

COUNTY HEALTH STATUS PROFILES 2012

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH AND
CALIFORNIA CONFERENCE OF LOCAL HEALTH OFFICERS
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COUNTY HEALTH STATUS PROFILES 2012

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

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Health Information and Strategic Planning staff, who collected, coded, and edited birth and death certificates, the basis of the Birth and the Death Statistical Master Files.

Cover Photography by **John Rudzinkas**: Silver Lake in the Eldorado National Forest.



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

We are pleased to present California's **County Health Status Profiles 2012**. 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. This annual report, which includes data year 2004-2010 is the final application, of the Healthy People 2010 National Objectives.

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 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.

Ron Chapman, MD, MPH
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TABLE OF CONTENTS

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

TABLES WITH HIGHLIGHTS	3-79
------------------------------	------

TABLES

HEALTH STATUS INDICATORS

1 – 19 MORTALITY INDICATORS PER 100,000 POPULATION

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

20 – 23 MORBIDITY INDICATORS PER 100,000 POPULATION

20	Acquired Immunodeficiency Syndrome (AIDS).....	41-42
21	Chlamydia	43-44
22	Gonorrhea	45-46
23	Tuberculosis	47-48

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

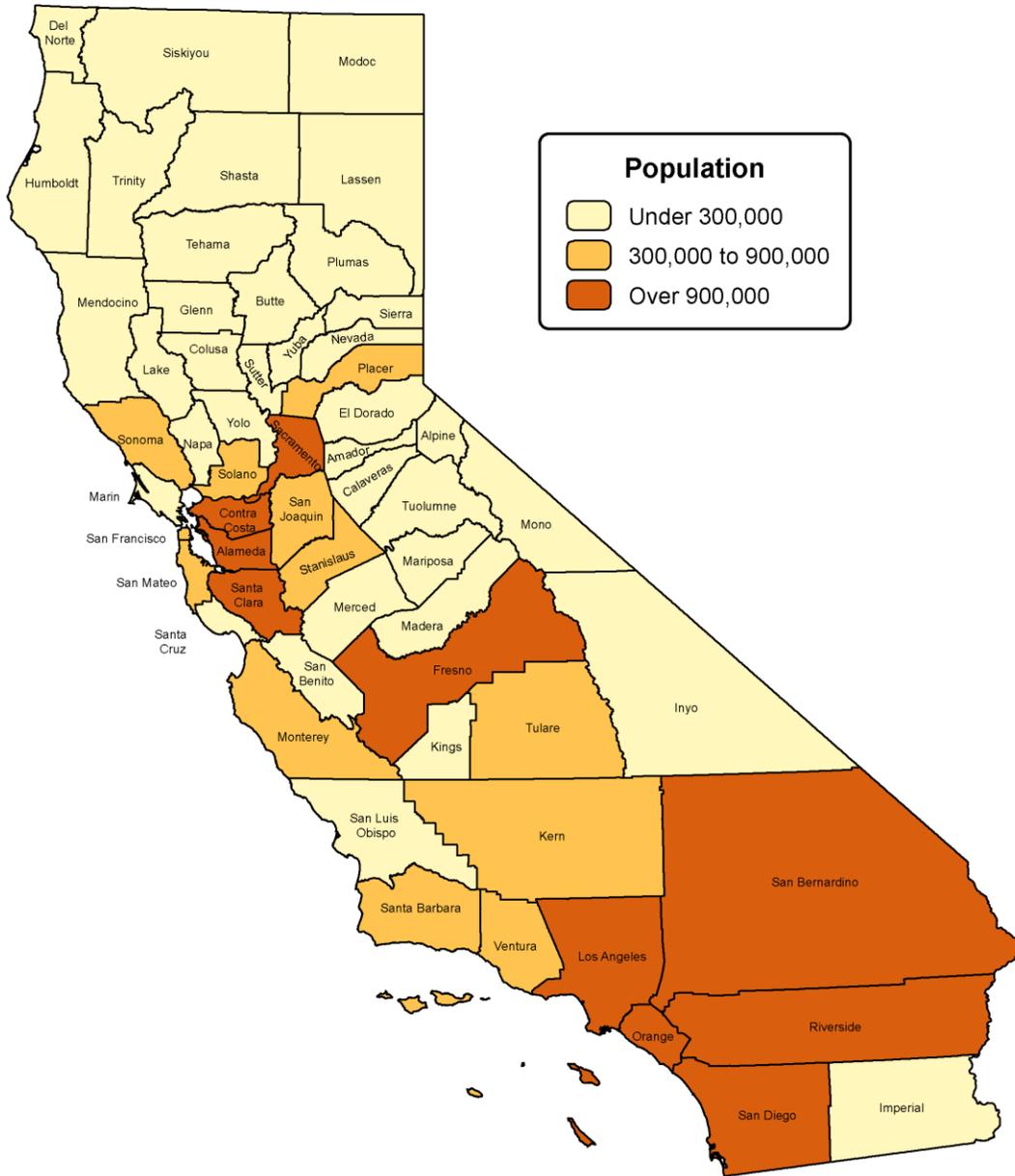
24A	Infant Mortality, All Race/Ethnic Groups.....	49-50
24B	Asian/Pacific Islander Infant Mortality	51-52
24C	Black Infant Mortality	53-54
24D	Hispanic Infant Mortality	55-56
24E	White Infant Mortality.....	57-58

TABLE OF CONTENTS (continued)

<u>TABLES</u>	<u>HEALTH STATUS INDICATORS</u>	
25 – 27B	NATALITY INDICATORS PER 100 LIVE BIRTHS OR 1,000 POPULATION	
25	Low Birthweight Infants	59-60
26	Births to Adolescent Mothers, 15-19 Years Old Per 1,000 Live Births	61-62
27A	Prenatal Care Not Begun During the First Trimester	63-64
27B	Adequate/Adequate Plus Prenatal Care	65-66
	BREASTFEEDING INITIATION RATES PER 100 LIVE BIRTHS	
28	Breastfeeding Initiation During Early Postpartum.....	67-68
29	2008 CENSUS POPULATION HEALTH INDICATOR	
	Persons Under 18 In Poverty	69-70
30	CURRENT AND PRIOR THREE-YEAR AVERAGE RATES AND PERCENTAGES BY COUNTY	
	A Comparison of Three-Year Average Rates And Percentages Among Selected Health Status Indicators	71-79
TECHNICAL NOTES		80-89
APPENDIX A		
	California's Health Status Profile 2012.....	90
BIBLIOGRAPHY		91

CALIFORNIA COUNTIES

STATEWIDE POPULATION: 38,688,293



State of California, Department of Finance, 2009 Race/Ethnic Population with Age and Sex 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 90) 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). The tables include the upper and lower 95 percent confidence limits, which provide a means to assess the degree of stability for the estimated rates and percentages. Confidence intervals based on 100 or more events are calculated utilizing a normal approximation. In cases where there are fewer than 100 events, the gamma distribution is applied. Vital statistics rates and percentages are subject to random variation, which is inversely related to the number of events (e.g., deaths) used to calculate the rates and percentages. Rates calculated from fewer than 20 events are considered unreliable and are indicated with an asterisk (*). Dashes (-) indicate that percentages and confidence limits are not calculated due to zero events.

Counties are ranked by rates or percentages based on the methodology described in the Technical Notes section (pages 80 to 89). 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 2012 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 2009 race/ethnicity population estimates by county with age and sex detail. Estimates of persons under age 18 in poverty in 2009 are from the U.S. Census Bureau <http://www.census.gov/did/www/saipe/>.

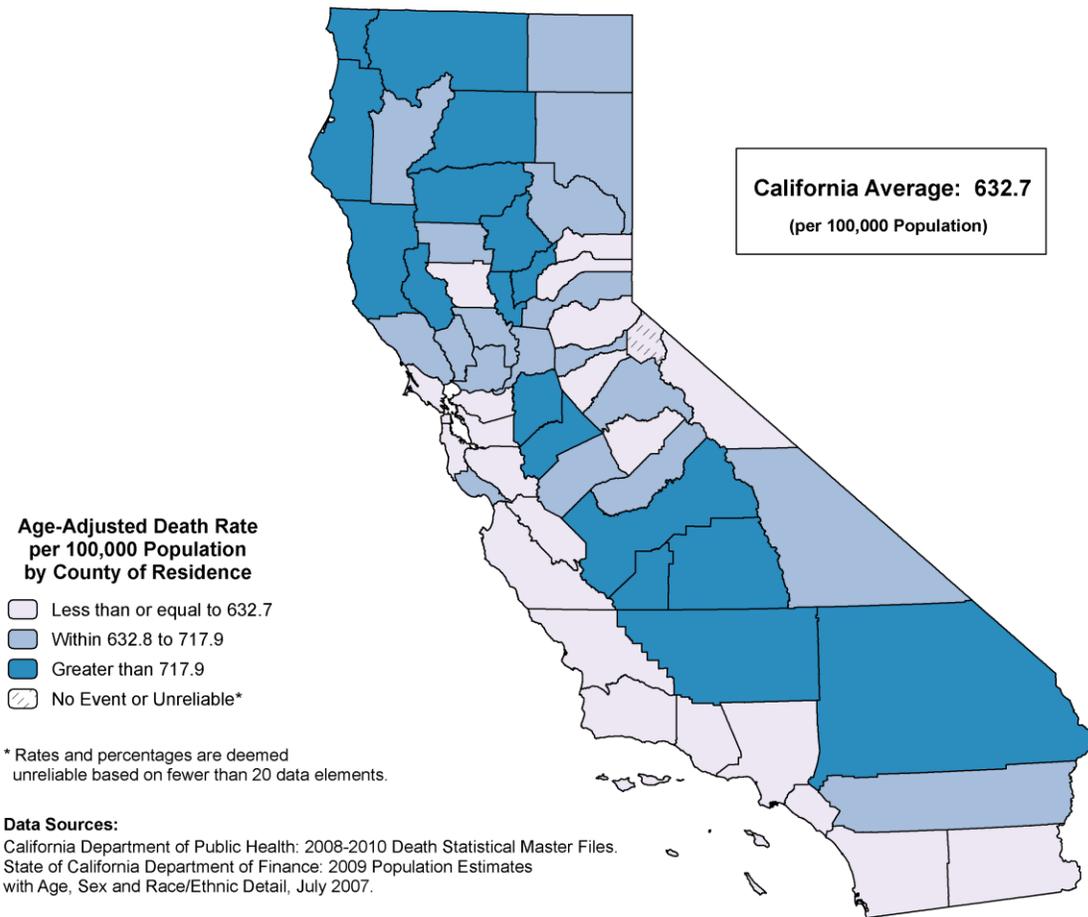
To access electronic copies of this report, visit the CDPH, Health Information and Strategic Planning, Public Health Policy and Research Branch (PHPRB) site on the Internet at <http://www.cdph.ca.gov/programs/OHIR/Pages/CHSP.aspx>.

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 2011 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, 2008-2010



The crude death rate from all causes for California was 602.2 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 166 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 232,993.0 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 1,168.9 in Siskiyou County to 249.0 in Mono County, a factor of 4.7 to 1.

The age-adjusted death rate from all causes for California during the 2008 through 2010 three-year period was 632.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 870.8 in Shasta County to 268.2 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
		HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:			NONE		
1	MONO	14,589	36.3	249.0	268.2	188.2	370.7
2	ALPINE	1,358	7.0	515.5 *	411.8 *	165.6	848.5
3	SANTA CLARA	1,823,759	8,954.0	491.0	509.2	498.5	519.8
4	MARIN	253,517	1,775.7	700.4	527.3	502.0	552.5
5	SAN MATEO	734,230	4,499.0	612.8	547.6	531.4	563.9
6	MONTEREY	430,418	2,248.0	522.3	548.8	525.9	571.8
7	SAN BENITO	62,436	269.0	430.8	554.7	487.3	622.2
8	IMPERIAL	184,704	917.0	496.5	557.1	520.8	593.5
9	SAN FRANCISCO	814,225	5,587.7	686.3	560.9	545.9	576.0
10	ORANGE	3,190,126	17,082.3	535.5	584.5	575.6	593.4
11	LOS ANGELES	10,449,155	57,400.3	549.3	587.5	582.6	592.3
12	SANTA BARBARA	430,756	2,862.3	664.5	598.8	576.6	621.1
13	ALAMEDA	1,540,499	8,994.3	583.9	600.4	587.8	613.0
14	COLUSA	23,305	134.7	577.8	601.8	499.1	704.5
15	SIERRA	3,644	36.7	1006.2	614.9	432.2	848.8
16	NEVADA	101,822	881.0	865.2	615.4	573.0	657.8
17	SAN LUIS OBISPO	267,958	2,147.0	801.2	616.2	589.6	642.9
18	EL DORADO	186,336	1,285.7	690.0	616.6	582.1	651.1
19	MARIPOSA	18,936	175.0	924.2	618.2	523.2	713.1
20	VENTURA	846,802	4,987.0	588.9	625.7	608.1	643.2
21	SAN DIEGO	3,169,126	19,265.0	607.9	630.7	621.7	639.8
22	CALAVERAS	47,197	459.0	972.5	631.2	569.6	692.7
23	CONTRA COSTA	1,064,755	6,932.7	651.1	631.6	616.6	646.7
	CALIFORNIA	38,688,293	232,993.0	602.2	632.7	630.1	635.3
24	PLUMAS	21,744	213.7	982.6	633.1	544.5	721.6
25	PLACER	340,705	2,576.7	756.3	634.0	609.2	658.8
26	TUOLUMNE	58,435	588.0	1006.2	635.0	581.0	689.0
27	MADERA	158,253	952.3	601.8	635.0	594.2	675.8
28	LASSEN	37,570	223.0	593.6	655.3	568.0	742.7
29	INYO	19,088	198.3	1039.0	662.2	565.4	758.9
30	NAPA	140,834	1,177.3	836.0	662.4	623.6	701.2
31	SANTA CRUZ	266,776	1,627.3	610.0	676.7	642.7	710.7
32	YOLO	202,673	1,124.0	554.6	679.2	638.9	719.4
33	GLENN	30,411	223.0	733.3	682.3	591.9	772.6
34	MODOC	10,684	104.3	976.5	687.6	550.4	824.8
35	SOLANO	436,254	2,792.3	640.1	698.9	672.6	725.2
36	SONOMA	491,415	3,823.0	778.0	712.3	689.2	735.4
37	AMADOR	39,867	419.3	1051.8	712.4	641.8	783.0
38	SACRAMENTO	1,437,311	9,869.7	686.7	713.6	699.4	727.8
39	RIVERSIDE	2,178,729	13,918.0	638.8	713.9	702.0	725.8
40	MERCED	267,699	1,462.7	546.4	715.4	678.3	752.5
41	TRINITY	15,005	155.3	1035.2	717.9	598.4	837.5
42	MENDOCINO	92,466	817.7	884.3	729.9	678.8	781.0
43	SUTTER	100,044	711.7	711.4	730.4	676.5	784.3
44	SAN BERNARDINO	2,136,425	11,900.0	557.0	731.1	717.7	744.5
45	KINGS	161,030	775.7	481.7	741.7	688.0	795.5
46	TULARE	456,605	2,717.0	595.0	746.0	717.6	774.4
47	TEHAMA	64,632	582.7	901.5	747.8	686.3	809.3
48	SAN JOAQUIN	723,964	4,646.3	641.8	751.9	730.1	773.7
49	STANISLAUS	549,408	3,582.7	652.1	752.2	727.4	777.0
50	FRESNO	964,755	6,035.0	625.5	763.8	744.3	783.3
51	YUBA	78,465	516.3	658.0	776.1	708.7	843.5
52	SISKIYOU	46,853	547.7	1168.9	784.0	715.4	852.7
53	LAKE	66,727	773.3	1159.0	803.1	743.9	862.2
54	BUTTE	226,819	2,224.7	980.8	807.7	773.4	841.9
55	DEL NORTE	30,636	267.0	871.5	819.5	720.4	918.6
56	KERN	853,225	5,255.7	616.0	831.3	808.4	854.3
57	HUMBOLDT	134,024	1,244.3	928.4	865.0	816.2	913.7
58	SHASTA	189,109	2,010.3	1063.1	870.8	832.1	909.4

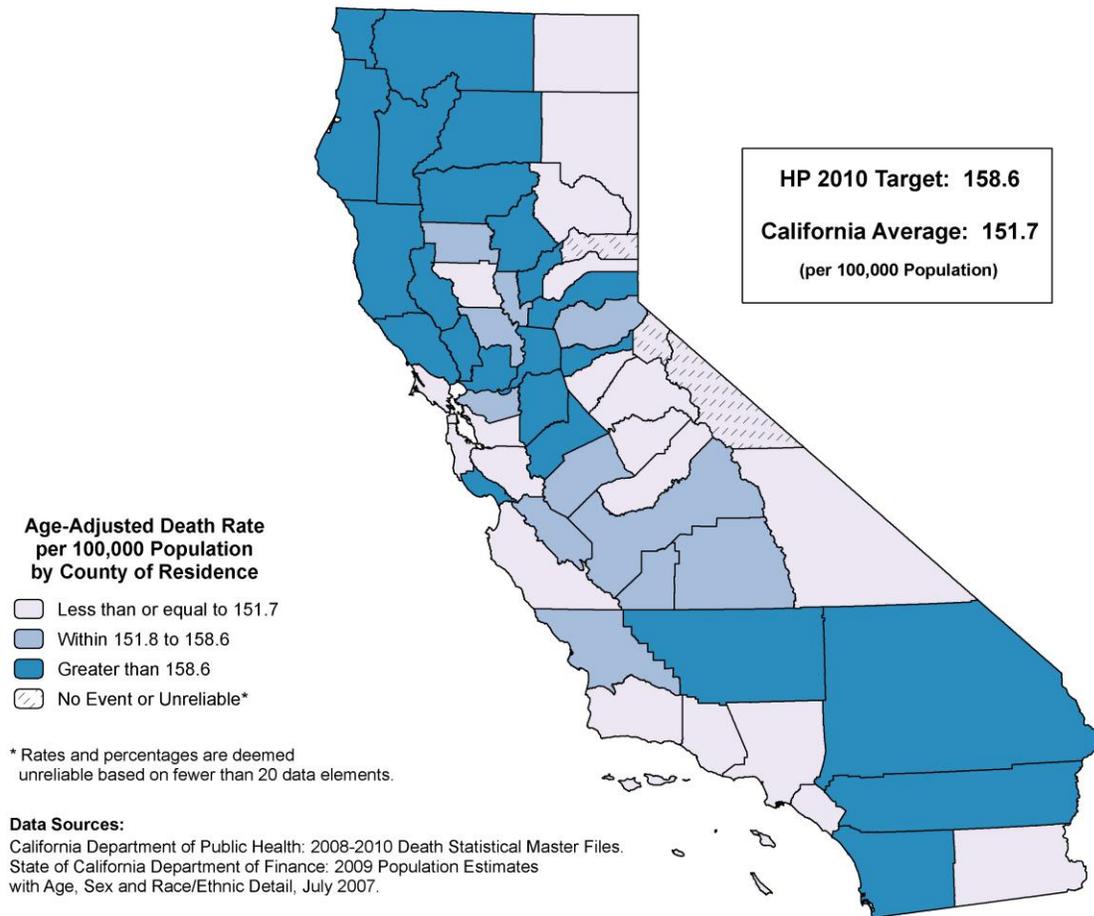
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Sources: California Department of Public Health: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO ALL CANCERS, 2008-2010



The crude death rate from all cancers for California was 143.4 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 697 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 55,485.3 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 293.2 in Trinity County to 98.3 in Kings County, a factor of 3.0 to 1.

The age-adjusted death rate from all cancers for California during the 2008 through 2010 three-year period was 151.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 203.6 in Del Norte County to 118.9 in Lassen County.

Thirty-two 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,589	7.7	52.6 *	59.2 *	25.0	118.4
2	ALPINE	1,358	1.7	122.7 *	83.3 *	7.4	334.1
3	SIERRA	3,644	6.0	164.7 *	86.8 *	31.8	188.8
4	LASSEN	37,570	41.7	110.9	118.9	85.6	160.9
5	INYO	19,088	37.3	195.6	122.8	86.6	169.0
6	IMPERIAL	184,704	206.3	111.7	126.2	108.9	143.5
7	SANTA CLARA	1,823,759	2,298.0	126.0	129.4	124.1	134.8
8	MONTEREY	430,418	519.7	120.7	129.9	118.6	141.2
9	PLUMAS	21,744	47.3	217.7	134.8	99.1	179.0
10	MARIPOSA	18,936	42.0	221.8	138.8	100.0	187.6
11	MADERA	158,253	211.0	133.3	140.1	120.9	159.2
12	MARIN	253,517	471.3	185.9	141.1	128.1	154.2
13	LOS ANGELES	10,449,155	13,733.3	131.4	141.5	139.1	143.9
14	CALAVERAS	47,197	110.0	233.1	141.6	114.1	169.1
15	MODOC	10,684	22.3	209.0	141.9	89.3	214.2
16	TUOLUMNE	58,435	137.3	235.0	142.8	118.2	167.5
17	SANTA BARBARA	430,756	667.3	154.9	144.4	133.4	155.5
18	NEVADA	101,822	219.0	215.1	144.6	124.9	164.2
19	COLUSA	23,305	31.3	134.4	144.8	98.6	205.1
20	SAN FRANCISCO	814,225	1,390.0	170.7	145.0	137.2	152.7
21	ORANGE	3,190,126	4,271.0	133.9	146.1	141.6	150.5
22	SAN MATEO	734,230	1,183.3	161.2	147.1	138.6	155.6
23	ALAMEDA	1,540,499	2,191.0	142.2	147.5	141.2	153.8
24	VENTURA	846,802	1,213.0	143.2	150.6	142.0	159.3
	CALIFORNIA	38,688,293	55,485.3	143.4	151.7	150.4	152.9
25	KINGS	161,030	158.3	98.3	152.1	127.9	176.4
26	SAN BENITO	62,436	74.3	119.1	152.4	119.7	191.2
27	CONTRA COSTA	1,064,755	1,688.0	158.5	152.4	145.0	159.8
28	SAN LUIS OBISPO	267,958	529.3	197.5	154.2	140.9	167.6
29	EL DORADO	186,336	335.7	180.1	154.6	137.7	171.5
30	TULARE	456,605	556.7	121.9	155.1	142.1	168.1
31	MERCED	267,699	313.0	116.9	155.6	138.2	173.0
32	SUTTER	100,044	153.3	153.3	155.9	131.1	180.6
33	GLENN	30,411	50.3	165.5	156.2	116.0	205.7
34	FRESNO	964,755	1,216.3	126.1	156.4	147.5	165.3
35	YOLO	202,673	261.3	128.9	158.2	138.7	177.7
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-1)					158.6	
36	SAN DIEGO	3,169,126	4,765.7	150.4	159.0	154.4	163.6
37	AMADOR	39,867	99.7	250.0	159.9	130.0	194.5
38	SAN BERNARDINO	2,136,425	2,646.0	123.9	160.0	153.8	166.2
39	SANTA CRUZ	266,776	383.0	143.6	160.3	143.6	177.0
40	STANISLAUS	549,408	769.0	140.0	163.1	151.5	174.7
41	SAN JOAQUIN	723,964	1,006.3	139.0	164.4	154.2	174.7
42	LAKE	66,727	170.3	255.3	165.9	140.3	191.5
43	MENDOCINO	92,466	193.7	209.4	166.9	142.9	190.8
44	SACRAMENTO	1,437,311	2,306.7	160.5	167.0	160.1	173.9
45	PLACER	340,705	671.0	196.9	167.9	155.0	180.7
46	KERN	853,225	1,072.3	125.7	167.9	157.7	178.1
47	RIVERSIDE	2,178,729	3,319.0	152.3	174.3	168.4	180.3
48	SOLANO	436,254	712.0	163.2	175.3	162.2	188.5
49	NAPA	140,834	297.0	210.9	175.8	155.4	196.2
50	TEHAMA	64,632	141.7	219.2	180.0	150.2	209.8
51	SONOMA	491,415	953.0	193.9	180.0	168.3	191.7
52	YUBA	78,465	119.3	152.1	180.3	147.8	212.8
53	BUTTE	226,819	487.7	215.0	180.4	164.2	196.6
54	TRINITY	15,005	44.0	293.2	182.1	132.3	244.5
55	SISKIYOU	46,853	127.7	272.5	182.6	150.0	215.3
56	HUMBOLDT	134,024	269.0	200.7	184.7	162.3	207.2
57	SHASTA	189,109	468.3	247.7	199.0	180.7	217.2
58	DEL NORTE	30,636	67.3	219.8	203.6	157.9	258.4

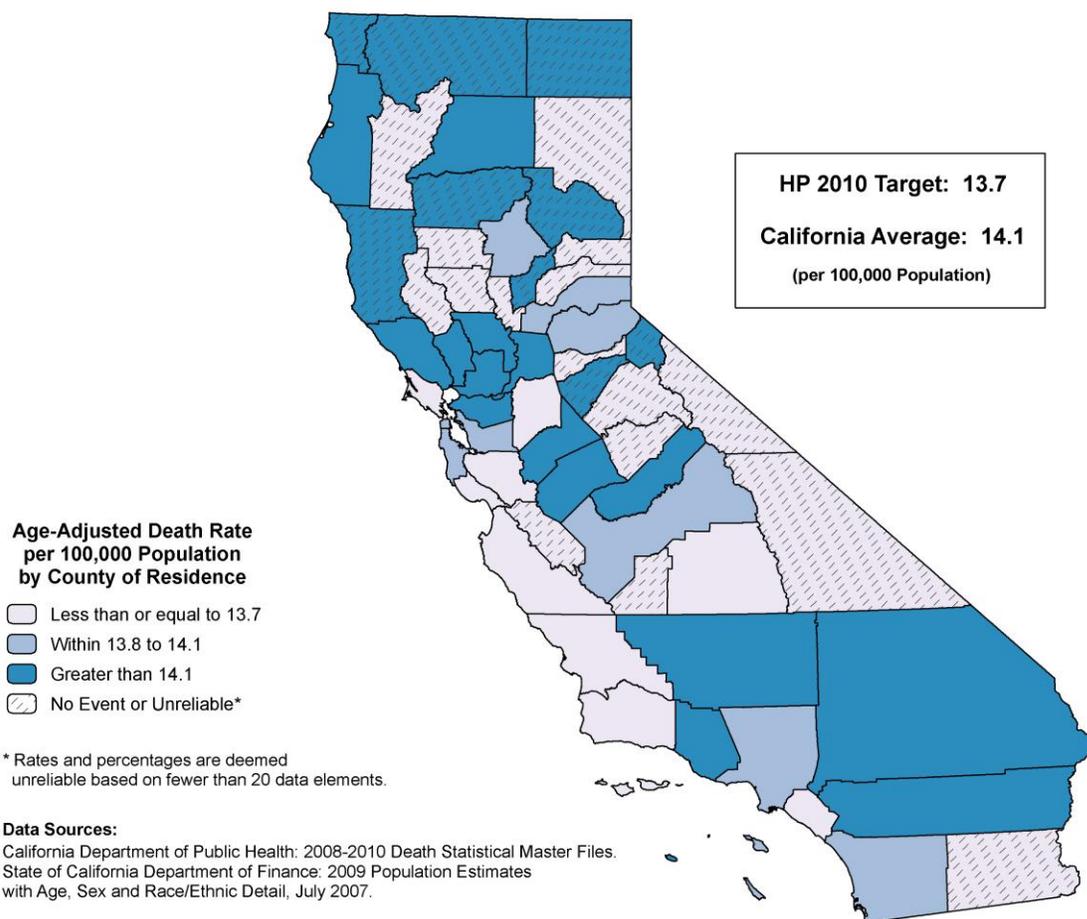
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Sources: California Department of Public Health: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO COLORECTAL CANCER, 2008-2010



The crude death rate from colorectal cancer for California was 13.4 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 7,464 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 5,183.0 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 20.8 in Shasta County to 8.8 in Monterey County, a factor of 2.4 to 1.

The age-adjusted death rate from colorectal cancer for California during the 2008 through 2010 three-year period was 14.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 18.3 in Riverside County to 9.4 in Monterey County.

Nine 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 sixteen counties with unreliable rates 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, 2008-2010**

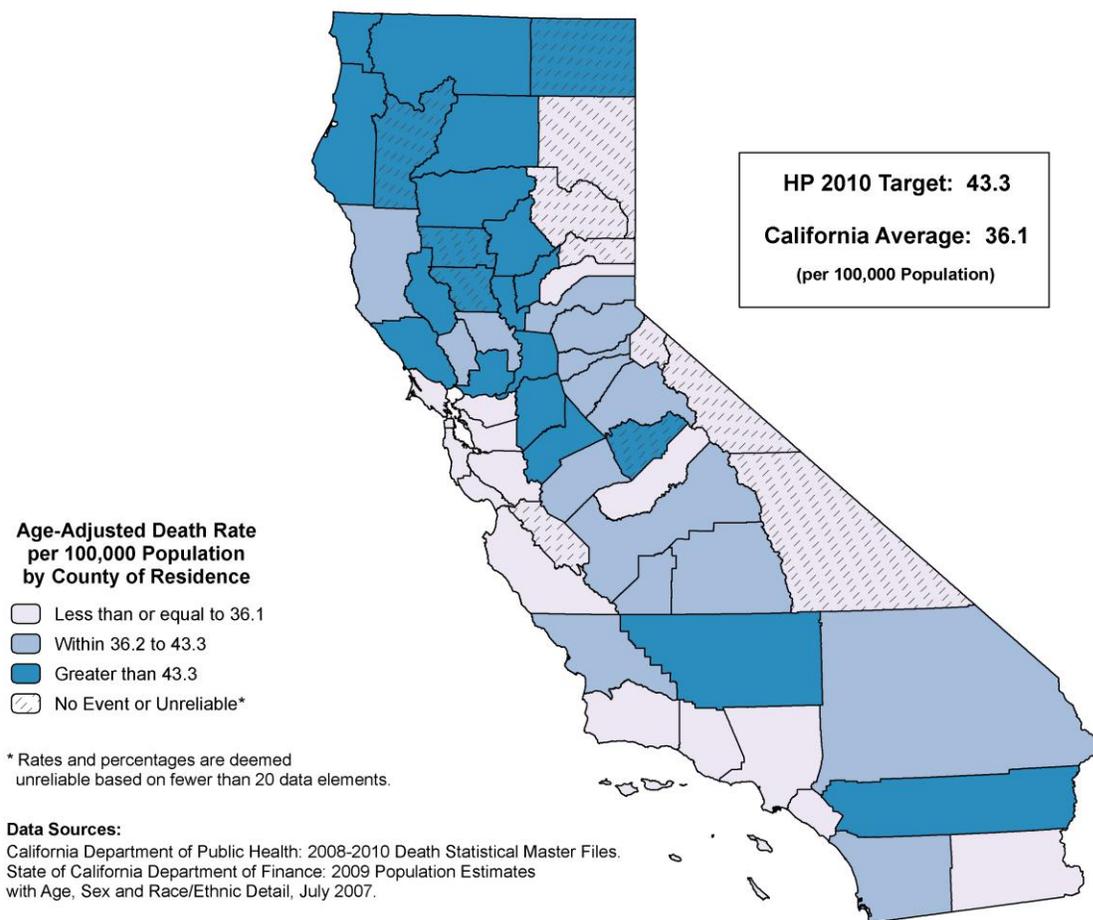
RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	SIERRA	3,644	0.3	9.1 *	4.5 *	0.0	58.8
2	MARIPOSA	18,936	1.7	8.8 *	4.9 *	0.4	19.8
3	MONO	14,589	0.7	4.6 *	5.1 *	0.0	38.4
4	GLENN	30,411	2.7	8.8 *	7.9 *	1.4	24.6
5	LASSEN	37,570	3.0	8.0 *	8.5 *	1.7	24.8
6	COLUSA	23,305	2.0	8.6 *	8.7 *	1.0	31.3
7	TRINITY	15,005	2.0	13.3 *	8.9 *	1.1	32.0
8	MONTEREY	430,418	37.7	8.8	9.4	6.6	12.9
9	IMPERIAL	184,704	16.7	9.0 *	10.1 *	5.8	16.2
10	AMADOR	39,867	6.7	16.7 *	10.6 *	4.2	22.3
11	KINGS	161,030	11.0	6.8 *	11.0 *	5.5	19.6
12	TUOLUMNE	58,435	11.0	18.8 *	11.3 *	5.7	20.3
13	SANTA BARBARA	430,756	53.7	12.5	11.5	8.6	15.0
14	LAKE	66,727	11.7	17.5 *	11.8 *	6.0	20.8
15	NEVADA	101,822	18.7	18.3 *	12.1 *	7.2	18.9
16	SANTA CLARA	1,823,759	221.3	12.1	12.4	10.7	14.0
17	SUTTER	100,044	12.3	12.3 *	12.7 *	6.7	22.1
18	ORANGE	3,190,126	376.3	11.8	12.8	11.5	14.1
19	MARIN	253,517	43.3	17.1	13.1	9.5	17.6
20	SAN BENITO	62,436	6.0	9.6 *	13.1 *	4.8	28.5
21	SANTA CRUZ	266,776	32.0	12.0	13.1	9.0	18.5
22	SAN LUIS OBISPO	267,958	45.3	16.9	13.1	9.6	17.6
23	SAN JOAQUIN	723,964	81.7	11.3	13.3	10.5	16.5
24	TULARE	456,605	48.7	10.7	13.5	10.0	17.9
25	INYO	19,088	4.0	21.0 *	13.6 *	3.7	34.7
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-5)						13.7	
26	LOS ANGELES	10,449,155	1,346.0	12.9	13.8	13.0	14.5
27	SAN DIEGO	3,169,126	415.7	13.1	13.8	12.4	15.1
28	PLACER	340,705	55.3	16.2	13.8	10.4	18.0
29	SAN FRANCISCO	814,225	138.0	16.9	14.0	11.6	16.4
30	FRESNO	964,755	109.0	11.3	14.0	11.3	16.7
31	SAN MATEO	734,230	113.7	15.5	14.0	11.4	16.7
32	ALAMEDA	1,540,499	209.3	13.6	14.1	12.1	16.0
33	EL DORADO	186,336	30.3	16.3	14.1	9.5	20.1
34	BUTTE	226,819	39.0	17.2	14.1	10.1	19.3
	CALIFORNIA	38,688,293	5,183.0	13.4	14.1	13.7	14.5
35	KERN	853,225	90.3	10.6	14.2	11.4	17.5
36	YOLO	202,673	24.3	12.0	14.7	9.5	21.8
37	SACRAMENTO	1,437,311	203.7	14.2	14.8	12.7	16.8
38	CALAVERAS	47,197	10.7	22.6 *	14.9 *	7.3	26.9
39	VENTURA	846,802	122.0	14.4	15.1	12.4	17.8
40	MADERA	158,253	22.7	14.3	15.1	9.5	22.7
41	CONTRA COSTA	1,064,755	169.7	15.9	15.1	12.8	17.5
42	YUBA	78,465	10.0	12.7 *	15.3 *	7.3	28.2
43	SONOMA	491,415	84.0	17.1	17.1	12.5	19.5
44	PLUMAS	21,744	5.7	26.1 *	15.8 *	5.6	35.1
45	MERCED	267,699	31.7	11.8	15.9	10.9	22.5
46	SAN BERNARDINO	2,136,425	260.0	12.2	16.0	14.0	18.0
47	MENDOCINO	92,466	18.0	19.5 *	16.0 *	9.5	25.3
48	TEHAMA	64,632	13.0	20.1 *	16.2 *	8.6	27.6
49	SOLANO	436,254	67.7	15.5	16.5	12.8	20.9
50	SISKIYOU	46,853	11.0	23.5 *	16.6 *	8.3	29.7
51	HUMBOLDT	134,024	24.7	18.4	16.8	10.8	24.8
52	STANISLAUS	549,408	79.0	14.4	16.9	13.4	21.0
53	SHASTA	189,109	39.3	20.8	17.1	12.2	23.4
54	DEL NORTE	30,636	6.0	19.6 *	17.4 *	6.4	37.9
55	NAPA	140,834	29.0	20.6	17.5	11.7	25.1
56	MODOC	10,684	3.0	28.1 *	18.0 *	3.7	52.7
57	RIVERSIDE	2,178,729	350.7	16.1	18.3	16.4	20.2
58	ALPINE	1,358	0.3	24.5 *	20.2 *	0.0	264.1

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

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO LUNG CANCER, 2008-2010



The crude death rate from lung cancer for California was 33.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,977 persons. This rate was based on the 2008 through 2010 three-year average number of deaths equaling 12,996.7 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 82.9 in Lake County to 23.6 in Kings County, a factor of 3.5 to 1.

The age-adjusted death rate from lung cancer for California during the 2008 through 2010 three-year period was 36.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 60.7 in Del Norte County to 27.5 in Santa Clara County.

Thirty 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,589	1.7	11.4 *	13.8 *	1.2	55.4
2	ALPINE	1,358	0.3	24.5 *	18.8 *	0.0	246.0
3	SIERRA	3,644	1.7	45.7 *	24.6 *	2.2	98.5
4	SANTA CLARA	1,823,759	478.7	26.2	27.5	25.0	30.0
5	IMPERIAL	184,704	45.0	24.4	28.0	20.4	37.4
6	INYO	19,088	8.7	45.4 *	28.8 *	12.9	55.3
7	LASSEN	37,570	10.3	27.5 *	30.4 *	14.8	55.4
8	LOS ANGELES	10,449,155	2,938.3	28.1	30.9	29.7	32.0
9	MARIN	253,517	105.0	41.4	31.4	25.3	37.5
10	MONTEREY	430,418	122.0	28.3	31.4	25.8	37.0
11	SAN MATEO	734,230	261.7	35.6	33.0	29.0	37.1
12	NEVADA	101,822	51.0	50.1	33.3	24.8	43.7
13	SANTA BARBARA	430,756	151.0	35.1	33.5	28.1	38.9
14	MADERA	158,253	50.0	31.6	33.8	25.1	44.6
15	VENTURA	846,802	272.7	32.2	34.2	30.1	38.3
16	SAN BENITO	62,436	16.3	26.2 *	34.4 *	19.8	55.6
17	ALAMEDA	1,540,499	504.7	32.8	34.5	31.4	37.6
18	ORANGE	3,190,126	984.7	30.9	34.5	32.4	36.7
19	SANTA CRUZ	266,776	80.7	30.2	35.1	27.8	43.6
20	CONTRA COSTA	1,064,755	382.0	35.9	35.2	31.6	38.7
21	SAN FRANCISCO	814,225	332.3	40.8	35.3	31.4	39.1
22	PLUMAS	21,744	12.7	58.3 *	35.9 *	18.9	61.9
CALIFORNIA		38,688,293	12,996.7	33.6	36.1	35.5	36.8
23	SAN LUIS OBISPO	267,958	127.3	47.5	37.0	30.5	43.5
24	YOLO	202,673	60.0	29.6	37.2	28.4	47.9
25	KINGS	161,030	38.0	23.6	37.2	26.3	51.1
26	SAN DIEGO	3,169,126	1,104.7	34.9	37.6	35.3	39.8
27	EL DORADO	186,336	83.3	44.7	38.3	30.6	47.5
28	SAN BERNARDINO	2,136,425	620.7	29.1	38.6	35.5	41.7
29	PLACER	340,705	156.0	45.8	38.8	32.7	44.9
30	FRESNO	964,755	293.3	30.4	38.8	34.4	43.3
31	CALAVERAS	47,197	32.0	67.8	39.2	26.8	55.4
32	NAPA	140,834	68.0	48.3	41.1	31.9	52.1
33	TUOLUMNE	58,435	41.3	70.7	41.1	29.6	55.7
34	TULARE	456,605	147.3	32.3	41.8	35.0	48.6
35	MENDOCINO	92,466	50.7	54.8	42.0	31.3	55.3
36	AMADOR	39,867	26.7	66.9	42.9	28.2	62.5
37	MERCED	267,699	85.7	32.0	43.3	34.6	53.5
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-2)					43.3		
38	STANISLAUS	549,408	204.7	37.3	44.0	37.9	50.0
39	RIVERSIDE	2,178,729	836.0	38.4	44.5	41.5	47.5
40	HUMBOLDT	134,024	63.7	47.5	44.6	34.3	56.9
41	SACRAMENTO	1,437,311	608.7	42.3	44.6	41.0	48.1
42	SOLANO	436,254	180.0	41.3	44.8	38.2	51.5
43	KERN	853,225	282.0	33.1	45.1	39.7	50.4
44	SONOMA	491,415	234.3	47.7	45.1	39.2	51.0
45	SAN JOAQUIN	723,964	277.7	38.4	46.0	40.6	51.5
46	MODOC	10,684	7.3	68.6 *	46.6 *	19.2	94.4
47	BUTTE	226,819	123.7	54.5	46.6	38.3	54.9
48	GLENN	30,411	15.3	50.4 *	48.0 *	27.1	78.8
49	MARIPOSA	18,936	14.0	73.9 *	48.3 *	26.4	81.1
50	TEHAMA	64,632	39.7	61.4	50.0	35.7	68.2
51	SUTTER	100,044	49.7	49.6	50.3	37.3	66.4
52	LAKE	66,727	55.3	82.9	51.5	38.8	66.9
53	COLUSA	23,305	11.7	50.1 *	53.1 *	27.1	93.4
54	SISKIYOU	46,853	38.7	82.5	53.9	38.2	73.7
55	SHASTA	189,109	135.0	71.4	56.8	47.2	66.4
56	YUBA	78,465	38.3	48.9	59.0	41.8	80.9
57	TRINITY	15,005	14.7	97.7 *	59.6 *	33.1	98.9
58	DEL NORTE	30,636	20.0	65.3	60.7	37.1	93.8

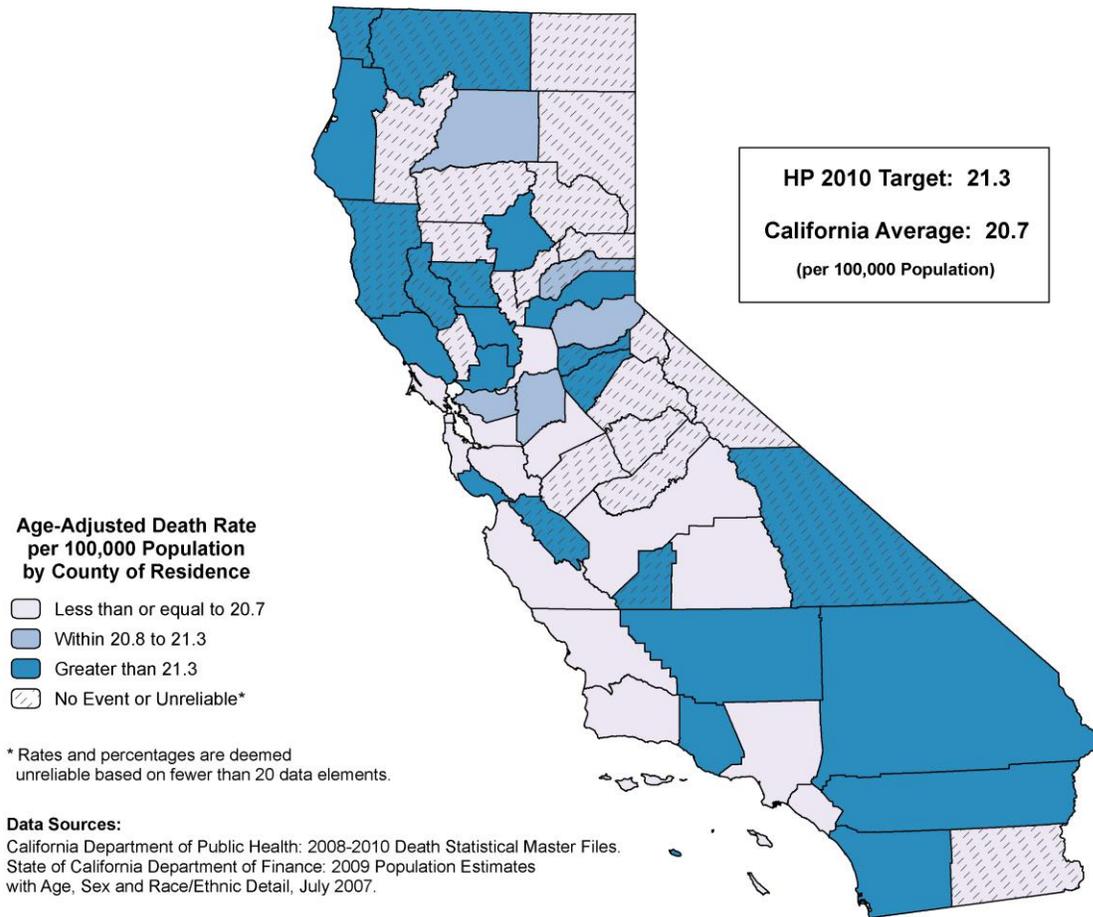
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Sources: California Department of Public Health: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO FEMALE BREAST CANCER, 2008-2010



The crude death rate from female breast cancer for California was 22.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 4,543 females. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 4,266.3 and female population count of 19,382,584 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 32.4 in Butte County to 16.4 in Tulare County, a factor of 2.0 to 1.

