	4.8 *
FRESNO	221.0	178.6	6.6	6.0	6.4	6.7
GLENN	29.9 *	25.0 *	4.8 *	1.2 *	5.3 *	3.0 *
HUMBOLDT	39.6 *	48.4 *	0.3 *	1.0 *	6.4 *	4.9 *
IMPERIAL	58.4	32.3 *	16.2	16.7	4.9 *	4.3 *
INYO	-	33.0 *	-	1.8 *	13.5 *	4.6 *
KERN	242.7	187.6	5.4	4.6	6.5	6.4
KINGS	84.2	34.6 *	2.9 *	3.0 *	5.7 *	5.5 *
LAKE	34.2 *	142.6 *	2.1 *	1.6 *	2.3 *	7.0 *
LASSEN	10.0 *	9.9 *	-	-	11.1 *	6.2 *
LOS ANGELES	217.2	241.8	9.0	7.4	5.3	5.1
MADERA	52.8 *	57.8 *	5.4 *	5.1 *	5.1 *	5.4 *
MARIN	91.8	91.7	3.8 *	4.9 *	3.6 *	3.3 *
MARIPOSA	22.2 *	-	-	-	2.4 *	6.7 *
MENDOCINO	48.2 *	36.6 *	4.2 *	1.9 *	8.0 *	7.5 *
MERCED	98.0	53.9	2.5 *	3.0 *	6.1	5.9
MODOC	106.3 *	-	-	-	12.4 *	6.8 *
MONO	28.3 *	9.7 *	-	-	11.8 *	8.6 *
MONTEREY	78.5	46.3	6.1	5.0	4.6	4.8
NAPA	42.9 *	31.4 *	4.3 *	4.9 *	5.9 *	6.0 *
NEVADA	29.6 *	13.7 *	1.7 *	0.3 *	4.5 *	3.3 *
ORANGE	78.1	86.1	7.3	7.0	4.9	4.0
PLACER	37.1	48.0	2.1 *	1.6 *	5.2	3.9 *
PLUMAS	53.4 *	57.4 *	-	-	1.9 *	2.0 *
RIVERSIDE	98.0	74.2	3.7	3.2	5.6	5.5
SACRAMENTO	281.7	249.6	7.6	5.6	5.8	5.7
SAN BENITO	51.2 *	32.4 *	1.2 *	2.4 *	4.5 *	4.8 *
SAN BERNARDINO	156.6	115.2	3.2	3.2	6.6	6.7
SAN DIEGO	167.5	165.0	9.5	7.6	5.0	4.6
SAN FRANCISCO	735.7	690.1	16.0	13.3	3.5	4.0
SAN JOAQUIN	252.3	184.8	9.7	8.1	5.9	6.4
SAN LUIS OBISPO	31.4 *	34.9	0.8 *	1.6 *	4.3 *	4.8 *
SAN MATEO	96.4	84.3	10.8	8.5	4.9	3.1
SANTA BARBARA	42.9	41.2	5.0	5.8	5.0	5.1
SANTA CLARA	104.0	74.4	12.8	10.7	4.1	3.4
SANTA CRUZ	55.7	49.6	3.2 *	3.2 *	4.6 *	2.8 *
SHASTA	32.4 *	68.4	2.1 *	0.6 *	6.7 *	5.0 *
SIERRA	-	-	-	-	13.7 *	-
SISKIYOU	14.0 *	72.0 *	-	-	4.7 *	8.5 *
SOLANO	135.7	158.2	7.7	6.2	6.2	6.2
SONOMA	43.3	55.1	2.5 *	2.1 *	4.1	4.5
STANISLAUS	166.7	62.6	3.4 *	2.9 *	6.9	5.5
SUTTER	52.0 *	60.2 *	3.6 *	3.5 *	3.9 *	5.9 *
TEHAMA	43.3 *	35.0 *	3.8 *	1.6 *	4.9 *	8.4 *
TRINITY	15.5 *	32.4 *	2.4 *	-	13.7 *	2.9 *
TULARE	146.7	40.9	6.2	5.2	6.4	5.3
TUOLUMNE	26.8 *	22.1 *	-	0.6 *	7.1 *	2.9 *
VENTURA	47.5	48.0	7.1	4.7	5.9	4.9
YOLO	66.0	55.1	3.4 *	3.6 *	4.1 *	3.2 *
YUBA	80.5 *	32.6 *	5.2 *	0.9 *	4.3 *	5.6 *

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

- Rates and percentages are not calculated for zero events.

