

COUNTY HEALTH STATUS PROFILES 2011

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH AND
CALIFORNIA CONFERENCE OF LOCAL HEALTH OFFICERS
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COUNTY HEALTH STATUS PROFILES 2011

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Cover Photography by **John Rudzinkas**: A view of the Pacific Ocean from the Mendocino Coast Botanical Gardens.



HOWARD BACKER, 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 2011**. This report contains selected health status indicators recommended by the U.S. Public Health Service for monitoring state and local progress toward achieving the goals set forth in **Healthy People 2010**. The Healthy People 2010 National Objectives challenge public health professionals to increase the span of healthy life, reduce health disparities, and ensure access to preventive services for all Americans.

The **County Health Status 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. This year's report reflects changes in breastfeeding data collection and in statistical methodology.

This report is an important tool to evaluate the health of Californians. The health status indicators are based on significant and readily available data to help guide the course of health promotion and preventive services.

Howard Backer, MD, MPH
Interim Director
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CALIFORNIA COUNTIES

STATEWIDE POPULATION: 38,246,598



Source: Department of Finance, 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

INTRODUCTION

County Health Status Profiles has been published annually for the State of California since 1993. This report presents public health data that can be directly compared with clearly established benchmarks, such as national standards, and populations of similar composition. Appendix A (page 88) provides a summary table of California's rates/percentages for selected health indicators, the target rates established for Healthy People 2010 (HP 2010) National Objectives, and the U.S. rates, where applicable.

In keeping with the goal of using national standards, mortality causes of death data 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 that some of the HP 2010 Objective target rates were changed beginning with the 2006 Profiles publication in accordance with midcourse review recommendations. For additional information on the HP 2010 recommendations, visit the Centers for Disease Control and Prevention (CDC) online at <http://wonder.cdc.gov/data2010/obj.htm>.

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). County Health Status Profiles 2011 reflects methodology changes to the calculation of confidence intervals and relative standard of error (RSE). 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 data elements are calculated utilizing a normal approximation. In cases where there are fewer than 100 data elements, 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. Historically, standard errors and RSE were calculated to measure the reliability of the rates and percentages. Rates calculated from fewer than 20 deaths are considered unreliable. These rates are not shown, and are indicated with an asterisk (*). Rates based on no events are denoted with a dash (-).

Counties are ranked by rates or percentages based on the methodology described in the Technical Notes section (pages 78 to 87). 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.

Appendix A in the past compared California to the U.S. rates. California's Health Status Profile 2011 utilizes a table, which is similar to the county summary tables located at <http://www.cdph.ca.gov/programs/ohir/Pages/CHSPCountySheets.aspx>.

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 (DOF) provided 2008 race/ethnicity population estimates by county with age and sex detail. Estimates of persons under age 18 in poverty in 2008 are from the U.S. Census Bureau (<http://www.census.gov//did/www/saipe/>).

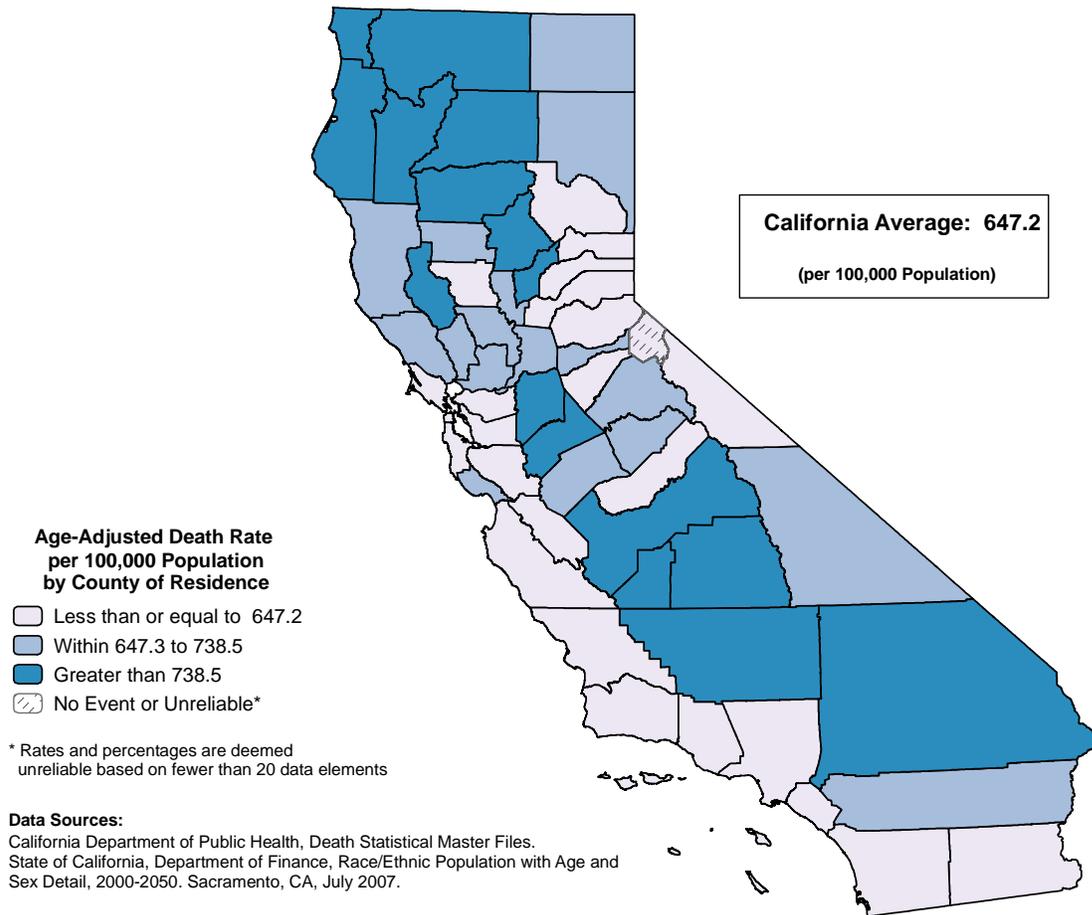
To access electronic copies of this report, visit the CDPH, Health Information and Strategic Planning, Public Health Policy and Research Branch (PHPRB) site on the Internet at <http://www.cdph.ca.gov/programs/OHIR/Pages/CHSP.aspx>.

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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County Health Status Profiles for the years 1999 through 2010 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 PHPRB at the above address or phone.

DEATHS DUE TO ALL CAUSES, 2007-2009



The crude death rate from all causes for California was 609.5 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 164 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 233,101.0 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 1,197.9 in Lake County to 257.8 in Mono County, a factor of 4.6 to 1.

The age-adjusted death rate from all causes for California during the 2007 through 2009 three-year period was 647.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 906.1 in Humboldt County to 276.6 in Mono County.

A Healthy People 2010 National Objective for deaths due to all causes has not been established.

**TABLE 1
DEATHS DUE TO ALL CAUSES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE			
1	MONO	14,351	37.0	257.8	276.6	194.7	381.2
2	ALPINE	1,344	6.3	471.2 *	380.0 *	144.2	811.1
3	SANTA CLARA	1,809,774	8,888.3	491.1	518.5	507.6	529.4
4	MARIN	253,331	1,764.3	696.5	530.4	504.9	555.8
5	SAN MATEO	731,633	4,472.3	611.3	551.4	535.0	567.8
6	MONTEREY	427,571	2,227.3	520.9	555.7	532.4	578.9
7	SAN BENITO	60,768	265.7	437.2	561.7	492.9	630.4
8	IMPERIAL	179,798	905.7	503.7	572.7	535.1	610.4
9	SIERRA	3,657	36.0	984.4	575.6	403.1	796.8
10	SAN FRANCISCO	810,078	5,687.3	702.1	581.3	565.8	596.7
11	ORANGE	3,152,642	16,978.0	538.5	594.4	585.4	603.4
12	PLUMAS	21,668	199.3	919.9	603.2	515.8	690.6
13	SANTA BARBARA	427,016	2,848.0	667.0	604.5	582.1	627.0
14	LOS ANGELES	10,385,372	57,997.7	558.5	605.6	600.6	610.5
15	COLUSA	22,830	131.3	575.3	605.7	501.1	710.3
16	SAN LUIS OBISPO	266,205	2,091.3	785.6	614.6	587.7	641.4
17	ALAMEDA	1,530,697	9,137.0	596.9	621.0	608.1	633.9
18	EL DORADO	183,399	1,279.3	697.6	633.2	597.8	668.7
19	CALAVERAS	46,658	450.7	965.9	638.3	575.5	701.1
20	PLACER	333,998	2,518.0	753.9	639.5	614.3	664.7
21	VENTURA	837,840	4,976.0	593.9	639.7	621.7	657.6
22	MADERA	154,405	926.3	599.9	640.2	598.6	681.9
23	NEVADA	101,012	901.0	892.0	640.6	597.2	684.0
24	SAN DIEGO	3,138,382	19,213.3	612.2	641.1	631.9	650.2
25	CONTRA COSTA	1,053,710	6,926.3	657.3	645.2	629.8	660.5
	CALIFORNIA	38,246,598	233,101.0	609.5	647.2	644.6	649.9
26	LASSEN	37,231	213.0	572.1	647.5	559.2	735.9
27	TUOLUMNE	58,156	589.3	1,013.4	648.9	594.1	703.8
28	MARIPOSA	18,772	179.3	955.3	650.0	551.8	748.3
29	INYO	19,007	194.3	1,022.4	670.5	571.2	769.8
30	NAPA	138,956	1,190.3	856.6	678.0	638.6	717.4
31	MODOC	10,562	99.7	943.6	681.1	553.9	828.6
32	SANTA CRUZ	265,578	1,635.3	615.8	686.8	652.5	721.1
33	YOLO	199,279	1,109.3	556.7	689.5	648.4	730.5
34	AMADOR	39,404	402.7	1,021.9	694.3	624.4	764.1
35	GLENN	29,943	224.3	749.2	699.1	606.9	791.2
36	SONOMA	487,575	3,767.3	772.7	706.6	683.6	729.6
37	SOLANO	431,525	2,754.7	638.4	707.8	681.0	734.6
38	SACRAMENTO	1,422,789	9,701.0	681.8	717.8	703.4	732.2
39	SUTTER	97,800	690.3	705.9	727.3	672.8	781.7
40	RIVERSIDE	2,119,618	13,879.3	654.8	730.4	718.2	742.6
41	MERCED	261,587	1,460.3	558.3	735.0	696.8	773.1
42	MENDOCINO	91,794	805.7	877.7	738.5	686.6	790.5
43	TRINITY	14,844	153.7	1,035.2	744.2	619.4	869.1
44	SAN BERNARDINO	2,095,918	11,913.7	568.4	755.3	741.5	769.1
45	TULARE	446,533	2,725.7	610.4	768.7	739.5	797.9
46	SAN JOAQUIN	706,857	4,628.7	654.8	770.6	748.3	793.0
47	STANISLAUS	539,299	3,571.3	662.2	772.0	746.5	797.5
48	KINGS	157,572	789.7	501.1	774.8	719.2	830.5
49	FRESNO	946,353	6,019.3	636.1	781.4	761.4	801.3
50	SISKIYOU	46,620	541.0	1,160.4	795.0	725.0	865.1
51	TEHAMA	63,702	615.7	966.5	806.5	742.1	871.0
52	YUBA	76,556	524.7	685.3	816.2	745.8	886.5
53	DEL NORTE	30,297	263.3	869.2	823.9	723.8	924.0
54	LAKE	65,947	790.0	1,197.9	833.2	772.8	893.7
55	BUTTE	223,572	2,258.0	1,010.0	833.4	798.4	868.4
56	KERN	835,007	5,270.3	631.2	859.8	836.1	883.5
57	SHASTA	186,540	1,995.3	1,069.7	889.5	850.0	929.0
58	HUMBOLDT	133,266	1,280.3	960.7	906.1	855.9	956.4

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

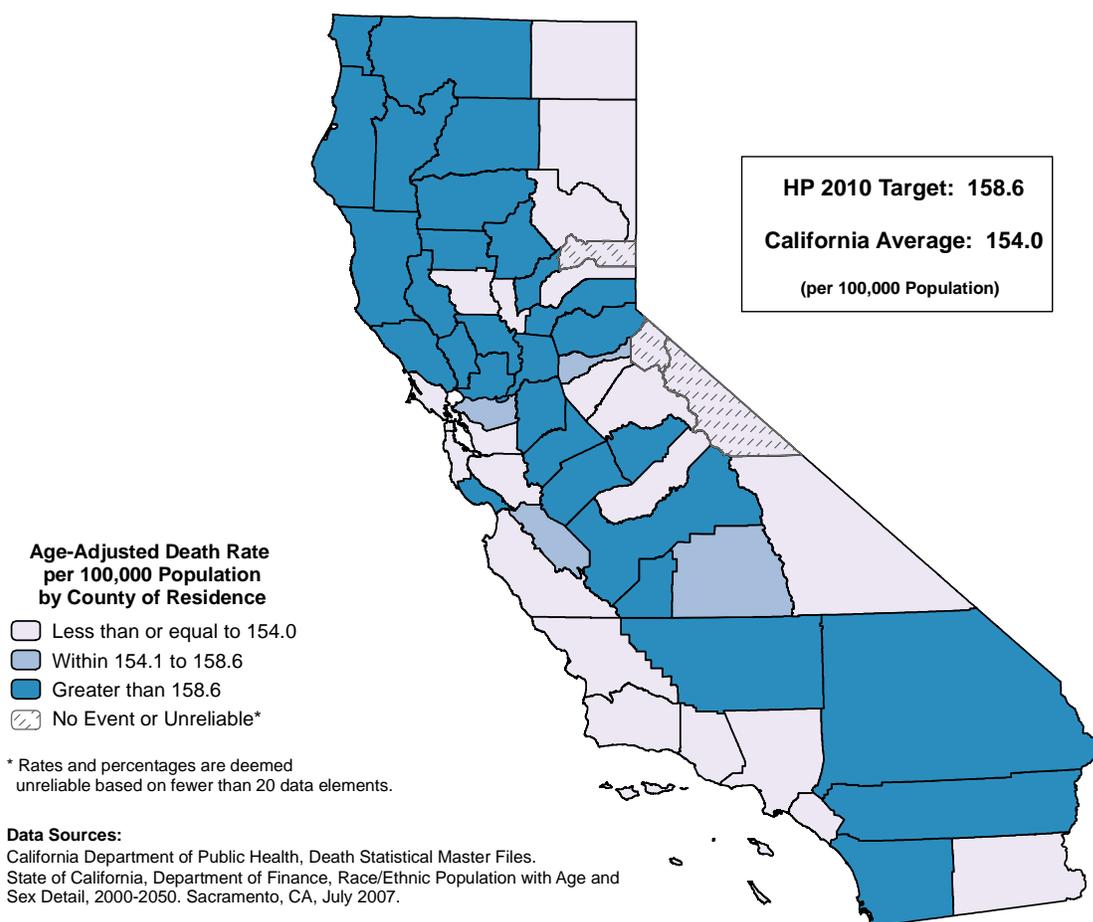
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO ALL CANCERS, 2007-2009



The crude death rate from all cancers for California was 144.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 694 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 55,083.3 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 289.7 in Trinity County to 94.9 in Lassen County, a factor of 3.1 to 1.

The age-adjusted death rate from all cancers for California during the 2007 through 2009 three-year period was 154.0 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 200.1 in Tehama County to 103.4 in Lassen County.

Twenty-six counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2010 National Objective 3-1 of no more than 158.6 age-adjusted deaths due to all cancers per 100,000 population. An additional three counties with unreliable rates met the objective.

**TABLE 2
DEATHS DUE TO ALL CANCERS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,344	1.0	74.4 *	46.9 *	1.2	261.4
2	MONO	14,351	9.7	67.4 *	73.6 *	34.8	136.7
3	LASSEN	37,231	35.3	94.9	103.4	72.1	143.5
4	SIERRA	3,657	7.3	200.5 *	110.9 *	45.7	224.9
5	IMPERIAL	179,798	196.7	109.4	124.9	107.4	142.4
6	INYO	19,007	38.0	199.9	128.8	91.2	176.8
7	MONTEREY	427,571	510.7	119.4	130.0	118.6	141.4
8	SANTA CLARA	1,809,774	2,275.7	125.7	131.5	126.0	137.0
9	COLUSA	22,830	28.3	124.1	134.9	89.9	194.6
10	PLUMAS	21,668	46.7	215.4	135.8	99.7	180.8
11	MODOC	10,562	21.7	205.1	137.3	85.7	208.5
12	MARIN	253,331	457.3	180.5	138.9	125.9	151.9
13	MADERA	154,405	204.7	132.6	140.5	121.1	160.0
14	LOS ANGELES	10,385,372	13,644.7	131.4	143.5	141.0	145.9
15	SAN FRANCISCO	810,078	1,393.3	172.0	147.2	139.4	155.1
16	CALAVERAS	46,658	111.0	237.9	147.3	118.9	175.7
17	ORANGE	3,152,642	4,232.3	134.2	148.3	143.8	152.9
18	SAN MATEO	731,633	1,173.7	160.4	148.4	139.8	157.0
19	ALAMEDA	1,530,697	2,166.3	141.5	148.9	142.6	155.3
20	SANTA BARBARA	427,016	678.3	158.9	149.2	137.9	160.5
21	TUOLUMNE	58,156	141.7	243.6	150.1	124.7	175.4
22	SUTTER	97,800	145.0	148.3	150.9	126.2	175.5
23	SAN LUIS OBISPO	266,205	507.7	190.7	151.3	138.0	164.7
24	NEVADA	101,012	224.3	222.1	151.5	131.3	171.8
25	VENTURA	837,840	1,190.3	142.1	151.8	143.1	160.6
	CALIFORNIA	38,246,598	55,083.3	144.0	154.0	152.7	155.3
26	AMADOR	39,404	94.7	240.2	154.5	124.9	188.9
27	CONTRA COSTA	1,053,710	1,703.3	161.7	157.5	149.9	165.1
28	TULARE	446,533	553.0	123.8	158.1	144.9	171.4
29	SAN BENITO	60,768	75.7	124.5	158.6	124.9	198.6
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-1)				158.6		
30	EL DORADO	183,399	334.0	182.1	159.2	141.8	176.6
31	MARIPOSA	18,772	47.3	252.1	159.7	117.5	212.1
32	MERCED	261,587	312.7	119.5	160.0	142.1	177.9
33	MENDOCINO	91,794	180.7	196.8	161.2	137.3	185.1
34	FRESNO	946,353	1,224.3	129.4	161.6	152.4	170.7
35	SAN DIEGO	3,138,382	4,753.7	151.5	161.8	157.2	166.5
36	YOLO	199,279	261.3	131.1	162.5	142.5	182.5
37	KINGS	157,572	164.0	104.1	163.3	137.8	188.9
38	SAN BERNARDINO	2,095,918	2,624.7	125.2	164.2	157.8	170.6
39	GLENN	29,943	51.7	172.6	164.8	122.9	216.3
40	STANISLAUS	539,299	770.3	142.8	167.7	155.7	179.6
41	SACRAMENTO	1,422,789	2,264.3	159.1	167.8	160.8	174.7
42	SANTA CRUZ	265,578	393.7	148.2	168.5	151.2	185.7
43	PLACER	333,998	658.0	197.0	169.7	156.6	182.8
44	SAN JOAQUIN	706,857	1,014.3	143.5	170.7	160.1	181.2
45	SOLANO	431,525	685.3	158.8	172.8	159.7	186.0
46	KERN	835,007	1,072.7	128.5	173.6	163.1	184.2
47	RIVERSIDE	2,119,618	3,239.3	152.8	174.3	168.3	180.3
48	LAKE	65,947	176.0	266.9	175.9	149.2	202.6
49	NAPA	138,956	294.7	212.1	176.0	155.5	196.4
50	SISKIYOU	46,620	124.3	266.7	180.4	147.8	213.1
51	SONOMA	487,575	956.7	196.2	182.5	170.7	194.3
52	TRINITY	14,844	43.0	289.7	182.8	132.3	246.2
53	DEL NORTE	30,297	61.3	202.4	188.9	144.6	242.5
54	BUTTE	223,572	504.7	225.7	191.7	174.8	208.6
55	YUBA	76,556	123.3	161.1	192.1	158.0	226.2
56	HUMBOLDT	133,266	276.7	207.6	194.4	171.2	217.6
57	SHASTA	186,540	447.0	239.6	194.4	176.2	212.6
58	TEHAMA	63,702	155.0	243.3	200.1	168.4	231.7

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

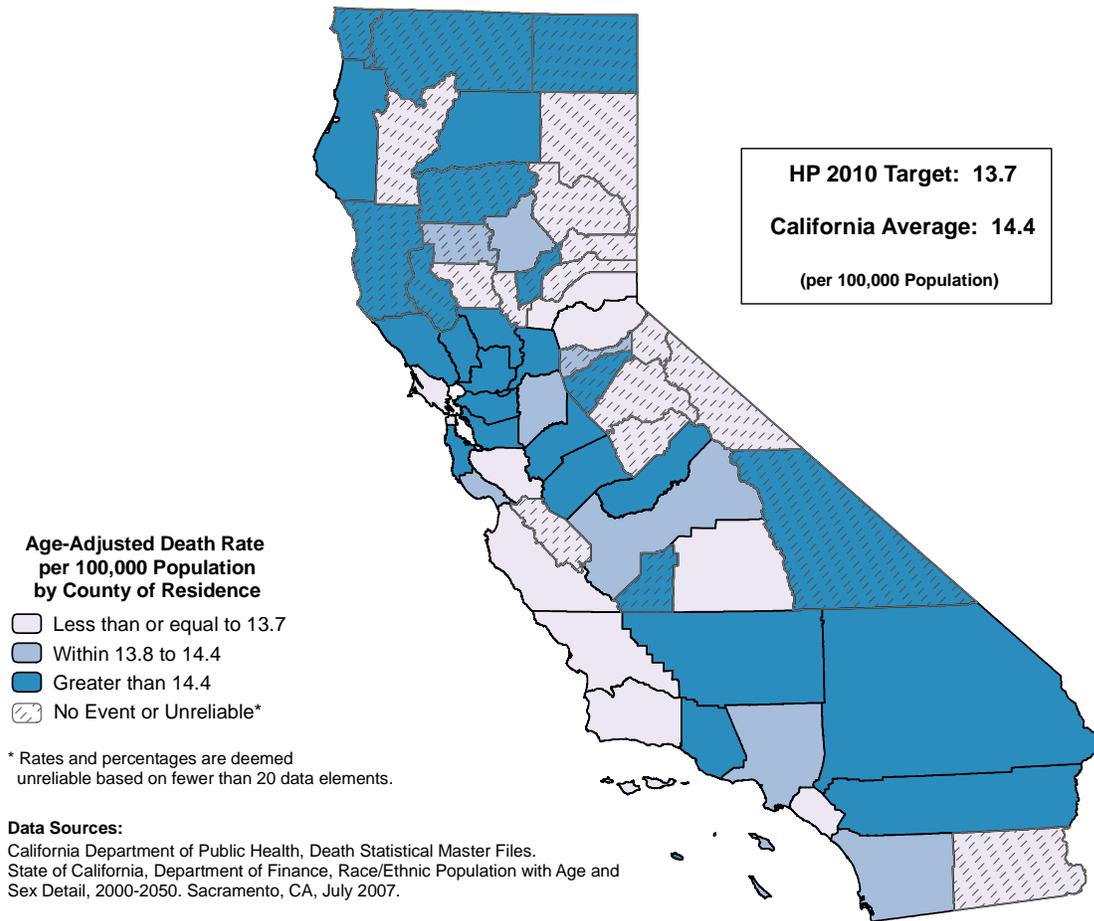
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO COLORECTAL CANCER, 2007-2009



The crude death rate from colorectal cancer for California was 13.5 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 7,422 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 5,153.3 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 19.9 in Napa County to 9.5 in Monterey County, a factor of 2.1 to 1.

The age-adjusted death rate from colorectal cancer for California during the 2007 through 2009 three-year period was 14.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 18.0 in Stanislaus County to 10.3 in Monterey County.

Ten counties with reliable age-adjusted death rates met the Healthy People 2010 National Objective 3-5 of no more than 13.7 age-adjusted deaths due to colorectal cancer per 100,000 population. An additional twelve counties with unreliable rates and one county with no colorectal deaths met the objective. The statewide age-adjusted death rate for colorectal cancer did not meet the national objective.

**TABLE 3
DEATHS DUE TO COLORECTAL CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,344	0.0	-	-	-	-
2	SIERRA	3,657	0.3	9.1 *	4.6 *	0.0	59.6
3	LASSEN	37,231	2.7	7.2 *	7.1 *	1.3	22.1
4	MARIPOSA	18,772	2.3	12.4 *	7.3 *	1.1	24.2
5	IMPERIAL	179,798	14.3	8.0 *	9.0 *	5.0	15.0
6	MONTEREY	427,571	40.7	9.5	10.3	7.4	14.0
7	PLUMAS	21,668	4.0	18.5 *	11.0 *	3.0	28.0
8	SAN BENITO	60,768	5.0	8.2 *	11.4 *	3.7	26.6
9	SANTA BARBARA	427,016	54.0	12.6	11.9	8.9	15.5
10	TRINITY	14,844	2.7	18.0 *	11.9 *	2.1	36.9
11	SAN LUIS OBISPO	266,205	40.3	15.2	12.0	8.6	16.3
12	SUTTER	97,800	11.3	11.6 *	12.1 *	6.1	21.4
13	EL DORADO	183,399	26.3	14.4	12.1	7.9	17.6
14	COLUSA	22,830	2.7	11.7 *	12.2 *	2.2	37.8
15	MONO	14,351	1.7	11.6 *	12.3 *	1.1	49.2
16	SANTA CLARA	1,809,774	214.7	11.9	12.4	10.7	14.1
17	TULARE	446,533	44.7	10.0	12.8	9.3	17.2
18	TUOLUMNE	58,156	11.3	19.5 *	12.9 *	6.5	22.9
19	ORANGE	3,152,642	372.7	11.8	13.0	11.7	14.4
20	NEVADA	101,012	19.3	19.1 *	13.2 *	8.0	20.5
21	MARIN	253,331	44.0	17.4	13.3	9.7	17.9
22	PLACER	333,998	52.0	15.6	13.4	10.0	17.6
23	SAN FRANCISCO	810,078	133.7	16.5	13.7	11.4	16.1
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-5)					13.7		
24	GLENN	29,943	4.3	14.5 *	13.8 *	4.0	34.2
25	FRESNO	946,353	105.7	11.2	13.9	11.2	16.5
26	SAN JOAQUIN	706,857	84.7	12.0	14.0	11.2	17.3
27	AMADOR	39,404	9.0	22.8 *	14.1 *	6.5	26.8
28	SANTA CRUZ	265,578	34.3	12.9	14.2	9.8	19.8
29	SAN DIEGO	3,138,382	419.0	13.4	14.2	12.8	15.6
30	LOS ANGELES	10,385,372	1,358.7	13.1	14.2	13.5	15.0
31	BUTTE	223,572	38.0	17.0	14.3	10.1	19.6
CALIFORNIA		38,246,598	5,153.3	13.5	14.4	14.0	14.8
32	KERN	835,007	90.0	10.8	14.6	11.7	17.9
33	LAKE	65,947	14.3	21.7 *	14.6 *	8.0	24.4
34	MENDOCINO	91,794	16.3	17.8 *	14.9 *	8.6	24.1
35	CALAVERAS	46,658	10.3	22.1 *	14.9 *	7.2	27.2
36	SAN MATEO	731,633	120.0	16.4	14.9	12.2	17.7
37	ALAMEDA	1,530,697	218.3	14.3	15.1	13.1	17.1
38	DEL NORTE	30,297	5.0	16.5 *	15.2 *	4.9	35.4
39	VENTURA	837,840	119.0	14.2	15.3	12.5	18.1
40	KINGS	157,572	15.0	9.5 *	15.4 *	8.6	25.4
41	MERCED	261,587	30.3	11.6	15.4	10.4	22.0
42	YOLO	199,279	24.7	12.4	15.5	10.0	22.9
43	SACRAMENTO	1,422,789	210.7	14.8	15.5	13.4	17.7
44	TEHAMA	63,702	12.3	19.4 *	15.6 *	8.2	27.1
45	SAN BERNARDINO	2,095,918	248.3	11.8	15.7	13.7	17.7
46	INYO	19,007	4.7	24.6 *	15.9 *	4.9	38.2
47	SONOMA	487,575	84.0	17.2	15.9	12.7	19.7
48	SOLANO	431,525	64.7	15.0	15.9	12.3	20.3
49	CONTRA COSTA	1,053,710	175.0	16.6	16.3	13.8	18.7
50	SHASTA	186,540	36.7	19.7	16.3	11.5	22.5
51	NAPA	138,956	27.7	19.9	16.4	10.9	23.8
52	MADERA	154,405	24.0	15.5	16.6	10.6	24.6
53	MODOC	10,562	2.7	25.2 *	16.7 *	3.0	51.6
54	YUBA	76,556	10.7	13.9 *	16.7 *	8.2	30.1
55	RIVERSIDE	2,119,618	316.0	14.9	16.9	15.1	18.8
56	HUMBOLDT	133,266	24.7	18.5	17.3	11.2	25.6
57	STANISLAUS	539,299	81.3	15.1	18.0	14.3	22.3
58	SISKIYOU	46,620	12.3	26.5 *	18.2 *	9.5	31.6

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

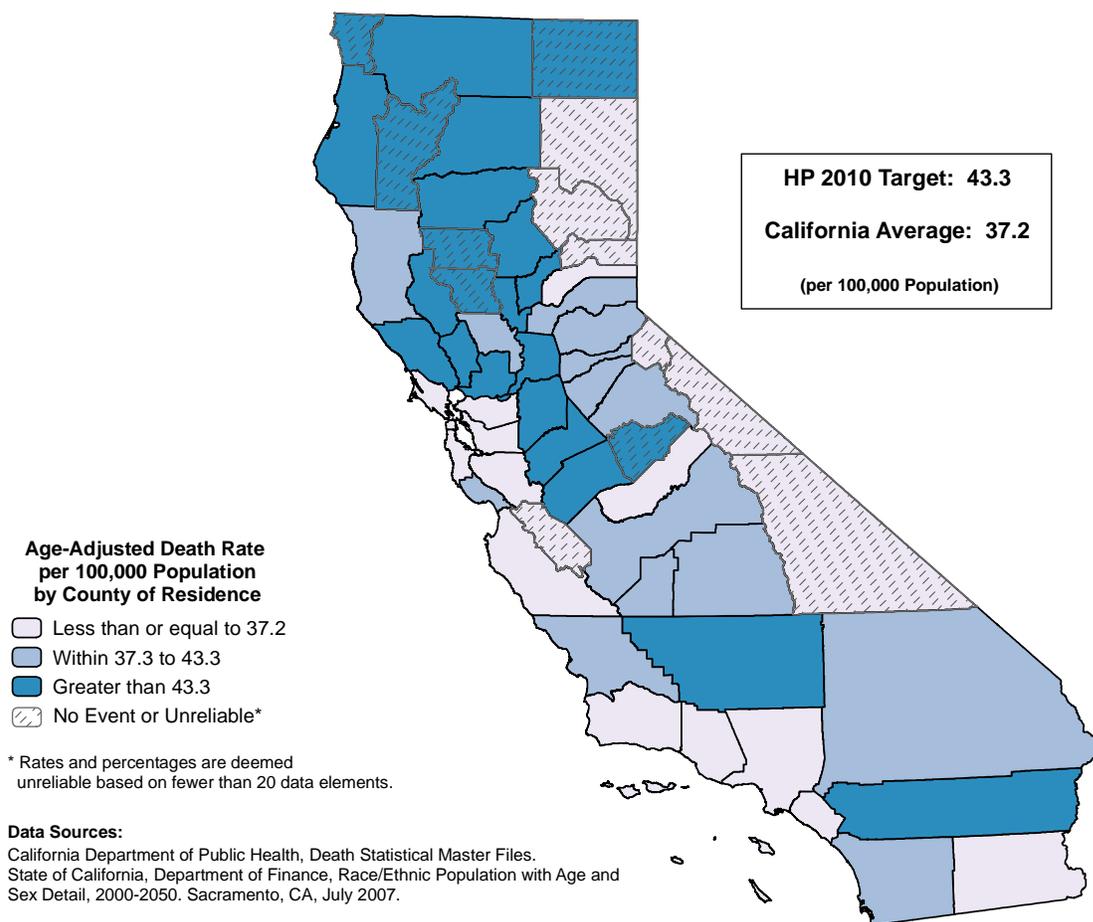
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO LUNG CANCER, 2007-2009



The crude death rate from lung cancer for California was 34.2 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,924 persons. This rate was based on the 2007 through 2009 three-year average number of deaths equaling 13,081.0 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 87.4 in Lake County to 23.2 in Imperial County, a factor of 3.8 to 1.

The age-adjusted death rate from lung cancer for California during the 2007 through 2009 three-year period was 37.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 71.9 in Yuba County to 26.8 in Imperial County.

Twenty-eight counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2010 National Objective 3-2 of no more than 43.3 age-adjusted deaths due to lung cancer per 100,000 population. An additional seven counties with unreliable rates met the objective.

**TABLE 4
DEATHS DUE TO LUNG CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,351	2.0	13.9 *	16.2 *	2.0	58.5
2	ALPINE	1,344	0.3	24.8 *	19.7 *	0.0	257.0
3	SIERRA	3,657	1.7	45.6 *	24.9 *	2.2	100.0
4	IMPERIAL	179,798	41.7	23.2	26.8	19.3	36.2
5	LASSEN	37,231	9.3	25.1 *	28.8 *	13.4	54.1
6	MONTEREY	427,571	112.7	26.4	29.3	23.8	34.7
7	SANTA CLARA	1,809,774	501.0	27.7	29.5	26.9	32.1
8	MARIN	253,331	97.0	38.3	29.5	24.0	36.0
9	LOS ANGELES	10,385,372	2,940.0	28.3	31.5	30.4	32.7
10	MADERA	154,405	48.0	31.1	33.0	24.3	43.7
11	SAN BENITO	60,768	15.3	25.2 *	33.1 *	18.7	54.4
12	PLUMAS	21,668	12.0	55.4 *	33.3 *	17.2	58.1
13	SANTA BARBARA	427,016	153.3	35.9	34.4	28.9	39.9
14	SAN MATEO	731,633	266.7	36.4	34.6	30.4	38.8
15	ALAMEDA	1,530,697	501.7	32.8	35.0	31.9	38.1
16	VENTURA	837,840	273.3	32.6	35.3	31.1	39.6
17	INYO	19,007	10.3	54.4 *	35.7 *	17.4	65.1
18	SAN FRANCISCO	810,078	333.7	41.2	35.8	31.9	39.7
19	ORANGE	3,152,642	996.7	31.6	35.8	33.6	38.1
20	CONTRA COSTA	1,053,710	393.0	37.3	36.9	33.2	40.5
21	NEVADA	101,012	55.7	55.1	37.2	28.1	48.4
	CALIFORNIA	38,246,598	13,081.0	34.2	37.2	36.5	37.8
22	SAN LUIS OBISPO	266,205	127.7	48.0	38.2	31.5	44.8
23	KINGS	157,572	38.3	24.3	38.8	27.5	53.1
24	SAN DIEGO	3,138,382	1,129.0	36.0	39.1	36.8	41.4
25	SANTA CRUZ	265,578	87.3	32.9	39.3	31.5	48.5
26	MENDOCINO	91,794	46.0	50.1	39.4	28.9	52.6
27	EL DORADO	183,399	81.7	44.5	39.5	31.4	49.0
28	FRESNO	946,353	291.7	30.8	39.6	35.0	44.2
29	SAN BERNARDINO	2,095,918	624.7	29.8	40.1	36.9	43.3
30	AMADOR	39,404	25.3	64.3	41.0	26.6	60.4
31	YOLO	199,279	65.0	32.6	41.3	31.9	52.6
32	PLACER	333,998	161.7	48.4	41.6	35.2	48.0
33	TULARE	446,533	144.7	32.4	42.1	35.2	49.0
34	TUOLUMNE	58,156	41.0	70.5	42.2	30.3	57.3
35	CALAVERAS	46,658	34.0	72.9	42.9	29.7	59.9
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-2)				43.3		
36	RIVERSIDE	2,119,618	810.3	38.2	44.2	41.1	47.2
37	SONOMA	487,575	229.0	47.0	44.6	38.7	50.4
38	STANISLAUS	539,299	202.7	37.6	44.8	38.6	51.0
39	MERCED	261,587	86.7	33.1	44.9	35.9	55.4
40	SACRAMENTO	1,422,789	607.0	42.7	45.4	41.8	49.1
41	SOLANO	431,525	175.3	40.6	45.5	38.6	52.3
42	MODOC	10,562	7.0	66.3 *	45.5 *	18.3	93.7
43	NAPA	138,956	75.3	54.2	45.9	36.1	57.5
44	SUTTER	97,800	45.3	46.4	47.0	34.4	62.9
45	SAN JOAQUIN	706,857	277.0	39.2	47.3	41.7	52.9
46	KERN	835,007	290.7	34.8	47.8	42.2	53.4
47	COLUSA	22,830	10.3	45.3 *	50.2 *	24.4	91.4
48	HUMBOLDT	133,266	71.7	53.8	50.7	39.7	63.9
49	BUTTE	223,572	137.7	61.6	52.7	43.8	61.6
50	GLENN	29,943	16.7	55.7 *	52.9 *	30.6	85.1
51	SISKIYOU	46,620	38.3	82.2	54.4	38.5	74.5
52	LAKE	65,947	57.7	87.4	55.1	41.8	71.3
53	DEL NORTE	30,297	18.0	59.4 *	56.0 *	33.2	88.5
54	MARIPOSA	18,772	16.3	87.0 *	56.1 *	32.3	90.7
55	TEHAMA	63,702	46.3	72.7	59.2	43.4	78.9
56	SHASTA	186,540	137.3	73.6	59.2	49.3	69.2
57	TRINITY	14,844	15.3	103.3 *	65.0 *	36.6	106.6
58	YUBA	76,556	45.7	59.7	71.9	52.6	96.0

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

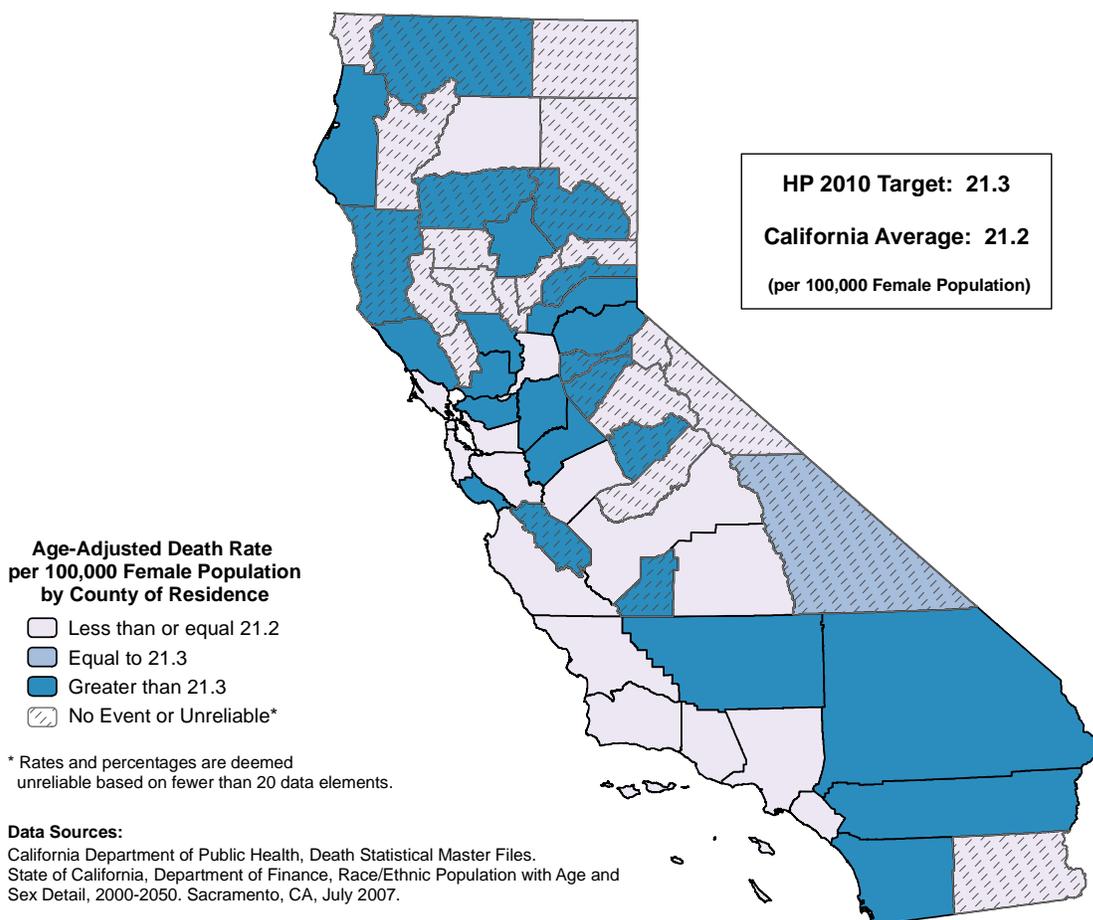
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO FEMALE BREAST CANCER, 2007-2009



The crude death rate from female breast cancer for California was 22.2 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 4,498 females. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 4,260.0 and female population count of 19,159,540 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 35.2 in Humboldt County to 17.0 in Merced County, a factor of 2.1 to 1.

The age-adjusted death rate from female breast cancer for California during the 2007 through 2009 three-year period was 21.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 29.7 in Humboldt County to 17.3 in San Francisco County.

Sixteen counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2010 National Objective 3-3 of no more than 21.3 age-adjusted deaths due to female breast cancer per 100,000 population. An additional fifteen counties with unreliable rates and one county with no female breast cancer deaths met the objective.