The age-adjusted death rate from female breast cancer for California during the 2008 through 2010 three-year period was 20.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 26.8 in Sonoma County to 16.4 in San Francisco County.

Eighteen 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 seventeen 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 FEMALE POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	652	0.0	-	-	-	-
2	MODOC	5,265	0.7	12.7 *	8.7 *	0.0	64.7
3	SIERRA	1,808	0.3	18.4 *	9.2 *	0.0	120.7
4	LASSEN	14,362	2.0	13.9 *	10.4 *	1.3	37.5
5	MADERA	81,540	10.3	12.7 *	12.5 *	6.1	22.8
6	MONO	6,793	1.0	14.7 *	13.5 *	0.3	75.1
7	YUBA	38,910	5.3	13.7 *	14.8 *	5.0	33.6
8	TUOLUMNE	27,763	8.3	30.0 *	15.0 *	6.6	29.2
9	MERCED	132,777	17.7	13.3 *	15.6 *	9.2	24.7
10	MARIPOSA	9,269	2.7	28.8 *	16.3 *	2.9	50.4
11	SAN FRANCISCO	395,969	87.3	22.1	16.4	13.1	20.2
12	SANTA BARBARA	214,373	43.7	20.4	16.8	12.2	22.6
13	IMPERIAL	86,741	14.3	16.5 *	16.8 *	9.3	28.1
14	SANTA CLARA	899,862	178.0	19.8	17.7	15.1	20.3
15	MONTEREY	210,495	39.3	18.7	18.1	12.9	24.7
16	TRINITY	7,394	1.7	22.5 *	18.6 *	1.6	74.5
17	FRESNO	478,764	82.3	17.2	18.7	14.9	23.2
18	TULARE	227,478	37.3	16.4	18.9	13.4	26.1
19	GLENN	15,025	3.3	22.2 *	19.0 *	4.4	52.8
20	TEHAMA	32,564	8.7	26.6 *	19.0 *	8.6	36.6
21	NAPA	70,640	17.7	25.0 *	19.1 *	11.2	30.2
22	MARIN	128,112	36.7	28.6	19.2	13.5	26.5
23	ALAMEDA	787,263	168.7	21.4	19.7	16.7	22.8
24	SAN MATEO	369,108	90.7	24.6	19.8	15.9	24.3
25	SUTTER	50,630	10.3	20.4 *	19.8 *	9.6	36.1
26	LOS ANGELES	5,266,592	1,115.3	21.2	20.2	19.0	21.4
27	PLUMAS	10,989	3.7	33.4 *	20.3 *	5.1	54.0
28	SAN LUIS OBISPO	131,100	36.0	27.5	20.4	14.3	28.3
29	ORANGE	1,606,431	346.0	21.5	20.6	18.4	22.7
30	STANISLAUS	279,687	55.7	19.9	20.7	15.6	26.8
31	SACRAMENTO	731,119	163.0	22.3	20.7	17.5	23.9
	CALIFORNIA	19,382,584	4,266.3	22.0	20.7	20.1	21.3
32	EL DORADO	93,356	24.0	25.7	20.8	13.3	30.9
33	CONTRA COSTA	541,314	129.7	24.0	20.8	17.1	24.4
34	NEVADA	51,110	17.7	34.6 *	20.9 *	12.3	33.1
35	SHASTA	96,100	26.7	27.7	21.1	13.8	30.7
36	SAN JOAQUIN	363,697	70.7	19.4	21.2	16.5	26.7
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-3)					21.3	
37	LAKE	33,576	11.0	32.8 *	21.7 *	10.8	38.8
38	KERN	416,237	78.0	18.7	21.8	17.3	27.2
39	COLUSA	11,396	2.3	20.5 *	22.0 *	3.3	73.0
40	CALAVERAS	23,875	8.7	36.3 *	22.0 *	9.9	42.3
41	SAN DIEGO	1,577,371	375.0	23.8	22.1	19.8	24.3
42	VENTURA	421,464	99.7	23.6	22.2	18.0	27.0
43	KINGS	70,693	13.3	18.9 *	22.5 *	12.1	38.3
44	SISKIYOU	23,886	8.7	36.3 *	22.5 *	10.1	43.3
45	SAN BERNARDINO	1,068,850	218.3	20.4	22.8	19.8	25.9
46	INYO	9,632	3.7	38.1 *	23.2 *	5.8	61.7
47	YOLO	102,692	21.7	21.1	23.3	14.6	35.5
48	SOLANO	216,510	54.3	25.1	23.5	17.7	30.7
49	RIVERSIDE	1,093,427	249.3	22.8	23.7	20.8	26.7
50	SAN BENITO	30,817	6.7	21.6 *	23.9 *	9.4	50.1
51	HUMBOLDT	67,515	20.0	29.6	25.1	15.3	38.7
52	PLACER	174,509	56.0	32.1	25.2	19.0	32.7
53	SANTA CRUZ	133,476	35.7	26.7	25.7	17.9	35.6
54	BUTTE	115,119	37.3	32.4	25.8	18.2	35.5
55	MENDOCINO	46,286	16.3	35.3 *	26.4 *	15.2	42.6
56	SONOMA	248,266	80.0	32.2	26.8	21.3	33.4
57	DEL NORTE	13,845	4.7	33.7 *	26.9 *	8.3	64.5
58	AMADOR	18,090	9.0	49.8 *	29.5 *	13.5	56.0

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

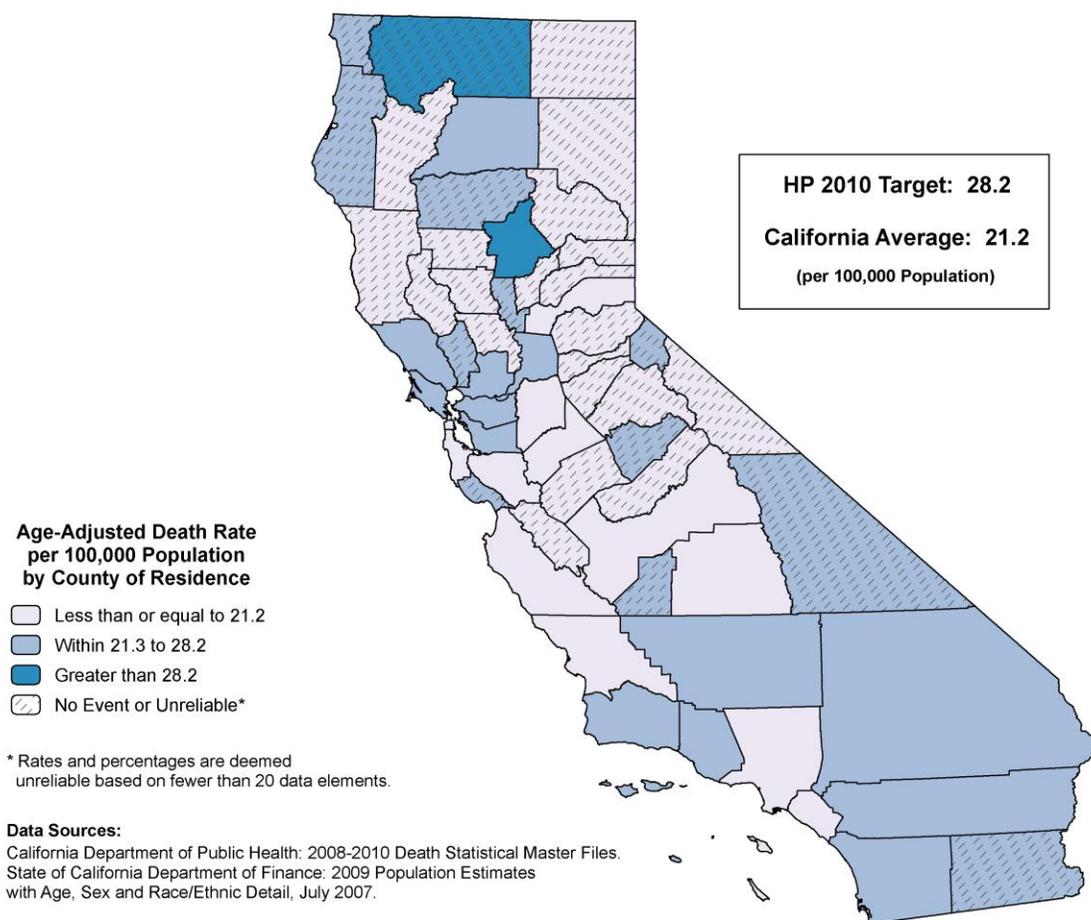
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO PROSTATE CANCER, 2008-2010



The crude death rate from male prostate cancer for California was 15.8 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 6,323 males. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 3,053.3 and male population count of 19,305,709 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 31.0 in Butte County to 11.1 in Santa Clara County, a factor of 2.8 to 1.

The age-adjusted death rate from male prostate cancer for California during the 2008 through 2010 three-year period was 21.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 29.7 in Butte County to 14.7 in Santa Clara 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 thirty-one 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 MALE POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATHRATE	AGE-ADJUSTED DEATHRATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MODOC	5,419	0.3	6.2 *	4.7 *	0.0	61.7
2	LASSEN	23,208	1.3	5.7 *	8.8 *	0.5	40.4
3	SIERRA	1,836	0.3	18.2 *	11.5 *	0.0	150.2
4	SANTA CLARA	923,897	102.3	11.1	14.7	11.8	17.6
5	SAN FRANCISCO	418,256	62.0	14.8	15.0	11.5	19.3
6	CALAVERAS	23,322	5.7	24.3 *	16.1 *	5.7	35.9
7	SAN BENITO	31,619	3.0	9.5 *	16.7 *	3.4	48.7
8	TUOLUMNE	30,672	7.7	25.0 *	17.0 *	7.2	33.9
9	AMADOR	21,777	4.7	21.4 *	17.0 *	5.2	40.8
10	TRINITY	7,611	2.0	26.3 *	17.3 *	2.1	62.6
11	MONO	7,796	1.3	17.1 *	17.4 *	1.0	80.0
12	NEVADA	50,712	12.0	23.7 *	18.3 *	9.5	32.0
13	EL DORADO	92,980	16.3	17.6 *	18.4 *	10.6	29.7
14	MADERA	76,713	11.7	15.2 *	18.5 *	9.5	32.6
15	MENDOCINO	46,180	9.0	19.5 *	18.6 *	8.5	35.3
16	YOLO	99,981	12.0	12.0 *	18.7 *	9.7	32.7
17	LAKE	33,151	9.0	27.1 *	18.9 *	8.6	35.8
18	PLUMAS	10,755	3.0	27.9 *	19.0 *	3.9	55.5
19	YUBA	39,555	5.0	12.6 *	19.0 *	6.2	44.3
20	SAN MATEO	365,122	61.7	16.9	19.1	14.6	24.5
21	PLACER	166,196	32.7	19.7	19.4	13.3	27.2
22	MONTEREY	219,923	31.7	14.4	19.4	13.3	27.5
23	FRESNO	485,991	59.3	12.2	19.5	14.9	25.1
24	SAN LUIS OBISPO	136,858	30.0	21.9	20.0	13.5	28.5
25	MERCED	134,922	15.7	11.6 *	20.1 *	11.4	32.9
26	TULARE	229,127	28.0	12.2	20.2	13.4	29.2
27	LOS ANGELES	5,182,563	764.0	14.7	20.3	18.8	21.7
28	SAN JOAQUIN	360,267	51.0	14.2	20.6	15.3	27.0
29	STANISLAUS	269,721	38.7	14.3	20.6	14.7	28.3
30	GLENN	15,386	3.0	19.5 *	21.0 *	4.3	61.4
31	ORANGE	1,583,695	231.3	14.6	21.0	18.3	23.8
32	COLUSA	11,909	2.0	16.8 *	21.1 *	2.6	76.3
	CALIFORNIA	19,305,709	3,053.3	15.8	21.2	20.4	22.0
33	SANTA CRUZ	133,300	19.0	14.3 *	21.3 *	12.8	33.3
34	SANTA BARBARA	216,383	41.3	19.1	21.4	15.4	29.0
35	SACRAMENTO	706,192	116.7	16.5	21.7	17.7	25.6
36	MARIPOSA	9,667	3.0	31.0 *	21.7 *	4.5	63.4
37	CONTRA COSTA	523,441	93.0	17.8	21.8	17.6	26.7
38	VENTURA	425,338	69.3	16.3	22.3	17.4	28.2
39	KINGS	90,337	8.3	9.2 *	22.5 *	9.9	43.7
40	IMPERIAL	97,963	15.7	16.0 *	22.5 *	12.8	36.7
41	MARIN	125,405	30.3	24.2	22.6	15.3	32.2
42	SUTTER	49,414	8.7	17.5 *	22.9 *	10.3	44.1
43	ALAMEDA	753,236	132.0	17.5	23.2	19.2	27.2
44	SAN BERNARDINO	1,067,575	147.3	13.8	24.2	20.2	28.2
45	NAPA	70,194	18.3	26.1 *	24.2 *	14.4	38.2
46	TEHAMA	32,068	8.3	26.0 *	24.4 *	10.7	47.4
47	SAN DIEGO	1,591,755	287.7	18.1	24.4	21.5	27.2
48	RIVERSIDE	1,085,302	192.0	17.7	24.4	21.0	27.9
49	INYO	9,456	3.3	35.3 *	25.1 *	5.8	69.7
50	KERN	436,988	59.3	13.6	25.1	19.1	32.3
51	SOLANO	219,744	38.0	17.3	25.4	18.0	34.9
52	HUMBOLDT	66,509	15.3	23.1 *	25.5 *	14.4	41.8
53	SONOMA	243,149	53.3	21.9	25.5	19.2	33.4
54	ALPINE	706	0.3	47.2 *	25.8 *	0.0	337.9
55	DEL NORTE	16,791	3.7	21.8 *	26.2 *	6.6	69.7
56	SHASTA	93,009	27.0	29.0	27.6	18.2	40.2
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-7)					28.2	
57	SISKIYOU	22,967	9.7	42.1 *	29.3 *	13.9	54.5
58	BUTTE	111,700	34.7	31.0	29.7	20.7	41.4

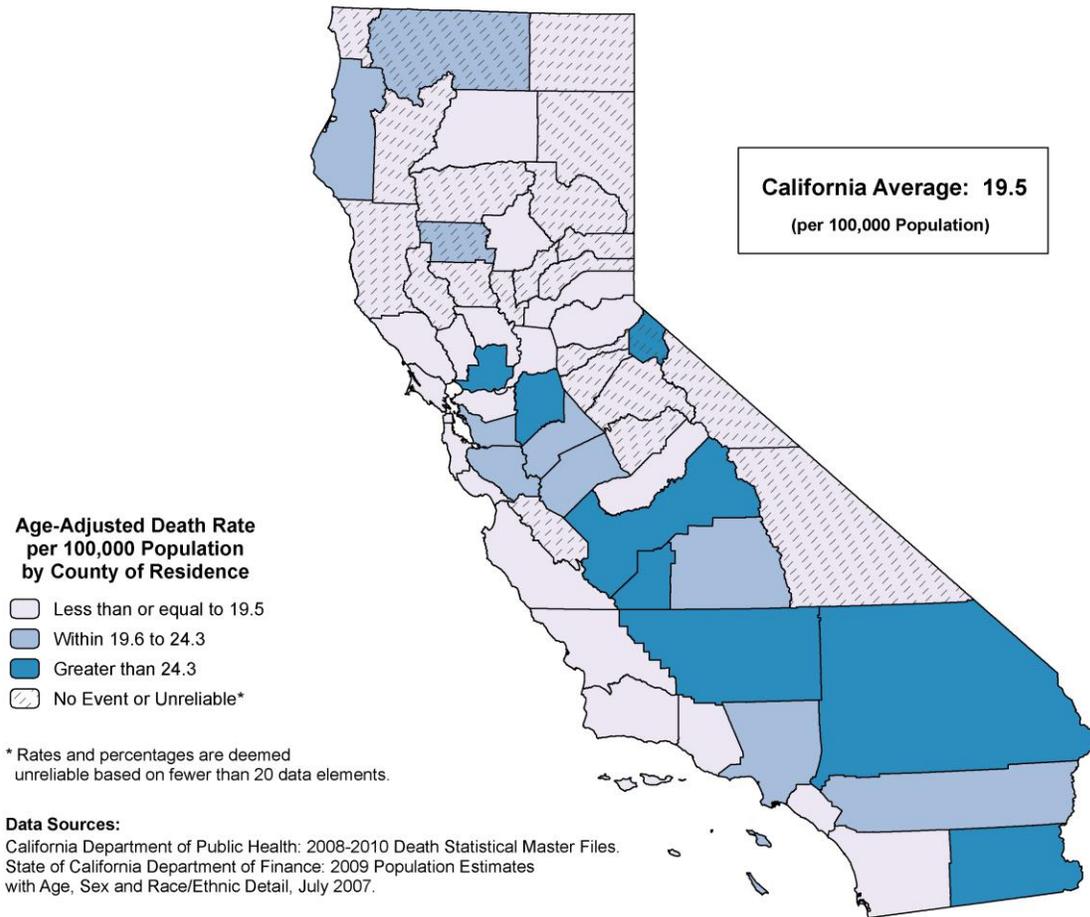
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Sources: California Department of Public Health: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO DIABETES, 2008-2010



The crude death rate from diabetes for California was 18.4 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 5,440 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 7,112.3 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 26.1 in Humboldt County to 11.6 in Marin County, a factor of 2.3 to 1.

The age-adjusted death rate from diabetes for California during the 2008 through 2010 three-year period was 19.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 32.6 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. This report does not utilize multiple causes of death data. Therefore, California's progress in meeting this objective will not be addressed in this report.

**TABLE 7
DEATHS DUE TO DIABETES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATHRATE	AGE-ADJUSTED DEATHRATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:						NONE	
1	MONO	14,589	0.3	2.3 *	3.0 *	0.0	39.6
2	COLUSA	23,305	1.3	5.7 *	5.1 *	0.3	23.7
3	TRINITY	15,005	1.3	8.9 *	5.7 *	0.3	26.4
4	MARIN	253,517	29.3	11.6	8.8	5.9	12.6
5	AMADOR	39,867	6.7	16.7 *	10.3 *	4.0	21.5
6	SAN FRANCISCO	814,225	104.7	12.9	10.6	8.6	12.7
7	MODOC	10,684	1.7	15.6 *	10.7 *	0.9	42.8
8	INYO	19,088	3.3	17.5 *	10.9 *	2.5	30.3
9	NEVADA	101,822	16.0	15.7 *	11.1 *	6.4	18.1
10	SIERRA	3,644	0.7	18.3 *	11.2 *	0.1	83.5
11	EL DORADO	186,336	23.7	12.7	11.3	7.2	16.8
12	MARIPOSA	18,936	3.3	17.6 *	11.4 *	2.6	31.6
13	SAN MATEO	734,230	91.7	12.5	11.4	9.2	14.0
14	SAN LUIS OBISPO	267,958	42.0	15.7	12.2	8.8	16.4
15	TUOLUMNE	58,435	11.7	20.0 *	12.4 *	6.3	21.7
16	PLACER	340,705	53.3	15.7	13.2	9.9	17.3
17	SHASTA	189,109	30.7	16.2	13.3	9.0	19.0
18	CALAVERAS	47,197	11.0	23.3 *	13.4 *	6.7	24.0
19	ORANGE	3,190,126	411.7	12.9	14.2	12.8	15.6
20	LAKE	66,727	14.3	21.5 *	14.7 *	8.1	24.5
21	SAN BENITO	62,436	7.0	11.2 *	14.9 *	6.0	30.7
22	MENDOCINO	92,466	16.3	17.7 *	14.9 *	8.6	24.2
23	SANTA BARBARA	430,756	70.3	16.3	15.0	11.7	19.0
24	MADERA	158,253	23.0	14.5	15.2	9.6	22.7
25	SUTTER	100,044	15.7	15.7 *	15.8 *	9.0	25.8
26	CONTRA COSTA	1,064,755	176.3	16.6	16.0	13.6	18.4
27	MONTEREY	430,418	63.7	14.8	16.0	12.3	20.5
28	TEHAMA	64,632	12.0	18.6 *	16.1 *	8.3	28.1
29	YUBA	78,465	10.7	13.6 *	16.4 *	8.1	29.6
30	SONOMA	491,415	86.3	17.6	16.5	13.2	20.3
31	VENTURA	846,802	134.3	15.9	16.8	13.9	19.7
32	PLUMAS	21,744	5.7	26.1 *	17.1 *	6.0	37.9
33	BUTTE	226,819	47.0	20.7	17.3	12.7	23.1
34	YOLO	202,673	30.0	14.8	18.2	12.3	26.0
35	DEL NORTE	30,636	6.0	19.6 *	18.2 *	6.7	39.7
36	NAPA	140,834	31.7	22.5	18.7	12.8	26.5
37	SAN DIEGO	3,169,126	568.3	17.9	18.9	17.3	20.4
38	LASSEN	37,570	6.3	16.9 *	18.9 *	7.2	40.2
39	SACRAMENTO	1,437,311	265.0	18.4	19.1	16.8	21.5
40	SANTA CRUZ	266,776	44.3	16.6	19.5	14.2	26.2
	CALIFORNIA	38,688,293	7,112.3	18.4	19.5	19.0	19.9
41	ALAMEDA	1,540,499	296.3	19.2	20.0	17.7	22.3
42	RIVERSIDE	2,178,729	395.3	18.1	20.7	18.6	22.7
43	LOS ANGELES	10,449,155	2,014.7	19.3	20.8	19.9	21.8
44	SANTA CLARA	1,823,759	367.3	20.1	21.0	18.8	23.2
45	GLENN	30,411	7.0	23.0 *	21.5 *	8.6	44.3
46	SISKIYOU	46,853	15.0	32.0 *	21.6 *	12.1	35.7
47	STANISLAUS	549,408	105.3	19.2	22.4	18.1	26.7
48	TULARE	456,605	85.7	18.8	23.8	19.0	29.4
49	HUMBOLDT	134,024	35.0	26.1	24.2	16.9	33.7
50	MERCED	267,699	48.0	17.9	24.3	17.9	32.2
51	SOLANO	436,254	102.0	23.4	25.3	20.3	30.4
52	IMPERIAL	184,704	43.3	23.5	26.9	19.5	36.2
53	FRESNO	964,755	220.0	22.8	28.6	24.8	32.4
54	SAN JOAQUIN	723,964	181.0	25.0	29.9	25.5	34.3
55	SAN BERNARDINO	2,136,425	489.7	22.9	30.3	27.5	33.0
56	KERN	853,225	194.7	22.8	31.2	26.7	35.6
57	KINGS	161,030	32.7	20.3	32.6	22.4	45.9
58	ALPINE	1,358	0.7	49.1 *	37.6 *	0.2	281.1

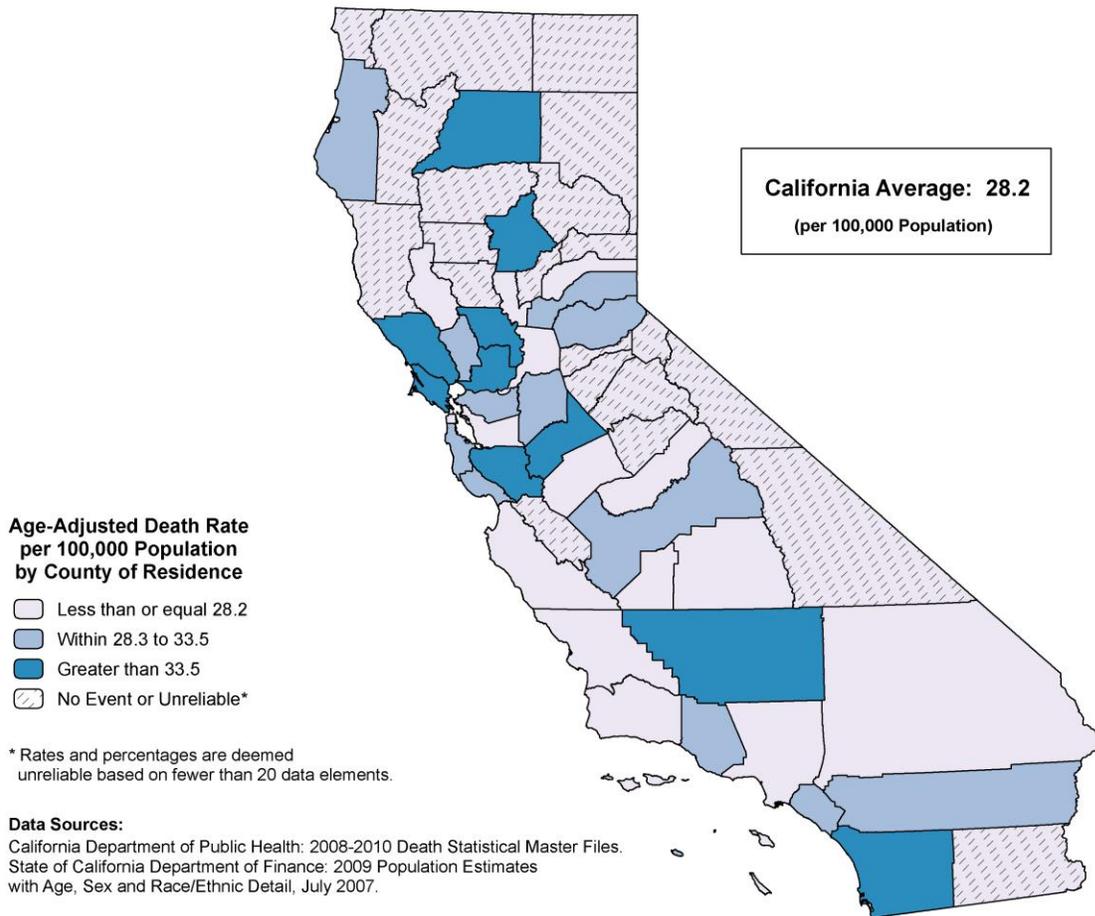
* Rates are deemed unreliable based on fewer than 20 data elements.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population. Healthy People 2010 objective is based on both underlying and contributing cause of death. This report excludes multiple/contributing cause of death.

Sources: California Department of Public Health: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO ALZHEIMER'S DISEASE, 2008-2010



The crude death rate from Alzheimer's disease for California was 26.5 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 3,767 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 10,270.0 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 56.6 in Butte County to 11.5 in Tulare County, a factor of 4.9 to 1.

The age-adjusted death rate from Alzheimer's disease for California during the 2008 through 2010 three-year period was 28.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 46.3 in Solano County to 15.2 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:						NONE	
1	SIERRA	3,644	0.0	-	-	-	-
2	ALPINE	1,358	0.0	-	-	-	-
3	INYO	19,088	0.3	1.7 *	1.1 *	0.0	14.6
4	LASSEN	37,570	2.3	6.2 *	7.9 *	1.2	26.3
5	MONO	14,589	1.0	6.9 *	9.9 *	0.2	55.0
6	CALAVERAS	47,197	8.3	17.7 *	10.8 *	4.8	21.0
7	TUOLUMNE	58,435	11.7	20.0 *	11.5 *	5.9	20.3
8	IMPERIAL	184,704	18.3	9.9 *	11.8 *	7.0	18.6
9	SAN BENITO	62,436	6.0	9.6 *	13.4 *	4.9	29.2
10	PLUMAS	21,744	5.0	23.0 *	14.0 *	4.5	32.6
11	TRINITY	15,005	3.0	20.0 *	14.0 *	2.9	40.8
12	DEL NORTE	30,636	4.7	15.2 *	14.2 *	4.4	34.1
13	MENDOCINO	92,466	17.0	18.4 *	14.6 *	8.5	23.4
14	TULARE	456,605	52.3	11.5	15.2	11.4	20.0
15	GLENN	30,411	5.3	17.5 *	15.5 *	5.3	35.2
16	MONTEREY	430,418	65.3	15.2	15.8	12.2	20.2
17	SAN FRANCISCO	814,225	213.0	26.2	18.6	16.0	21.1
18	NEVADA	101,822	28.3	27.8	19.2	12.8	27.6
19	LAKE	66,727	20.0	30.0	19.7	12.1	30.5
20	SISKIYOU	46,853	16.0	34.1 *	20.0 *	11.4	32.4
21	MODOC	10,684	3.3	31.2 *	20.2 *	4.6	56.0
22	MARIPOSA	18,936	5.7	29.9 *	20.5 *	7.2	45.5
23	TEHAMA	64,632	17.3	26.8 *	20.7 *	12.1	33.0
24	YUBA	78,465	13.0	16.6 *	21.1 *	11.2	36.0
25	SAN LUIS OBISPO	267,958	81.3	30.4	21.4	17.0	26.6
26	COLUSA	23,305	5.3	22.9 *	22.1 *	7.5	50.3
27	MERCED	267,699	42.0	15.7	22.3	16.1	30.2
28	LOS ANGELES	10,449,155	2,164.0	20.7	22.4	21.5	23.4
29	ALAMEDA	1,540,499	335.7	21.8	22.5	20.0	24.9
30	SUTTER	100,044	23.0	23.0	23.8	15.1	35.8
31	KINGS	161,030	21.0	13.0	23.9	14.8	36.5
32	AMADOR	39,867	16.3	41.0 *	25.8 *	14.8	41.7
33	MADERA	158,253	38.0	24.0	26.6	18.9	36.6
34	SACRAMENTO	1,437,311	367.0	25.5	27.0	24.2	29.8
35	SANTA BARBARA	430,756	142.0	33.0	27.2	22.6	31.7
36	SAN BERNARDINO	2,136,425	390.0	18.3	27.5	24.8	30.2
	CALIFORNIA	38,688,293	10,270.0	26.5	28.2	27.6	28.7
37	VENTURA	846,802	221.7	26.2	29.1	25.2	32.9
38	SAN MATEO	734,230	257.0	35.0	29.7	26.0	33.4
39	RIVERSIDE	2,178,729	590.0	27.1	30.0	27.6	32.4
40	NAPA	140,834	61.7	43.8	30.5	23.4	39.1
41	HUMBOLDT	134,024	44.7	33.3	31.1	22.6	41.6
42	SANTA CRUZ	266,776	73.7	27.6	31.5	24.7	39.5
43	EL DORADO	186,336	63.7	34.2	32.1	24.7	41.0
44	CONTRA COSTA	1,064,755	347.7	32.7	32.2	28.7	35.6
45	SAN JOAQUIN	723,964	195.0	26.9	32.4	27.8	37.0
46	ORANGE	3,190,126	925.0	29.0	32.4	30.3	34.5
47	FRESNO	964,755	252.0	26.1	33.4	29.2	37.5
48	PLACER	340,705	144.0	42.3	33.5	28.0	39.0
49	SHASTA	189,109	79.3	42.0	33.6	26.6	41.8
50	MARIN	253,517	119.3	47.1	33.6	27.5	39.7
51	KERN	853,225	189.0	22.2	34.5	29.6	39.4
52	SANTA CLARA	1,823,759	627.0	34.4	36.4	33.6	39.3
53	SAN DIEGO	3,169,126	1,150.7	36.3	37.0	34.9	39.2
54	STANISLAUS	549,408	173.7	31.6	37.2	31.7	42.8
55	YOLO	202,673	64.3	31.7	40.6	31.3	51.8
56	BUTTE	226,819	128.3	56.6	41.2	34.0	48.4
57	SONOMA	491,415	247.0	50.3	44.0	38.4	49.6
58	SOLANO	436,254	172.3	39.5	46.3	39.4	53.3

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

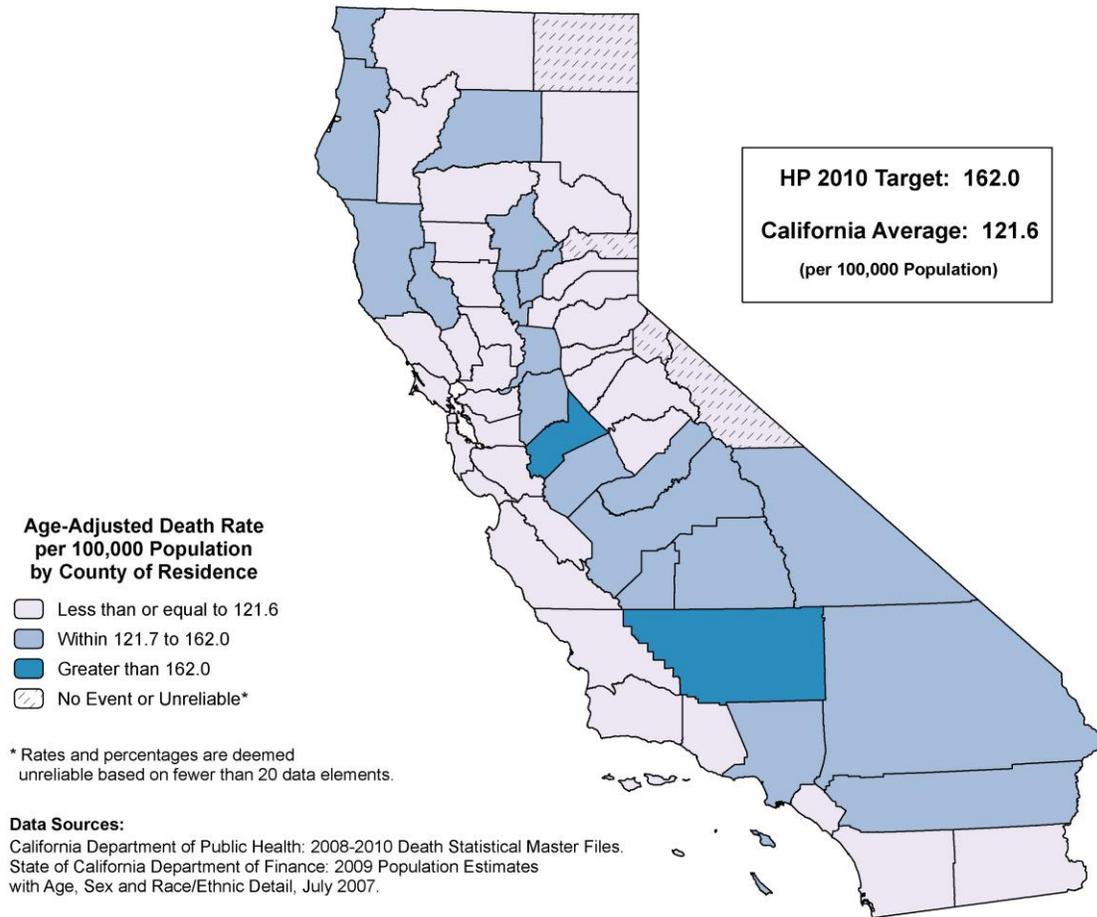
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO CORONARY HEART DISEASE, 2008-2010



The crude death rate from coronary heart disease for California was 115.4 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 867 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 44,631.3 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 237.5 in Inyo County to 59.3 in San Benito County, a factor of 4.0 to 1.

The age-adjusted death rate from coronary heart disease for California during the 2008 through 2010 three-year period was 121.6 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 166.2 in Kern County to 69.7 in Marin County.

Fifty-two 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 four 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS		
						LOWER	UPPER	
1	MONO	14,589	5.0	34.3 *	41.6 *	13.5	97.0	
2	ALPINE	1,358	0.3	24.5 *	46.7 *	0.0	611.0	
3	MARIN	253,517	243.3	96.0	69.7	60.8	78.6	
4	SAN BENITO	62,436	37.0	59.3	77.8	54.8	107.3	
5	SAN LUIS OBISPO	267,958	310.3	115.8	85.3	75.7	94.8	
6	PLUMAS	21,744	31.7	145.6	88.9	60.7	125.8	
7	SANTA CLARA	1,823,759	1,571.7	86.2	89.7	85.2	94.1	
8	SAN MATEO	734,230	762.7	103.9	90.9	84.4	97.5	
9	CONTRA COSTA	1,064,755	1,008.7	94.7	91.0	85.3	96.7	
10	TRINITY	15,005	20.3	135.5	91.4	56.1	140.7	
11	MONTEREY	430,418	385.7	89.6	93.4	84.0	102.8	
12	TUOLUMNE	58,435	92.3	158.0	93.9	75.8	115.2	
13	SIERRA	3,644	6.3	173.8 *	95.3 *	36.2	203.4	
14	IMPERIAL	184,704	153.3	83.0	95.7	80.5	111.0	
15	COLUSA	23,305	21.3	91.5	96.8	60.2	147.4	
16	YOLO	202,673	158.3	78.1	97.4	82.1	112.7	
17	NAPA	140,834	179.0	127.1	97.4	82.8	112.0	
18	ALAMEDA	1,540,499	1,474.3	95.7	98.3	93.2	103.4	
19	MODOC	10,684	15.7	146.6 *	98.4 *	55.9	160.6	
20	MARIPOSA	18,936	29.0	153.1	98.5	65.9	141.4	
21	CALAVERAS	47,197	75.7	160.3	99.1	78.0	124.1	
22	LASSEN	37,570	33.3	88.7	100.3	69.2	140.7	
23	SAN FRANCISCO	814,225	1,047.3	128.6	101.5	95.2	107.7	
24	NEVADA	101,822	152.3	149.6	101.5	85.2	117.9	
25	EL DORADO	186,336	214.7	115.2	101.9	88.1	115.7	
26	SOLANO	436,254	404.3	92.7	102.6	92.4	112.7	
27	GLENN	30,411	35.3	116.2	106.8	74.5	148.3	
28	PLACER	340,705	448.0	131.5	107.2	97.2	117.1	
29	TEHAMA	64,632	86.7	134.1	107.6	86.1	132.7	
30	SAN DIEGO	3,169,126	3,380.0	106.7	110.5	106.7	114.2	
31	AMADOR	39,867	66.7	167.2	110.8	85.8	140.8	
32	SANTA CRUZ	266,776	264.7	99.2	111.8	97.9	125.7	
33	ORANGE	3,190,126	3,293.7	103.2	113.3	109.4	117.2	
34	SISKIYOU	46,853	85.0	181.4	116.3	92.9	143.7	
35	SONOMA	491,415	634.0	129.0	116.8	107.5	126.1	
36	SANTA BARBARA	430,756	575.3	133.6	117.2	107.5	126.9	
37	VENTURA	846,802	939.3	110.9	119.1	111.4	126.8	
	CALIFORNIA	38,688,293	44,631.3	115.4	121.6	120.4	122.7	
38	DEL NORTE	30,636	40.3	131.7	123.6	88.5	168.2	
39	HUMBOLDT	134,024	180.0	134.3	123.8	105.5	142.1	
40	SACRAMENTO	1,437,311	1,786.3	124.3	129.5	123.4	135.5	
41	KINGS	161,030	127.7	79.3	130.6	107.6	153.6	
42	SHASTA	189,109	311.0	164.5	130.7	116.1	145.4	
43	MENDOCINO	92,466	150.7	162.9	130.8	109.5	152.0	
44	LOS ANGELES	10,449,155	12,931.0	123.8	132.8	130.5	135.1	
45	BUTTE	226,819	381.3	168.1	133.6	120.0	147.2	
46	INYO	19,088	45.3	237.5	137.4	100.4	183.7	
47	TULARE	456,605	482.7	105.7	137.9	125.5	150.3	
48	FRESNO	964,755	1,064.0	110.3	138.3	129.9	146.7	
49	MADERA	158,253	206.0	130.2	138.5	119.4	157.6	
50	SUTTER	100,044	135.7	135.6	138.7	115.3	162.1	
51	LAKE	66,727	141.0	211.3	139.0	115.6	162.4	
52	SAN JOAQUIN	723,964	900.0	124.3	147.6	137.9	157.3	
53	YUBA	78,465	97.0	123.6	148.6	120.5	181.3	
54	RIVERSIDE	2,178,729	2,882.7	132.3	149.0	143.5	154.4	
55	MERCED	267,699	300.0	112.1	152.9	135.5	170.3	
56	SAN BERNARDINO	2,136,425	2,457.0	115.0	159.0	152.6	165.4	
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (12-1)					162.0		
57	STANISLAUS	549,408	778.0	141.6	164.7	153.1	176.4	
58	KERN	853,225	991.0	116.1	166.2	155.7	176.6	

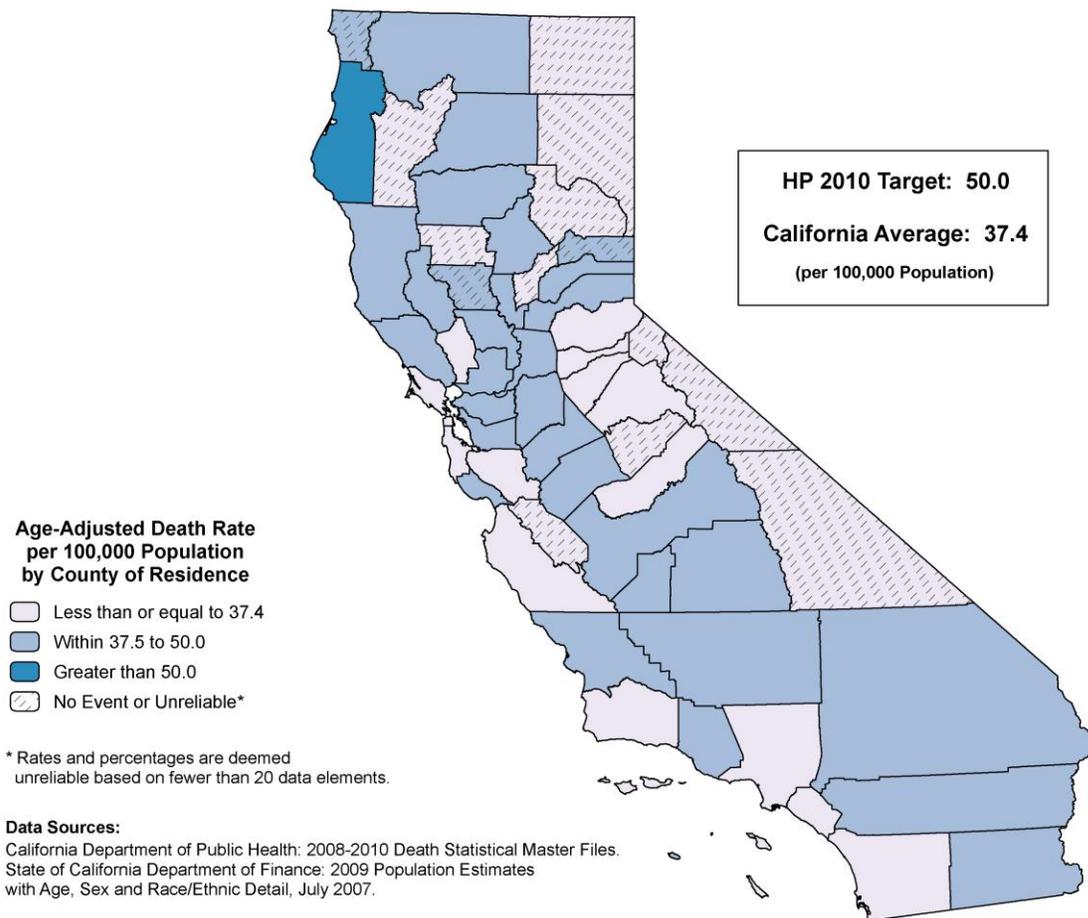
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Sources: California Department of Public Health: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE), 2008-2010



The crude death rate from cerebrovascular disease for California was 35.1 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,847 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 13,589.3 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 69.8 in San Luis Obispo County to 26.3 in Madera County, a factor of 2.7 to 1.