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 AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2006-2011

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)	
	2006-2008	2009-2011	2006-2008	2009-2011	2006-2008	2009-2011
CALIFORNIA	6.9	6.8	39.5	31.5	83.7	83.3
ALAMEDA	7.2	7.2	26.3	21.8	87.6	87.3
ALPINE	2.6 *	-	62.3 *	24.2 *	65.8 *	71.4 *
AMADOR	4.9 *	6.3 *	25.0	19.5 *	88.1	87.5
BUTTE	5.9	5.7	24.1	24.9	72.2	72.7
CALAVERAS	5.7	4.6 *	30.1	22.7	83.8	79.3
COLUSA	5.9	5.8 *	58.1	40.5	69.0	71.5
CONTRA COSTA	6.7	6.9	27.9	19.8	85.3	83.4
DEL NORTE	5.7 *	5.0 *	53.8	58.7	56.8	73.7
EL DORADO	6.4	6.4	22.3	15.5	81.9	78.7
FRESNO	7.5	7.5	59.3	49.6	86.9	88.5
GLENN	4.5	5.8	55.1	44.3	69.2	68.7
HUMBOLDT	6.0	5.1	27.4	24.0	79.0	80.8
IMPERIAL	6.5	5.6	70.6	56.5	66.9	55.8
INYO	9.4	7.9 *	55.3	37.2	70.7	79.1
KERN	7.1	7.2	69.7	57.2	76.5	75.9
KINGS	6.4	6.6	69.3	57.8	73.6	75.0
LAKE	5.9	6.3	53.3	42.2	72.1	66.5
LASSEN	5.3 *	7.1	34.4	38.5	76.7	74.2
LOS ANGELES	7.4	7.2	40.1	32.0	87.9	85.9
MADERA	6.2	6.6	67.5	54.2	76.7	75.4
MARIN	6.4	6.0	17.6	12.6	93.4	94.3
MARIPOSA	5.8 *	5.1 *	24.5 *	26.1 *	72.9	73.5
MENDOCINO	6.5	5.8	44.7	38.3	68.5	67.9
MERCED	6.2	6.8	57.0	45.1	62.6	64.3
MODOC	5.6 *	6.9 *	38.6 *	37.3 *	77.5	70.6
MONO	9.9 *	5.8 *	36.7 *	20.9 *	78.4	74.6
MONTEREY	5.7	5.8	58.1	49.1	76.9	73.4
NAPA	6.2	6.0	31.0	22.3	83.2	84.1
NEVADA	6.2	5.2	24.2	14.3	77.4	78.2
ORANGE	6.4	6.6	29.6	22.4	89.3	89.3
PLACER	5.9	5.6	21.0	12.7	84.8	85.7
PLUMAS	5.1 *	6.8 *	23.4 *	28.5 *	74.5	75.8
RIVERSIDE	6.6	6.4	46.3	32.1	84.1	84.4
SACRAMENTO	6.8	6.9	39.9	31.1	79.6	81.2
SAN BENITO	6.5	5.9	46.3	27.8	85.0	86.5
SAN BERNARDINO	7.1	7.1	51.3	39.6	82.5	82.6
SAN DIEGO	6.7	6.6	35.1	29.4	83.3	82.7
SAN FRANCISCO	7.3	6.9	15.7	13.6	85.8	88.1
SAN JOAQUIN	7.0	7.0	53.1	38.0	70.9	76.2
SAN LUIS OBISPO	6.1	5.5	17.8	16.9	80.5	79.4
SAN MATEO	6.6	6.9	25.3	19.0	87.9	89.5
SANTA BARBARA	6.2	6.0	33.7	33.5	77.5	73.1
SANTA CLARA	6.6	7.0	27.5	21.5	83.8	84.7
SANTA CRUZ	5.8	5.7	25.5	25.5	83.0	82.0
SHASTA	6.0	6.0	40.2	32.2	74.9	70.0
SIERRA	5.0 *	10.4 *	10.7 *	12.5 *	73.3 *	76.2 *
SISKIYOU	7.9	6.4	51.3	38.7	81.6	78.2
SOLANO	7.2	6.6	34.9	26.6	74.6	76.9
SONOMA	5.6	5.7	27.0	20.9	82.4	82.3
STANISLAUS	6.5	6.2	50.3	38.5	80.6	77.7
SUTTER	5.6	5.8	46.1	33.1	55.6	65.7
TEHAMA	5.2	5.7	54.0	41.3	71.8	67.9
TRINITY	4.9 *	4.3 *	35.4 *	40.1 *	69.2	57.9
TULARE	6.2	6.3	71.2	59.8	77.2	79.3
TUOLUMNE	5.3	3.9 *	34.1	18.9	83.1	82.5
VENTURA	6.7	6.2	40.1	30.7	80.1	81.3
YOLO	5.3	5.4	17.4	17.7	76.1	81.1
YUBA	6.2	5.7	57.7	46.7	58.1	66.6

