

# **COUNTY HEALTH STATUS PROFILES 2008**

**California Department of Public Health and  
California Conference of Local Health Officers**

# COUNTY HEALTH STATUS PROFILES 2008

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**Mary Heim** of the Department of Finance provided the 2005 race/ethnic population estimates by county with age and sex detail.

**Carina Saraiva, MPH** of the Maternal, Child and Adolescent Health/Office of Family Planning Branch computed the breastfeeding initiation data using data collected by the Newborn Screening Program, Genetic Disease Branch.

**Denise Gilson** of the Sexually Transmitted Disease Control Branch provided chlamydia and gonorrhea case incidence data.

**Linda Johnson** of the Tuberculosis Control Branch provided tuberculosis case incidence data.

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**Jan Christensen** of the Office of Health Information and Research matched the birth and infant death records from the Birth and Death Statistical Master Files to create the Birth Cohort-Perinatal Outcome Files of linked births and deaths.

**Daniel Cox** of the Office of Health Information and Research prepared the Web page and data links for the Internet version of the report and county summary tables.

**Cheryl Wilson** of the Office of Health Information and Research conducted peer review of the statistical tables and thematic maps.

The Staff of the Office of Vital Records collected, coded, and edited birth and death certificates, which form the basis of the Birth and Death Statistical Master Files.

Cover Photography by **Larry Alvarez**: Flower Mound Observatory (Sun Set Magic).



MARK B HORTON, MD, MSPH  
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California Department of Public Health



ARNOLD SCHWARZENEGGER  
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Dear Colleague:

We are pleased to present California's **County Health Status Profiles 2008**. This report contains selected health status indicators recommended by the United States Public Health Service for monitoring state and local progress toward achieving the goals set forth in **Healthy People 2010**. The Healthy People 2010 National Objectives challenge public health professionals to increase the span of healthy life, reduce health disparities, and ensure access to preventive services for all Americans.

The **County Health Status Profiles** report is updated each year and from time to time the list of indicators is modified according to priorities developed by the California Department of Public Health and the California Conference of Local Health Officers. Following a substantial revision last year in the health topics analyzed, there have been no changes in the list of indicators presented in this year's report.

We believe 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.

Mark B Horton, MD, MSPH  
Director

Ann Lindsay, MD  
President, California Conference of  
Local Health Officers

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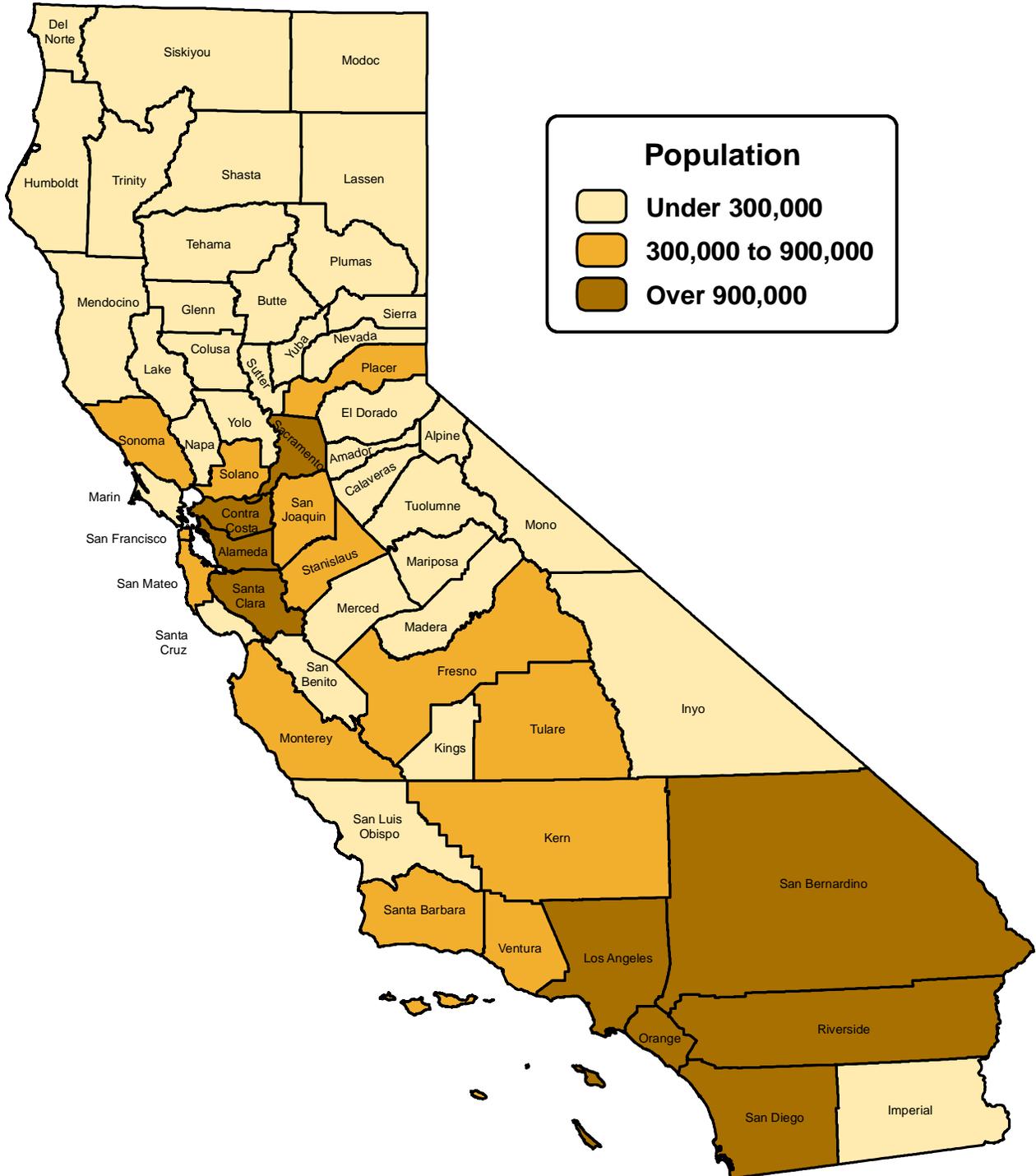
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# CALIFORNIA COUNTIES