The age-adjusted death rate from cerebrovascular disease for California during the 2008 through 2010 three-year period was 37.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 57.0 in Humboldt County to 26.3 in El Dorado County.

Forty-three 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 DISEASE (STROKE)
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,358	0.0	-	-	-	-
2	MONO	14,589	0.3	2.3 *	2.1 *	0.0	27.5
3	PLUMAS	21,744	7.0	32.2 *	20.0 *	8.0	41.2
4	GLENN	30,411	8.7	28.5 *	24.1 *	10.8	46.3
5	LASSEN	37,570	7.7	20.4 *	24.4 *	10.3	48.7
6	TRINITY	15,005	5.7	37.8 *	25.5 *	9.0	56.8
7	EL DORADO	186,336	53.0	28.4	26.3	19.7	34.4
8	CALAVERAS	47,197	21.3	45.2	26.7	16.6	40.6
9	SANTA CLARA	1,823,759	481.3	26.4	27.8	25.3	30.3
10	MADERA	158,253	41.7	26.3	28.4	20.4	38.4
11	YUBA	78,465	19.7	25.1 *	31.0 *	18.8	48.0
12	MARIPOSA	18,936	9.0	47.5 *	31.2 *	14.3	59.2
13	TUOLUMNE	58,435	31.3	53.6	31.2	21.3	44.2
14	SAN FRANCISCO	814,225	326.7	40.1	31.3	27.9	34.8
15	MARIN	253,517	109.3	43.1	31.4	25.4	37.3
16	INYO	19,088	11.0	57.6 *	33.0 *	16.5	59.0
17	SAN BENITO	62,436	15.7	25.1 *	33.0 *	18.8	53.9
18	SAN MATEO	734,230	280.7	38.2	33.9	29.9	37.9
19	MODOC	10,684	5.7	53.0 *	34.1 *	12.1	75.8
20	LOS ANGELES	10,449,155	3,285.7	31.4	34.2	33.0	35.4
21	MONTEREY	430,418	141.3	32.8	34.5	28.7	40.2
22	SAN DIEGO	3,169,126	1,079.3	34.1	35.5	33.4	37.7
23	SANTA BARBARA	430,756	179.3	41.6	35.7	30.4	41.0
24	AMADOR	39,867	22.3	56.0	36.4	22.9	54.9
25	NAPA	140,834	72.0	51.1	37.2	29.1	46.8
26	ORANGE	3,190,126	1,069.3	33.5	37.2	35.0	39.5
	CALIFORNIA	38,688,293	13,589.3	35.1	37.4	36.8	38.0
27	COLUSA	23,305	8.0	34.3 *	37.7 *	16.3	74.3
28	SISKIYOU	46,853	29.3	62.6	37.9	25.5	54.4
29	VENTURA	846,802	296.3	35.0	38.0	33.6	42.3
30	ALAMEDA	1,540,499	558.7	36.3	38.0	34.8	41.2
31	SIERRA	3,644	2.3	64.0 *	38.5 *	5.8	127.7
32	LAKE	66,727	39.3	58.9	38.5	27.5	52.6
33	SANTA CRUZ	266,776	88.7	33.2	39.2	31.5	48.2
34	IMPERIAL	184,704	62.0	33.6	39.3	30.1	50.4
35	MENDOCINO	92,466	44.0	47.6	39.8	28.9	53.4
36	SOLANO	436,254	154.3	35.4	39.8	33.5	46.2
37	PLACER	340,705	169.7	49.8	40.5	34.3	46.6
38	SACRAMENTO	1,437,311	554.3	38.6	40.7	37.3	44.1
39	NEVADA	101,822	60.3	59.3	41.0	31.3	52.8
40	SUTTER	100,044	40.3	40.3	41.2	29.5	56.1
41	SAN BERNARDINO	2,136,425	634.3	29.7	41.2	38.0	44.5
42	RIVERSIDE	2,178,729	801.7	36.8	41.5	38.6	44.4
43	CONTRA COSTA	1,064,755	457.0	42.9	42.0	38.1	45.9
44	STANISLAUS	549,408	203.3	37.0	43.7	37.7	49.8
45	KERN	853,225	259.3	30.4	43.7	38.4	49.1
46	SAN JOAQUIN	723,964	269.7	37.2	44.4	39.1	49.7
47	YOLO	202,673	71.3	35.2	44.6	34.9	56.2
48	DEL NORTE	30,636	14.3	46.8 *	45.0 *	24.8	75.1
49	BUTTE	226,819	133.7	58.9	45.4	37.6	53.3
50	KINGS	161,030	44.3	27.5	45.6	33.2	61.2
51	MERCED	267,699	90.7	33.9	46.5	37.5	57.2
52	SHASTA	189,109	110.3	58.3	47.2	38.4	56.1
53	SONOMA	491,415	260.0	52.9	47.5	41.6	53.4
54	TULARE	456,605	167.3	36.6	47.7	40.4	55.0
55	TEHAMA	64,632	38.3	59.3	48.2	34.2	66.1
56	FRESNO	964,755	372.0	38.6	48.9	43.9	53.9
57	SAN LUIS OBISPO	267,958	187.0	69.8	49.9	42.7	57.1
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (12-7)				50.0		
58	HUMBOLDT	134,024	82.0	61.2	57.0	45.3	70.7

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

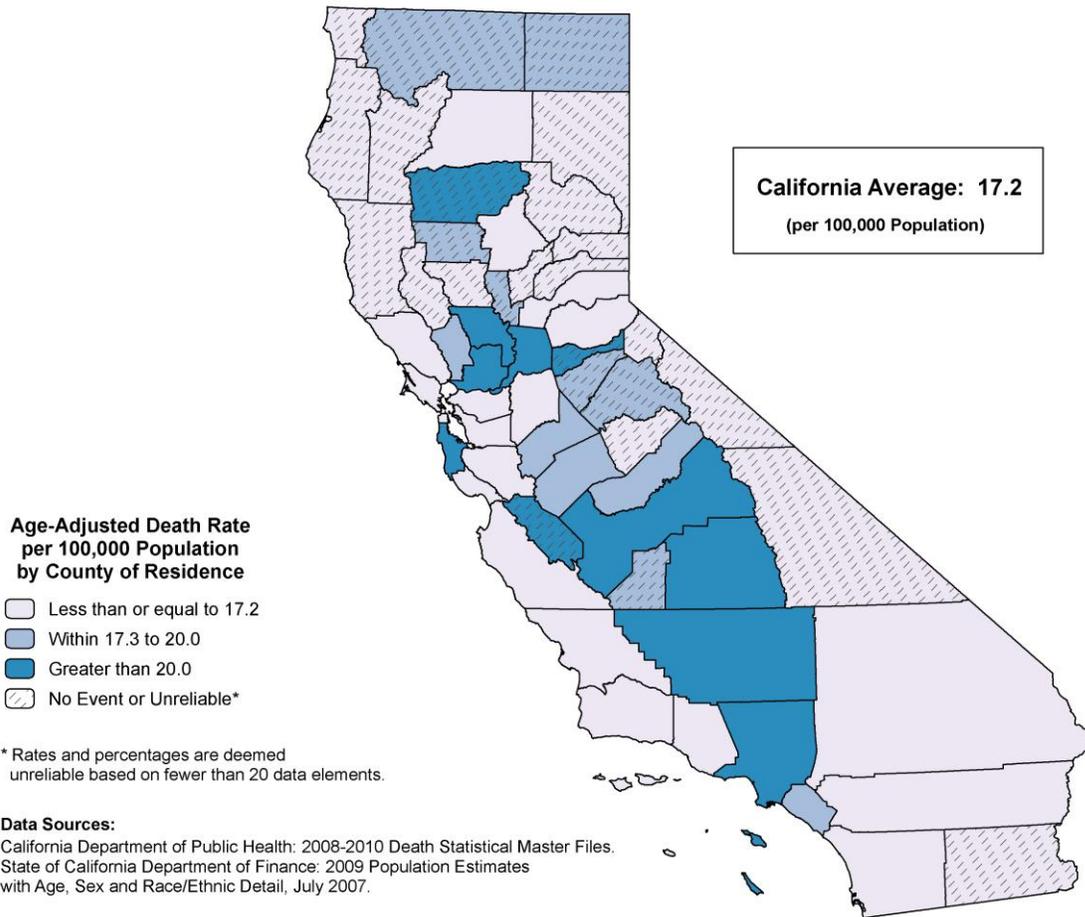
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO INFLUENZA/PNEUMONIA, 2008-2010



The crude death rate from influenza/pneumonia for California was 16.2 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 6,180 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 6,260.7 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 26.3 in Napa County to 9.1 in San Bernardino County, a factor of 2.9 to 1.

The age-adjusted death rate from influenza/pneumonia for California during the 2008 through 2010 three-year period was 17.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 25.1 in Yolo County to 9.8 in Monterey 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:						NONE	
1	SIERRA	3,644	0.0	-	-	-	-
2	ALPINE	1,358	0.0	-	-	-	-
3	MONO	14,589	0.3	2.3 *	2.1 *	0.0	28.1
4	PLUMAS	21,744	2.7	12.3 *	7.2 *	1.3	22.3
5	INYO	19,088	3.0	15.7 *	9.6 *	2.0	28.2
6	MONTEREY	430,418	40.3	9.4	9.8	7.0	13.3
7	SAN DIEGO	3,169,126	316.3	10.0	10.3	9.1	11.4
8	LASSEN	37,570	3.3	8.9 *	10.4 *	2.4	28.8
9	SAN LUIS OBISPO	267,958	38.7	14.4	10.8	7.7	14.8
10	IMPERIAL	184,704	18.3	9.9 *	11.4 *	6.8	18.0
11	VENTURA	846,802	94.0	11.1	11.9	9.6	14.5
12	SANTA BARBARA	430,756	59.3	13.8	12.0	9.1	15.4
13	SHASTA	189,109	28.3	15.0	12.0	8.0	17.3
14	SAN BERNARDINO	2,136,425	194.0	9.1	12.5	10.7	14.3
15	MARIPOSA	18,936	3.7	19.4 *	12.5 *	3.2	33.4
16	MENDOCINO	92,466	14.3	15.5 *	12.6 *	6.9	20.9
17	HUMBOLDT	134,024	19.0	14.2 *	12.6 *	7.6	19.7
18	PLACER	340,705	53.0	15.6	12.6	9.5	16.5
19	NEVADA	101,822	18.7	18.3 *	12.7 *	7.6	19.9
20	CONTRA COSTA	1,064,755	139.3	13.1	13.0	10.8	15.1
21	RIVERSIDE	2,178,729	255.0	11.7	13.1	11.5	14.7
22	SANTA CRUZ	266,776	32.3	12.1	13.2	9.1	18.6
23	SONOMA	491,415	73.7	15.0	13.3	10.4	16.6
24	EL DORADO	186,336	26.3	14.1	13.3	8.7	19.4
25	COLUSA	23,305	3.0	12.9 *	13.5 *	2.8	39.3
26	MARIN	253,517	52.3	20.6	14.7	11.0	19.3
27	TRINITY	15,005	3.3	22.2 *	14.8 *	3.4	41.2
28	SANTA CLARA	1,823,759	263.7	14.5	15.2	13.3	17.0
29	ALAMEDA	1,540,499	229.3	14.9	15.2	13.2	17.2
30	BUTTE	226,819	45.0	19.8	15.7	11.5	21.0
31	SAN JOAQUIN	723,964	96.3	13.3	15.8	12.8	19.3
32	YUBA	78,465	10.3	13.2 *	15.9 *	7.7	28.9
33	DEL NORTE	30,636	5.3	17.4 *	16.0 *	5.4	36.4
34	LAKE	66,727	16.3	24.5 *	17.0 *	9.8	27.5
35	SAN FRANCISCO	814,225	182.0	22.4	17.1	14.6	19.7
	CALIFORNIA	38,688,293	6,260.7	16.2	17.2	16.7	17.6
36	CALAVERAS	47,197	13.7	29.0 *	17.3 *	9.4	29.2
37	SUTTER	100,044	17.0	17.0 *	17.5 *	10.2	28.0
38	MERCED	267,699	35.0	13.1	17.5	12.2	24.3
39	TUOLUMNE	58,435	15.7	26.8 *	17.6 *	10.0	28.7
40	SISKIYOU	46,853	12.0	25.6 *	17.6 *	9.1	30.8
41	MODOC	10,684	3.0	28.1 *	17.7 *	3.6	51.6
42	MADERA	158,253	26.0	16.4	17.7	11.6	26.0
43	KINGS	161,030	17.0	10.6 *	17.8 *	10.4	28.6
44	ORANGE	3,190,126	528.0	16.6	18.5	16.9	20.1
45	NAPA	140,834	37.0	26.3	18.6	13.1	25.6
46	GLENN	30,411	6.0	19.7 *	18.8 *	6.9	40.9
47	STANISLAUS	549,408	94.7	17.2	20.0	16.2	24.5
48	TEHAMA	64,632	17.0	26.3 *	20.8 *	12.1	33.2
49	SACRAMENTO	1,437,311	285.3	19.9	20.8	18.4	23.3
50	SAN BENITO	62,436	9.7	15.5 *	20.8 *	9.8	38.7
51	LOS ANGELES	10,449,155	2,074.3	19.9	21.7	20.7	22.6
52	SAN MATEO	734,230	185.0	25.2	21.9	18.7	25.1
53	TULARE	456,605	79.0	17.3	22.1	17.5	27.5
54	SOLANO	436,254	85.3	19.6	22.2	17.7	27.4
55	KERN	853,225	133.7	15.7	22.3	18.5	26.2
56	AMADOR	39,867	14.3	36.0 *	23.9 *	13.2	39.8
57	FRESNO	964,755	190.0	19.7	24.4	20.9	27.9
58	YOLO	202,673	41.0	20.2	25.1	18.0	34.0

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

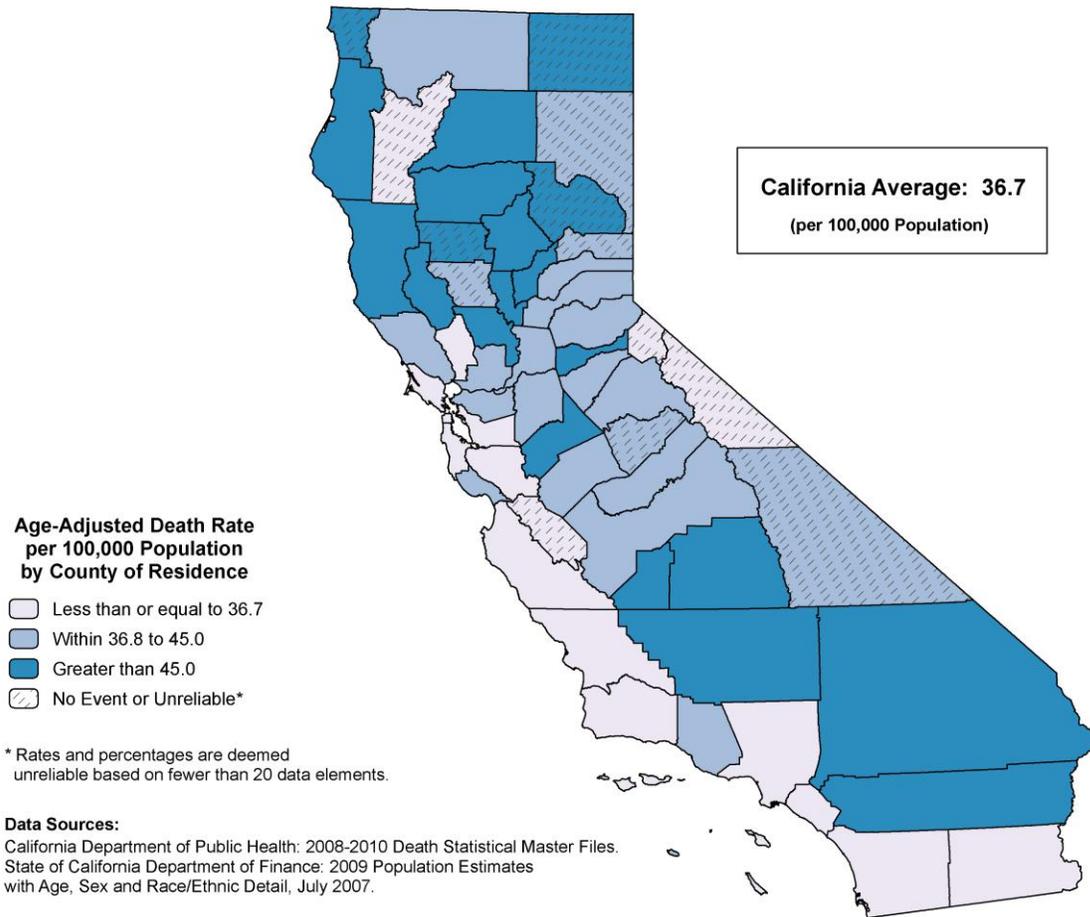
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO CHRONIC LOWER RESPIRATORY DISEASE, 2008-2010



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 2,962 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 13,059.7 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 92.0 in Shasta County to 19.3 in Imperial County, a factor of 4.8 to 1.

The age-adjusted death rate from chronic lower respiratory disease deaths for California during the 2008 through 2010 three-year period was 36.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 73.5 in Shasta County to 21.4 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 DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:						NONE	
1	ALPINE	1,358	0.0	-	-	-	-
2	MONO	14,589	0.3	2.3 *	3.8 *	0.0	49.7
3	SAN FRANCISCO	814,225	213.3	26.2	21.4	18.5	24.3
4	IMPERIAL	184,704	35.7	19.3	22.3	15.6	30.9
5	MARIN	253,517	79.7	31.4	23.5	18.6	29.3
6	SANTA CLARA	1,823,759	412.3	22.6	24.3	21.9	26.6
7	SAN MATEO	734,230	222.7	30.3	27.8	24.1	31.5
8	MONTEREY	430,418	118.3	27.5	29.6	24.3	35.0
9	ALAMEDA	1,540,499	425.3	27.6	29.7	26.9	32.6
10	SANTA BARBARA	430,756	145.7	33.8	30.5	25.5	35.5
11	LOS ANGELES	10,449,155	2,953.7	28.3	31.3	30.1	32.4
12	TRINITY	15,005	7.3	48.9 *	31.5 *	13.0	63.8
13	ORANGE	3,190,126	916.0	28.7	32.8	30.6	34.9
14	SAN BENITO	62,436	15.7	25.1 *	34.4 *	19.5	56.1
15	SAN DIEGO	3,169,126	1,019.7	32.2	34.7	32.5	36.8
16	NAPA	140,834	61.7	43.8	34.7	26.6	44.5
17	SAN LUIS OBISPO	267,958	129.7	48.4	36.3	30.0	42.6
	CALIFORNIA	38,688,293	13,059.7	33.8	36.7	36.0	37.3
18	VENTURA	846,802	285.7	33.7	37.3	32.9	41.7
19	TUOLUMNE	58,435	37.0	63.3	37.4	26.3	51.5
20	CONTRA COSTA	1,064,755	400.0	37.6	37.6	33.9	41.3
21	CALAVERAS	47,197	30.3	64.3	38.1	25.8	54.3
22	SIERRA	3,644	2.3	64.0 *	38.4 *	5.8	127.6
23	PLACER	340,705	158.3	46.5	38.7	32.6	44.7
24	SANTA CRUZ	266,776	85.3	32.0	38.7	31.0	47.9
25	MARIPOSA	18,936	12.0	63.4 *	39.0 *	20.1	68.1
26	EL DORADO	186,336	81.3	43.6	39.2	31.1	48.7
27	FRESNO	964,755	296.0	30.7	39.2	34.7	43.7
28	LASSEN	37,570	12.3	32.8 *	40.2 *	21.0	69.6
29	MADERA	158,253	61.0	38.5	41.2	31.5	52.9
30	SOLANO	436,254	158.3	36.3	41.4	34.8	47.9
31	SACRAMENTO	1,437,311	557.7	38.8	41.7	38.2	45.2
32	NEVADA	101,822	63.0	61.9	42.2	32.5	54.0
33	INYO	19,088	13.7	71.6 *	42.4 *	23.0	71.6
34	COLUSA	23,305	9.7	41.5 *	43.9 *	20.8	81.6
35	SONOMA	491,415	229.3	46.7	44.0	38.2	49.8
36	MERCED	267,699	87.0	32.5	44.9	35.9	55.3
37	SISKIYOU	46,853	32.3	69.0	45.0	30.8	63.4
38	SAN JOAQUIN	723,964	269.3	37.2	45.0	39.6	50.4
39	STANISLAUS	549,408	207.3	37.7	45.2	39.0	51.4
40	GLENN	30,411	15.3	50.4 *	45.5 *	25.7	74.7
41	TULARE	456,605	160.7	35.2	46.3	39.1	53.5
42	AMADOR	39,867	29.7	74.4	46.4	31.2	66.4
43	MENDOCINO	92,466	53.0	57.3	47.0	35.2	61.5
44	PLUMAS	21,744	17.0	78.2 *	48.0 *	27.9	76.8
45	RIVERSIDE	2,178,729	918.3	42.1	48.5	45.4	51.7
46	YOLO	202,673	78.7	38.8	48.8	38.6	60.8
47	SUTTER	100,044	49.0	49.0	50.2	37.1	66.3
48	KINGS	161,030	49.0	30.4	50.6	37.4	66.9
49	YUBA	78,465	33.3	42.5	51.7	35.7	72.5
50	DEL NORTE	30,636	17.3	56.6 *	53.0 *	31.1	84.5
51	LAKE	66,727	57.0	85.4	53.9	40.9	69.9
52	MODOC	10,684	8.7	81.1 *	54.0 *	24.3	103.8
53	SAN BERNARDINO	2,136,425	823.0	38.5	54.3	50.5	58.0
54	HUMBOLDT	134,024	85.3	63.7	59.9	47.9	74.1
55	TEHAMA	64,632	48.7	75.3	60.4	44.7	80.0
56	BUTTE	226,819	170.0	74.9	61.5	52.1	70.9
57	KERN	853,225	425.3	49.9	71.4	64.6	78.3
58	SHASTA	189,109	174.0	92.0	73.5	62.6	84.5

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

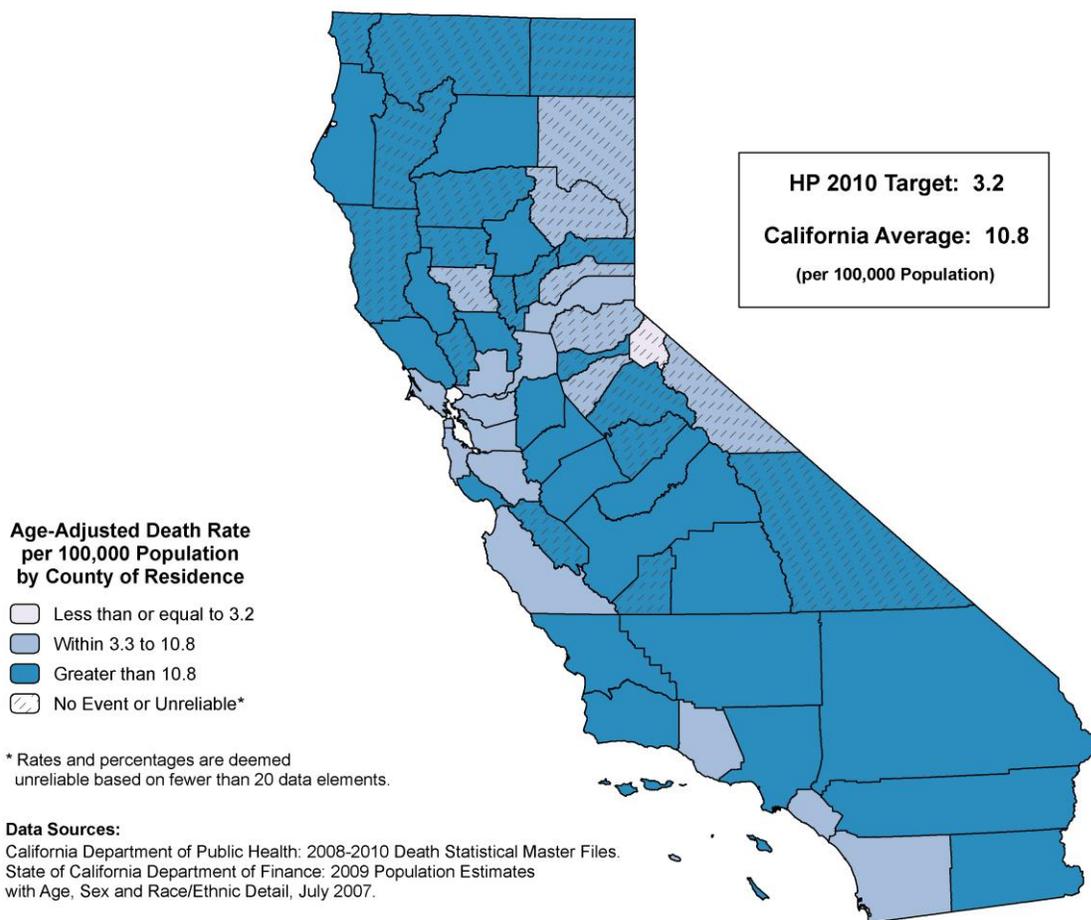
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS, 2008-2010



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 9,175 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 4,216.7 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 33.0 in Lake County to 8.9 in Alameda County and Santa Clara County, a factor of 3.7 to 1.

The age-adjusted death rate from chronic liver disease and cirrhosis for California during the 2008 through 2010 three-year period was 10.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 23.5 in Lake County to 7.8 in Marin County and San Francisco 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,358	0.0	-	-	-	-
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (26-2)					3.2		
2	MONO	14,589	0.7	4.6 *	3.4 *	0.0	25.2
3	LASSEN	37,570	2.0	5.3 *	4.7 *	0.6	17.0
4	PLUMAS	21,744	1.7	7.7 *	5.2 *	0.5	21.0
5	MARIN	253,517	27.3	10.8	7.8	5.2	11.3
6	SAN FRANCISCO	814,225	73.0	9.0	7.8	6.1	9.8
7	EL DORADO	186,336	19.3	10.4 *	8.1 *	4.9	12.6
8	PLACER	340,705	32.3	9.5	8.2	5.7	11.6
9	ALAMEDA	1,540,499	136.7	8.9	8.4	6.9	9.8
10	SANTA CLARA	1,823,759	162.7	8.9	8.4	7.1	9.7
11	COLUSA	23,305	2.0	8.6 *	8.6 *	1.0	31.0
12	CALAVERAS	47,197	6.7	14.1 *	8.8 *	3.5	18.5
13	CONTRA COSTA	1,064,755	105.0	9.9	8.9	7.2	10.6
14	ORANGE	3,190,126	293.3	9.2	9.2	8.1	10.2
15	NEVADA	101,822	13.7	13.4 *	9.2 *	5.0	15.6
16	SAN MATEO	734,230	80.3	10.9	9.6	7.6	12.0
17	SAN DIEGO	3,169,126	317.7	10.0	9.7	8.7	10.8
18	VENTURA	846,802	88.0	10.4	9.9	7.9	12.2
19	MONTEREY	430,418	41.0	9.5	10.0	7.2	13.6
20	SACRAMENTO	1,437,311	152.3	10.6	10.2	8.5	11.8
21	SOLANO	436,254	47.3	10.8	10.4	7.7	13.8
	CALIFORNIA	38,688,293	4,216.7	10.9	10.8	10.4	11.1
22	YOLO	202,673	21.0	10.4	10.9	6.7	16.6
23	RIVERSIDE	2,178,729	219.3	10.1	11.0	9.5	12.5
24	SANTA BARBARA	430,756	50.7	11.8	11.1	8.3	14.6
25	SAN LUIS OBISPO	267,958	37.0	13.8	11.3	8.0	15.6
26	LOS ANGELES	10,449,155	1,182.7	11.3	11.3	10.7	12.0
27	SAN BERNARDINO	2,136,425	212.3	9.9	11.4	9.8	12.9
28	SONOMA	491,415	64.0	13.0	11.4	8.8	14.5
29	DEL NORTE	30,636	3.7	12.0 *	11.5 *	2.9	30.7
30	NAPA	140,834	18.0	12.8 *	12.0 *	7.1	19.0
31	GLENN	30,411	4.0	13.2 *	12.7 *	3.5	32.5
32	MERCED	267,699	28.3	10.6	12.8	8.5	18.4
33	MADERA	158,253	21.7	13.7	13.2	8.3	20.1
34	STANISLAUS	549,408	66.3	12.1	13.4	10.3	17.0
35	FRESNO	964,755	113.0	11.7	13.4	10.9	15.9
36	SUTTER	100,044	12.3	12.3 *	13.4 *	7.0	23.2
37	MARIPOSA	18,936	4.0	21.1 *	13.6 *	3.7	34.7
38	IMPERIAL	184,704	23.7	12.8	13.6	8.7	20.3
39	SAN BENITO	62,436	8.0	12.8 *	13.7 *	5.9	27.0
40	KERN	853,225	99.7	11.7	13.8	11.2	16.7
41	MENDOCINO	92,466	15.3	16.6 *	13.8 *	7.8	22.6
42	SHASTA	189,109	32.0	16.9	13.8	9.4	19.4
43	BUTTE	226,819	33.7	14.8	14.0	9.7	19.6
44	KINGS	161,030	17.7	11.0 *	14.4 *	8.5	22.9
45	TUOLUMNE	58,435	12.0	20.5 *	14.4 *	7.5	25.2
46	SANTA CRUZ	266,776	41.7	15.6	14.6	10.5	19.7
47	TEHAMA	64,632	11.0	17.0 *	15.1 *	7.6	27.1
48	TULARE	456,605	59.7	13.1	15.6	11.9	20.0
49	AMADOR	39,867	9.0	22.6 *	16.2 *	7.4	30.8
50	HUMBOLDT	134,024	24.3	18.2	16.7	10.7	24.8
51	SAN JOAQUIN	723,964	107.3	14.8	16.8	13.6	20.0
52	YUBA	78,465	12.0	15.3 *	16.9 *	8.8	29.6
53	TRINITY	15,005	3.3	22.2 *	18.7 *	4.3	51.8
54	MODOC	10,684	2.7	25.0 *	20.0 *	3.6	61.8
55	SIERRA	3,644	0.7	18.3 *	21.2 *	0.1	158.2
56	SISKIYOU	46,853	13.7	29.2 *	21.7 *	11.8	36.7
57	INYO	19,088	6.0	31.4 *	21.9 *	8.0	47.6
58	LAKE	66,727	22.0	33.0	23.5	14.7	35.6

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

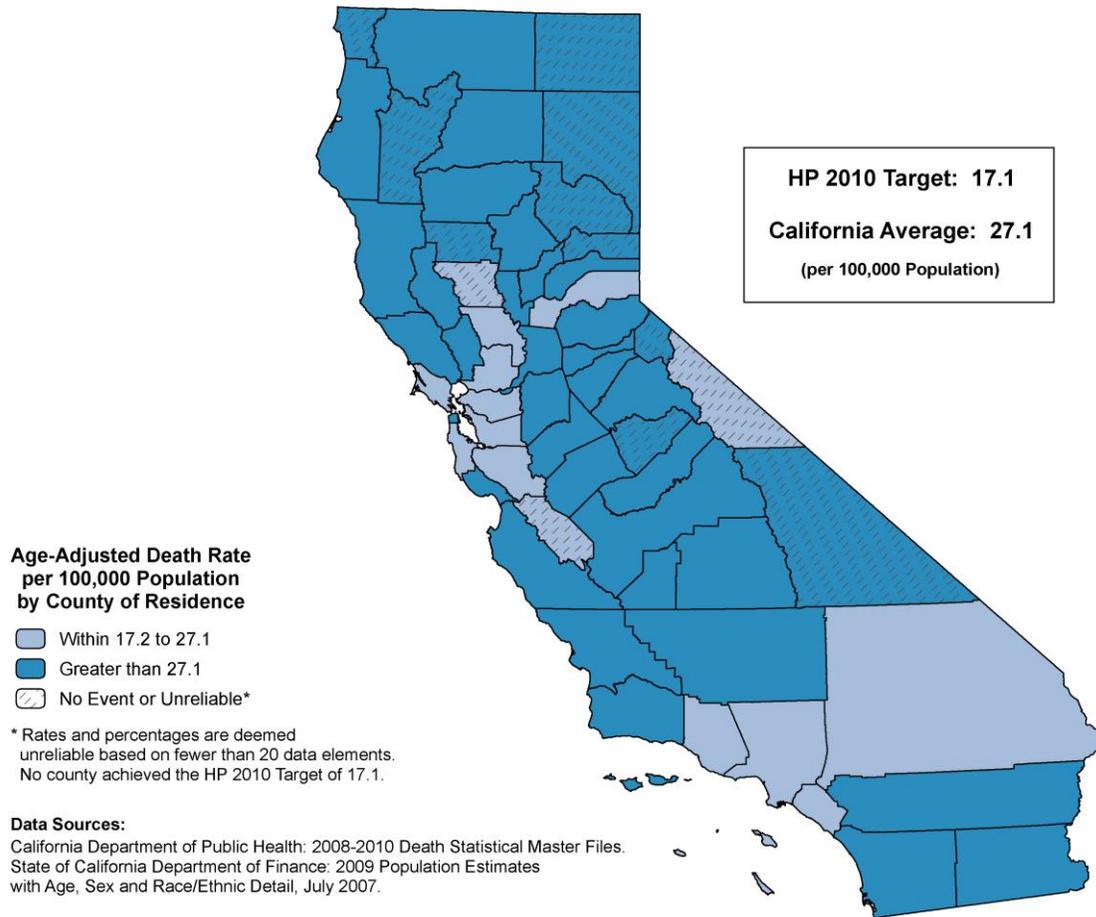
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES), 2008-2010



The crude death rate from accidents (unintentional injuries) for California was 27.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 3,698 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 10,461.0 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 81.4 in Lake County to 19.6 in Los Angeles County, a factor of 4.2 to 1.

The age-adjusted death rate from accidents for California during the 2008 through 2010 three-year period was 27.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 69.2 in Lake County to 19.8 in Los Angeles County.

No county 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. 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-13)						17.1	
1	MONO	14,589	3.0	20.6 *	19.1 *	3.9	55.7
2	LOS ANGELES	10,449,155	2,043.7	19.6	19.8	18.9	20.7
3	SAN MATEO	734,230	167.0	22.7	20.9	17.7	24.2
4	ORANGE	3,190,126	684.0	21.4	21.6	19.9	23.2
5	ALAMEDA	1,540,499	344.7	22.4	21.8	19.5	24.1
6	SANTA CLARA	1,823,759	407.3	22.3	22.5	20.3	24.7
7	MARIN	253,517	68.3	27.0	23.4	18.2	29.6
8	SAN BENITO	62,436	13.0	20.8 *	23.6 *	12.6	40.4
9	COLUSA	23,305	6.0	25.7 *	24.3 *	8.9	52.8
10	SAN BERNARDINO	2,136,425	487.0	22.8	24.7	22.4	26.9
11	CONTRA COSTA	1,064,755	280.7	26.4	25.6	22.6	28.7
12	PLACER	340,705	92.0	27.0	25.9	20.8	31.7
13	YOLO	202,673	49.3	24.3	26.3	19.4	34.7
14	SOLANO	436,254	112.3	25.7	26.3	21.4	31.3
15	VENTURA	846,802	222.7	26.3	26.7	23.1	30.2
	CALIFORNIA	38,688,293	10,461.0	27.0	27.1	26.6	27.6
16	IMPERIAL	184,704	52.0	28.2	27.9	20.7	36.8
17	MONTEREY	430,418	118.3	27.5	28.5	23.3	33.7
18	NAPA	140,834	45.7	32.4	29.0	21.2	38.7
19	SAN DIEGO	3,169,126	934.7	29.5	29.2	27.3	31.1
20	SANTA BARBARA	430,756	135.0	31.3	30.0	24.9	35.1
21	SONOMA	491,415	159.3	32.4	31.1	26.1	36.1
22	SANTA CRUZ	266,776	86.0	32.2	31.6	25.3	39.0
23	RIVERSIDE	2,178,729	660.7	30.3	31.6	29.2	34.0
24	INYO	19,088	7.3	38.4 *	32.3 *	13.3	65.4
25	SAN FRANCISCO	814,225	309.0	38.0	32.7	28.9	36.5
26	SAN LUIS OBISPO	267,958	96.7	36.1	32.8	26.6	40.0
27	SACRAMENTO	1,437,311	488.3	34.0	34.1	31.0	37.2
28	NEVADA	101,822	39.7	39.0	34.4	24.5	46.9
29	STANISLAUS	549,408	181.3	33.0	35.3	30.1	40.5
30	TULARE	456,605	150.0	32.9	36.1	30.1	42.0
31	KINGS	161,030	52.7	32.7	37.8	28.3	49.5
32	MADERA	158,253	59.0	37.3	38.1	29.0	49.1
33	EL DORADO	186,336	74.3	39.9	38.2	30.1	48.0
34	FRESNO	964,755	344.0	35.7	38.6	34.4	42.7
35	SIERRA	3,644	1.3	36.6 *	39.6 *	2.2	182.6
36	SUTTER	100,044	37.3	37.3	39.7	27.9	54.7
37	MERCED	267,699	96.0	35.9	40.4	32.7	49.4
38	MARIPOSA	18,936	10.0	52.8 *	41.0 *	19.7	75.4
39	SAN JOAQUIN	723,964	276.3	38.2	41.8	36.8	46.8
40	KERN	853,225	326.7	38.3	41.9	37.2	46.5
41	LASSEN	37,570	17.0	45.2 *	42.6 *	24.8	68.2
42	ALPINE	1,358	0.3	24.5 *	46.7 *	0.0	611.0
43	PLUMAS	21,744	11.0	50.6 *	46.9 *	23.4	84.0
44	TEHAMA	64,632	34.3	53.1	49.9	34.6	69.6
45	CALAVERAS	47,197	26.3	55.8	49.9	32.7	73.0
46	GLENN	30,411	16.0	52.6 *	53.3 *	30.5	86.6
47	TUOLUMNE	58,435	37.7	64.5	53.5	37.8	73.6
48	MENDOCINO	92,466	53.0	57.3	53.6	40.2	70.1
49	YUBA	78,465	39.3	50.1	54.3	38.7	74.1
50	AMADOR	39,867	25.3	63.5	57.8	37.5	85.1
51	BUTTE	226,819	141.0	62.2	58.7	48.7	68.7
52	SHASTA	189,109	120.0	63.5	59.9	48.8	71.1
53	SISKIYOU	46,853	34.3	73.3	61.1	42.4	85.2
54	TRINITY	15,005	10.7	71.1 *	61.9 *	30.5	111.7
55	DEL NORTE	30,636	19.7	64.2 *	62.9 *	38.2	97.5
56	HUMBOLDT	134,024	91.0	67.9	66.1	53.2	81.2
57	MODOC	10,684	7.0	65.5 *	67.6 *	27.2	139.3
58	LAKE	66,727	54.3	81.4	69.2	52.0	90.2

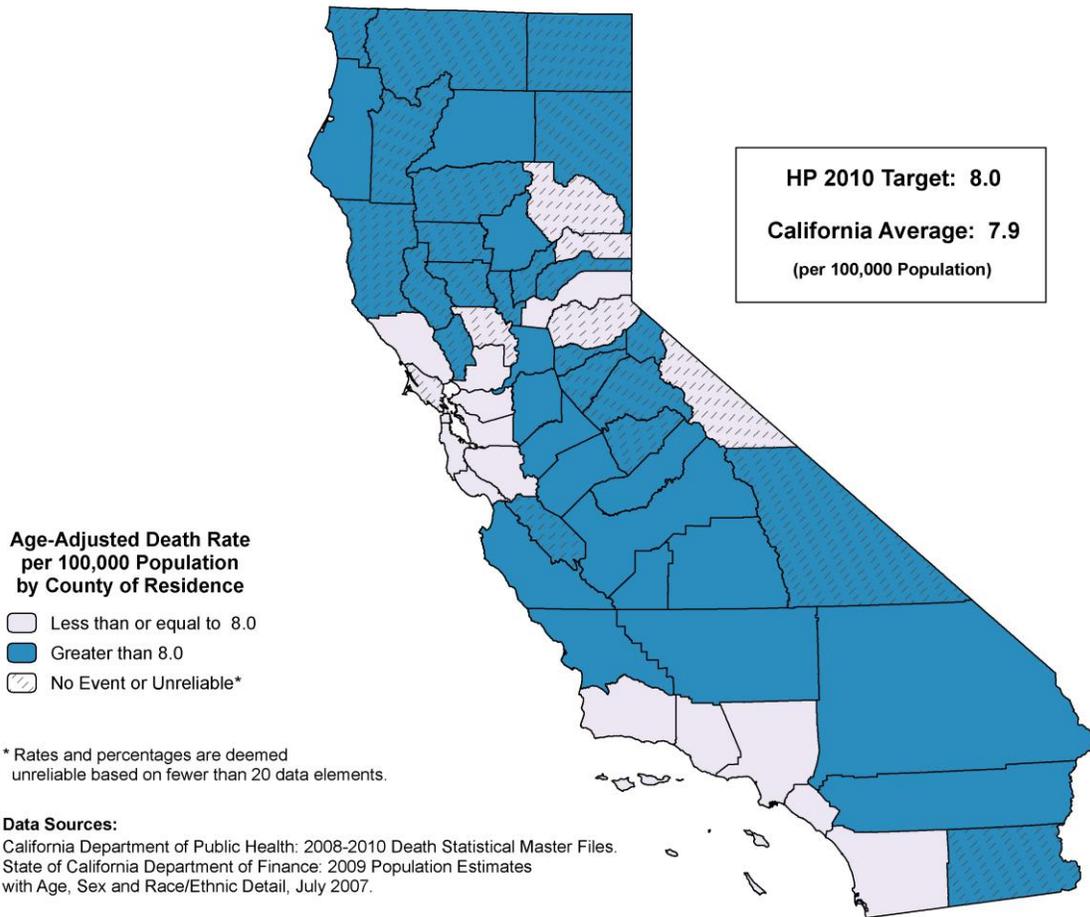
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Sources: California Department of Public Health: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO MOTOR VEHICLE TRAFFIC CRASHES, 2008-2010



The crude death rate from motor vehicle traffic crashes for California was 7.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 12,661 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 3,055.7 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 19.2 in Madera County to 4.1 in San Francisco County, a factor of 4.7 to 1.

The age-adjusted death rate from motor vehicle traffic crashes for California during the 2008 through 2010 three-year period was 7.9 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 19.8 in Madera County to 3.9 in San Francisco County.

Fourteen 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 met the objective. The statewide age-adjusted death rate for motor vehicle traffic deaths met the national objective.