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

- Rates are not calculated for zero events.

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 AND ONE YEAR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2006-2011**

COUNTY OF RESIDENCE	PERCENT		PERCENT BREASTFED	
	ADEQUATE/ADEQUATE PLUS PRENATAL CARE (THREE-YEAR AVERAGES)		BIRTHS WITH KNOWN FEEDING METHOD (ONE-YEAR)	
	2006-2008	2009-2011	2010	2011
CALIFORNIA	78.7	79.7	90.8	91.7
ALAMEDA	79.9	78.7	95.9	96.4
ALPINE	48.6 *	78.6 *	66.7 *	66.7 *
AMADOR	86.2	87.9	91.6	95.0
BUTTE	72.1	76.1	91.1	90.1
CALAVERAS	75.8	82.0	93.6	93.5
COLUSA	76.9	79.5	85.7	88.8
CONTRA COSTA	76.4	75.9	95.0	95.6
DEL NORTE	72.1	80.9	87.5	89.3
EL DORADO	70.6	78.2	95.0	95.4
FRESNO	83.4	89.3	82.3	83.0
GLENN	77.3	78.1	93.6	93.0
HUMBOLDT	72.8	78.3	94.7	93.7
IMPERIAL	61.7	55.6	91.1	89.7
INYO	65.6	75.1	95.2	95.1
KERN	70.3	72.3	84.2	85.2
KINGS	72.9	72.6	78.7	80.9
LAKE	67.5	68.3	90.7	91.5
LASSEN	75.9	65.1	93.2	92.7
LOS ANGELES	83.4	83.4	89.2	90.9
MADERA	69.2	71.4	89.6	91.2
MARIN	90.4	84.2	98.5	98.4
MARIPOSA	66.3	72.4	89.9	96.7
MENDOCINO	72.6	75.5	94.8	95.5
MERCED	55.4	63.2	87.5	88.7
MODOC	49.6	64.2	91.1	96.6
MONO	78.1	82.5	97.6	96.9
MONTEREY	73.4	72.8	96.0	96.4
NAPA	78.1	75.5	96.1	96.8
NEVADA	73.9	77.7	95.5	96.9
ORANGE	85.4	88.3	92.8	93.3
PLACER	78.5	83.1	94.5	95.0
PLUMAS	58.9	71.0	95.0	97.4
RIVERSIDE	76.8	81.1	91.0	91.5
SACRAMENTO	74.6	78.6	89.0	90.7
SAN BENITO	73.5	79.4	95.3	96.6
SAN BERNARDINO	76.0	76.6	85.4	86.5
SAN DIEGO	73.9	74.0	94.5	95.0
SAN FRANCISCO	81.9	80.3	96.1	96.6
SAN JOAQUIN	68.6	71.9	86.4	86.9
SAN LUIS OBISPO	83.0	85.9	96.2	96.9
SAN MATEO	84.7	83.9	96.8	97.0
SANTA BARBARA	78.2	79.9	95.2	95.5
SANTA CLARA	79.5	78.0	96.4	96.0
SANTA CRUZ	82.6	84.1	98.2	98.0
SHASTA	69.7	74.5	93.6	93.2
SIERRA	68.3 *	68.3 *	100.0 *	100.0 *
SISKIYOU	70.6	76.2	91.1	92.4
SOLANO	72.6	66.3	92.8	93.2
SONOMA	73.2	74.5	96.9	96.5
STANISLAUS	72.2	71.0	85.6	86.5
SUTTER	70.0	77.8	87.6	87.7
TEHAMA	72.7	73.7	91.4	91.8
TRINITY	56.1	62.9	98.8	95.8
TULARE	76.1	78.7	81.4	84.6
TUOLUMNE	76.3	81.8	93.7	96.9
VENTURA	79.6	81.8	94.6	94.6
YOLO	75.3	79.0	94.5	95.0
YUBA	67.1	76.5	85.2	86.4