**TABLE 5
DEATHS DUE TO FEMALE BREAST CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 FEMALE POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS		
						LOWER	UPPER	
1	ALPINE	645	0.0	-	-	-	-	
2	SIERRA	1,813	0.3	18.4 *	8.6 *	0.0	112.6	
3	LASSEN	14,199	1.7	11.7 *	10.2 *	0.9	40.7	
4	MADERA	79,647	10.7	13.4 *	13.2 *	6.5	23.7	
5	COLUSA	11,172	1.3	11.9 *	13.4 *	0.7	61.7	
6	GLENN	14,793	2.7	18.0 *	15.0 *	2.7	46.5	
7	LAKE	33,186	8.3	25.1 *	15.5 *	6.8	30.2	
8	IMPERIAL	84,541	13.3	15.8 *	16.0 *	8.6	27.1	
9	MODOC	5,206	1.3	25.6 *	16.6 *	0.9	76.4	
10	TUOLUMNE	27,621	8.3	30.2 *	17.1 *	7.5	33.2	
11	SAN FRANCISCO	394,293	90.0	22.8	17.3	13.9	21.2	
12	DEL NORTE	13,677	3.0	21.9 *	17.4 *	3.6	51.0	
13	SANTA CLARA	892,914	175.7	19.7	18.0	15.3	20.6	
14	SANTA BARBARA	212,605	46.0	21.6	18.2	13.3	24.3	
15	NAPA	69,687	17.3	24.9 *	18.3 *	10.7	29.2	
16	MONTEREY	208,908	39.0	18.7	18.4	13.1	25.2	
17	MONO	6,665	1.3	20.0 *	18.9 *	1.0	87.1	
18	SAN MATEO	367,973	86.7	23.6	19.1	15.3	23.6	
19	MARIN	127,954	35.3	27.6	19.2	13.4	26.6	
20	SUTTER	49,482	10.0	20.2 *	19.7 *	9.5	36.2	
21	TULARE	222,519	38.3	17.2	19.8	14.0	27.1	
22	YUBA	37,971	7.0	18.4 *	20.1 *	8.1	41.4	
23	ORANGE	1,587,058	329.3	20.8	20.1	17.9	22.3	
24	MERCED	129,775	22.0	17.0	20.2	12.6	30.5	
25	ALAMEDA	781,977	170.7	21.8	20.2	17.1	23.3	
26	VENTURA	417,151	89.0	21.3	20.4	16.3	25.0	
27	SHASTA	94,861	25.3	26.7	20.6	13.4	30.3	
28	LOS ANGELES	5,232,179	1,121.0	21.4	20.8	19.5	22.0	
29	FRESNO	469,838	88.7	18.9	20.8	16.7	25.5	
30	TRINITY	7,309	2.0	27.4 *	20.9 *	2.5	75.7	
31	SAN LUIS OBISPO	130,169	37.7	28.9	21.0	14.9	28.9	
32	SACRAMENTO	723,928	161.3	22.3	21.1	17.8	24.4	
	CALIFORNIA	19,159,540	4,260.0	22.2	21.2	20.5	21.8	
33	INYO	9,594	3.0	31.3 *	21.3 *	4.4	62.3	
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-3)					21.3		
34	EL DORADO	91,870	24.7	26.8	21.4	13.8	31.7	
35	SAN DIEGO	1,561,961	367.0	23.5	22.0	19.8	24.3	
36	PLACER	171,059	47.3	27.7	22.0	16.2	29.3	
37	NEVADA	50,714	18.7	36.8 *	22.1 *	13.2	34.6	
38	SOLANO	214,150	50.3	23.5	22.2	16.5	29.2	
39	CONTRA COSTA	535,907	135.7	25.3	22.2	18.4	26.0	
40	SAN JOAQUIN	354,942	73.7	20.8	22.5	17.7	28.3	
41	TEHAMA	32,107	10.0	31.1 *	22.5 *	10.8	41.4	
42	KERN	407,127	77.7	19.1	22.6	17.8	28.2	
43	CALAVERAS	23,586	8.0	33.9 *	22.7 *	9.8	44.8	
44	SISKIYOU	23,763	8.3	35.1 *	22.8 *	10.0	44.3	
45	YOLO	101,046	21.0	20.8	23.2	14.3	35.4	
46	SAN BERNARDINO	1,048,684	217.7	20.8	23.5	20.4	26.7	
47	SAN BENITO	29,999	6.3	21.1 *	23.7 *	9.0	50.6	
48	AMADOR	17,867	7.3	41.0 *	23.9 *	9.9	48.5	
49	STANISLAUS	274,519	63.0	22.9	24.0	18.4	30.7	
50	KINGS	68,972	13.7	19.8 *	24.2 *	13.1	40.9	
51	RIVERSIDE	1,063,859	261.7	24.6	25.6	22.5	28.7	
52	SANTA CRUZ	132,898	35.0	26.3	25.8	17.9	35.8	
53	BUTTE	113,526	37.3	32.9	25.8	18.2	35.5	
54	SONOMA	246,429	78.7	31.9	26.2	20.8	32.7	
55	MENDOCINO	45,966	16.3	35.5 *	27.0 *	15.5	43.6	
56	MARIPOSA	9,186	4.3	47.2 *	27.0 *	7.9	66.8	
57	PLUMAS	10,938	5.0	45.7 *	27.4 *	8.9	63.9	
58	HUMBOLDT	67,155	23.7	35.2	29.7	19.0	44.4	

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

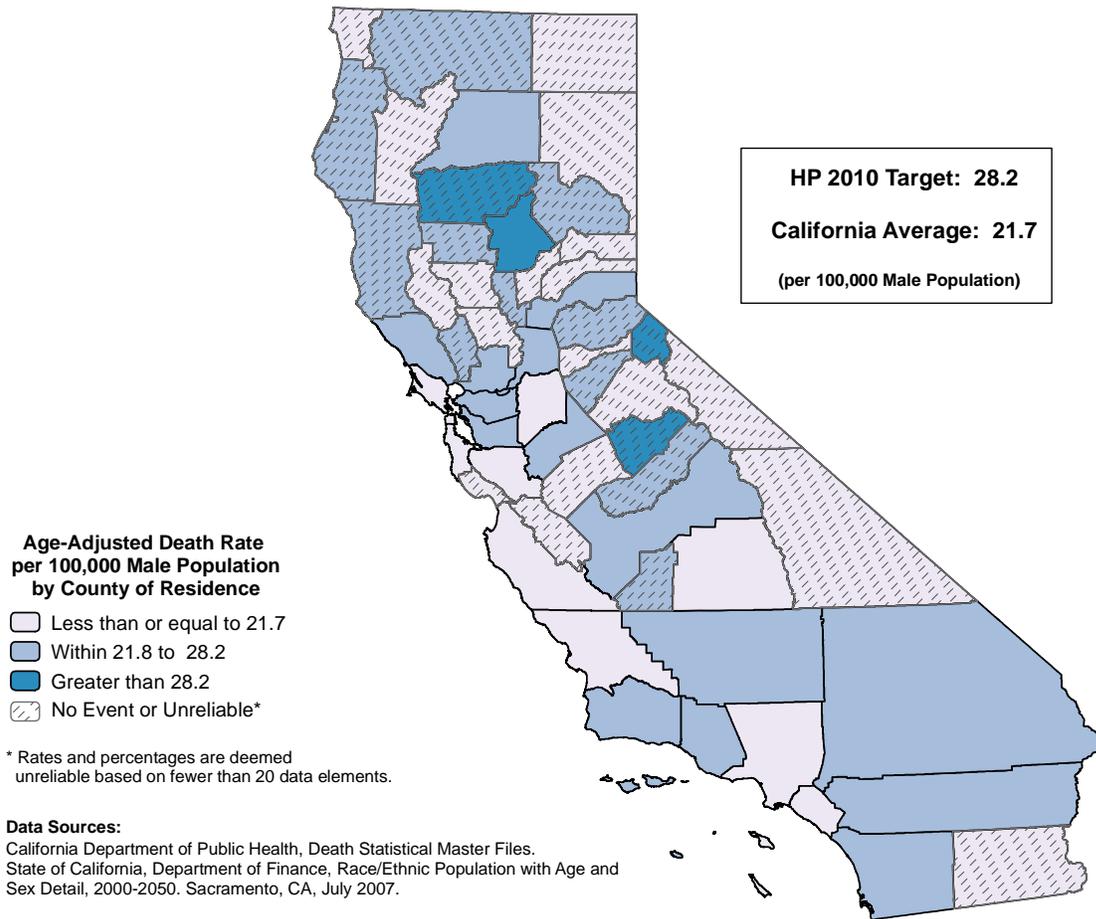
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO PROSTATE CANCER, 2007-2009



The crude death rate from male prostate cancer for California was 16.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 6,255 males. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 3,051.3 and male population count of 19,087,058 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 31.8 in Butte County to 11.3 in Santa Clara County, a factor of 2.8 to 1.

The age-adjusted death rate from male prostate cancer for California during the 2007 through 2009 three-year period was 21.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 30.8 in Butte County to 15.2 in San Francisco County.

Twenty-five counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2010 National Objective 3-7 of no more than 28.2 age-adjusted deaths due to prostate cancer per 100,000 male population. An additional twenty-nine counties with unreliable rates met the objective.

**TABLE 6
DEATHS DUE TO PROSTATE CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 MALE POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	SAN BENITO	30,769	1.0	3.3 *	5.5 *	0.1	30.6
2	MONO	7,686	0.7	8.7 *	8.9 *	0.0	66.2
3	LASSEN	23,032	1.3	5.8 *	9.6 *	0.5	44.2
4	INYO	9,413	1.3	14.2 *	10.2 *	0.6	47.2
5	SIERRA	1,844	0.3	18.1 *	11.7 *	0.0	153.6
6	MODOC	5,356	1.0	18.7 *	13.3 *	0.3	73.9
7	COLUSA	11,658	1.3	11.4 *	14.9 *	0.8	68.7
8	SAN FRANCISCO	415,785	61.3	14.8	15.2	11.6	19.5
9	SANTA CLARA	916,860	103.7	11.3	15.4	12.4	18.4
10	AMADOR	21,537	4.3	20.1 *	15.8 *	4.6	39.1
11	LAKE	32,761	7.7	23.4 *	16.2 *	6.8	32.3
12	TRINITY	7,535	2.0	26.5 *	17.9 *	2.2	64.6
13	YUBA	38,585	4.7	12.1 *	18.3 *	5.7	44.0
14	NEVADA	50,298	12.0	23.9 *	18.7 *	9.7	32.6
15	SAN MATEO	363,660	59.7	16.4	18.9	14.4	24.4
16	MONTEREY	218,663	31.0	14.2	19.3	13.1	27.4
17	SAN JOAQUIN	351,915	48.0	13.6	20.0	14.8	26.5
18	IMPERIAL	95,257	13.7	14.3 *	20.4 *	11.0	34.4
19	MERCED	131,812	15.7	11.9 *	20.7 *	11.7	33.8
20	TUOLUMNE	30,535	9.0	29.5 *	20.7 *	9.5	39.3
21	SAN LUIS OBISPO	136,036	31.0	22.8	20.9	14.2	29.7
22	LOS ANGELES	5,153,193	773.0	15.0	20.9	19.5	22.4
23	SANTA CRUZ	132,680	18.3	13.8 *	21.0 *	12.5	33.1
24	TULARE	224,014	28.7	12.8	21.0	14.0	30.3
25	ORANGE	1,565,584	224.7	14.4	21.0	18.3	23.8
26	MARIN	125,377	27.7	22.1	21.1	14.0	30.6
27	YOLO	98,233	13.3	13.6 *	21.5 *	11.6	36.6
28	DEL NORTE	16,620	3.0	18.1 *	21.7 *	4.5	63.4
CALIFORNIA		19,087,058	3,051.3	16.0	21.7	21.0	22.5
29	FRESNO	476,515	64.0	13.4	21.8	16.8	27.8
30	SACRAMENTO	698,861	114.3	16.4	21.8	17.7	25.8
31	CALAVERAS	23,072	7.0	30.3 *	21.9 *	8.8	45.1
32	CONTRA COSTA	517,803	90.7	17.5	22.0	17.7	27.0
33	SUTTER	48,318	8.0	16.6 *	22.1 *	9.6	43.6
34	MADERA	74,758	13.7	18.3 *	22.4 *	12.1	37.8
35	NAPA	69,269	17.0	24.5 *	22.5 *	13.1	36.1
36	PLACER	162,939	37.0	22.7	22.7	16.0	31.3
37	STANISLAUS	264,780	41.0	15.5	23.0	16.5	31.2
38	MENDOCINO	45,828	10.3	22.5 *	23.2 *	11.3	42.3
39	EL DORADO	91,529	19.7	21.5 *	23.3 *	14.2	36.1
40	ALAMEDA	748,720	129.7	17.3	23.4	19.3	27.5
41	VENTURA	420,689	72.0	17.1	23.9	18.7	30.2
42	KINGS	88,600	9.0	10.2 *	24.0 *	11.0	45.6
43	RIVERSIDE	1,055,759	185.3	17.6	24.0	20.6	27.5
44	SAN DIEGO	1,576,421	278.7	17.7	24.0	21.2	26.9
45	GLENN	15,150	3.3	22.0 *	24.1 *	5.5	67.0
46	SOLANO	217,375	35.0	16.1	24.3	16.9	33.8
47	SANTA BARBARA	214,411	47.7	22.2	24.9	18.3	33.0
48	SAN BERNARDINO	1,047,234	149.0	14.2	25.6	21.4	29.8
49	HUMBOLDT	66,111	15.0	22.7 *	25.7 *	14.4	42.4
50	SHASTA	91,679	24.3	26.5	25.8	16.6	38.3
51	PLUMAS	10,730	4.0	37.3 *	26.6 *	7.3	68.2
52	SISKIYOU	22,857	8.7	37.9 *	27.2 *	12.2	52.2
53	SONOMA	241,146	56.3	23.4	27.2	20.6	35.3
54	KERN	427,880	62.0	14.5	27.4	21.0	35.2
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-7)					28.2		
55	TEHAMA	31,595	9.7	30.6 *	28.9 *	13.7	53.7
56	ALPINE	699	0.3	47.7 *	30.4 *	0.0	397.6
57	BUTTE	110,046	35.0	31.8	30.8	21.4	42.8
58	MARIPOSA	9,586	4.3	45.2 *	31.3 *	9.1	77.5

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

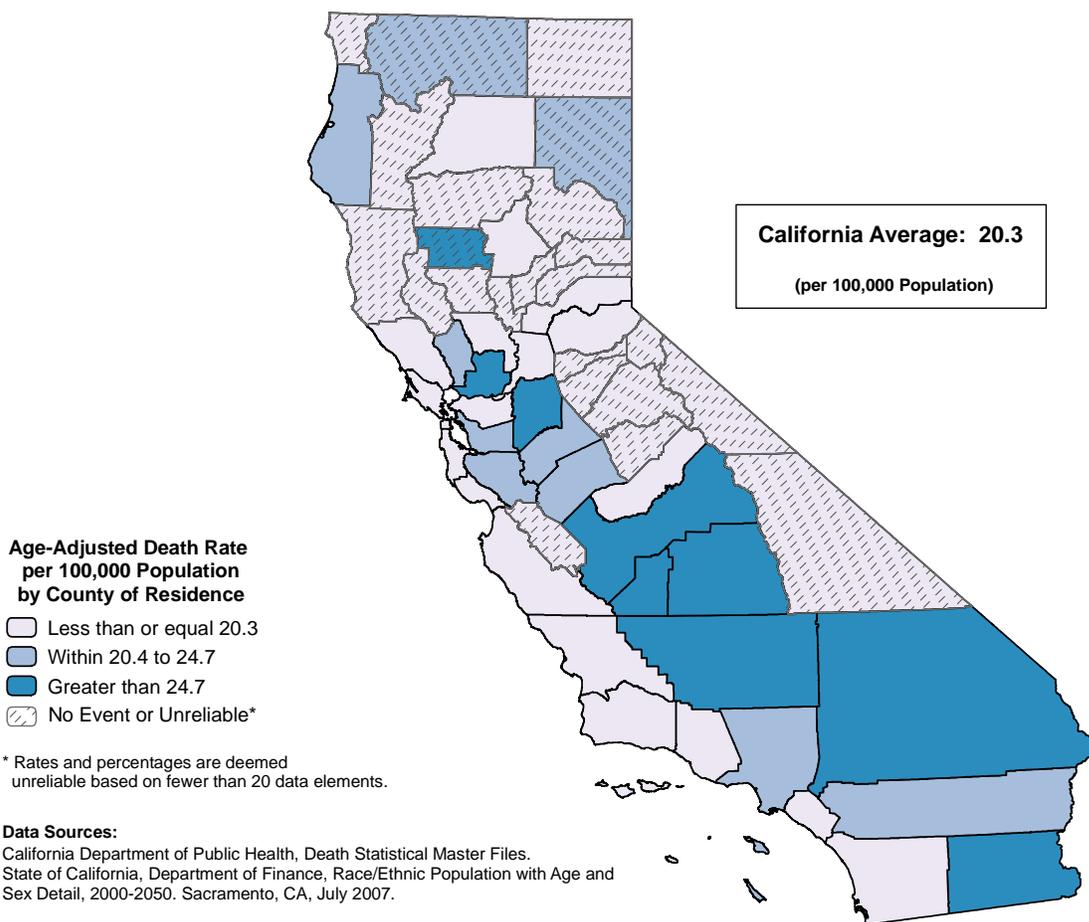
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO DIABETES, 2007-2009



The crude death rate from diabetes for California was 18.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 5,286 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 7,235.0 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 27.4 in Imperial County to 11.6 in Marin County, a factor of 2.4 to 1.

The age-adjusted death rate from diabetes for California during the 2007 through 2009 three-year period was 20.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 34.8 in Kings County to 8.8 in Marin County.

The Healthy People 2010 National Objective 5-5 for diabetes mortality is based on both underlying and contributing causes of death. California's 2007 multiple causes of death data are not yet available. Therefore, California's progress in meeting this objective will not be addressed in this report.

**TABLE 7
DEATHS DUE TO DIABETES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (5-5)					NONE		
1	SIERRA	3,657	0.0	-	-	-	-
2	MONO	14,351	0.7	4.6 *	5.0 *	0.0	37.3
3	COLUSA	22,830	2.0	8.8 *	8.4 *	1.0	30.5
4	MARIN	253,331	29.3	11.6	8.8	5.9	12.7
5	TRINITY	14,844	1.7	11.2 *	9.4 *	0.8	37.9
6	AMADOR	39,404	6.3	16.1 *	9.9 *	3.8	21.1
7	SAN FRANCISCO	810,078	103.7	12.8	10.8	8.7	12.9
8	SAN LUIS OBISPO	266,205	38.3	14.4	11.2	8.0	15.4
9	NEVADA	101,012	16.7	16.5 *	11.9 *	6.9	19.1
10	SAN MATEO	731,633	95.3	13.0	12.1	9.8	14.8
11	EL DORADO	183,399	25.3	13.8	12.2	7.9	18.0
12	SHASTA	186,540	29.0	15.5	13.0	8.7	18.6
13	SANTA BARBARA	427,016	61.7	14.4	13.5	10.3	17.3
14	INYO	19,007	3.7	19.3 *	13.7 *	3.5	36.5
15	TUOLUMNE	58,156	12.3	21.2 *	13.7 *	7.2	23.8
16	MENDOCINO	91,794	15.0	16.3 *	13.8 *	7.7	22.7
17	ORANGE	3,152,642	403.0	12.8	14.2	12.8	15.6
18	CALAVERAS	46,658	11.3	24.3 *	14.2 *	7.2	25.3
19	PLUMAS	21,668	5.0	23.1 *	14.4 *	4.7	33.5
20	PLACER	333,998	60.3	18.1	15.3	11.7	19.7
21	SAN BENITO	60,768	7.7	12.6 *	15.8 *	6.7	31.6
22	YUBA	76,556	10.0	13.1 *	15.9 *	7.6	29.2
23	SUTTER	97,800	15.7	16.0 *	16.2 *	9.2	26.4
24	BUTTE	223,572	43.7	19.5	16.3	11.8	21.9
25	MARIPOSA	18,772	4.7	24.9 *	16.7 *	5.2	40.1
26	MODOC	10,562	2.7	25.2 *	16.7 *	3.0	51.8
27	LAKE	65,947	16.7	25.3 *	16.9 *	9.8	27.1
28	SONOMA	487,575	90.0	18.5	17.2	13.9	21.2
29	CONTRA COSTA	1,053,710	187.3	17.8	17.4	14.8	19.9
30	TEHAMA	63,702	13.3	20.9 *	18.0 *	9.7	30.6
31	MONTEREY	427,571	70.7	16.5	18.1	14.1	22.8
32	SANTA CRUZ	265,578	42.0	15.8	18.5	13.3	25.0
33	SAN DIEGO	3,138,382	548.7	17.5	18.6	17.0	20.2
34	VENTURA	837,840	145.3	17.3	18.7	15.7	21.8
35	YOLO	199,279	30.0	15.1	19.2	13.0	27.4
36	MADERA	154,405	28.0	18.1	19.3	12.8	27.9
37	SACRAMENTO	1,422,789	264.3	18.6	19.4	17.0	21.7
38	DEL NORTE	30,297	6.3	20.9 *	19.5 *	7.4	41.6
39	ALPINE	1,344	0.3	24.8 *	19.7 *	0.0	257.0
	CALIFORNIA	38,246,598	7,235.0	18.9	20.3	19.8	20.7
40	ALAMEDA	1,530,697	300.3	19.6	20.6	18.3	23.0
41	SISKIYOU	46,620	14.7	31.5 *	20.8 *	11.6	34.6
42	NAPA	138,956	35.7	25.7	21.3	14.9	29.5
43	SANTA CLARA	1,809,774	364.3	20.1	21.4	19.2	23.6
44	LOS ANGELES	10,385,372	2,093.7	20.2	22.1	21.1	23.0
45	RIVERSIDE	2,119,618	410.3	19.4	22.1	19.9	24.2
46	STANISLAUS	539,299	106.3	19.7	23.1	18.7	27.5
47	LASSEN	37,231	7.7	20.6 *	24.5 *	10.4	49.0
48	MERCED	261,587	47.7	18.2	24.6	18.1	32.7
49	HUMBOLDT	133,266	34.7	26.0	24.7	17.1	34.3
50	GLENN	29,943	8.0	26.7 *	24.8 *	10.7	48.8
51	TULARE	446,533	94.3	21.1	27.2	22.0	33.2
52	SOLANO	431,525	112.0	26.0	28.6	23.2	34.0
53	SAN BERNARDINO	2,095,918	463.3	22.1	29.4	26.7	32.2
54	FRESNO	946,353	221.7	23.4	29.5	25.6	33.4
55	IMPERIAL	179,798	49.3	27.4	31.9	23.6	42.1
56	SAN JOAQUIN	706,857	188.0	26.6	32.0	27.4	36.6
57	KERN	835,007	201.7	24.2	33.0	28.4	37.7
58	KINGS	157,572	33.3	21.2	34.8	24.0	48.8

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

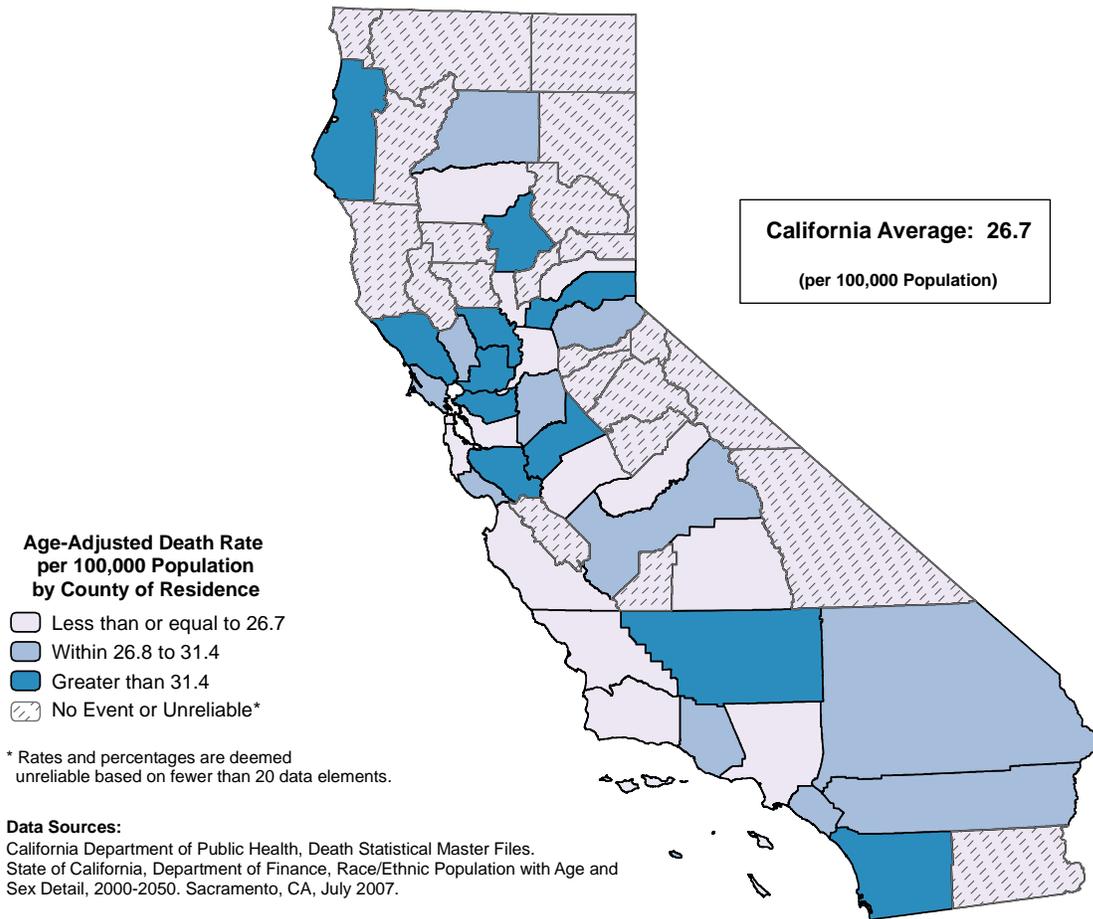
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO ALZHEIMER'S DISEASE, 2007-2009



The crude death rate from Alzheimer's disease for California was 24.8 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 4,030 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 9,490.7 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 47.4 in Butte County to 9.4 in Tulare County, a factor of 5.0 to 1.

The age-adjusted death rate from Alzheimer's disease for California during the 2007 through 2009 three-year period was 26.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 43.2 in Solano County to 12.7 in Tulare County.

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

**TABLE 8
DEATHS DUE TO ALZHEIMER'S DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE			
1	ALPINE	1,344	0.0	-	-	-	-
2	INYO	19,007	0.7	3.5 *	2.0 *	0.0	15.0
3	MONO	14,351	0.3	2.3 *	3.1 *	0.0	41.1
4	SIERRA	3,657	0.3	9.1 *	5.0 *	0.0	65.0
5	TRINITY	14,844	1.7	11.2 *	8.1 *	0.7	32.7
6	TUOLUMNE	58,156	8.7	14.9 *	8.8 *	4.0	16.9
7	IMPERIAL	179,798	14.7	8.2 *	9.9 *	5.5	16.5
8	CALAVERAS	46,658	7.7	16.4 *	10.3 *	4.4	20.7
9	MARIPOSA	18,772	3.3	17.8 *	12.3 *	2.8	34.2
10	DEL NORTE	30,297	4.0	13.2 *	12.6 *	3.4	32.3
11	TULARE	446,533	42.0	9.4	12.7	9.1	17.1
12	LASSEN	37,231	3.7	9.8 *	12.8 *	3.2	34.1
13	SAN BENITO	60,768	5.7	9.3 *	13.3 *	4.7	29.5
14	PLUMAS	21,668	5.3	24.6 *	15.1 *	5.1	34.3
15	MONTEREY	427,571	61.0	14.3	15.1	11.5	19.4
16	MENDOCINO	91,794	17.7	19.2 *	15.7 *	9.2	24.9
17	SISKIYOU	46,620	12.7	27.2 *	16.1 *	8.5	27.8
18	MODOC	10,562	2.7	25.2 *	16.5 *	3.0	51.3
19	LAKE	65,947	16.7	25.3 *	17.0 *	9.8	27.3
20	KINGS	157,572	15.0	9.5 *	17.6 *	9.8	29.0
21	SAN LUIS OBISPO	266,205	66.3	24.9	17.9	13.8	22.7
22	SAN FRANCISCO	810,078	204.3	25.2	18.2	15.7	20.8
23	GLENN	29,943	6.3	21.2 *	18.3 *	7.0	39.1
24	NEVADA	101,012	26.7	26.4	18.4	12.1	26.9
25	COLUSA	22,830	4.3	19.0 *	19.6 *	5.7	48.6
26	MERCED	261,587	36.7	14.0	20.1	14.2	27.8
27	ALAMEDA	1,530,697	296.3	19.4	20.3	17.9	22.6
28	LOS ANGELES	10,385,372	2,010.0	19.4	21.3	20.4	22.3
29	SANTA BARBARA	427,016	116.3	27.2	22.6	18.5	26.8
30	YUBA	76,556	14.3	18.7 *	24.3 *	13.4	40.5
31	AMADOR	39,404	15.0	38.1 *	24.5 *	13.7	40.5
32	TEHAMA	63,702	20.7	32.4	25.3	15.6	38.8
33	SUTTER	97,800	24.3	24.9	26.0	16.7	38.6
34	SAN MATEO	731,633	225.3	30.8	26.1	22.6	29.5
35	SACRAMENTO	1,422,789	344.0	24.2	26.1	23.3	28.8
36	MADERA	154,405	36.0	23.3	26.2	18.3	36.2
CALIFORNIA		38,246,598	9,490.7	24.8	26.7	26.2	27.2
37	SHASTA	186,540	62.0	33.2	27.1	20.8	34.8
38	VENTURA	837,840	204.0	24.3	27.3	23.5	31.0
39	SAN BERNARDINO	2,095,918	374.0	17.8	27.4	24.6	30.1
40	SANTA CRUZ	265,578	66.0	24.9	27.6	21.3	35.1
41	SAN JOAQUIN	706,857	161.3	22.8	27.7	23.4	31.9
42	EL DORADO	183,399	57.0	31.1	29.5	22.3	38.2
43	RIVERSIDE	2,119,618	566.3	26.7	29.7	27.2	32.1
44	MARIN	253,331	108.0	42.6	30.8	24.9	36.6
45	FRESNO	946,353	227.3	24.0	30.9	26.8	34.9
46	ORANGE	3,152,642	860.3	27.3	30.9	28.9	33.0
47	NAPA	138,956	62.3	44.9	31.2	23.9	40.0
48	PLACER	333,998	131.0	39.2	31.7	26.2	37.1
49	CONTRA COSTA	1,053,710	341.0	32.4	32.2	28.8	35.7
50	STANISLAUS	539,299	151.7	28.1	33.7	28.3	39.0
51	BUTTE	223,572	106.0	47.4	34.2	27.6	40.7
52	SANTA CLARA	1,809,774	578.3	32.0	34.6	31.7	37.4
53	YOLO	199,279	54.7	27.4	35.6	26.8	46.3
54	SAN DIEGO	3,138,382	1,092.0	34.8	36.0	33.9	38.2
55	KERN	835,007	193.3	23.2	36.7	31.5	41.9
56	HUMBOLDT	133,266	52.7	39.5	37.6	28.1	49.2
57	SONOMA	487,575	214.3	44.0	38.4	33.2	43.6
58	SOLANO	431,525	156.3	36.2	43.2	36.4	50.0

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

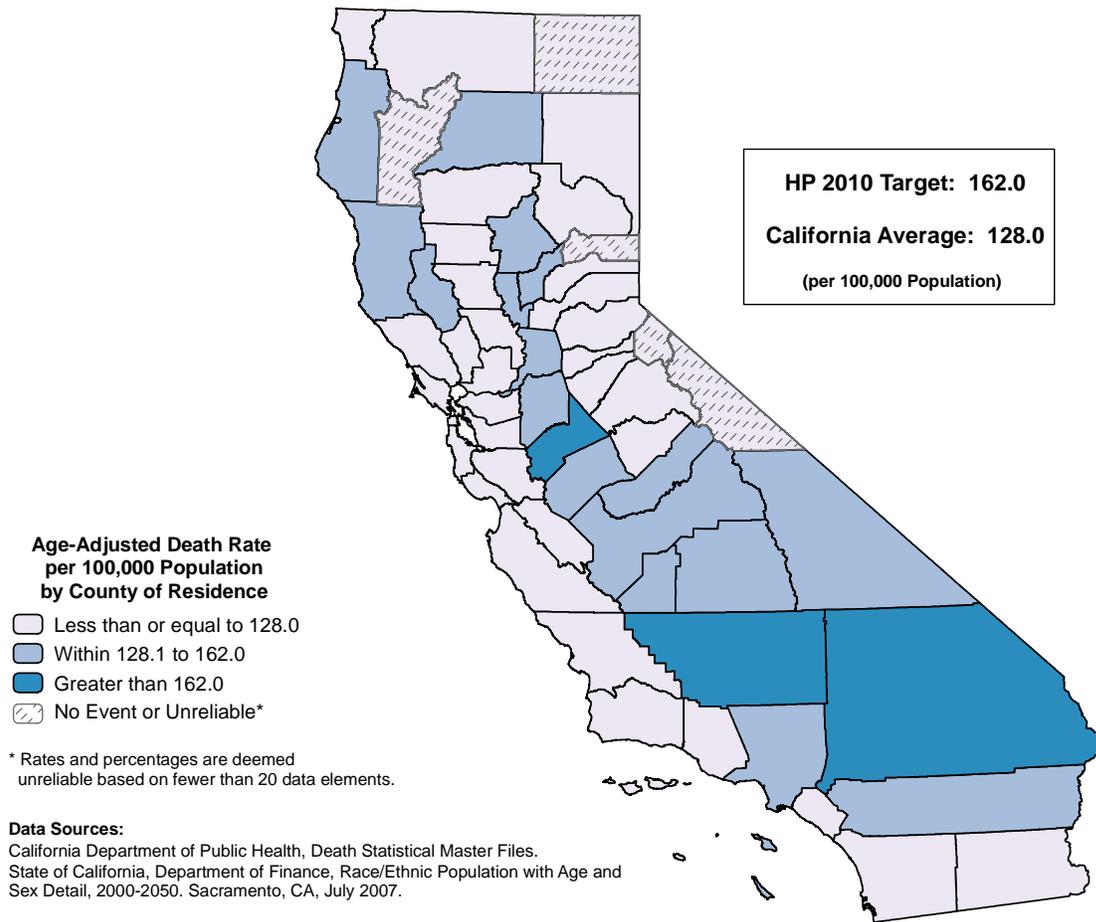
- Rates, percentages, and confidence limits are not calculated for zero events.

Notes: 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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO CORONARY HEART DISEASE, 2007-2009



The crude death rate from coronary heart disease for California was 119.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 834 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 45,872.7 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 245.5 in Inyo County to 60.3 in San Benito County, a factor of 4.1 to 1.

The age-adjusted death rate from coronary heart disease for California during the 2007 through 2009 three-year period was 128.0 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 183.2 in Kern County to 75.1 in Marin County.

Fifty counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2010 National Objective 12-1 of no more than 162.0 age-adjusted deaths due to coronary heart disease per 100,000 population. An additional five counties with unreliable rates met the objective.

**TABLE 9
DEATHS DUE TO CORONARY HEART DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

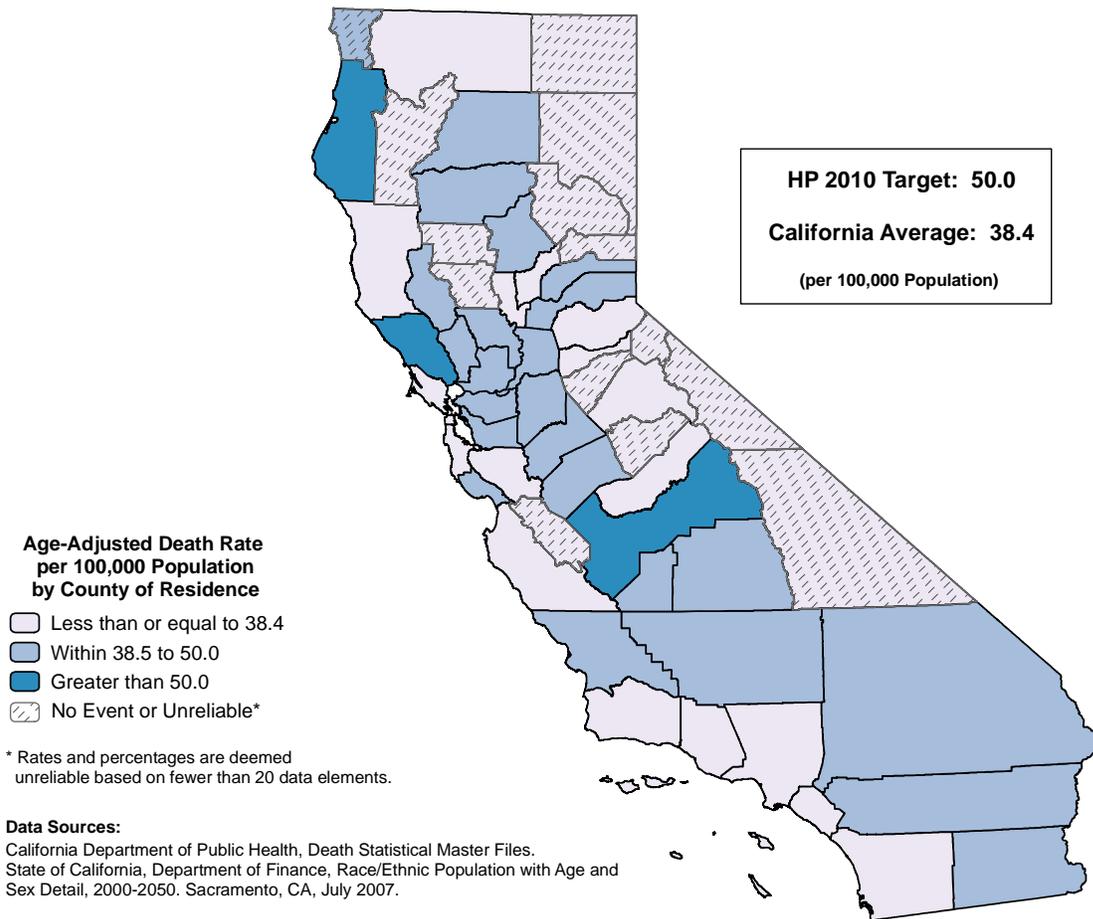
RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,351	5.0	34.8 *	37.3 *	12.1	87.0
2	ALPINE	1,344	0.7	49.6 *	64.1 *	0.3	478.8
3	MARIN	253,331	259.7	102.5	75.1	65.8	84.3
4	PLUMAS	21,668	26.0	120.0	75.3	49.2	110.3
5	SAN BENITO	60,768	36.7	60.3	80.8	56.8	111.5
6	TRINITY	14,844	18.0	121.3 *	84.7 *	50.2	133.9
7	MODOC	10,562	13.0	123.1 *	85.3 *	45.4	145.9
8	SAN LUIS OBISPO	266,205	320.7	120.5	89.6	79.8	99.5
9	SAN MATEO	731,633	765.3	104.6	92.3	85.6	98.9
10	SANTA CLARA	1,809,774	1,614.7	89.2	94.8	90.1	99.5
11	CONTRA COSTA	1,053,710	1,026.7	97.4	94.9	89.1	100.8
12	LASSEN	37,231	31.0	83.3	96.1	65.3	136.4
13	MONTEREY	427,571	399.0	93.3	99.7	89.9	109.6
14	NAPA	138,956	181.3	130.5	100.1	85.2	115.0
15	TUOLUMNE	58,156	96.7	166.2	100.2	81.2	122.3
16	YOLO	199,279	162.3	81.5	102.3	86.4	118.2
17	IMPERIAL	179,798	156.3	86.9	102.5	86.3	118.6
18	MARIPOSA	18,772	29.7	158.0	103.8	69.9	148.5
19	CALAVERAS	46,658	78.7	168.6	104.0	82.3	129.7
20	SAN FRANCISCO	810,078	1,074.0	132.6	106.2	99.8	112.7
21	EL DORADO	183,399	216.3	118.0	106.4	92.0	120.8
22	ALAMEDA	1,530,697	1,576.0	103.0	107.4	102.0	112.7
23	GLENN	29,943	35.3	118.0	107.9	75.3	149.8
24	SOLANO	431,525	416.3	96.5	108.7	98.1	119.3
25	AMADOR	39,404	64.7	164.1	110.1	84.9	140.5
26	PLACER	333,998	447.7	134.0	110.5	100.2	120.7
27	NEVADA	101,012	162.0	160.4	111.0	93.7	128.4
28	SISKIYOU	46,620	81.0	173.7	113.6	90.2	141.2
29	SANTA CRUZ	265,578	270.3	101.8	114.5	100.5	128.5
30	COLUSA	22,830	25.0	109.5	115.4	74.7	170.3
31	SAN DIEGO	3,138,382	3,466.7	110.5	115.6	111.7	119.5
32	SONOMA	487,575	626.3	128.5	115.7	106.5	125.0
33	SANTA BARBARA	427,016	565.7	132.5	117.1	107.3	126.9
34	SIERRA	3,657	7.7	209.6 *	117.6 *	49.7	234.9
35	DEL NORTE	30,297	38.3	126.5	118.2	83.8	162.0
36	TEHAMA	63,702	92.7	145.5	118.3	95.4	145.0
37	ORANGE	3,152,642	3,396.7	107.7	119.8	115.8	123.9
38	VENTURA	837,840	980.3	117.0	127.8	119.7	135.9
	CALIFORNIA	38,246,598	45,872.7	119.9	128.0	126.8	129.2
39	HUMBOLDT	133,266	193.0	144.8	135.1	115.8	154.3
40	SACRAMENTO	1,422,789	1,838.3	129.2	136.6	130.3	142.9
41	KINGS	157,572	129.3	82.1	136.7	112.7	160.6
42	MENDOCINO	91,794	156.3	170.3	139.4	117.3	161.6
43	TULARE	446,533	477.7	107.0	140.1	127.5	152.8
44	LOS ANGELES	10,385,372	13,350.3	128.5	140.3	137.9	142.7
45	MADERA	154,405	201.7	130.6	140.7	121.1	160.3
46	SHASTA	186,540	327.7	175.7	141.7	126.3	157.1
47	YUBA	76,556	89.7	117.1	142.5	114.5	175.2
48	FRESNO	946,353	1,067.7	112.8	142.5	133.9	151.1
49	BUTTE	223,572	406.0	181.6	143.7	129.6	157.9
50	INYO	19,007	46.7	245.5	145.7	106.9	193.9
51	LAKE	65,947	149.7	226.9	149.3	125.1	173.6
52	SUTTER	97,800	144.3	147.6	151.6	126.8	176.4
53	RIVERSIDE	2,119,618	2,932.7	138.4	155.7	150.0	161.3
54	MERCED	261,587	298.7	114.2	157.1	139.2	175.0
55	SAN JOAQUIN	706,857	957.0	135.4	161.8	151.5	172.1
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (12-1)				162.0		
56	SAN BERNARDINO	2,095,918	2,506.3	119.6	167.9	161.2	174.5
57	STANISLAUS	539,299	784.7	145.5	172.1	160.0	184.2
58	KERN	835,007	1,050.7	125.8	183.2	172.0	194.4

* 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: 2007-2009 Death Statistical Master Files.
State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE), 2007-2009



The crude death rate from cerebrovascular disease for California was 35.7 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,804 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 13,642.0 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 66.7 in Lake County to 26.2 in Kings County, a factor of 2.5 to 1.

The age-adjusted death rate from cerebrovascular disease for California during the 2007 through 2009 three-year period was 38.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 52.4 in Humboldt County to 27.4 in El Dorado County.

Forty-one counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2010 National Objective 12-7 of no more than 50.0 age-adjusted deaths due to cerebrovascular disease per 100,000 population. An additional thirteen counties with unreliable rates and one county with no cerebrovascular disease deaths met the objective.