**TABLE 15
DEATHS DUE TO MOTOR VEHICLE TRAFFIC CRASHES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS		
						LOWER	UPPER	
1	MARIN	253,517	9.0	3.6 *	3.8 *	1.7	7.1	
2	SAN FRANCISCO	814,225	33.3	4.1	3.9	2.7	5.4	
3	SIERRA	3,644	0.3	9.1 *	4.5 *	0.0	58.8	
4	SAN MATEO	734,230	34.3	4.7	4.6	3.2	6.5	
5	ORANGE	3,190,126	158.7	5.0	4.9	4.1	5.7	
6	ALAMEDA	1,540,499	77.3	5.0	5.0	4.0	6.3	
7	SANTA CLARA	1,823,759	101.7	5.6	5.7	4.6	6.8	
8	PLACER	340,705	21.3	6.3	6.4	4.0	9.7	
9	LOS ANGELES	10,449,155	680.0	6.5	6.5	6.0	7.0	
10	CONTRA COSTA	1,064,755	70.3	6.6	6.6	5.2	8.4	
11	MONO	14,589	1.0	6.9 *	7.0 *	0.2	39.1	
12	YOLO	202,673	14.7	7.2 *	7.1 *	3.9	11.8	
13	SOLANO	436,254	32.0	7.3	7.2	4.9	10.1	
14	SAN DIEGO	3,169,126	232.0	7.3	7.3	6.3	8.2	
15	VENTURA	846,802	63.3	7.5	7.4	5.7	9.5	
16	EL DORADO	186,336	13.3	7.2 *	7.4 *	4.0	12.7	
17	SANTA BARBARA	430,756	33.0	7.7	7.5	5.1	10.5	
18	PLUMAS	21,744	2.3	10.7 *	7.8 *	1.2	25.8	
19	SONOMA	491,415	37.3	7.6	7.8	5.5	10.7	
20	SANTA CRUZ	266,776	21.7	8.1	7.8	4.9	11.9	
	CALIFORNIA	38,688,293	3,055.7	7.9	7.9	7.6	8.1	
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-15a)					8.0		
21	MONTEREY	430,418	34.0	7.9	8.1	5.6	11.3	
22	SAN BENITO	62,436	4.7	7.5 *	8.2 *	2.5	19.6	
23	SAN LUIS OBISPO	267,958	25.3	9.5	8.4	5.5	12.4	
24	SACRAMENTO	1,437,311	122.7	8.5	8.6	7.0	10.1	
25	INYO	19,088	2.0	10.5 *	8.9 *	1.1	32.1	
26	NAPA	140,834	13.3	9.5 *	9.2 *	5.0	15.7	
27	COLUSA	23,305	2.3	10.0 *	9.4 *	1.4	31.3	
28	STANISLAUS	549,408	52.7	9.6	9.8	7.3	12.9	
29	SAN BERNARDINO	2,136,425	213.7	10.0	10.1	8.7	11.5	
30	RIVERSIDE	2,178,729	223.0	10.2	10.2	8.8	11.5	
31	MODOC	10,684	1.7	15.6 *	10.2 *	0.9	41.0	
32	IMPERIAL	184,704	19.0	10.3 *	10.2 *	6.2	16.0	
33	LASSEN	37,570	4.7	12.4 *	11.3 *	3.5	27.2	
34	NEVADA	101,822	13.0	12.8 *	11.3 *	6.0	19.4	
35	TUOLUMNE	58,435	8.0	13.7 *	11.5 *	5.0	22.7	
36	TRINITY	15,005	1.7	11.1 *	11.7 *	1.0	47.1	
37	SAN JOAQUIN	723,964	81.7	11.3	11.8	9.4	14.6	
38	SHASTA	189,109	25.3	13.4	12.5	8.1	18.5	
39	FRESNO	964,755	126.0	13.1	13.3	11.0	15.7	
40	MERCED	267,699	34.3	12.8	13.4	9.3	18.7	
41	YUBA	78,465	11.0	14.0 *	14.3 *	7.1	25.6	
42	HUMBOLDT	134,024	20.0	14.9	14.5	8.9	22.4	
43	BUTTE	226,819	34.7	15.3	14.6	10.1	20.3	
44	TULARE	456,605	65.7	14.4	14.8	11.4	18.8	
45	KERN	853,225	120.3	14.1	14.8	12.1	17.5	
46	GLENN	30,411	4.7	15.3 *	16.3 *	5.0	39.0	
47	DEL NORTE	30,636	5.7	18.5 *	16.8 *	5.9	37.3	
48	AMADOR	39,867	6.7	16.7 *	16.8 *	6.6	35.2	
49	KINGS	161,030	25.7	15.9	16.9	11.0	24.9	
50	SISKIYOU	46,853	9.0	19.2 *	17.0 *	7.8	32.3	
51	LAKE	66,727	13.7	20.5 *	18.4 *	10.0	31.1	
52	TEHAMA	64,632	12.0	18.6 *	18.5 *	9.6	32.3	
53	SUTTER	100,044	17.3	17.3 *	18.5 *	10.8	29.5	
54	MENDOCINO	92,466	17.0	18.4 *	18.5 *	10.8	29.6	
55	MADERA	158,253	30.3	19.2	19.8	13.4	28.2	
56	MARIPOSA	18,936	4.7	24.6 *	20.8 *	6.4	50.0	
57	CALAVERAS	47,197	11.0	23.3 *	24.2 *	12.1	43.2	
58	ALPINE	1,358	0.3	24.5 *	46.7 *	0.0	611.0	

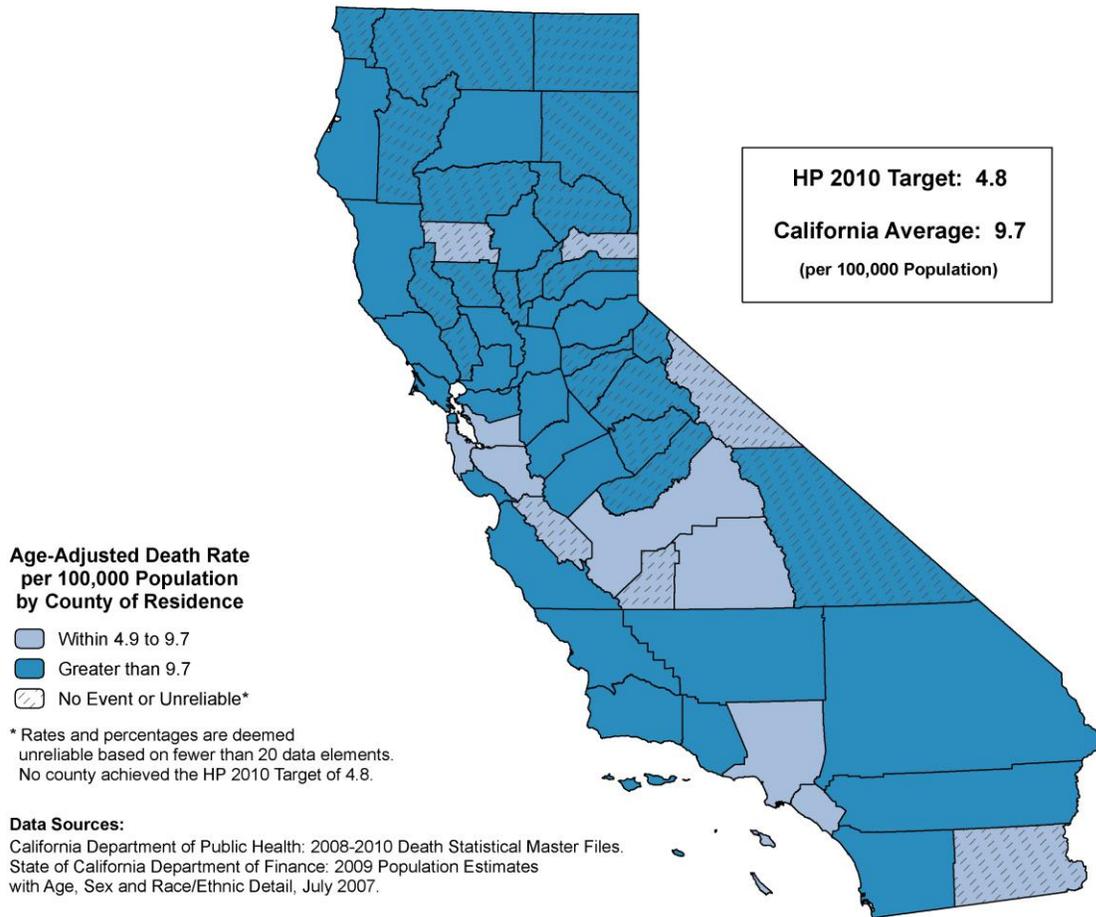
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Sources: California Department of Public Health: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO SUICIDE, 2008-2010



The crude death rate from suicide for California was 9.8 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 10,249 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 3,774.7 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 25.6 in Humboldt County to 6.7 in Fresno County, a factor of 3.8 to 1.

The age-adjusted death rate from suicide for California during the 2008 through 2010 three-year period was 9.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 23.9 in Humboldt County to 7.2 in Fresno 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (18-1)					4.8		
1	IMPERIAL	184,704	8.7	4.7 *	4.9 *	2.2	9.5
2	MONO	14,589	1.0	6.9 *	6.7 *	0.2	37.4
3	KINGS	161,030	10.7	6.6 *	6.8 *	3.3	12.2
4	FRESNO	964,755	65.0	6.7	7.2	5.6	9.2
5	LOS ANGELES	10,449,155	790.3	7.6	7.6	7.0	8.1
6	SANTA CLARA	1,823,759	151.3	8.3	8.1	6.8	9.4
7	SAN BENITO	62,436	4.3	6.9 *	8.4 *	2.4	20.8
8	ORANGE	3,190,126	271.0	8.5	8.4	7.4	9.5
9	SIERRA	3,644	0.3	9.1 *	8.5 *	0.0	110.7
10	SAN MATEO	734,230	68.0	9.3	8.7	6.8	11.0
11	ALAMEDA	1,540,499	139.0	9.0	8.7	7.3	10.2
12	TULARE	456,605	38.7	8.5	9.4	6.7	12.9
13	GLENN	30,411	3.0	9.9 *	9.7 *	2.0	28.3
	CALIFORNIA	38,688,293	3,774.7	9.8	9.7	9.4	10.0
14	MONTEREY	430,418	41.0	9.5	9.8	7.0	13.3
15	RIVERSIDE	2,178,729	204.0	9.4	9.8	8.5	11.2
16	SAN FRANCISCO	814,225	90.3	11.1	9.8	7.9	12.1
17	MADERA	158,253	15.0	9.5 *	10.0 *	5.6	16.5
18	YOLO	202,673	20.7	10.2	10.2	6.3	15.6
19	SAN JOAQUIN	723,964	65.3	9.0	10.3	7.9	13.1
20	SANTA BARBARA	430,756	46.0	10.7	10.3	7.6	13.8
21	MERCED	267,699	24.3	9.1	10.3	6.7	15.4
22	VENTURA	846,802	89.3	10.5	10.4	8.4	12.8
23	SOLANO	436,254	46.3	10.6	10.6	7.8	14.1
24	KERN	853,225	82.3	9.6	10.7	8.5	13.2
25	SAN BERNARDINO	2,136,425	216.7	10.1	10.7	9.3	12.2
26	CONTRA COSTA	1,064,755	118.7	11.1	10.8	8.8	12.8
27	LASSEN	37,570	4.7	12.4 *	10.9 *	3.2	27.0
28	STANISLAUS	549,408	54.7	10.0	10.9	8.2	14.2
29	NAPA	140,834	15.7	11.1 *	11.0 *	6.2	17.9
30	SAN DIEGO	3,169,126	358.7	11.3	11.1	9.9	12.2
31	COLUSA	23,305	2.7	11.4 *	11.9 *	2.1	36.7
32	ALPINE	1,358	0.3	24.5 *	12.0 *	0.0	157.2
33	SACRAMENTO	1,437,311	178.0	12.4	12.3	10.4	14.1
34	SANTA CRUZ	266,776	35.0	13.1	12.7	8.8	17.6
35	PLUMAS	21,744	4.0	18.4 *	12.8 *	3.5	32.8
36	MODOC	10,684	1.7	15.6 *	12.9 *	1.1	51.7
37	YUBA	78,465	10.0	12.7 *	13.3 *	6.4	24.4
38	MARIN	253,517	39.7	15.6	13.5	9.6	18.4
39	SONOMA	491,415	71.7	14.6	14.0	11.0	17.7
40	SUTTER	100,044	13.7	13.7 *	14.3 *	7.8	24.2
41	TEHAMA	64,632	10.0	15.5 *	14.5 *	7.0	26.7
42	PLACER	340,705	52.0	15.3	14.8	11.1	19.4
43	SAN LUIS OBISPO	267,958	44.0	16.4	15.0	10.9	20.1
44	EL DORADO	186,336	31.3	16.8	15.3	10.4	21.6
45	NEVADA	101,822	17.3	17.0 *	15.8 *	9.2	25.1
46	CALAVERAS	47,197	9.0	19.1 *	17.7 *	8.1	33.6
47	TUOLUMNE	58,435	11.7	20.0 *	18.0 *	9.2	31.8
48	SISKIYOU	46,853	9.3	19.9 *	18.3 *	8.5	34.4
49	BUTTE	226,819	44.0	19.4	18.4	13.4	24.8
50	SHASTA	189,109	37.0	19.6	18.7	13.1	25.7
51	DEL NORTE	30,636	5.7	18.5 *	18.9 *	6.7	42.1
52	AMADOR	39,867	10.0	25.1 *	21.5 *	10.3	39.6
53	INYO	19,088	4.0	21.0 *	22.0 *	6.0	56.2
54	MENDOCINO	92,466	23.3	25.2	23.2	14.8	34.7
55	HUMBOLDT	134,024	34.3	25.6	23.9	16.6	33.3
56	MARIPOSA	18,936	6.0	31.7 *	25.9 *	9.5	56.3
57	LAKE	66,727	19.3	29.0 *	27.9 *	16.9	43.4
58	TRINITY	15,005	4.7	31.1 *	29.2 *	9.0	70.0

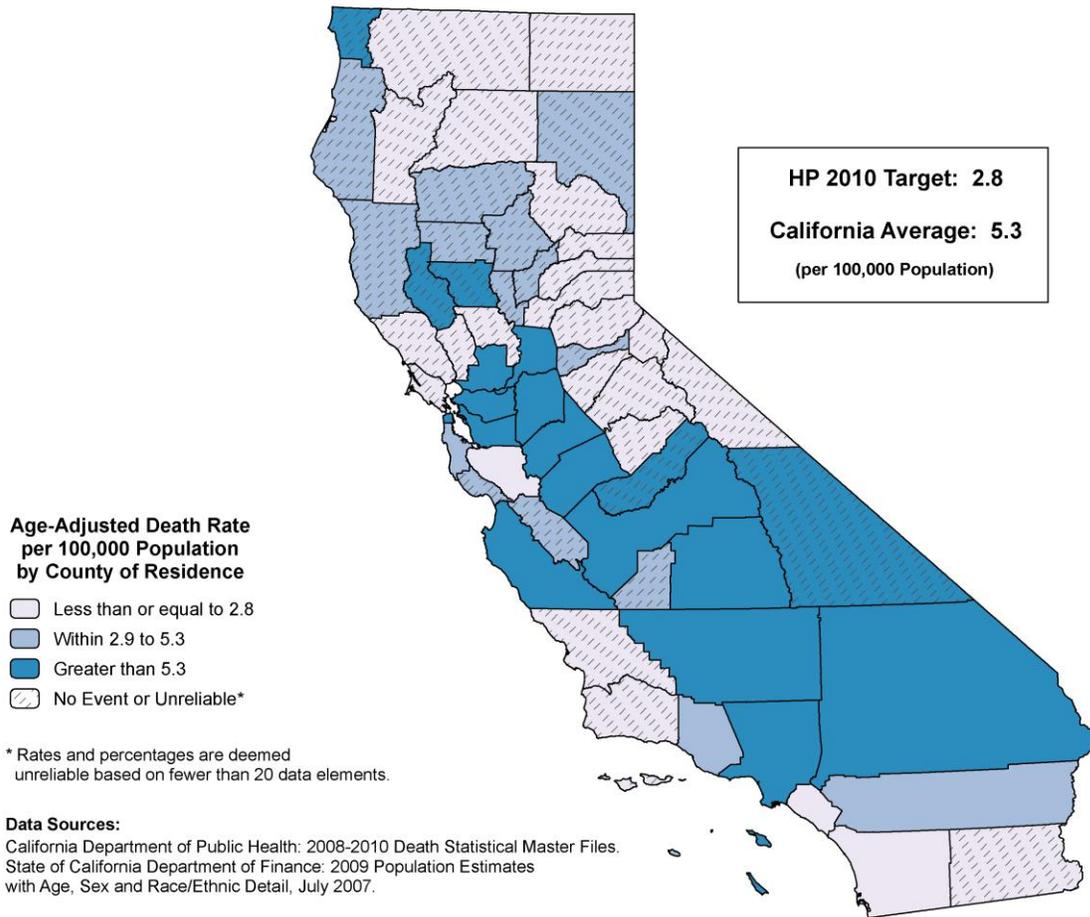
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Sources: California Department of Public Health: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO HOMICIDE, 2008-2010



The crude death rate from homicide for California was 5.4 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 18,478 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 2,093.7 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 10.5 in Monterey County to 2.3 in Orange County, a factor of 4.7 to 1.

The age-adjusted death rate from homicide for California during the 2008 through 2010 three-year period was 5.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 10.0 in Monterey County to 2.2 in Orange County.

Three counties with reliable age-adjusted death rates 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 seventeen 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	TRINITY	15,005	0.0	-	-	-	-
2	MONO	14,589	0.0	-	-	-	-
3	SIERRA	3,644	0.0	-	-	-	-
4	ALPINE	1,358	0.0	-	-	-	-
5	NAPA	140,834	1.0	0.7 *	0.7 *	0.0	4.1
6	MARIPOSA	18,936	0.3	1.8 *	0.9 *	0.0	12.2
7	PLUMAS	21,744	0.3	1.5 *	1.5 *	0.0	19.4
8	PLACER	340,705	5.0	1.5 *	1.5 *	0.5	3.5
9	TUOLUMNE	58,435	1.0	1.7 *	1.8 *	0.0	10.0
10	NEVADA	101,822	1.7	1.6 *	1.8 *	0.2	7.4
11	SAN LUIS OBISPO	267,958	5.3	2.0 *	1.9 *	0.6	4.2
12	YOLO	202,673	4.3	2.1 *	2.1 *	0.6	5.1
13	SHASTA	189,109	3.7	1.9 *	2.1 *	0.5	5.6
14	ORANGE	3,190,126	72.0	2.3	2.2	1.7	2.8
15	CALAVERAS	47,197	1.3	2.8 *	2.3 *	0.1	10.4
16	SONOMA	491,415	11.3	2.3 *	2.4 *	1.2	4.3
17	SANTA CLARA	1,823,759	43.7	2.4	2.5	1.8	3.3
18	IMPERIAL	184,704	5.0	2.7 *	2.6 *	0.8	6.0
19	SANTA BARBARA	430,756	11.0	2.6 *	2.6 *	1.3	4.6
20	SISKIYOU	46,853	1.3	2.8 *	2.7 *	0.1	12.2
21	SAN DIEGO	3,169,126	86.7	2.7	2.7	2.2	3.3
22	MODOC	10,684	0.3	3.1 *	2.8 *	0.0	36.1
23	EL DORADO	186,336	4.7	2.5 *	2.8 *	0.9	6.7
24	MARIN	253,517	6.7	2.6 *	2.8 *	1.1	6.0
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-32)					2.8		
25	GLENN	30,411	1.0	3.3 *	3.0 *	0.1	16.6
26	VENTURA	846,802	26.0	3.1	3.0	2.0	4.5
27	AMADOR	39,867	1.3	3.3 *	3.1 *	0.2	14.3
28	SANTA CRUZ	266,776	9.0	3.4 *	3.2 *	1.5	6.1
29	SAN MATEO	734,230	22.0	3.0	3.3	2.0	4.9
30	LASSEN	37,570	1.3	3.5 *	3.3 *	0.2	15.0
31	KINGS	161,030	6.7	4.1 *	3.9 *	1.5	8.2
32	YUBA	78,465	3.3	4.2 *	3.9 *	0.9	10.8
33	BUTTE	226,819	9.0	4.0 *	4.1 *	1.9	7.8
34	SAN BENITO	62,436	2.3	3.7 *	4.1 *	0.6	13.7
35	RIVERSIDE	2,178,729	96.3	4.4	4.3	3.5	5.2
36	TEHAMA	64,632	3.3	5.2 *	5.0 *	1.1	13.8
37	SUTTER	100,044	5.0	5.0 *	5.1 *	1.7	11.9
38	HUMBOLDT	134,024	7.0	5.2 *	5.1 *	2.1	10.6
39	MENDOCINO	92,466	4.7	5.0 *	5.2 *	1.6	12.4
	CALIFORNIA	38,688,293	2,093.7	5.4	5.3	5.1	5.5
40	COLUSA	23,305	1.3	5.7 *	5.6 *	0.3	25.6
41	SAN BERNARDINO	2,136,425	129.7	6.1	5.8	4.8	6.8
42	SACRAMENTO	1,437,311	85.0	5.9	5.9	4.7	7.3
43	STANISLAUS	549,408	32.7	5.9	6.2	4.2	8.7
44	INYO	19,088	1.3	7.0 *	6.3 *	0.3	28.9
45	MADERA	158,253	10.0	6.3 *	6.5 *	3.1	11.9
46	FRESNO	964,755	70.0	7.3	6.8	5.3	8.6
47	LOS ANGELES	10,449,155	737.0	7.1	6.9	6.4	7.4
48	SOLANO	436,254	32.3	7.4	7.2	4.9	10.2
49	LAKE	66,727	4.0	6.0 *	7.5 *	2.0	19.1
50	SAN FRANCISCO	814,225	54.3	6.7	7.7	5.8	10.0
51	TULARE	456,605	37.7	8.2	7.8	5.5	10.7
52	DEL NORTE	30,636	2.7	8.7 *	7.8 *	1.4	24.3
53	SAN JOAQUIN	723,964	57.0	7.9	8.0	6.0	10.3
54	CONTRA COSTA	1,064,755	88.7	8.3	8.5	6.8	10.5
55	MERCED	267,699	23.3	8.7	8.5	5.4	12.7
56	KERN	853,225	76.3	8.9	8.6	6.8	10.7
57	ALAMEDA	1,540,499	140.0	9.1	9.1	7.6	10.6
58	MONTEREY	430,418	45.3	10.5	10.0	7.3	13.4

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

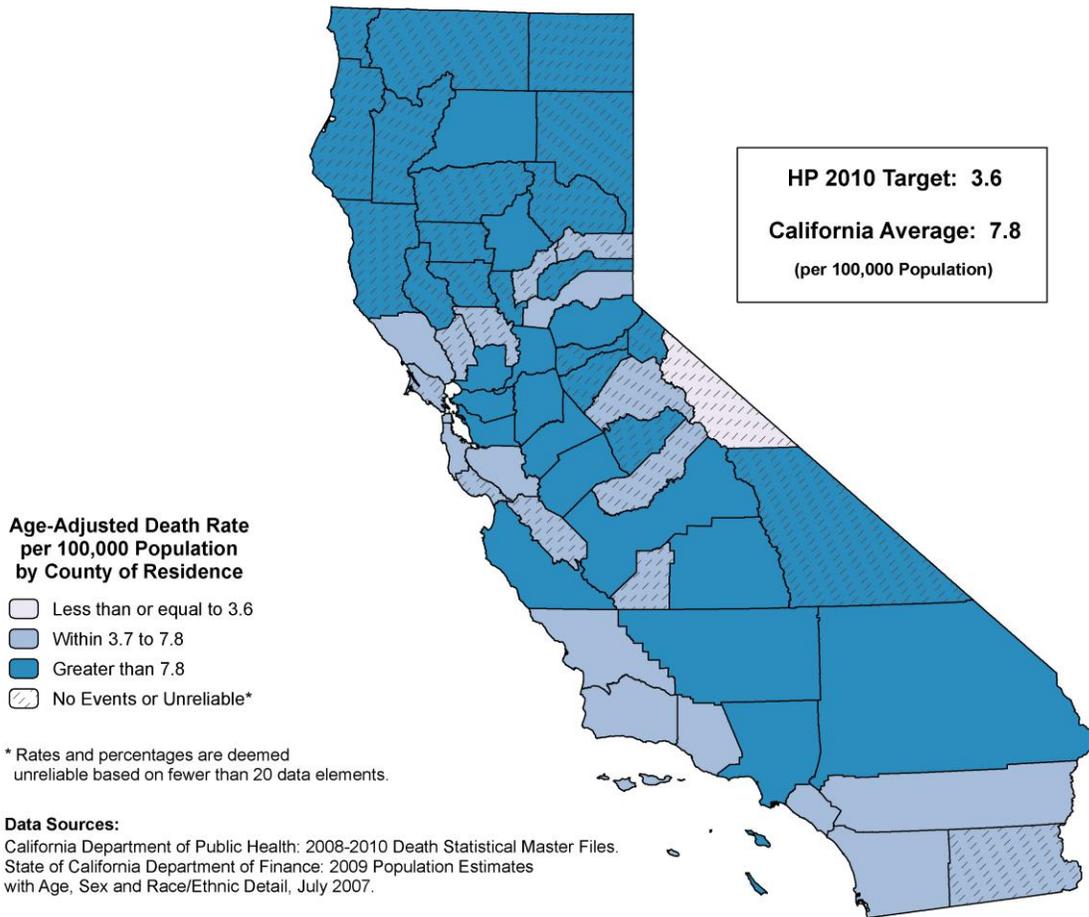
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

FIREARM-RELATED DEATHS, 2008-2010



The crude death rate from firearm-related injuries for California was 7.8 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 12,770 persons. This rate was based on the 2008 through 2010 three-year average number of deaths equaling 3,029.7 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 12.3 in Shasta County to 4.1 in Santa Clara County, a factor of 3.0 to 1.

The age-adjusted death rate from firearm-related injuries for California during the 2008 through 2010 three-year period was 7.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 11.6 in Contra Costa County to 4.1 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,589	0.3	2.3 *	2.7 *	0.0	35.6
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-3)						3.6	
2	SANTA CLARA	1,823,759	74.7	4.1	4.1	3.2	5.2
3	KINGS	161,030	6.7	4.1 *	4.2 *	1.6	8.7
4	IMPERIAL	184,704	7.7	4.2 *	4.3 *	1.8	8.7
5	YOLO	202,673	9.0	4.4 *	4.4 *	2.0	8.4
6	ORANGE	3,190,126	142.0	4.5	4.5	3.7	5.2
7	SANTA BARBARA	430,756	20.3	4.7	4.6	2.9	7.2
8	NAPA	140,834	7.3	5.2 *	4.9 *	2.0	9.9
9	SIERRA	3,644	0.3	9.1 *	4.9 *	0.0	64.1
10	VENTURA	846,802	47.3	5.6	5.5	4.0	7.3
11	SAN DIEGO	3,169,126	185.3	5.8	5.7	4.9	6.6
12	MARIN	253,517	16.0	6.3 *	5.7 *	3.3	9.3
13	SAN MATEO	734,230	42.3	5.8	5.9	4.2	7.9
14	SANTA CRUZ	266,776	18.0	6.7 *	6.5 *	3.9	10.3
15	TUOLUMNE	58,435	5.3	9.1 *	7.3 *	2.5	16.5
16	SONOMA	491,415	36.7	7.5	7.3	5.2	10.1
17	RIVERSIDE	2,178,729	156.3	7.2	7.4	6.2	8.5
18	SAN LUIS OBISPO	267,958	22.7	8.5	7.4	4.7	11.2
19	YUBA	78,465	6.0	7.6 *	7.5 *	2.8	16.4
20	PLACER	340,705	27.3	8.0	7.6	5.0	11.1
21	SAN BENITO	62,436	4.0	6.4 *	7.7 *	2.1	19.8
22	MADERA	158,253	12.0	7.6 *	7.8 *	4.0	13.6
23	SAN FRANCISCO	814,225	54.7	6.7	7.8	5.9	10.2
	CALIFORNIA	38,688,293	3,029.7	7.8	7.8	7.5	8.0
24	LOS ANGELES	10,449,155	866.7	8.3	8.2	7.7	8.8
25	FRESNO	964,755	82.3	8.5	8.4	6.6	10.4
26	NEVADA	101,822	8.7	8.5 *	8.5 *	3.8	16.4
27	SAN BERNARDINO	2,136,425	189.0	8.8	8.9	7.6	10.3
28	SACRAMENTO	1,437,311	130.7	9.1	9.0	7.4	10.5
29	PLUMAS	21,744	2.7	12.3 *	9.0 *	1.6	27.9
30	MERCED	267,699	24.7	9.2	9.2	5.9	13.6
31	STANISLAUS	549,408	48.7	8.9	9.3	6.9	12.3
32	CALAVERAS	47,197	6.0	12.7 *	9.4 *	3.4	20.4
33	SUTTER	100,044	9.3	9.3 *	9.4 *	4.4	17.7
34	LASSEN	37,570	4.0	10.6 *	9.7 *	2.7	24.9
35	COLUSA	23,305	2.3	10.0 *	10.0 *	1.5	33.1
36	DEL NORTE	30,636	3.3	10.9 *	10.0 *	2.3	27.8
37	SOLANO	436,254	44.0	10.1	10.1	7.3	13.6
38	EL DORADO	186,336	20.7	11.1	10.2	6.3	15.7
39	BUTTE	226,819	25.3	11.2	10.3	6.7	15.1
40	TULARE	456,605	47.3	10.4	10.4	7.6	13.7
41	SAN JOAQUIN	723,964	72.3	10.0	10.4	8.2	13.1
42	ALAMEDA	1,540,499	168.7	10.9	11.0	9.3	12.6
43	SHASTA	189,109	23.3	12.3	11.1	7.1	16.6
44	MONTEREY	430,418	50.3	11.7	11.4	8.4	15.0
45	KERN	853,225	93.7	11.0	11.4	9.2	14.0
46	TEHAMA	64,632	8.3	12.9 *	11.5 *	5.1	22.4
47	CONTRA COSTA	1,064,755	123.0	11.6	11.6	9.6	13.7
48	GLENN	30,411	3.7	12.1 *	11.7 *	3.0	31.2
49	SISKIYOU	46,853	6.3	13.5 *	11.9 *	4.5	25.3
50	ALPINE	1,358	0.3	24.5 *	12.0 *	0.0	157.2
51	MENDOCINO	92,466	11.7	12.6 *	12.1 *	6.2	21.3
52	HUMBOLDT	134,024	18.3	13.7 *	12.6 *	7.5	19.8
53	MARIPOSA	18,936	3.0	15.8 *	13.1 *	2.7	38.4
54	AMADOR	39,867	6.7	16.7 *	13.2 *	5.2	27.7
55	LAKE	66,727	12.0	18.0 *	14.9 *	7.7	26.0
56	MODOC	10,684	2.0	18.7 *	15.6 *	1.9	56.5
57	INYO	19,088	4.0	21.0 *	20.3 *	5.5	52.1
58	TRINITY	15,005	4.0	26.7 *	25.7 *	7.0	65.7

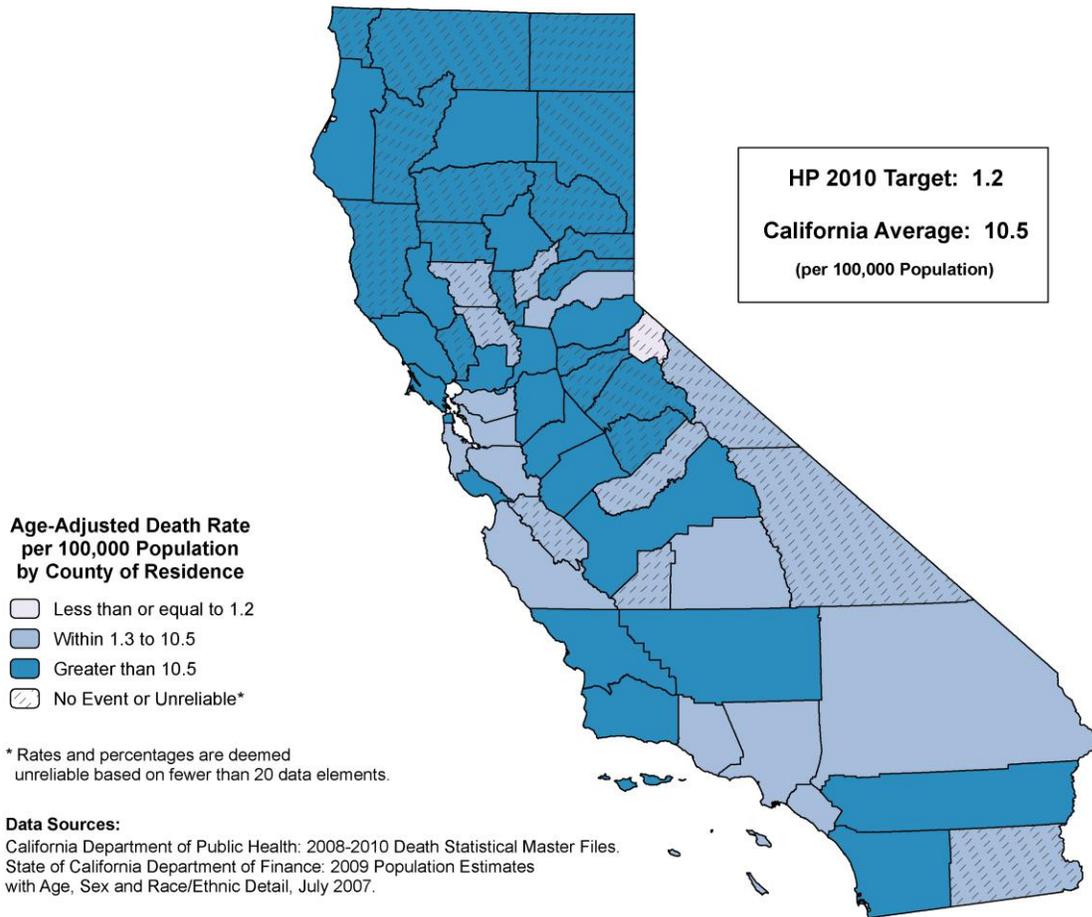
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Sources: California Department of Public Health: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DRUG-INDUCED DEATHS, 2008-2010



The crude death rate from drug-induced deaths for California was 10.8 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 9,276 persons. This rate was based on a 2008 through 2010 three-year average number of deaths equaling 4,170.7 and population count of 38,688,293 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 42.0 in Lake County to 6.4 in Tulare County, a factor of 6.6 to 1.

The age-adjusted death rate from drug-induced deaths for California during the 2008 through 2010 three-year period was 10.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 39.1 in Lake County to 6.4 in Santa Clara County.

No county with a reliable age-adjusted death rate met the Healthy People 2010 National Objective. One county 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. 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,358	0.0	-	-	-	-
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (26-3)					1.2		
2	COLUSA	23,305	0.7	2.9 *	2.5 *	0.0	19.0
3	MONO	14,589	0.7	4.6 *	5.0 *	0.0	37.2
4	YUBA	78,465	3.7	4.7 *	5.3 *	1.3	14.1
5	SANTA CLARA	1,823,759	124.3	6.8	6.4	5.3	7.6
6	SAN MATEO	734,230	54.3	7.4	6.8	5.1	8.8
7	LOS ANGELES	10,449,155	732.7	7.0	6.9	6.4	7.4
8	TULARE	456,605	29.0	6.4	7.4	4.9	10.6
9	KINGS	161,030	11.7	7.2 *	7.7 *	3.9	13.5
10	YOLO	202,673	15.3	7.6 *	7.7 *	4.4	12.7
11	IMPERIAL	184,704	14.7	7.9 *	7.9 *	4.4	13.2
12	MADERA	158,253	13.3	8.4 *	8.4 *	4.5	14.2
13	ALAMEDA	1,540,499	149.7	9.7	9.0	7.6	10.5
14	INYO	19,088	1.7	8.7 *	9.4 *	0.8	37.7
15	CONTRA COSTA	1,064,755	110.3	10.4	9.7	7.9	11.6
16	SAN BENITO	62,436	6.0	9.6 *	9.8 *	3.6	21.3
17	ORANGE	3,190,126	322.0	10.1	9.8	8.7	10.9
18	MONTEREY	430,418	42.0	9.8	10.1	7.2	13.6
19	VENTURA	846,802	89.0	10.5	10.3	8.3	12.7
20	SAN BERNARDINO	2,136,425	214.7	10.0	10.4	9.0	11.8
21	PLACER	340,705	36.0	10.6	10.4	7.3	14.5
	CALIFORNIA	38,688,293	4,170.7	10.8	10.5	10.2	10.9
22	NAPA	140,834	16.3	11.6 *	10.6 *	6.1	17.1
23	MERCED	267,699	26.0	9.7	10.8	7.1	15.9
24	TEHAMA	64,632	7.0	10.8 *	11.1 *	4.5	22.9
25	SOLANO	436,254	49.0	11.2	11.1	8.2	14.7
26	SAN DIEGO	3,169,126	376.7	11.9	11.4	10.2	12.6
27	RIVERSIDE	2,178,729	243.0	11.2	11.6	10.2	13.1
28	FRESNO	964,755	106.7	11.1	11.9	9.6	14.1
29	SANTA BARBARA	430,756	54.0	12.5	12.3	9.3	16.1
30	SANTA CRUZ	266,776	35.3	13.2	12.4	8.7	17.2
31	MARIN	253,517	34.3	13.5	12.5	8.7	17.4
32	NEVADA	101,822	14.0	13.7 *	13.0 *	7.1	21.8
33	SAN LUIS OBISPO	267,958	35.0	13.1	13.3	9.2	18.4
34	SONOMA	491,415	74.0	15.1	14.1	11.1	17.7
35	MARIPOSA	18,936	4.0	21.1 *	15.2 *	4.2	39.0
36	DEL NORTE	30,636	4.3	14.1 *	15.3 *	4.4	37.8
37	SUTTER	100,044	14.0	14.0 *	15.9 *	8.7	26.6
38	STANISLAUS	549,408	81.7	14.9	16.4	13.0	20.4
39	SACRAMENTO	1,437,311	243.0	16.9	16.6	14.5	18.7
40	KERN	853,225	138.3	16.2	17.4	14.5	20.4
41	MENDOCINO	92,466	18.7	20.2 *	17.8 *	10.7	27.9
42	SAN JOAQUIN	723,964	120.3	16.6	18.7	15.3	22.0
43	EL DORADO	186,336	37.3	20.0	18.8	13.2	25.8
44	SAN FRANCISCO	814,225	184.0	22.6	19.5	16.6	22.3
45	GLENN	30,411	5.7	18.6 *	20.4 *	7.2	45.4
46	SISKIYOU	46,853	10.3	22.1 *	21.0 *	10.2	38.2
47	LASSEN	37,570	9.3	24.8 *	22.2 *	10.3	41.7
48	TRINITY	15,005	3.0	20.0 *	23.3 *	4.8	68.1
49	CALAVERAS	47,197	10.3	21.9 *	23.3 *	11.3	42.4
50	TUOLUMNE	58,435	15.3	26.2 *	26.3 *	14.8	43.1
51	AMADOR	39,867	11.7	29.3 *	26.7 *	13.7	47.1
52	SHASTA	189,109	56.0	29.6	30.0	22.6	38.9
53	SIERRA	3,644	0.7	18.3 *	30.2 *	0.2	226.0
54	PLUMAS	21,744	6.3	29.1 *	30.4 *	11.5	64.8
55	BUTTE	226,819	72.7	32.0	32.3	25.3	40.6
56	MODOC	10,684	2.7	25.0 *	33.8 *	6.1	104.6
57	HUMBOLDT	134,024	50.0	37.3	36.3	26.9	47.8
58	LAKE	66,727	28.0	42.0	39.1	26.0	56.4

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

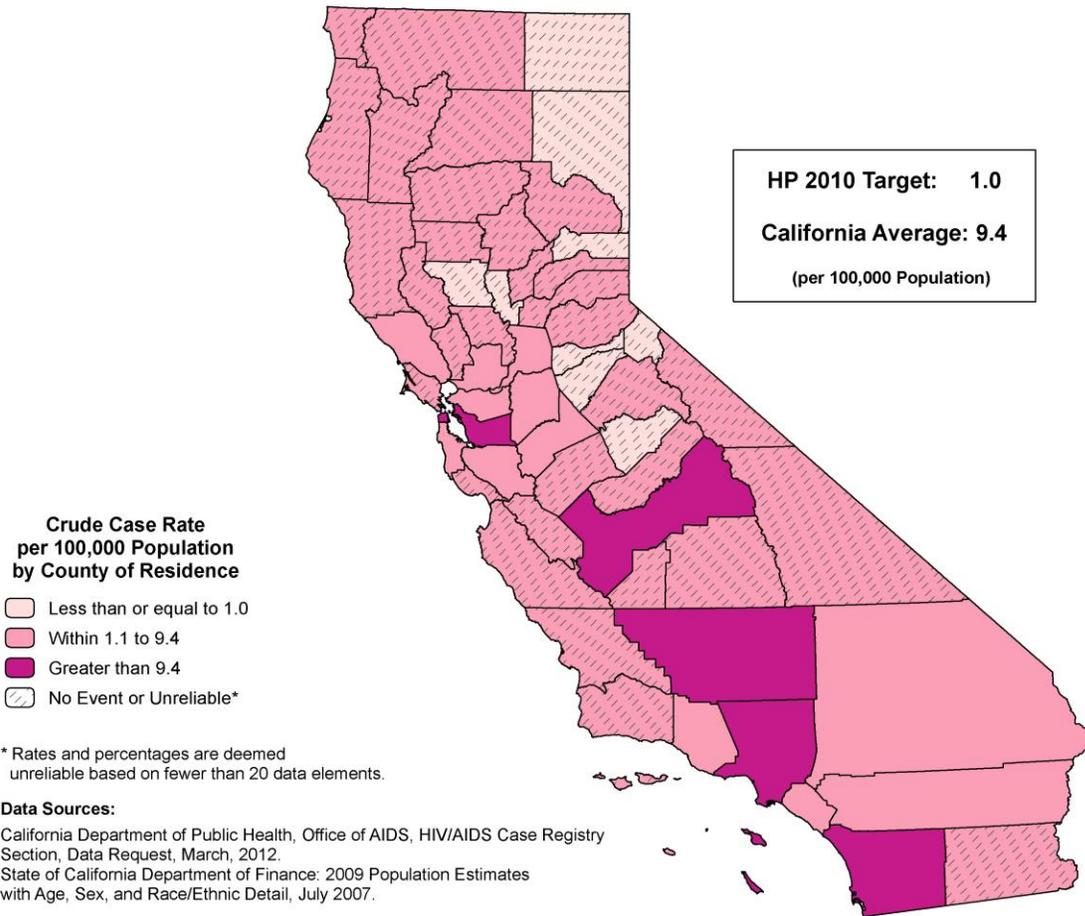
- Rates, percentages, and confidence limits are not calculated for zero events.

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: 2008-2010 Death Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OLDER, 2008-2010



The crude case rate of reported AIDS cases for Californians aged 13 years and older was 9.4 cases per 100,000 population or approximately one reported AIDS case for every 10,628 persons. This rate was based on a 2008 through 2010 three-year average reported number of cases equaling 2,978.3 and a population count of 31,652,111, for ages 13 years and older, as of July 1, 2007.

Among counties with reliable rates, the crude case rate ranged from 47.6 in San Francisco County to 3.1 in Ventura County, a factor of 15.3 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. Four counties with unreliable rates and five counties with no new AIDS cases met the objective. The statewide AIDS crude case rate did not meet the national objective.