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

TECHNICAL NOTES

Updated Sources and Effects:

California Department of Finance estimates, dated September 14, 2012, were utilized in *Profiles 2013*. The data file, State of California, Department of Finance, *Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, September 2012*, was used in the development of the age-adjusted rates, crude case rates, and age-specific birth rate.

The comparison between the new population estimates data and the data file from the State of California, Department of Finance, *Race/Hispanics Population with Age and Gender Detail, 2000-2010. Sacramento, California, 2000-2050, July 2007* reflected the following differences:

- California's 2006 population estimate decreased by 3.0%.
- California's 2010 population estimate decreased by 4.6%.
- Population estimates for the intervening years reflected a continuous downward shift.
- Alpine, Colusa, Modoc, San Benito, Sierra, and Yuba counties showed the largest percentage decreases in population, between 9% and 16%.

National Objectives for Healthy People 2020 were applied for the first time in *Profiles 2013*. The Healthy People Goals, where applicable, are reflected in their corresponding tables. Additionally, changes were made to the following tables:

Table 3, Deaths Due To Colorectal Cancer, the underlying ICD-10 codes were changed from C18-C21 to C18-C21, C26.0.

Table 4, Deaths Due To Lung Cancer, the underlying ICD-10 codes were changed from C33-C34 to C34.

Table 22, Reported Incidence Of Gonorrhea, was replaced with the two gender specific tables:

- **Table 22F**, Reported Incidence of Gonorrhea Among Females 15 To 44 Years Old.
- **Table 22M**, Reported Incidence of Gonorrhea Among Males 15 To 44 Years Old.

Table 27A, Prenatal Care Not Begun During The First Trimester Of Pregnancy, was revised to:

- **Table 27A**, Prenatal Care Begun During The First Trimester Of Pregnancy.

DATA SOURCES

CDPH, Health Information and Strategic Planning, 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 2006 through 2011 and from the linked births-deaths in the Birth Cohort-Perinatal Outcome Files for the years 2005 through 2010, which are based on the Statistical Master Files.

The CDPH, Division of Communicable Disease Control, Sexually Transmitted Diseases Branch and the Tuberculosis Control Branch, were the sources for the reported case incidence of chlamydia, gonorrhea, and tuberculosis. The CDPH, Office of AIDS Surveillance Section, provided incidence data of diagnosed AIDS cases. The CDPH, 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 population data are provided on the Internet by the California Department of Finance, Demographic Research Unit. Estimates of persons under age 18 in poverty are from the U.S. Census Bureau at <http://www.census.gov/did/www/saipe/>. These data have been updated with the most current estimates available. Population series are referenced in the table footnotes.

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 132 non-traffic deaths during 2009 through 2011 was not included in Table 15, which was re-titled “Deaths Due to Motor Vehicle Traffic Crashes.” This change, effective with *Profiles 2009*, 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.

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	I11, 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, K85.3, L10.5, L27.0, L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R50.2, 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.

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.

As late registration birth and death certificate 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 since 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 Profiles 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 data year and before, which include a single race only for the mother, first listed race was used in Profiles issued 2003 through 2006. Race/ethnic groups in Profiles 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 2009 through 2011. Records with specific unknown attributes were excluded from the total number of live births in developing the following tables: 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. Adolescent birth rate is defined as the number of births to mothers 15 to 19 years of age per 1,000 female population 15 to 19 years of age.

The prenatal care indicator, Month Prenatal Care Began, has been associated with access to care. Late prenatal care is defined as the percentage of mothers who did not begin prenatal care in the first trimester. 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 Not Begun First Trimester of Pregnancy, this Profiles report includes adequacy of prenatal care based on the Adequacy of Prenatal Care Utilization Index.