**TABLE 10
DEATHS DUE TO CEREBROVASCULAR DISEASES (STROKE)
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,344	0.0	-	-	-	-
2	MONO	14,351	0.3	2.3 *	1.6 *	0.0	20.8
3	PLUMAS	21,668	6.7	30.8 *	20.6 *	8.0	43.1
4	CALAVERAS	46,658	18.0	38.6 *	23.3 *	13.8	36.8
5	COLUSA	22,830	5.0	21.9 *	24.0 *	7.8	55.9
6	INYO	19,007	8.0	42.1 *	25.9 *	11.2	51.0
7	SIERRA	3,657	1.7	45.6 *	26.2 *	2.3	105.0
8	TRINITY	14,844	5.7	38.2 *	26.9 *	9.5	59.8
9	EL DORADO	183,399	53.7	29.3	27.4	20.5	35.7
10	LASSEN	37,231	8.3	22.4 *	27.8 *	12.2	54.0
11	GLENN	29,943	9.7	32.3 *	28.6 *	13.5	53.1
12	SANTA CLARA	1,809,774	482.0	26.6	28.6	26.0	31.2
13	MODOC	10,562	4.7	44.2 *	29.2 *	9.0	70.0
14	MARIPOSA	18,772	8.0	42.6 *	29.4 *	12.7	57.9
15	SAN BENITO	60,768	14.3	23.6 *	31.7 *	17.5	52.8
16	MADERA	154,405	45.7	29.6	32.1	23.5	42.9
17	MARIN	253,331	113.0	44.6	33.0	26.8	39.2
18	SAN FRANCISCO	810,078	339.0	41.8	33.3	29.7	36.9
19	SAN MATEO	731,633	276.3	37.8	33.6	29.5	37.6
20	AMADOR	39,404	20.7	52.4	34.5	21.3	53.0
21	LOS ANGELES	10,385,372	3,301.3	31.8	35.0	33.8	36.2
22	TUOLUMNE	58,156	34.3	59.0	35.2	24.5	49.2
23	MONTEREY	427,571	141.7	33.1	35.5	29.7	41.4
24	MENDOCINO	91,794	40.0	43.6	36.8	26.3	50.1
25	ORANGE	3,152,642	1,042.0	33.1	37.1	34.8	39.4
26	SUTTER	97,800	35.0	35.8	37.1	25.9	51.6
27	SAN DIEGO	3,138,382	1,107.7	35.3	37.1	34.9	39.3
28	VENTURA	837,840	290.7	34.7	38.1	33.7	42.5
29	SANTA BARBARA	427,016	187.0	43.8	38.2	32.7	43.7
30	SISKIYOU	46,620	29.0	62.2	38.3	25.6	55.0
31	YUBA	76,556	23.7	30.9	38.3	24.5	57.2
	CALIFORNIA	38,246,598	13,642.0	35.7	38.4	37.8	39.0
32	SANTA CRUZ	265,578	89.3	33.6	38.9	31.2	47.8
33	ALAMEDA	1,530,697	576.7	37.7	39.7	36.4	42.9
34	NAPA	138,956	76.0	54.7	39.8	31.4	49.8
35	NEVADA	101,012	57.7	57.1	40.0	30.4	51.8
36	PLACER	333,998	167.0	50.0	41.3	35.0	47.6
37	IMPERIAL	179,798	63.3	35.2	42.1	32.3	53.8
38	SOLANO	431,525	159.7	37.0	42.2	35.6	48.8
39	CONTRA COSTA	1,053,710	452.0	42.9	42.7	38.7	46.7
40	RIVERSIDE	2,119,618	808.0	38.1	42.8	39.9	45.8
41	MERCED	261,587	81.0	31.0	43.0	34.1	53.4
42	SAN BERNARDINO	2,095,918	644.7	30.8	43.5	40.1	46.9
43	SACRAMENTO	1,422,789	579.0	40.7	43.5	40.0	47.1
44	YOLO	199,279	67.7	34.0	43.8	34.0	55.5
45	KINGS	157,572	41.3	26.2	44.1	31.7	59.7
46	LAKE	65,947	44.0	66.7	44.9	32.6	60.3
47	BUTTE	223,572	130.7	58.4	45.0	37.2	52.8
48	STANISLAUS	539,299	204.7	38.0	45.1	38.9	51.3
49	SAN JOAQUIN	706,857	267.3	37.8	45.1	39.7	50.5
50	KERN	835,007	261.7	31.3	45.5	40.0	51.1
51	SHASTA	186,540	106.3	57.0	47.0	38.0	55.9
52	SAN LUIS OBISPO	266,205	171.0	64.2	47.0	39.9	54.1
53	TULARE	446,533	161.3	36.1	47.0	39.7	54.4
54	DEL NORTE	30,297	15.0	49.5 *	48.0 *	26.8	79.1
55	TEHAMA	63,702	37.7	59.1	49.0	34.6	67.4
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (12-7)				50.0		
56	SONOMA	487,575	272.3	55.9	50.1	44.1	56.2
57	FRESNO	946,353	380.3	40.2	51.3	46.1	56.5
58	HUMBOLDT	133,266	73.3	55.0	52.4	41.1	65.8

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

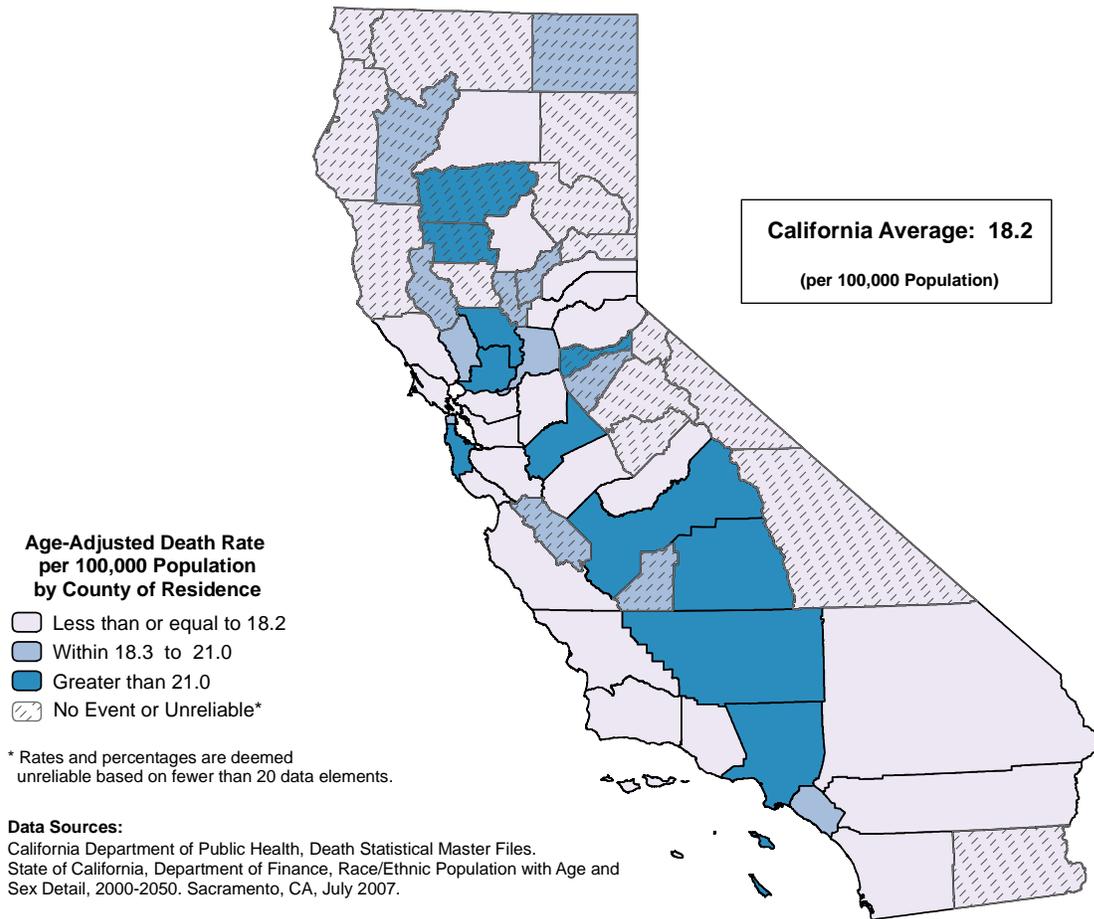
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO INFLUENZA/PNEUMONIA, 2007-2009



The crude death rate from influenza/pneumonia for California was 16.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 5,900 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 6,482.7 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 26.6 in Napa County to 10.1 in San Diego County, a factor of 2.6 to 1.

The age-adjusted death rate from influenza/pneumonia for California during the 2007 through 2009 three-year period was 18.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 28.1 in Yolo County to 10.5 in San Diego County.

A Healthy People 2010 National Objective for deaths due to influenza/pneumonia has not been established.

**TABLE 11
DEATHS DUE TO INFLUENZA/PNEUMONIA
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:						NONE	
1	MONO	14,351	0.0	-	-	-	-
2	SIERRA	3,657	0.0	-	-	-	-
3	ALPINE	1,344	0.0	-	-	-	-
4	LASSEN	37,231	1.7	4.5 *	5.0 *	0.4	20.2
5	COLUSA	22,830	2.0	8.8 *	9.4 *	1.1	33.9
6	INYO	19,007	3.3	17.5 *	10.1 *	2.3	28.2
7	PLUMAS	21,668	3.7	16.9 *	10.4 *	2.6	27.7
8	SAN DIEGO	3,138,382	317.3	10.1	10.5	9.3	11.6
9	MONTEREY	427,571	44.3	10.4	11.0	8.0	14.8
10	EL DORADO	183,399	23.0	12.5	11.7	7.4	17.5
11	SAN LUIS OBISPO	266,205	41.3	15.5	11.7	8.4	15.9
12	IMPERIAL	179,798	18.3	10.2 *	11.9 *	7.1	18.7
13	PLACER	333,998	49.0	14.7	12.1	8.9	16.0
14	SANTA BARBARA	427,016	61.0	14.3	12.6	9.6	16.1
15	VENTURA	837,840	99.0	11.8	12.9	10.5	15.8
16	HUMBOLDT	133,266	19.0	14.3 *	13.1 *	7.9	20.4
17	MARIN	253,331	48.3	19.1	13.6	10.1	18.0
18	MARIPOSA	18,772	4.0	21.3 *	14.1 *	3.8	36.1
19	RIVERSIDE	2,119,618	269.3	12.7	14.2	12.5	15.9
20	DEL NORTE	30,297	4.7	15.4 *	14.5 *	4.5	34.7
21	CONTRA COSTA	1,053,710	153.7	14.6	14.5	12.2	16.8
22	SANTA CRUZ	265,578	35.0	13.2	14.6	10.1	20.3
23	MENDOCINO	91,794	16.7	18.2 *	14.8 *	8.6	23.8
24	NEVADA	101,012	21.3	21.1	14.8	9.2	22.6
25	SISKIYOU	46,620	10.7	22.9 *	15.2 *	7.5	27.3
26	BUTTE	223,572	44.0	19.7	15.3	11.1	20.5
27	SAN BERNARDINO	2,095,918	229.3	10.9	15.4	13.4	17.4
28	ALAMEDA	1,530,697	233.3	15.2	15.9	13.8	17.9
29	SONOMA	487,575	88.3	18.1	16.1	12.9	19.8
30	MERCED	261,587	31.0	11.9	16.1	11.0	22.9
31	SAN JOAQUIN	706,857	96.3	13.6	16.2	13.1	19.8
32	SHASTA	186,540	37.3	20.0	16.4	11.6	22.6
33	SANTA CLARA	1,809,774	277.7	15.3	16.5	14.5	18.4
34	MADERA	154,405	24.7	16.0	17.4	11.2	25.8
35	TUOLUMNE	58,156	16.0	27.5 *	17.8 *	10.2	28.9
CALIFORNIA		38,246,598	6,482.7	16.9	18.2	17.7	18.6
36	MODOC	10,562	3.0	28.4 *	18.4 *	3.8	53.8
37	CALAVERAS	46,658	14.3	30.7 *	18.8 *	10.4	31.3
38	NAPA	138,956	37.0	26.6	18.9	13.3	26.1
39	ORANGE	3,152,642	532.0	16.9	19.0	17.4	20.7
40	SAN FRANCISCO	810,078	202.7	25.0	19.2	16.5	21.9
41	KINGS	157,572	18.3	11.6 *	19.3 *	11.5	30.4
42	LAKE	65,947	18.7	28.3 *	19.7 *	11.8	31.0
43	SUTTER	97,800	18.7	19.1 *	19.8 *	11.9	31.1
44	YUBA	76,556	12.3	16.1 *	19.9 *	10.4	34.5
45	SAN BENITO	60,768	9.0	14.8 *	20.0 *	9.1	37.9
46	TRINITY	14,844	4.3	29.2 *	20.7 *	6.0	51.2
47	SACRAMENTO	1,422,789	279.3	19.6	21.0	18.5	23.5
48	STANISLAUS	539,299	98.0	18.2	21.5	17.4	26.2
49	GLENN	29,943	7.0	23.4 *	21.7 *	8.7	44.7
50	TEHAMA	63,702	17.3	27.2 *	21.8 *	12.8	34.7
51	TULARE	446,533	78.0	17.5	22.4	17.7	27.9
52	LOS ANGELES	10,385,372	2,148.0	20.7	22.9	21.9	23.9
53	KERN	835,007	134.0	16.0	23.0	19.1	27.0
54	SAN MATEO	731,633	192.3	26.3	23.1	19.8	26.4
55	SOLANO	431,525	88.7	20.5	23.7	19.0	29.2
56	FRESNO	946,353	185.7	19.6	24.5	20.9	28.0
57	AMADOR	39,404	14.7	37.2 *	25.1 *	13.9	41.6
58	YOLO	199,279	44.7	22.4	28.1	20.5	37.6

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

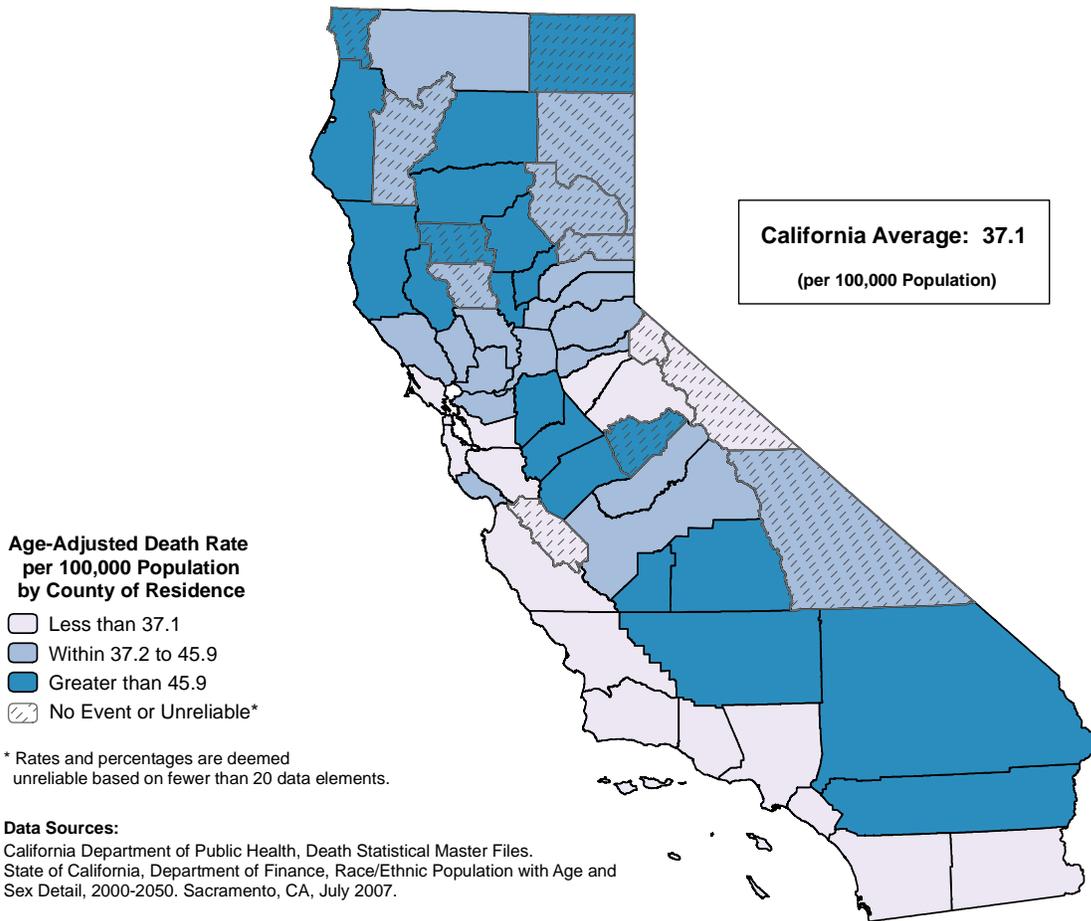
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO CHRONIC LOWER RESPIRATORY DISEASE, 2007-2009



The crude death rate from chronic lower respiratory disease deaths for California was 33.8 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,961 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 12,916.0 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 87.9 in Lake County to 21.9 in Imperial County, a factor of 4.0 to 1.

The age-adjusted death rate from chronic lower respiratory disease deaths for California during the 2007 through 2009 three-year period was 37.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 71.9 in Kern County to 22.4 in San Francisco County.

A Healthy People 2010 National Objective for deaths due to chronic lower respiratory disease has not been established.

TABLE 12
DEATHS DUE TO CHRONIC LOWER RESPIRATORY DISEASES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE			
1	MONO	14,351	0.0	-	-	-	-
2	ALPINE	1,344	0.0	-	-	-	-
3	SAN FRANCISCO	810,078	220.0	27.2	22.4	19.4	25.4
4	MARIN	253,331	84.3	33.3	25.1	20.0	31.0
5	SANTA CLARA	1,809,774	416.7	23.0	25.2	22.7	27.6
6	IMPERIAL	179,798	39.3	21.9	25.7	18.3	35.0
7	SAN MATEO	731,633	226.0	30.9	28.5	24.7	32.3
8	MONTEREY	427,571	117.7	27.5	30.2	24.7	35.7
9	ALAMEDA	1,530,697	426.7	27.9	30.3	27.4	33.2
10	SAN BENITO	60,768	13.3	21.9 *	30.4 *	16.3	51.6
11	SANTA BARBARA	427,016	150.3	35.2	31.7	26.6	36.8
12	LOS ANGELES	10,385,372	2,957.7	28.5	32.0	30.8	33.1
13	TUOLUMNE	58,156	32.0	55.0	32.7	22.3	46.1
14	ORANGE	3,152,642	900.3	28.6	32.9	30.8	35.1
15	SAN LUIS OBISPO	266,205	119.3	44.8	34.3	28.1	40.5
16	SAN DIEGO	3,138,382	1,006.3	32.1	34.8	32.6	36.9
17	CALAVERAS	46,658	28.3	60.7	36.2	24.1	52.2
18	VENTURA	837,840	277.3	33.1	36.9	32.5	41.3
	CALIFORNIA	38,246,598	12,916.0	33.8	37.1	36.4	37.7
19	NAPA	138,956	66.7	48.0	37.5	29.0	47.6
20	PLACER	333,998	152.3	45.6	38.3	32.2	44.4
21	SIERRA	3,657	2.3	63.8 *	38.4 *	5.8	127.4
22	CONTRA COSTA	1,053,710	399.0	37.9	38.4	34.6	42.2
23	EL DORADO	183,399	78.3	42.7	38.6	30.5	48.1
24	SACRAMENTO	1,422,789	511.0	35.9	39.1	35.7	42.5
25	SANTA CRUZ	265,578	84.7	31.9	39.1	31.2	48.4
26	NEVADA	101,012	57.0	56.4	39.2	29.7	50.8
27	SOLANO	431,525	148.0	34.3	39.6	33.1	46.1
28	MADERA	154,405	57.7	37.3	40.5	30.7	52.4
29	FRESNO	946,353	303.7	32.1	41.3	36.6	46.0
30	SONOMA	487,575	214.0	43.9	41.4	35.7	47.0
31	AMADOR	39,404	26.7	67.7	43.0	28.3	62.8
32	PLUMAS	21,668	15.0	69.2 *	43.1 *	24.1	71.1
33	TRINITY	14,844	9.7	65.1 *	43.8 *	20.7	81.3
34	COLUSA	22,830	9.3	40.9 *	44.8 *	20.8	84.1
35	LASSEN	37,231	13.7	36.7 *	45.4 *	24.6	76.7
36	INYO	19,007	14.3	75.4 *	45.4 *	25.0	75.8
37	SISKIYOU	46,620	33.0	70.8	45.6	31.4	64.0
38	YOLO	199,279	71.0	35.6	45.7	35.7	57.6
39	GLENN	29,943	15.0	50.1 *	46.0 *	25.8	75.9
40	MENDOCINO	91,794	51.3	55.9	46.5	34.6	61.1
41	STANISLAUS	539,299	209.7	38.9	46.8	40.4	53.2
42	SAN JOAQUIN	706,857	272.7	38.6	46.8	41.2	52.4
43	MERCED	261,587	88.7	33.9	47.2	37.9	58.1
44	TULARE	446,533	161.0	36.1	47.7	40.3	55.1
45	SUTTER	97,800	46.3	47.4	48.6	35.6	64.8
46	MARIPOSA	18,772	14.7	78.1 *	50.4 *	28.0	83.6
47	RIVERSIDE	2,119,618	933.0	44.0	50.5	47.2	53.7
48	KINGS	157,572	48.7	30.9	51.4	38.0	68.0
49	MODOC	10,562	8.0	75.7 *	51.9 *	22.4	102.3
50	SAN BERNARDINO	2,095,918	793.7	37.9	54.2	50.4	58.0
51	YUBA	76,556	34.3	44.8	55.0	38.1	76.7
52	LAKE	65,947	58.0	87.9	56.0	42.5	72.4
53	BUTTE	223,572	164.0	73.4	60.5	51.2	69.9
54	HUMBOLDT	133,266	85.7	64.3	61.4	49.1	75.9
55	DEL NORTE	30,297	19.7	64.9 *	62.3 *	37.9	96.6
56	TEHAMA	63,702	53.3	83.7	67.9	50.9	88.7
57	SHASTA	186,540	159.7	85.6	69.2	58.5	80.0
58	KERN	835,007	415.7	49.8	71.9	64.9	78.9

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

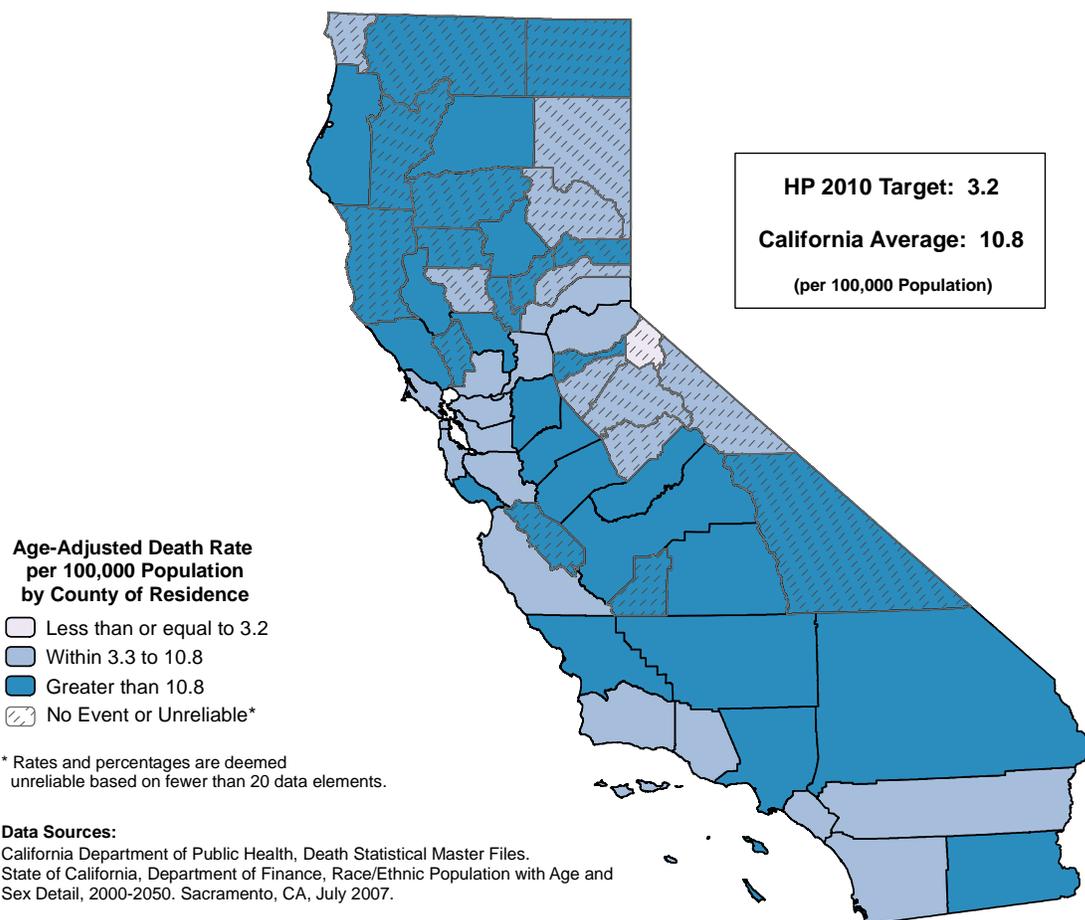
- Rates, percentages, and confidence limits are not calculated for zero events.

Notes: Counties were ranked 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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS, 2007-2009



The crude death rate from chronic liver disease and cirrhosis for California was 10.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 9,216 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 4,150.0 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 31.8 in Lake County to 8.2 in Placer County, a factor of 3.9 to 1.

The age-adjusted death rate from chronic liver disease and cirrhosis for California during the 2007 through 2009 three-year period was 10.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 22.3 in Lake County to 7.0 in Placer County.

One county with no chronic liver disease and cirrhosis deaths met the Healthy People 2010 National Objective 26-2 of no more than 3.2 age-adjusted deaths due to chronic liver disease and cirrhosis per 100,000 population. The statewide age-adjusted death rate for chronic liver disease and cirrhosis did not meet the national objective.

**TABLE 13
DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

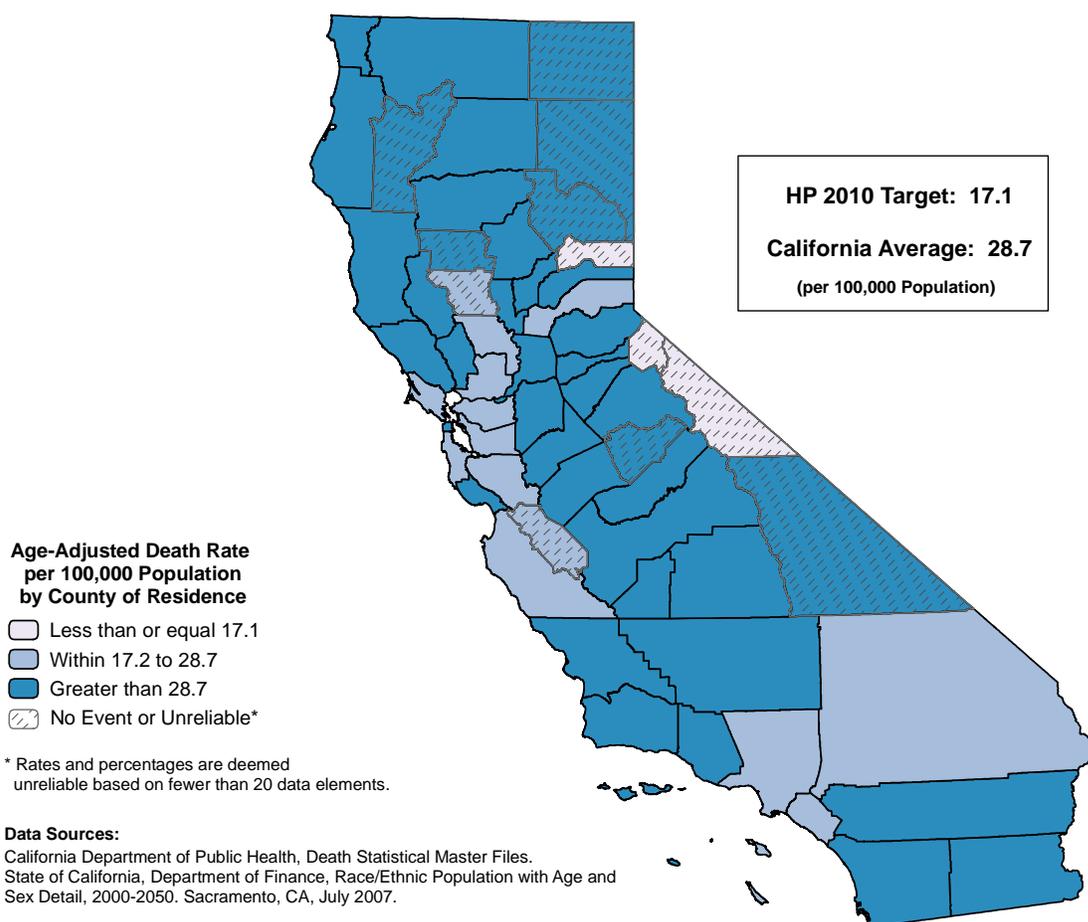
RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,344	0.0	-	-	-	-
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (26-2)					3.2		
2	COLUSA	22,830	1.3	5.8 *	6.2 *	0.3	28.6
3	PLACER	333,998	27.3	8.2	7.0	4.7	10.2
4	LASSEN	37,231	3.0	8.1 *	7.2 *	1.5	21.0
5	MARIPOSA	18,772	2.3	12.4 *	7.4 *	1.1	24.7
6	MONO	14,351	1.0	7.0 *	7.5 *	0.2	41.6
7	NEVADA	101,012	12.0	11.9 *	7.8 *	4.0	13.6
8	MARIN	253,331	25.3	10.0	7.8	5.1	11.5
9	SAN FRANCISCO	810,078	75.0	9.3	8.2	6.4	10.2
10	PLUMAS	21,668	2.3	10.8 *	8.2 *	1.3	27.4
11	SOLANO	431,525	38.0	8.8	8.4	5.9	11.5
12	SANTA CLARA	1,809,774	160.3	8.9	8.4	7.1	9.8
13	DEL NORTE	30,297	2.7	8.8 *	8.6 *	1.5	26.5
14	CONTRA COSTA	1,053,710	102.7	9.7	8.8	7.1	10.5
15	EL DORADO	183,399	21.3	11.6	8.8	5.5	13.5
16	ALAMEDA	1,530,697	144.0	9.4	8.9	7.4	10.4
17	CALAVERAS	46,658	7.3	15.7 *	9.2 *	3.8	18.6
18	ORANGE	3,152,642	292.0	9.3	9.4	8.3	10.4
19	VENTURA	837,840	81.3	9.7	9.4	7.5	11.7
20	MONTEREY	427,571	39.7	9.3	9.8	7.0	13.3
21	SAN DIEGO	3,138,382	318.7	10.2	10.0	8.9	11.2
22	SAN MATEO	731,633	84.0	11.5	10.3	8.2	12.7
23	SANTA BARBARA	427,016	47.3	11.1	10.6	7.8	14.1
24	RIVERSIDE	2,119,618	207.7	9.8	10.7	9.2	12.1
25	SACRAMENTO	1,422,789	157.3	11.1	10.8	9.1	12.5
26	TUOLUMNE	58,156	9.0	15.5 *	10.8 *	5.0	20.6
CALIFORNIA		38,246,598	4,150.0	10.9	10.8	10.5	11.1
27	SAN LUIS OBISPO	266,205	34.0	12.8	11.0	7.6	15.3
28	SONOMA	487,575	60.7	12.4	11.0	8.4	14.1
29	NAPA	138,956	16.7	12.0 *	11.0 *	6.4	17.7
30	YOLO	199,279	20.0	10.0	11.1	6.8	17.1
31	LOS ANGELES	10,385,372	1,170.0	11.3	11.4	10.7	12.1
32	KINGS	157,572	14.3	9.1 *	11.4 *	6.3	19.1
33	GLENN	29,943	3.7	12.2 *	11.8 *	3.0	31.3
34	MERCED	261,587	26.3	10.1	12.3	8.0	17.9
35	SAN BERNARDINO	2,095,918	224.7	10.7	12.4	10.7	14.0
36	STANISLAUS	539,299	61.0	11.3	12.6	9.6	16.1
37	KERN	835,007	90.0	10.8	12.8	10.3	15.8
38	FRESNO	946,353	104.7	11.1	12.9	10.4	15.4
39	MADERA	154,405	20.3	13.2	13.1	8.1	20.2
40	SANTA CRUZ	265,578	38.0	14.3	13.2	9.3	18.1
41	BUTTE	223,572	31.7	14.2	13.2	9.0	18.7
42	IMPERIAL	179,798	22.7	12.6	13.6	8.6	20.5
43	SUTTER	97,800	12.7	13.0 *	13.7 *	7.2	23.5
44	SAN BENITO	60,768	8.7	14.3 *	15.1 *	6.8	29.0
45	MENDOCINO	91,794	16.7	18.2 *	15.2 *	8.8	24.4
46	SHASTA	186,540	35.3	18.9	15.3	10.7	21.3
47	TULARE	446,533	61.3	13.7	16.2	12.4	20.8
48	HUMBOLDT	133,266	25.0	18.8	16.5	10.7	24.4
49	AMADOR	39,404	9.0	22.8 *	16.5 *	7.6	31.4
50	MODOC	10,562	2.0	18.9 *	16.7 *	2.0	60.3
51	SAN JOAQUIN	706,857	107.3	15.2	17.1	13.9	20.4
52	YUBA	76,556	12.0	15.7 *	17.5 *	9.0	30.5
53	TRINITY	14,844	3.3	22.5 *	18.9 *	4.3	52.4
54	TEHAMA	63,702	13.7	21.5 *	19.4 *	10.5	32.7
55	SIERRA	3,657	0.7	18.2 *	20.4 *	0.1	152.5
56	LAKE	65,947	21.0	31.8	22.3	13.8	34.0
57	SISKIYOU	46,620	13.3	28.6 *	23.7 *	12.8	40.3
58	INYO	19,007	6.3	33.3 *	27.0 *	10.3	57.7

* 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: 2007-2009 Death Statistical Master Files.
State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES), 2007-2009



The crude death rate from accidents (unintentional injuries) for California was 28.5 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 3,509 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 10,900.3 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 76.3 in Lake County to 21.0 in Los Angeles County, a factor of 3.6 to 1.

The age-adjusted death rate from accidents for California during the 2007 through 2009 three-year period was 28.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 70.2 in Humboldt County to 20.6 in Marin County.

No county with a reliable age-adjusted death rate met the Healthy People 2010 National Objective 15-13 of no more than 17.1 age-adjusted deaths due to accidents per 100,000 population. Two counties with unreliable rates and one county with no accidental deaths met the objective. The statewide age-adjusted death rate for accidents did not meet the national objective.

**TABLE 14
DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES)
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

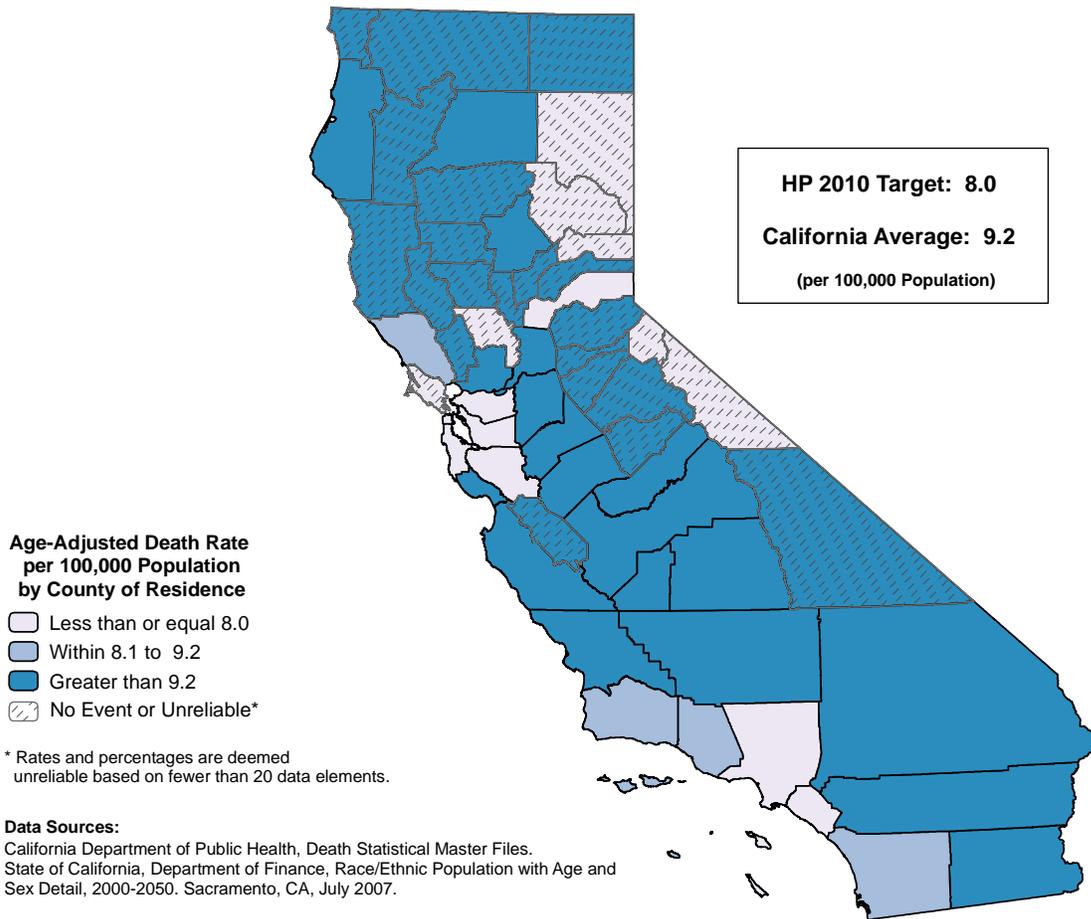
RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,344	0.0	-	-	-	-
2	SIERRA	3,657	0.7	18.2 *	9.5 *	0.0	71.3
3	MONO	14,351	2.3	16.3 *	12.7 *	1.9	42.3
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-13)					17.1		
4	MARIN	253,331	61.7	24.3	20.6	15.8	26.4
5	LOS ANGELES	10,385,372	2,177.7	21.0	21.3	20.4	22.2
6	SAN MATEO	731,633	172.0	23.5	21.7	18.4	25.0
7	SANTA CLARA	1,809,774	404.3	22.3	22.7	20.4	24.9
8	ORANGE	3,152,642	716.0	22.7	23.0	21.3	24.7
9	SAN BENITO	60,768	12.7	20.8 *	23.3 *	12.3	40.2
10	ALAMEDA	1,530,697	395.7	25.8	25.3	22.8	27.9
11	YOLO	199,279	48.3	24.3	26.3	19.4	34.9
12	CONTRA COSTA	1,053,710	286.7	27.2	26.5	23.4	29.6
13	SAN BERNARDINO	2,095,918	524.0	25.0	27.1	24.7	29.4
14	MONTEREY	427,571	112.3	26.3	27.3	22.2	32.4
15	COLUSA	22,830	6.3	27.7 *	27.3 *	10.4	58.3
16	PLACER	333,998	95.3	28.5	27.5	22.3	33.6
17	SOLANO	431,525	119.3	27.7	28.4	23.3	33.6
CALIFORNIA		38,246,598	10,900.3	28.5	28.7	28.2	29.2
18	NAPA	138,956	45.3	32.6	29.3	21.4	39.1
19	VENTURA	837,840	246.0	29.4	29.9	26.1	33.7
20	SAN DIEGO	3,138,382	958.7	30.5	30.3	28.4	32.3
21	INYO	19,007	6.0	31.6 *	30.9 *	11.3	67.3
22	SONOMA	487,575	159.7	32.7	31.3	26.3	36.2
23	SANTA BARBARA	427,016	142.3	33.3	31.8	26.5	37.1
24	SANTA CRUZ	265,578	87.3	32.9	32.5	26.0	40.1
25	IMPERIAL	179,798	59.0	32.8	32.5	24.6	42.2
26	RIVERSIDE	2,119,618	688.0	32.5	33.7	31.1	36.2
27	SAN FRANCISCO	810,078	325.0	40.1	35.0	31.0	39.0
28	SACRAMENTO	1,422,789	502.7	35.3	35.4	32.3	38.6
29	SAN LUIS OBISPO	266,205	102.3	38.4	35.6	28.5	42.8
30	NEVADA	101,012	41.7	41.2	36.7	26.4	49.7
31	TULARE	446,533	156.3	35.0	37.9	31.8	44.0
32	LASSEN	37,231	15.7	42.1 *	40.2 *	22.8	65.6
33	FRESNO	946,353	351.3	37.1	40.3	36.0	44.6
34	KINGS	157,572	57.0	36.2	40.4	30.6	52.4
35	STANISLAUS	539,299	203.0	37.6	40.6	35.0	46.3
36	MERCED	261,587	96.3	36.8	40.9	33.1	49.9
37	SUTTER	97,800	37.7	38.5	41.0	28.9	56.4
38	MADERA	154,405	62.0	40.2	41.5	31.8	53.2
39	SAN JOAQUIN	706,857	271.0	38.3	42.2	37.1	47.3
40	PLUMAS	21,668	10.0	46.2 *	42.7 *	20.5	78.6
41	EL DORADO	183,399	81.7	44.5	43.1	34.2	53.5
42	TEHAMA	63,702	30.3	47.6	45.3	30.7	64.6
43	KERN	835,007	348.0	41.7	45.7	40.8	50.6
44	MARIPOSA	18,772	11.0	58.6 *	47.0 *	23.5	84.1
45	AMADOR	39,404	24.3	61.8	52.5	33.8	78.0
46	CALAVERAS	46,658	27.7	59.3	53.1	35.2	76.9
47	MENDOCINO	91,794	51.7	56.3	53.3	39.7	70.1
48	TUOLUMNE	58,156	37.0	63.6	53.9	37.9	74.3
49	GLENN	29,943	16.3	54.5 *	54.7 *	31.5	88.3
50	BUTTE	223,572	133.7	59.8	56.7	46.8	66.6
51	YUBA	76,556	40.3	52.7	57.4	41.0	78.0
52	SISKIYOU	46,620	32.3	69.4	59.5	40.8	83.8
53	SHASTA	186,540	120.0	64.3	61.0	49.7	72.3
54	TRINITY	14,844	10.0	67.4 *	63.2 *	30.3	116.2
55	LAKE	65,947	50.3	76.3	65.7	48.8	86.6
56	DEL NORTE	30,297	22.0	72.6	69.8	43.7	105.6
57	HUMBOLDT	133,266	97.0	72.8	70.2	56.9	85.6
58	MODOC	10,562	7.0	66.3 *	76.4 *	30.7	157.4

* 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: 2007-2009 Death Statistical Master Files.
State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO MOTOR VEHICLE TRAFFIC CRASHES, 2007-2009



The crude death rate from motor vehicle traffic crashes for California was 9.2 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 10,880 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 3515.3 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 22.7 in Madera County to 4.9 in San Francisco County, a factor of 4.6 to 1.

The age-adjusted death rate from motor vehicle traffic crashes for California during the 2007 through 2009 three-year period was 9.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 23.4 in Madera County to 4.8 in San Francisco County.

Eight counties with reliable age-adjusted death rates met the Healthy People 2010 National Objective 15-15a of no more than 8.0 age-adjusted deaths due to motor vehicle traffic crashes per 100,000 population. An additional six counties with unreliable rates and one county with no motor vehicle traffic crash deaths met the objective. The statewide age-adjusted death rate for motor vehicle traffic deaths did not meet the national objective.