**TABLE 20
REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OVER
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION AGED 13 AND OVER	2008-2010 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	COLUSA	18,719	0.0	-	-	-
2	MARIPOSA	16,961	0.0	-	-	-
3	MODOC	9,340	0.0	-	-	-
4	SIERRA	3,308	0.0	-	-	-
5	ALPINE	1,193	0.0	-	-	-
6	CALAVERAS	42,129	0.3	0.8 *	0.0	10.3
7	SUTTER	78,356	0.7	0.9 *	0.0	6.4
8	AMADOR	35,879	0.3	0.9 *	0.0	12.1
9	LASSEN	33,011	0.3	1.0 *	0.0	13.2
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (13-1)				1.0		
10	YUBA	62,345	0.7	1.1 *	0.0	8.0
11	NEVADA	90,431	1.0	1.1 *	0.0	6.2
12	GLENN	24,715	0.3	1.3 *	0.0	17.6
13	PLACER	282,846	4.3	1.5 *	0.4	3.8
14	SHASTA	160,163	2.7	1.7 *	0.3	5.2
15	PLUMAS	19,181	0.3	1.7 *	0.0	22.7
16	TEHAMA	54,320	1.0	1.8 *	0.0	10.3
17	HUMBOLDT	114,684	2.3	2.0 *	0.3	6.8
18	BUTTE	193,977	4.7	2.4 *	0.7	5.8
19	TULARE	355,426	8.7	2.4 *	1.1	4.7
20	SISKIYOU	40,303	1.0	2.5 *	0.1	13.8
21	EL DORADO	160,531	4.0	2.5 *	0.7	6.4
22	TRINITY	13,218	0.3	2.5 *	0.0	33.0
23	TUOLUMNE	51,954	1.3	2.6 *	0.1	11.8
24	MONO	12,493	0.3	2.7 *	0.0	34.9
25	SAN BENITO	49,792	1.3	2.7 *	0.1	12.3
26	SANTA BARBARA	355,676	10.0	2.8 *	1.3	5.2
27	SANTA CRUZ	224,983	6.3	2.8 *	1.1	6.0
28	LAKE	57,843	1.7	2.9 *	0.3	11.6
29	YOLO	168,687	5.0	3.0 *	1.0	6.9
30	VENTURA	694,627	21.7	3.1	1.9	4.7
31	KINGS	128,078	4.0	3.1 *	0.9	8.0
32	SAN MATEO	614,683	22.7	3.7	2.3	5.5
33	SAN LUIS OBISPO	230,856	8.7	3.8 *	1.7	7.2
34	DEL NORTE	26,236	1.0	3.8 *	0.1	21.2
35	MENDOCINO	77,967	3.0	3.8 *	0.8	11.2
36	INYO	16,495	0.7	4.0 *	0.0	30.2
37	MERCED	209,793	9.0	4.3 *	2.0	8.1
38	MONTEREY	341,040	15.0	4.4 *	2.5	7.3
39	MADERA	128,597	6.0	4.7 *	1.7	10.2
40	NAPA	115,382	5.7	4.9 *	1.7	10.9
41	STANISLAUS	424,871	25.3	6.0	3.9	8.8
42	SACRAMENTO	1,171,979	76.3	6.5	5.1	8.1
43	SAN BERNARDINO	1,713,304	115.3	6.7	5.5	8.0
44	ORANGE	2,621,978	180.0	6.9	5.9	7.9
45	SONOMA	406,869	30.3	7.5	5.0	10.6
46	IMPERIAL	151,482	11.7	7.7 *	3.9	13.6
47	SOLANO	360,008	28.3	7.9	5.2	11.4
48	CONTRA COSTA	887,873	73.3	8.3	6.5	10.4
49	RIVERSIDE	1,754,305	145.7	8.3	7.0	9.7
50	SAN JOAQUIN	552,237	47.0	8.5	6.3	11.3
51	SANTA CLARA	1,496,085	127.7	8.5	7.1	10.0
52	MARIN	214,615	19.7	9.2 *	5.6	14.2
	CALIFORNIA	31,652,111	2,978.3	9.4	9.1	9.7
53	KERN	669,117	64.3	9.6	7.4	12.3
54	FRESNO	765,810	75.3	9.8	7.7	12.3
55	LOS ANGELES	8,549,338	948.0	11.1	10.4	11.8
56	SAN DIEGO	2,596,437	329.0	12.7	11.3	14.0
57	ALAMEDA	1,279,520	181.7	14.2	12.1	16.3
58	SAN FRANCISCO	720,065	343.0	47.6	42.6	52.7

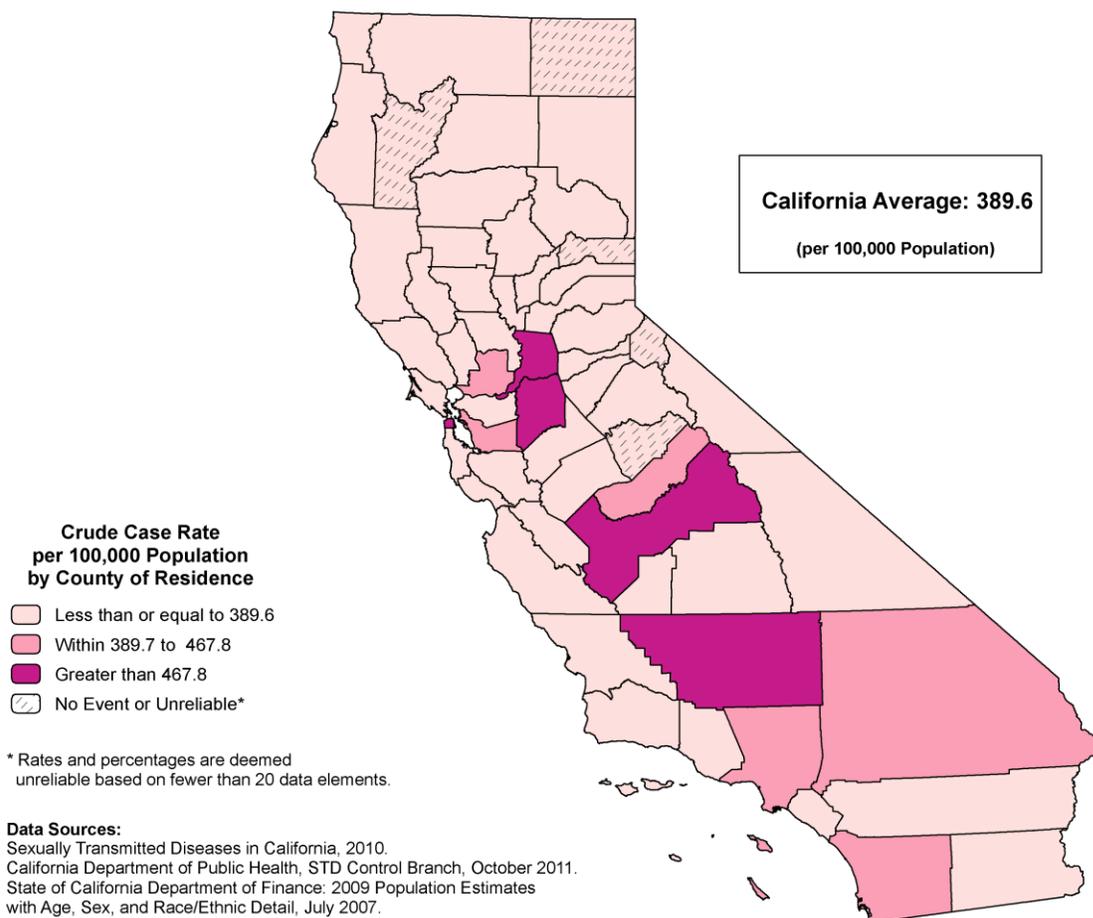
* Rates are deemed unreliable based on fewer than 20 data elements.

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

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

Sources: California Department of Public Health, Office of AIDS, HIV/AIDS Case Registry Section, Data Request, March, 2012.
State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

REPORTED INCIDENCE OF CHLAMYDIA, 2008-2010



The crude case rate of reported chlamydia cases for California was 389.6 cases per 100,000 population or approximately one reported chlamydia case for every 257 persons. This rate was based on a 2008 through 2010 three-year average reported number of cases equaling 150,717.3 and population count of 38,688,293 as of July 1, 2007.

Among counties with reliable rates, the crude case rate ranged from 628.0 in Kern County to 91.8 in Calaveras County, a factor of 6.8 to 1.

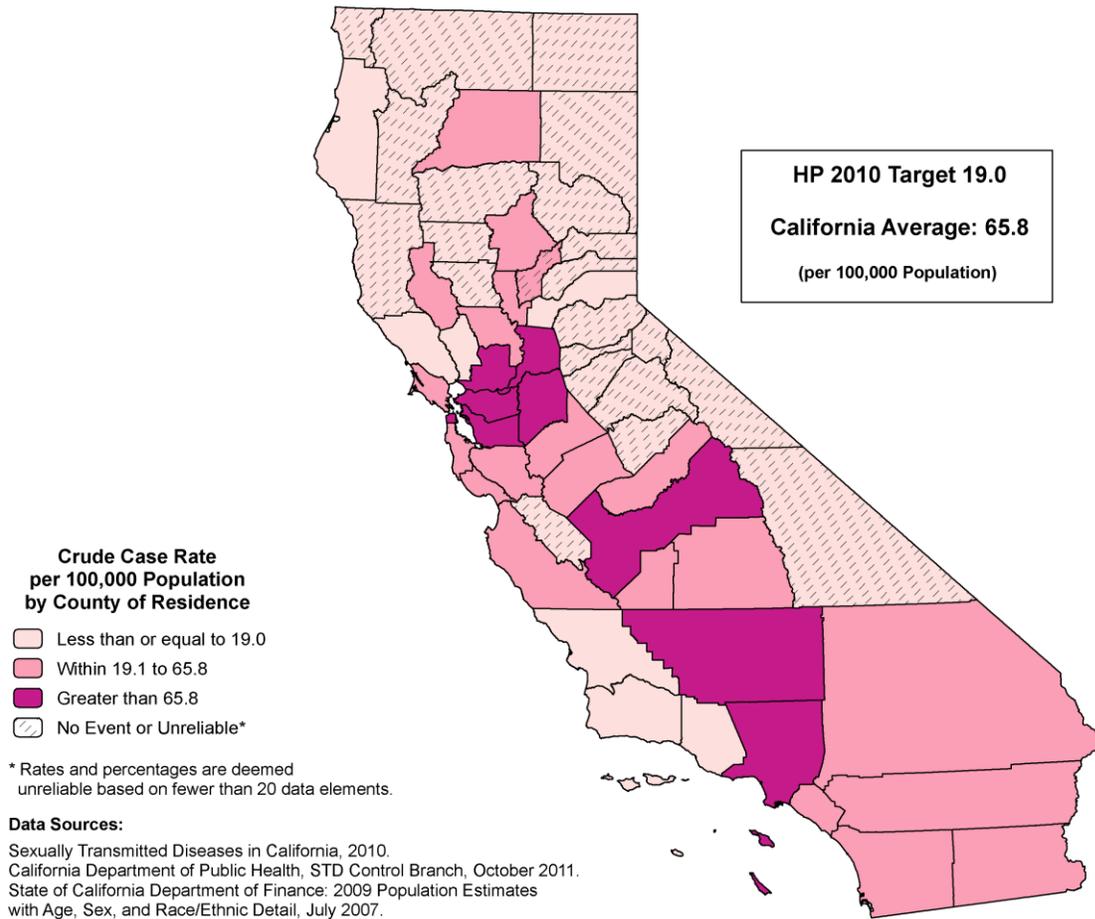
Prevalence data are not available in all California counties to evaluate the Healthy People 2010 National Objective 25-1 of no more than 3 percent testing positive in the population aged 15 to 24 years.

**TABLE 21
REPORTED INCIDENCE OF CHLAMYDIA
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:					NONE	
1	ALPINE	1,358	0.7	49.1 *	0.3	366.8
2	MODOC	10,684	6.3	59.3 *	22.5	126.5
3	TRINITY	15,005	13.7	91.1 *	49.4	153.8
4	CALAVERAS	47,197	43.3	91.8	66.5	123.5
5	MARIPOSA	18,936	17.7	93.3 *	55.0	148.1
6	COLUSA	23,305	25.0	107.3	69.4	158.4
7	SIERRA	3,644	4.3	118.9 *	34.6	294.2
8	EL DORADO	186,336	237.3	127.4	111.2	143.6
9	NEVADA	101,822	132.0	129.6	107.5	151.8
10	TUOLUMNE	58,435	78.3	134.1	106.0	167.2
11	LASSEN	37,570	51.7	137.5	102.6	180.5
12	DEL NORTE	30,636	44.7	145.8	106.2	195.3
13	SISKIYOU	46,853	77.3	165.1	130.3	206.2
14	GLENN	30,411	52.7	173.2	129.6	226.7
15	NAPA	140,834	246.3	174.9	153.1	196.8
16	INYO	19,088	35.0	183.4	127.7	255.0
17	PLACER	340,705	630.7	185.1	170.7	199.6
18	MONO	14,589	27.3	187.4	123.8	272.0
19	AMADOR	39,867	75.0	188.1	148.0	235.8
20	LAKE	66,727	132.0	197.8	164.1	231.6
21	SONOMA	491,415	1,026.0	208.8	196.0	221.6
22	MARIN	253,517	549.3	216.7	198.6	234.8
23	SUTTER	100,044	221.7	221.6	192.4	250.7
24	SHASTA	189,109	420.0	222.1	200.9	243.3
25	TEHAMA	64,632	146.3	226.4	189.7	263.1
26	SAN LUIS OBISPO	267,958	657.3	245.3	226.6	264.1
27	PLUMAS	21,744	53.7	246.8	185.2	322.3
28	SAN BENITO	62,436	155.3	248.8	209.7	287.9
29	MENDOCINO	92,466	238.0	257.4	224.7	290.1
30	ORANGE	3,190,126	8,275.3	259.4	253.8	265.0
31	SANTA CRUZ	266,776	695.0	260.5	241.1	279.9
32	SAN MATEO	734,230	1,923.0	261.9	250.2	273.6
33	VENTURA	846,802	2,231.3	263.5	252.6	274.4
34	YUBA	78,465	207.7	264.7	228.7	300.7
35	YOLO	202,673	559.0	275.8	252.9	298.7
36	HUMBOLDT	134,024	370.3	276.3	248.2	304.5
37	RIVERSIDE	2,178,729	6,525.0	299.5	292.2	306.8
38	SANTA BARBARA	430,756	1,292.0	299.9	283.6	316.3
39	SANTA CLARA	1,823,759	5,566.0	305.2	297.2	313.2
40	BUTTE	226,819	710.7	313.3	290.3	336.4
41	MONTEREY	430,418	1,370.3	318.4	301.5	335.2
42	KINGS	161,030	534.3	331.8	303.7	360.0
43	STANISLAUS	549,408	1,855.3	337.7	322.3	353.1
44	MERCED	267,699	910.3	340.1	318.0	362.1
45	CONTRA COSTA	1,064,755	3,682.0	345.8	334.6	357.0
46	IMPERIAL	184,704	649.7	351.7	324.7	378.8
47	TULARE	456,605	1,665.0	364.6	347.1	382.2
	CALIFORNIA	38,688,293	150,717.3	389.6	387.6	391.5
48	SAN BERNARDINO	2,136,425	8,372.0	391.9	383.5	400.3
49	MADERA	158,253	685.0	432.9	400.4	465.3
50	ALAMEDA	1,540,499	6,928.0	449.7	439.1	460.3
51	LOS ANGELES	10,449,155	47,090.7	450.7	446.6	454.7
52	SAN DIEGO	3,169,126	14,591.7	460.4	453.0	467.9
53	SOLANO	436,254	2,041.0	467.8	447.5	488.1
54	SAN JOAQUIN	723,964	3,574.7	493.8	477.6	509.9
55	SAN FRANCISCO	814,225	4,291.7	527.1	511.3	542.9
56	SACRAMENTO	1,437,311	7,708.7	536.3	524.4	548.3
57	FRESNO	964,755	5,654.7	586.1	570.8	601.4
58	KERN	853,225	5,358.0	628.0	611.2	644.8

* Rates are deemed unreliable based on fewer than 20 data elements.
 Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.
 Sources: Sexually Transmitted Diseases in California, 2010. California Department of Public Health, STD Control Branch, October 2011.
 State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

REPORTED INCIDENCE OF GONORRHEA, 2008-2010



The crude case rate of reported gonorrhea cases for California was 65.8 cases per 100,000 population or approximately one reported gonorrhea case for every 1,520 persons. This rate was based on a 2008 through 2010 three-year average reported number of cases equaling 25,447.3 and population count of 38,688,293 as of July 1, 2007.

Among counties with reliable rates, the crude case rate ranged from 235.4 in San Francisco County to 12.8 in San Luis Obispo County, a factor of 18.4 to 1.

Seven 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 twenty 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.

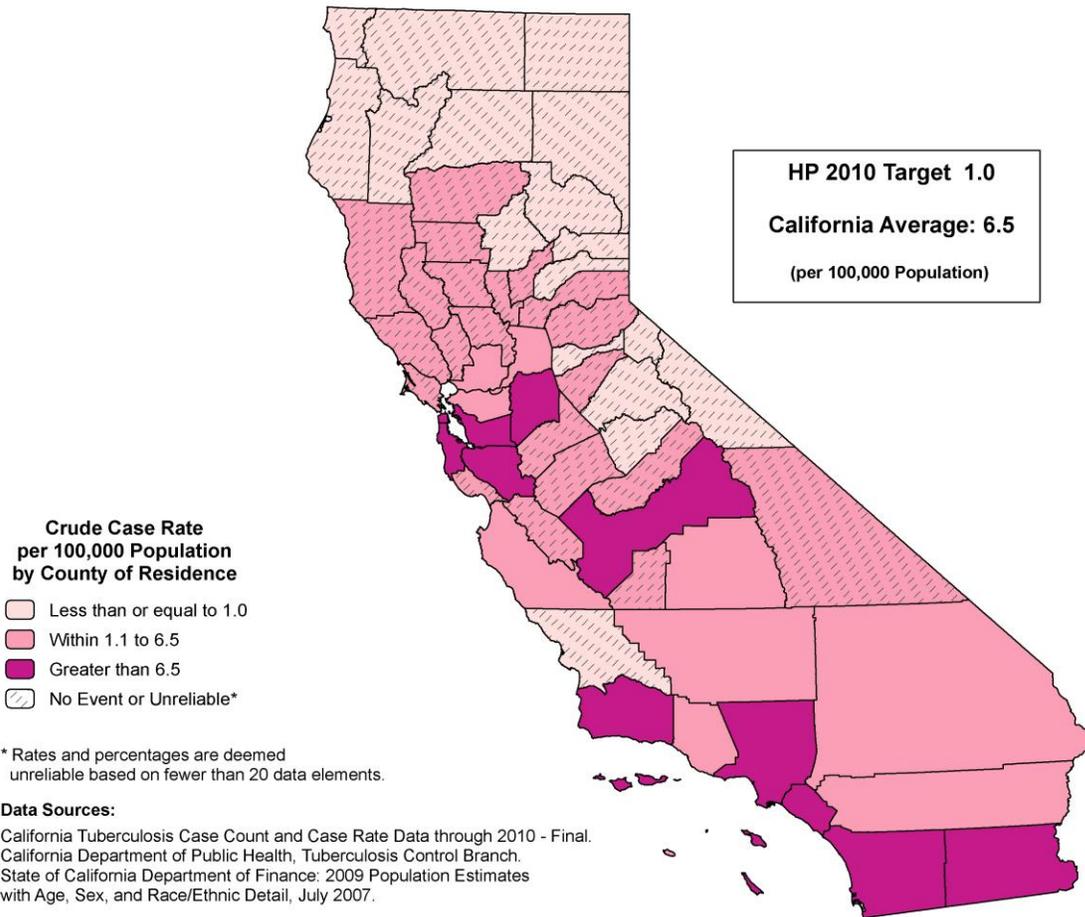
**TABLE 22
REPORTED INCIDENCE OF GONORRHEA
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	ALPINE	1,358	0.0	-	-	-
2	LASSEN	37,570	1.0	2.7 *	0.1	14.8
3	MODOC	10,684	0.3	3.1 *	0.0	40.8
4	TRINITY	15,005	0.7	4.4 *	0.0	33.2
5	MARIPOSA	18,936	1.0	5.3 *	0.1	29.4
6	DEL NORTE	30,636	1.7	5.4 *	0.5	21.8
7	NEVADA	101,822	6.7	6.5 *	2.6	13.7
8	COLUSA	23,305	1.7	7.2 *	0.6	28.7
9	TUOLUMNE	58,435	4.3	7.4 *	2.2	18.3
10	CALAVERAS	47,197	3.7	7.8 *	2.0	20.7
11	EL DORADO	186,336	16.3	8.8 *	5.0	14.2
12	MONO	14,589	1.3	9.1 *	0.5	42.1
13	SIERRA	3,644	0.3	9.1 *	0.0	119.6
14	PLUMAS	21,744	2.3	10.7 *	1.6	35.6
15	GLENN	30,411	3.3	11.0 *	2.5	30.5
16	AMADOR	39,867	4.7	11.7 *	3.6	28.1
17	TEHAMA	64,632	7.7	11.9 *	5.0	23.7
18	SAN LUIS OBISPO	267,958	34.3	12.8	8.9	17.9
19	SAN BENITO	62,436	8.0	12.8 *	5.5	25.2
20	SISKIYOU	46,853	6.3	13.5 *	5.1	28.8
21	INYO	19,088	2.7	14.0 *	2.5	43.3
22	MENDOCINO	92,466	13.3	14.4 *	7.7	24.5
23	NAPA	140,834	21.0	14.9	9.2	22.8
24	SANTA BARBARA	430,756	72.3	16.8	13.1	21.1
25	PLACER	340,705	59.3	17.4	13.3	22.4
26	SONOMA	491,415	86.0	17.5	14.0	21.6
27	HUMBOLDT	134,024	24.7	18.4	11.9	27.2
28	VENTURA	846,802	158.0	18.7	15.7	21.6
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (25-2a)				19.0		
29	IMPERIAL	184,704	36.7	19.9	14.0	27.4
30	YUBA	78,465	15.7	20.0 *	11.3	32.6
31	SANTA CRUZ	266,776	54.7	20.5	15.4	26.7
32	SUTTER	100,044	21.3	21.3	13.3	32.5
33	SHASTA	189,109	43.3	22.9	16.6	30.8
34	MONTEREY	430,418	103.3	24.0	19.4	28.6
35	BUTTE	226,819	59.3	26.2	19.9	33.7
36	MARIN	253,517	68.7	27.1	21.1	34.3
37	TULARE	456,605	127.0	27.8	23.0	32.7
38	YOLO	202,673	56.7	28.0	21.2	36.3
39	MERCED	267,699	77.3	28.9	22.8	36.1
40	ORANGE	3,190,126	921.7	28.9	27.0	30.8
41	KINGS	161,030	46.7	29.0	21.3	38.6
42	SAN MATEO	734,230	222.0	30.2	26.3	34.2
43	LAKE	66,727	22.3	33.5	21.1	50.5
44	SANTA CLARA	1,823,759	619.0	33.9	31.3	36.6
45	RIVERSIDE	2,178,729	770.3	35.4	32.9	37.9
46	STANISLAUS	549,408	197.3	35.9	30.9	40.9
47	MADERA	158,253	66.3	41.9	32.4	53.3
48	SAN BERNARDINO	2,136,425	1,183.3	55.4	52.2	58.5
49	SAN DIEGO	3,169,126	1,966.0	62.0	59.3	64.8
	CALIFORNIA	38,688,293	25,447.3	65.8	65.0	66.6
50	CONTRA COSTA	1,064,755	748.0	70.3	65.2	75.3
51	FRESNO	964,755	726.0	75.3	69.8	80.7
52	SOLANO	436,254	355.7	81.5	73.1	90.0
53	LOS ANGELES	10,449,155	9,318.7	89.2	87.4	91.0
54	SAN JOAQUIN	723,964	656.7	90.7	83.8	97.6
55	KERN	853,225	891.0	104.4	97.6	111.3
56	ALAMEDA	1,540,499	1,828.7	118.7	113.3	124.1
57	SACRAMENTO	1,437,311	1,784.0	124.1	118.4	129.9
58	SAN FRANCISCO	814,225	1,916.7	235.4	224.9	245.9

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

Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.
 Sources: Sexually Transmitted Diseases in California, 2010. California Department of Public Health, STD Control Branch, October 2011.
 State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

REPORTED INCIDENCE OF TUBERCULOSIS, 2008-2010



The crude case rate of reported tuberculosis cases for California was 6.5 cases per 100,000 population or approximately one reported tuberculosis case for every 15,483 persons. This rate was based on a 2008 through 2010 three-year average reported number of cases equaling 2,498.7 and population count of 38,688,293 as of July 1, 2007.

Among counties with reliable rates, the crude case rate ranged from 14.4 in Imperial County to 3.4 in San Bernardino County and Riverside County, a factor of 4.3 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. Seven counties with unreliable rates and ten counties with no new tuberculosis cases met the objective. The statewide tuberculosis crude case rate did not meet the national objective.

**TABLE 23
REPORTED INCIDENCE OF TUBERCULOSIS
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 POPULATION	2008-2010 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	SISKIYOU	46,853	0.0	-	-	-
2	LASSEN	37,570	0.0	-	-	-
3	DEL NORTE	30,636	0.0	-	-	-
4	PLUMAS	21,744	0.0	-	-	-
5	MARIPOSA	18,936	0.0	-	-	-
6	TRINITY	15,005	0.0	-	-	-
7	MONO	14,589	0.0	-	-	-
8	MODOC	10,684	0.0	-	-	-
9	SIERRA	3,644	0.0	-	-	-
10	ALPINE	1,358	0.0	-	-	-
11	TUOLUMNE	58,435	0.3	0.6 *	0.0	7.5
12	HUMBOLDT	134,024	1.0	0.7 *	0.0	4.2
13	AMADOR	39,867	0.3	0.8 *	0.0	10.9
14	SHASTA	189,109	1.7	0.9 *	0.1	3.5
15	NEVADA	101,822	1.0	1.0 *	0.0	5.5
16	SAN LUIS OBISPO	267,958	2.7	1.0 *	0.2	3.1
17	BUTTE	226,819	2.3	1.0 *	0.2	3.4
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (14-11)				1.0		
18	SAN BENITO	62,436	0.7	1.1 *	0.0	8.0
19	EL DORADO	186,336	2.0	1.1 *	0.1	3.9
20	PLACER	340,705	4.3	1.3 *	0.4	3.1
21	CALAVERAS	47,197	0.7	1.4 *	0.0	10.6
22	TEHAMA	64,632	1.0	1.5 *	0.0	8.6
23	INYO	19,088	0.3	1.7 *	0.0	22.8
24	SONOMA	491,415	9.0	1.8 *	0.8	3.5
25	LAKE	66,727	1.3	2.0 *	0.1	9.2
26	GLENN	30,411	0.7	2.2 *	0.0	16.4
27	MENDOCINO	92,466	2.3	2.5 *	0.4	8.4
28	YUBA	78,465	2.0	2.5 *	0.3	9.2
29	KINGS	161,030	4.3	2.7 *	0.8	6.7
30	MERCED	267,699	7.3	2.7 *	1.1	5.6
31	SANTA CRUZ	266,776	8.0	3.0 *	1.3	5.9
32	SUTTER	100,044	3.3	3.3 *	0.8	9.3
33	SAN BERNARDINO	2,136,425	71.7	3.4	2.6	4.2
34	RIVERSIDE	2,178,729	74.0	3.4	2.7	4.3
35	STANISLAUS	549,408	19.0	3.5 *	2.1	5.4
36	NAPA	140,834	5.7	4.0 *	1.4	8.9
37	MARIN	253,517	10.3	4.1 *	2.0	7.4
38	YOLO	202,673	9.3	4.6 *	2.1	8.6
39	MONTEREY	430,418	20.3	4.7	2.9	7.3
40	KERN	853,225	42.0	4.9	3.5	6.7
41	CONTRA COSTA	1,064,755	53.0	5.0	3.7	6.5
42	COLUSA	23,305	1.3	5.7 *	0.3	26.3
43	VENTURA	846,802	48.7	5.7	4.2	7.6
44	SOLANO	436,254	25.3	5.8	3.8	8.6
45	TULARE	456,605	27.3	6.0	4.0	8.7
46	SACRAMENTO	1,437,311	90.3	6.3	5.1	7.7
47	MADERA	158,253	10.3	6.5 *	3.2	11.9
	CALIFORNIA	38,688,293	2,498.7	6.5	6.2	6.7
48	ORANGE	3,190,126	210.0	6.6	5.7	7.5
49	FRESNO	964,755	64.7	6.7	5.2	8.5
50	SANTA BARBARA	430,756	29.0	6.7	4.5	9.7
51	LOS ANGELES	10,449,155	773.0	7.4	6.9	7.9
52	SAN DIEGO	3,169,126	236.3	7.5	6.5	8.4
53	SAN MATEO	734,230	62.7	8.5	6.6	10.9
54	SAN JOAQUIN	723,964	62.7	8.7	6.6	11.1
55	ALAMEDA	1,540,499	161.3	10.5	8.9	12.1
56	SANTA CLARA	1,823,759	196.7	10.8	9.3	12.3
57	SAN FRANCISCO	814,225	110.3	13.6	11.0	16.1
58	IMPERIAL	184,704	26.7	14.4	9.5	21.1

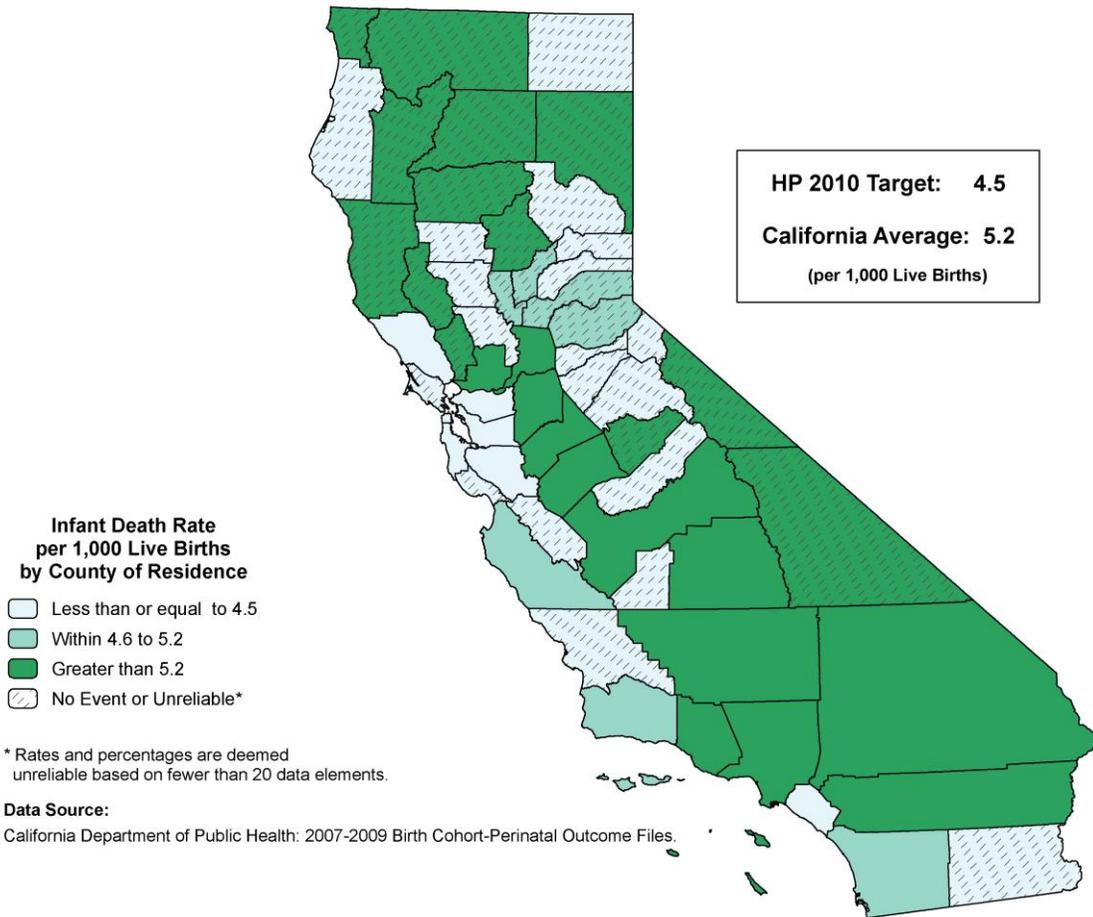
* Rates are deemed unreliable based on fewer than 20 data elements.

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

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

Sources: California Tuberculosis Case Count and Case Rate Data through 2010 - Final. California Department of Public Health, Tuberculosis Control Branch.
State of California Department of Finance: 2009 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

INFANT MORTALITY, ALL RACE/ETHNIC GROUPS, 2007-2009



The 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 2007 through 2009 three-year average number of infant deaths equaling 2,848.3 and 548,348.0 live births.

Among counties with reliable rates, the birth cohort infant death rate ranged from 7.2 in Kern County to 3.7 in Sonoma County and San Mateo County, a factor of 2.0 to 1.

Seven 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 sixteen counties with unreliable rates and three counties with no infant deaths met the objective. The statewide All Race/Ethnic Groups infant death rate did not meet the national objective.

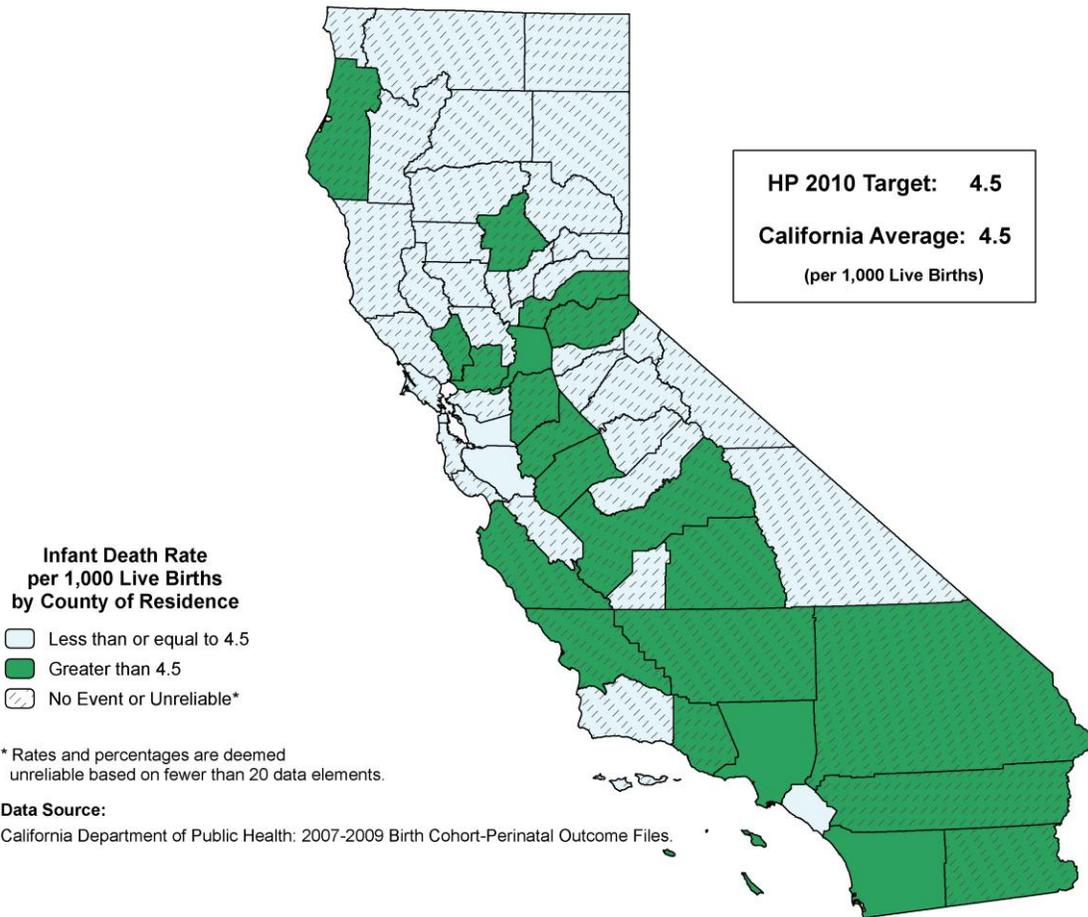
**TABLE 24A
 INFANT MORTALITY, ALL RACE/ETHNIC GROUPS
 RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
 CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	MODOC	85.7	0.0	-	-	-
2	SIERRA	22.3	0.0	-	-	-
3	ALPINE	10.0	0.0	-	-	-
4	PLUMAS	171.7	0.3	1.9 *	0.0	25.4
5	TUOLUMNE	462.0	1.0	2.2 *	0.1	12.1
6	AMADOR	292.3	0.7	2.3 *	0.0	17.0
7	COLUSA	371.3	1.0	2.7 *	0.1	15.0
8	GLENN	443.7	1.3	3.0 *	0.2	13.8
9	MARIN	2,678.3	8.3	3.1 *	1.4	6.1
10	SAN LUIS OBISPO	2,745.7	9.0	3.3 *	1.5	6.2
11	SANTA CRUZ	3,472.3	12.3	3.6 *	1.9	6.2
12	CALAVERAS	369.3	1.3	3.6 *	0.2	16.6
13	NEVADA	825.7	3.0	3.6 *	0.7	10.6
14	YOLO	2,558.3	9.3	3.6 *	1.7	6.8
15	SONOMA	5,730.0	21.0	3.7	2.3	5.6
16	SAN MATEO	9,711.0	36.3	3.7	2.6	5.2
17	SANTA CLARA	26,473.3	100.0	3.8	3.0	4.5
18	ALAMEDA	20,941.7	90.0	4.3	3.5	5.3
19	KINGS	2,712.0	11.7	4.3 *	2.2	7.6
20	IMPERIAL	3,172.0	13.7	4.3 *	2.3	7.3
21	SAN FRANCISCO	9,014.3	39.0	4.3	3.1	5.9
22	CONTRA COSTA	13,102.7	57.0	4.4	3.3	5.6
23	HUMBOLDT	1,584.3	7.0	4.4 *	1.8	9.1
24	ORANGE	42,310.7	188.3	4.5	3.8	5.1
25	SAN BENITO	816.7	3.7	4.5 *	1.1	11.9
26	MADERA	2,512.0	11.3	4.5 *	2.3	8.0
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
27	PLACER	3,964.0	18.7	4.7 *	2.8	7.4
28	MONTEREY	7,352.0	34.7	4.7	3.3	6.6
29	EL DORADO	1,805.3	8.7	4.8 *	2.2	9.2
30	SANTA BARBARA	6,216.7	30.0	4.8	3.3	6.9
31	SAN DIEGO	46,434.3	224.3	4.8	4.2	5.5
32	YUBA	1,287.0	6.7	5.2 *	2.0	10.9
33	SUTTER	1,466.0	7.7	5.2 *	2.2	10.4
	CALIFORNIA	548,348.0	2,848.3	5.2	5.0	5.4
34	VENTURA	11,877.0	62.7	5.3	4.1	6.8
35	SISKIYOU	496.0	2.7	5.4 *	1.0	16.7
36	LOS ANGELES	146,486.7	788.7	5.4	5.0	5.8
37	RIVERSIDE	33,016.7	180.3	5.5	4.7	6.3
38	SHASTA	2,162.3	12.0	5.5 *	2.9	9.7
39	NAPA	1,663.3	9.3	5.6 *	2.6	10.5
40	SACRAMENTO	21,315.0	123.7	5.8	4.8	6.8
41	TULARE	8,468.0	50.3	5.9	4.4	7.8
42	STANISLAUS	8,439.7	50.3	6.0	4.4	7.9
43	LAKE	725.0	4.3	6.0 *	1.7	14.8
44	SAN JOAQUIN	11,165.3	67.7	6.1	4.7	7.7
45	FRESNO	16,777.7	105.3	6.3	5.1	7.5
46	BUTTE	2,494.7	15.7	6.3 *	3.6	10.2
47	SOLANO	5,615.7	35.7	6.4	4.4	8.8
48	MERCED	4,493.7	28.7	6.4	4.3	9.2
49	SAN BERNARDINO	33,660.7	220.3	6.5	5.7	7.4
50	LASSEN	304.0	2.0	6.6 *	0.8	23.8
51	MARIPOSA	148.0	1.0	6.8 *	0.2	37.6
52	KERN	15,156.7	108.7	7.2	5.8	8.5
53	MENDOCINO	1,139.0	8.3	7.3 *	3.2	14.2
54	INYO	225.7	1.7	7.4 *	0.7	29.6
55	TEHAMA	790.0	6.0	7.6 *	2.8	16.5
56	DEL NORTE	333.7	2.7	8.0 *	1.4	24.8
57	TRINITY	120.3	1.0	8.3 *	0.2	46.3
58	MONO	158.7	2.0	12.6 *	1.5	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 birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
 Source: California Department of Public Health: 2007-2009 Birth Cohort-Perinatal Outcome Files.

ASIAN/PACIFIC ISLANDER INFANT MORTALITY, 2007-2009



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 2007 through 2009 three-year average number of infant deaths equaling 305.0 infant deaths and 67,156.3 live births.

Among counties with reliable rates, the birth cohort infant death rate for Asian/Pacific Islanders ranged from 6.2 in Sacramento County to 3.5 in Alameda County, a factor of 1.8 to 1.

Three 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 eleven counties with unreliable rates and twenty-three counties with no infant deaths met the objective. The statewide Asian/Pacific Islander infant death rate met the national objective.