Statewide Population: 36,957,436



Source:  
Department of Finance, 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## INTRODUCTION

*County Health Status Profiles* has been published annually for the State of California since 1993. This report presents public health data that can be directly compared with clearly established benchmarks, such as national standards, and populations of similar composition. Appendix A (page 90) provides a comparison table of California's rates/percentages for selected health indicators, the target rates established for Healthy People 2010 (HP 2010) National Objectives, and the United States (U.S.) rates where available.

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). Also shown on these tables are the upper and lower 95 percent confidence limits, which provide a means for assessing the degree of stability of the estimated rates and percentages. 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. Therefore, standard errors and relative standard errors (coefficients of variation) are calculated to measure the reliability of the rates and percentages. Estimated rates and percentages that are categorized as unreliable (relative standard error  $\geq$  23 percent) are marked on these tables with an asterisk (\*). Rates, percentages, and confidence limits not calculated for zero events are shown as dashes (-).

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 may want to learn more about the problems associated with analysis of vital events involving small numbers, small area analysis, and age-adjusted death rates, references to relevant statistical publications are located in the bibliography.

Thematic maps of California's 58 counties provide added visual comparison of rates or percentages from each table (excluding Table 30) along with the customary health status indicator highlights.

The following California Department of Public Health offices provided data for this report: Center for Health Statistics, Division of Communicable Disease Control, Genetic Disease Branch, Maternal, Child and Adolescent Health/Office of Family Planning Branch, and the Office of AIDS. In addition, the Demographic Research Unit of the Department of Finance provided 2005 race/ethnicity population estimates by county with age and sex detail. Estimates of persons under age 18 in 2005 who were below poverty are from the U.S. Census Bureau (<http://www.census.gov/hhes/www/saipe/>).