TABLE 15
DEATHS DUE TO MOTOR VEHICLE TRAFFIC CRASHES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,344	0.0	-	-	-	-
2	MARIN	253,331	10.7	4.2 *	4.0 *	2.0	7.3
3	MONO	14,351	0.7	4.6 *	4.0 *	0.0	30.1
4	SIERRA	3,657	0.3	9.1 *	4.6 *	0.0	59.6
5	SAN FRANCISCO	810,078	40.0	4.9	4.8	3.4	6.5
6	SAN MATEO	731,633	40.0	5.5	5.5	3.9	7.4
7	ALAMEDA	1,530,697	92.7	6.1	6.1	4.9	7.4
8	ORANGE	3,152,642	193.0	6.1	6.1	5.2	7.0
9	SANTA CLARA	1,809,774	109.0	6.0	6.2	5.0	7.4
10	PLACER	333,998	22.3	6.7	6.6	4.2	10.0
11	PLUMAS	21,668	1.7	7.7 *	7.4 *	0.7	29.8
12	CONTRA COSTA	1,053,710	80.0	7.6	7.5	5.9	9.3
13	LOS ANGELES	10,385,372	773.7	7.4	7.5	7.0	8.1
14	YOLO	199,279	15.7	7.9 *	7.7 *	4.4	12.5
15	LASSEN	37,231	3.3	9.0 *	7.8 *	1.8	21.6
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-15a)					8.0		
16	SAN DIEGO	3,138,382	273.3	8.7	8.7	7.6	9.7
17	SANTA BARBARA	427,016	39.0	9.1	9.0	6.4	12.3
18	VENTURA	837,840	76.3	9.1	9.0	7.1	11.3
19	SONOMA	487,575	45.0	9.2	9.2	6.7	12.4
CALIFORNIA		38,246,598	3,515.3	9.2	9.2	8.9	9.5
20	SACRAMENTO	1,422,789	132.3	9.3	9.3	7.7	10.9
21	NAPA	138,956	13.0	9.4 *	9.3 *	5.0	15.9
22	MONTEREY	427,571	39.7	9.3	9.4	6.7	12.8
23	EL DORADO	183,399	17.7	9.6 *	9.4 *	5.5	14.9
24	SANTA CRUZ	265,578	26.7	10.0	9.5	6.2	13.9
25	SOLANO	431,525	43.7	10.1	10.1	7.3	13.6
26	SAN LUIS OBISPO	266,205	30.3	11.4	10.3	7.0	14.7
27	SAN BENITO	60,768	6.0	9.9 *	10.6 *	3.9	23.0
28	INYO	19,007	2.0	10.5 *	11.4 *	1.4	41.2
29	RIVERSIDE	2,119,618	261.0	12.3	12.2	10.7	13.7
30	NEVADA	101,012	13.3	13.2 *	12.2 *	6.6	20.8
31	SAN BERNARDINO	2,095,918	261.0	12.5	12.5	10.9	14.0
32	STANISLAUS	539,299	65.3	12.1	12.7	9.8	16.2
33	SAN JOAQUIN	706,857	86.0	12.2	12.7	10.2	15.7
34	SHASTA	186,540	25.0	13.4	12.8	8.3	18.8
35	TUOLUMNE	58,156	8.0	13.8 *	12.8 *	5.5	25.3
36	IMPERIAL	179,798	23.7	13.2	13.3	8.5	19.9
37	MODOC	10,562	1.3	12.6 *	14.2 *	0.8	65.5
38	BUTTE	223,572	34.7	15.5	14.8	10.3	20.7
39	COLUSA	22,830	3.3	14.6 *	14.9 *	3.4	41.3
40	FRESNO	946,353	142.7	15.1	15.3	12.8	17.9
41	MERCED	261,587	40.7	15.5	16.1	11.6	21.9
42	TEHAMA	63,702	10.7	16.7 *	16.2 *	8.0	29.2
43	GLENN	29,943	4.7	15.6 *	16.4 *	5.1	39.3
44	YUBA	76,556	12.3	16.1 *	16.8 *	8.8	29.2
45	HUMBOLDT	133,266	24.0	18.0	17.2	11.0	25.6
46	TULARE	446,533	75.3	16.9	17.2	13.6	21.6
47	KERN	835,007	137.7	16.5	17.3	14.3	20.2
48	KINGS	157,572	27.0	17.1	17.6	11.6	25.6
49	MENDOCINO	91,794	17.3	18.9 *	18.6 *	10.9	29.7
50	SUTTER	97,800	17.0	17.4 *	18.7 *	10.9	29.9
51	AMADOR	39,404	7.7	19.5 *	18.7 *	7.9	37.4
52	TRINITY	14,844	3.0	20.2 *	19.3 *	4.0	56.5
53	SISKIYOU	46,620	9.3	20.0 *	19.3 *	9.0	36.3
54	LAKE	65,947	15.3	23.3 *	20.9 *	11.8	34.3
55	MARIPOSA	18,772	4.3	23.1 *	20.9 *	6.1	51.8
56	MADERA	154,405	35.0	22.7	23.4	16.3	32.6
57	DEL NORTE	30,297	8.7	28.6 *	25.1 *	11.3	48.3
58	CALAVERAS	46,658	12.0	25.7 *	26.0 *	13.5	45.5

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

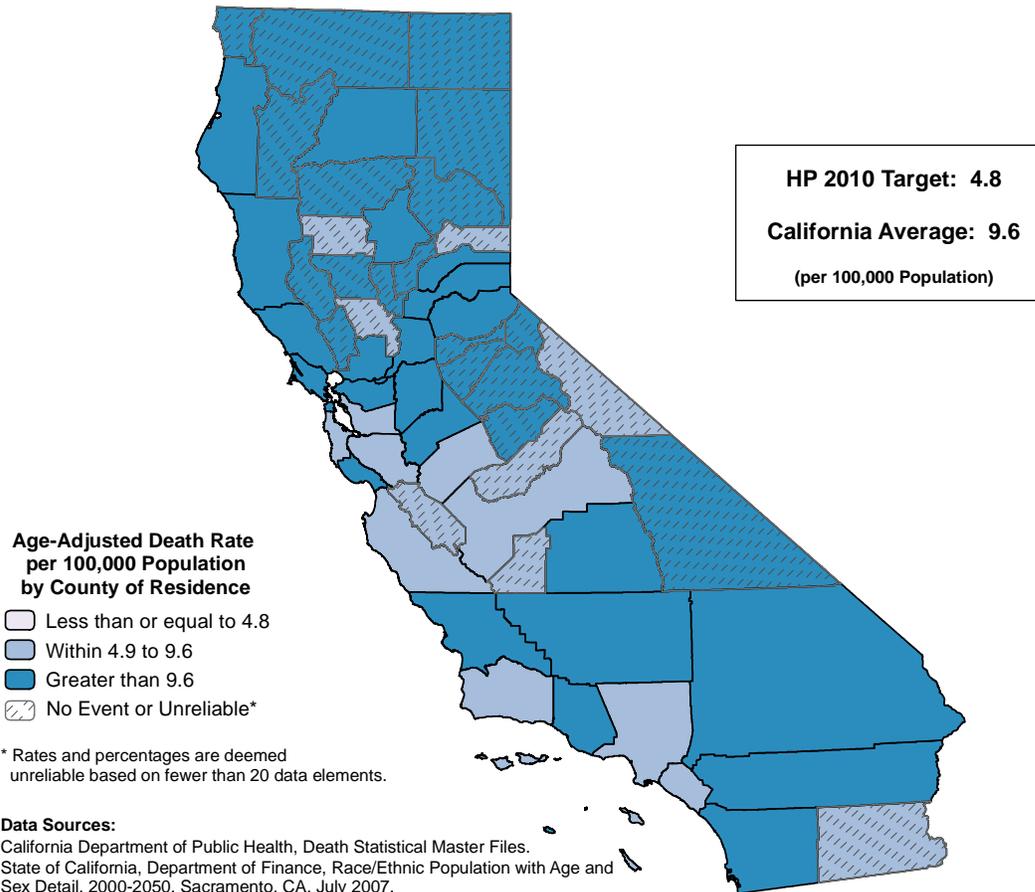
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO SUICIDE, 2007-2009



The crude death rate from suicide for California was 9.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 10,401 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 3,677.3 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 24.7 in Mendocino County to 7.2 in Los Angeles County, a factor of 3.4 to 1.

The age-adjusted death rate from suicide for California during the 2007 through 2009 three-year period was 9.6 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 23.7 in Mendocino County to 7.2 in Los Angeles County.

No county met the Healthy People 2010 National Objective 18-1 of no more than 4.8 age-adjusted deaths due to suicide per 100,000 population. The statewide age-adjusted death rate for suicide did not meet the national objective.

**TABLE 16
DEATHS DUE TO SUICIDE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (18-1)					4.8		
1	MONO	14,351	0.7	4.6 *	4.9 *	0.0	36.6
2	SIERRA	3,657	0.3	9.1 *	5.0 *	0.0	65.3
3	IMPERIAL	179,798	10.0	5.6 *	6.0 *	2.9	11.0
4	GLENN	29,943	2.0	6.7 *	6.8 *	0.8	24.7
5	LOS ANGELES	10,385,372	748.3	7.2	7.2	6.7	7.8
6	SANTA CLARA	1,809,774	149.3	8.3	8.1	6.8	9.4
7	SAN BENITO	60,768	4.3	7.1 *	8.4 *	2.5	20.9
8	FRESNO	946,353	74.7	7.9	8.5	6.7	10.6
9	ORANGE	3,152,642	271.0	8.6	8.6	7.5	9.6
10	ALAMEDA	1,530,697	137.0	9.0	8.6	7.2	10.1
11	SAN MATEO	731,633	67.7	9.2	8.7	6.8	11.0
12	MERCED	261,587	20.3	7.8	8.7	5.3	13.4
13	KINGS	157,572	12.7	8.0 *	8.8 *	4.6	15.1
14	MADERA	154,405	13.3	8.6 *	9.0 *	4.9	15.3
15	SANTA BARBARA	427,016	41.0	9.6	9.3	6.7	12.6
16	MONTEREY	427,571	39.3	9.2	9.5	6.8	13.0
17	YOLO	199,279	19.0	9.5 *	9.6 *	5.8	15.0
CALIFORNIA		38,246,598	3,677.3	9.6	9.6	9.3	9.9
18	SOLANO	431,525	41.3	9.6	9.7	7.0	13.1
19	TULARE	446,533	40.0	9.0	9.9	7.1	13.4
20	SAN BERNARDINO	2,095,918	200.0	9.5	10.1	8.7	11.5
21	CONTRA COSTA	1,053,710	109.3	10.4	10.1	8.2	12.0
22	NAPA	138,956	14.7	10.6 *	10.4 *	5.8	17.2
23	DEL NORTE	30,297	3.3	11.0 *	10.4 *	2.4	28.8
24	RIVERSIDE	2,119,618	209.3	9.9	10.4	9.0	11.8
25	SAN FRANCISCO	810,078	96.7	11.9	10.4	8.4	12.7
26	SAN JOAQUIN	706,857	65.3	9.2	10.5	8.1	13.4
27	VENTURA	837,840	90.3	10.8	10.6	8.5	13.0
28	KERN	835,007	84.3	10.1	11.1	8.9	13.7
29	STANISLAUS	539,299	54.7	10.1	11.2	8.4	14.6
30	SAN DIEGO	3,138,382	360.7	11.5	11.4	10.2	12.5
31	SACRAMENTO	1,422,789	169.0	11.9	11.8	10.0	13.6
32	SANTA CRUZ	265,578	34.7	13.1	12.4	8.6	17.3
33	EL DORADO	183,399	24.3	13.3	12.5	8.1	18.6
34	SUTTER	97,800	12.0	12.3 *	12.8 *	6.6	22.3
35	SONOMA	487,575	65.7	13.5	12.9	9.9	16.4
36	MARIN	253,331	38.3	15.1	13.0	9.2	17.8
37	LASSEN	37,231	5.3	14.3 *	13.3 *	4.3	31.1
38	PLUMAS	21,668	4.3	20.0 *	13.4 *	3.9	33.1
39	PLACER	333,998	45.7	13.7	13.4	9.8	18.0
40	COLUSA	22,830	3.0	13.1 *	13.6 *	2.8	39.7
41	ALPINE	1,344	0.3	24.8 *	13.6 *	0.0	177.9
42	MODOC	10,562	2.0	18.9 *	13.9 *	1.7	50.4
43	YUBA	76,556	10.7	13.9 *	14.5 *	7.2	26.2
44	SAN LUIS OBISPO	266,205	41.0	15.4	14.9	10.7	20.2
45	BUTTE	223,572	37.7	16.8	16.4	11.6	22.6
46	CALAVERAS	46,658	8.3	17.9 *	16.7 *	7.4	32.5
47	TEHAMA	63,702	11.0	17.3 *	17.1 *	8.5	30.6
48	TUOLUMNE	58,156	12.0	20.6 *	17.6 *	9.1	30.7
49	INYO	19,007	4.0	21.0 *	17.9 *	4.9	45.8
50	AMADOR	39,404	9.0	22.8 *	17.9 *	8.2	34.0
51	NEVADA	101,012	21.0	20.8	20.0	12.4	30.6
52	SHASTA	186,540	38.0	20.4	20.0	14.2	27.5
53	MARIPOSA	18,772	4.7	24.9 *	20.6 *	6.3	49.3
54	HUMBOLDT	133,266	32.7	24.5	22.9	15.7	32.3
55	MENDOCINO	91,794	22.7	24.7	23.7	15.0	35.7
56	SISKIYOU	46,620	14.0	30.0 *	28.3 *	15.5	47.5
57	LAKE	65,947	19.7	29.8 *	29.0 *	17.6	45.0
58	TRINITY	14,844	5.3	35.9 *	37.1 *	12.6	84.4

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

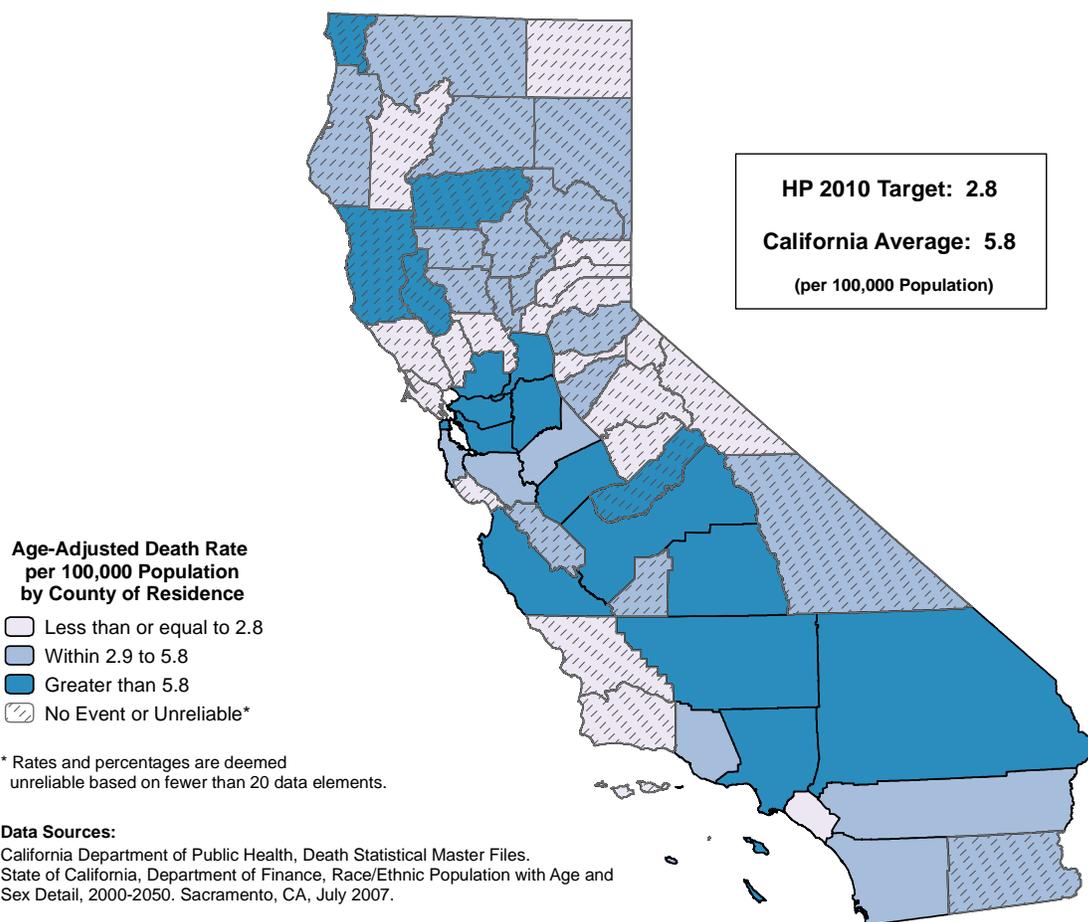
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO HOMICIDE, 2007-2009



The crude death rate from homicide for California was 5.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 17,052 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 2,243.0 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 9.7 in Alameda County to 2.5 in Orange County, a factor of 3.9 to 1.

The age-adjusted death rate from homicide for California during the 2007 through 2009 three-year period was 5.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 9.8 in Alameda County to 2.4 in Orange County.

One county with a reliable age-adjusted death rate met the Healthy People 2010 National Objective 15-32 of no more than 2.8 age-adjusted deaths due to homicide per 100,000 population. An additional thirteen counties with unreliable rates and four counties with no homicide deaths met the objective. The statewide age-adjusted death rate for homicide did not meet the national objective.

**TABLE 17
DEATHS DUE TO HOMICIDE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,351	0.0	-	-	-	-
2	MODOC	10,562	0.0	-	-	-	-
3	SIERRA	3,657	0.0	-	-	-	-
4	ALPINE	1,344	0.0	-	-	-	-
5	MARIPOSA	18,772	0.3	1.8 *	1.0 *	0.0	12.6
6	NEVADA	101,012	1.7	1.6 *	1.3 *	0.1	5.0
7	NAPA	138,956	2.0	1.4 *	1.4 *	0.2	5.1
8	PLACER	333,998	5.3	1.6 *	1.7 *	0.6	3.9
9	AMADOR	39,404	1.0	2.5 *	1.7 *	0.0	9.5
10	TRINITY	14,844	0.3	2.2 *	1.8 *	0.0	23.6
11	YOLO	199,279	3.7	1.8 *	1.9 *	0.5	5.1
12	SANTA CRUZ	265,578	6.0	2.3 *	2.2 *	0.8	4.7
13	SANTA BARBARA	427,016	9.7	2.3 *	2.2 *	1.0	4.1
14	ORANGE	3,152,642	77.7	2.5	2.4	1.9	3.0
15	SONOMA	487,575	12.0	2.5 *	2.4 *	1.3	4.3
16	SAN LUIS OBISPO	266,205	6.7	2.5 *	2.6 *	1.0	5.4
17	MARIN	253,331	5.7	2.2 *	2.6 *	0.9	5.7
18	TUOLUMNE	58,156	1.3	2.3 *	2.6 *	0.1	11.9
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-32)					2.8		
19	SANTA CLARA	1,809,774	50.0	2.8	2.9	2.1	3.8
20	PLUMAS	21,668	0.7	3.1 *	2.9 *	0.0	21.6
21	LASSEN	37,231	1.3	3.6 *	3.0 *	0.2	13.7
22	SAN MATEO	731,633	20.3	2.8	3.0	1.8	4.6
23	GLENN	29,943	1.0	3.3 *	3.1 *	0.1	17.1
24	VENTURA	837,840	26.3	3.1	3.1	2.0	4.6
25	SAN DIEGO	3,138,382	102.3	3.3	3.2	2.6	3.9
26	CALAVERAS	46,658	1.3	2.9 *	3.3 *	0.2	15.1
27	EL DORADO	183,399	5.3	2.9 *	3.5 *	1.2	7.9
28	IMPERIAL	179,798	6.7	3.7 *	3.6 *	1.4	7.5
29	SHASTA	186,540	6.3	3.4 *	3.6 *	1.4	7.8
30	SUTTER	97,800	3.7	3.7 *	4.0 *	1.0	10.6
31	KINGS	157,572	7.0	4.4 *	4.4 *	1.8	9.0
32	YUBA	76,556	3.7	4.8 *	4.4 *	1.1	11.8
33	BUTTE	223,572	9.7	4.3 *	4.5 *	2.1	8.4
34	INYO	19,007	0.7	3.5 *	4.6 *	0.0	34.2
35	RIVERSIDE	2,119,618	105.3	5.0	4.8	3.9	5.8
36	SAN BENITO	60,768	3.0	4.9 *	4.8 *	1.0	14.1
37	HUMBOLDT	133,266	6.7	5.0 *	4.8 *	1.9	10.1
38	SISKIYOU	46,620	2.0	4.3 *	5.1 *	0.6	18.5
39	STANISLAUS	539,299	29.7	5.5	5.6	3.8	8.1
40	COLUSA	22,830	1.3	5.8 *	5.8 *	0.3	26.6
CALIFORNIA		38,246,598	2,243.0	5.9	5.8	5.5	6.0
41	TEHAMA	63,702	4.0	6.3 *	6.1 *	1.7	15.7
42	MENDOCINO	91,794	5.3	5.8 *	6.3 *	2.1	14.2
43	DEL NORTE	30,297	2.0	6.6 *	6.4 *	0.8	23.2
44	SACRAMENTO	1,422,789	93.0	6.5	6.5	5.3	8.0
45	MADERA	154,405	9.7	6.3 *	6.5 *	3.1	12.1
46	SAN BERNARDINO	2,095,918	146.7	7.0	6.6	5.5	7.7
47	LAKE	65,947	4.0	6.1 *	7.0 *	1.9	18.0
48	FRESNO	946,353	72.3	7.6	7.2	5.7	9.1
49	SAN JOAQUIN	706,857	52.7	7.5	7.5	5.6	9.8
50	MERCED	261,587	20.3	7.8	7.6	4.6	11.6
51	LOS ANGELES	10,385,372	811.3	7.8	7.7	7.2	8.2
52	KERN	835,007	67.3	8.1	7.7	6.0	9.8
53	SOLANO	431,525	36.0	8.3	8.2	5.7	11.3
54	TULARE	446,533	38.0	8.5	8.2	5.8	11.2
55	SAN FRANCISCO	810,078	64.0	7.9	8.9	6.8	11.4
56	MONTEREY	427,571	40.0	9.4	8.9	6.4	12.2
57	CONTRA COSTA	1,053,710	99.7	9.5	9.7	7.9	11.8
58	ALAMEDA	1,530,697	149.0	9.7	9.8	8.2	11.3

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

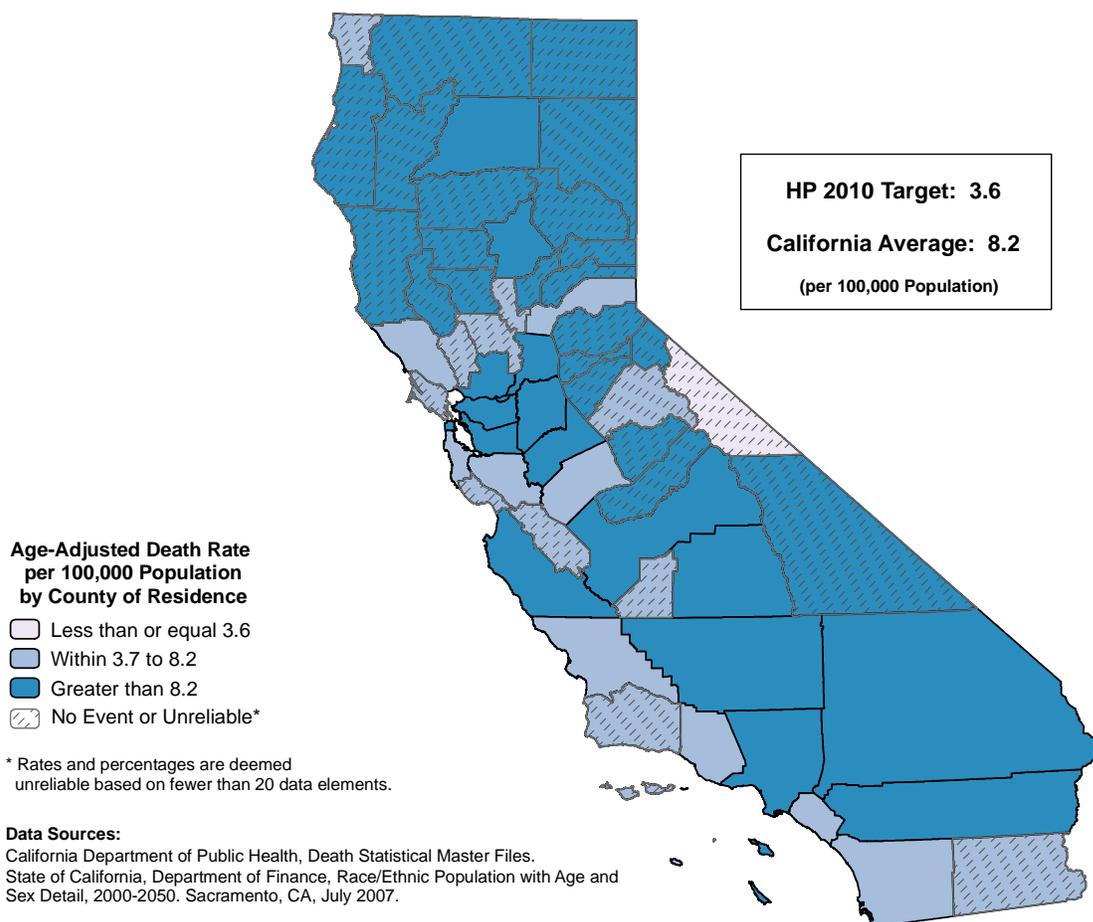
- Rates, percentages, and confidence limits are not calculated for zero events.

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

Sources: California Department of Public Health: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

FIREARM-RELATED DEATHS, 2007-2009



The crude death rate from firearm-related injuries for California was 8.2 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 12,157 persons. This rate was based on the 2007 through 2009 three-year average number of deaths equaling 3,146.0 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 12.7 in Shasta County to 4.1 in Santa Clara County, a factor of 3.1 to 1.

The age-adjusted death rate from firearm-related injuries for California during the 2007 through 2009 three-year period was 8.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 12.7 in Contra Costa County to 4.2 in Santa Clara County.

No county with a reliable age-adjusted death rate due to firearm-related deaths met the Healthy People 2010 National Objective 15-3 of no more than 3.6 age-adjusted deaths due to firearm-related injuries per 100,000 population. One county with an unreliable age-adjusted death rate met the Healthy People 2010 National Objective. The statewide age-adjusted death rate for firearm-related deaths did not meet the national objective.

TABLE 18
FIREARM-RELATED DEATHS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,351	0.3	2.3 *	2.7 *	0.0	35.4
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-3)					3.6		
2	SANTA BARBARA	427,016	18.0	4.2 *	4.1 *	2.4	6.5
3	SANTA CLARA	1,809,774	75.0	4.1	4.2	3.3	5.3
4	ORANGE	3,152,642	142.7	4.5	4.5	3.8	5.3
5	MARIN	253,331	12.7	5.0 *	4.7 *	2.5	8.1
6	NAPA	138,956	7.3	5.3 *	4.9 *	2.0	10.0
7	YOLO	199,279	9.7	4.9 *	5.0 *	2.4	9.3
8	SAN MATEO	731,633	40.3	5.5	5.6	4.0	7.6
9	IMPERIAL	179,798	10.0	5.6 *	5.8 *	2.8	10.6
10	DEL NORTE	30,297	2.0	6.6 *	5.9 *	0.7	21.2
11	SANTA CRUZ	265,578	16.3	6.2 *	5.9 *	3.4	9.5
12	KINGS	157,572	9.0	5.7 *	6.2 *	2.8	11.7
13	VENTURA	837,840	52.7	6.3	6.2	4.6	8.1
14	SAN DIEGO	3,138,382	202.0	6.4	6.4	5.5	7.3
15	PLACER	333,998	22.7	6.8	6.5	4.1	9.8
16	TUOLUMNE	58,156	5.7	9.7 *	6.8 *	2.4	15.0
17	SONOMA	487,575	35.0	7.2	7.0	4.9	9.8
18	SAN BENITO	60,768	4.0	6.6 *	7.5 *	2.0	19.1
19	SAN LUIS OBISPO	266,205	21.3	8.0	7.6	4.7	11.5
20	SUTTER	97,800	7.7	7.8 *	7.9 *	3.3	15.8
21	MERCED	261,587	21.3	8.2	8.1	5.1	12.4
CALIFORNIA		38,246,598	3,146.0	8.2	8.2	7.9	8.5
22	RIVERSIDE	2,119,618	170.3	8.0	8.3	7.0	9.5
23	MADERA	154,405	12.3	8.0 *	8.3 *	4.3	14.4
24	SAN FRANCISCO	810,078	63.0	7.8	8.7	6.7	11.2
25	YUBA	76,556	6.7	8.7 *	8.9 *	3.5	18.5
26	STANISLAUS	539,299	45.0	8.3	8.9	6.5	11.8
27	LOS ANGELES	10,385,372	931.0	9.0	8.9	8.3	9.5
28	SACRAMENTO	1,422,789	129.3	9.1	8.9	7.4	10.5
29	GLENN	29,943	2.7	8.9 *	9.0 *	1.6	27.9
30	FRESNO	946,353	87.0	9.2	9.1	7.3	11.2
31	LASSEN	37,231	3.7	9.8 *	9.2 *	2.3	24.6
32	SAN BERNARDINO	2,095,918	199.0	9.5	9.4	8.1	10.8
33	AMADOR	39,404	5.7	14.4 *	9.9 *	3.5	22.0
34	SAN JOAQUIN	706,857	67.0	9.5	10.0	7.7	12.6
35	SIERRA	3,657	0.7	18.2 *	10.0 *	0.1	74.6
36	EL DORADO	183,399	19.3	10.5 *	10.2 *	6.2	15.8
37	MONTEREY	427,571	45.0	10.5	10.2	7.4	13.7
38	BUTTE	223,572	25.0	11.2	10.7	6.9	15.7
39	PLUMAS	21,668	3.0	13.8 *	10.7 *	2.2	31.3
40	SOLANO	431,525	47.0	10.9	11.0	8.1	14.6
41	MARIPOSA	18,772	2.7	14.2 *	11.2 *	2.0	34.7
42	CALAVERAS	46,658	6.3	13.6 *	11.2 *	4.3	23.9
43	ALAMEDA	1,530,697	171.7	11.2	11.2	9.6	12.9
44	TEHAMA	63,702	8.0	12.6 *	11.3 *	4.9	22.3
45	KERN	835,007	91.7	11.0	11.4	9.2	14.0
46	TULARE	446,533	50.7	11.3	11.6	8.6	15.3
47	COLUSA	22,830	2.7	11.7 *	11.8 *	2.1	36.7
48	SHASTA	186,540	23.7	12.7	12.1	7.7	18.0
49	CONTRA COSTA	1,053,710	131.7	12.5	12.7	10.5	14.9
50	NEVADA	101,012	13.0	12.9 *	13.2 *	7.0	22.6
51	HUMBOLDT	133,266	19.3	14.5 *	13.5 *	8.2	21.0
52	ALPINE	1,344	0.3	24.8 *	13.6 *	0.0	177.9
53	LAKE	65,947	10.7	16.2 *	13.9 *	6.8	25.0
54	INYO	19,007	3.3	17.5 *	13.9 *	3.2	38.7
55	MODOC	10,562	2.0	18.9 *	13.9 *	1.7	50.4
56	MENDOCINO	91,794	14.7	16.0 *	16.3 *	9.0	27.0
57	SISKIYOU	46,620	11.0	23.6 *	22.4 *	11.2	40.0
58	TRINITY	14,844	4.3	29.2 *	29.8 *	8.7	73.8

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

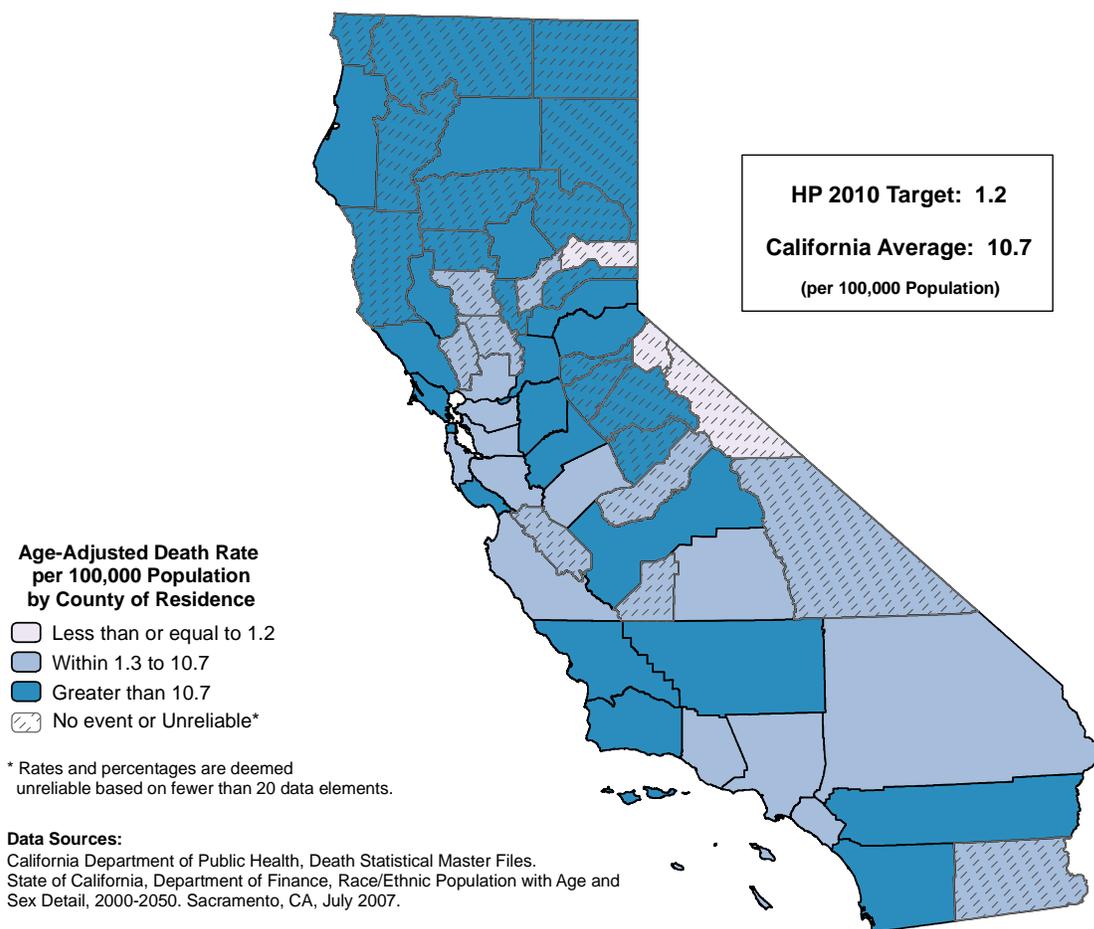
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DRUG-INDUCED DEATHS, 2007-2009



The crude death rate from drug-induced deaths for California was 10.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 9,191 persons. This rate was based on a 2007 through 2009 three-year average number of deaths equaling 4,161.3 and population count of 38,246,598 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 36.3 in Humboldt County to 6.5 in Tulare County, a factor of 5.6 to 1.

The age-adjusted death rate from drug-induced deaths for California during the 2007 through 2009 three-year period was 10.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 35.2 in Humboldt County to 6.6 in Santa Clara County.

Three counties with no drug-induced deaths met the Healthy People 2010 National Objective 26-3 of no more than 1.2 age-adjusted drug-induced deaths per 100,000 population. No county with a reliable age-adjusted death rate met the Healthy People 2010 National Objective. The statewide age-adjusted death rate for drug-induced deaths did not meet the national objective.

**TABLE 19
DRUG-INDUCED DEATHS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,351	0.0	-	-	-	-
2	SIERRA	3,657	0.0	-	-	-	-
3	ALPINE	1,344	0.0	-	-	-	-
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (26-3)					1.2		
4	COLUSA	22,830	1.0	4.4 *	4.1 *	0.1	23.0
5	YUBA	76,556	4.0	5.2 *	5.7 *	1.6	14.6
6	SAN BENITO	60,768	3.7	6.0 *	6.2 *	1.6	16.5
7	SANTA CLARA	1,809,774	129.7	7.2	6.6	5.5	7.8
8	MADERA	154,405	11.0	7.1 *	7.0 *	3.5	12.5
9	SAN MATEO	731,633	57.7	7.9	7.2	5.4	9.3
10	LOS ANGELES	10,385,372	759.0	7.3	7.2	6.7	7.7
11	TULARE	446,533	29.0	6.5	7.5	5.0	10.7
12	YOLO	199,279	15.0	7.5 *	8.0 *	4.5	13.1
13	KINGS	157,572	12.7	8.0 *	8.7 *	4.6	15.0
14	MONTEREY	427,571	35.7	8.3	8.8	6.1	12.2
15	IMPERIAL	179,798	16.0	8.9 *	8.9 *	5.1	14.4
16	NAPA	138,956	14.0	10.1 *	9.4 *	5.1	15.7
17	ORANGE	3,152,642	316.0	10.0	9.7	8.7	10.8
18	SOLANO	431,525	43.7	10.1	9.9	7.2	13.3
19	INYO	19,007	1.7	8.8 *	9.9 *	0.9	39.8
20	CONTRA COSTA	1,053,710	113.0	10.7	10.1	8.2	12.0
21	VENTURA	837,840	86.3	10.3	10.2	8.1	12.5
22	MERCED	261,587	24.0	9.2	10.4	6.6	15.4
23	ALAMEDA	1,530,697	171.3	11.2	10.5	8.9	12.0
24	SAN BERNARDINO	2,095,918	212.7	10.1	10.5	9.1	12.0
	CALIFORNIA	38,246,598	4,161.3	10.9	10.7	10.4	11.0
25	SAN DIEGO	3,138,382	375.3	12.0	11.5	10.3	12.7
26	RIVERSIDE	2,119,618	233.0	11.0	11.5	10.0	13.0
27	SANTA CRUZ	265,578	33.7	12.7	11.6	8.0	16.2
28	FRESNO	946,353	105.3	11.1	12.1	9.7	14.4
29	SANTA BARBARA	427,016	52.3	12.3	12.1	9.1	15.9
30	SAN LUIS OBISPO	266,205	33.0	12.4	12.6	8.6	17.6
31	SONOMA	487,575	67.7	13.9	13.0	10.1	16.5
32	MARIN	253,331	36.3	14.3	13.4	9.4	18.5
33	NEVADA	101,012	15.7	15.5 *	13.6 *	7.7	22.1
34	MARIPOSA	18,772	3.7	19.5 *	13.9 *	3.5	36.9
35	SUTTER	97,800	12.0	12.3 *	14.0 *	7.2	24.4
36	PLACER	333,998	47.0	14.1	14.3	10.5	19.0
37	TEHAMA	63,702	9.0	14.1 *	14.9 *	6.8	28.2
38	STANISLAUS	539,299	79.3	14.7	16.2	12.8	20.2
39	DEL NORTE	30,297	4.7	15.4 *	16.7 *	5.2	40.2
40	SACRAMENTO	1,422,789	244.3	17.2	16.9	14.7	19.0
41	KERN	835,007	131.3	15.7	16.9	14.0	19.8
42	SISKIYOU	46,620	8.7	18.6 *	17.1 *	7.7	32.8
43	SAN JOAQUIN	706,857	110.7	15.7	17.7	14.3	21.0
44	EL DORADO	183,399	35.0	19.1	18.2	12.6	25.3
45	CALAVERAS	46,658	8.3	17.9 *	19.2 *	8.4	37.2
46	MENDOCINO	91,794	19.3	21.1 *	19.9 *	12.0	30.9
47	AMADOR	39,404	9.7	24.5 *	20.6 *	9.7	38.3
48	SAN FRANCISCO	810,078	195.7	24.2	20.9	17.9	23.9
49	GLENN	29,943	6.0	20.0 *	21.3 *	7.8	46.5
50	TUOLUMNE	58,156	13.7	23.5 *	22.6 *	12.3	38.2
51	PLUMAS	21,668	5.3	24.6 *	23.0 *	7.8	52.3
52	LASSEN	37,231	9.7	26.0 *	23.5 *	11.1	43.6
53	TRINITY	14,844	3.3	22.5 *	29.4 *	6.8	81.6
54	BUTTE	223,572	66.3	29.7	29.9	23.2	38.0
55	SHASTA	186,540	55.3	29.7	30.6	23.1	39.8
56	LAKE	65,947	22.7	34.4	32.0	20.2	48.2
57	HUMBOLDT	133,266	48.3	36.3	35.2	26.0	46.6
58	MODOC	10,562	2.7	25.2 *	35.4 *	6.4	109.6

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

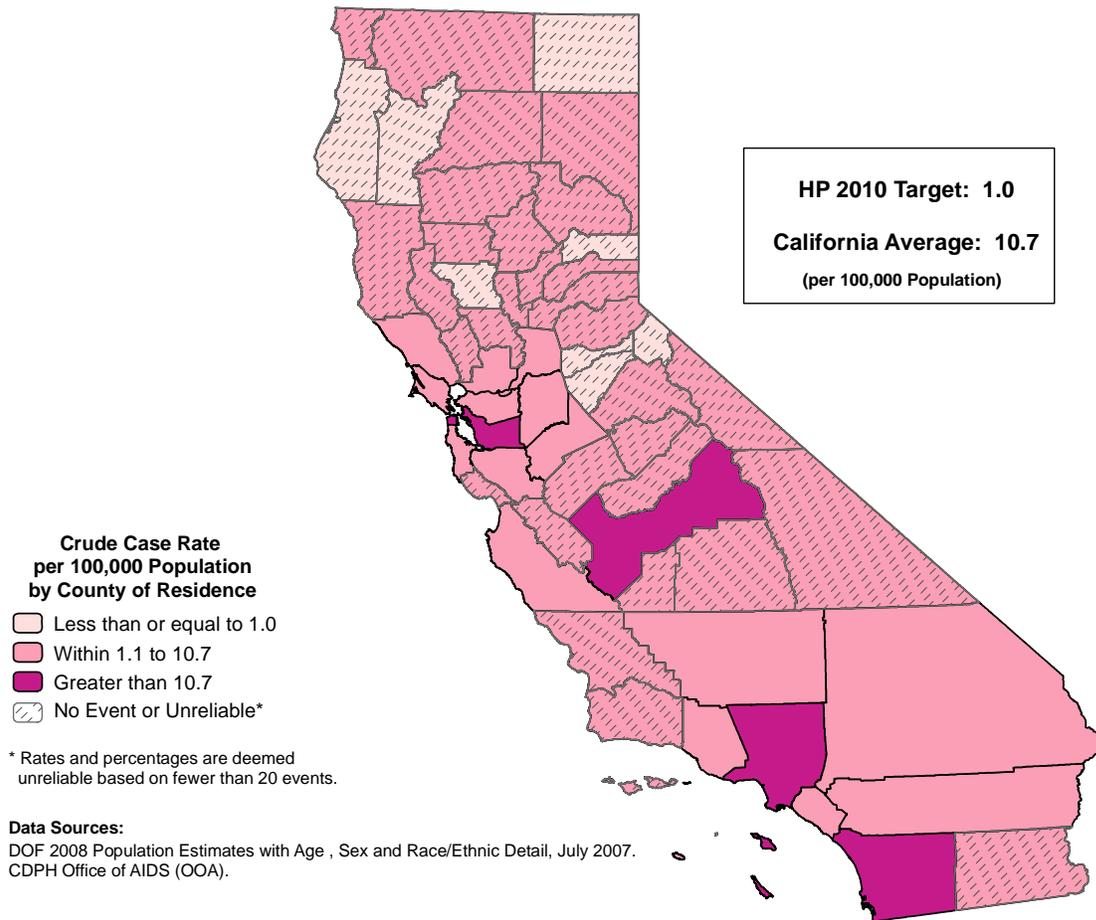
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2007-2009 Death Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OLDER, 2007-2009



The crude case rate of reported AIDS cases for Californians aged 13 years and older were 10.7 cases per 100,000 population or approximately one reported AIDS case for every 9,365 persons. This rate was based on a 2007 through 2009 three-year average reported number of cases equaling 3,334.7 and population count of 31,229,365 as of July 1, 2007.

Among counties with reliable rates, the crude case rate ranged from 54.6 in San Francisco County to 3.2 in Ventura County, a factor of 17.0 to 1.

No county with a reliable crude case rate met the Healthy People 2010 National Objective 13-1 of no more than 1.0 AIDS case per 100,000 population aged 13 years and older. Two counties with unreliable rates and six counties with no new AIDS cases met the objective. The statewide AIDS crude case rate did not meet the national objective.

Note: Current data are not comparable to prior years as a result of changes in data collection and methodology.