**TABLE 24B
ASIAN/PACIFIC ISLANDER INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

RANK ORDER	COUNTY	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	KINGS	93.0	0.0	-	-	-
2	MADERA	35.7	0.0	-	-	-
3	DEL NORTE	21.3	0.0	-	-	-
4	MENDOCINO	16.7	0.0	-	-	-
5	GLENN	14.3	0.0	-	-	-
6	NEVADA	13.3	0.0	-	-	-
7	SAN BENITO	13.3	0.0	-	-	-
8	LAKE	8.3	0.0	-	-	-
9	SISKIYOU	8.3	0.0	-	-	-
10	TUOLUMNE	8.0	0.0	-	-	-
11	LASSEN	6.3	0.0	-	-	-
12	AMADOR	6.0	0.0	-	-	-
13	TEHAMA	6.0	0.0	-	-	-
14	COLUSA	4.7	0.0	-	-	-
15	CALAVERAS	4.3	0.0	-	-	-
16	INYO	3.3	0.0	-	-	-
17	MONO	3.0	0.0	-	-	-
18	MARIPOSA	2.0	0.0	-	-	-
19	PLUMAS	1.3	0.0	-	-	-
20	SIERRA	0.7	0.0	-	-	-
21	TRINITY	0.7	0.0	-	-	-
22	MODOC	0.3	0.0	-	-	-
23	ALPINE	0.0	0.0	-	-	-
24	YOLO	292.3	0.3	1.1 *	0.0	14.9
25	SONOMA	270.0	0.7	2.5 *	0.0	18.4
26	SAN FRANCISCO	2,757.3	7.3	2.7 *	1.1	5.4
27	SANTA BARBARA	237.0	0.7	2.8 *	0.0	21.0
28	YUBA	111.7	0.3	3.0 *	0.0	39.0
29	MARIN	204.3	0.7	3.3 *	0.0	24.4
30	SUTTER	204.3	0.7	3.3 *	0.0	24.4
31	SANTA CRUZ	99.0	0.3	3.4 *	0.0	44.0
32	ALAMEDA	5,755.0	20.0	3.5	2.1	5.4
33	ORANGE	7,197.3	26.3	3.7	2.4	5.3
34	CONTRA COSTA	1,967.0	7.3	3.7 *	1.5	7.6
35	SANTA CLARA	8,989.0	34.0	3.8	2.6	5.3
36	SAN MATEO	2,646.3	10.3	3.9 *	1.9	7.1
37	SHASTA	76.7	0.3	4.3 *	0.0	56.8
	CALIFORNIA	67,156.3	305.0	4.5	4.0	5.1
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)			4.5		
38	LOS ANGELES	16,717.3	76.7	4.6	3.6	5.7
39	KERN	504.3	2.3	4.6 *	0.7	15.4
40	VENTURA	793.7	4.0	5.0 *	1.4	12.9
41	SAN DIEGO	4,579.7	23.3	5.1	3.2	7.6
42	SAN BERNARDINO	1,852.0	9.7	5.2 *	2.5	9.7
43	SOLANO	814.7	4.3	5.3 *	1.5	13.2
44	PLACER	293.7	1.7	5.7 *	0.5	22.8
45	SAN JOAQUIN	1,625.0	9.3	5.7 *	2.7	10.8
46	SACRAMENTO	3,573.7	22.0	6.2	3.9	9.3
47	MERCED	348.3	2.3	6.7 *	1.0	22.2
48	RIVERSIDE	1,757.3	13.0	7.4 *	3.9	12.7
49	TULARE	270.3	2.0	7.4 *	0.9	26.7
50	MONTEREY	306.3	2.3	7.6 *	1.2	25.3
51	FRESNO	1,677.0	13.0	7.8 *	4.1	13.3
52	NAPA	115.0	1.0	8.7 *	0.2	48.4
53	STANISLAUS	454.7	4.0	8.8 *	2.4	22.5
54	EL DORADO	73.7	0.7	9.0 *	0.0	67.6
55	SAN LUIS OBISPO	71.7	0.7	9.3 *	0.0	69.5
56	HUMBOLDT	55.0	0.7	12.1 *	0.1	90.6
57	IMPERIAL	27.3	0.3	12.2 *	0.0	159.4
58	BUTTE	167.3	2.3	13.9 *	2.1	46.3

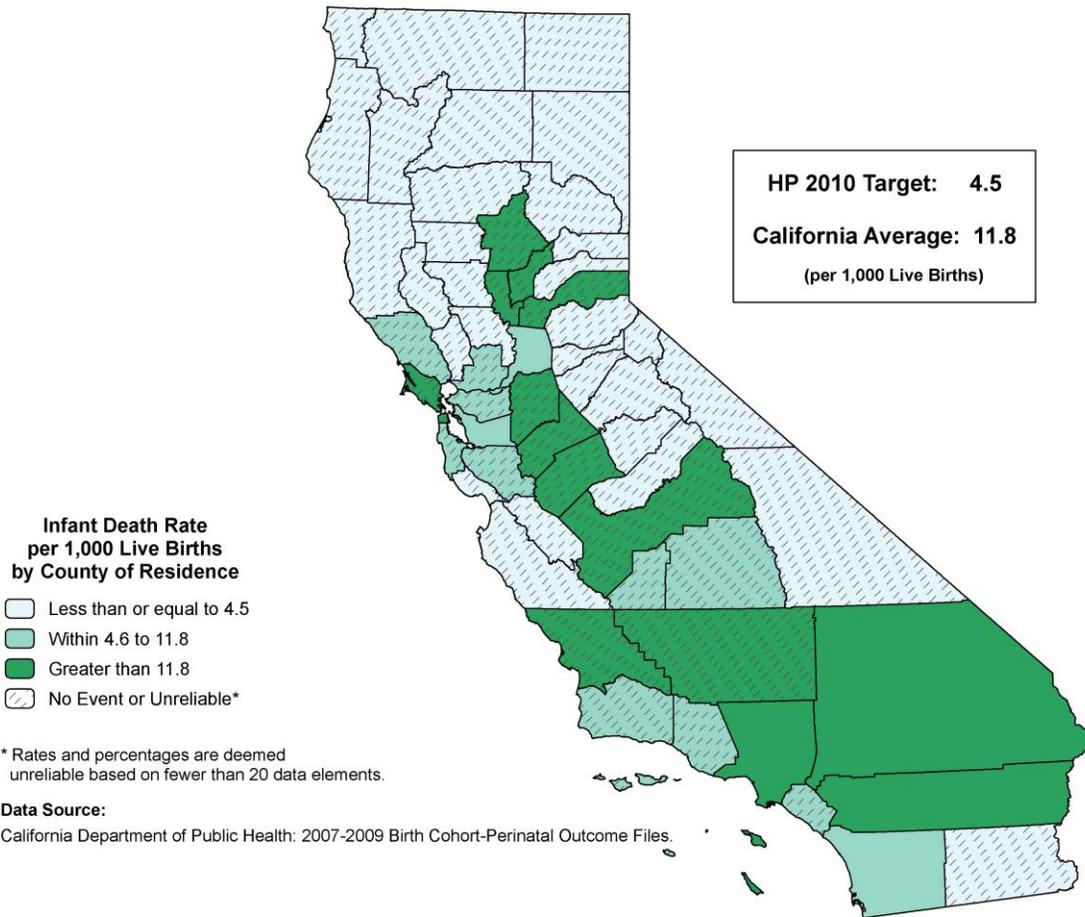
* Rates are deemed unreliable based on fewer than 20 data elements.

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

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

Source: California Department of Public Health: 2007-2009 Birth Cohort-Perinatal Outcome Files.

BLACK INFANT MORTALITY, 2007-2009



The Black birth cohort infant death rate for California was 11.8 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 85 births. This rate was based on a 2007 through 2009 three-year average number of infant deaths equaling 343.3 and 29,208.7 live births.

Among counties with reliable rates, the birth cohort infant death rate for Blacks ranged from 12.2 in San Bernardino County to 8.9 in Alameda County, a factor of 1.4 to 1.

No county with a reliable 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. One county with an unreliable infant death rate and twenty-nine 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, 2007-2009**

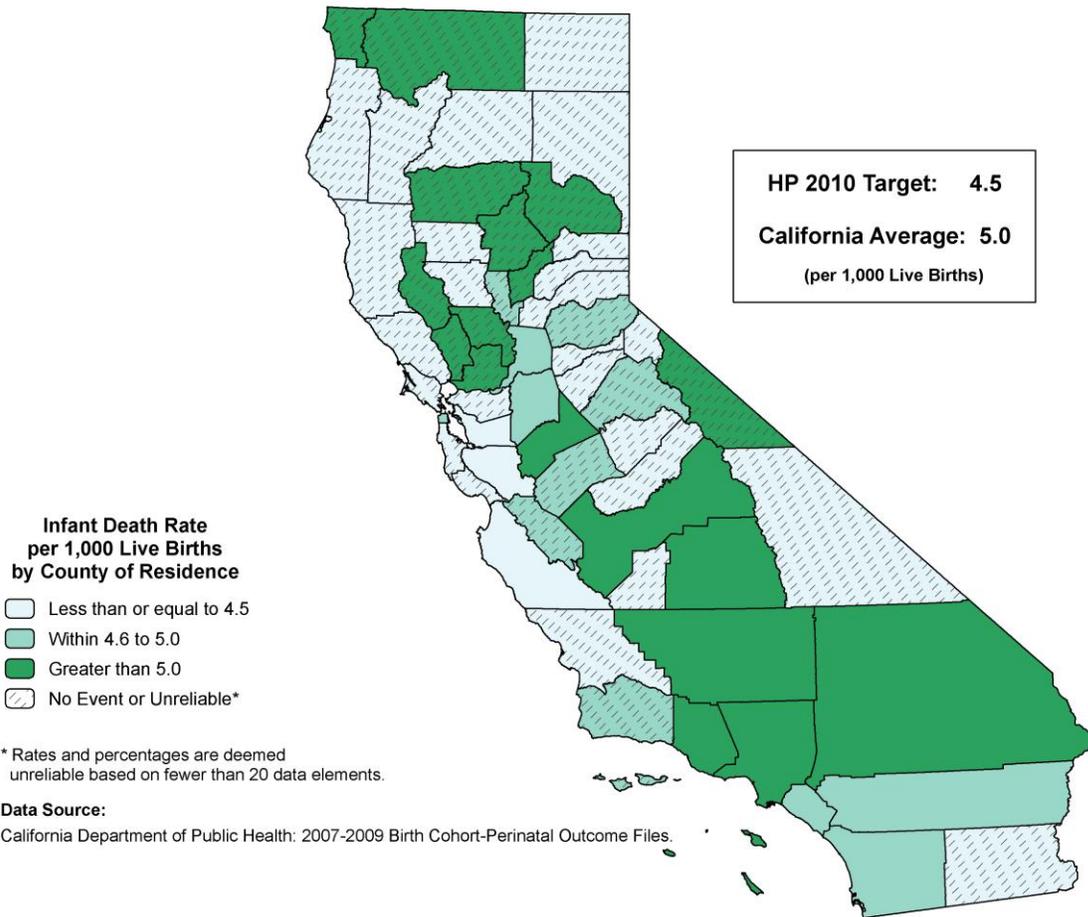
RANK ORDER	COUNTY	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	YOLO	51.3	0.0	-	-	-
2	MADERA	35.0	0.0	-	-	-
3	SHASTA	24.3	0.0	-	-	-
4	IMPERIAL	23.7	0.0	-	-	-
5	SANTA CRUZ	18.0	0.0	-	-	-
6	NAPA	16.3	0.0	-	-	-
7	HUMBOLDT	14.3	0.0	-	-	-
8	LAKE	9.7	0.0	-	-	-
9	EL DORADO	8.7	0.0	-	-	-
10	MENDOCINO	5.0	0.0	-	-	-
11	SISKIYOU	4.7	0.0	-	-	-
12	TEHAMA	3.7	0.0	-	-	-
13	LASSEN	3.0	0.0	-	-	-
14	NEVADA	2.7	0.0	-	-	-
15	SAN BENITO	2.7	0.0	-	-	-
16	GLENN	2.0	0.0	-	-	-
17	CALAVERAS	1.7	0.0	-	-	-
18	COLUSA	1.7	0.0	-	-	-
19	PLUMAS	1.3	0.0	-	-	-
20	INYO	1.0	0.0	-	-	-
21	MONO	1.0	0.0	-	-	-
22	TUOLUMNE	1.0	0.0	-	-	-
23	AMADOR	0.7	0.0	-	-	-
24	MARIPOSA	0.7	0.0	-	-	-
25	DEL NORTE	0.3	0.0	-	-	-
26	MODOC	0.3	0.0	-	-	-
27	ALPINE	0.0	0.0	-	-	-
28	SIERRA	0.0	0.0	-	-	-
29	TRINITY	0.0	0.0	-	-	-
30	MONTEREY	91.7	0.3	3.6 *	0.0	47.5
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
31	SONOMA	70.3	0.3	4.7 *	0.0	62.0
32	SANTA BARBARA	64.3	0.3	5.2 *	0.0	67.7
33	KINGS	107.3	0.7	6.2 *	0.0	46.4
34	VENTURA	119.3	1.0	8.4 *	0.2	46.7
35	ALAMEDA	2,465.0	22.0	8.9	5.6	13.5
36	SANTA CLARA	519.7	4.7	9.0 *	2.8	21.5
37	ORANGE	453.0	4.3	9.6 *	2.8	23.7
38	SAN MATEO	169.7	1.7	9.8 *	0.9	39.4
39	CONTRA COSTA	1,189.3	12.0	10.1 *	5.2	17.6
40	TULARE	98.0	1.0	10.2 *	0.3	56.9
41	SACRAMENTO	2,223.7	24.0	10.8	6.9	16.1
42	SOLANO	732.7	8.0	10.9 *	4.7	21.5
43	SAN DIEGO	1,988.0	22.3	11.2	7.1	17.0
	CALIFORNIA	29,208.7	343.3	11.8	10.5	13.0
44	RIVERSIDE	1,663.7	20.0	12.0	7.3	18.6
45	LOS ANGELES	10,837.7	130.7	12.1	10.0	14.1
46	SAN BERNARDINO	2,742.7	33.3	12.2	8.4	17.0
47	FRESNO	850.7	11.0	12.9 *	6.5	23.1
48	SUTTER	24.7	0.3	13.5 *	0.0	176.7
49	MARIN	46.7	0.7	14.3 *	0.1	106.7
50	KERN	794.0	11.7	14.7 *	7.5	25.9
51	SAN JOAQUIN	788.3	13.3	16.9 *	9.1	28.7
52	PLACER	38.3	0.7	17.4 *	0.1	129.9
53	SAN FRANCISCO	528.0	10.0	18.9 *	9.1	34.8
54	BUTTE	34.0	0.7	19.6 *	0.1	146.5
55	STANISLAUS	165.7	3.3	20.1 *	4.6	55.9
56	YUBA	30.0	0.7	22.2 *	0.1	166.0
57	MERCED	123.3	3.7	29.7 *	7.5	79.1
58	SAN LUIS OBISPO	14.3	0.7	46.5 *	0.2	347.5

* 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 birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
Source: California Department of Public Health: 2007-2009 Birth Cohort-Perinatal Outcome Files.

HISPANIC INFANT MORTALITY, 2007-2009



The Hispanic birth cohort infant death rate for California was 5.0 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 199 births. This rate was based on a 2007 through 2009 three-year average number of infant deaths equaling 1,434.7 and 284,822.3 live births.

Among counties with reliable rates, the birth cohort infant death rate for Hispanics ranged from 6.8 in Kern County to 3.6 in Alameda County, a factor of 1.9 to 1.

Three 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 seventeen counties with unreliable rates and eight 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, 2007-2009**

RANK ORDER	COUNTY	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	CALAVERAS	50.0	0.0	-	-	-
2	AMADOR	46.7	0.0	-	-	-
3	LASSEN	44.7	0.0	-	-	-
4	MARIPOSA	18.0	0.0	-	-	-
5	TRINITY	10.7	0.0	-	-	-
6	MODOC	10.0	0.0	-	-	-
7	SIERRA	2.3	0.0	-	-	-
8	ALPINE	1.7	0.0	-	-	-
9	NEVADA	135.0	0.3	2.5 *	0.0	32.3
10	COLUSA	269.3	0.7	2.5 *	0.0	18.5
11	GLENN	227.3	0.7	2.9 *	0.0	21.9
12	SAN LUIS OBISPO	1,004.0	3.3	3.3 *	0.8	9.2
13	MADERA	1,843.0	6.3	3.4 *	1.3	7.3
14	ALAMEDA	6,618.0	24.0	3.6	2.3	5.4
15	CONTRA COSTA	4,789.7	17.7	3.7 *	2.2	5.9
16	SANTA CLARA	9,917.7	37.7	3.8	2.7	5.2
17	SONOMA	2,521.0	9.7	3.8 *	1.8	7.1
18	PLACER	777.7	3.0	3.9 *	0.8	11.3
19	SANTA CRUZ	1,996.7	8.0	4.0 *	1.7	7.9
20	MENDOCINO	411.0	1.7	4.1 *	0.4	16.3
21	IMPERIAL	2,845.7	11.7	4.1 *	2.1	7.2
22	MONTEREY	5,546.0	23.0	4.1	2.6	6.2
23	MARIN	783.7	3.3	4.3 *	1.0	11.8
24	HUMBOLDT	235.0	1.0	4.3 *	0.1	23.7
25	SHASTA	232.7	1.0	4.3 *	0.1	23.9
26	KINGS	1,624.0	7.0	4.3 *	1.7	8.9
27	INYO	74.7	0.3	4.5 *	0.0	58.4
28	SAN MATEO	3,132.0	14.0	4.5 *	2.4	7.5
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
29	SAN DIEGO	20,682.0	94.3	4.6	3.7	5.6
30	SACRAMENTO	6,280.3	28.7	4.6	3.0	6.6
31	SUTTER	579.7	2.7	4.6 *	0.8	14.3
32	SANTA BARBARA	4,162.0	19.3	4.6 *	2.8	7.2
33	MERCED	2,926.7	13.7	4.7 *	2.5	7.9
34	SAN FRANCISCO	1,914.0	9.3	4.9 *	2.3	9.2
35	SAN JOAQUIN	5,645.0	27.7	4.9	3.2	7.1
36	SAN BENITO	604.7	3.0	5.0 *	1.0	14.5
37	ORANGE	21,725.0	108.0	5.0	4.0	5.9
38	TUOLUMNE	67.0	0.3	5.0 *	0.0	65.0
39	RIVERSIDE	19,963.0	100.3	5.0	4.0	6.0
40	EL DORADO	396.7	2.0	5.0 *	0.6	18.2
CALIFORNIA		284,822.3	1,434.7	5.0	4.8	5.3
41	LOS ANGELES	91,709.3	463.3	5.1	4.6	5.5
42	DEL NORTE	63.3	0.3	5.3 *	0.0	68.8
43	SOLANO	1,914.7	11.0	5.7 *	2.9	10.3
44	FRESNO	10,224.0	59.3	5.8	4.4	7.5
45	TULARE	6,139.3	35.7	5.8	4.1	8.1
46	YUBA	396.3	2.3	5.9 *	0.9	19.6
47	SAN BERNARDINO	20,044.3	119.3	6.0	4.9	7.0
48	VENTURA	7,213.3	43.0	6.0	4.3	8.0
49	NAPA	913.3	5.7	6.2 *	2.2	13.8
50	YOLO	1,081.3	7.0	6.5 *	2.6	13.3
51	STANISLAUS	4,621.3	30.0	6.5	4.4	9.3
52	KERN	9,225.3	63.0	6.8	5.2	8.7
53	SISKIYOU	84.7	0.7	7.9 *	0.0	58.8
54	BUTTE	492.0	4.0	8.1 *	2.2	20.8
55	LAKE	204.3	1.7	8.2 *	0.7	32.7
56	TEHAMA	271.0	3.0	11.1 *	2.3	32.4
57	PLUMAS	26.7	0.3	12.5 *	0.0	163.4
58	MONO	83.7	1.3	15.9 *	0.9	73.4

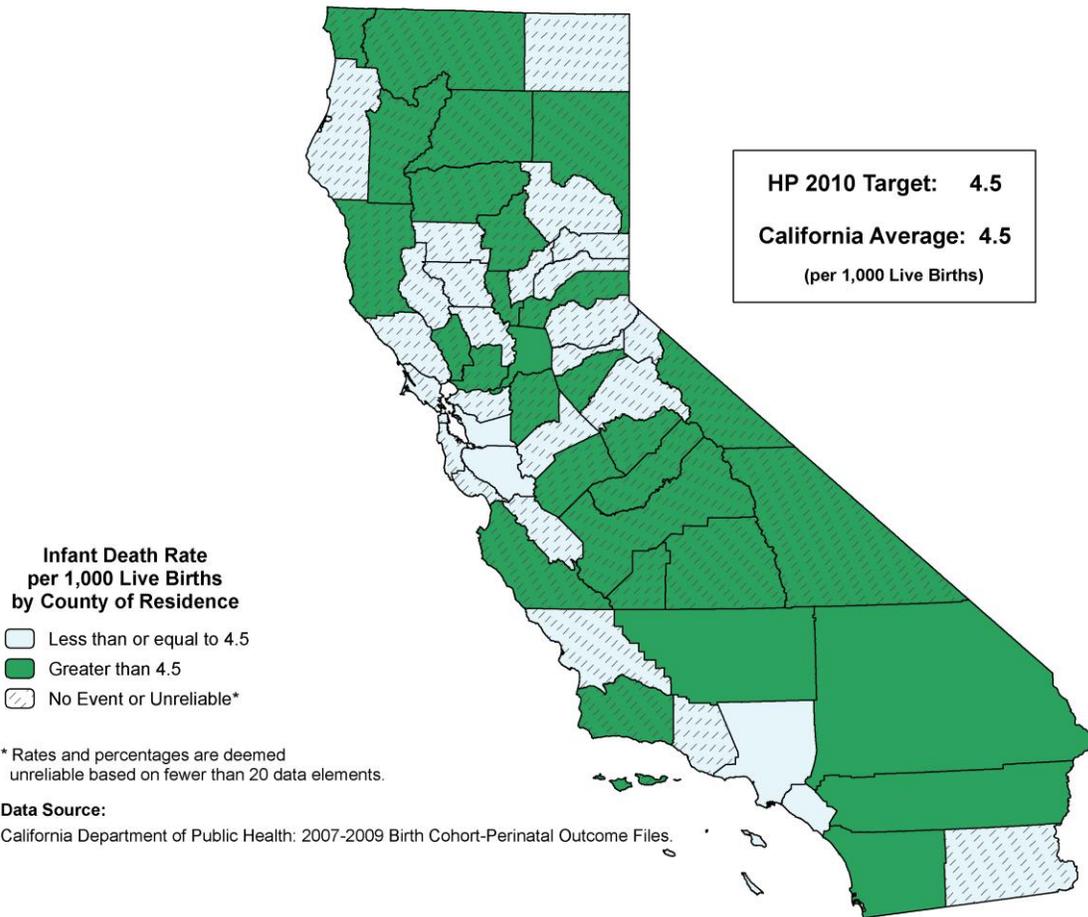
* Rates are deemed unreliable based on fewer than 20 data elements.

- 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: 2007-2009 Birth Cohort-Perinatal Outcome Files.

WHITE INFANT MORTALITY, 2007-2009



The White 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 223 births. This rate was based on a 2007 through 2009 three-year average number of infant deaths equaling 656.3 and 146,552.3 live births.

Among counties with reliable rates, the birth cohort infant death rate for Whites ranged from 6.8 in Kern County to 3.5 in Santa Clara County, a factor of 1.9 to 1.

Four 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 twenty-one counties with unreliable rates and four counties with no infant deaths met the objective.

**TABLE 24E
WHITE INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2007-2009**

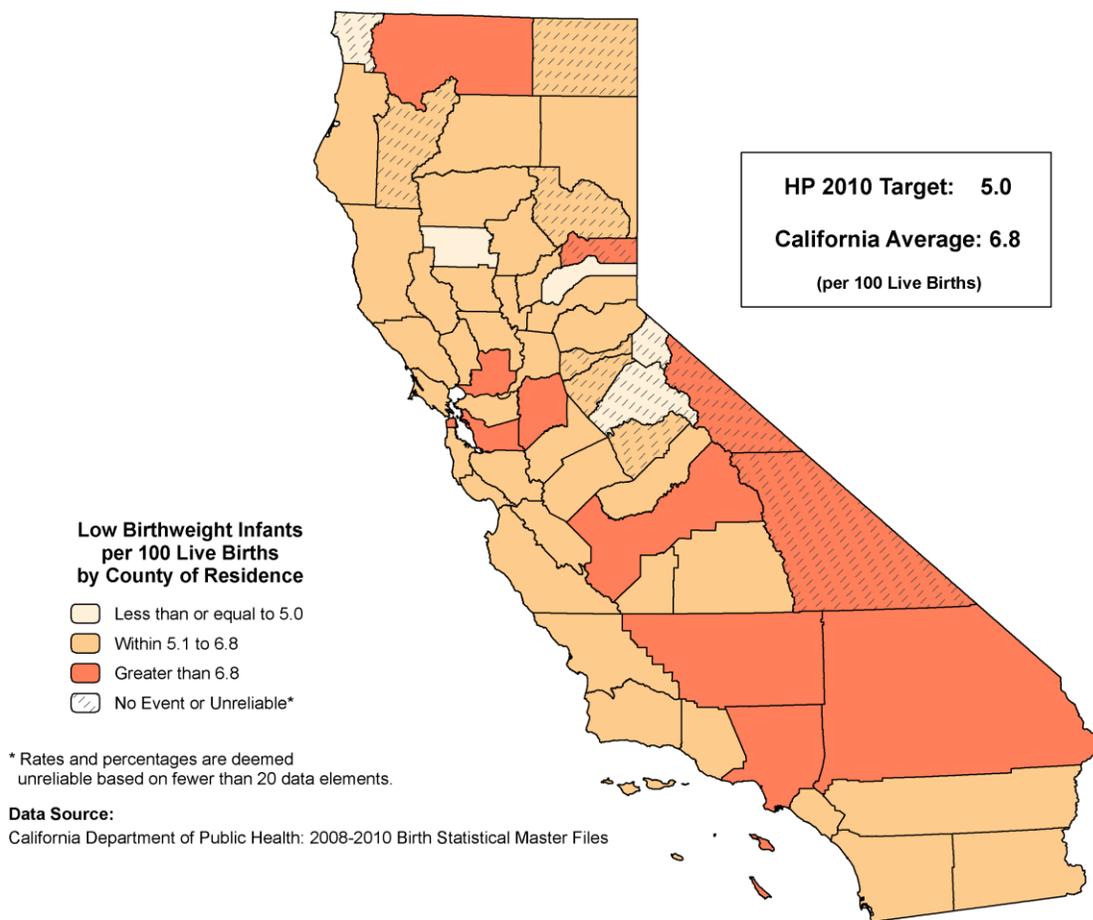
RANK ORDER	COUNTY	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	PLUMAS	133.7	0.0	-	-	-
2	MODOC	67.7	0.0	-	-	-
3	SIERRA	18.7	0.0	-	-	-
4	ALPINE	3.0	0.0	-	-	-
5	AMADOR	220.7	0.3	1.5 *	0.0	19.8
6	YOLO	1,033.3	1.7	1.6 *	0.1	6.5
7	TUOLUMNE	359.3	0.7	1.9 *	0.0	13.9
8	MARIN	1,583.7	3.7	2.3 *	0.6	6.2
9	SAN FRANCISCO	3,535.3	9.0	2.5 *	1.2	4.8
10	SAN LUIS OBISPO	1,561.7	4.0	2.6 *	0.7	6.6
11	IMPERIAL	235.3	0.7	2.8 *	0.0	21.2
12	SANTA CRUZ	1,248.3	3.7	2.9 *	0.7	7.8
13	HUMBOLDT	1,063.3	3.3	3.1 *	0.7	8.7
14	SAN MATEO	2,916.7	9.3	3.2 *	1.5	6.0
15	VENTURA	3,536.7	12.0	3.4 *	1.8	5.9
16	CONTRA COSTA	4,413.0	15.0	3.4 *	1.9	5.6
17	SANTA CLARA	5,697.3	20.0	3.5	2.1	5.4
18	GLENN	187.0	0.7	3.6 *	0.0	26.6
19	SONOMA	2,609.7	9.3	3.6 *	1.7	6.7
20	SAN BENITO	181.0	0.7	3.7 *	0.0	27.5
21	ORANGE	11,907.3	44.3	3.7	2.7	5.0
22	COLUSA	86.3	0.3	3.9 *	0.0	50.5
23	STANISLAUS	2,876.0	11.7	4.1 *	2.1	7.1
24	ALAMEDA	5,074.0	20.7	4.1	2.5	6.2
25	NEVADA	648.0	2.7	4.1 *	0.7	12.8
26	LOS ANGELES	24,341.7	101.3	4.2	3.4	5.0
27	YUBA	699.7	3.0	4.3 *	0.9	12.5
28	LAKE	445.0	2.0	4.5 *	0.5	16.2
29	EL DORADO	1,254.7	5.7	4.5 *	1.6	10.0
	CALIFORNIA	146,552.3	656.3	4.5	4.1	4.8
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)			4.5		
30	RIVERSIDE	8,565.0	39.0	4.6	3.2	6.2
31	PLACER	2,697.3	12.3	4.6 *	2.4	7.9
32	SAN DIEGO	14,563.7	66.7	4.6	3.5	5.8
33	CALAVERAS	290.3	1.3	4.6 *	0.3	21.1
34	NAPA	573.3	2.7	4.7 *	0.8	14.4
35	KINGS	787.7	3.7	4.7 *	1.2	12.4
36	SISKIYOU	348.3	1.7	4.8 *	0.4	19.2
37	BUTTE	1,644.0	8.3	5.1 *	2.2	9.9
38	SACRAMENTO	8,162.0	42.0	5.1	3.7	7.0
39	FRESNO	3,512.3	18.7	5.3 *	3.2	8.3
40	SAN JOAQUIN	2,715.3	15.0	5.5 *	3.1	9.1
41	SANTA BARBARA	1,604.3	9.0	5.6 *	2.6	10.6
42	TULARE	1,811.3	10.3	5.7 *	2.8	10.4
43	MONTEREY	1,284.7	7.3	5.7 *	2.4	11.6
44	SHASTA	1,704.0	10.0	5.9 *	2.8	10.8
45	SAN BERNARDINO	8,270.3	51.0	6.2	4.6	8.1
46	INYO	106.7	0.7	6.3 *	0.0	46.7
47	SOLANO	1,759.0	11.0	6.3 *	3.1	11.2
48	TEHAMA	477.3	3.0	6.3 *	1.3	18.4
49	SUTTER	616.7	4.0	6.5 *	1.8	16.6
50	DEL NORTE	200.3	1.3	6.7 *	0.4	30.6
51	KERN	4,254.0	29.0	6.8	4.6	9.8
52	LASSEN	230.0	1.7	7.2 *	0.6	29.1
53	MADERA	531.3	4.0	7.5 *	2.1	19.3
54	MARIPOSA	119.3	1.0	8.4 *	0.2	46.7
55	MERCED	1,029.7	8.7	8.4 *	3.8	16.2
56	MENDOCINO	590.7	5.7	9.6 *	3.4	21.3
57	MONO	67.7	0.7	9.9 *	0.1	73.6
58	TRINITY	97.7	1.0	10.2 *	0.3	57.0

* 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: 2007-2009 Birth Cohort-Perinatal Outcome Files.

LOW BIRTHWEIGHT INFANTS, 2008-2010



The ratio of low birthweight infants for California was 6.8 per 100 live births, or about one for every 15 live births. The 6.8 percentage was based on a 2008 through 2010 three-year average number of low birthweight infants equaling 36,063.3 and live births of 529,418.3.

Among counties with reliable percentages, the percent of low birthweight infants ranged from 7.6 in Fresno County to 4.8 in Nevada County, a factor of 1.6 to 1.

Two counties 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 two counties with unreliable percentages and one county with no low birthweight infants 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2008-2010 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		LIVE BIRTHS	LOW BIRTHWEIGHT		LOWER	UPPER
			NUMBER	PERCENT		
1	ALPINE	7.0	0.0	-	-	-
2	TUOLUMNE	466.0	19.3	4.1 *	2.5	6.5
3	NEVADA	807.3	39.0	4.8	3.4	6.6
4	GLENN	443.3	22.0	5.0	3.1	7.5
5	DEL NORTE	339.0	17.0	5.0 *	2.9	8.0
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-10a)				5.0		
6	YOLO	2,526.0	131.0	5.2	4.3	6.1
7	CALAVERAS	352.3	18.3	5.2 *	3.1	8.2
8	PLUMAS	166.3	8.7	5.2 *	2.3	10.0
9	AMADOR	285.0	15.0	5.3 *	2.9	8.7
10	MARIPOSA	149.0	8.0	5.4 *	2.3	10.6
11	TRINITY	116.3	6.3	5.4 *	2.1	11.6
12	TEHAMA	789.7	43.0	5.4	3.9	7.3
13	HUMBOLDT	1,564.3	86.0	5.5	4.4	6.8
14	PLACER	3,887.7	214.3	5.5	4.8	6.3
15	BUTTE	2,469.3	139.0	5.6	4.7	6.6
16	SAN LUIS OBISPO	2,695.7	153.0	5.7	4.8	6.6
17	SHASTA	2,130.3	121.7	5.7	4.7	6.7
18	MONTEREY	7,088.0	408.3	5.8	5.2	6.3
19	MENDOCINO	1,109.0	64.3	5.8	4.5	7.4
20	LAKE	717.0	41.7	5.8	4.2	7.9
21	SONOMA	5,611.7	327.3	5.8	5.2	6.5
22	SANTA BARBARA	6,058.7	355.7	5.9	5.3	6.5
23	YUBA	1,244.0	74.7	6.0	4.7	7.5
24	SUTTER	1,420.3	85.3	6.0	4.8	7.4
25	SANTA CRUZ	3,342.7	202.0	6.0	5.2	6.9
26	MODOC	98.3	6.0	6.1 *	2.2	13.3
27	SAN BENITO	767.7	47.3	6.2	4.5	8.2
28	COLUSA	355.3	22.0	6.2	3.9	9.4
29	VENTURA	11,525.3	721.0	6.3	5.8	6.7
30	IMPERIAL	3,146.0	197.3	6.3	5.4	7.1
31	TULARE	8,350.0	527.7	6.3	5.8	6.9
32	STANISLAUS	8,096.0	511.7	6.3	5.8	6.9
33	NAPA	1,616.0	102.7	6.4	5.1	7.6
34	LASSEN	323.3	20.7	6.4	3.9	9.8
35	MADERA	2,452.3	158.0	6.4	5.4	7.4
36	KINGS	2,620.3	169.0	6.4	5.5	7.4
37	EL DORADO	1,716.7	111.0	6.5	5.3	7.7
38	ORANGE	40,374.7	2,612.3	6.5	6.2	6.7
39	MARIN	2,526.0	164.3	6.5	5.5	7.5
40	RIVERSIDE	31,708.0	2,083.3	6.6	6.3	6.9
41	SAN DIEGO	45,512.7	2,995.0	6.6	6.3	6.8
42	CONTRA COSTA	12,722.3	850.3	6.7	6.2	7.1
43	SAN MATEO	9,469.0	636.3	6.7	6.2	7.2
44	MERCED	4,359.3	295.7	6.8	6.0	7.6
45	SACRAMENTO	20,621.3	1,407.3	6.8	6.5	7.2
46	SANTA CLARA	25,287.3	1,732.0	6.8	6.5	7.2
	CALIFORNIA	529,418.3	36,063.3	6.8	6.7	6.9
47	SOLANO	5,348.7	367.0	6.9	6.2	7.6
48	SISKIYOU	469.7	32.7	7.0	4.8	9.8
49	SAN JOAQUIN	10,828.7	760.7	7.0	6.5	7.5
50	SAN FRANCISCO	8,902.7	627.0	7.0	6.5	7.6
51	ALAMEDA	20,197.0	1,433.0	7.1	6.7	7.5
52	SAN BERNARDINO	32,379.0	2,304.0	7.1	6.8	7.4
53	KERN	14,850.7	1,060.3	7.1	6.7	7.6
54	LOS ANGELES	140,174.0	10,220.0	7.3	7.1	7.4
55	FRESNO	16,438.0	1,253.0	7.6	7.2	8.0
56	MONO	155.0	12.0	7.7 *	4.0	13.5
57	INYO	219.0	19.7	9.0 *	5.5	13.9
58	SIERRA	22.0	2.0	9.1 *	1.1	32.8

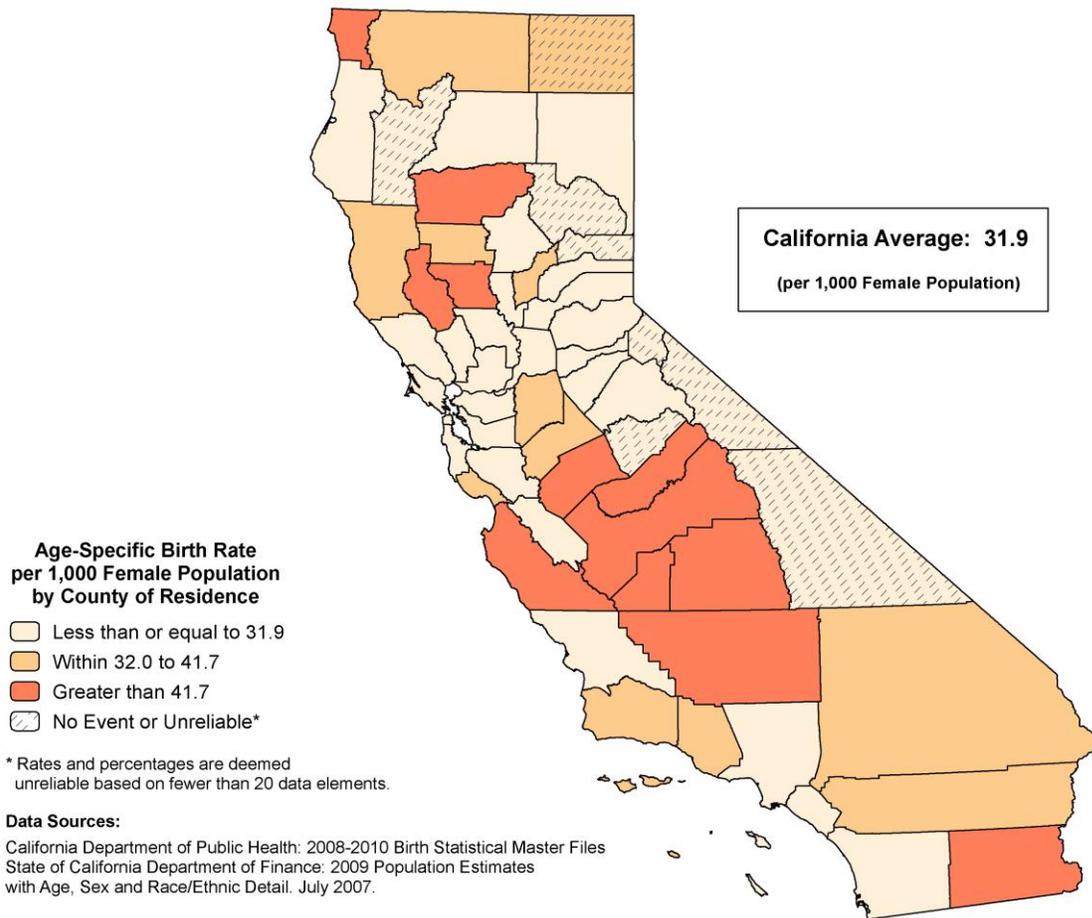
* Rates are deemed unreliable based on fewer than 20 data elements.

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

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

Source: California Department of Public Health: 2008-20010 Birth Statistical Master Files

BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD, 2008-2010



The age-specific birth rate to adolescents aged 15 to 19 in California was 31.9 per 1,000 female population, or approximately one birth for every 31 adolescent females. This rate was based on a 2008 through 2010 three-year average number of births of 47,547.3 and female population count of 1,488,207.

Among counties with reliable rates, the age-specific rate ranged from 60.3 in Tulare County to 10.9 in Marin County, a factor of 5.5 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, 2008-2010**

RANK ORDER	COUNTY OF RESIDENCE	2009 FEMALE POPULATION 15-19 YRS OLD	2008-2010 LIVE BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTHRATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE		
1	MARIN	7,343	80.0	10.9	8.6	13.6
2	SIERRA	112	1.3	11.9 *	0.7	54.8
3	PLACER	13,591	170.7	12.6	10.7	14.4
4	MONO	526	6.7	12.7 *	5.0	26.6
5	NEVADA	3,559	47.0	13.2	9.7	17.6
6	EL DORADO	7,171	107.0	14.9	12.1	17.7
7	AMADOR	1,135	21.0	18.5	11.5	28.3
8	SAN LUIS OBISPO	10,221	193.0	18.9	16.2	21.5
9	SAN MATEO	21,708	412.7	19.0	17.2	20.8
10	YOLO	9,985	190.7	19.1	16.4	21.8
11	CALAVERAS	1,608	31.7	19.7	13.4	27.9
12	SAN FRANCISCO	13,130	262.3	20.0	17.6	22.4
13	CONTRA COSTA	38,647	784.0	20.3	18.9	21.7
14	MARIPOSA	588	12.3	21.0 *	11.0	36.4
15	TUOLUMNE	1,683	35.7	21.2	14.8	29.4
16	SANTA CLARA	59,714	1,307.3	21.9	20.7	23.1
17	SONOMA	17,337	390.0	22.5	20.3	24.7
18	NAPA	4,965	116.0	23.4	19.1	27.6
19	ORANGE	115,633	2,721.3	23.5	22.6	24.4
20	ALAMEDA	50,374	1,200.7	23.8	22.5	25.2
21	BUTTE	9,080	239.0	26.3	23.0	29.7
22	PLUMAS	719	19.0	26.4 *	15.9	41.3
23	SOLANO	16,512	437.7	26.5	24.0	29.0
24	SAN BENITO	2,637	70.7	26.8	20.9	33.8
25	TRINITY	522	14.0	26.8 *	14.7	45.0
26	HUMBOLDT	4,684	127.3	27.2	22.5	31.9
27	INYO	705	19.7	27.9 *	17.0	43.2
28	LASSEN	1,144	32.0	28.0	19.1	39.5
29	ALPINE	34	1.0	29.4 *	0.7	163.9
30	SHASTA	7,054	211.7	30.0	26.0	34.0
31	SAN DIEGO	115,946	3,531.0	30.5	29.4	31.5
32	LOS ANGELES	424,927	12,978.0	30.5	30.0	31.1
33	SACRAMENTO	55,771	1,745.7	31.3	29.8	32.8
34	SUTTER	4,002	127.0	31.7	26.2	37.3
	CALIFORNIA	1,488,207	47,547.3	31.9	31.7	32.2
35	VENTURA	31,895	1,036.0	32.5	30.5	34.5
36	SANTA CRUZ	8,847	291.3	32.9	29.1	36.7
37	RIVERSIDE	96,752	3,325.7	34.4	33.2	35.5
38	MENDOCINO	3,095	108.3	35.0	28.4	41.6
39	SISKIYOU	1,561	55.7	35.7	26.9	46.3
40	STANISLAUS	24,042	881.3	36.7	34.2	39.1
41	SAN JOAQUIN	31,635	1,181.3	37.3	35.2	39.5
42	MODOC	374	14.7	39.2 *	21.8	65.0
43	SANTA BARBARA	16,654	662.0	39.8	36.7	42.8
44	YUBA	3,355	136.3	40.6	33.8	47.5
45	SAN BERNARDINO	94,430	3,880.3	41.1	39.8	42.4
46	GLENN	1,215	50.0	41.2	30.5	54.3
47	COLUSA	971	41.0	42.2	30.3	57.3
48	LAKE	2,133	92.7	43.4	35.1	53.2
49	TEHAMA	2,497	110.0	44.1	35.8	52.3
50	MERCED	11,840	560.3	47.3	43.4	51.2
51	FRESNO	40,899	2,119.0	51.8	49.6	54.0
52	DEL NORTE	1,039	54.0	52.0	39.0	67.8
53	MONTEREY	15,752	822.7	52.2	48.7	55.8
54	MADERA	6,465	339.7	52.5	47.0	58.1
55	IMPERIAL	8,177	452.3	55.3	50.2	60.4
56	KINGS	6,135	339.7	55.4	49.5	61.3
57	KERN	35,641	2,140.7	60.1	57.5	62.6
58	TULARE	20,036	1,207.3	60.3	56.9	63.7

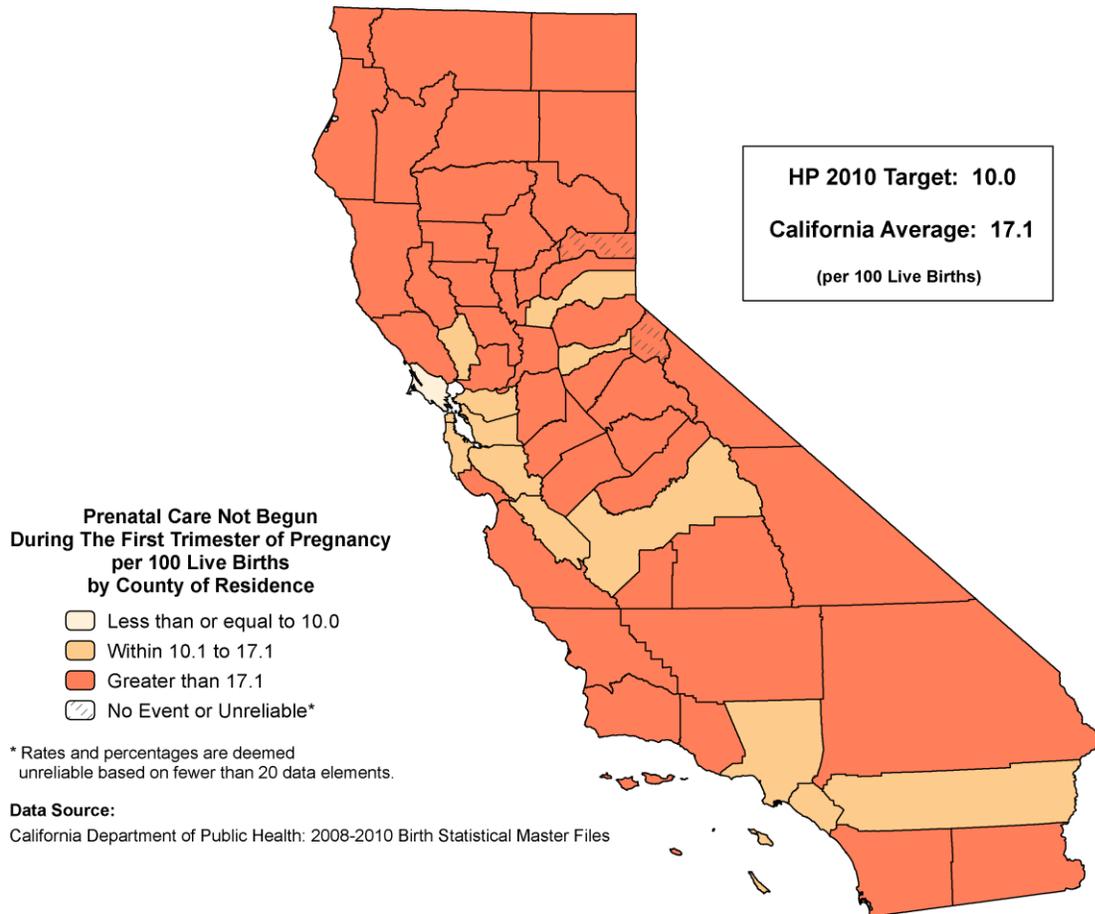
* Rates are deemed unreliable based on fewer than 20 data elements.