In Profiles reports published in 1995 through 1998, the Kessner Index was used to measure the adequacy of prenatal care. 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 trending 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 that 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.

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)], representing approximately 99 percent of all cases.

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, approximately 2.5 percent of cases have missing feeding information and/or receive TPN at the time of specimen collection.

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.

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

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 and that 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 the 2000 U.S. Standard Population. The age-adjusted rates put all counties on the same footing with respect to the effect of age and permit direct comparisons among counties. 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., 2009-2011), divided by the population in the middle year (e.g., 2010).

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 region 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 exception 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 while the county owning the highest rate or percentage is in the 58th rank. 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. In monitoring progress toward achieving the objective target rate, HP 2020 guidelines recommend using absolute differences between the target rate, the most recent data point, and a progress quotient. HP 2020 guidelines for measuring objectives are online at <http://www.healthypeople.gov/2020/topicsobjectives2020/default.aspx>.

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

$$CDR = \left(\frac{nD}{Npop} \right) \times B$$

$$ADR = \sum W_a \left(\frac{nD_a}{Npop_a} \right) \times B$$

$$ASDR = \left(\frac{nD_a}{Npop_a} \right) \times B$$

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

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

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

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

Lower 95% CL = ADR – (1.96 x SE_y) Upper 95% CL = ADR + (1.96 x SE_y)

- Where:
- CDR = Crude Death Rate
 - ADR = Age-Adjusted Death Rate
 - ASDR = Age-Specific Death Rate
 - nD = Number of Deaths
 - Npop = Population Size
 - nD_a = Number of Deaths in an Age Group
 - Npop_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, 1) / Numerator of Rate

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

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

GamInv is the gamma inverse function.

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, 2009 through 2011 for Alameda County.

ALAMEDA COUNTY					
AGE GROUPS	2009-2011 DEATHS (AVERAGE) (A)	2010 POPULATION (B)	AGE-SPECIFIC RATE/100,000 (C)	2000 U.S. STANDARD POPULATION PROPORTIONS (D)	WEIGHTED RATE FACTORS (E)
TOTAL	8,967.7	1,513,493.0	592.5		
Unknown	2.3				
<1	84.0	18,965.2	442.9	0.013818	6.1
1-4	14.0	77,809.6	18.0	0.055317	1.0
5-14	19.3	183,552.8	10.5	0.145565	1.5
15-24	116.0	210,328.8	55.2	0.138646	7.6
25-34	149.3	236,767.5	63.1	0.135573	8.6
35-44	266.0	228,014.0	116.7	0.162613	19.0
45-54	668.0	220,376.8	303.1	0.134834	40.9
55-64	1,202.3	172,226.1	698.1	0.087247	60.9
65-74	1,339.7	89,564.0	1,495.8	0.066037	98.8
75-84	2,104.3	52,267.5	4,026.1	0.044842	180.5
>84	3,002.3	23,620.8	12,710.5	0.015508	197.1
AGE-ADJUSTED RATE.....					622.0

- STEP 1:** Arrange the data of 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 622.0 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.
- STEP 6:** 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 2013**

MORTALITY								
HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2009-2011 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	AGE-ADJUSTED DEATH RATE PREVIOUS
	ALL CAUSES	234,637.7	628.7	654.9	652.2	657.6	a	696.8
C-1	ALL CANCERS	56,035.3	150.2	156.4	155.1	157.8	160.6	162.7
C-5	COLORECTAL CANCER	5,273.7	14.1	14.7	14.3	15.1	14.5	15.3
C-2	LUNG CANCER	12,873.7	34.5	36.5	35.8	37.1	45.5	39.7
C-3	FEMALE BREAST CANCER	4,285.7	22.8	21.3	20.6	21.9	20.6	22.1
C-7	PROSTATE CANCER	3,069.7	16.6	21.9	21.1	22.7	21.2	22.8
	DIABETES	7,213.7	19.3	20.2	19.7	20.7	b	22.1
	ALZHEIMER'S DISEASE	10,748.7	28.8	30.5	29.9	31.1	a	27.0
HDS-2	CORONARY HEART DISEASE	43,724.0	117.2	122.4	121.2	123.5	100.8	143.7
HDS-3	CEREBROVASCULAR DISEASE (STROKE)	13,465.3	36.1	38.1	37.5	38.7	33.8	42.8
	INFLUENZA/PNEUMONIA	6,125.0	16.4	17.3	16.9	17.7	a	20.6
	CHRONIC LOWER RESPIRATORY DISEASE	13,044.7	35.0	37.5	36.9	38.2	a	39.4
SA-11	CHRONIC LIVER DISEASE AND CIRRHOSIS	4,348.0	11.7	11.4	11.0	11.7	8.2	11.2
IVP-11	ACCIDENTS (UNINTENTIONAL INJURIES)	10,350.0	27.7	27.6	27.1	28.2	36.0	30.8
IVP-13.1	MOTOR VEHICLE TRAFFIC CRASHES	2,827.0	7.6	7.5	7.2	7.7	12.4	10.6
MHMD-1	SUICIDE	3,853.3	10.3	10.2	9.8	10.5	10.2	9.7
IVP-29	HOMICIDE	1,992.0	5.3	5.2	5.0	5.4	5.5	6.4
IVP-30	FIREARM-RELATED DEATHS	2,969.7	8.0	7.8	7.5	8.1	9.2	8.8
SA-12	DRUG-INDUCED DEATHS	4,207.3	11.3	10.9	10.6	11.3	11.3	11.1