**TABLE 20
REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OVER
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION AGED 13 AND OVER	2007-2009 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	CALAVERAS	41,623	0.0	-	-	-
2	COLUSA	18,337	0.0	-	-	-
3	TRINITY	13,060	0.0	-	-	-
4	MODOC	9,211	0.0	-	-	-
5	SIERRA	3,317	0.0	-	-	-
6	ALPINE	1,180	0.0	-	-	-
7	HUMBOLDT	113,908	1.0	0.9 *	0.0	4.9
8	AMADOR	35,452	0.3	0.9 *	0.0	12.3
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (13-1)				1.0		
9	YUBA	60,796	0.7	1.1 *	0.0	8.2
10	TEHAMA	53,585	0.7	1.2 *	0.0	9.3
11	GLENN	24,329	0.3	1.4 *	0.0	17.9
12	PLACER	276,699	4.3	1.6 *	0.5	3.9
13	SISKIYOU	40,152	0.7	1.7 *	0.0	12.4
14	SUTTER	76,668	1.3	1.7 *	0.1	8.0
15	PLUMAS	19,130	0.3	1.7 *	0.0	22.8
16	NEVADA	89,453	1.7	1.9 *	0.2	7.5
17	MARIPOSA	16,804	0.3	2.0 *	0.0	25.9
18	LASSEN	32,671	0.7	2.0 *	0.0	15.2
19	SHASTA	157,856	4.0	2.5 *	0.7	6.5
20	TUOLUMNE	51,702	1.3	2.6 *	0.1	11.9
21	TULARE	347,837	9.0	2.6 *	1.2	4.9
22	YOLO	165,836	4.3	2.6 *	0.8	6.5
23	MONO	12,296	0.3	2.7 *	0.0	35.4
24	EL DORADO	157,696	4.3	2.7 *	0.8	6.8
25	LAKE	57,272	1.7	2.9 *	0.3	11.7
26	KINGS	125,356	3.7	2.9 *	0.7	7.8
27	VENTURA	686,201	22.0	3.2	2.0	4.9
28	BUTTE	190,917	6.3	3.3 *	1.3	7.1
29	MERCED	204,846	7.0	3.4 *	1.4	7.0
30	DEL NORTE	26,022	1.0	3.8 *	0.1	21.4
31	INYO	16,396	0.7	4.1 *	0.0	30.4
32	SANTA BARBARA	352,156	14.3	4.1 *	2.2	6.8
33	SAN MATEO	612,210	26.0	4.2	2.8	6.2
34	SANTA CRUZ	224,076	9.7	4.3 *	2.0	8.0
35	NAPA	114,075	5.0	4.4 *	1.4	10.2
36	SAN BENITO	48,360	2.3	4.8 *	0.7	16.0
37	SAN LUIS OBISPO	229,310	11.7	5.1 *	2.6	9.0
38	MENDOCINO	77,461	4.0	5.2 *	1.4	13.2
39	MONTEREY	338,746	20.7	6.1	3.8	9.4
40	MADERA	124,946	7.7	6.1 *	2.6	12.3
41	SACRAMENTO	1,157,512	72.3	6.2	4.9	7.9
42	STANISLAUS	416,633	29.7	7.1	4.8	10.2
43	ORANGE	2,585,069	191.3	7.4	6.4	8.5
44	SAN BERNARDINO	1,677,340	128.0	7.6	6.3	9.0
45	SANTA CLARA	1,480,375	121.3	8.2	6.7	9.7
46	SAN JOAQUIN	539,693	45.3	8.4	6.1	11.2
47	SONOMA	404,286	35.0	8.7	6.0	12.0
48	CONTRA COSTA	876,494	78.7	9.0	7.1	11.2
49	RIVERSIDE	1,706,043	160.0	9.4	7.9	10.8
50	MARIN	214,430	21.0	9.8	6.1	15.0
51	IMPERIAL	147,557	15.0	10.2 *	5.7	16.8
52	SOLANO	355,545	36.7	10.3	7.2	14.2
53	KERN	654,990	69.0	10.5	8.2	13.3
CALIFORNIA		31,229,365	3,334.7	10.7	10.3	11.0
54	FRESNO	751,054	84.7	11.3	9.0	13.9
55	LOS ANGELES	8,458,708	1,097.3	13.0	12.2	13.7
56	SAN DIEGO	2,566,965	357.0	13.9	12.5	15.4
57	ALAMEDA	1,270,076	220.3	17.3	15.1	19.6
58	SAN FRANCISCO	718,647	392.7	54.6	49.2	60.0

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

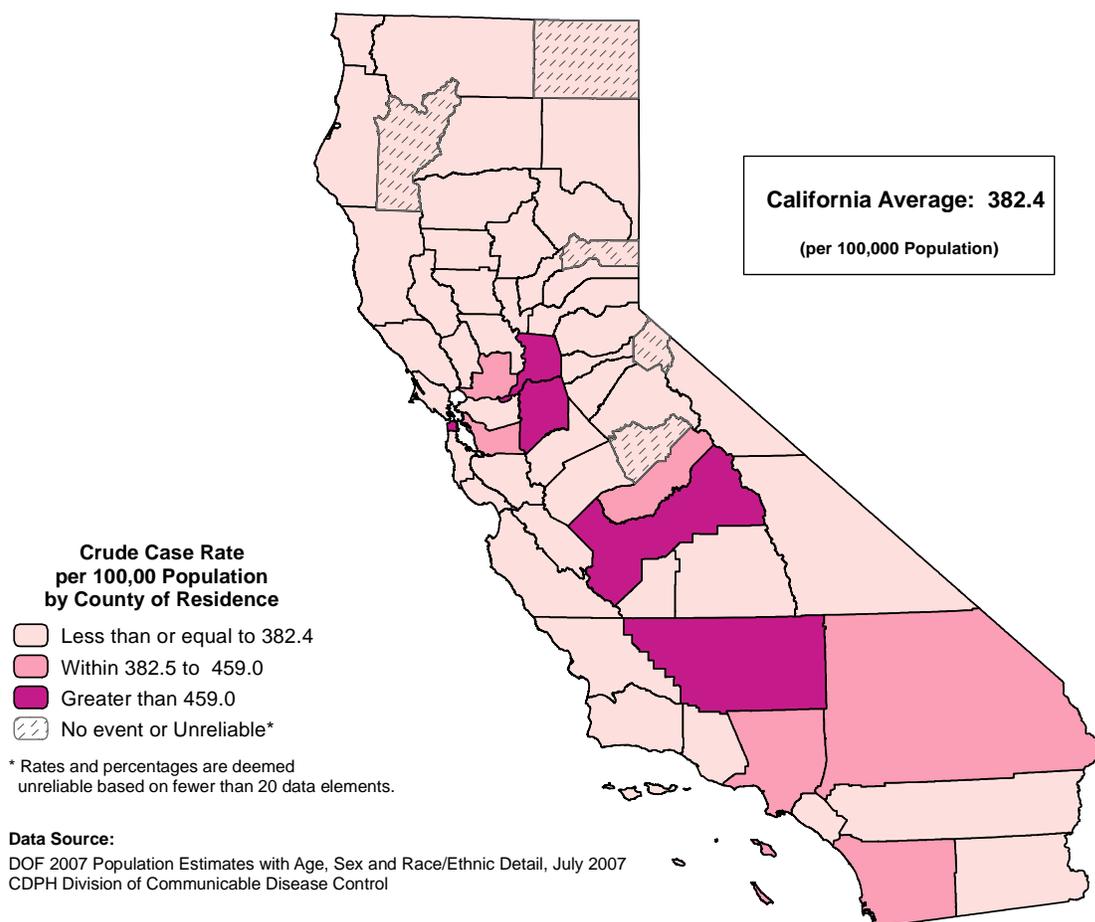
- Rates, percentages, and confidence limits are not calculated for zero events.

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

Sources: California Department of Public Health: Office of AIDS Surveillance Section.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

REPORTED INCIDENCE OF CHLAMYDIA, 2007-2009



The crude case rate of reported chlamydia cases for California was 382.4 cases per 100,000 population or approximately one reported chlamydia case for every 262 persons. This rate was based on a 2007 through 2009 three-year average reported number of cases equaling 146,249.7 and population count of 38,246,598 as of July 1, 2007.

Among counties with reliable rates, the crude case rate ranged from 616.4 in Kern County to 81.4 in Calaveras County, a factor of 7.6 to 1.

Prevalence data are not available in all California counties to evaluate the Healthy People 2010 National Objective 25-1 of no more than 3 percent testing positive in the population aged 15 to 24 years.

**TABLE 21
REPORTED INCIDENCE OF CHLAMYDIA
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (25-1)				NOTE		
1	ALPINE	1,344	0.7	49.6 *	0.3	370.6
2	CALAVERAS	46,658	38.0	81.4	57.6	111.8
3	MARIPOSA	18,772	16.3	87.0 *	50.1	140.6
4	TRINITY	14,844	13.3	89.8 *	48.3	152.6
5	SIERRA	3,657	3.3	91.1 *	21.0	253.4
6	COLUSA	22,830	22.7	99.3	62.7	149.4
7	MODOC	10,562	10.7	101.0 *	49.8	182.3
8	LASSEN	37,231	41.0	110.1	79.0	149.4
9	TUOLUMNE	58,156	66.0	113.5	87.8	144.4
10	EL DORADO	183,399	235.7	128.5	112.1	144.9
11	NEVADA	101,012	130.0	128.7	106.6	150.8
12	DEL NORTE	30,297	39.3	129.8	92.5	177.2
13	MONO	14,351	22.0	153.3	96.1	232.1
14	NAPA	138,956	237.7	171.0	149.3	192.8
15	LAKE	65,947	113.3	171.9	140.2	203.5
16	INYO	19,007	34.3	180.6	125.3	252.0
17	SONOMA	487,575	896.0	183.8	171.7	195.8
18	SISKIYOU	46,620	86.3	185.2	148.2	228.6
19	PLACER	333,998	636.0	190.4	175.6	205.2
20	AMADOR	39,404	76.7	194.6	153.5	243.3
21	GLENN	29,943	58.3	194.8	148.1	251.7
22	MARIN	253,331	524.0	206.8	189.1	224.6
23	PLUMAS	21,668	46.3	213.8	156.7	284.9
24	TEHAMA	63,702	137.0	215.1	179.1	251.1
25	SUTTER	97,800	212.3	217.1	187.9	246.3
26	SHASTA	186,540	439.3	235.5	213.5	257.5
27	SAN LUIS OBISPO	266,205	641.7	241.0	222.4	259.7
28	MENDOCINO	91,794	221.3	241.1	209.4	272.9
29	SAN BENITO	60,768	147.0	241.9	202.8	281.0
30	SANTA CRUZ	265,578	662.0	249.3	230.3	268.3
31	VENTURA	837,840	2,101.3	250.8	240.1	261.5
32	SAN MATEO	731,633	1,859.0	254.1	242.5	265.6
33	ORANGE	3,152,642	8,141.0	258.2	252.6	263.8
34	YOLO	199,279	533.3	267.6	244.9	290.3
35	YUBA	76,556	209.7	273.9	236.8	310.9
36	SANTA BARBARA	427,016	1,207.7	282.8	266.9	298.8
37	HUMBOLDT	133,266	382.0	286.6	257.9	315.4
38	RIVERSIDE	2,119,618	6,244.3	294.6	287.3	301.9
39	MONTEREY	427,571	1,318.3	308.3	291.7	325.0
40	SANTA CLARA	1,809,774	5,605.0	309.7	301.6	317.8
41	BUTTE	223,572	707.7	316.5	293.2	339.8
42	CONTRA COSTA	1,053,710	3,538.7	335.8	324.8	346.9
43	MERCED	261,587	879.0	336.0	313.8	358.2
44	KINGS	157,572	533.3	338.5	309.7	367.2
45	STANISLAUS	539,299	1,873.7	347.4	331.7	363.2
46	IMPERIAL	179,798	657.3	365.6	337.6	393.5
47	TULARE	446,533	1,701.3	381.0	362.9	399.1
CALIFORNIA		38,246,598	146,249.7	382.4	380.4	384.3
48	SAN BERNARDINO	2,095,918	8,319.7	396.9	388.4	405.5
49	SAN DIEGO	3,138,382	13,708.3	436.8	429.5	444.1
50	LOS ANGELES	10,385,372	45,876.0	441.7	437.7	445.8
51	MADERA	154,405	694.3	449.7	416.2	483.1
52	ALAMEDA	1,530,697	6,947.3	453.9	443.2	464.5
53	SOLANO	431,525	1,980.7	459.0	438.8	479.2
54	SAN JOAQUIN	706,857	3,526.0	498.8	482.4	515.3
55	SAN FRANCISCO	810,078	4,071.3	502.6	487.1	518.0
56	SACRAMENTO	1,422,789	7,218.7	507.4	495.7	519.1
57	FRESNO	946,353	5,459.0	576.8	561.5	592.1
58	KERN	835,007	5,147.0	616.4	599.6	633.2

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

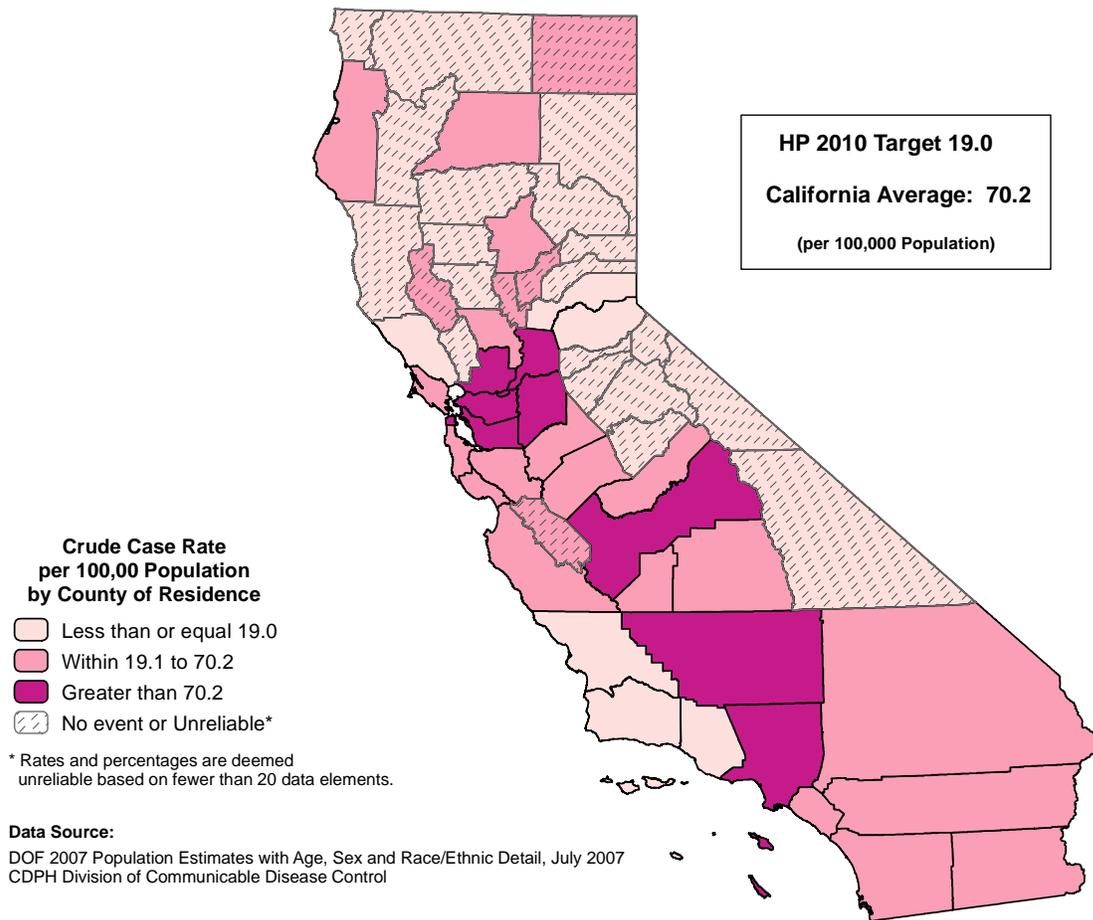
- Rates, percentages, and confidence limits are not calculated for zero events.

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

Sources: California Department of Public Health: Office of AIDS Surveillance Section (as of December 31, 2009).

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

REPORTED INCIDENCE OF GONORRHEA, 2007-2009



The crude case rate of reported gonorrhea cases for California was 70.2 cases per 100,000 population or approximately one reported gonorrhea case for every 1,425 persons. This rate was based on a 2007 through 2009 three-year average reported number of cases equaling 26,843.3 and population count of 38,246,598 as of July 1, 2007.

Among counties with reliable rates, the crude case rate ranged from 239.8 in San Francisco County to 11.3 in El Dorado County, a factor of 21.2 to 1.

Six counties with reliable crude case rates met the Healthy People 2010 National Objective 25-2a of no more than 19.0 gonorrhea cases per 100,000 population. An additional eighteen counties with unreliable rates and one county with no new gonorrhea cases met the objective. The statewide gonorrhea crude case rate did not meet the national objective.

**TABLE 22
REPORTED INCIDENCE OF GONORRHEA
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	ALPINE	1,344	0.0	-	-	-
2	LASSEN	37,231	2.3	6.3 *	1.0	20.8
3	DEL NORTE	30,297	2.0	6.6 *	0.8	23.8
4	TRINITY	14,844	1.0	6.7 *	0.2	37.5
5	MONO	14,351	1.0	7.0 *	0.2	38.8
6	CALAVERAS	46,658	3.3	7.1 *	1.6	19.9
7	COLUSA	22,830	2.0	8.8 *	1.1	31.6
8	MARIPOSA	18,772	1.7	8.9 *	0.8	35.6
9	SIERRA	3,657	0.3	9.1 *	0.0	119.2
10	PLUMAS	21,668	2.0	9.2 *	1.1	33.3
11	SISKIYOU	46,620	4.3	9.3 *	2.7	23.0
12	AMADOR	39,404	3.7	9.3 *	2.3	24.8
13	NEVADA	101,012	9.7	9.6 *	4.5	17.8
14	INYO	19,007	2.0	10.5 *	1.3	38.0
15	EL DORADO	183,399	20.7	11.3	6.9	17.3
16	NAPA	138,956	18.3	13.2 *	7.9	20.8
17	TUOLUMNE	58,156	8.0	13.8 *	5.9	27.1
18	SAN LUIS OBISPO	266,205	40.0	15.0	10.7	20.5
19	GLENN	29,943	4.7	15.6 *	4.8	37.4
20	MENDOCINO	91,794	14.7	16.0 *	8.9	26.5
21	SONOMA	487,575	84.7	17.4	13.9	21.5
22	PLACER	333,998	59.0	17.7	13.4	22.8
23	TEHAMA	63,702	11.3	17.8 *	9.0	31.6
24	SANTA BARBARA	427,016	76.7	18.0	14.2	22.5
25	VENTURA	837,840	156.7	18.7	15.8	21.6
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (25-2a)				19.0		
26	SUTTER	97,800	18.7	19.1 *	11.4	29.9
27	SHASTA	186,540	37.3	20.0	14.1	27.5
28	SAN BENITO	60,768	13.0	21.4 *	11.4	36.6
29	YUBA	76,556	17.7	23.1 *	13.6	36.6
30	SANTA CRUZ	265,578	68.0	25.6	19.9	32.5
31	HUMBOLDT	133,266	35.0	26.3	18.3	36.5
32	ORANGE	3,152,642	851.0	27.0	25.2	28.8
33	IMPERIAL	179,798	49.0	27.3	20.2	36.0
34	LAKE	65,947	18.7	28.3 *	17.0	44.4
35	MARIN	253,331	73.0	28.8	22.6	36.2
36	MONTEREY	427,571	123.7	28.9	23.8	34.0
37	YOLO	199,279	62.0	31.1	23.9	39.9
38	SAN MATEO	731,633	239.3	32.7	28.6	36.9
39	MODOC	10,562	3.7	34.7 *	8.8	92.4
40	MERCED	261,587	101.7	38.9	31.3	46.4
41	SANTA CLARA	1,809,774	710.3	39.2	36.4	42.1
42	BUTTE	223,572	94.0	42.0	34.0	51.5
43	RIVERSIDE	2,119,618	901.7	42.5	39.8	45.3
44	TULARE	446,533	201.3	45.1	38.9	51.3
45	KINGS	157,572	72.0	45.7	35.8	57.5
46	MADERA	154,405	77.0	49.9	39.4	62.3
47	STANISLAUS	539,299	309.0	57.3	50.9	63.7
48	SAN DIEGO	3,138,382	2,080.3	66.3	63.4	69.1
49	SAN BERNARDINO	2,095,918	1,418.0	67.7	64.1	71.2
CALIFORNIA		38,246,598	26,843.3	70.2	69.3	71.0
50	SOLANO	431,525	324.0	75.1	66.9	83.3
51	CONTRA COSTA	1,053,710	797.3	75.7	70.4	80.9
52	FRESNO	946,353	821.0	86.8	80.8	92.7
53	LOS ANGELES	10,385,372	9,331.3	89.9	88.0	91.7
54	SAN JOAQUIN	706,857	756.0	107.0	99.3	114.6
55	KERN	835,007	946.7	113.4	106.2	120.6
56	ALAMEDA	1,530,697	1,977.3	129.2	123.5	134.9
57	SACRAMENTO	1,422,789	1,842.0	129.5	123.6	135.4
58	SAN FRANCISCO	810,078	1,942.3	239.8	229.1	250.4

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

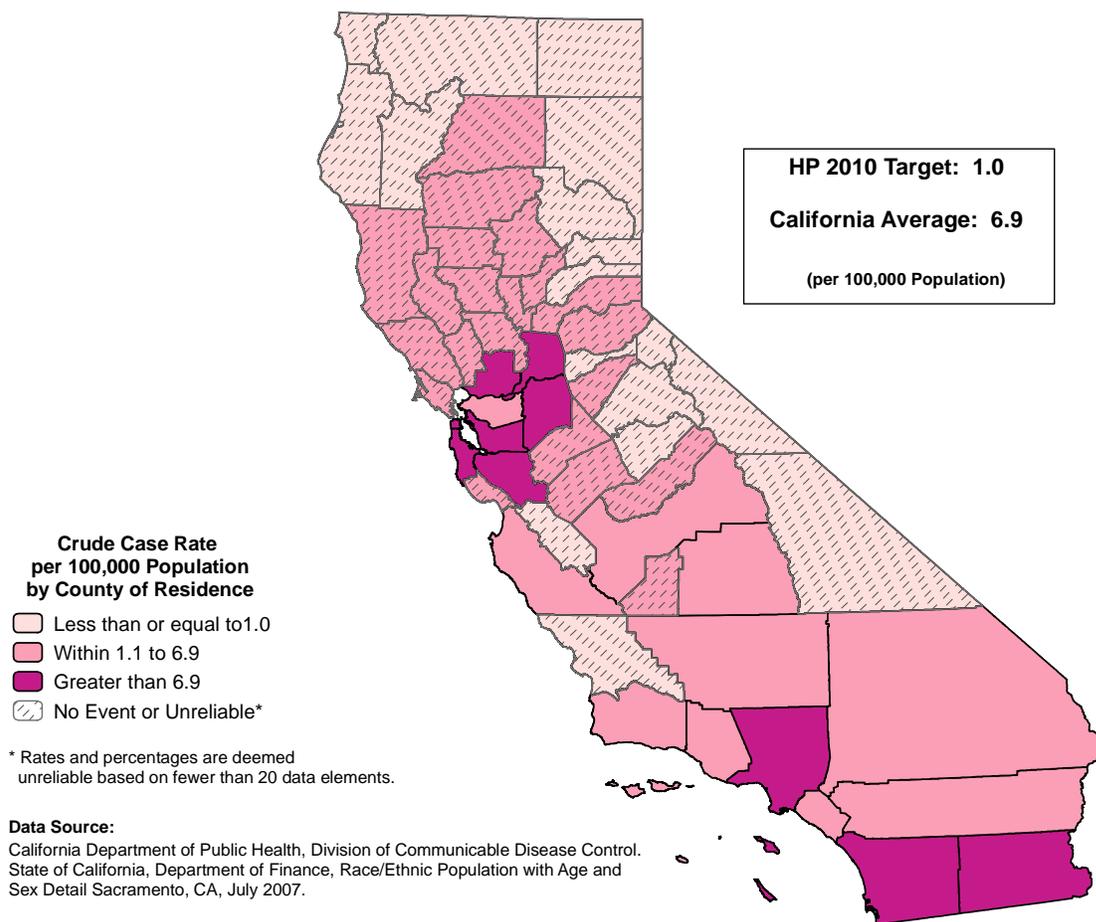
- Rates, percentages, and confidence limits are not calculated for zero events.

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: Office of AIDS Surveillance Section (as of December 31, 2009).

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

REPORTED INCIDENCE OF TUBERCULOSIS, 2007-2009



The crude case rate of reported tuberculosis cases for California was 6.9 cases per 100,000 population or approximately one reported tuberculosis case for every 14,539 persons. This rate was based on a 2007 through 2009 three-year average reported number of cases equaling 2,630.7 and population count of 38,246,598 as of July 1, 2007.

Among counties with reliable rates, the crude case rate ranged from 15.5 in San Francisco County to 3.4 in San Bernardino County, a factor of 4.6 to 1.

No county with a reliable crude case rate met the Healthy People 2010 National Objective 14-11 of no more than 1.0 tuberculosis case per 100,000 population. Five counties with unreliable rates and twelve counties with no new tuberculosis cases met the objective. The statewide tuberculosis crude case rate did not meet the national objective.

**TABLE 23
REPORTED INCIDENCE OF TUBERCULOSIS
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2008 POPULATION	2007-2009 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	SISKIYOU	46,620	0.0	-	-	-
2	AMADOR	39,404	0.0	-	-	-
3	LASSEN	37,231	0.0	-	-	-
4	DEL NORTE	30,297	0.0	-	-	-
5	PLUMAS	21,668	0.0	-	-	-
6	INYO	19,007	0.0	-	-	-
7	MARIPOSA	18,772	0.0	-	-	-
8	TRINITY	14,844	0.0	-	-	-
9	MONO	14,351	0.0	-	-	-
10	MODOC	10,562	0.0	-	-	-
11	SIERRA	3,657	0.0	-	-	-
12	ALPINE	1,344	0.0	-	-	-
13	HUMBOLDT	133,266	0.7	0.5 *	0.0	3.7
14	SAN BENITO	60,768	0.3	0.5 *	0.0	7.2
15	TUOLUMNE	58,156	0.3	0.6 *	0.0	7.5
16	SAN LUIS OBISPO	266,205	2.3	0.9 *	0.1	2.9
17	NEVADA	101,012	1.0	1.0 *	0.0	5.5
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (14-11)				1.0		
18	BUTTE	223,572	2.7	1.2 *	0.2	3.7
19	SHASTA	186,540	2.3	1.3 *	0.2	4.2
20	EL DORADO	183,399	2.7	1.5 *	0.3	4.5
21	COLUSA	22,830	0.3	1.5 *	0.0	19.1
22	LAKE	65,947	1.0	1.5 *	0.0	8.4
23	SONOMA	487,575	10.3	2.1 *	1.0	3.9
24	CALAVERAS	46,658	1.0	2.1 *	0.1	11.9
25	PLACER	333,998	7.3	2.2 *	0.9	4.5
26	MERCED	261,587	7.0	2.7 *	1.1	5.5
27	SUTTER	97,800	2.7	2.7 *	0.5	8.4
28	SANTA CRUZ	265,578	8.3	3.1 *	1.4	6.1
29	KINGS	157,572	5.0	3.2 *	1.0	7.4
30	GLENN	29,943	1.0	3.3 *	0.1	18.6
31	SAN BERNARDINO	2,095,918	70.7	3.4	2.6	4.3
32	STANISLAUS	539,299	18.7	3.5 *	2.1	5.4
33	RIVERSIDE	2,119,618	76.0	3.6	2.8	4.5
34	MENDOCINO	91,794	3.3	3.6 *	0.8	10.1
35	TEHAMA	63,702	2.3	3.7 *	0.6	12.2
36	NAPA	138,956	6.0	4.3 *	1.6	9.4
37	MARIN	253,331	12.0	4.7 *	2.4	8.3
38	YUBA	76,556	3.7	4.8 *	1.2	12.7
39	MONTEREY	427,571	20.7	4.8	3.0	7.4
40	YOLO	199,279	9.7	4.9 *	2.3	9.0
41	KERN	835,007	43.3	5.2	3.8	7.0
42	SANTA BARBARA	427,016	23.7	5.5	3.5	8.3
43	CONTRA COSTA	1,053,710	59.0	5.6	4.3	7.2
44	TULARE	446,533	27.3	6.1	4.0	8.9
45	MADERA	154,405	9.7	6.3 *	3.0	11.6
46	FRESNO	946,353	60.7	6.4	4.9	8.2
47	ORANGE	3,152,642	207.3	6.6	5.7	7.5
48	VENTURA	837,840	56.7	6.8	5.1	8.8
CALIFORNIA		38,246,598	2,630.7	6.9	6.6	7.1
49	SOLANO	431,525	31.0	7.2	4.9	10.2
50	SACRAMENTO	1,422,789	105.7	7.4	6.0	8.8
51	LOS ANGELES	10,385,372	819.0	7.9	7.3	8.4
52	SAN DIEGO	3,138,382	255.7	8.1	7.1	9.1
53	SAN JOAQUIN	706,857	64.3	9.1	7.0	11.6
54	SAN MATEO	731,633	72.0	9.8	7.7	12.4
55	ALAMEDA	1,530,697	151.0	9.9	8.3	11.4
56	SANTA CLARA	1,809,774	211.7	11.7	10.1	13.3
57	IMPERIAL	179,798	27.7	15.4	10.2	22.3
58	SAN FRANCISCO	810,078	125.7	15.5	12.8	18.2

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

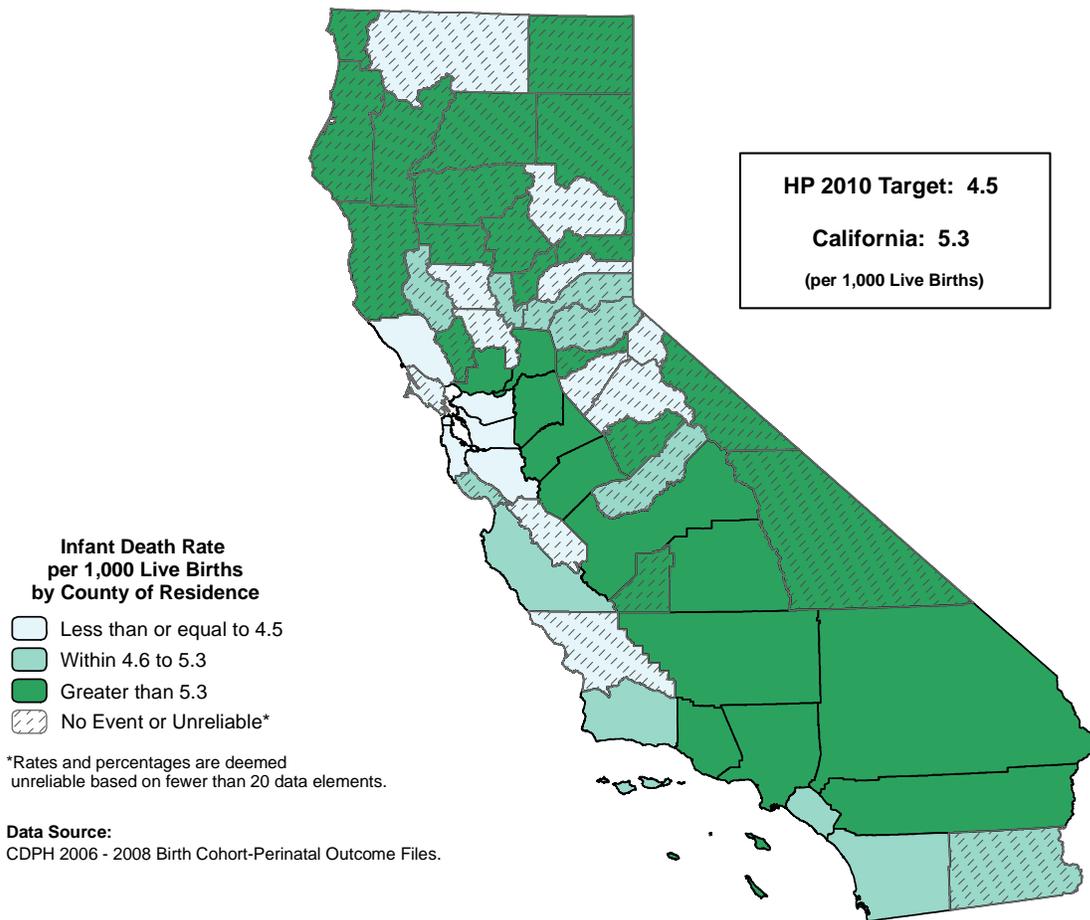
- Rates, percentages, and confidence limits are not calculated for zero events.

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

Sources: California Department of Public Health: Center for Infectious Diseases August, 2009.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

INFANT MORTALITY, ALL RACE/ETHNIC GROUPS, 2006-2008



The birth cohort infant death rate for California was 5.3 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 189 births. This rate was based on a 2006 through 2008 three-year average number of infant deaths equaling 2,960.0 and 560,208.0 live births.

Among counties with reliable rates, the birth cohort infant death rate ranged from 7.0 in Kern County to 3.8 in Santa Clara County, a factor of 1.9 to 1.

Six counties with reliable infant death rates met the Healthy People 2010 National Objective 16-1c of no more than 4.5 infant deaths per 1,000 birth cohort live births. An additional ten counties with unreliable rates and one county with no infant deaths met the objective. The statewide All Race/Ethnic Groups infant death rate did not meet the national objective.

**TABLE 24A
 INFANT MORTALITY, ALL RACE/ETHNIC GROUPS
 RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
 CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	ALPINE	13.0	0.0	-	-	-
2	CALAVERAS	388.0	0.7	1.7 *	0.0	12.8
3	COLUSA	380.7	0.7	1.8 *	0.0	13.1
4	PLUMAS	177.7	0.3	1.9 *	0.0	24.5
5	MARIN	2,758.7	8.3	3.0 *	1.3	5.9
6	NEVADA	840.3	2.7	3.2 *	0.6	9.8
7	SISKIYOU	502.0	1.7	3.3 *	0.3	13.3
8	SAN LUIS OBISPO	2,783.3	9.3	3.4 *	1.6	6.3
9	TUOLUMNE	485.3	1.7	3.4 *	0.3	13.8
10	SANTA CLARA	27,054.3	101.7	3.8	3.0	4.5
11	SONOMA	5,800.3	22.3	3.9	2.4	5.8
12	CONTRA COSTA	13,398.7	54.0	4.0	3.0	5.3
13	SAN MATEO	9,829.7	40.7	4.1	3.0	5.6
14	YOLO	2,612.7	11.0	4.2 *	2.1	7.5
15	SAN BENITO	861.0	3.7	4.3 *	1.1	11.3
16	ALAMEDA	21,189.0	92.3	4.4	3.5	5.3
17	SAN FRANCISCO	8,949.7	39.3	4.4	3.1	6.0
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
18	MONTEREY	7,487.3	34.7	4.6	3.2	6.4
19	SANTA CRUZ	3,575.3	16.7	4.7 *	2.7	7.5
20	LAKE	714.3	3.3	4.7 *	1.1	13.0
21	EL DORADO	1,910.7	9.0	4.7 *	2.2	8.9
22	ORANGE	43,578.7	207.0	4.8	4.1	5.4
23	PLACER	3,994.0	19.0	4.8 *	2.9	7.4
24	SAN DIEGO	47,075.7	235.7	5.0	4.4	5.6
25	MADERA	2,589.7	13.0	5.0 *	2.7	8.6
26	IMPERIAL	3,165.7	16.0	5.1 *	2.9	8.2
27	SANTA BARBARA	6,259.3	31.7	5.1	3.5	7.2
28	SUTTER	1,514.3	7.7	5.1 *	2.1	10.1
CALIFORNIA		560,208.0	2,960.0	5.3	5.1	5.5
29	LOS ANGELES	150,571.3	813.0	5.4	5.0	5.8
30	RIVERSIDE	33,708.7	183.0	5.4	4.6	6.2
31	SHASTA	2,205.0	12.0	5.4 *	2.8	9.5
32	NAPA	1,697.3	9.3	5.5 *	2.6	10.3
33	VENTURA	12,246.0	67.7	5.5	4.3	7.0
34	YUBA	1,319.0	7.3	5.6 *	2.3	11.3
35	SACRAMENTO	21,823.7	127.3	5.8	4.8	6.8
36	AMADOR	285.3	1.7	5.8 *	0.5	23.4
37	KINGS	2,725.3	16.0	5.9 *	3.4	9.5
38	GLENN	454.0	2.7	5.9 *	1.1	18.2
39	TEHAMA	791.3	4.7	5.9 *	1.8	14.1
40	SOLANO	5,753.3	35.0	6.1	4.2	8.5
41	HUMBOLDT	1,618.3	10.0	6.2 *	3.0	11.4
42	SAN JOAQUIN	11,469.0	71.7	6.2	4.9	7.9
43	FRESNO	16,979.7	106.3	6.3	5.1	7.5
44	TULARE	8,443.0	53.3	6.3	4.7	8.3
45	STANISLAUS	8,702.3	55.0	6.3	4.8	8.2
46	MERCED	4,605.0	29.3	6.4	4.3	9.1
47	SAN BERNARDINO	34,559.0	222.7	6.4	5.6	7.3
48	BUTTE	2,559.3	17.3	6.8 *	4.0	10.8
49	KERN	15,251.0	107.3	7.0	5.7	8.4
50	MODOC	84.3	0.7	7.9 *	0.0	59.1
51	TRINITY	123.3	1.0	8.1 *	0.2	45.2
52	MENDOCINO	1,142.3	9.7	8.5 *	4.0	15.7
53	DEL NORTE	344.3	3.0	8.7 *	1.8	25.5
54	MARIPOSA	149.3	1.3	8.9 *	0.5	41.1
55	LASSEN	282.3	2.7	9.4 *	1.7	29.3
56	INYO	229.3	2.3	10.2 *	1.5	33.8
57	MONO	176.3	2.3	13.2 *	2.0	43.9
58	SIERRA	20.0	0.3	16.7 *	0.0	217.9

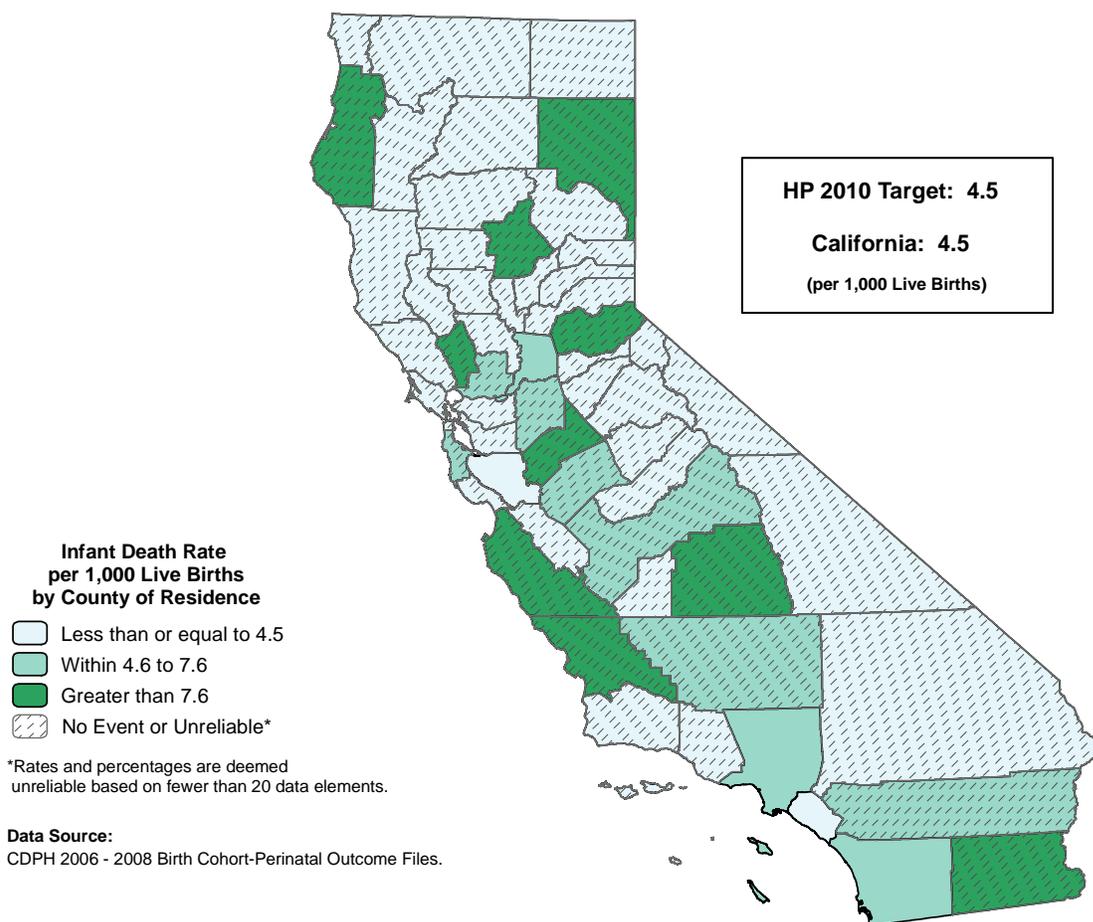
* Rates are deemed unreliable based on fewer than 20 data elements.

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

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

Source: California Department of Public Health: 2006 - 2008 Birth Cohort-Perinatal Outcome Files.

ASIAN/PACIFIC ISLANDER INFANT MORTALITY, 2006-2008



The Asian/Pacific Islander birth cohort infant death rate for California was 4.5 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 220 births. This rate was based on a 2006 through 2008 three-year average number of infant deaths equaling 305.7 infant deaths and 67,238.0 live births.

Among counties with reliable rates, the birth cohort infant death rate for Asian/Pacific Islanders ranged from 5.9 in Sacramento County to 3.9 in Santa Clara County, a factor of 1.5 to 1.

Two counties with reliable infant death rates and California as a whole met the Healthy People 2010 National Objective 16-1c of no more than 4.5 infant deaths per 1,000 birth cohort live births. An additional thirteen counties with unreliable rates and twenty-three counties with no infant deaths met the objective.