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

Sources: California Department of Public Health: 2008-2010 Birth Statistical Master Files.

State of California Department of Finance: 2009 Population Estimates with Age, Sex and Race/Ethnic Detail. July 2007.

PRENATAL CARE NOT BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY, 2008-2010



The ratio of births to mothers with prenatal care not begun during the first trimester of pregnancy for California was 17.1 per 100 live births. The 17.1 percentage was based on a 2008 through 2010 three-year average number of births to mothers with prenatal care not begun during the first trimester of pregnancy equaling 88,586.3 and live births of 518,691.7.

Among counties with reliable percentages, the percent of births to mothers with prenatal care not begun during the first trimester of pregnancy ranged from 43.3 in Imperial County to 5.7 in Marin County, a factor of 7.7 to 1.

One county with a reliable percentage met the Healthy People 2010 National Objective 16-6a of reducing the percentage of mothers with prenatal care not begun during the first trimester of pregnancy to no more than 10.0 percent of total births. The statewide percentage of mothers with prenatal care not begun during the first trimester of pregnancy 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, 2008-2010**

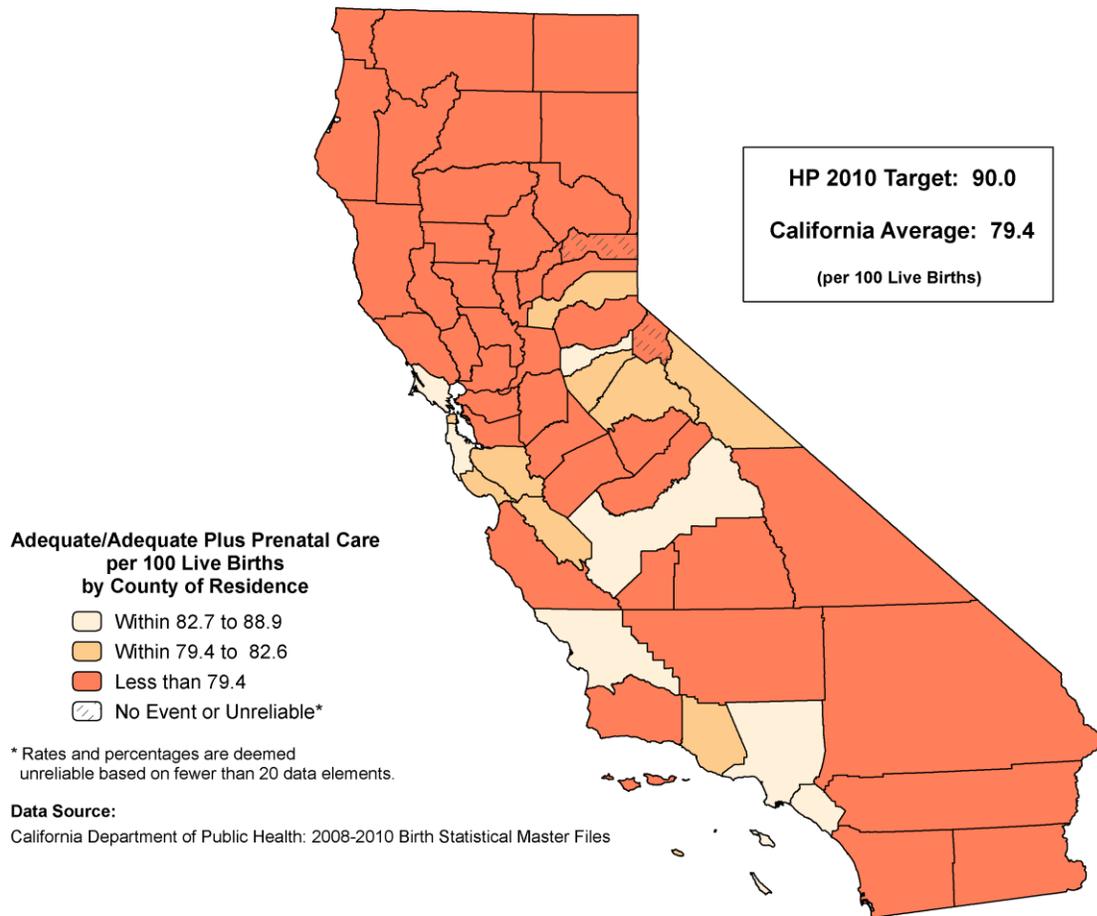
RANK ORDER	COUNTY OF RESIDENCE	2008-2010 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	LATE / NO PRENATAL CARE		LOWER	UPPER
			NUMBER	PERCENT		
1	MARIN	2,512.7	142.0	5.7	4.7	6.6
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-6a)				10.0		
2	SAN MATEO	9,433.7	1,032.0	10.9	10.3	11.6
3	ORANGE	40,109.3	4,464.3	11.1	10.8	11.5
4	FRESNO	15,347.7	1,767.0	11.5	11.0	12.0
5	SAN BENITO	759.7	91.7	12.1	9.7	14.8
6	AMADOR	282.7	34.7	12.3	8.5	17.1
7	SAN FRANCISCO	8,850.7	1,169.0	13.2	12.5	14.0
8	ALAMEDA	20,051.7	2,696.0	13.4	12.9	14.0
9	LOS ANGELES	135,799.0	18,971.0	14.0	13.8	14.2
10	PLACER	3,866.7	590.3	15.3	14.0	16.5
11	SANTA CLARA	25,095.7	3,969.0	15.8	15.3	16.3
12	RIVERSIDE	30,844.0	5,007.7	16.2	15.8	16.7
13	NAPA	1,601.0	264.3	16.5	14.5	18.5
14	CONTRA COSTA	12,606.0	2,116.7	16.8	16.1	17.5
	CALIFORNIA	518,691.7	88,586.3	17.1	17.0	17.2
15	SAN DIEGO	45,444.7	8,135.3	17.9	17.5	18.3
16	SAN BERNARDINO	31,972.3	5,734.0	17.9	17.5	18.4
17	SONOMA	5,562.7	1,019.3	18.3	17.2	19.4
18	SANTA CRUZ	3,264.3	615.3	18.9	17.4	20.3
19	SACRAMENTO	20,034.7	3,847.7	19.2	18.6	19.8
20	VENTURA	11,511.3	2,254.3	19.6	18.8	20.4
21	TUOLUMNE	463.0	92.0	19.9	16.0	24.4
22	INYO	216.3	43.7	20.2	14.6	27.1
23	SISKIYOU	463.0	94.3	20.4	16.5	24.9
24	HUMBOLDT	1,537.7	313.3	20.4	18.1	22.6
25	CALAVERAS	349.7	71.7	20.5	16.0	25.8
26	SIERRA	20.7	4.3	21.0 *	6.1	51.9
27	SAN LUIS OBISPO	2,655.0	565.0	21.3	19.5	23.0
28	YOLO	2,493.3	534.0	21.4	19.6	23.2
29	EL DORADO	1,703.0	372.3	21.9	19.6	24.1
30	NEVADA	802.7	181.0	22.5	19.3	25.8
31	STANISLAUS	7,990.7	1,810.3	22.7	21.6	23.7
32	SOLANO	5,306.3	1,203.7	22.7	21.4	24.0
33	TULARE	8,253.7	1,903.7	23.1	22.0	24.1
34	PLUMAS	157.0	37.0	23.6	16.6	32.5
35	MONO	151.7	37.0	24.4	17.2	33.6
36	KERN	13,966.7	3,463.7	24.8	24.0	25.6
37	ALPINE	6.7	1.7	25.0 *	2.2	100.0
38	KINGS	2,564.7	641.3	25.0	23.1	26.9
39	MONTEREY	6,975.0	1,771.7	25.4	24.2	26.6
40	SAN JOAQUIN	10,646.7	2,714.3	25.5	24.5	26.5
41	MADERA	2,342.3	604.7	25.8	23.8	27.9
42	LASSEN	289.0	77.0	26.6	21.0	33.3
43	MARIPOSA	141.0	37.7	26.7	18.9	36.7
44	MODOC	94.0	25.3	27.0	17.5	39.7
45	SANTA BARBARA	5,923.7	1,616.0	27.3	26.0	28.6
46	BUTTE	2,424.3	671.0	27.7	25.6	29.8
47	SHASTA	2,036.0	633.7	31.1	28.7	33.5
48	MENDOCINO	1,092.7	346.0	31.7	28.3	35.0
49	GLENN	435.0	138.0	31.7	26.4	37.0
50	LAKE	710.7	235.0	33.1	28.8	37.3
51	COLUSA	354.0	119.3	33.7	27.7	39.8
52	TEHAMA	779.0	267.3	34.3	30.2	38.4
53	DEL NORTE	335.3	118.3	35.3	28.9	41.6
54	MERCED	4,219.3	1,514.7	35.9	34.1	37.7
55	YUBA	1,235.0	466.0	37.7	34.3	41.2
56	SUTTER	1,410.3	557.7	39.5	36.3	42.8
57	TRINITY	112.0	45.3	40.5	29.6	54.1
58	IMPERIAL	3,084.3	1,335.7	43.3	41.0	45.6

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

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: 2008-2010 Birth Statistical Master Files

**ADEQUATE/ADEQUATE PLUS PRENATAL CARE
(ADEQUACY OF PRENATAL CARE UTILIZATION INDEX), 2008-2010**



The ratio of births to mothers with adequate/adequate plus prenatal care for California was 79.4 per 100 live births. The 79.4 percentage was based on a 2008 through 2010 three-year average number of births to mothers with adequate/adequate plus prenatal care equaling 405,119.7 and live births of 510,202.0.

Among counties with reliable percentages, the percent of births to mothers with adequate/adequate plus prenatal care ranged from 88.9 in Amador County to 55.5 in Imperial 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 'ADEQUATE/ADEQUATE PLUS' PRENATAL CARE
CALIFORNIA COUNTIES, 2008-2010

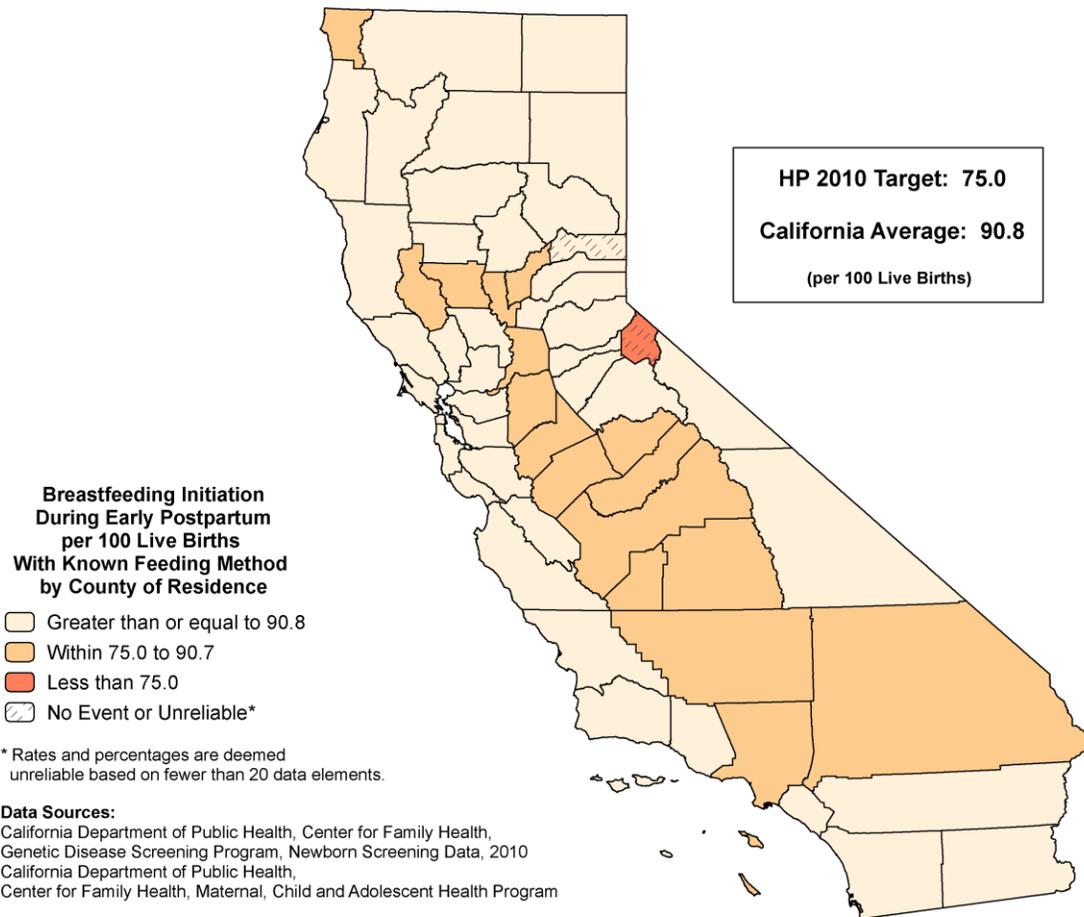
RANK ORDER	COUNTY OF RESIDENCE	2008-2010 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	ADEQUATE / ADEQUATE PLUS CARE		LOWER	UPPER
			NUMBER	PERCENT		
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-6b)				90.0		
1	AMADOR	282.0	250.7	88.9	77.9	99.9
2	FRESNO	14,493.7	12,773.0	88.1	86.6	89.7
3	ORANGE	39,612.3	34,666.0	87.5	86.6	88.4
4	MARIN	2,508.0	2,156.0	86.0	82.3	89.6
5	SAN LUIS OBISPO	2,619.0	2,215.3	84.6	81.1	88.1
6	SAN MATEO	9,426.7	7,931.7	84.1	82.3	86.0
7	LOS ANGELES	133,312.7	111,377.7	83.5	83.1	84.0
8	SANTA CRUZ	3,185.3	2,635.3	82.7	79.6	85.9
9	MONO	149.7	122.0	81.5	67.0	96.0
10	VENTURA	11,499.3	9,358.7	81.4	79.7	83.0
11	SAN BENITO	758.0	614.7	81.1	74.7	87.5
12	SAN FRANCISCO	8,839.7	7,163.3	81.0	79.2	82.9
13	PLACER	3,864.7	3,127.7	80.9	78.1	83.8
14	TUOLUMNE	462.0	369.3	79.9	71.8	88.1
15	SANTA CLARA	25,062.0	19,961.7	79.6	78.5	80.8
16	CALAVERAS	347.3	276.3	79.6	70.2	88.9
	CALIFORNIA	510,202.0	405,119.7	79.4	79.2	79.6
17	RIVERSIDE	28,919.7	22,946.0	79.3	78.3	80.4
18	ALAMEDA	19,999.0	15,771.3	78.9	77.6	80.1
19	GLENN	422.3	330.3	78.2	69.8	86.7
20	SANTA BARBARA	5,814.0	4,543.3	78.1	75.9	80.4
21	SACRAMENTO	19,930.7	15,488.7	77.7	76.5	78.9
22	DEL NORTE	333.0	258.0	77.5	68.0	86.9
23	YOLO	2,487.7	1,924.3	77.4	73.9	80.8
24	COLUSA	352.7	272.3	77.2	68.0	86.4
25	HUMBOLDT	1,516.0	1,169.3	77.1	72.7	81.6
26	TULARE	8,195.3	6,284.7	76.7	74.8	78.6
27	NEVADA	801.0	610.3	76.2	70.2	82.2
28	SISKIYOU	462.0	352.0	76.2	68.2	84.1
29	SAN BERNARDINO	31,825.3	24,144.3	75.9	74.9	76.8
30	CONTRA COSTA	12,575.0	9,534.3	75.8	74.3	77.3
31	NAPA	1,592.0	1,202.3	75.5	71.3	79.8
32	SONOMA	5,541.0	4,159.0	75.1	72.8	77.3
33	BUTTE	2,395.0	1,796.7	75.0	71.5	78.5
34	EL DORADO	1,692.0	1,264.0	74.7	70.6	78.8
35	MENDOCINO	1,085.3	809.3	74.6	69.4	79.7
36	SUTTER	1,408.7	1,048.7	74.4	69.9	78.9
37	SHASTA	1,995.0	1,477.7	74.1	70.3	77.8
38	SAN DIEGO	45,385.7	33,615.7	74.1	73.3	74.9
39	MONTEREY	6,951.7	5,113.0	73.6	71.5	75.6
40	KINGS	2,534.0	1,858.3	73.3	70.0	76.7
41	INYO	215.7	157.3	73.0	61.6	84.4
42	TEHAMA	772.3	556.0	72.0	66.0	78.0
43	YUBA	1,232.3	884.0	71.7	67.0	76.5
44	MADERA	2,293.3	1,633.7	71.2	67.8	74.7
45	STANISLAUS	7,816.7	5,551.7	71.0	69.2	72.9
46	SAN JOAQUIN	10,177.0	7,224.0	71.0	69.3	72.6
47	PLUMAS	154.7	109.7	70.9	57.6	84.2
48	MARIPOSA	137.0	97.0	70.8	57.4	86.4
49	KERN	13,061.7	9,243.7	70.8	69.3	72.2
50	LAKE	706.0	493.3	69.9	63.7	76.0
51	SIERRA	20.7	14.3	69.4 *	38.2	100.0
52	SOLANO	5,296.0	3,607.0	68.1	65.9	70.3
53	LASSEN	281.0	186.7	66.4	56.9	76.0
54	MERCED	4,116.7	2,559.0	62.2	59.8	64.6
55	MODOC	93.3	55.7	59.6	45.0	77.5
56	TRINITY	109.3	64.7	59.1	45.6	75.4
57	IMPERIAL	3,075.3	1,705.3	55.5	52.8	58.1
58	ALPINE	6.7	3.3	50.0 *	11.5	100.0

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

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

Source: California Department of Public Health: 2008-2010 Birth Statistical Master Files

BREASTFEEDING INITIATION DURING EARLY POSTPARTUM, 2010



The percentage of breastfed infants in California was 90.8 where the feeding method was known. This percentage was based on 2010 single year data with 397,171 breastfed infants and 437,344 births with a known feeding method.

Among counties with reliable percentages, the percent of breastfed infants ranged from 98.8 in Trinity County and 78.7 in Kings County, a factor of 1.3 to 1.

Fifty-six counties with reliable percentages and California as a whole met the Healthy People 2010 National Objective 16-19a of increasing the proportion of breastfeeding mothers in the early postpartum period to 75.0 percent of total births. An additional county with an unreliable rate met the objective.

**TABLE 28
BREASTFEEDING INITIATION DURING EARLY POSTPARTUM
RANKED BY BREASTFEEDING INITIATION PERCENTAGE
CALIFORNIA COUNTIES, 2010**

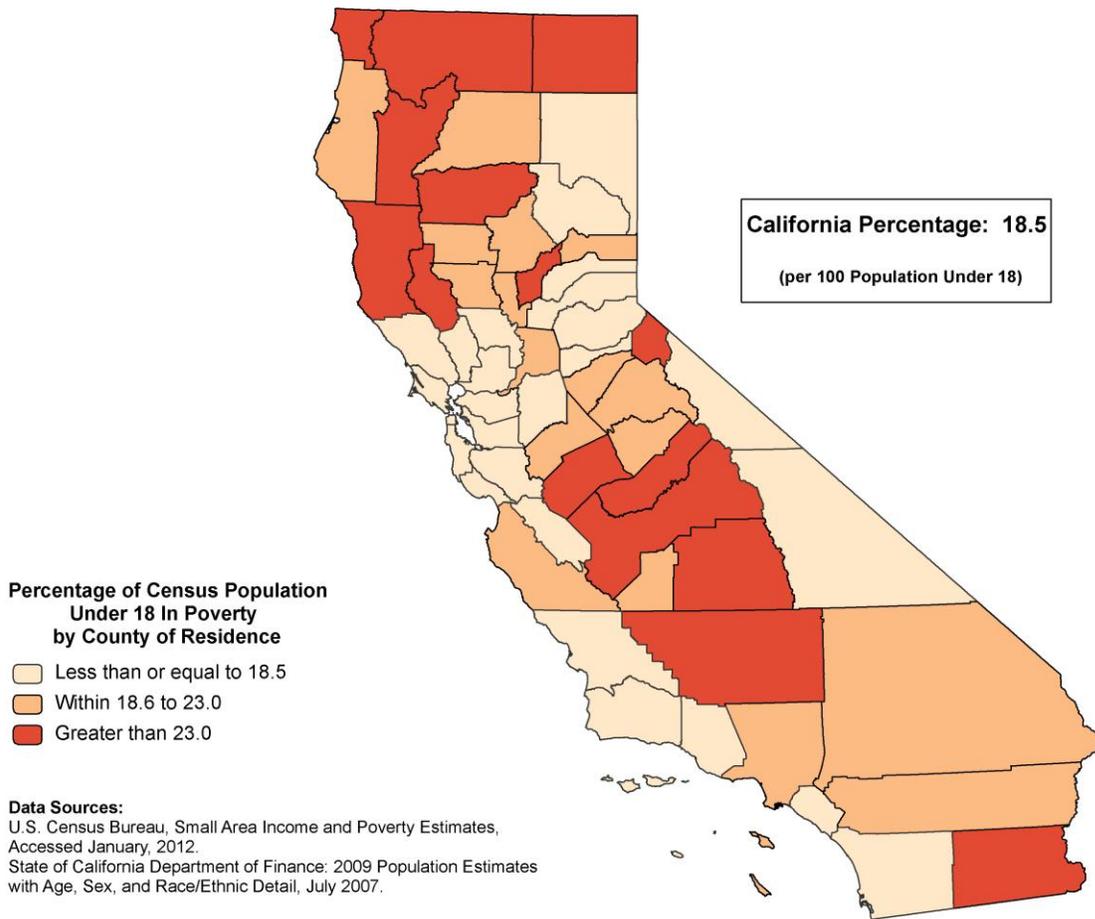
RANK ORDER	COUNTY OF RESIDENCE	2010 BIRTHS WITH KNOWN FEEDING METHOD			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	BREASTFED		LOWER	UPPER
			NUMBER	PERCENT		
1	SIERRA	8	8	100.0 *	43.2	100.0
2	TRINITY	85	84	98.8	78.8	100.0
3	MARIN	1,999	1,970	98.5	94.2	100.0
4	SANTA CRUZ	2,602	2,554	98.2	94.3	100.0
5	MONO	127	124	97.6	80.5	100.0
6	SONOMA	4,641	4,498	96.9	94.1	99.8
7	SAN MATEO	7,933	7,676	96.8	94.6	98.9
8	SANTA CLARA	20,612	19,875	96.4	95.1	97.8
9	SAN LUIS OBISPO	2,446	2,353	96.2	92.3	100.0
10	SAN FRANCISCO	7,578	7,281	96.1	93.9	98.3
11	NAPA	1,221	1,173	96.1	90.6	100.0
12	MONTEREY	5,490	5,273	96.0	93.5	98.6
13	ALAMEDA	16,132	15,463	95.9	94.3	97.4
14	NEVADA	667	637	95.5	88.1	100.0
15	SAN BENITO	559	533	95.3	87.3	100.0
16	SANTA BARBARA	5,073	4,828	95.2	92.5	97.9
17	INYO	165	157	95.2	80.3	100.0
18	PLUMAS	101	96	95.0	77.0	100.0
19	CONTRA COSTA	10,497	9,972	95.0	93.1	96.9
20	EL DORADO	1,375	1,306	95.0	89.8	100.0
21	MENDOCINO	862	817	94.8	88.3	100.0
22	HUMBOLDT	1,338	1,267	94.7	89.5	99.9
23	VENTURA	9,647	9,129	94.6	92.7	96.6
24	YOLO	2,237	2,115	94.5	90.5	98.6
25	SAN DIEGO	34,813	32,886	94.5	93.4	95.5
26	PLACER	3,262	3,081	94.5	91.1	97.8
27	TUOLUMNE	446	418	93.7	84.7	100.0
28	CALAVERAS	299	280	93.6	82.7	100.0
29	GLENN	393	368	93.6	84.1	100.0
30	SHASTA	1,733	1,622	93.6	89.0	98.1
31	LASSEN	235	219	93.2	80.8	100.0
32	SOLANO	3,943	3,660	92.8	89.8	95.8
33	ORANGE	34,550	32,049	92.8	91.7	93.8
34	AMADOR	238	218	91.6	79.4	100.0
35	TEHAMA	804	735	91.4	84.8	98.0
36	BUTTE	2,156	1,965	91.1	87.1	95.2
37	IMPERIAL	2,655	2,419	91.1	87.5	94.7
38	MODOC	45	41	91.1	65.4	100.0
39	SISKIYOU	291	265	91.1	80.1	100.0
40	RIVERSIDE	26,055	23,716	91.0	89.9	92.2
	CALIFORNIA	437,344	397,171	90.8	90.5	91.1
41	LAKE	578	524	90.7	82.9	98.4
42	MARIPOSA	119	107	89.9	72.9	100.0
43	MADERA	2,108	1,888	89.6	85.5	93.6
44	LOS ANGELES	117,276	104,629	89.2	88.7	89.8
45	SACRAMENTO	17,746	15,786	89.0	87.6	90.3
46	SUTTER	1,186	1,039	87.6	82.3	92.9
47	MERCED	3,657	3,199	87.5	84.4	90.5
48	DEL NORTE	287	251	87.5	76.6	98.3
49	SAN JOAQUIN	8,545	7,387	86.4	84.5	88.4
50	COLUSA	245	210	85.7	74.1	97.3
51	STANISLAUS	6,837	5,853	85.6	83.4	87.8
52	SAN BERNARDINO	26,452	22,589	85.4	84.3	86.5
53	YUBA	1,028	876	85.2	79.6	90.9
54	KERN	12,576	10,587	84.2	82.6	85.8
55	FRESNO	14,171	11,665	82.3	80.8	83.8
56	TULARE	7,299	5,939	81.4	79.3	83.4
57	KINGS	1,918	1,509	78.7	74.7	82.6
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-19a)			75.0		
58	ALPINE	3	2	66.7 *	8.1	100.0

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

Note: Counties were rank ordered first by decreasing breastfed percentage (calculated to 15 decimal places), second by decreasing number of births.

Sources: California Department of Public Health, Center for Family Health, Genetic Disease Screening Program, Newborn Screening Data, 2010.
California Department of Public Health, Center for Family Health, Maternal, Child and Adolescent Health Program.

PERSONS UNDER 18 IN POVERTY, 2009



The ratio of persons under age 18 in poverty in California was 18.5 per 100 population under age 18. The 18.5 percentage was based on the U.S. Census Bureau, American Community Survey 2009 estimate and, California Department of Finance population counts.

All counties demonstrated reliable percentages of persons less than 18 years of age in poverty. The percents ranged from 33.5 in Lake County to 8.0 in Marin County, a factor of 4.2 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, 2009**

RANK ORDER	COUNTY OF RESIDENCE	UNDER 18			95% CONFIDENCE LIMITS	
		2009 POPULATION	IN POVERTY		LOWER	UPPER
			NUMBER	PERCENT		
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE		
1	MARIN	53,513	4,296	8.0	7.8	8.3
2	PLACER	84,654	7,743	9.1	8.9	9.4
3	SAN MATEO	162,870	15,056	9.2	9.1	9.4
4	SONOMA	117,990	12,445	10.5	10.4	10.7
5	SANTA CLARA	451,611	48,183	10.7	10.6	10.8
6	NAPA	35,277	3,813	10.8	10.5	11.2
7	EL DORADO	39,778	4,424	11.1	10.8	11.4
8	MONO	3,001	349	11.6	10.4	12.8
9	CONTRA COSTA	253,468	31,930	12.6	12.5	12.7
10	ALAMEDA	361,074	47,805	13.2	13.1	13.4
11	SAN LUIS OBISPO	53,526	7,088	13.2	12.9	13.6
12	SAN FRANCISCO	119,130	16,221	13.6	13.4	13.8
13	SOLANO	108,533	14,917	13.7	13.5	14.0
14	VENTURA	214,841	30,097	14.0	13.9	14.2
15	ORANGE	800,097	112,156	14.0	13.9	14.1
16	YOLO	48,195	7,007	14.5	14.2	14.9
17	NEVADA	18,216	2,704	14.8	14.3	15.4
18	SAN DIEGO	807,600	122,455	15.2	15.1	15.2
19	AMADOR	6,485	990	15.3	14.3	16.2
20	SANTA CRUZ	57,353	9,077	15.8	15.5	16.2
21	SAN BENITO	17,962	2,960	16.5	15.9	17.1
22	LASSEN	6,789	1,153	17.0	16.0	18.0
23	SAN JOAQUIN	235,268	41,045	17.4	17.3	17.6
24	SANTA BARBARA	105,127	18,758	17.8	17.6	18.1
25	PLUMAS	3,857	695	18.0	16.7	19.4
26	INYO	3,870	702	18.1	16.8	19.5
	CALIFORNIA	9,992,333	1,846,993	18.5	18.5	18.5
27	RIVERSIDE	614,983	114,807	18.7	18.6	18.8
28	SUTTER	29,811	5,585	18.7	18.2	19.2
29	CALAVERAS	8,014	1,535	19.2	18.2	20.1
30	STANISLAUS	172,366	33,199	19.3	19.1	19.5
31	TUOLUMNE	9,656	1,901	19.7	18.8	20.6
32	COLUSA	6,475	1,287	19.9	18.8	21.0
33	SIERRA	555	112	20.2	16.4	23.9
34	SACRAMENTO	377,245	76,716	20.3	20.2	20.5
35	LOS ANGELES	2,758,141	561,661	20.4	20.3	20.4
36	BUTTE	48,097	10,398	21.6	21.2	22.0
37	MARIPOSA	3,020	659	21.8	20.2	23.5
38	SHASTA	42,490	9,275	21.8	21.4	22.3
39	HUMBOLDT	27,462	6,005	21.9	21.3	22.4
40	MONTEREY	120,841	26,723	22.1	21.8	22.4
41	KINGS	45,515	10,256	22.5	22.1	23.0
42	SAN BERNARDINO	609,585	139,488	22.9	22.8	23.0
43	GLENN	8,078	1,860	23.0	22.0	24.1
44	MENDOCINO	20,440	4,885	23.9	23.2	24.6
45	YUBA	22,980	5,807	25.3	24.6	25.9
46	SISKIYOU	9,494	2,433	25.6	24.6	26.6
47	MODOC	2,103	541	25.7	23.6	27.9
48	TRINITY	2,787	755	27.1	25.2	29.0
49	TEHAMA	15,059	4,256	28.3	27.4	29.1
50	KERN	256,241	73,530	28.7	28.5	28.9
51	ALPINE	226	65	28.8	22.2	36.7
52	FRESNO	278,530	82,440	29.6	29.4	29.8
53	MADERA	43,172	13,030	30.2	29.7	30.7
54	DEL NORTE	6,330	1,943	30.7	29.3	32.1
55	IMPERIAL	47,800	14,986	31.4	30.8	31.9
56	MERCED	81,370	26,559	32.6	32.2	33.0
57	TULARE	140,493	45,909	32.7	32.4	33.0
58	LAKE	12,889	4,318	33.5	32.5	34.5

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. Accessed January, 2012.

State of California Department of Finance: 2009 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, 2005-2010**

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ALL CANCERS (THREE-YEAR AVERAGES)		COLORECTAL CANCER (THREE-YEAR AVERAGES)		LUNG CANCER (THREE-YEAR AVERAGES)	
	2005-2007	2008-2010	2005-2007	2008-2010	2005-2007	2008-2010
CALIFORNIA	159.3	151.7	15.1	14.1	39.2	36.1
ALAMEDA	154.3	147.5	15.7	14.1	37.5	34.5
ALPINE	16.2 *	83.3 *	-	20.2 *	-	18.8 *
AMADOR	164.6	159.9	14.4 *	10.6 *	46.6	42.9
BUTTE	195.8	180.4	15.7	14.1	56.3	46.6
CALAVERAS	150.7	141.6	12.7 *	14.9 *	40.6	39.2
COLUSA	139.7	144.8	11.8 *	8.7 *	44.6 *	53.1 *
CONTRA COSTA	164.9	152.4	16.9	15.1	39.5	35.2
DEL NORTE	206.5	203.6	15.4 *	17.4 *	66.8	60.7
EL DORADO	157.9	154.6	13.8	14.1	42.1	38.3
FRESNO	164.9	156.4	14.7	14.0	41.9	38.8
GLENN	158.9	156.2	19.9 *	7.9 *	45.6 *	48.0 *
HUMBOLDT	200.5	184.7	17.1	16.8	57.2	44.6
IMPERIAL	146.7	126.2	15.3	10.1 *	31.9	28.0
INYO	175.0	122.8	16.7 *	13.6 *	58.8 *	28.8 *
KERN	183.3	167.9	16.3	14.2	47.2	45.1
KINGS	183.5	152.1	19.6 *	11.0 *	49.0	37.2
LAKE	199.1	165.9	19.3 *	11.8 *	61.5	51.5
LASSEN	130.8	118.9	10.3 *	8.5 *	37.2 *	30.4 *
LOS ANGELES	149.2	141.5	14.9	13.8	33.4	30.9
MADERA	145.3	140.1	15.0	15.1	34.0	33.8
MARIN	147.2	141.1	10.2	13.1	32.6	31.4
MARIPOSA	176.8	138.8	14.9 *	4.9 *	60.0 *	48.3 *
MENDOCINO	163.4	166.9	17.3 *	16.0 *	40.9	42.0
MERCED	164.8	155.6	13.2	15.9	48.2	43.3
MODOC	148.8	141.9	20.9 *	18.0 *	38.3 *	46.6 *
MONO	81.0 *	59.2 *	14.6 *	5.1 *	20.3 *	13.8 *
MONTEREY	137.0	129.9	11.8	9.4	34.7	31.4
NAPA	180.2	175.8	14.5	17.5	50.6	41.1
NEVADA	159.5	144.6	15.3	12.1 *	37.6	33.3
ORANGE	151.7	146.1	14.2	12.8	36.5	34.5
PLACER	163.0	167.9	14.3	13.8	42.3	38.8
PLUMAS	164.7	134.8	14.1 *	15.8 *	46.0 *	35.9 *
RIVERSIDE	175.1	174.3	16.0	18.3	44.9	44.5
SACRAMENTO	172.2	167.0	15.5	14.8	47.5	44.6
SAN BENITO	134.0	152.4	7.2 *	13.1 *	27.8 *	34.4 *
SAN BERNARDINO	175.8	160.0	16.7	16.0	43.8	38.6
SAN DIEGO	166.2	159.0	15.3	13.8	39.8	37.6
SAN FRANCISCO	155.3	145.0	15.6	14.0	38.6	35.3
SAN JOAQUIN	180.2	164.4	16.5	13.3	49.1	46.0
SAN LUIS OBISPO	151.4	154.2	10.7	13.1	43.8	37.0
SAN MATEO	154.0	147.1	15.7	14.0	37.2	33.0
SANTA BARBARA	141.3	144.4	11.9	11.5	33.5	33.5
SANTA CLARA	138.5	129.4	12.7	12.4	31.8	27.5
SANTA CRUZ	166.7	160.3	14.0	13.1	37.9	35.1
SHASTA	200.6	199.0	15.6	17.1	62.6	56.8
SIERRA	123.3 *	86.8 *	13.9 *	4.5 *	30.3 *	24.6 *
SISKIYOU	186.3	182.6	18.9 *	16.6 *	56.4	53.9
SOLANO	183.7	175.3	18.3	16.5	50.3	44.8
SONOMA	184.0	180.0	18.7	15.7	48.7	45.1
STANISLAUS	177.0	163.1	18.5	16.9	49.1	44.0
SUTTER	155.4	155.9	11.3 *	12.7 *	45.3	50.3
TEHAMA	205.0	180.0	16.5 *	16.2 *	66.2	50.0
TRINITY	164.7	182.1	9.6 *	8.9 *	56.0 *	59.6 *
TULARE	161.0	155.1	14.0	13.5	44.9	41.8
TUOLUMNE	157.1	142.8	12.6 *	11.3 *	34.9	41.1
VENTURA	149.6	150.6	14.4	15.1	35.8	34.2
YOLO	171.2	158.2	17.1	14.7	50.3	37.2
YUBA	203.9	180.3	17.1 *	15.3 *	71.5	59.0

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

- Rates are not calculated for zero events.

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

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2005-2010

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	FEMALE BREAST CANCER (THREE-YEAR AVERAGES)		PROSTATE CANCER (THREE-YEAR AVERAGES)		DIABETES (THREE-YEAR AVERAGES)	
	2005-2007	2008-2010	2005-2007	2008-2010	2005-2007	2008-2010
CALIFORNIA	21.7	20.7	22.5	21.2	21.9	19.5
ALAMEDA	22.3	19.7	21.6	23.2	21.4	20.0
ALPINE	-	-	-	25.8 *	16.7 *	37.6 *
AMADOR	19.3 *	29.5 *	15.6 *	17.0 *	11.3 *	10.3 *
BUTTE	23.1	25.8	26.0	29.7	16.5	17.3
CALAVERAS	19.2 *	22.0 *	22.6 *	16.1 *	8.8 *	13.4 *
COLUSA	6.1 *	22.0 *	14.5 *	21.1 *	14.8 *	5.1 *
CONTRA COSTA	23.5	20.8	22.7	21.8	19.2	16.0
DEL NORTE	21.9 *	26.9 *	18.5 *	26.2 *	21.1 *	18.2 *
EL DORADO	17.9	20.8	20.7 *	18.4 *	13.4	11.3
FRESNO	21.2	18.7	24.8	19.5	33.2	28.6
GLENN	8.2 *	19.0 *	26.2 *	21.0 *	30.7 *	21.5 *
HUMBOLDT	27.8	25.1	23.1 *	25.5 *	20.9	24.2
IMPERIAL	18.7 *	16.8 *	16.2 *	22.5 *	32.1	26.9
INYO	11.2 *	23.2 *	18.4 *	25.1 *	20.9 *	10.9 *
KERN	24.4	21.8	30.1	25.1	34.2	31.2
KINGS	25.1 *	22.5 *	25.8 *	22.5 *	35.4	32.6
LAKE	16.8 *	21.7 *	26.0 *	18.9 *	17.0 *	14.7 *
LASSEN	27.9 *	10.4 *	22.6 *	8.8 *	25.6 *	18.9 *
LOS ANGELES	21.5	20.2	21.3	20.3	24.2	20.8
MADERA	20.6 *	12.5 *	26.7 *	18.5 *	24.2	15.2
MARIN	23.1	19.2	18.8	22.6	9.6	8.8
MARIPOSA	27.8 *	16.3 *	24.1 *	21.7 *	21.7 *	11.4 *
MENDOCINO	21.8 *	26.4 *	21.0 *	18.6 *	19.2	14.9 *
MERCED	24.2	15.6 *	22.2 *	20.1 *	28.3	24.3
MODOC	34.6 *	8.7 *	24.3 *	4.7 *	17.1 *	10.7 *
MONO	13.6 *	13.5 *	11.3 *	17.4 *	5.4 *	3.0 *
MONTEREY	17.5	18.1	19.6	19.4	17.4	16.0
NAPA	21.8	19.1 *	26.4 *	24.2 *	17.3	18.7
NEVADA	24.2 *	20.9 *	22.1 *	18.3 *	13.5 *	11.1 *
ORANGE	19.2	20.6	21.2	21.0	16.9	14.2
PLACER	22.8	25.2	24.1	19.4	16.2	13.2
PLUMAS	14.5 *	20.3 *	20.3 *	19.0 *	15.4 *	17.1 *
RIVERSIDE	24.2	23.7	25.9	24.4	22.7	20.7
SACRAMENTO	22.8	20.7	21.6	21.7	20.3	19.1
SAN BENITO	16.7 *	23.9 *	6.5 *	16.7 *	15.8 *	14.9 *
SAN BERNARDINO	25.3	22.8	30.0	24.2	30.7	30.3
SAN DIEGO	22.0	22.1	25.2	24.4	20.6	18.9
SAN FRANCISCO	18.5	16.4	15.6	15.0	12.3	10.6
SAN JOAQUIN	24.8	21.2	24.7	20.6	36.0	29.9
SAN LUIS OBISPO	21.1	20.4	19.7	20.0	13.0	12.2
SAN MATEO	21.7	19.8	21.2	19.1	13.3	11.4
SANTA BARBARA	20.5	16.8	21.7	21.4	16.1	15.0
SANTA CLARA	18.5	17.7	17.7	14.7	21.1	21.0
SANTA CRUZ	26.8	25.7	23.1 *	21.3 *	17.0	19.5
SHASTA	22.9	21.1	20.1 *	27.6	13.6	13.3
SIERRA	8.2 *	9.2 *	11.2 *	11.5 *	13.3 *	11.2 *
SISKIYOU	18.8 *	22.5 *	25.5 *	29.3 *	22.6 *	21.6 *
SOLANO	22.2	23.5	23.2	25.4	31.4	25.3
SONOMA	22.8	26.8	26.0	25.5	18.4	16.5
STANISLAUS	23.4	20.7	25.0	20.6	24.9	22.4
SUTTER	22.0 *	19.8 *	27.4 *	22.9 *	19.3 *	15.8 *
TEHAMA	26.9 *	19.0 *	29.1 *	24.4 *	19.3 *	16.1 *
TRINITY	8.4 *	18.6 *	26.8 *	17.3 *	15.8 *	5.7 *
TULARE	18.9	18.9	22.1	20.2	34.1	23.8
TUOLUMNE	20.6 *	15.0 *	23.0 *	17.0 *	14.9 *	12.4 *
VENTURA	18.7	22.2	22.0	22.3	19.7	16.8
YOLO	20.0 *	23.3	28.6 *	18.7 *	20.9	18.2
YUBA	25.6 *	14.8 *	20.0 *	19.0 *	17.4 *	16.4 *

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

- Rates are not calculated for zero events.