MORBIDITY								
HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2009-2011 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	CRUDE CASE RATE PREVIOUS	
HIV-4	AIDS INCIDENCE (AGE 13 AND OVER)	2,995.0	9.7	9.4	10.1	13.0	12.4	
	CHLAMYDIA INCIDENCE	155,844.7	417.6	415.5	419.7	c	391.0	
STD-6.1	GONORRHEA INCIDENCE FEMALE AGE 15-44	10,014.7	125.9	123.4	128.3	257.0	168.8	
STD-6.2	GONORRHEA INCIDENCE MALE AGE 15-44	13,629.3	164.9	162.1	167.7	198.0	174.9	
IID-29	TUBERCULOSIS INCIDENCE	2,375.3	6.4	6.1	6.6	1.0	7.5	

INFANT MORTALITY								
HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2008-2010 DEATHS (AVERAGE)	BIRTH COHORT (BC) INFANT DEATH RATE	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	BC INFANT DEATH RATE PREVIOUS	
MICH-1.3	INFANT MORTALITY: ALL RACES	2666.0	5.0	4.8	5.2	6.0	5.3	
MICH-1.3	INFANT MORTALITY: ASIAN/PI	260.7	4.0	3.5	4.5	6.0	4.5	
MICH-1.3	INFANT MORTALITY: BLACK	316.0	11.0	9.8	12.3	6.0	12.4	
MICH-1.3	INFANT MORTALITY: HISPANIC	1341.0	4.9	4.7	5.2	6.0	5.2	
MICH-1.3	INFANT MORTALITY: WHITE	606.0	4.2	3.9	4.6	6.0	4.8	

NATALITY								
HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2009-2011 BIRTHS (AVERAGE)	PERCENT	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	PERCENT PREVIOUS	
MICH-8.1	LOW BIRTHWEIGHT INFANTS	34,848.0	6.8	6.7	6.9	7.8	6.9	
MICH-10.1	FIRST TRIMESTER PRENATAL CARE	418,473.7	83.3	83.0	83.6	77.9	83.7	
MICH-10.2	ADEQUATE/ADEQUATE PLUS CARE	395,199.0	79.7	79.4	79.9	77.6	78.7	

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2009-2011 BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTH RATE	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	AGE-SPECIFIC BIRTH RATE PREVIOUS
	BIRTHS TO MOTHERS AGED 15-19	43,088.7	31.5	31.2	31.8	a	39.5

BREASTFEEDING								
HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2011 BIRTHS	PERCENT	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	PERCENT PREVIOUS	
MICH-21.1	BREASTFEEDING INITIATION	400,856	91.7	91.5	92.0	81.9	90.8	

CENSUS								
HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2010 NUMBER	PERCENT	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	PERCENT PREVIOUS	
	PERSONS UNDER 18 IN POVERTY	2,012,721	21.8	21.8	21.8	a	19.8	

- 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** 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.
- 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 2006-2008, Morbidity 2006-2008, Infant Mortality 2005-2007, Natality 2006-2008, Breastfeeding 2010, Census 2009.

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