**TABLE 24B
ASIAN/PACIFIC ISLANDER INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	KINGS	94.7	0.0	-	-	-
2	SHASTA	82.3	0.0	-	-	-
3	MADERA	38.0	0.0	-	-	-
4	DEL NORTE	16.7	0.0	-	-	-
5	MENDOCINO	16.7	0.0	-	-	-
6	SAN BENITO	16.0	0.0	-	-	-
7	GLENN	15.0	0.0	-	-	-
8	NEVADA	11.3	0.0	-	-	-
9	SISKIYOU	10.3	0.0	-	-	-
10	TUOLUMNE	9.3	0.0	-	-	-
11	LAKE	9.0	0.0	-	-	-
12	AMADOR	7.7	0.0	-	-	-
13	CALAVERAS	6.3	0.0	-	-	-
14	TEHAMA	6.3	0.0	-	-	-
15	INYO	3.3	0.0	-	-	-
16	MARIPOSA	2.0	0.0	-	-	-
17	MONO	2.0	0.0	-	-	-
18	COLUSA	1.7	0.0	-	-	-
19	PLUMAS	1.3	0.0	-	-	-
20	TRINITY	1.3	0.0	-	-	-
21	MODOC	0.3	0.0	-	-	-
22	SIERRA	0.3	0.0	-	-	-
23	ALPINE	0.0	0.0	-	-	-
24	YOLO	276.3	0.3	1.2 *	0.0	15.8
25	PLACER	277.7	0.7	2.4 *	0.0	17.9
26	SONOMA	273.0	0.7	2.4 *	0.0	18.2
27	SAN FRANCISCO	2,782.7	7.0	2.5 *	1.0	5.2
28	SANTA BARBARA	237.7	0.7	2.8 *	0.0	21.0
29	ALAMEDA	5,688.0	16.3	2.9 *	1.7	4.6
30	VENTURA	811.3	2.3	2.9 *	0.4	9.6
31	YUBA	110.7	0.3	3.0 *	0.0	39.4
32	MARIN	218.7	0.7	3.0 *	0.0	22.8
33	SANTA CRUZ	106.7	0.3	3.1 *	0.0	40.9
34	SUTTER	209.7	0.7	3.2 *	0.0	23.8
35	SANTA CLARA	8,899.7	34.3	3.9	2.7	5.4
36	ORANGE	7,245.0	29.0	4.0	2.7	5.7
37	CONTRA COSTA	1,973.0	8.3	4.2 *	1.9	8.2
38	SAN BERNARDINO	1,876.7	8.0	4.3 *	1.8	8.4
	CALIFORNIA	67,238.0	305.7	4.5	4.0	5.1
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)			4.5		
39	SAN MATEO	2,609.0	12.0	4.6 *	2.4	8.0
40	LOS ANGELES	16,739.7	77.7	4.6	3.7	5.8
41	SOLANO	824.3	4.3	5.3 *	1.5	13.0
42	SAN DIEGO	4,630.0	26.0	5.6	3.7	8.2
43	SACRAMENTO	3,637.3	21.3	5.9	3.6	8.9
44	SAN JOAQUIN	1,657.7	10.0	6.0 *	2.9	11.1
45	KERN	488.7	3.0	6.1 *	1.3	17.9
46	FRESNO	1,662.7	11.0	6.6 *	3.3	11.8
47	MERCED	344.0	2.3	6.8 *	1.0	22.5
48	RIVERSIDE	1,743.3	12.7	7.3 *	3.8	12.5
49	STANISLAUS	466.0	3.7	7.9 *	2.0	20.9
50	MONTEREY	317.0	2.7	8.4 *	1.5	26.1
51	EL DORADO	76.0	0.7	8.8 *	0.0	65.5
52	NAPA	113.7	1.0	8.8 *	0.2	49.0
53	TULARE	258.0	2.3	9.0 *	1.4	30.0
54	IMPERIAL	28.7	0.3	11.6 *	0.0	152.0
55	SAN LUIS OBISPO	74.0	1.0	13.5 *	0.3	75.3
56	BUTTE	165.7	2.7	16.1 *	2.9	49.9
57	HUMBOLDT	59.3	1.0	16.9 *	0.4	93.9
58	LASSEN	4.3	0.3	76.9 *	0.0	1,005.8

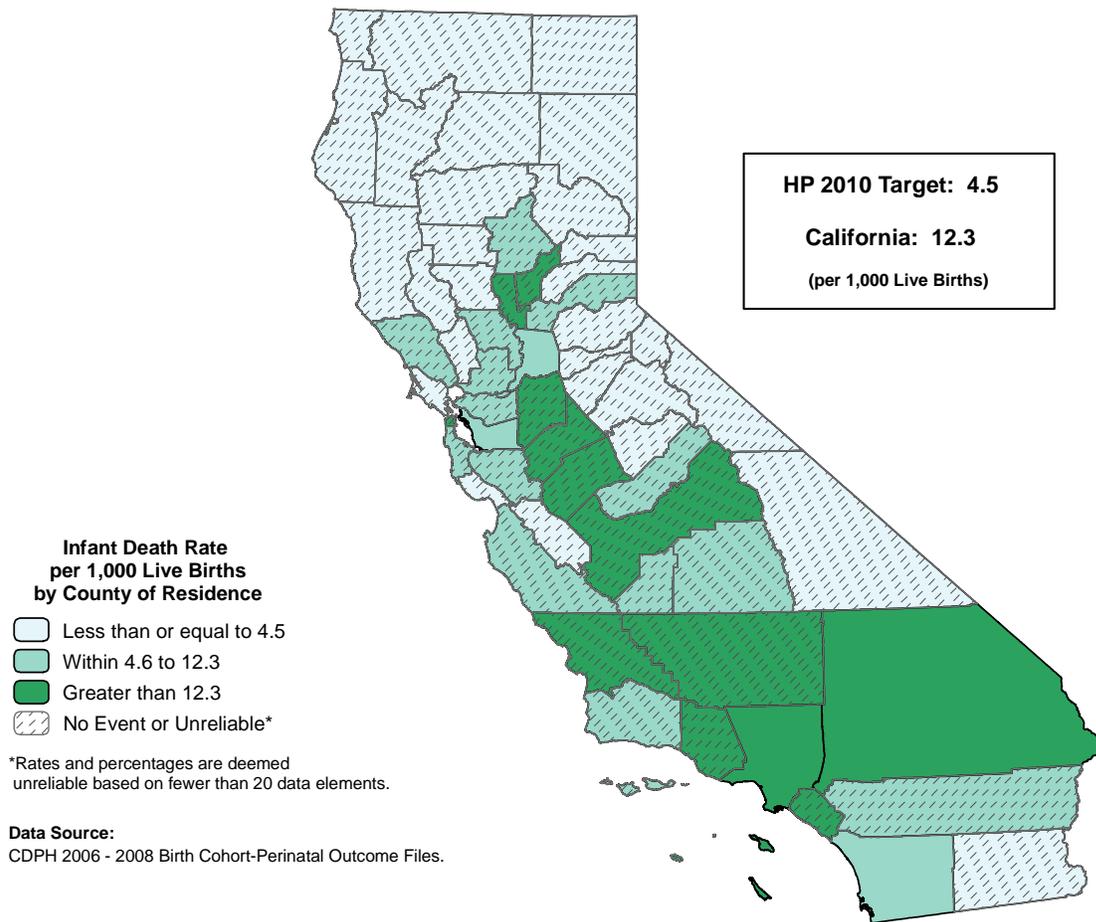
* Rates are deemed unreliable based on fewer than 20 data elements.

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

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

Source: California Department of Public Health: 2006 - 2008 Birth Cohort-Perinatal Outcome Files.

BLACK INFANT MORTALITY, 2006-2008



The Black birth cohort infant death rate for California was 12.3 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 81 births. This rate was based on a 2006 through 2008 three-year average number of infant deaths equaling 365.7 and 29,684.0 live births.

Among counties with reliable rates, the birth cohort infant death rate for Blacks ranged from 13.7 in San Bernardino County to 10.5 in San Diego County, a factor of 1.3 to 1.

No county with a reliable infant death rate or an unreliable infant death rate met the Healthy People 2010 National Objective 16-1c of no more than 4.5 infant deaths per 1,000 birth cohort live births. Twenty-eight counties with no infant deaths met the objective. The statewide Black infant death rate did not meet the national objective.

**TABLE 24C
BLACK INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	MARIN	48.7	0.0	-	-	-
2	IMPERIAL	24.0	0.0	-	-	-
3	SHASTA	21.0	0.0	-	-	-
4	NAPA	19.3	0.0	-	-	-
5	SANTA CRUZ	16.3	0.0	-	-	-
6	HUMBOLDT	14.0	0.0	-	-	-
7	EL DORADO	9.7	0.0	-	-	-
8	LAKE	9.3	0.0	-	-	-
9	SISKIYOU	4.7	0.0	-	-	-
10	MENDOCINO	3.3	0.0	-	-	-
11	LASSEN	3.0	0.0	-	-	-
12	SAN BENITO	3.0	0.0	-	-	-
13	TEHAMA	2.7	0.0	-	-	-
14	CALAVERAS	2.3	0.0	-	-	-
15	GLENN	2.3	0.0	-	-	-
16	NEVADA	2.0	0.0	-	-	-
17	COLUSA	1.7	0.0	-	-	-
18	PLUMAS	1.3	0.0	-	-	-
19	MARIPOSA	1.0	0.0	-	-	-
20	MONO	1.0	0.0	-	-	-
21	TUOLUMNE	0.7	0.0	-	-	-
22	AMADOR	0.3	0.0	-	-	-
23	DEL NORTE	0.3	0.0	-	-	-
24	INYO	0.3	0.0	-	-	-
25	MODOC	0.3	0.0	-	-	-
26	ALPINE	0.0	0.0	-	-	-
27	SIERRA	0.0	0.0	-	-	-
28	TRINITY	0.0	0.0	-	-	-
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
29	SANTA BARBARA	64.7	0.3	5.2 *	0.0	67.4
30	YOLO	52.0	0.3	6.4 *	0.0	83.8
31	TULARE	98.0	0.7	6.8 *	0.0	50.8
32	MONTEREY	97.7	0.7	6.8 *	0.0	51.0
33	SAN MATEO	180.3	1.3	7.4 *	0.4	34.0
34	PLACER	40.3	0.3	8.3 *	0.0	108.1
35	BUTTE	38.3	0.3	8.7 *	0.0	113.7
36	KINGS	111.0	1.0	9.0 *	0.2	50.2
37	MADERA	36.7	0.3	9.1 *	0.0	118.9
38	SANTA CLARA	544.7	5.3	9.8 *	3.3	22.3
39	SOLANO	744.7	7.3	9.8 *	4.1	20.0
40	SONOMA	66.0	0.7	10.1 *	0.1	75.5
41	SAN DIEGO	2,067.7	21.7	10.5	6.5	15.9
42	ALAMEDA	2,495.7	26.7	10.7	7.0	15.6
43	RIVERSIDE	1,663.3	18.3	11.0 *	6.6	17.3
44	SACRAMENTO	2,215.3	25.0	11.3	7.3	16.7
45	CONTRA COSTA	1,213.7	14.0	11.5 *	6.3	19.4
CALIFORNIA		29,684.0	365.7	12.3	11.1	13.6
46	LOS ANGELES	11,004.0	137.7	12.5	10.4	14.6
47	SUTTER	25.0	0.3	13.3 *	0.0	174.3
48	SAN BERNARDINO	2,778.3	38.0	13.7	9.7	18.8
49	ORANGE	459.3	6.7	14.5 *	5.7	30.4
50	SAN JOAQUIN	811.0	12.0	14.8 *	7.6	25.8
51	FRESNO	870.0	13.3	15.3 *	8.2	26.0
52	KERN	763.0	12.0	15.7 *	8.1	27.5
53	SAN LUIS OBISPO	19.3	0.3	17.2 *	0.0	225.4
54	SAN FRANCISCO	560.3	10.7	19.0 *	9.4	34.4
55	YUBA	33.3	0.7	20.0 *	0.1	149.4
56	VENTURA	132.3	2.7	20.2 *	3.6	62.4
57	STANISLAUS	169.0	3.7	21.7 *	5.5	57.7
58	MERCED	136.3	3.3	24.4 *	5.6	68.0

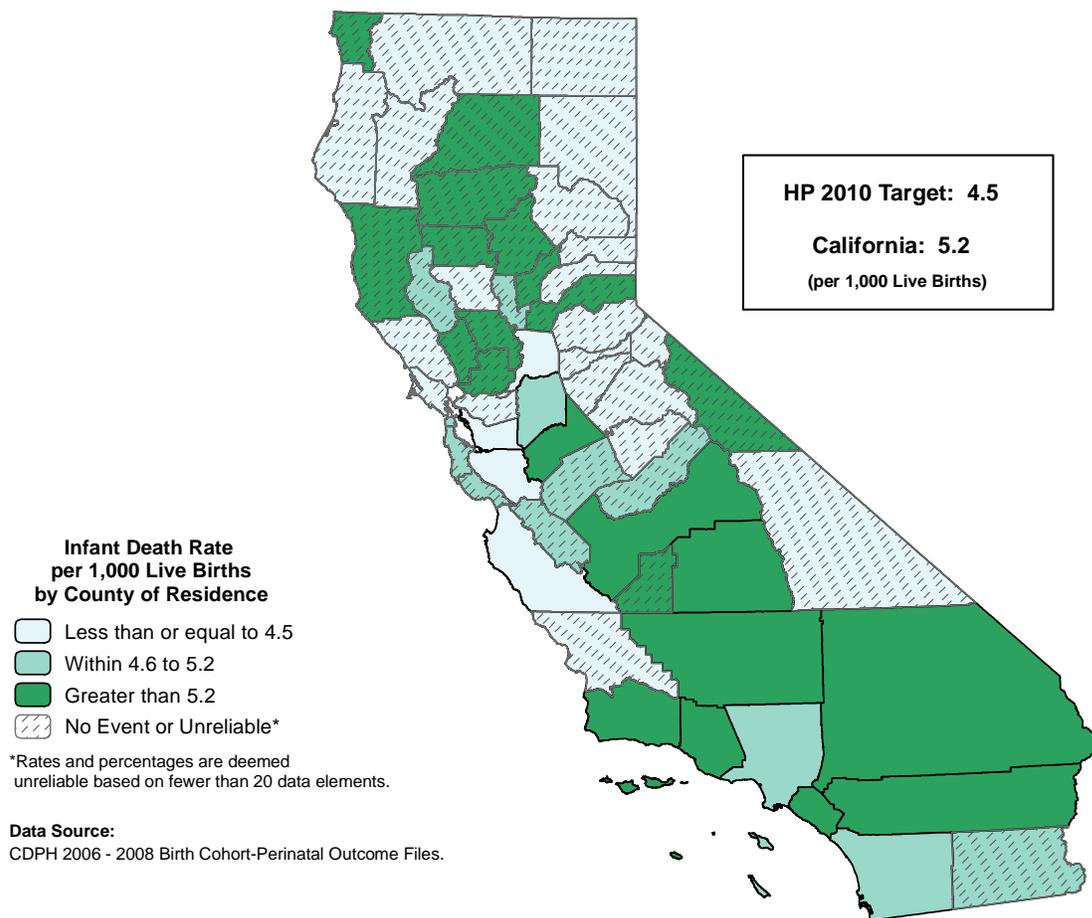
* Rates are deemed unreliable based on fewer than 20 data elements.

- 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: 2006 - 2008 Birth Cohort-Perinatal Outcome Files.

HISPANIC INFANT MORTALITY, 2006-2008



The Hispanic birth cohort infant death rate for California was 5.2 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 193 births. This rate was based on a 2006 through 2008 three-year average number of infant deaths equaling 1,512.0 and 292,627.0 live births.

Among counties with reliable rates, the birth cohort infant death rate for Hispanics ranged from 6.8 in Stanislaus County to 3.3 in Alameda County, a factor of 2.1 to 1.

Four counties with reliable infant death rates met the Healthy People 2010 National Objective 16-1c of no more than 4.5 infant deaths per 1,000 birth cohort live births. An additional eight counties with unreliable rates and twelve counties with no infant deaths met the objective. The statewide Hispanic infant death rate did not meet the national objective.

**TABLE 24D
HISPANIC INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	NEVADA	130.3	0.0	-	-	-
2	SISKIYOU	88.3	0.0	-	-	-
3	TUOLUMNE	73.7	0.0	-	-	-
4	CALAVERAS	50.7	0.0	-	-	-
5	AMADOR	45.3	0.0	-	-	-
6	LASSEN	40.3	0.0	-	-	-
7	PLUMAS	25.3	0.0	-	-	-
8	MARIPOSA	16.0	0.0	-	-	-
9	MODOC	11.3	0.0	-	-	-
10	TRINITY	11.3	0.0	-	-	-
11	SIERRA	2.0	0.0	-	-	-
12	ALPINE	1.7	0.0	-	-	-
13	COLUSA	272.0	0.3	1.2 *	0.0	16.0
14	EL DORADO	420.3	0.7	1.6 *	0.0	11.8
15	HUMBOLDT	237.3	0.7	2.8 *	0.0	21.0
16	CONTRA COSTA	4,913.7	15.7	3.2 *	1.8	5.2
17	ALAMEDA	6,798.7	22.3	3.3	2.1	5.0
18	MARIN	787.0	3.0	3.8 *	0.8	11.1
19	SAN LUIS OBISPO	1,020.7	4.0	3.9 *	1.1	10.0
20	SANTA CLARA	10,139.3	41.3	4.1	2.9	5.5
21	MONTEREY	5,634.7	23.0	4.1	2.6	6.1
22	SACRAMENTO	6,520.0	28.7	4.4	2.9	6.3
23	SONOMA	2,574.3	11.3	4.4 *	2.2	7.8
24	INYO	75.7	0.3	4.4 *	0.0	57.6
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
25	SAN FRANCISCO	1,903.0	8.7	4.6 *	2.0	8.7
26	SAN BENITO	637.7	3.0	4.7 *	1.0	13.7
27	IMPERIAL	2,839.3	13.7	4.8 *	2.6	8.1
28	MADERA	1,905.0	9.3	4.9 *	2.3	9.2
29	SAN DIEGO	20,974.0	103.0	4.9	4.0	5.9
30	SAN JOAQUIN	5,833.3	28.7	4.9	3.3	7.1
31	MERCED	3,027.0	15.3	5.1 *	2.9	8.3
32	SUTTER	591.7	3.0	5.1 *	1.0	14.8
33	LOS ANGELES	95,008.0	485.3	5.1	4.7	5.6
34	LAKE	193.3	1.0	5.2 *	0.1	28.8
35	SAN MATEO	3,273.3	17.0	5.2 *	3.0	8.3
36	SANTA CRUZ	2,047.3	10.7	5.2 *	2.6	9.4
CALIFORNIA		292,627.0	1,512.0	5.2	4.9	5.4
37	ORANGE	22,539.3	118.7	5.3	4.3	6.2
38	RIVERSIDE	20,471.7	108.0	5.3	4.3	6.3
39	YOLO	1,133.7	6.0	5.3 *	1.9	11.5
40	SANTA BARBARA	4,164.3	22.7	5.4	3.4	8.2
41	SAN BERNARDINO	20,612.3	116.3	5.6	4.6	6.7
42	TULARE	6,103.7	35.3	5.8	4.0	8.0
43	YUBA	402.7	2.3	5.8 *	0.9	19.2
44	PLACER	797.7	4.7	5.9 *	1.8	14.0
45	GLENN	227.3	1.3	5.9 *	0.3	27.0
46	VENTURA	7,368.3	44.3	6.0	4.4	8.1
47	FRESNO	10,445.0	63.3	6.1	4.7	7.8
48	KINGS	1,620.7	10.3	6.4 *	3.1	11.6
49	SOLANO	2,001.3	13.3	6.7 *	3.6	11.3
50	KERN	9,308.7	62.3	6.7	5.1	8.6
51	STANISLAUS	4,791.0	32.7	6.8	4.7	9.6
52	BUTTE	516.0	3.7	7.1 *	1.8	18.9
53	SHASTA	232.0	1.7	7.2 *	0.6	28.8
54	NAPA	926.0	6.7	7.2 *	2.8	15.1
55	MENDOCINO	414.7	3.3	8.0 *	1.9	22.3
56	TEHAMA	272.3	2.3	8.6 *	1.3	28.5
57	DEL NORTE	63.7	1.0	15.7 *	0.4	87.5
58	MONO	91.7	1.7	18.2 *	1.6	73.0

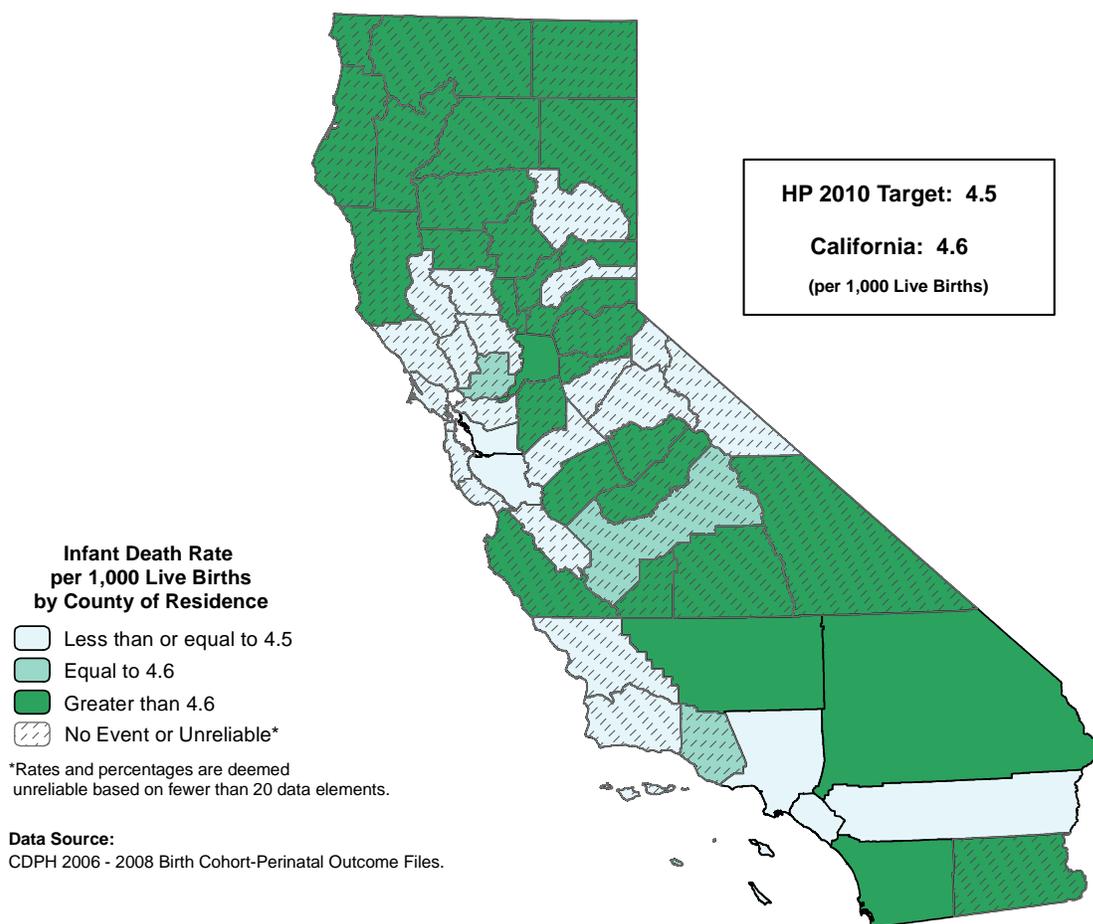
* Rates are deemed unreliable based on fewer than 20 data elements.

- 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: 2006 - 2008 Birth Cohort-Perinatal Outcome Files.

WHITE INFANT MORTALITY, 2006-2008



The White birth cohort infant death rate for California was 4.6 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 216 births. This rate was based on a 2006 through 2008 three-year average number of infant deaths equaling 698.0 and 150,907.0 live births.

Among counties with reliable rates, the birth cohort infant death rate for Whites ranged from 6.4 in Kern County to 3.4 in Santa Clara County, a factor of 1.9 to 1.

Five counties with reliable infant death rates met the Healthy People 2010 National Objective 16-1c of no more than 4.5 infant deaths per 1,000 birth cohort live births. An additional nineteen counties with unreliable rates and one county with no infant deaths met the objective. The statewide White infant death rate did not meet the national objective.

**TABLE 24E
WHITE INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	ALPINE	5.3	0.0	-	-	-
2	CALAVERAS	306.3	0.7	2.2 *	0.0	16.3
3	NAPA	599.3	1.3	2.2 *	0.1	10.2
4	PLUMAS	142.7	0.3	2.3 *	0.0	30.5
5	SAN LUIS OBISPO	1,571.0	4.0	2.5 *	0.7	6.5
6	MARIN	1,651.0	4.7	2.8 *	0.9	6.8
7	CONTRA COSTA	4,598.3	13.3	2.9 *	1.6	4.9
8	YOLO	1,058.3	3.3	3.1 *	0.7	8.8
9	SAN FRANCISCO	3,444.3	11.0	3.2 *	1.6	5.7
10	SAN MATEO	2,982.0	10.0	3.4 *	1.6	6.2
11	SANTA CLARA	5,936.0	20.0	3.4	2.1	5.2
12	SONOMA	2,646.0	9.0	3.4 *	1.6	6.5
13	SAN BENITO	191.7	0.7	3.5 *	0.0	26.0
14	COLUSA	95.3	0.3	3.5 *	0.0	45.7
15	TUOLUMNE	376.3	1.3	3.5 *	0.2	16.3
16	LOS ANGELES	25,166.7	98.3	3.9	3.2	4.8
17	NEVADA	671.7	2.7	4.0 *	0.7	12.3
18	ORANGE	12,335.0	52.0	4.2	3.1	5.5
19	MONO	78.0	0.3	4.3 *	0.0	55.9
20	STANISLAUS	2,979.7	13.0	4.4 *	2.3	7.5
21	SANTA CRUZ	1,290.0	5.7	4.4 *	1.6	9.8
22	LAKE	451.0	2.0	4.4 *	0.5	16.0
23	SANTA BARBARA	1,650.3	7.3	4.4 *	1.8	9.0
24	RIVERSIDE	8,825.7	39.3	4.5	3.2	6.1
25	ALAMEDA	5,259.3	23.7	4.5	2.9	6.7
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
26	SOLANO	1,831.3	8.3	4.6 *	2.0	8.8
27	VENTURA	3,653.0	16.7	4.6 *	2.6	7.3
28	FRESNO	3,607.7	16.7	4.6 *	2.7	7.4
CALIFORNIA		150,907.0	698.0	4.6	4.3	5.0
29	SISKIYOU	351.0	1.7	4.7 *	0.4	19.1
30	PLACER	2,727.3	13.0	4.8 *	2.5	8.2
31	HUMBOLDT	1,095.3	5.3	4.9 *	1.7	11.1
32	TEHAMA	476.7	2.3	4.9 *	0.7	16.3
33	YUBA	719.7	3.7	5.1 *	1.3	13.6
34	SAN DIEGO	14,914.0	78.0	5.2	4.1	6.5
35	KINGS	823.3	4.3	5.3 *	1.5	13.0
36	SACRAMENTO	8,425.7	45.3	5.4	3.9	7.2
37	MADERA	551.0	3.0	5.4 *	1.1	15.9
38	SUTTER	645.0	3.7	5.7 *	1.4	15.1
39	SHASTA	1,750.7	10.0	5.7 *	2.7	10.5
40	EL DORADO	1,334.0	7.7	5.7 *	2.4	11.5
41	INYO	114.7	0.7	5.8 *	0.0	43.4
42	BUTTE	1,692.7	10.0	5.9 *	2.8	10.9
43	SAN JOAQUIN	2,799.3	17.0	6.1 *	3.5	9.7
44	MONTEREY	1,317.0	8.0	6.1 *	2.6	12.0
45	SAN BERNARDINO	8,552.7	52.3	6.1	4.6	8.0
46	DEL NORTE	215.3	1.3	6.2 *	0.3	28.5
47	AMADOR	215.0	1.3	6.2 *	0.3	28.6
48	KERN	4,355.0	28.0	6.4	4.3	9.3
49	GLENN	196.3	1.3	6.8 *	0.4	31.3
50	TULARE	1,839.7	13.0	7.1 *	3.8	12.1
51	MERCED	1,042.3	8.3	8.0 *	3.5	15.5
52	IMPERIAL	242.3	2.0	8.3 *	1.0	29.8
53	MENDOCINO	589.3	5.3	9.0 *	3.1	20.6
54	LASSEN	215.3	2.0	9.3 *	1.1	33.6
55	TRINITY	98.7	1.0	10.1 *	0.3	56.5
56	MODOC	65.3	0.7	10.2 *	0.1	76.2
57	MARIPOSA	122.0	1.3	10.9 *	0.6	50.3
58	SIERRA	17.0	0.3	19.6 *	0.0	256.4

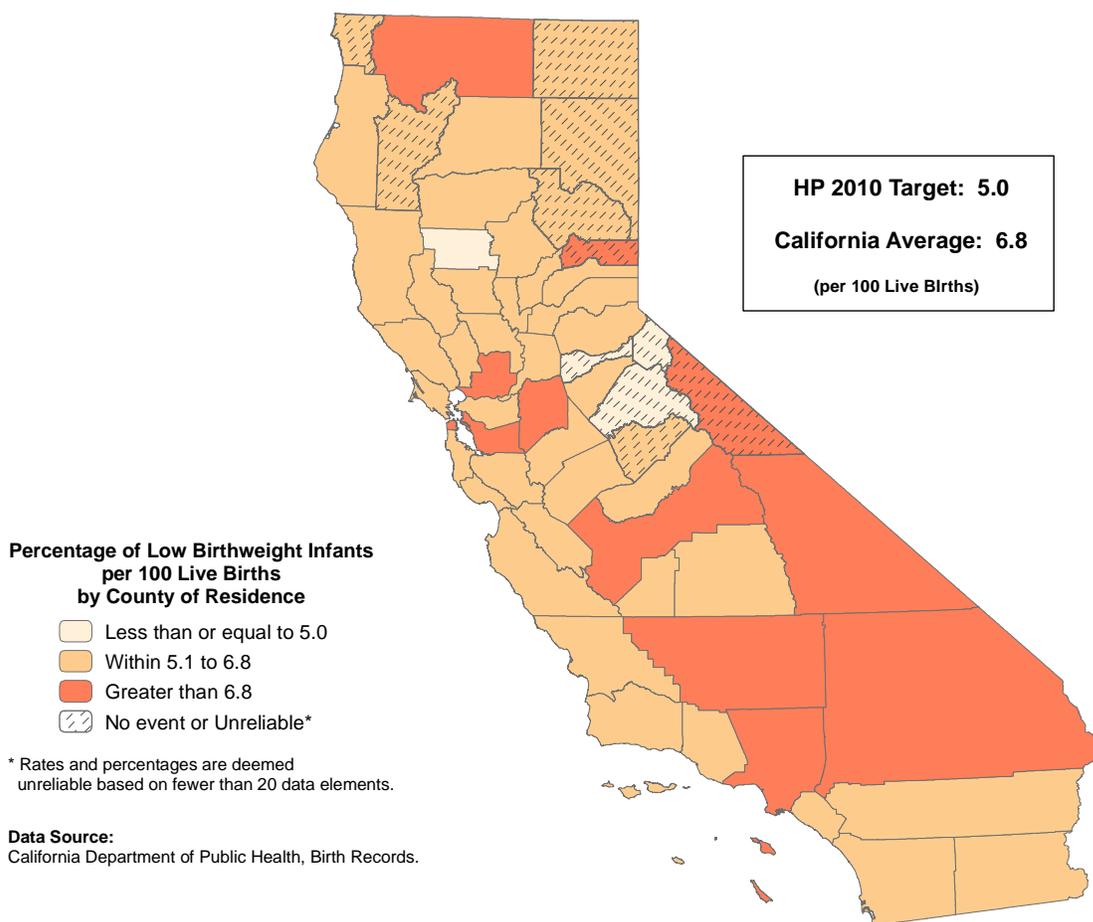
* Rates are deemed unreliable based on fewer than 20 data elements.

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

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

Source: California Department of Public Health: 2006 - 2008 Birth Cohort-Perinatal Outcome Files.

LOW BIRTHWEIGHT INFANTS, 2007-2009



The percentage of low birthweight infants for California was 6.8 per 100 live births, a percent equivalent to about one in 14.7 live births. This percentage was based on a 2007 through 2009 three-year average number of low birthweight infants equaling 37,473.7 and 548,142.0 live births.

Among counties with reliable percentages, the percent of low birthweight infants ranged from 8.9 in Inyo County to 4.7 in Glenn County, a factor of 1.9 to 1.

One county with a reliable percentage met the Healthy People 2010 National Objective 16-10a of reducing the incidence of low birthweight infants to no more than 5.0 percent of total births. An additional three counties with unreliable percentages met the objective. The statewide percentage of low birthweight infants did not meet the national objective.

**TABLE 25
LOW BIRTHWEIGHT INFANTS
RANKED BY THREE-YEAR AVERAGE LOW BIRTHWEIGHT PERCENTAGE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2007-2009 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		LIVE BIRTHS	LOW BIRTHWEIGHT		LOWER	UPPER
			NUMBER	PERCENT		
1	ALPINE	10.0	0.3	3.3 *	0.0	43.6
2	TUOLUMNE	461.7	19.7	4.3 *	2.6	6.6
3	GLENN	443.3	20.7	4.7	2.9	7.1
4	AMADOR	292.3	14.3	4.9 *	2.7	8.2
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-10a)				5.0		
5	YOLO	2,558.0	132.0	5.2	4.3	6.0
6	PLUMAS	171.7	9.0	5.2 *	2.4	10.0
7	TEHAMA	789.7	42.7	5.4	3.9	7.3
8	LAKE	724.0	39.3	5.4	3.9	7.4
9	DEL NORTE	333.7	18.3	5.5 *	3.3	8.6
10	CALAVERAS	369.3	20.3	5.5	3.4	8.5
11	TRINITY	119.7	6.7	5.6 *	2.2	11.7
12	NEVADA	824.3	46.0	5.6	4.1	7.4
13	LASSEN	304.0	17.0	5.6 *	3.3	9.0
14	HUMBOLDT	1,580.3	88.7	5.6	4.5	6.9
15	SUTTER	1,466.0	82.7	5.6	4.5	7.0
16	MARIPOSA	147.7	8.3	5.6 *	2.5	11.0
17	MONTEREY	7,350.7	420.0	5.7	5.2	6.3
18	BUTTE	2,491.7	143.0	5.7	4.8	6.7
19	SONOMA	5,728.7	332.3	5.8	5.2	6.4
20	PLACER	3,963.3	232.0	5.9	5.1	6.6
21	SANTA BARBARA	6,215.3	373.3	6.0	5.4	6.6
22	NAPA	1,663.0	100.7	6.1	4.9	7.2
23	SANTA CRUZ	3,469.7	210.3	6.1	5.2	6.9
24	MENDOCINO	1,137.7	69.0	6.1	4.7	7.7
25	SAN LUIS OBISPO	2,745.0	166.7	6.1	5.1	7.0
26	SHASTA	2,161.7	132.0	6.1	5.1	7.1
27	EL DORADO	1,804.3	110.7	6.1	5.0	7.3
28	TULARE	8,466.7	522.0	6.2	5.6	6.7
29	YUBA	1,286.0	80.3	6.2	5.0	7.8
30	COLUSA	371.3	23.3	6.3	4.0	9.4
31	SAN BENITO	816.7	51.3	6.3	4.7	8.3
32	IMPERIAL	3,171.3	202.7	6.4	5.5	7.3
33	KINGS	2,711.7	173.7	6.4	5.5	7.4
34	MADERA	2,511.3	161.0	6.4	5.4	7.4
35	VENTURA	11,874.3	763.0	6.4	6.0	6.9
36	MARIN	2,676.3	172.0	6.4	5.5	7.4
37	STANISLAUS	8,437.7	548.7	6.5	6.0	7.0
38	ORANGE	42,304.3	2,751.3	6.5	6.3	6.7
39	MERCED	4,493.3	294.3	6.6	5.8	7.3
40	CONTRA COSTA	13,100.0	864.3	6.6	6.2	7.0
41	RIVERSIDE	33,007.0	2,187.0	6.6	6.3	6.9
42	MODOC	85.3	5.7	6.6 *	2.3	14.8
43	SAN MATEO	9,709.0	646.0	6.7	6.1	7.2
44	SAN DIEGO	46,415.0	3,122.7	6.7	6.5	7.0
45	SANTA CLARA	26,470.3	1,789.3	6.8	6.4	7.1
46	SACRAMENTO	21,305.3	1,440.3	6.8	6.4	7.1
CALIFORNIA		548,142.0	37,473.7	6.8	6.8	6.9
47	SAN JOAQUIN	11,163.0	772.3	6.9	6.4	7.4
48	SOLANO	5,615.3	395.0	7.0	6.3	7.7
49	ALAMEDA	20,935.7	1,480.3	7.1	6.7	7.4
50	SAN FRANCISCO	9,011.3	639.3	7.1	6.5	7.6
51	SAN BERNARDINO	33,653.7	2,405.3	7.1	6.9	7.4
52	KERN	15,155.7	1,093.7	7.2	6.8	7.6
53	LOS ANGELES	146,391.7	10,708.3	7.3	7.2	7.5
54	SISKIYOU	495.7	36.3	7.3	5.1	10.1
55	FRESNO	16,774.3	1,251.7	7.5	7.0	7.9
56	MONO	158.0	14.0	8.9 *	4.8	14.9
57	INYO	225.7	20.0	8.9	5.4	13.7
58	SIERRA	22.3	2.3	10.4 *	1.6	34.7

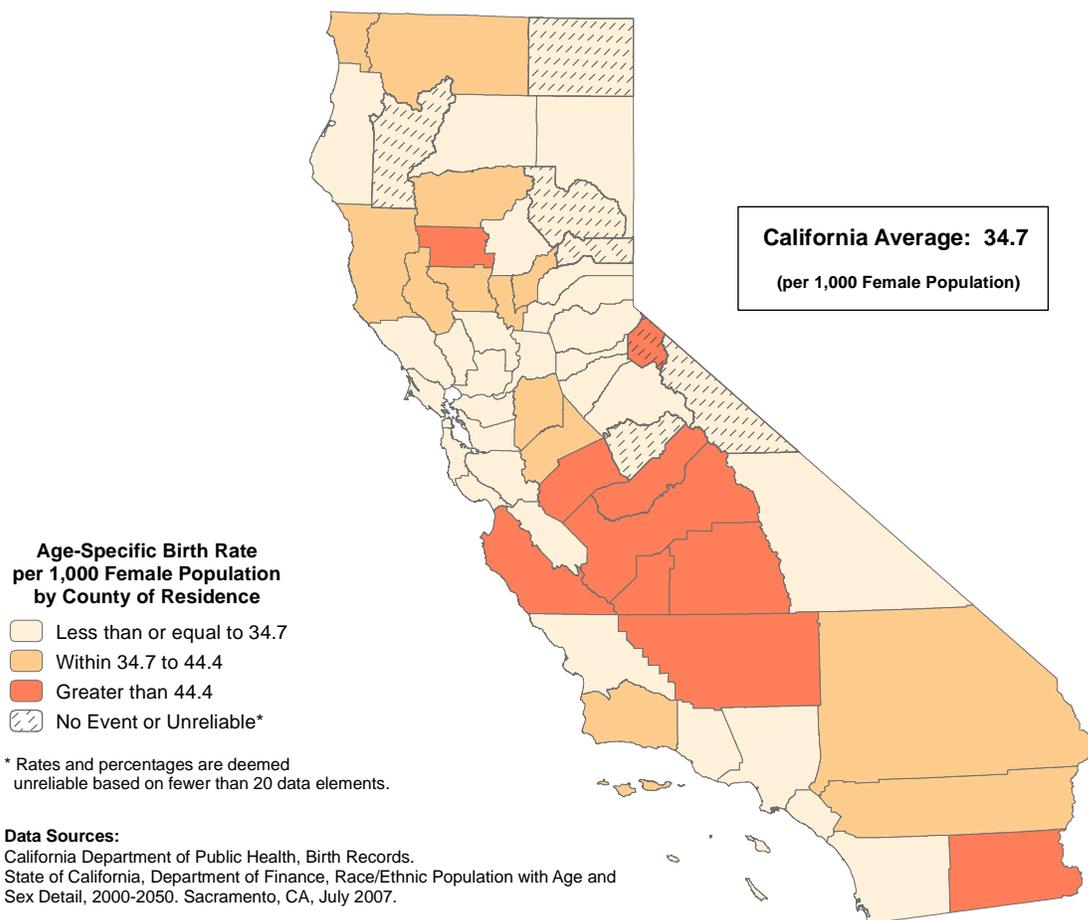
* Rates are deemed unreliable based on fewer than 20 data elements.

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

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

Source: California Department of Public Health: 2007-2009 Birth Statistical Master Files.

BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD, 2007-2009



The age-specific birth rate to adolescents aged 15 to 19 in California was 34.7 per 1,000 female population, a rate equivalent to approximately one birth for every 29 adolescent females. This rate was based on a 2007 through 2009 three-year average number of births of 50,969.3 and female population count of 1,470,271.

Among counties with reliable rates, the age-specific rate ranged from 62.7 in Kern County to 11.9 in Marin County, a factor of 5.3 to 1.

A Healthy People 2010 National Objective for births to adolescents aged 15 to 19 has not been established.