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

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2005-2010

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ALZHEIMER'S DISEASE (THREE-YEAR AVERAGES)		CORONARY HEART DISEASE (THREE-YEAR AVERAGES)		CEREBROVASCULAR DISEASE (STROKE) (THREE-YEAR AVERAGES)	
	2005-2007	2008-2010	2005-2007	2008-2010	2005-2007	2008-2010
CALIFORNIA	24.0	28.2	145.2	121.6	43.5	37.4
ALAMEDA	17.8	22.5	125.6	98.3	43.9	38.0
ALPINE	-	-	46.2 *	46.7 *	-	-
AMADOR	17.8 *	25.8 *	140.0	110.8	44.9	36.4
BUTTE	28.0	41.2	143.5	133.6	52.3	45.4
CALAVERAS	10.1 *	10.8 *	116.5	99.1	30.0	26.7
COLUSA	33.0 *	22.1 *	136.1	96.8	30.7 *	37.7 *
CONTRA COSTA	28.8	32.2	108.5	91.0	48.1	42.0
DEL NORTE	12.7 *	14.2 *	129.2	123.6	52.8 *	45.0 *
EL DORADO	22.4	32.1	114.2	101.9	34.1	26.3
FRESNO	27.9	33.4	159.0	138.3	56.1	48.9
GLENN	24.2 *	15.5 *	134.3	106.8	40.3 *	24.1 *
HUMBOLDT	39.5	31.1	145.3	123.8	62.9	57.0
IMPERIAL	8.8 *	11.8 *	125.8	95.7	37.5	39.3
INYO	2.1 *	1.1 *	149.2	137.4	21.0 *	33.0 *
KERN	37.4	34.5	232.4	166.2	51.3	43.7
KINGS	18.1 *	23.9	156.9	130.6	50.5	45.6
LAKE	16.1 *	19.7	153.8	139.0	54.2	38.5
LASSEN	14.9 *	7.9 *	103.1	100.3	33.5 *	24.4 *
LOS ANGELES	18.1	22.4	160.9	132.8	39.5	34.2
MADERA	29.6	26.6	153.7	138.5	47.5	28.4
MARIN	26.3	33.6	88.8	69.7	40.9	31.4
MARIPOSA	12.8 *	20.5 *	120.9	98.5	50.4 *	31.2 *
MENDOCINO	14.9 *	14.6 *	123.0	130.8	43.9	39.8
MERCED	17.4	22.3	170.6	152.9	58.4	46.5
MODOC	8.9 *	20.2 *	93.9 *	98.4 *	38.0 *	34.1 *
MONO	7.8 *	9.9 *	47.6 *	41.6 *	20.8 *	2.1 *
MONTEREY	13.6	15.8	111.7	93.4	39.5	34.5
NAPA	37.0	30.5	105.5	97.4	49.1	37.2
NEVADA	14.5	19.2	117.9	101.5	53.0	41.0
ORANGE	26.4	32.4	137.1	113.3	41.7	37.2
PLACER	29.9	33.5	121.0	107.2	52.3	40.5
PLUMAS	13.2 *	14.0 *	72.9	88.9	34.1 *	20.0 *
RIVERSIDE	30.6	30.0	174.3	149.0	47.9	41.5
SACRAMENTO	25.0	27.0	155.5	129.5	56.0	40.7
SAN BENITO	13.0 *	13.4 *	96.2	77.8	47.3 *	33.0 *
SAN BERNARDINO	28.1	27.5	197.2	159.0	47.1	41.2
SAN DIEGO	36.1	37.0	125.4	110.5	40.6	35.5
SAN FRANCISCO	15.7	18.6	119.4	101.5	40.2	31.3
SAN JOAQUIN	25.5	32.4	194.1	147.6	50.9	44.4
SAN LUIS OBISPO	15.2	21.4	111.9	85.3	48.3	49.9
SAN MATEO	21.1	29.7	104.0	90.9	39.6	33.9
SANTA BARBARA	18.6	27.2	124.3	117.2	43.5	35.7
SANTA CLARA	28.5	36.4	110.4	89.7	34.1	27.8
SANTA CRUZ	19.4	31.5	113.2	111.8	38.1	39.2
SHASTA	24.5	33.6	161.6	130.7	48.4	47.2
SIERRA	9.5 *	-	87.8 *	95.3 *	23.2 *	38.5 *
SISKIYOU	16.9 *	20.0 *	115.3	116.3	47.6	37.9
SOLANO	37.8	46.3	121.5	102.6	49.3	39.8
SONOMA	31.3	44.0	122.9	116.8	55.8	47.5
STANISLAUS	24.5	37.2	197.1	164.7	47.7	43.7
SUTTER	23.7	23.8	171.1	138.7	38.4	41.2
TEHAMA	30.4	20.7 *	134.4	107.6	48.2	48.2
TRINITY	10.7 *	14.0 *	86.2 *	91.4	36.5 *	25.5 *
TULARE	11.0	15.2	165.0	137.9	51.2	47.7
TUOLUMNE	14.4 *	11.5 *	109.4	93.9	38.5	31.2
VENTURA	23.8	29.1	137.9	119.1	37.7	38.0
YOLO	27.7	40.6	117.1	97.4	52.9	44.6
YUBA	15.7 *	21.1 *	174.5	148.6	48.9	31.0 *

* Rates are deemed unreliable based on fewer than 20 data elements.
- Rates are not calculated for zero events.

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

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2005-2010

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	INFLUENZA/PNEUMONIA (THREE-YEAR AVERAGES)		CHRONIC LOWER RESPIRATORY DISEASE (THREE-YEAR AVERAGES)		CHRONIC LIVER DISEASE AND CIRRHOSIS (THREE-YEAR AVERAGES)	
	2005-2007	2008-2010	2005-2007	2008-2010	2005-2007	2008-2010
CALIFORNIA	21.0	17.2	38.4	36.7	10.6	10.8
ALAMEDA	17.1	15.2	31.0	29.7	9.1	8.4
ALPINE	-	-	37.0 *	-	-	-
AMADOR	23.0 *	23.9 *	39.9	46.4	11.0 *	16.2 *
BUTTE	19.5	15.7	56.2	61.5	12.4	14.0
CALAVERAS	14.4 *	17.3 *	38.0	38.1	12.3 *	8.8 *
COLUSA	11.4 *	13.5 *	57.4 *	43.9 *	6.4 *	8.6 *
CONTRA COSTA	18.8	13.0	36.9	37.6	8.6	8.9
DEL NORTE	15.4 *	16.0 *	71.5	53.0 *	12.3 *	11.5 *
EL DORADO	15.7	13.3	44.3	39.2	10.1	8.1 *
FRESNO	26.0	24.4	42.8	39.2	13.9	13.4
GLENN	15.3 *	18.8 *	53.1 *	45.5 *	10.9 *	12.7 *
HUMBOLDT	21.3	12.6 *	59.3	59.9	14.7	16.7
IMPERIAL	11.0 *	11.4 *	28.6	22.3	15.5	13.6
INYO	13.7 *	9.6 *	45.9 *	42.4 *	23.2 *	21.9 *
KERN	28.4	22.3	69.6	71.4	15.4	13.8
KINGS	17.1 *	17.8 *	51.8	50.6	12.9 *	14.4 *
LAKE	17.5 *	17.0 *	68.6	53.9	22.0 *	23.5
LASSEN	9.1 *	10.4 *	38.8 *	40.2 *	5.0 *	4.7 *
LOS ANGELES	25.3	21.7	32.0	31.3	11.1	11.3
MADERA	15.4	17.7	42.6	41.2	12.0 *	13.2
MARIN	14.3	14.7	29.7	23.5	6.3	7.8
MARIPOSA	15.4 *	12.5 *	44.3 *	39.0 *	6.8 *	13.6 *
MENDOCINO	15.6 *	12.6 *	46.6	47.0	17.7 *	13.8 *
MERCED	15.1	17.5	47.1	44.9	10.6	12.8
MODOC	26.5 *	17.7 *	65.7 *	54.0 *	7.8 *	20.0 *
MONO	8.1 *	2.1 *	-	3.8 *	6.1 *	3.4 *
MONTEREY	14.3	9.8	32.3	29.6	10.0	10.0
NAPA	23.0	18.6	41.5	34.7	9.8 *	12.0 *
NEVADA	17.1	12.7 *	45.3	42.2	7.1 *	9.2 *
ORANGE	21.1	18.5	33.3	32.8	8.9	9.2
PLACER	18.1	12.6	42.7	38.7	7.9	8.2
PLUMAS	14.6 *	7.2 *	50.8 *	48.0 *	11.1 *	5.2 *
RIVERSIDE	16.5	13.1	52.7	48.5	11.9	11.0
SACRAMENTO	25.3	20.8	44.6	41.7	11.0	10.2
SAN BENITO	22.8 *	20.8 *	33.4 *	34.4 *	10.3 *	13.7 *
SAN BERNARDINO	22.2	12.5	59.2	54.3	13.0	11.4
SAN DIEGO	12.8	10.3	38.1	34.7	9.0	9.7
SAN FRANCISCO	24.2	17.1	24.8	21.4	8.7	7.8
SAN JOAQUIN	20.6	15.8	49.9	45.0	14.1	16.8
SAN LUIS OBISPO	12.5	10.8	32.9	36.3	7.5	11.3
SAN MATEO	24.4	21.9	29.0	27.8	8.4	9.6
SANTA BARBARA	15.8	12.0	30.5	30.5	11.1	11.1
SANTA CLARA	19.7	15.2	27.2	24.3	8.2	8.4
SANTA CRUZ	17.3	13.2	40.6	38.7	11.1	14.6
SHASTA	24.1	12.0	68.7	73.5	16.9	13.8
SIERRA	6.7 *	-	14.4 *	38.4 *	12.1 *	21.2 *
SISKIYOU	19.5 *	17.6 *	60.0	45.0	20.4 *	21.7 *
SOLANO	27.3	22.2	45.2	41.4	8.9	10.4
SONOMA	18.5	13.3	38.0	44.0	12.0	11.4
STANISLAUS	25.8	20.0	51.3	45.2	11.1	13.4
SUTTER	27.5	17.5 *	60.5	50.2	9.2 *	13.4 *
TEHAMA	20.0 *	20.8 *	75.1	60.4	17.8 *	15.1 *
TRINITY	15.7 *	14.8 *	50.8 *	31.5 *	25.9 *	18.7 *
TULARE	22.8	22.1	46.9	46.3	15.1	15.6
TUOLUMNE	15.9 *	17.6 *	32.0	37.4	14.5 *	14.4 *
VENTURA	16.6	11.9	36.5	37.3	9.6	9.9
YOLO	36.4	25.1	50.8	48.8	13.3	10.9
YUBA	27.9 *	15.9 *	83.0	51.7	15.6 *	16.9 *

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

- Rates are not calculated for zero events.

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

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2005-2010

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ACCIDENTS (UNINTENTIONAL INJURIES) (THREE-YEAR AVERAGES)		MOTOR VEHICLE TRAFFIC CRASHES (THREE-YEAR AVERAGES)		SUICIDE (THREE-YEAR AVERAGES)	
	2005-2007	2008-2010	2005-2007	2008-2010	2005-2007	2008-2010
CALIFORNIA	30.4	27.1	11.1	7.9	9.0	9.7
ALAMEDA	28.4	21.8	7.5	5.0	7.2	8.7
ALPINE	28.1 *	46.7 *	28.1 *	46.7 *	37.4 *	12.0 *
AMADOR	53.4	57.8	26.3 *	16.8 *	19.0 *	21.5 *
BUTTE	58.5	58.7	19.3	14.6	17.3	18.4
CALAVERAS	43.2	49.9	25.3 *	24.2 *	17.0 *	17.7 *
COLUSA	34.3 *	24.3 *	25.4 *	9.4 *	10.2 *	11.9 *
CONTRA COSTA	27.3	25.6	8.4	6.6	8.6	10.8
DEL NORTE	52.8 *	62.9 *	24.8 *	16.8 *	10.0 *	18.9 *
EL DORADO	47.7	38.2	15.1	7.4 *	16.6	15.3
FRESNO	41.4	38.6	18.1	13.3	9.8	7.2
GLENN	59.4 *	53.3 *	22.9 *	16.3 *	15.1 *	9.7 *
HUMBOLDT	69.7	66.1	15.8	14.5	20.6	23.9
IMPERIAL	41.7	27.9	18.9	10.2 *	7.1 *	4.9 *
INYO	48.0 *	32.3 *	11.1 *	8.9 *	9.5 *	22.0 *
KERN	50.1	41.9	20.0	14.8	10.8	10.7
KINGS	40.9	37.8	20.6	16.9	8.7 *	6.8 *
LAKE	75.5	69.2	27.6 *	18.4 *	27.1 *	27.9 *
LASSEN	48.2 *	42.6 *	15.3 *	11.3 *	21.8 *	10.9 *
LOS ANGELES	23.0	19.8	9.1	6.5	6.8	7.6
MADERA	45.4	38.1	22.7	19.8	13.3 *	10.0 *
MARIN	20.7	23.4	4.7 *	3.8 *	13.5	13.5
MARIPOSA	53.3 *	41.0 *	18.4 *	20.8 *	16.4 *	25.9 *
MENDOCINO	51.0	53.6	17.9 *	18.5 *	20.6 *	23.2
MERCED	44.2	40.4	21.1	13.4	7.0 *	10.3
MODOC	51.0 *	67.6 *	17.2 *	10.2 *	13.7 *	12.9 *
MONO	19.6 *	19.1 *	3.6 *	7.0 *	4.9 *	6.7 *
MONTEREY	31.1	28.5	12.5	8.1	8.3	9.8
NAPA	27.4	29.0	9.9 *	9.2 *	11.1 *	11.0 *
NEVADA	45.5	34.4	14.0 *	11.3 *	17.9 *	15.8 *
ORANGE	22.4	21.6	7.5	4.9	8.5	8.4
PLACER	34.2	25.9	10.7	6.4	9.6	14.8
PLUMAS	42.7 *	46.9 *	14.8 *	7.8 *	13.9 *	12.8 *
RIVERSIDE	36.8	31.6	15.9	10.2	10.3	9.8
SACRAMENTO	37.6	34.1	10.9	8.6	12.5	12.3
SAN BENITO	28.3 *	23.6 *	14.7 *	8.2 *	6.8 *	8.4 *
SAN BERNARDINO	30.4	24.7	15.9	10.1	9.4	10.7
SAN DIEGO	30.3	29.2	10.2	7.3	10.3	11.1
SAN FRANCISCO	33.0	32.7	5.3	3.9	10.5	9.8
SAN JOAQUIN	49.8	41.8	14.6	11.8	7.0	10.3
SAN LUIS OBISPO	40.6	32.8	15.5	8.4	13.2	15.0
SAN MATEO	20.2	20.9	5.4	4.6	8.3	8.7
SANTA BARBARA	31.9	30.0	11.5	7.5	8.5	10.3
SANTA CLARA	21.2	22.5	6.9	5.7	6.7	8.1
SANTA CRUZ	32.6	31.6	9.9	7.8	10.4	12.7
SHASTA	55.6	59.9	13.1	12.5	21.1	18.7
SIERRA	23.3 *	39.6 *	16.1 *	4.5 *	11.8 *	8.5 *
SISKIYOU	59.6	61.1	23.9 *	17.0 *	28.2 *	18.3 *
SOLANO	33.9	26.3	13.7	7.2	10.2	10.6
SONOMA	33.6	31.1	11.0	7.8	10.4	14.0
STANISLAUS	54.1	35.3	17.5	9.8	9.3	10.9
SUTTER	37.9	39.7	16.4 *	18.5 *	6.5 *	14.3 *
TEHAMA	49.9	49.9	18.6 *	18.5 *	18.3 *	14.5 *
TRINITY	95.8 *	61.9 *	54.3 *	11.7 *	54.6 *	29.2 *
TULARE	48.8	36.1	24.6	14.8	10.0	9.4
TUOLUMNE	59.8	53.5	20.8 *	11.5 *	22.3 *	18.0 *
VENTURA	29.7	26.7	10.0	7.4	11.1	10.4
YOLO	35.5	26.3	12.0	7.1 *	7.9 *	10.2
YUBA	66.5	54.3	23.5 *	14.3 *	18.2 *	13.3 *

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

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

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2005-2010

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	HOMICIDE (THREE-YEAR AVERAGES)		FIREARM-RELATED DEATHS (THREE-YEAR AVERAGES)		DRUG-INDUCED DEATHS (THREE-YEAR AVERAGES)	
	2005-2007	2008-2010	2005-2007	2008-2010	2005-2007	2008-2010
CALIFORNIA	6.6	5.3	8.9	7.8	10.5	10.5
ALAMEDA	10.1	9.1	11.1	11.0	11.6	9.0
ALPINE	24.5 *	-	37.4 *	12.0 *	-	-
AMADOR	1.0 *	3.1 *	14.9 *	13.2 *	20.4 *	26.7 *
BUTTE	4.5 *	4.1 *	10.9	10.3	26.4	32.3
CALAVERAS	3.8 *	2.3 *	15.9 *	9.4 *	9.0 *	23.3 *
COLUSA	1.5 *	5.6 *	8.7 *	10.0 *	11.7 *	2.5 *
CONTRA COSTA	9.8	8.5	11.4	11.6	9.3	9.7
DEL NORTE	8.7 *	7.8 *	7.6 *	10.0 *	21.4 *	15.3 *
EL DORADO	2.9 *	2.8 *	12.9	10.2	17.5	18.8
FRESNO	7.9	6.8	9.9	8.4	12.4	11.9
GLENN	-	3.0 *	10.6 *	11.7 *	16.0 *	20.4 *
HUMBOLDT	2.0 *	5.1 *	12.5 *	12.6 *	33.3	36.3
IMPERIAL	2.7 *	2.6 *	5.7 *	4.3 *	10.4 *	7.9 *
INYO	1.4 *	6.3 *	8.1 *	20.3 *	3.6 *	9.4 *
KERN	7.7	8.6	12.1	11.4	15.9	17.4
KINGS	3.6 *	3.9 *	7.1 *	4.2 *	8.0 *	7.7 *
LAKE	6.0 *	7.5 *	14.7 *	14.9 *	27.6 *	39.1
LASSEN	5.7 *	3.3 *	13.0 *	9.7 *	25.7 *	22.2 *
LOS ANGELES	9.7	6.9	10.7	8.2	7.7	6.9
MADERA	5.5 *	6.5 *	11.5 *	7.8 *	9.7 *	8.4 *
MARIN	2.0 *	2.8 *	5.0 *	5.7 *	13.0	12.5
MARIPOSA	1.0 *	0.9 *	9.0 *	13.1 *	22.2 *	15.2 *
MENDOCINO	7.2 *	5.2 *	17.3 *	12.1 *	17.7 *	17.8 *
MERCED	7.5 *	8.5	9.5	9.2	8.9 *	10.8
MODOC	-	2.8 *	19.6 *	15.6 *	22.2 *	33.8 *
MONO	-	-	-	2.7 *	1.8 *	5.0 *
MONTEREY	5.0	10.0	6.3	11.4	9.4	10.1
NAPA	2.8 *	0.7 *	7.1 *	4.9 *	5.6 *	10.6 *
NEVADA	2.3 *	1.8 *	14.5 *	8.5 *	14.5 *	13.0 *
ORANGE	2.7	2.2	4.8	4.5	8.7	9.8
PLACER	2.0 *	1.5 *	5.0 *	7.6	13.9	10.4
PLUMAS	1.4 *	1.5 *	14.3 *	9.0 *	18.1 *	30.4 *
RIVERSIDE	5.6	4.3	9.6	7.4	10.8	11.6
SACRAMENTO	7.6	5.9	10.3	9.0	17.0	16.6
SAN BENITO	2.7 *	4.1 *	3.1 *	7.7 *	6.1 *	9.8 *
SAN BERNARDINO	8.4	5.8	10.8	8.9	10.8	10.4
SAN DIEGO	3.9	2.7	6.9	5.7	10.8	11.4
SAN FRANCISCO	10.1	7.7	9.7	7.8	21.4	19.5
SAN JOAQUIN	5.8	8.0	9.9	10.4	15.3	18.7
SAN LUIS OBISPO	2.5 *	1.9 *	7.6	7.4	12.4	13.3
SAN MATEO	4.2	3.3	6.1	5.9	7.3	6.8
SANTA BARBARA	2.2 *	2.6 *	4.5 *	4.6	10.4	12.3
SANTA CLARA	2.7	2.5	3.6	4.1	6.3	6.4
SANTA CRUZ	2.6 *	3.2 *	5.3 *	6.5 *	11.9	12.4
SHASTA	6.4 *	2.1 *	14.2	11.1	24.8	30.0
SIERRA	-	-	5.1 *	4.9 *	13.9 *	30.2 *
SISKIYOU	9.6 *	2.7 *	25.8 *	11.9 *	12.1 *	21.0 *
SOLANO	8.2	7.2	9.9	10.1	8.9	11.1
SONOMA	1.8 *	2.4 *	6.0	7.3	11.4	14.1
STANISLAUS	5.3	6.2	7.6	9.3	17.9	16.4
SUTTER	4.1 *	5.1 *	6.8 *	9.4 *	10.0 *	15.9 *
TEHAMA	6.4 *	5.0 *	10.7 *	11.5 *	14.3 *	11.1 *
TRINITY	6.9 *	-	37.7 *	25.7 *	27.5 *	23.3 *
TULARE	9.9	7.8	14.4	10.4	10.2	7.4
TUOLUMNE	2.5 *	1.8 *	16.9 *	7.3 *	23.6 *	26.3 *
VENTURA	3.6	3.0	7.5	5.5	10.8	10.3
YOLO	1.1 *	2.1 *	4.1 *	4.4 *	7.1 *	7.7 *
YUBA	5.1 *	3.9 *	12.2 *	7.5 *	3.1 *	5.3 *

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

- Rates are not calculated for zero events.

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

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2005-2010

COUNTY OF RESIDENCE	MORBIDITY RATE		MORBIDITY RATE		MORBIDITY RATE	
	REPORTED INCIDENCE OF AIDS (AGED 13 AND OVER) (THREE-YEAR AVERAGES)		REPORTED INCIDENCE OF CHLAMYDIA (THREE-YEAR AVERAGES)		REPORTED INCIDENCE OF GONORRHEA (THREE-YEAR AVERAGES)	
	2005-2007	2008-2010	2005-2007	2008-2010	2005-2007	2008-2010
CALIFORNIA	12.4	9.4	364.4	389.6	88.4	65.8
ALAMEDA	18.7	14.2	404.2	449.7	149.2	118.7
ALPINE	-	-	50.5 *	49.1 *	-	-
AMADOR	2.9 *	0.9 *	161.8	188.1	12.1 *	11.7 *
BUTTE	3.1 *	2.4 *	329.6	313.3	62.0	26.2
CALAVERAS	0.8 *	0.8 *	77.5	91.8	19.7 *	7.8 *
COLUSA	1.9 *	-	156.7	107.3	15.2 *	7.2 *
CONTRA COSTA	8.3	8.3	304.4	345.8	85.0	70.3
DEL NORTE	5.2 *	3.8 *	86.5	145.8	4.5 *	5.4 *
EL DORADO	2.0 *	2.5 *	131.0	127.4	13.5	8.8 *
FRESNO	9.9	9.8	568.0	586.1	141.4	75.3
GLENN	1.4 *	1.3 *	206.5	173.2	24.1 *	11.0 *
HUMBOLDT	4.5 *	2.0 *	271.2	276.3	27.6	18.4
IMPERIAL	9.8 *	7.7 *	326.6	351.7	33.1	19.9
INYO	2.1 *	4.0 *	136.0	183.4	15.9 *	14.0 *
KERN	12.0	9.6	530.1	628.0	152.6	104.4
KINGS	6.1 *	3.1 *	361.5	331.8	72.3	29.0
LAKE	2.4 *	2.9 *	173.7	197.8	25.9 *	33.5
LASSEN	6.3 *	1.0 *	106.7	137.5	17.3 *	2.7 *
LOS ANGELES	16.1	11.1	418.4	450.7	105.6	89.2
MADERA	4.8 *	4.7 *	466.0	432.9	86.3	41.9
MARIN	11.2	9.2 *	215.8	216.7	31.6	27.1
MARIPOSA	2.0 *	-	79.5 *	93.3 *	25.3 *	5.3 *
MENDOCINO	5.7 *	3.8 *	214.3	257.4	23.2	14.4 *
MERCED	3.3 *	4.3 *	399.8	340.1	86.5	28.9
MODOC	-	-	119.3 *	59.3 *	48.4 *	3.1 *
MONO	2.8 *	2.7 *	96.0 *	187.4	14.4 *	9.1 *
MONTEREY	7.2	4.4 *	312.6	318.4	42.3	24.0
NAPA	6.0 *	4.9 *	182.5	174.9	20.9	14.9
NEVADA	1.5 *	1.1 *	125.4	129.6	10.7 *	6.5 *
ORANGE	7.8	6.9	257.4	259.4	35.1	28.9
PLACER	2.3 *	1.5 *	181.3	185.1	20.5	17.4
PLUMAS	-	1.7 *	140.8	246.8	20.1 *	10.7 *
RIVERSIDE	10.4	8.3	268.2	299.5	50.4	35.4
SACRAMENTO	9.0	6.5	532.0	536.3	156.8	124.1
SAN BENITO	2.2 *	2.7 *	228.1	248.8	53.8	12.8 *
SAN BERNARDINO	8.3	6.7	398.4	391.9	100.8	55.4
SAN DIEGO	15.7	12.7	386.7	460.4	84.1	62.0
SAN FRANCISCO	63.7	47.6	491.9	527.1	290.2	235.4
SAN JOAQUIN	8.9	8.5	470.0	493.8	126.0	90.7
SAN LUIS OBISPO	7.2 *	3.8 *	222.5	245.3	17.3	12.8
SAN MATEO	5.0	3.7	227.8	261.9	37.5	30.2
SANTA BARBARA	7.0	2.8 *	266.8	299.9	22.3	16.8
SANTA CLARA	8.7	8.5	314.5	305.2	54.6	33.9
SANTA CRUZ	6.6 *	2.8 *	236.4	260.5	33.7	20.5
SHASTA	4.4 *	1.7 *	253.2	222.1	18.5	22.9
SIERRA	-	-	27.2 *	118.9 *	9.1 *	9.1 *
SISKIYOU	0.8 *	2.5 *	221.4	165.1	15.9 *	13.5 *
SOLANO	13.7	7.9	414.4	467.8	87.0	81.5
SONOMA	11.6	7.5	167.2	208.8	25.7	17.5
STANISLAUS	5.3	6.0	368.9	337.7	100.3	35.9
SUTTER	6.4 *	0.9 *	232.7	221.6	48.2	21.3
TEHAMA	3.2 *	1.8 *	235.8	226.4	31.8 *	11.9 *
TRINITY	-	2.5 *	96.3 *	91.1 *	9.2 *	4.4 *
TULARE	3.2 *	2.4 *	412.8	364.6	92.7	27.8
TUOLUMNE	3.3 *	2.6 *	124.9	134.1	19.1 *	7.4 *
VENTURA	3.8	3.1	196.1	263.5	22.8	18.7
YOLO	2.9 *	3.0 *	263.5	275.8	35.7	28.0
YUBA	2.3 *	1.1 *	284.3	264.7	63.2	20.0 *

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

- Rates are not calculated for zero events.

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

The current AIDS data is not comparable to prior years due to changes in data collection and methodology

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2004-2010

COUNTY OF RESIDENCE	MORBIDITY RATE		MORTALITY RATE		PERCENT	
	REPORTED INCIDENCE OF TUBERCULOSIS (THREE-YEAR AVERAGES)		INFANT MORTALITY ALL RACE/ETHNIC GROUPS (THREE-YEAR AVERAGES)		LOW BIRTHWEIGHT INFANTS (THREE-YEAR AVERAGES)	
	2005-2007	2008-2010	2004-2006	2007-2009	2005-2007	2008-2010
CALIFORNIA	7.5	6.5	5.3	5.2	6.9	6.8
ALAMEDA	10.2	10.5	4.8	4.3	7.2	7.1
ALPINE	-	-	-	-	2.4 *	-
AMADOR	-	0.8 *	8.5 *	2.3 *	4.4 *	5.3 *
BUTTE	1.4 *	1.0 *	6.9 *	6.3 *	6.3	5.6
CALAVERAS	0.7 *	1.4 *	5.5 *	3.6 *	6.2	5.2 *
COLUSA	3.0 *	5.7 *	2.7 *	2.7 *	4.4 *	6.2
CONTRA COSTA	5.1	5.0	4.2	4.4	6.7	6.7
DEL NORTE	-	-	9.2 *	8.0 *	5.8	5.0 *
EL DORADO	2.1 *	1.1 *	3.8 *	4.8 *	6.1	6.5
FRESNO	6.3	6.7	6.9	6.3	7.3	7.6
GLENN	3.4 *	2.2 *	3.9 *	3.0 *	4.8	5.0
HUMBOLDT	1.3 *	0.7 *	6.1 *	4.4 *	6.1	5.5
IMPERIAL	18.4	14.4	4.9 *	4.3 *	6.3	6.3
INYO	-	1.7 *	13.5 *	7.4 *	9.1	9.0 *
KERN	5.1	4.9	6.7	7.2	7.2	7.1
KINGS	3.8 *	2.7 *	7.2 *	4.3 *	6.5	6.4
LAKE	1.0 *	2.0 *	3.3 *	6.0 *	6.0	5.8
LASSEN	1.8 *	-	5.9 *	6.6 *	5.0 *	6.4
LOS ANGELES	9.0	7.4	5.2	5.4	7.3	7.3
MADERA	3.0 *	6.5 *	5.3 *	4.5 *	6.2	6.4
MARIN	4.2 *	4.1 *	2.9 *	3.1 *	6.1	6.5
MARIPOSA	-	-	4.6 *	6.8 *	5.2 *	5.4 *
MENDOCINO	3.3 *	2.5 *	8.9 *	7.3 *	6.8	5.8
MERCED	2.9 *	2.7 *	5.6	6.4	6.1	6.8
MODOC	-	-	12.1 *	-	5.8 *	6.1 *
MONO	-	-	9.7 *	12.6 *	9.1 *	7.7 *
MONTEREY	7.0	4.7	4.9	4.7	5.9	5.8
NAPA	4.2 *	4.0 *	5.8 *	5.6 *	5.9	6.4
NEVADA	1.3 *	1.0 *	4.9 *	3.6 *	6.4	4.8
ORANGE	7.4	6.6	4.6	4.5	6.4	6.5
PLACER	2.5 *	1.3 *	4.9 *	4.7 *	5.8	5.5
PLUMAS	-	-	1.9 *	1.9 *	5.4 *	5.2 *
RIVERSIDE	3.6	3.4	5.6	5.5	6.6	6.6
SACRAMENTO	8.4	6.3	6.0	5.8	7.0	6.8
SAN BENITO	0.6 *	1.1 *	3.0 *	4.5 *	6.2	6.2
SAN BERNARDINO	3.0	3.4	7.0	6.5	7.1	7.1
SAN DIEGO	9.8	7.5	5.2	4.8	6.7	6.6
SAN FRANCISCO	16.4	13.6	3.9	4.3	7.2	7.0
SAN JOAQUIN	9.5	8.7	6.4	6.1	6.8	7.0
SAN LUIS OBISPO	1.6 *	1.0 *	5.6 *	3.3 *	6.3	5.7
SAN MATEO	10.4	8.5	4.7	3.7	6.8	6.7
SANTA BARBARA	4.4 *	6.7	5.2	4.8	6.4	5.9
SANTA CLARA	12.5	10.8	4.1	3.8	6.7	6.8
SANTA CRUZ	3.3 *	3.0 *	4.8 *	3.6 *	5.7	6.0
SHASTA	2.8 *	0.9 *	5.2 *	5.5 *	6.7	5.7
SIERRA	-	-	14.9 *	-	4.1 *	9.1 *
SISKIYOU	0.7 *	-	8.4 *	5.4 *	7.1	7.0
SOLANO	8.1	5.8	5.2	6.4	7.3	6.9
SONOMA	2.6 *	1.8 *	3.8	3.7	5.8	5.8
STANISLAUS	2.7 *	3.5 *	6.7	6.0	6.4	6.3
SUTTER	1.8 *	3.3 *	3.9 *	5.2 *	5.5	6.0
TEHAMA	5.4 *	1.5 *	3.8 *	7.6 *	5.4	5.4
TRINITY	2.3 *	-	5.6 *	8.3 *	4.7 *	5.4 *
TULARE	4.8	6.0	5.5	5.9	6.1	6.3
TUOLUMNE	-	0.6 *	7.8 *	2.2 *	5.5	4.1 *
VENTURA	6.5	5.7	6.3	5.3	6.6	6.3
YOLO	3.6 *	4.6 *	3.5 *	3.6 *	5.3	5.2
YUBA	3.7 *	2.5 *	5.5 *	5.2 *	6.2	6.0

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

- Rates and percentages are not calculated for zero events.

Note: The morbidity rates are crude case rates per 100,000 population.
The infant mortality rates are per 1,000 live births.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2005-2010

COUNTY OF RESIDENCE	AGE-SPECIFIC BIRTH RATE		PERCENT	
	BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD (THREE-YEAR AVERAGES)		ADEQUATE/ADEQUATE PLUS PRENATAL CARE (THREE-YEAR AVERAGES)	
	2005-2007	2008-2010	2005-2007	2008-2010
CALIFORNIA	37.3	31.9	78.5	79.4
ALAMEDA	27.2	23.8	78.8	78.9
ALPINE	45.5 *	29.4 *	45.0 *	50.0 *
AMADOR	20.4	18.5	85.6	88.9
BUTTE	28.8	26.3	73.0	75.0
CALAVERAS	21.6	19.7	76.4	79.6
COLUSA	42.7	42.2	77.8	77.2
CONTRA COSTA	23.4	20.3	75.9	75.8
DEL NORTE	41.6	52.0	74.2	77.5
EL DORADO	16.6	14.9	68.7	74.7
FRESNO	55.8	51.8	83.4	88.1
GLENN	44.5	41.2	78.7	78.2
HUMBOLDT	30.1	27.2	71.1	77.1
IMPERIAL	55.2	55.3	63.3	55.5
INYO	39.3	27.9 *	64.0	73.0
KERN	62.2	60.1	71.3	70.8
KINGS	63.4	55.4	72.2	73.3
LAKE	40.6	43.4	66.3	69.9
LASSEN	25.1	28.0	75.8	66.4
LOS ANGELES	38.1	30.5	83.4	83.5
MADERA	63.5	52.5	68.9	71.2
MARIN	12.2	10.9	90.4	86.0
MARIPOSA	20.1 *	21.0 *	68.7	70.8
MENDOCINO	33.7	35.0	71.9	74.6
MERCED	55.2	47.3	53.5	62.2
MODOC	17.3 *	39.2 *	46.7	59.6
MONO	30.5 *	12.7 *	76.2	81.5
MONTEREY	57.1	52.2	73.5	73.6
NAPA	27.7	23.4	77.7	75.5
NEVADA	16.3	13.2	71.8	76.2
ORANGE	29.0	23.5	85.1	87.5
PLACER	15.8	12.6	78.2	80.9
PLUMAS	19.1 *	26.4 *	54.3	70.9
RIVERSIDE	41.9	34.4	76.5	79.3
SACRAMENTO	37.4	31.3	74.0	77.7
SAN BENITO	35.6	26.8	68.5	81.1
SAN BERNARDINO	46.1	41.1	76.1	75.9
SAN DIEGO	34.5	30.5	74.1	74.1
SAN FRANCISCO	22.3	20.0	82.0	81.0
SAN JOAQUIN	48.5	37.3	67.0	71.0
SAN LUIS OBISPO	20.5	18.9	82.9	84.6
SAN MATEO	21.9	19.0	85.0	84.1
SANTA BARBARA	43.7	39.8	79.2	78.1
SANTA CLARA	25.9	21.9	78.6	79.6
SANTA CRUZ	31.9	32.9	83.5	82.7
SHASTA	35.4	30.0	69.5	74.1
SIERRA	3.2 *	11.9 *	59.7 *	69.4 *
SISKIYOU	38.2	35.7	68.6	76.2
SOLANO	30.5	26.5	72.3	68.1
SONOMA	24.1	22.5	71.6	75.1
STANISLAUS	44.2	36.7	71.7	71.0
SUTTER	42.4	31.7	71.1	74.4
TEHAMA	43.2	44.1	70.4	72.0
TRINITY	21.6 *	26.8 *	58.0	59.1
TULARE	60.9	60.3	75.9	76.7
TUOLUMNE	24.3	21.2	77.8	79.9
VENTURA	35.5	32.5	78.2	81.4
YOLO	21.6	19.1	75.2	77.4
YUBA	51.2	40.6	68.2	71.7

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

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 2005 through 2010, and from the linked births-deaths in the Birth Cohort-Perinatal Outcome Files for the years 2004 through 2009, which are based on the Statistical Master Files.

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

The population data are provided on the Internet by the California Department of Finance (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 145 non-traffic deaths during 2008 through 2010 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 <http://www.cdc.gov/DiseasesConditions/>.

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

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

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

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

Race/Ethnicity: Tables 24A-24E align with the 1997 Office of Management and Budget (OMB) revised minimum standards for collecting, maintaining, and presenting data on race and ethnicity as described in the 1997 OMB Directive 15, which may be reviewed at URL: <http://www.whitehouse.gov/omb/fedreg1997standards>. 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 nativity data were obtained from Birth Statistical Master Files for 2008 through 2010. 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): The 2010 data serve as the new baseline for future comparisons and trending of in-hospital breastfeeding practices in California. The 2010 data should not be compared to data published in prior years (2004-2009) due to revisions to the NBS data collection tool (NBS Form) as well as changes in our data analysis methodology during this time period.

The primary change, the exclusion of data for infants that were in a Neonatal Intensive Care Unit (NICU) nursery at the time of specimen collection, was done in order to better align with the new perinatal quality measure on exclusive breast milk feeding endorsed by the National Quality Forum, the Joint Commission and the Leapfrog Group.

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

Breastfeeding initiation data are obtained from the Center for Family Health, Genetic Disease Screening Program, Newborn Screening Data with analyses by the Maternal, Child and Adolescent Health Program. All nonmilitary hospitals providing maternity services are required to complete the Newborn Screening Test Form prior to an infant's discharge. Analysis is limited to cases reported on the Newborn Screening Test Form [Version NBS-I(D) (12/08)], representing approximately 99 percent of all cases.

Infant feeding data presented in this report include all feedings from birth to time of specimen collection, usually 24 to 48 hours. To complete the form, staff must select from the following three categories to describe all feeding since birth: (1) Only Human Milk; (2) Only Formula; (3) Human Milk & Formula. In Table 28, the number for "BREASTFED" includes records marked 'Only Human Milk' or 'Human Milk & Formula'. The "TOTAL NUMBER" excludes data for infants who were in a Neonatal Intensive Care Unit (NICU) nursery or received TPN at the time of specimen collection. Also, excluded are cases with an unknown method of feeding. Statewide approximately 2.5 percent of cases have missing feeding information and/or receive TPN at the time of specimen collection.

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

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

CRUDE RATES AND AGE-ADJUSTED RATES

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

A non-standardized rate (or "crude rate") is calculated by dividing the total number of events (e.g., deaths) by the total population at risk, then multiplying by a base (e.g., 100,000). Sub-populations such as counties with varying age compositions can have highly disparate crude death rates, since the risk of dying is primarily a function of age. Therefore, counties with a large component of elderly experience a higher death rate. The effect of different age compositions among counties or other demographic groups can be removed from the death rates by the "age-adjustment" process. This produces age-adjusted rates that permit comparisons among geographic and demographic groups and that are directly comparable with those HP 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., 2008-2010), divided by the population in the middle year (e.g., 2009).

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

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

RANKING OF COUNTIES

Data for each health indicator are displayed with the counties in rank order by increasing rates or percentages (calculated to 15 decimal places) with the exception of prenatal care adequacy (Table 27B) and breastfeeding initiation (Table 28). The county with the lowest rate or percentage is in the first rank while the county owning the highest rate or percentage is in the 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/redirect.aspx?url=/2010/>

THEMATIC MAPS

ArcGIS, version 10.0, 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.

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'S HEALTH STATUS PROFILE FOR 2012**

MORTALITY									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2008-2010 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	AGE-ADJUSTED NATIONAL	DEATH RATE STATEWIDE
	ALL CAUSES	232,993.0	602.2	632.7	630.1	635.3	a	741.1	632.7
03-01	ALL CANCERS	55,485.3	143.4	151.7	150.4	152.9	158.6	173.2	151.7
03-05	COLORECTAL CANCER	5,183.0	13.4	14.1	13.7	14.5	13.7	15.9	14.1
03-02	LUNG CANCER	12,996.7	33.6	36.1	35.5	36.8	43.3	48.5	36.1
03-03	FEMALE BREAST CANCER	4,266.3	22.0	20.7	20.1	21.3	21.3	22.3	20.7
03-07	PROSTATE CANCER	3,053.3	15.8	21.2	20.4	22.0	28.2	22.0	21.2
05-05	DIABETES	7,112.3	18.4	19.5	19.0	19.9	b	20.9	19.5
	ALZHEIMER'S DISEASE	10,270.0	26.5	28.2	27.6	28.7	a	23.5	28.2
12-01	CORONARY HEART DISEASE	44,631.3	115.4	121.6	120.4	122.7	162.0	126.0	121.6
12-07	CEREBROVASCULAR DISEASE (STROKE)	13,589.3	35.1	37.4	36.8	38.0	50.0	38.9	37.4
	INFLUENZA/PNEUMONIA	6,260.7	16.2	17.2	16.7	17.6	a	16.2	17.2
	CHRONIC LOWER RESPIRATORY DISEASE	13,059.7	33.8	36.7	36.0	37.3	a	42.3	36.7
26-02	CHRONIC LIVER DISEASE AND CIRRHOSIS	4,216.7	10.9	10.8	10.4	11.1	3.2	9.2	10.8
15-13	ACCIDENTS (UNINTENTIONAL INJURIES)	10,461.0	27.0	27.1	26.6	27.6	17.1	37.3	27.1
15-15a	MOTOR VEHICLE TRAFFIC CRASHES	3,055.7	7.9	7.9	7.6	8.1	8.0	11.7	7.9
18-01	SUICIDE	3,774.7	9.8	9.7	9.4	10.0	4.8	11.8	9.7
15-32	HOMICIDE	2,093.7	5.4	5.3	5.1	5.5	2.8	5.5	5.3
15-03	FIREARM-RELATED DEATHS	3,029.7	7.8	7.8	7.5	8.0	3.6	10.1	7.8
26-03	DRUG-INDUCED DEATHS	4,170.7	10.8	10.5	10.2	10.9	1.2	12.6	10.5

MORBIDITY									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2008-2010 CASES (AVERAGE)	CRUDE CASE RATE		95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	CRUDE NATIONAL	CASE RATE STATEWIDE
13-01	AIDS INCIDENCE (AGE 13 AND OVER)	2,978.3	9.4		9.1	9.7	1.0	du	9.4
25-01	CHLAMYDIA INCIDENCE	150,717.3	389.6		387.6	391.5	d	c	389.6
25-02a	GONORRHEA INCIDENCE	25,447.3	65.8		65.0	66.6	19.0	99.1	65.8
14-11	TUBERCULOSIS INCIDENCE	2,498.7	6.5		6.2	6.7	1.0	3.8	6.5

INFANT MORTALITY									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2007-2009 DEATHS (AVERAGE)	BIRTH COHORT INFANT DEATH RATE		95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	BIRTH COHORT NATIONAL	INFANT DEATH RATE STATEWIDE
16-01c	INFANT MORTALITY: ALL RACES	2,848.3	5.2		5.0	5.4	4.5	6.7	5.2
16-01c	INFANT MORTALITY: ASIAN/PI	305.0	4.5		4.0	5.1	4.5	4.8	4.5
16-01c	INFANT MORTALITY: BLACK	343.3	11.8		10.5	13.0	4.5	13.3	11.8
16-01c	INFANT MORTALITY: HISPANIC	1,434.7	5.0		4.8	5.3	4.5	5.5	5.0
16-01c	INFANT MORTALITY: WHITE	656.3	4.5		4.1	4.8	4.5	5.6	4.5

NATALITY									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2008-2010 BIRTHS (AVERAGE)	PERCENT		95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	PERCENTAGE NATIONAL	STATEWIDE
16-10a	LOW BIRTHWEIGHT INFANTS	36,063.3	6.8		6.7	6.9	5.0	8.2	6.8
16-06a	LATE OR NO PRENATAL CARE	88,586.3	17.1		17.0	17.2	10.0	du	17.1
16-06b	ADEQUATE/ADEQUATE PLUS CARE	405,119.7	79.4		79.2	79.6	90.0	du	79.4

NATALITY									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2008-2010 BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTH RATE		95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	AGE-SPECIFIC NATIONAL	BIRTH RATE STATEWIDE
	BIRTHS TO MOTHERS AGED 15-19	47,547.3	31.9		31.7	32.2	a	39.1	31.9

BREASTFEEDING									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2010 BIRTHS	PERCENT		95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	PERCENTAGE NATIONAL	STATEWIDE
16-19a	BREASTFEEDING INITIATION	397,171	90.8		90.5	91.1	75.0	dc	90.8

CENSUS									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2009 NUMBER	PERCENT		95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	PERCENTAGE NATIONAL	STATEWIDE
	PERSONS UNDER 18 IN POVERTY	1,846,993	18.5		18.5	18.5	a	20.0	18.5

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.
dc Comparable national data not available.
du Data unavailable.

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Census U.S. Census Bureau. Small Area Income and Poverty Estimates at <http://www.census.gov/did/www/saie>. Accessed January 2012.
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.
Sources California Department of Public Health, Center for Health Statistics. 2008-2010 Birth and Death Statistical Master Files and 2007-2009 Birth Cohort-Perinatal Outcome Files.
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