TABLE 26
BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD
RANKED BY THREE-YEAR AVERAGE AGE-SPECIFIC BIRTH RATE
CALIFORNIA COUNTIES, 2007-2009

RANK ORDER	COUNTY OF RESIDENCE	2008 FEMALE POPULATION 15-19 YRS OLD	2007-2009 LIVE BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTH RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE		
1	SIERRA	109	0.7	6.1 *	0.0	45.7
2	MARIN	7,355	87.7	11.9	9.6	14.7
3	PLACER	13,312	179.3	13.5	11.5	15.4
4	NEVADA	3,645	52.7	14.4	10.8	18.9
5	EL DORADO	7,289	116.7	16.0	13.1	18.9
6	MONO	509	8.3	16.4 *	7.2	31.8
7	MARIPOSA	614	12.0	19.5 *	10.1	34.1
8	SAN LUIS OBISPO	10,275	205.0	20.0	17.2	22.7
9	YOLO	9,936	204.3	20.6	17.7	23.4
10	SAN MATEO	21,776	452.3	20.8	18.9	22.7
11	PLUMAS	741	15.7	21.1 *	12.0	34.5
12	CALAVERAS	1,662	35.3	21.3	14.8	29.5
13	CONTRA COSTA	38,702	826.0	21.3	19.9	22.8
14	AMADOR	1,179	25.3	21.5	13.9	31.6
15	SAN FRANCISCO	13,494	298.3	22.1	19.6	24.6
16	SONOMA	17,359	402.3	23.2	20.9	25.4
17	SANTA CLARA	58,633	1,393.0	23.8	22.5	25.0
18	NAPA	4,866	120.7	24.8	20.4	29.2
19	ALAMEDA	50,459	1,292.0	25.6	24.2	27.0
20	ORANGE	114,014	2,924.7	25.7	24.7	26.6
21	TUOLUMNE	1,753	46.3	26.4	19.4	35.2
22	MODOC	374	10.0	26.7 *	12.8	49.2
23	TRINITY	538	14.7	27.3 *	15.1	45.2
24	BUTTE	9,107	250.7	27.5	24.1	30.9
25	LASSEN	1,154	32.0	27.7	19.0	39.1
26	HUMBOLDT	4,780	135.0	28.2	23.5	33.0
27	SOLANO	16,710	490.0	29.3	26.7	31.9
28	SAN DIEGO	114,523	3,779.0	33.0	31.9	34.0
29	SHASTA	7,102	236.7	33.3	29.1	37.6
30	INYO	720	24.0	33.3	21.4	49.6
31	SANTA CRUZ	9,060	304.7	33.6	29.9	37.4
32	LOS ANGELES	414,775	13,996.7	33.7	33.2	34.3
33	SAN BENITO	2,562	88.3	34.5	27.7	42.5
34	SACRAMENTO	55,514	1,921.7	34.6	33.1	36.2
35	VENTURA	31,976	1,108.3	34.7	32.6	36.7
	CALIFORNIA	1,470,271	50,969.3	34.7	34.4	35.0
36	SUTTER	3,871	138.3	35.7	29.8	41.7
37	MENDOCINO	3,179	113.7	35.8	29.2	42.3
38	SISKIYOU	1,608	61.7	38.3	29.4	49.2
39	RIVERSIDE	94,827	3,687.3	38.9	37.6	40.1
40	STANISLAUS	23,611	959.0	40.6	38.0	43.2
41	LAKE	2,282	94.7	41.5	33.5	50.7
42	SAN JOAQUIN	30,686	1,274.7	41.5	39.3	43.8
43	YUBA	3,287	138.0	42.0	35.0	49.0
44	SANTA BARBARA	16,517	697.0	42.2	39.1	45.3
45	TEHAMA	2,478	107.0	43.2	35.0	51.4
46	DEL NORTE	1,076	47.7	44.3	32.6	58.8
47	COLUSA	968	43.0	44.4	32.1	59.8
48	SAN BERNARDINO	93,980	4,177.0	44.4	43.1	45.8
49	GLENN	1,262	56.7	44.9	34.0	58.2
50	ALPINE	43	2.0	46.5 *	5.6	168.0
51	MERCED	11,724	595.3	50.8	46.7	54.9
52	FRESNO	40,804	2,215.7	54.3	52.0	56.6
53	MONTEREY	15,742	858.3	54.5	50.9	58.2
54	IMPERIAL	8,297	457.7	55.2	50.1	60.2
55	MADERA	6,343	363.7	57.3	51.4	63.2
56	KINGS	5,998	355.3	59.2	53.1	65.4
57	TULARE	19,915	1,229.3	61.7	58.3	65.2
58	KERN	35,196	2,206.0	62.7	60.1	65.3

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

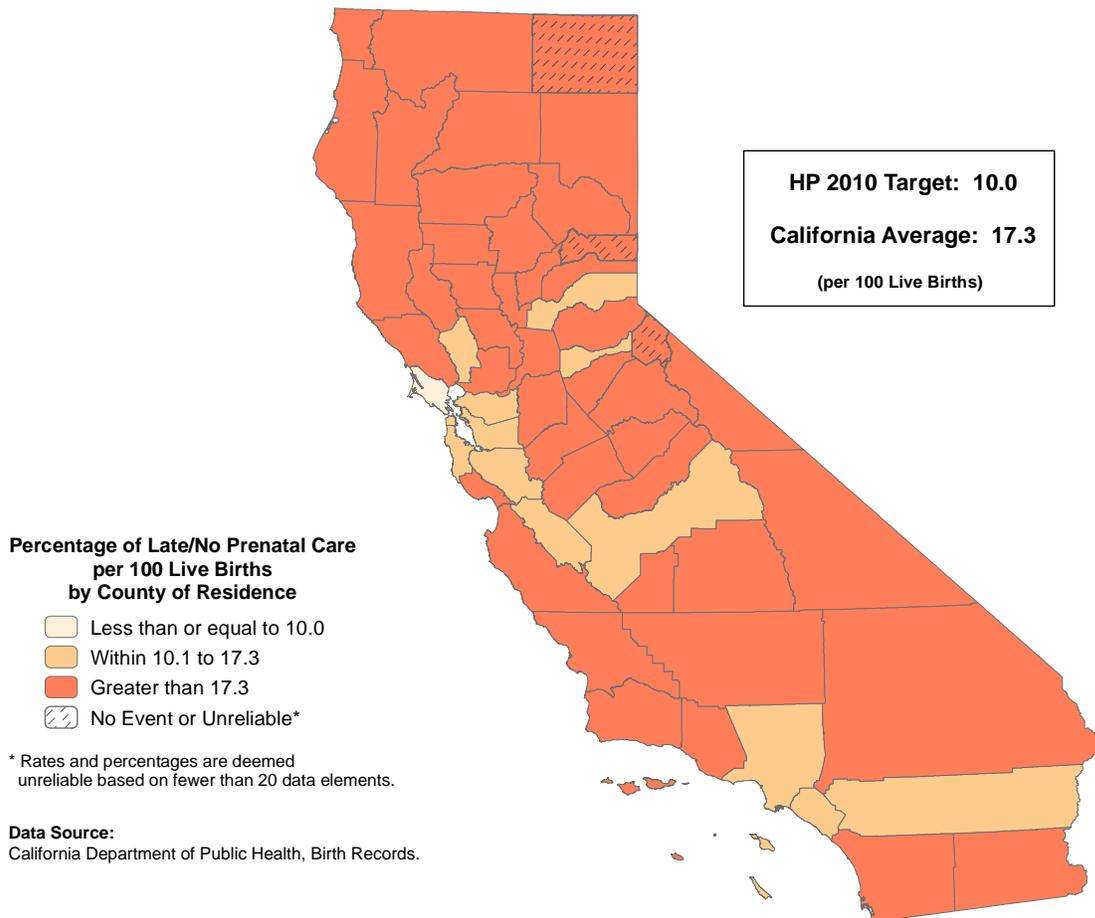
- Rates, percentages, and confidence limits are not calculated for zero events.

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

Sources: California Department of Public Health: 2007-2009 Birth Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

PRENATAL CARE NOT BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY, 2007-2009



The percentage of births to mothers with late or no prenatal care for California was 17.3 per 100 live births. This percentage was based on a 2007 through 2009 three-year average number of births to mothers with late or no prenatal care equaling 92,745.3 and 536,993.7 live births.

Among counties with reliable percentages, the percent of births to mothers with late or no prenatal care ranged from 43.5 in Del Norte County to 6.8 in Marin County, a factor of 6.4 to 1.

One county with a reliable percentage met the Healthy People 2010 National Objective 16-6a of reducing the percentage of mothers with late or no prenatal care to no more than 10.0 percent of total births. The statewide percentage of mothers with late or no prenatal care did not meet the national objective.

**TABLE 27A
 PRENATAL CARE NOT BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY
 RANKED BY PERCENTAGE OF THREE-YEAR AVERAGE LATE / NO PRENATAL CARE
 CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY OF RESIDENCE	2007-2009 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	LATE/NO PRENATAL CARE		LOWER	UPPER
			NUMBER	PERCENT		
1	MARIN	2,548.0	173.3	6.8	5.8	7.8
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-6a)				10.0		
2	ORANGE	42,043.3	4,828.7	11.5	11.2	11.8
3	SAN MATEO	9,551.3	1,133.0	11.9	11.2	12.6
4	FRESNO	15,906.3	1,939.3	12.2	11.6	12.7
5	AMADOR	290.0	38.3	13.2	9.4	18.1
6	ALAMEDA	20,781.7	2,797.3	13.5	13.0	14.0
7	LOS ANGELES	142,842.0	19,605.7	13.7	13.5	13.9
8	SAN BENITO	798.0	111.3	14.0	11.4	16.5
9	SAN FRANCISCO	8,963.0	1,275.0	14.2	13.4	15.0
10	PLACER	3,931.7	620.0	15.8	14.5	17.0
11	SANTA CLARA	25,969.0	4,191.3	16.1	15.7	16.6
12	CONTRA COSTA	12,969.3	2,150.7	16.6	15.9	17.3
13	RIVERSIDE	31,693.0	5,335.3	16.8	16.4	17.3
14	NAPA	1,645.7	283.7	17.2	15.2	19.2
CALIFORNIA		536,993.7	92,745.3	17.3	17.2	17.4
15	SAN DIEGO	46,265.0	8,352.7	18.1	17.7	18.4
16	SONOMA	5,663.3	1,042.7	18.4	17.3	19.5
17	SISKIYOU	490.0	90.7	18.5	14.9	22.7
18	SAN BERNARDINO	33,251.3	6,186.0	18.6	18.1	19.1
19	SANTA CRUZ	3,367.7	658.7	19.6	18.1	21.1
20	CALAVERAS	365.7	74.0	20.2	15.9	25.4
21	SACRAMENTO	20,818.0	4,223.0	20.3	19.7	20.9
22	EL DORADO	1,787.7	363.3	20.3	18.2	22.4
23	VENTURA	11,856.3	2,427.3	20.5	19.7	21.3
24	SIERRA	22.3	4.7	20.9 *	6.4	50.1
25	TUOLUMNE	460.0	97.0	21.1	17.1	25.7
26	HUMBOLDT	1,553.7	333.7	21.5	19.2	23.8
27	STANISLAUS	8,277.7	1,788.7	21.6	20.6	22.6
28	SAN LUIS OBISPO	2,696.7	586.7	21.8	20.0	23.5
29	MONO	156.7	35.0	22.3	15.6	31.1
30	NEVADA	819.7	187.3	22.9	19.6	26.1
31	INYO	224.0	51.7	23.1	17.2	30.3
32	YOLO	2,533.0	584.3	23.1	21.2	24.9
33	SOLANO	5,584.7	1,308.3	23.4	22.2	24.7
34	MODOC	79.3	18.7	23.5 *	14.1	36.9
35	TULARE	8,390.7	2,006.7	23.9	22.9	25.0
36	MONTEREY	7,231.3	1,752.0	24.2	23.1	25.4
37	KERN	13,952.7	3,443.7	24.7	23.9	25.5
38	KINGS	2,643.3	669.0	25.3	23.4	27.2
39	LASSEN	281.0	71.7	25.5	19.9	32.1
40	SANTA BARBARA	6,009.0	1,542.0	25.7	24.4	26.9
41	MADERA	2,419.0	626.3	25.9	23.9	27.9
42	PLUMAS	164.0	45.0	27.4	20.0	36.7
43	SAN JOAQUIN	11,007.0	3,027.3	27.5	26.5	28.5
44	BUTTE	2,443.0	695.3	28.5	26.3	30.6
45	MARIPOSA	141.7	40.7	28.7	20.6	39.0
46	GLENN	435.0	130.3	30.0	24.8	35.1
47	LAKE	717.3	221.7	30.9	26.8	35.0
48	SHASTA	2,035.0	636.7	31.3	28.9	33.7
49	MENDOCINO	1,117.7	351.7	31.5	28.2	34.8
50	COLUSA	369.0	118.3	32.1	26.3	37.8
51	TEHAMA	775.0	261.7	33.8	29.7	37.9
52	MERCED	4,331.7	1,615.3	37.3	35.5	39.1
53	TRINITY	114.3	44.7	39.1	28.5	52.3
54	IMPERIAL	3,134.7	1,246.3	39.8	37.6	42.0
55	YUBA	1,277.7	525.0	41.1	37.6	44.6
56	ALPINE	9.7	4.0	41.4 *	11.3	100.0
57	SUTTER	1,459.7	629.3	43.1	39.7	46.5
58	DEL NORTE	329.3	143.3	43.5	36.4	50.6

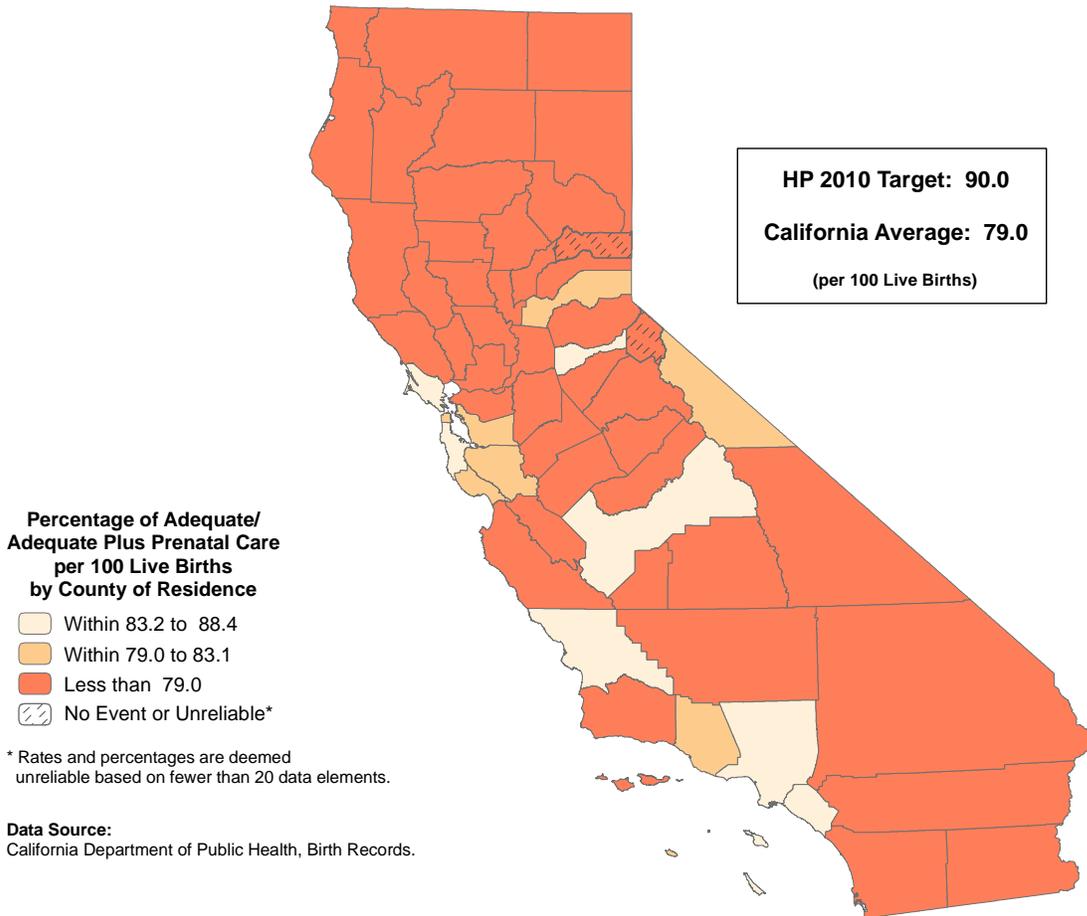
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Note: Counties were rank ordered first by increasing percentage of births to mothers with late or no prenatal care (calculated to 15 decimal places), second by decreasing size of the total number of live births.

Source: California Department of Public Health: 2007-2009 Birth Statistical Master Files.

**ADEQUATE/ADEQUATE PLUS PRENATAL CARE
(ADEQUACY OF PRENATAL CARE UTILIZATION INDEX), 2007-2009**



The percentage of births to mothers with adequate/adequate plus prenatal care for California was 79.0 per 100 live births. This percentage was based on a 2007 through 2009 three-year average number of births to mothers with adequate/adequate plus prenatal care equaling 417,428.0 and 528,065.0 live births.

Among counties with reliable percentages, the percent of births to mothers with adequate/adequate plus prenatal care ranged from 88.4 in Amador County to 54.2 in Trinity County, a factor of 1.6 to 1.

No county met the Healthy People 2010 National Objective 16-6b of increasing the proportion of pregnant women receiving early and adequate prenatal care to 90.0 percent of total births according to the Adequacy of Prenatal Care Utilization Index. The statewide percentage of mothers who received adequate/adequate plus prenatal care did not meet the national objective.

TABLE 27B
"ADEQUATE/ADEQUATE PLUS" PRENATAL CARE (ADEQUACY OF PRENATAL CARE UTILIZATION INDEX)
RANKED BY PERCENTAGE OF THREE-YEAR AVERAGE "ADEQUATE/ADEQUATE PLUS" PRENATAL CARE
CALIFORNIA COUNTIES, 2007-2009

RANK ORDER	COUNTY OF RESIDENCE	2007-2009 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL	ADEQUATE/ADEQUATE PLUS CARE		LOWER	UPPER
		NUMBER	NUMBER	PERCENT		
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-6b)			90.0			
1	AMADOR	290.0	256.3	88.4	77.6	99.2
2	MARIN	2,541.0	2,230.0	87.8	84.1	91.4
3	ORANGE	41,649.7	36,178.0	86.9	86.0	87.8
4	FRESNO	15,161.0	12,879.0	84.9	83.5	86.4
5	SAN MATEO	9,543.3	8,033.7	84.2	82.3	86.0
6	SAN LUIS OBISPO	2,656.0	2,216.0	83.4	80.0	86.9
7	LOS ANGELES	140,153.7	116,798.7	83.3	82.9	83.8
8	MONO	154.7	128.0	82.8	68.4	97.1
9	SANTA CRUZ	3,289.3	2,698.0	82.0	78.9	85.1
10	SAN FRANCISCO	8,953.7	7,308.7	81.6	79.8	83.5
11	VENTURA	11,840.7	9,590.0	81.0	79.4	82.6
12	SANTA CLARA	25,897.7	20,694.0	79.9	78.8	81.0
13	PLACER	3,925.3	3,115.0	79.4	76.6	82.1
14	ALAMEDA	20,747.3	16,442.3	79.3	78.0	80.5
CALIFORNIA		528,065.0	417,428.0	79.0	78.8	79.3
15	SAN BENITO	793.7	620.7	78.2	72.0	84.4
16	CALAVERAS	364.0	283.3	77.8	68.8	86.9
17	GLENN	421.7	328.0	77.8	69.4	86.2
18	SANTA BARBARA	5,856.3	4,538.0	77.5	75.2	79.7
19	RIVERSIDE	29,820.7	23,106.0	77.5	76.5	78.5
20	COLUSA	368.0	284.7	77.4	68.4	86.3
21	TUOLUMNE	457.7	352.7	77.1	69.0	85.1
22	TULARE	8,336.0	6,405.0	76.8	75.0	78.7
23	NAPA	1,633.3	1,254.3	76.8	72.5	81.0
24	YOLO	2,528.0	1,939.0	76.7	73.3	80.1
25	CONTRA COSTA	12,928.0	9,835.0	76.1	74.6	77.6
26	SACRAMENTO	20,695.0	15,717.3	75.9	74.8	77.1
27	NEVADA	817.3	620.3	75.9	69.9	81.9
28	SAN BERNARDINO	33,086.0	25,049.7	75.7	74.8	76.6
29	HUMBOLDT	1,537.3	1,156.3	75.2	70.9	79.6
30	SONOMA	5,639.7	4,213.0	74.7	72.4	77.0
31	SISKIYOU	488.0	364.3	74.7	67.0	82.3
32	MONTEREY	7,212.0	5,347.0	74.1	72.2	76.1
33	SAN DIEGO	46,127.7	34,127.0	74.0	73.2	74.8
34	DEL NORTE	327.7	242.3	74.0	64.6	83.3
35	MENDOCINO	1,108.0	819.0	73.9	68.9	79.0
36	EL DORADO	1,768.3	1,304.0	73.7	69.7	77.7
37	KINGS	2,618.3	1,928.3	73.6	70.4	76.9
38	BUTTE	2,411.7	1,768.0	73.3	69.9	76.7
39	TEHAMA	767.7	557.3	72.6	66.6	78.6
40	STANISLAUS	8,028.7	5,824.3	72.5	70.7	74.4
41	LASSEN	275.7	198.7	72.1	62.0	82.1
42	SIERRA	22.3	16.0	71.6 *	40.9	100.0
43	SHASTA	2,008.3	1,436.0	71.5	67.8	75.2
44	SOLANO	5,575.3	3,969.7	71.2	69.0	73.4
45	SAN JOAQUIN	10,593.7	7,504.0	70.8	69.2	72.4
46	SUTTER	1,457.3	1,027.3	70.5	66.2	74.8
47	LAKE	712.0	496.7	69.8	63.6	75.9
48	KERN	12,754.7	8,893.7	69.7	68.3	71.2
49	INYO	223.3	154.3	69.1	58.2	80.0
50	MADERA	2,371.3	1,638.0	69.1	65.7	72.4
51	MARIPOSA	137.7	94.0	68.3	55.2	83.6
52	YUBA	1,275.3	869.7	68.2	63.7	72.7
53	PLUMAS	162.0	100.0	61.7	49.6	73.8
54	IMPERIAL	3,121.0	1,856.0	59.5	56.8	62.2
55	MERCED	4,230.3	2,513.0	59.4	57.1	61.7
56	MODOC	79.0	44.3	56.1	40.8	75.3
57	TRINITY	112.0	60.7	54.2	41.4	69.6
58	ALPINE	9.7	3.3	34.5 *	7.9	95.8

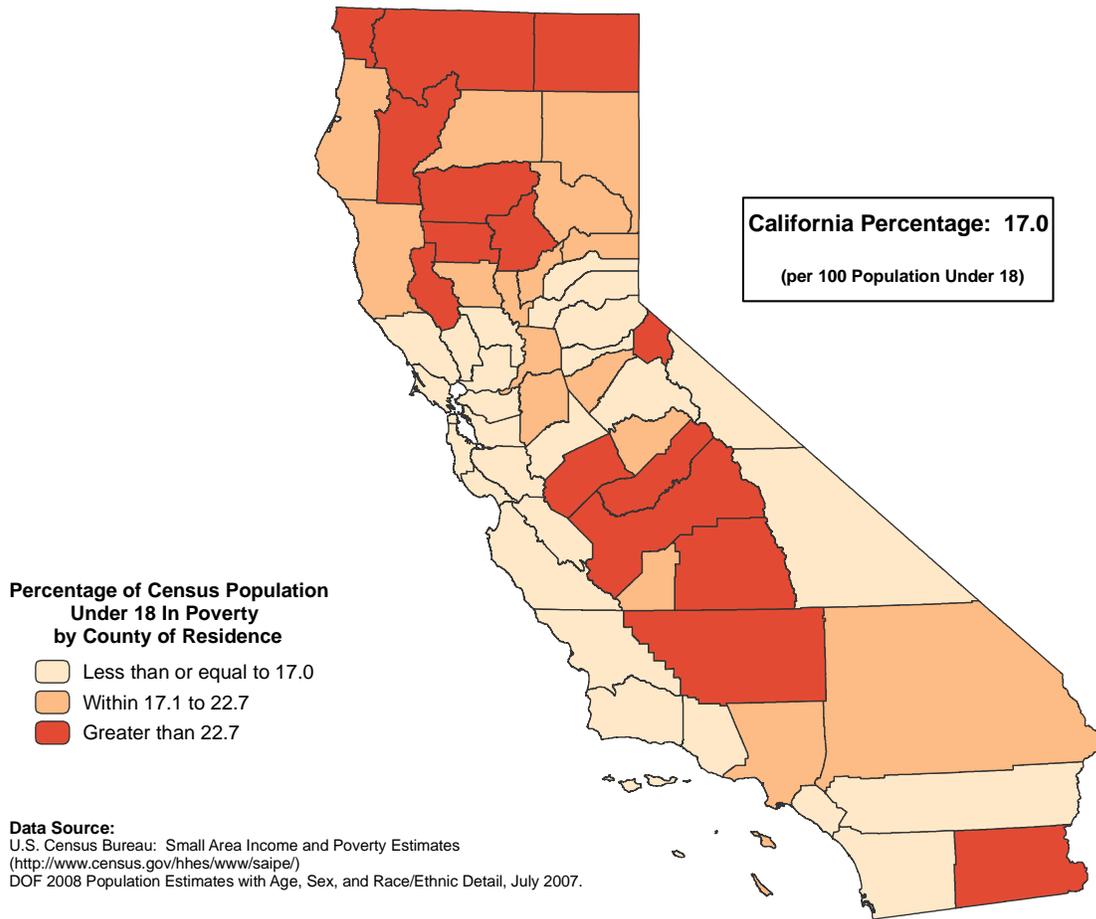
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Note: Counties were rank ordered first by increasing 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: 2007-2009 Birth Statistical Master Files.

PERSONS UNDER 18 IN POVERTY, 2008



The percentage of persons under age 18 in poverty in California was 17.0 per 100 population under age 18. This percentage was based on the U.S. Census Bureau, American Community Survey 2008 estimate, and population counts were obtained from the California Department of Finance.

All counties demonstrated reliable percentages of persons less than 18 years of age in poverty. The percents ranged from 30.2 in Fresno County to 6.6 in Placer County, a factor of 4.6 to 1.

A Healthy People 2010 National Objective for the percentage of persons under age 18 in poverty has not been established.

**TABLE 29
PERSONS UNDER 18 IN POVERTY
RANKED BY PERCENTAGE OF CENSUS POPULATION UNDER 18 BELOW POVERTY
CALIFORNIA COUNTIES, 2008**

RANK ORDER	COUNTY OF RESIDENCE	UNDER 18			95% CONFIDENCE LIMITS	
		2008 POPULATION	IN POVERTY NUMBER	PERCENT	LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE		
1	PLACER	83,914	5,579	6.6	6.5	6.8
2	MARIN	53,597	3,958	7.4	7.2	7.6
3	SAN MATEO	163,565	12,584	7.7	7.6	7.8
4	SANTA CLARA	452,592	39,650	8.8	8.7	8.8
5	EL DORADO	40,068	3,864	9.6	9.3	9.9
6	NAPA	34,679	3,411	9.8	9.5	10.2
7	VENTURA	215,533	23,649	11.0	10.8	11.1
8	SONOMA	117,369	12,898	11.0	10.8	11.2
9	SOLANO	108,833	12,134	11.1	11.0	11.3
10	SAN LUIS OBISPO	53,651	6,233	11.6	11.3	11.9
11	MONO	2,979	352	11.8	10.6	13.1
12	CONTRA COSTA	254,600	30,485	12.0	11.8	12.1
13	ALAMEDA	362,337	44,060	12.2	12.0	12.3
14	NEVADA	18,660	2,306	12.4	11.9	12.9
15	AMADOR	6,525	816	12.5	11.6	13.4
16	SAN BENITO	17,659	2,219	12.6	12.0	13.1
17	ORANGE	800,881	101,146	12.6	12.6	12.7
18	SAN FRANCISCO	117,340	15,848	13.5	13.3	13.7
19	YOLO	47,766	6,536	13.7	13.4	14.0
20	SANTA BARBARA	105,195	14,733	14.0	13.8	14.2
21	SAN DIEGO	807,821	121,555	15.0	15.0	15.1
22	SANTA CRUZ	57,529	9,035	15.7	15.4	16.0
23	RIVERSIDE	604,566	97,440	16.1	16.0	16.2
24	INYO	3,913	643	16.4	15.2	17.7
25	STANISLAUS	170,314	28,010	16.4	16.3	16.6
26	MONTEREY	120,705	19,867	16.5	16.2	16.7
27	TUOLUMNE	9,755	1,662	17.0	16.2	17.9
CALIFORNIA		10,003,896	1,702,066	17.0	17.0	17.0
28	LASSEN	6,869	1,181	17.2	16.2	18.2
29	CALAVERAS	8,140	1,408	17.3	16.4	18.2
30	PLUMAS	3,900	693	17.8	16.4	19.1
31	SUTTER	29,200	5,204	17.8	17.3	18.3
32	SACRAMENTO	378,375	67,561	17.9	17.7	18.0
33	SIERRA	574	104	18.1	14.6	21.6
34	COLUSA	6,381	1,157	18.1	17.1	19.2
35	SAN JOAQUIN	229,851	41,994	18.3	18.1	18.4
36	LOS ANGELES	2,796,694	548,487	19.6	19.6	19.7
37	SAN BERNARDINO	607,834	119,707	19.7	19.6	19.8
38	MARIPOSA	3,101	611	19.7	18.1	21.3
39	KINGS	44,760	9,066	20.3	19.8	20.7
40	SHASTA	42,519	9,290	21.8	21.4	22.3
41	YUBA	22,575	4,986	22.1	21.5	22.7
42	MENDOCINO	20,513	4,579	22.3	21.7	23.0
43	HUMBOLDT	27,659	6,272	22.7	22.1	23.2
44	SISKIYOU	9,483	2,167	22.9	21.9	23.8
45	BUTTE	48,054	11,696	24.3	23.9	24.8
46	TEHAMA	15,014	3,688	24.6	23.8	25.4
47	MODOC	2,106	519	24.6	22.5	26.8
48	KERN	252,141	62,540	24.8	24.6	25.0
49	GLENN	8,035	2,003	24.9	23.8	26.0
50	TRINITY	2,818	713	25.3	23.4	27.2
51	ALPINE	225	57	25.3	19.2	32.8
52	MADERA	42,834	10,930	25.5	25.0	26.0
53	LAKE	12,920	3,371	26.1	25.2	27.0
54	MERCED	80,416	21,790	27.1	26.7	27.5
55	IMPERIAL	47,521	13,328	28.0	27.6	28.5
56	DEL NORTE	6,307	1,816	28.8	27.5	30.1
57	TULARE	138,510	41,040	29.6	29.3	29.9
58	FRESNO	276,221	83,435	30.2	30.0	30.4

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.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

**TABLE 30
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2004-2009**

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ALL CANCERS (THREE-YEAR AVERAGES) ^{1,2}		COLORECTAL CANCER (THREE-YEAR AVERAGES) ^{1,2}		LUNG CANCER (THREE-YEAR AVERAGES) ^{1,2}	
	2004-2006	2007-2009	2004-2006	2007-2009	2004-2006	2007-2009
CALIFORNIA	161.3	154.0	15.4	14.4	40.2	37.2
ALAMEDA	157.8	148.9	16.3	15.1	39.3	35.0
ALPINE	17.0 *	46.9 *	-	-	17.0 *	19.7 *
AMADOR	164.1	154.5	11.0 *	14.1 *	44.4	41.0
BUTTE	185.6	191.7	16.5	14.3	55.6	52.7
CALAVERAS	151.2	147.3	16.5 *	14.9 *	43.9	42.9
COLUSA	141.9	134.9	6.8 *	12.2 *	46.9 *	50.2 *
CONTRA COSTA	166.1	157.5	16.9	16.3	40.7	36.9
DEL NORTE	227.1	188.9	19.2 *	15.2 *	71.3	56.0 *
EL DORADO	157.3	159.2	15.4	12.1	42.2	39.5
FRESNO	167.0	161.6	15.4	13.9	44.1	39.6
GLENN	171.5	164.8	16.7 *	13.8 *	46.8 *	52.9 *
HUMBOLDT	203.3	194.4	19.5	17.3	56.1	50.7
IMPERIAL	153.3	124.9	15.6	9.0 *	36.6	26.8
INYO	180.6	128.8	13.3 *	15.9 *	52.0 *	35.7 *
KERN	189.9	173.6	17.4	14.6	51.7	47.8
KINGS	181.3	163.3	19.3 *	15.4 *	50.7	38.8
LAKE	208.4	175.9	17.8 *	14.6 *	66.3	55.1
LASSEN	170.7	103.4	17.0 *	7.1 *	44.5 *	28.8 *
LOS ANGELES	150.9	143.5	15.5	14.2	34.3	31.5
MADERA	151.0	140.5	14.6 *	16.6	36.3	33.0
MARIN	150.8	138.9	10.6	13.3	33.5	29.5
MARIPOSA	159.9	159.7	15.5 *	7.3 *	47.8 *	56.1 *
MENDOCINO	181.9	161.2	17.1 *	14.9 *	47.4	39.4
MERCED	163.4	160.0	12.9	15.4	46.1	44.9
MODOC	150.8	137.3	16.6 *	16.7 *	36.4 *	45.5 *
MONO	81.8 *	73.6 *	10.8 *	12.3 *	26.4 *	16.2 *
MONTEREY	141.7	130.0	10.9	10.3	37.0	29.3
NAPA	188.1	176.0	16.5	16.4	50.0	45.9
NEVADA	154.9	151.5	15.2	13.2 *	35.5	37.2
ORANGE	150.4	148.3	14.7	13.0	35.7	35.8
PLACER	165.4	169.7	14.8	13.4	42.4	41.6
PLUMAS	193.5	135.8	19.5 *	11.0 *	54.6 *	33.3 *
RIVERSIDE	180.2	174.3	17.0	16.9	48.3	44.2
SACRAMENTO	176.1	167.8	15.1	15.5	48.0	45.4
SAN BENITO	128.5	158.6	9.4 *	11.4 *	26.4 *	33.1 *
SAN BERNARDINO	180.1	164.2	17.6	15.7	45.7	40.1
SAN DIEGO	166.7	161.8	15.6	14.2	40.9	39.1
SAN FRANCISCO	158.8	147.2	15.9	13.7	39.7	35.8
SAN JOAQUIN	182.6	170.7	16.1	14.0	50.3	47.3
SAN LUIS OBISPO	154.7	151.3	12.2	12.0	44.0	38.2
SAN MATEO	157.1	148.4	15.0	14.9	37.0	34.6
SANTA BARBARA	141.9	149.2	11.4	11.9	33.0	34.4
SANTA CLARA	139.6	131.5	12.7	12.4	31.9	29.5
SANTA CRUZ	166.8	168.5	13.6	14.2	41.3	39.3
SHASTA	207.1	194.4	16.6	16.3	64.2	59.2
SIERRA	167.7 *	110.9 *	20.1 *	4.6 *	49.1 *	24.9 *
SISKIYOU	189.2	180.4	15.8 *	18.2 *	56.3	54.4
SOLANO	183.4	172.8	18.3	15.9	49.9	45.5
SONOMA	179.2	182.5	19.1	15.9	45.9	44.6
STANISLAUS	179.2	167.7	16.0	18.0	52.5	44.8
SUTTER	162.9	150.9	12.1 *	12.1 *	49.6	47.0
TEHAMA	187.5	200.1	18.1 *	15.6 *	58.7	59.2
TRINITY	182.1	182.8	15.7 *	11.9 *	66.9 *	65.0 *
TULARE	166.9	158.1	15.2	12.8	46.1	42.1
TUOLUMNE	157.5	150.1	10.8 *	12.9 *	40.6	42.2
VENTURA	151.8	151.8	14.7	15.3	38.0	35.3
YOLO	175.9	162.5	17.8	15.5	51.7	41.3
YUBA	207.4	192.1	16.4 *	16.7 *	68.3	71.9

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2004-2009

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	FEMALE		PROSTATE CANCER		DIABETES	
	BREAST CANCER (THREE-YEAR AVERAGES) ^{1,2}		(THREE-YEAR AVERAGES) ^{1,2}		(THREE-YEAR AVERAGES) ^{1,2,3}	
	2004-2006	2007-2009	2004-2006	2007-2009	2004-2006	2007-2009
CALIFORNIA	22.1	21.2	22.9	21.7	22.1	20.3
ALAMEDA	22.0	20.2	21.8	23.4	21.2	20.6
ALPINE	-	-	-	30.4 *	55.8 *	19.7 *
AMADOR	26.2 *	23.9 *	14.9 *	15.8 *	12.2 *	9.9 *
BUTTE	19.0	25.8	23.0	30.8	18.5	16.3
CALAVERAS	20.2 *	22.7 *	16.5 *	21.9 *	7.9 *	14.2 *
COLUSA	3.1 *	13.4 *	23.0 *	14.9 *	19.1 *	8.4 *
CONTRA COSTA	22.9	22.2	21.5	22.0	19.3	17.4
DEL NORTE	22.2 *	17.4 *	25.9 *	21.7 *	29.3 *	19.5 *
EL DORADO	18.6	21.4	21.2 *	23.3 *	12.8	12.2
FRESNO	20.9	20.8	24.9	21.8	33.0	29.5
GLENN	9.0 *	15.0 *	27.2 *	24.1 *	29.8 *	24.8 *
HUMBOLDT	26.9	29.7	27.4 *	25.7 *	23.6	24.7
IMPERIAL	19.5 *	16.0 *	20.7 *	20.4 *	30.3	31.9
INYO	10.1 *	21.3 *	26.8 *	10.2 *	20.9 *	13.7 *
KERN	24.4	22.6	31.0	27.4	34.3	33.0
KINGS	21.4 *	24.2 *	21.2 *	24.0 *	44.4	34.8
LAKE	24.6 *	15.5 *	27.1 *	16.2 *	13.9 *	16.9 *
LASSEN	31.6 *	10.2 *	30.1 *	9.6 *	18.8 *	24.5 *
LOS ANGELES	22.1	20.8	21.2	20.9	25.0	22.1
MADERA	20.4 *	13.2 *	25.9 *	22.4 *	21.6	19.3
MARIN	26.1	19.2	21.9	21.1	10.0	8.8
MARIPOSA	19.3 *	27.0 *	14.9 *	31.3 *	23.0 *	16.7 *
MENDOCINO	25.2 *	27.0 *	21.0 *	23.2 *	19.1 *	13.8 *
MERCED	23.7	20.2	22.8 *	20.7 *	32.0	24.6
MODOC	36.6 *	16.6 *	27.4 *	13.3 *	19.8 *	16.7 *
MONO	14.2 *	18.9 *	11.9 *	8.9 *	3.7 *	5.0 *
MONTEREY	18.2	18.4	19.7	19.3	17.8	18.1
NAPA	22.3	18.3 *	29.6	22.5 *	17.4	21.3
NEVADA	24.3 *	22.1 *	21.8 *	18.7 *	14.5 *	11.9 *
ORANGE	18.9	20.1	22.7	21.0	17.4	14.2
PLACER	24.8	22.0	22.8	22.7	13.5	15.3
PLUMAS	13.1 *	27.4 *	20.6 *	26.6 *	15.7 *	14.4 *
RIVERSIDE	24.2	25.6	27.5	24.0	21.3	22.1
SACRAMENTO	24.0	21.1	22.8	21.8	20.8	19.4
SAN BENITO	22.1 *	23.7 *	12.3 *	5.5 *	12.6 *	15.8 *
SAN BERNARDINO	25.4	23.5	30.1	25.6	30.5	29.4
SAN DIEGO	22.7	22.0	25.5	24.0	21.1	18.6
SAN FRANCISCO	20.1	17.3	15.8	15.2	13.7	10.8
SAN JOAQUIN	25.4	22.5	26.9	20.0	34.9	32.0
SAN LUIS OBISPO	19.7	21.0	18.8	20.9	14.0	11.2
SAN MATEO	23.6	19.1	21.1	18.9	12.2	12.1
SANTA BARBARA	21.5	18.2	21.7	24.9	17.6	13.5
SANTA CLARA	18.9	18.0	19.0	15.4	20.3	21.4
SANTA CRUZ	26.5	25.8	27.0	21.0 *	15.7	18.5
SHASTA	23.7	20.6	22.0 *	25.8	14.4	13.0
SIERRA	26.5 *	8.6 *	11.2 *	11.7 *	25.3 *	-
SISKIYOU	17.2 *	22.8 *	28.3 *	27.2 *	26.2 *	20.8 *
SOLANO	21.6	22.2	25.3	24.3	28.4	28.6
SONOMA	21.4	26.2	26.9	27.2	18.4	17.2
STANISLAUS	24.7	24.0	24.1	23.0	25.3	23.1
SUTTER	22.7 *	19.7 *	32.3 *	22.1 *	21.6 *	16.2 *
TEHAMA	23.9 *	22.5 *	23.4 *	28.9 *	19.6 *	18.0 *
TRINITY	9.3 *	20.9 *	32.7 *	17.9 *	21.3 *	9.4 *
TULARE	22.1	19.8	22.0	21.0	32.7	27.2
TUOLUMNE	22.5 *	17.1 *	19.1 *	20.7 *	14.7 *	13.7 *
VENTURA	21.1	20.4	21.6	23.9	19.4	18.7
YOLO	23.5 *	23.2	27.7 *	21.5 *	21.8	19.2
YUBA	24.2 *	20.1 *	22.5 *	18.3 *	21.1 *	15.9 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2004-2009

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ALZHEIMER'S DISEASE (THREE-YEAR AVERAGES) ^{1,2}		CORONARY HEART DISEASE (THREE-YEAR AVERAGES) ^{1,2}		CEREBROVASCULAR DISEASES (STROKE) (THREE-YEAR AVERAGES) ^{1,2}	
	2004-2006	2007-2009	2004-2006	2007-2009	2004-2006	2007-2009
CALIFORNIA	23.1	26.7	154.0	128.0	47.8	38.4
ALAMEDA	16.5	20.3	133.1	107.4	46.7	39.7
ALPINE	-	-	46.1 *	64.1 *	56.4 *	-
AMADOR	15.2 *	24.5 *	152.9	110.1	50.1	34.5
BUTTE	31.0	34.2	148.4	143.7	58.1	45.0
CALAVERAS	10.9 *	10.3 *	122.7	104.0	39.3	23.3 *
COLUSA	38.9 *	19.6 *	126.6	115.4	47.3 *	24.0 *
CONTRA COSTA	28.7	32.2	114.9	94.9	52.1	42.7
DEL NORTE	14.2 *	12.6 *	145.8	118.2	50.2 *	48.0 *
EL DORADO	20.4	29.5	124.0	106.4	39.0	27.4
FRESNO	25.7	30.9	167.4	142.5	62.4	51.3
GLENN	26.1 *	18.3 *	138.8	107.9	40.5 *	28.6 *
HUMBOLDT	40.5	37.6	153.9	135.1	68.7	52.4
IMPERIAL	8.8 *	9.9 *	127.9	102.5	40.4	42.1
INYO	3.2 *	2.0 *	167.7	145.7	24.3 *	25.9 *
KERN	34.1	36.7	250.8	183.2	55.7	45.5
KINGS	18.7 *	17.6 *	162.4	136.7	56.6	44.1
LAKE	15.7 *	17.0 *	157.9	149.3	54.6	44.9
LASSEN	12.1 *	12.8 *	137.4	96.1	39.2 *	27.8 *
LOS ANGELES	16.8	21.3	169.7	140.3	43.3	35.0
MADERA	32.5	26.2	166.3	140.7	49.0	32.1
MARIN	21.9	30.8	93.6	75.1	44.5	33.0
MARIPOSA	13.3 *	12.3 *	125.8	103.8	47.3 *	29.4 *
MENDOCINO	13.9 *	15.7 *	130.0	139.4	54.1	36.8
MERCED	16.8	20.1	176.7	157.1	67.8	43.0
MODOC	14.0 *	16.5 *	116.3 *	85.3 *	46.0 *	29.2 *
MONO	8.3 *	3.1 *	71.1 *	37.3 *	28.6 *	1.6 *
MONTEREY	13.9	15.1	113.1	99.7	43.9	35.5
NAPA	40.7	31.2	109.7	100.1	56.0	39.8
NEVADA	14.4 *	18.4	118.4	111.0	61.0	40.0
ORANGE	23.8	30.9	148.1	119.8	47.6	37.1
PLACER	28.3	31.7	125.8	110.5	60.1	41.3
PLUMAS	12.7 *	15.1 *	91.0	75.3	45.8 *	20.6 *
RIVERSIDE	30.3	29.7	188.7	155.7	52.5	42.8
SACRAMENTO	26.1	26.1	166.9	136.6	61.5	43.5
SAN BENITO	13.3 *	13.3 *	113.4	80.8	48.2 *	31.7 *
SAN BERNARDINO	28.3	27.4	211.0	167.9	50.2	43.5
SAN DIEGO	38.0	36.0	134.4	115.6	45.0	37.1
SAN FRANCISCO	14.6	18.2	127.4	106.2	45.3	33.3
SAN JOAQUIN	24.6	27.7	209.4	161.8	56.6	45.1
SAN LUIS OBISPO	17.7	17.9	120.7	89.6	45.6	47.0
SAN MATEO	20.1	26.1	110.6	92.3	44.1	33.6
SANTA BARBARA	20.5	22.6	132.3	117.1	45.5	38.2
SANTA CLARA	24.8	34.6	112.9	94.8	37.6	28.6
SANTA CRUZ	16.6	27.6	119.9	114.5	42.1	38.9
SHASTA	22.3	27.1	159.0	141.7	52.4	47.0
SIERRA	4.8 *	5.0 *	64.3 *	117.6 *	11.7 *	26.2 *
SISKIYOU	16.6 *	16.1 *	119.1	113.6	46.8	38.3
SOLANO	36.5	43.2	128.1	108.7	53.3	42.2
SONOMA	28.9	38.4	128.5	115.7	60.6	50.1
STANISLAUS	23.9	33.7	206.6	172.1	50.7	45.1
SUTTER	19.5 *	26.0	173.0	151.6	47.8	37.1
TEHAMA	27.1	25.3	143.7	118.3	55.4	49.0
TRINITY	9.6 *	8.1 *	95.3 *	84.7 *	42.4 *	26.9 *
TULARE	9.9	12.7	183.3	140.1	53.2	47.0
TUOLUMNE	14.9 *	8.8 *	118.3	100.2	41.7	35.2
VENTURA	21.5	27.3	144.7	127.8	40.7	38.1
YOLO	24.9	35.6	125.8	102.3	55.7	43.8
YUBA	9.1 *	24.3 *	198.6	142.5	49.3	38.3

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2004-2009

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	INFLUENZA/PNEUMONIA		CHRONIC LOWER		CHRONIC LIVER DISEASE	
	(THREE-YEAR AVERAGES) ^{1,2}		RESPIRATORY DISEASES		AND CIRRHOSIS	
	2004-2006	2007-2009	2004-2006	2007-2009	2004-2006	2007-2009
CALIFORNIA	22.4	18.2	39.2	37.1	10.6	10.8
ALAMEDA	18.5	15.9	32.0	30.3	8.8	8.9
ALPINE	-	-	38.0 *	-	17.9 *	-
AMADOR	25.3 *	25.1 *	39.3	43.0	13.2 *	16.5 *
BUTTE	21.3	15.3	55.4	60.5	14.6	13.2
CALAVERAS	15.9 *	18.8 *	43.3	36.2	11.1 *	9.2 *
COLUSA	23.3 *	9.4 *	52.7 *	44.8 *	5.0 *	6.2 *
CONTRA COSTA	20.8	14.5	36.7	38.4	8.4	8.8
DEL NORTE	17.4 *	14.5 *	64.7 *	62.3 *	12.7 *	8.6 *
EL DORADO	19.0	11.7	44.6	38.6	11.6	8.8
FRESNO	26.7	24.5	42.5	41.3	13.9	12.9
GLENN	24.2 *	21.7 *	61.5 *	46.0 *	17.5 *	11.8 *
HUMBOLDT	25.0	13.1 *	59.3	61.4	13.6 *	16.5
IMPERIAL	14.1 *	11.9 *	28.9	25.7	15.9	13.6
INYO	21.2 *	10.1 *	50.2 *	45.4 *	24.0 *	27.0 *
KERN	29.9	23.0	71.0	71.9	18.1	12.8
KINGS	12.4 *	19.3 *	58.4	51.4	13.3 *	11.4 *
LAKE	17.3 *	19.7 *	76.4	56.0	19.6 *	22.3
LASSEN	18.2 *	5.0 *	46.8 *	45.4 *	6.8 *	7.2 *
LOS ANGELES	26.1	22.9	32.6	32.0	11.0	11.4
MADERA	18.8	17.4	43.5	40.5	13.0 *	13.1
MARIN	15.6	13.6	28.7	25.1	6.0	7.8
MARIPOSA	14.4 *	14.1 *	32.9 *	50.4 *	11.5 *	7.4 *
MENDOCINO	16.7 *	14.8 *	48.5	46.5	15.0 *	15.2 *
MERCED	17.6	16.1	47.1	47.2	11.1	12.3
MODOC	25.9 *	18.4 *	73.6 *	51.9 *	7.8 *	16.7 *
MONO	12.8 *	-	13.0 *	-	4.0 *	7.5 *
MONTEREY	14.2	11.0	34.2	30.2	11.0	9.8
NAPA	25.7	18.9	42.2	37.5	13.0 *	11.0 *
NEVADA	16.0	14.8	47.0	39.2	7.5 *	7.8 *
ORANGE	23.0	19.0	33.6	32.9	8.5	9.4
PLACER	19.2	12.1	43.7	38.3	8.6	7.0
PLUMAS	15.1 *	10.4 *	49.8 *	43.1 *	9.1 *	8.2 *
RIVERSIDE	18.6	14.2	53.4	50.5	12.7	10.7
SACRAMENTO	26.8	21.0	47.6	39.1	10.9	10.8
SAN BENITO	27.1 *	20.0 *	40.8 *	30.4 *	9.9 *	15.1 *
SAN BERNARDINO	24.5	15.4	63.5	54.2	12.5	12.4
SAN DIEGO	15.3	10.5	39.3	34.8	8.4	10.0
SAN FRANCISCO	26.0	19.2	25.7	22.4	8.6	8.2
SAN JOAQUIN	20.9	16.2	48.3	46.8	12.5	17.1
SAN LUIS OBISPO	14.8	11.7	35.5	34.3	7.2	11.0
SAN MATEO	24.7	23.1	28.5	28.5	8.3	10.3
SANTA BARBARA	18.8	12.6	32.0	31.7	10.9	10.6
SANTA CLARA	20.2	16.5	27.5	25.2	7.9	8.4
SANTA CRUZ	17.2	14.6	40.3	39.1	11.1	13.2
SHASTA	23.0	16.4	69.7	69.2	16.9	15.3
SIERRA	11.4 *	-	14.8 *	38.4 *	24.5 *	20.4 *
SISKIYOU	19.5 *	15.2 *	58.7	45.6	15.3 *	23.7 *
SOLANO	24.4	23.7	50.2	39.6	10.3	8.4
SONOMA	18.4	16.1	38.6	41.4	11.9	11.0
STANISLAUS	26.8	21.5	48.6	46.8	11.5	12.6
SUTTER	28.8	19.8 *	61.9	48.6	10.9 *	13.7 *
TEHAMA	20.1 *	21.8 *	61.5	67.9	13.1 *	19.4 *
TRINITY	18.3 *	20.7 *	64.2 *	43.8 *	27.4 *	18.9 *
TULARE	22.5	22.4	45.3	47.7	14.3	16.2
TUOLUMNE	18.6 *	17.8 *	34.9	32.7	15.9 *	10.8 *
VENTURA	18.6	12.9	38.1	36.9	9.5	9.4
YOLO	39.0	28.1	52.2	45.7	11.9 *	11.1
YUBA	24.6 *	19.9 *	82.5	55.0	13.5 *	17.5 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2004-2009

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES ACCIDENTS (UNINTENTIONAL INJURIES) (THREE-YEAR AVERAGES) ^{1,2}		AGE-ADJUSTED DEATH RATES MOTOR VEHICLE TRAFFIC CRASHES (THREE-YEAR AVERAGES) ^{1,2}		AGE-ADJUSTED DEATH RATES SUICIDE (THREE-YEAR AVERAGES) ^{1,2}	
	2004-2006	2007-2009	2004-2006	2007-2009	2004-2006	2007-2009
	CALIFORNIA	30.2	28.7	11.5	9.2	9.0
ALAMEDA	27.4	25.3	8.1	6.1	7.1	8.6
ALPINE	29.0 *	-	29.0 *	-	35.9 *	13.6 *
AMADOR	54.0	52.5	24.2 *	18.7 *	16.4 *	17.9 *
BUTTE	53.0	56.7	19.2	14.8	18.2	16.4
CALAVERAS	44.2	53.1	26.5 *	26.0 *	18.4 *	16.7 *
COLUSA	41.2 *	27.3 *	22.0 *	14.9 *	6.9 *	13.6 *
CONTRA COSTA	27.3	26.5	8.5	7.5	8.9	10.1
DEL NORTE	38.9 *	69.8	16.2 *	25.1 *	15.2 *	10.4 *
EL DORADO	42.1	43.1	15.9	9.4 *	14.9	12.5
FRESNO	43.7	40.3	18.8	15.3	9.5	8.5
GLENN	51.7 *	54.7 *	26.2 *	16.4 *	15.4 *	6.8 *
HUMBOLDT	67.2	70.2	17.6	17.2	19.7	22.9
IMPERIAL	43.5	32.5	20.5	13.3	7.0 *	6.0 *
INYO	49.1 *	30.9 *	13.9 *	11.4 *	14.7 *	17.9 *
KERN	47.3	45.7	19.3	17.3	10.6	11.1
KINGS	38.7	40.4	20.0	17.6	7.8 *	8.8 *
LAKE	72.5	65.7	28.8 *	20.9 *	22.4 *	29.0 *
LASSEN	55.5 *	40.2 *	25.6 *	7.8 *	21.3 *	13.3 *
LOS ANGELES	23.2	21.3	9.3	7.5	6.9	7.2
MADERA	43.9	41.5	20.9	23.4	10.2 *	9.0 *
MARIN	20.5	20.6	5.0 *	4.0 *	13.1	13.0
MARIPOSA	62.6 *	47.0 *	28.1 *	20.9 *	25.7 *	20.6 *
MENDOCINO	48.5	53.3	16.9 *	18.6 *	20.0 *	23.7
MERCED	48.0	40.9	23.7	16.1	8.5 *	8.7
MODOC	54.6 *	76.4 *	24.6 *	14.2 *	20.0 *	13.9 *
MONO	28.1 *	12.7 *	6.3 *	4.0 *	4.8 *	4.9 *
MONTEREY	35.3	27.3	13.7	9.4	8.1	9.5
NAPA	32.5	29.3	15.0 *	9.3 *	11.9 *	10.4 *
NEVADA	50.9	36.7	17.4 *	12.2 *	12.7 *	20.0
ORANGE	22.3	23.0	7.7	6.1	8.4	8.6
PLACER	35.1	27.5	12.0	6.6	9.6	13.4
PLUMAS	33.1 *	42.7 *	12.7 *	7.4 *	22.8 *	13.4 *
RIVERSIDE	37.3	33.7	16.7	12.2	10.2	10.4
SACRAMENTO	38.1	35.4	11.7	9.3	12.9	11.8
SAN BENITO	30.1 *	23.3 *	12.1 *	10.6 *	8.0 *	8.4 *
SAN BERNARDINO	30.5	27.1	16.5	12.5	10.1	10.1
SAN DIEGO	29.2	30.3	10.4	8.7	9.9	11.4
SAN FRANCISCO	28.3	35.0	5.4	4.8	10.5	10.4
SAN JOAQUIN	47.7	42.2	15.2	12.7	7.1	10.5
SAN LUIS OBISPO	38.1	35.6	16.2	10.3	10.5	14.9
SAN MATEO	20.1	21.7	5.8	5.5	8.2	8.7
SANTA BARBARA	31.2	31.8	11.9	9.0	9.1	9.3
SANTA CLARA	21.0	22.7	6.9	6.2	7.0	8.1
SANTA CRUZ	31.2	32.5	9.4	9.5	10.5	12.4
SHASTA	57.9	61.0	15.0	12.8	18.7	20.0
SIERRA	86.1 *	9.5 *	72.1 *	4.6 *	13.5 *	5.0 *
SISKIYOU	69.2	59.5	29.7 *	19.3 *	23.3 *	28.3 *
SOLANO	33.1	28.4	12.9	10.1	9.6	9.7
SONOMA	33.8	31.3	11.3	9.2	10.8	12.9
STANISLAUS	51.6	40.6	17.4	12.7	10.1	11.2
SUTTER	38.8	41.0	18.1 *	18.7 *	8.6 *	12.8 *
TEHAMA	54.2	45.3	22.7 *	16.2 *	15.9 *	17.1 *
TRINITY	100.6 *	63.2 *	57.9 *	19.3 *	42.6 *	37.1 *
TULARE	53.9	37.9	26.0	17.2	8.5	9.9
TUOLUMNE	60.6	53.9	24.3 *	12.8 *	25.0 *	17.6 *
VENTURA	29.0	29.9	10.1	9.0	10.3	10.6
YOLO	37.8	26.3	12.6	7.7 *	8.7 *	9.6 *
YUBA	63.4	57.4	24.4 *	16.8 *	18.2 *	14.5 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2004-2009

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	HOMICIDE		FIREARM-RELATED DEATHS		DRUG-INDUCED DEATHS	
	(THREE-YEAR AVERAGES) ^{1,2}		(THREE-YEAR AVERAGES) ^{1,2}		(THREE-YEAR AVERAGES) ^{1,2}	
	2004-2006	2007-2009	2004-2006	2007-2009	2004-2006	2007-2009
CALIFORNIA	6.8	5.8	9.2	8.2	10.3	10.7
ALAMEDA	9.2	9.8	10.4	11.2	10.9	10.5
ALPINE	23.6 *	-	35.9 *	13.6 *	-	-
AMADOR	1.4 *	1.7 *	13.6 *	9.9 *	21.9 *	20.6 *
BUTTE	3.8 *	4.5 *	11.0	10.7	22.8	29.9
CALAVERAS	4.2 *	3.3 *	15.8 *	11.2 *	9.4 *	19.2 *
COLUSA	-	5.8 *	6.5 *	11.8 *	11.9 *	4.1 *
CONTRA COSTA	8.8	9.7	10.7	12.7	9.3	10.1
DEL NORTE	6.6 *	6.4 *	9.8 *	5.9 *	21.5 *	16.7 *
EL DORADO	2.8 *	3.5 *	12.2	10.2 *	14.7	18.2
FRESNO	8.2	7.2	10.4	9.1	12.9	12.1
GLENN	-	3.1 *	10.7 *	9.0 *	13.2 *	21.3 *
HUMBOLDT	2.9 *	4.8 *	10.7 *	13.5 *	31.0	35.2
IMPERIAL	2.6 *	3.6 *	6.1 *	5.8 *	10.0 *	8.9 *
INYO	1.4 *	4.6 *	13.3 *	13.9 *	1.2 *	9.9 *
KERN	7.9	7.7	12.1	11.4	15.3	16.9
KINGS	3.4 *	4.4 *	6.3 *	6.2 *	7.8 *	8.7 *
LAKE	4.9 *	7.0 *	13.1 *	13.9 *	24.5 *	32.0
LASSEN	5.0 *	3.0 *	14.5 *	9.2 *	21.3 *	23.5 *
LOS ANGELES	10.5	7.7	11.4	8.9	7.9	7.2
MADERA	5.3 *	6.5 *	10.2 *	8.3 *	9.8 *	7.0 *
MARIN	2.1 *	2.6 *	5.7 *	4.7 *	11.0	13.4
MARIPOSA	1.1 *	1.0 *	15.1 *	11.2 *	20.6 *	13.9 *
MENDOCINO	6.2 *	6.3 *	13.9 *	16.3 *	13.7 *	19.9 *
MERCED	8.2	7.6	11.2	8.1	8.8 *	10.4
MODOC	-	-	20.8 *	13.9 *	18.8 *	35.4 *
MONO	-	-	-	2.7 *	1.9 *	-
MONTEREY	5.4	8.9	7.1	10.2	11.4	8.8
NAPA	3.0 *	1.4 *	6.8 *	4.9 *	4.7 *	9.4 *
NEVADA	1.6 *	1.3 *	7.8 *	13.2 *	12.2 *	13.6 *
ORANGE	2.8	2.4	5.0	4.5	8.4	9.7
PLACER	1.8 *	1.7 *	5.5 *	6.5	11.1	14.3
PLUMAS	3.2 *	2.9 *	17.8 *	10.7 *	16.2 *	23.0 *
RIVERSIDE	5.5	4.8	9.5	8.3	10.6	11.5
SACRAMENTO	7.4	6.5	10.9	8.9	17.0	16.9
SAN BENITO	0.5 *	4.8 *	2.7 *	7.5 *	9.2 *	6.2 *
SAN BERNARDINO	8.8	6.6	11.3	9.4	11.6	10.5
SAN DIEGO	4.1	3.2	6.9	6.4	10.4	11.5
SAN FRANCISCO	10.2	8.9	9.8	8.7	18.7	20.9
SAN JOAQUIN	6.5	7.5	10.3	10.0	14.8	17.7
SAN LUIS OBISPO	2.0 *	2.6 *	6.2 *	7.6	11.5	12.6
SAN MATEO	4.8	3.0	6.4	5.6	7.0	7.2
SANTA BARBARA	2.2 *	2.2 *	5.1	4.1 *	9.9	12.1
SANTA CLARA	2.6	2.9	4.0	4.2	5.8	6.6
SANTA CRUZ	3.0 *	2.2 *	5.3 *	5.9 *	10.9	11.6
SHASTA	5.7 *	3.6 *	13.5	12.1	24.0	30.6
SIERRA	-	-	7.0 *	10.0 *	20.5 *	-
SISKIYOU	6.7 *	5.1 *	18.7 *	22.4 *	12.4 *	17.1 *
SOLANO	6.9	8.2	8.3	11.0	8.4	9.9
SONOMA	2.2 *	2.4 *	6.1	7.0	11.2	13.0
STANISLAUS	6.8	5.6	9.1	8.9	18.5	16.2
SUTTER	5.3 *	4.0 *	11.5 *	7.9 *	7.4 *	14.0 *
TEHAMA	5.3 *	6.1 *	9.6 *	11.3 *	12.5 *	14.9 *
TRINITY	5.0 *	1.8 *	30.7 *	29.8 *	23.1 *	29.4 *
TULARE	9.0	8.2	13.0	11.6	12.3	7.5
TUOLUMNE	2.6 *	2.6 *	20.6 *	6.8 *	25.3 *	22.6 *
VENTURA	4.1	3.1	7.5	6.2	9.7	10.2
YOLO	1.7 *	1.9 *	4.4 *	5.0 *	6.2 *	8.0 *
YUBA	5.7 *	4.4 *	14.3 *	8.9 *	6.0 *	5.7 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2004-2009

COUNTY OF RESIDENCE	MORBIDITY RATE		MORBIDITY RATE		MORBIDITY RATE	
	REPORTED INCIDENCE OF AIDS (AGED 13 AND OVER) (THREE-YEAR AVERAGES) ^{3,7}		REPORTED INCIDENCE OF CHLAMYDIA (THREE-YEAR AVERAGES) ³		REPORTED INCIDENCE OF GONORRHEA (THREE-YEAR AVERAGES) ³	
	2004-2006	2007-2009	2004-2006	2007-2009	2004-2006	2007-2009
CALIFORNIA	13.2	10.7	350.9	382.4	88.7	70.2
ALAMEDA	17.1	17.3	366.1	453.9	137.9	129.2
ALPINE	-	-	51.0 *	49.6 *	-	-
AMADOR	3.9 *	0.9 *	115.4	194.6	21.0 *	9.3 *
BUTTE	4.4 *	3.3 *	318.0	316.5	59.6	42.0
CALAVERAS	3.3 *	-	76.1	81.4	24.4 *	7.1 *
COLUSA	-	-	172.3	99.3	23.3 *	8.8 *
CONTRA COSTA	8.9	9.0	284.4	335.8	79.0	75.7
DEL NORTE	6.6 *	3.8 *	88.6	129.8	6.8 *	6.6 *
EL DORADO	1.3 *	2.7 *	132.5	128.5	11.4	11.3
FRESNO	7.4	11.3	559.4	576.8	146.5	86.8
GLENN	1.4 *	1.4 *	193.8	194.8	15.2 *	15.6 *
HUMBOLDT	6.0 *	0.9 *	256.2	286.6	24.9	26.3
IMPERIAL	10.0 *	10.2 *	272.8	365.6	31.4	27.3
INYO	6.2 *	4.1 *	146.7	180.6	21.2 *	10.5 *
KERN	14.6	10.5	510.2	616.4	150.9	113.4
KINGS	7.7 *	2.9 *	400.3	338.5	78.3	45.7
LAKE	4.2 *	2.9 *	166.2	171.9	24.6 *	28.3 *
LASSEN	4.3 *	2.0 *	113.7	110.1	24.2 *	6.3 *
LOS ANGELES	17.7	13.0	411.0	441.7	107.2	89.9
MADERA	3.2 *	6.1 *	471.1	449.7	101.0	49.9
MARIN	10.7	9.8	209.2	206.8	28.3	28.8
MARIPOSA	-	2.0 *	89.2 *	87.0 *	23.7 *	8.9 *
MENDOCINO	5.7 *	5.2 *	209.1	241.1	21.8 *	16.0 *
MERCED	3.5 *	3.4 *	409.3	336.0	97.3	38.9
MODOC	-	-	94.5 *	101.0 *	16.3 *	34.7 *
MONO	2.8 *	2.7 *	86.9 *	153.3	16.9 *	7.0 *
MONTEREY	6.8	6.1	303.1	308.3	47.4	28.9
NAPA	5.4 *	4.4 *	161.0	171.0	21.4	13.2 *
NEVADA	2.3 *	1.9 *	116.5	128.7	9.1 *	9.6 *
ORANGE	8.0	7.4	238.4	258.2	34.8	27.0
PLACER	2.6 *	1.6 *	166.6	190.4	20.6	17.7
PLUMAS	-	1.7 *	117.4	213.8	20.1 *	9.2 *
RIVERSIDE	11.8	9.4	234.2	294.6	46.1	42.5
SACRAMENTO	9.1	6.2	503.4	507.4	152.6	129.5
SAN BENITO	0.7 *	4.8 *	226.0	241.9	67.2	21.4 *
SAN BERNARDINO	9.5	7.6	390.7	396.9	104.2	67.7
SAN DIEGO	16.8	13.9	369.1	436.8	84.6	66.3
SAN FRANCISCO	65.5	54.6	482.4	502.6	297.9	239.8
SAN JOAQUIN	10.3	8.4	432.2	498.8	119.3	107.0
SAN LUIS OBISPO	6.5 *	5.1 *	202.5	241.0	15.6	15.0
SAN MATEO	5.2	4.2	216.5	254.1	37.1	32.7
SANTA BARBARA	7.7	4.1 *	259.5	282.8	21.8	18.0
SANTA CLARA	8.3	8.2	313.9	309.7	58.4	39.2
SANTA CRUZ	6.5 *	4.3 *	228.3	249.3	32.5	25.6
SHASTA	5.7 *	2.5 *	282.3	235.5	28.2	20.0
SIERRA	-	-	27.1 *	91.1 *	9.0 *	9.1 *
SISKIYOU	1.7 *	1.7 *	227.6	185.2	21.0 *	9.3 *
SOLANO	14.2	10.3	380.5	459.0	84.0	75.1
SONOMA	12.7	8.7	155.9	183.8	29.4	17.4
STANISLAUS	5.3	7.1	367.6	347.4	104.2	57.3
SUTTER	6.1 *	1.7 *	227.6	217.1	64.1	19.1 *
TEHAMA	3.3 *	1.2 *	247.2	215.1	31.2 *	17.8 *
TRINITY	-	-	99.7 *	89.8 *	11.6 *	6.7 *
TULARE	3.8 *	2.6 *	430.2	381.0	102.6	45.1
TUOLUMNE	2.6 *	2.6 *	142.8	113.5	16.8 *	13.8 *
VENTURA	5.4	3.2	183.9	250.8	21.8	18.7
YOLO	3.2 *	2.6 *	257.0	267.6	32.6	31.1
YUBA	1.2 *	1.1 *	299.1	273.9	86.8	23.1 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2004-2009

COUNTY OF RESIDENCE	MORBIDITY RATE		MORTALITY RATE		PERCENT	
	REPORTED INCIDENCE OF TUBERCULOSIS**		INFANT MORTALITY, ALL RACE/ETHNIC GROUPS		LOW BIRTHWEIGHT INFANTS	
	(THREE-YEAR AVERAGES) ³		(THREE-YEAR AVERAGES) ⁵		(THREE-YEAR AVERAGES) ⁶	
	2004-2006	2007-2009	2003-2005	2006-2008	2004-2006	2007-2009
CALIFORNIA	7.8	6.9	5.4	5.3	6.8	6.8
ALAMEDA	10.2	9.9	4.9	4.4	7.2	7.1
ALPINE	-	-	-	-	-	3.3 *
AMADOR	-	-	7.1 *	5.8 *	4.1 *	4.9 *
BUTTE	1.5 *	1.2 *	7.1 *	6.8 *	5.9	5.7
CALAVERAS	-	2.1 *	4.9 *	1.7 *	7.0	5.5
COLUSA	3.1 *	1.5 *	3.8 *	1.8 *	4.3 *	6.3
CONTRA COSTA	5.6	5.6	4.1	4.0	6.9	6.6
DEL NORTE	-	-	9.9 *	8.7 *	6.0 *	5.5 *
EL DORADO	2.1 *	1.5 *	3.0 *	4.7 *	6.1	6.1
FRESNO	8.7	6.4	7.4	6.3	7.1	7.5
GLENN	1.2 *	3.3 *	1.6 *	5.9 *	4.4 *	4.7
HUMBOLDT	2.3 *	0.5 *	6.4 *	6.2 *	6.4	5.6
IMPERIAL	19.4	15.4	4.1 *	5.1 *	6.1	6.4
INYO	-	-	14.6 *	10.2 *	8.4 *	8.9
KERN	5.1	5.2	6.4	7.0	7.1	7.2
KINGS	3.2 *	3.2 *	6.6 *	5.9 *	6.6	6.4
LAKE	2.1 *	1.5 *	4.8 *	4.7 *	6.4	5.4
LASSEN	1.9 *	-	3.4 *	9.4 *	5.5 *	5.6 *
LOS ANGELES	9.5	7.9	5.3	5.4	7.3	7.3
MADERA	4.0 *	6.3 *	4.6 *	5.0 *	6.0	6.4
MARIN	3.8 *	4.7 *	3.4 *	3.0 *	6.2	6.4
MARIPOSA	-	-	2.5 *	8.9 *	4.6 *	5.6 *
MENDOCINO	2.6 *	3.6 *	6.9 *	8.5 *	6.9	6.1
MERCED	3.4 *	2.7 *	6.2	6.4	6.1	6.6
MODOC	-	-	3.9 *	7.9 *	5.3 *	6.6 *
MONO	-	-	6.5 *	13.2 *	8.7 *	8.9 *
MONTEREY	7.5	4.8	5.4	4.6	6.2	5.7
NAPA	4.2 *	4.3 *	3.8 *	5.5 *	6.1	6.1
NEVADA	1.7 *	1.0 *	3.7 *	3.2 *	6.1	5.6
ORANGE	7.5	6.6	4.5	4.8	6.3	6.5
PLACER	1.4 *	2.2 *	4.6 *	4.8 *	5.6	5.9
PLUMAS	-	-	-	1.9 *	4.8 *	5.2 *
RIVERSIDE	3.6	3.6	6.1	5.4	6.5	6.6
SACRAMENTO	9.7	7.4	5.7	5.8	7.1	6.8
SAN BENITO	1.7 *	0.5 *	3.4 *	4.3 *	5.7	6.3
SAN BERNARDINO	3.2	3.4	7.0	6.4	7.1	7.1
SAN DIEGO	10.3	8.1	5.2	5.0	6.6	6.7
SAN FRANCISCO	16.2	15.5	3.7	4.4	7.0	7.1
SAN JOAQUIN	10.4	9.1	6.6	6.2	6.8	6.9
SAN LUIS OBISPO	1.5 *	0.9 *	5.5 *	3.4 *	6.4	6.1
SAN MATEO	9.0	9.8	4.5	4.1	6.7	6.7
SANTA BARBARA	4.7 *	5.5	4.8	5.1	6.6	6.0
SANTA CLARA	11.9	11.7	4.2	3.8	6.6	6.8
SANTA CRUZ	3.2 *	3.1 *	4.7 *	4.7 *	5.5	6.1
SHASTA	2.8 *	1.3 *	6.1 *	5.4 *	6.4	6.1
SIERRA	-	-	11.9 *	16.7 *	3.0 *	10.4 *
SISKIYOU	0.7 *	-	9.1 *	3.3 *	7.2	7.3
SOLANO	8.5	7.2	5.1	6.1	7.3	7.0
SONOMA	3.1 *	2.1 *	3.8	3.9	5.7	5.8
STANISLAUS	3.0 *	3.5 *	6.7	6.3	6.5	6.5
SUTTER	1.5 *	2.7 *	3.8 *	5.1 *	5.8	5.6
TEHAMA	3.8 *	3.7 *	6.0 *	5.9 *	5.3	5.4
TRINITY	2.3 *	-	11.9 *	8.1 *	4.5 *	5.6 *
TULARE	4.6 *	6.1	5.4	6.3	6.2	6.2
TUOLUMNE	0.6 *	0.6 *	7.2 *	3.4 *	5.6	4.3 *
VENTURA	7.2	6.8	6.4	5.5	6.7	6.4
YOLO	3.0 *	4.9 *	3.8 *	4.2 *	5.5	5.2
YUBA	4.3 *	4.8 *	5.8 *	5.6 *	6.4	6.2

** Tuberculosis cases reported by Reporting Jurisdiction (58 counties and cities of Berkeley, Long Beach, and Pasadena).

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2004-2009

COUNTY OF RESIDENCE	AGE-SPECIFIC BIRTH RATE		PERCENT	
	BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD (THREE-YEAR AVERAGES) ⁷		ADEQUATE/ADEQUATE PLUS PRENATAL CARE (THREE-YEAR AVERAGES) ⁶	
	2004-2006	2007-2009	2004-2006	2007-2009
CALIFORNIA	37.8	34.7	78.5	79.0
ALAMEDA	27.3	25.6	78.6	79.3
ALPINE	13.9 *	46.5 *	52.9 *	34.5 *
AMADOR	22.1	21.5	83.5	88.4
BUTTE	29.5	27.5	73.7	73.3
CALAVERAS	20.8	21.3	75.7	77.8
COLUSA	43.1	44.4	76.8	77.4
CONTRA COSTA	23.4	21.3	76.4	76.1
DEL NORTE	40.9	44.3	74.4	74.0
EL DORADO	17.0	16.0	66.8	73.7
FRESNO	56.3	54.3	85.0	84.9
GLENN	42.5	44.9	78.4	77.8
HUMBOLDT	30.1	28.2	69.6	75.2
IMPERIAL	57.2	55.2	63.5	59.5
INYO	36.4	33.3	62.7	69.1
KERN	62.2	62.7	73.1	69.7
KINGS	67.0	59.2	70.4	73.6
LAKE	39.4	41.5	65.7	69.8
LASSEN	29.6	27.7	73.3	72.1
LOS ANGELES	39.7	33.7	83.5	83.3
MADERA	62.3	57.3	71.1	69.1
MARIN	11.8	11.9	91.6	87.8
MARIPOSA	23.2 *	19.5 *	70.2	68.3
MENDOCINO	34.9	35.8	70.4	73.9
MERCED	55.2	50.8	54.2	59.4
MODOC	22.6 *	26.7 *	52.3	56.1
MONO	31.7 *	16.4 *	72.9	82.8
MONTEREY	57.4	54.5	74.4	74.1
NAPA	29.0	24.8	75.9	76.8
NEVADA	16.8	14.4	70.4	75.9
ORANGE	29.8	25.7	85.1	86.9
PLACER	16.1	13.5	78.7	79.4
PLUMAS	17.6 *	21.1 *	59.2	61.7
RIVERSIDE	41.2	38.9	76.3	77.5
SACRAMENTO	36.7	34.6	74.1	75.9
SAN BENITO	34.6	34.5	65.7	78.2
SAN BERNARDINO	45.6	44.4	76.1	75.7
SAN DIEGO	35.1	33.0	74.0	74.0
SAN FRANCISCO	21.5	22.1	81.6	81.6
SAN JOAQUIN	49.5	41.5	64.3	70.8
SAN LUIS OBISPO	20.0	20.0	82.3	83.4
SAN MATEO	22.1	20.8	85.1	84.2
SANTA BARBARA	41.9	42.2	79.3	77.5
SANTA CLARA	26.6	23.8	77.5	79.9
SANTA CRUZ	31.9	33.6	83.7	82.0
SHASTA	34.3	33.3	71.3	71.5
SIERRA	5.8 *	6.1 *	59.1 *	71.6 *
SISKIYOU	35.6	38.3	68.7	74.7
SOLANO	29.4	29.3	70.4	71.2
SONOMA	26.1	23.2	69.9	74.7
STANISLAUS	44.9	40.6	70.2	72.5
SUTTER	43.0	35.7	74.5	70.5
TEHAMA	45.7	43.2	69.3	72.6
TRINITY	16.4 *	27.3 *	61.1	54.2
TULARE	63.5	61.7	74.1	76.8
TUOLUMNE	21.9	26.4	78.4	77.1
VENTURA	34.3	34.7	77.9	81.0
YOLO	22.2	20.6	73.7	76.7
YUBA	55.6	42.0	71.1	68.2

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

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

¹ Age-adjusted death rates are per 100,000 population.

² Excludes multiple/contributing causes of death.

³ Crude case rates are per 100,000 population.

⁴ Birth cohort rates are per 1,000 live births.

⁵ Low birthweight and prenatal care percentages per 100 live births.

⁶ Adolescent birth rates per 1,000 female population aged 15 to 19 years.

⁷ Current data are not comparable to prior years as a result of changes in data collection and methodology.

Sources: California Department of Public Health: 2007-2009 Birth Statistical Master Files.

State of California Department of Finance: 2008 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

TECHNICAL NOTES

DATA SOURCES

The California Department of Public Health (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 2003 through 2009, and from the linked births-deaths in the Birth Cohort-Perinatal Outcome Files for the years 2003 through 2008, 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, and to provide the most accurate data interpretation, you are linked to their web site this year.

The population data are provided on the Internet by the California Department of Finance (DOF), 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 148 non-traffic deaths during 2007 through 2009 was not included in Table 15, which was re-titled "Deaths Due to Motor Vehicle Traffic Crashes." This change, effective with County Health Status Profiles 2009, aligns the data for direct comparison with Healthy People 2010 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
Table 4:	Lung Cancer.....	C33-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 Diseases (Stroke).....	I60-I69
Table 11:	Influenza/Pneumonia.....	J09-J18
Table 12:	Chronic Lower Respiratory Diseases.....	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. CDC online case definitions may be found at URL: http://www.cdc.gov/ncphi/od/ai/casedef/case_definitions.htm.

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 depict county of residence, except for tuberculosis which reflects reporting jurisdiction (pages 47, 48, and 76). 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 2007 through 2009. 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 2010 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): In County Health Status Profiles 2011, it is necessary to direct you to the CDPH, Breastfeeding Statistics web site, <http://www.cdph.ca.gov/data/statistics/Pages/BreastfeedingStatistics.aspx>. As you will notice, two different versions of the Newborn Screening Test Form (Version C and Version D) were used by hospitals to collect infant feeding data in 2009. Because the wording of the infant feeding question was different on each form, 2009 data are shown side-by-side by type of form. This format was not consistent with that used for other indicators presented in the report and had to be excluded. Breastfeeding initiation data collection and reporting methods for 2010 will be more uniform allowing for inclusion in next years report.

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. For 2009, analyses are limited to cases reported on the Newborn Screening Test Form Version NBS-I(C) (6/07), representing 27% of all cases, and Version NBS-I (D) (12/08), representing 73% of all cases. The wording of the infant feeding question was different on each version of the form. To complete Version C of the form, staff must select all applicable classes from the following five categories to describe 'all nutrition since birth (per chart review)': (1) Human Milk, (2) Formula, (3) Fortifier, (4) TPN/Hyperal, and (5) IV Fluid. To complete Version D of the form, staff must select from the following three categories to describe 'all feeding since birth': (1) Only Human Milk, (2) Only Formula, or (3) Human Milk & Formula.

Also, the 2009 analyses exclude data for infants that were in a Neonatal Intensive Care Unit (NICU) nursery or received TPN at the time of specimen collection. For these reasons, 2009 breastfeeding initiation data should not be compared to data reported in previous County Health Status Profiles Reports or data for prior years (2000-2008) currently posted to the Breastfeeding Statistics web-site.

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, except for Tuberculosis, which was compiled by reporting jurisdiction. 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 2010 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 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., 2007-2009), divided by the population in the middle year (e.g., 2008).

The "standard error of a rate" and "coefficient of variation" or relative standard error (RSE) provided the rational basis for determining which rates maybe 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 approximation. 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 adequacy (Table 27B). 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 fifty-eighth rank. Data for adequacy of prenatal care is 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 fifty-eighth rank. For all health indicators, counties with identical rates or percentages are ranked first by largest population or number of births, thus larger counties may appear ahead of smaller counties.

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 2010 objective using only one data point is not recommended. In monitoring progress toward achieving the objective target rate, HP 2010 guidelines recommend using absolute differences between the target rate, the most recent data point, and a progress quotient. HP 2010 guidelines for measuring objectives are online at <http://www.healthypeople.gov/2010/search/publications.htm>

THEMATIC MAPS

ArcGIS, version 9.3, 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 2010 Objective target, if one exists, and in comparison with the California rate. For example, a typical map for an indicator with a HP 2010 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 2010 Objectives, or with HP 2010 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 fiftieth percentile of the rates/percentages among those counties.

Asian/Pacific Islander infant mortality race group rates (pages 51 and 52) are arrayed by counties and California as a whole having rates at or below the HP 2010 target rate with the remaining counties divided into two groups based on the 50th percentile for rates above the HP 2010 target rate.

FORMULAS USED IN THIS REPORT

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

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

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

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

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

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

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

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

Where:

- CDR = Crude Death Rate
- ADR = Age-Adjusted Death Rate
- ASDR = Age-Specific Death Rate
- nD = Number of Deaths
- 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 2010 National Objectives. The standard population was the year 2000 U.S. population. The data in the following example were extracted from Table 1: Deaths Due to All Causes, 2007 through 2009 for Alameda County.

ALAMEDA COUNTY					
AGE GROUPS	2006-2008 DEATHS (AVERAGE)	2007 POPULATION	AGE-SPECIFIC RATE/100,000	2000 U.S. STANDARD POPULATION PROPORTIONS	WEIGHTED RATE FACTORS
	(A)	(B)	(C)	(D)	(E)
TOTAL	9,272.0	1,520,763	609.7		
Unknown	0.7				
<1	95.3	20,496	465.1	0.013818	6.4
1-4	18.0	82,559	21.8	0.055317	1.2
5-14	22.0	197,797	11.1	0.145565	1.6
15-24	149.7	195,491	76.6	0.138646	10.6
25-34	176.0	217,835	80.8	0.135573	11.0
35-44	323.7	250,409	129.3	0.162613	21.0
45-54	751.3	226,740	331.4	0.134834	44.7
55-64	1,160.3	166,456	697.1	0.087247	60.8
65-74	1,361.0	84,735	1,606.2	0.066037	106.1
75-84	2,323.3	54,120	4,292.9	0.044842	192.5
>84	2,890.7	24,125	11,982.0	0.015508	185.8
AGE-ADJUSTED RATE-----					641.7

- STEP 1:** Array 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 **641.7** 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 COUNTY'S HEALTH STATUS PROFILE FOR 2011**

MORTALITY

HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2007-2009		AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS		NATIONAL OBJECTIVE	AGE-ADJUSTED DEATH RATE	
		DEATHS (AVERAGE)	CRUDE DEATH RATE		LOWER	UPPER		NATIONAL	STATEWIDE
	ALL CAUSES	233,101.0	609.5	647.2	644.6	649.9	a	758.6	647.2
03-01	ALL CANCERS	55,083.3	144.0	154.0	152.7	155.3	158.6	175.5	154.0
03-05	COLORECTAL CANCER	5,153.3	13.5	14.4	14.0	14.8	13.7	16.5	14.4
03-02	LUNG CANCER	13,081.0	34.2	37.2	36.5	37.8	43.3	49.6	37.2
03-03	FEMALE BREAST CANCER	4,260.0	22.2	21.2	20.5	21.8	21.3	22.9	21.2
03-07	PROSTATE CANCER	3,051.3	16.0	21.7	21.0	22.5	28.2	23.5	21.7
05-05	DIABETES	7,235.0	18.9	20.3	19.8	20.7	b	21.8	20.3
	ALZHEIMER'S DISEASE	9,490.7	24.8	26.7	26.2	27.2	a	24.4	26.7
12-01	CORONARY HEART DISEASE	45,872.7	119.9	128.0	126.8	129.2	162.0	132.3	128.0
12-07	CEREBROVASCULAR DISEASE (STROKE)	13,642.0	35.7	38.4	37.8	39.0	50.0	40.6	38.4
	INFLUENZA/PNEUMONIA	6,482.7	16.9	18.2	17.7	18.6	a	17.0	18.2
	CHRONIC LOWER RESPIRATORY DISEASE	12,916.0	33.8	37.1	36.4	37.7	a	44.0	37.1
26-02	CHRONIC LIVER DISEASE AND CIRRHOSIS	4,150.0	10.9	10.8	10.5	11.1	3.2	9.2	10.8
15-13	ACCIDENTS (UNINTENTIONAL INJURIES)	10,900.3	28.5	28.7	28.2	29.2	17.1	38.6	28.7
15-15a	MOTOR VEHICLE TRAFFIC CRASHES	3,515.3	9.2	9.2	8.9	9.5	8.0	12.9	9.2
18-01	SUICIDE	3,677.3	9.6	9.6	9.3	9.9	4.8	11.6	9.6
15-32	HOMICIDE	2,243.0	5.9	5.8	5.5	6.0	2.8	5.9	5.8
15-03	FIREARM-RELATED DEATHS	3,146.0	8.2	8.2	7.9	8.5	3.6	10.3	8.2
26-03	DRUG-INDUCED DEATHS	4,161.3	10.9	10.7	10.4	11.0	1.2	12.3	10.7

MORBIDITY

HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2007-2009		95% CONFIDENCE LIMITS	NATIONAL OBJECTIVE	CRUDE CASE RATE		
		CASES (AVERAGE)	CRUDE CASE RATE			LOWER	UPPER	NATIONAL
13-01	AIDS INCIDENCE (AGE 13 AND OVER)	3,334.7	10.7	10.3	11.0	1.0	12.2	10.7
25-01	CHLAMYDIA INCIDENCE	146,249.7	382.4	380.4	384.3	d	c	382.4
25-02a	GONORRHEA INCIDENCE	26,843.3	70.2	69.3	71.0	19.0	110.7	70.2
14-11	TUBERCULOSIS INCIDENCE	2,630.7	6.9	6.6	7.1	1.0	4.2	6.9

INFANT MORTALITY

HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2006-2008		95% CONFIDENCE LIMITS	NATIONAL OBJECTIVE	BIRTH COHORT		
		DEATHS (AVERAGE)	BIRTH COHORT DEATH RATE			NATIONAL	STATEWIDE	
16-01c	INFANT MORTALITY: ALL RACES	2960.0	5.3	5.1	5.5	4.5	6.7	5.3
16-01c	INFANT MORTALITY: ASIAN/PI	305.7	4.5	4.0	5.1	4.5	4.6	4.5
16-01c	INFANT MORTALITY: BLACK	365.7	12.3	11.1	13.6	4.5	13.4	12.3
16-01c	INFANT MORTALITY: HISPANIC	1512.0	5.2	4.9	5.4	4.5	5.4	5.2
16-01c	INFANT MORTALITY: WHITE	698.0	4.6	4.3	5.0	4.5	5.6	4.6

NATALITY

HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2007-2009		95% CONFIDENCE LIMITS	NATIONAL OBJECTIVE	PERCENTAGE		
		BIRTHS (AVERAGE)	PERCENT			LOWER	UPPER	NATIONAL
16-10a	LOW BIRTHWEIGHT INFANTS	37,473.7	6.8	6.8	6.9	5.0	8.2	6.8
16-06a	LATE OR NO PRENATAL CARE	92,745.3	17.3	17.2	17.4	10.0	du	17.3
16-06b	ADEQUATE/ADEQUATE PLUS CARE	417,428.0	79.0	78.8	79.3	90.0	dsu	79.0

HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2007-2009		95% CONFIDENCE LIMITS	NATIONAL OBJECTIVE	AGE-SPECIFIC BIRTH RATE		
		BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTH RATE			NATIONAL	STATEWIDE	
	BIRTHS TO MOTHERS AGED 15-19	50,969.3	34.7	34.4	35.0	a	41.5	34.7

BREASTFEEDING

HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2009		95% CONFIDENCE LIMITS	NATIONAL OBJECTIVE	PERCENTAGE	
		BIRTHS	PERCENT			LOWER	UPPER
	BREASTFEEDING INITIATION	Please see: http://www.cdph.ca.gov/programs/BreastFeeding/Pages/default.aspx				75.0	

CENSUS

HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2008		95% CONFIDENCE LIMITS	NATIONAL OBJECTIVE	PERCENTAGE		
		NUMBER	PERCENT			LOWER	UPPER	NATIONAL
	PERSONS UNDER 18 IN POVERTY	1,702,066	17.0	17.0	17.0	a	19.0	17.0

a Healthy People 2010 (HP 2010) 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. California's data exclude multiple/contributing causes of death.

c National rate is not comparable to California due to rate calculation methods.

d Prevalence data were not available in all California counties to evaluate HP 2010 National Objective of no more than 3 percent testing positive in the population aged 15 to 24 years.

dsu Data do not meet the criteria for statistical reliability, data quality, or confidentiality. Centers for Disease Control and Prevention (CDCP) website at <http://wonder.cdc.gov/data2010/>. Accessed March 2010.

du Data unavailable

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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.

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