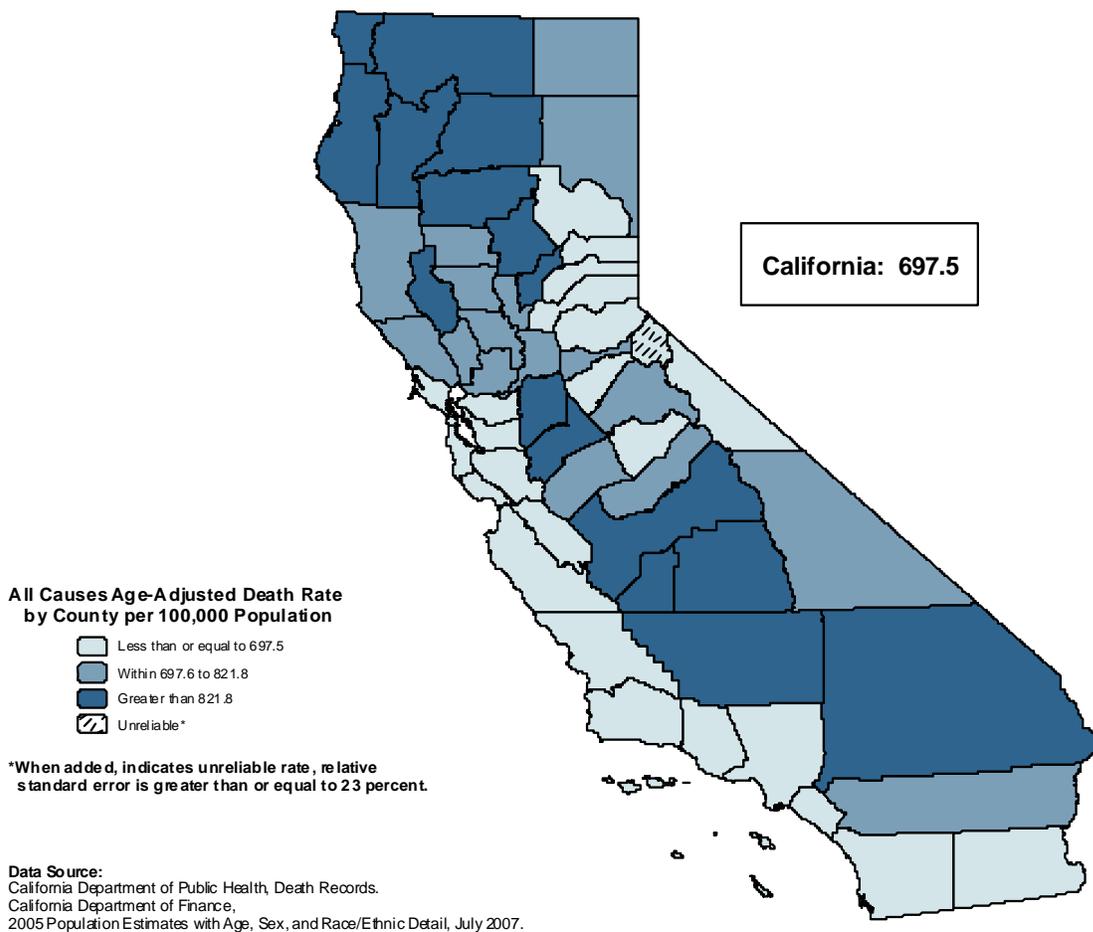
To access electronic copies of this report and prior reports, visit the California Department of Public Health, Center for Health Statistics site on the Internet at <http://www.cdph.ca.gov/programs/OHIR/Pages/CHSP.aspx>.

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

California Department of Public Health  
Center for Health Statistics  
Office of Health Information and Research  
MS 5103  
P.O. Box 997410  
Sacramento, CA 95899-7410  
Telephone (916) 552-8095  
Fax (916) 650-6889  
Email [CDPHOHIR@cdph.ca.gov](mailto:CDPHOHIR@cdph.ca.gov)

Should you wish additional copies of the County Health Status Profiles, an order form and instructions for placing your order appear at the end of this report (page 92).

## DEATHS DUE TO ALL CAUSES, 2004-2006



The crude death rate from all causes for California was 636.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 157 persons. This rate was based on a three-year average number of deaths of 235,045.3 from 2004 to 2006, and a population of 36,957,436 as of July 1, 2005. Among counties with “reliable” rates, the crude rate ranged from 1,232.4 in Lake County to 309.1 in Mono County, a difference in rates by a factor of 4.0 to 1.

The age-adjusted death rate from all causes for California for the three-year period from 2004 to 2006 was 697.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 969.6 in Kern County to 360.7 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, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:</b>					<b>NONE</b>		
1	MONO	13,803	42.7	309.1	360.7	246.0	475.4
2	ALPINE	1,307	6.0	459.1 *	449.4 *	74.6	824.2
3	SANTA CLARA	1,761,082	8,706.3	494.4	545.2	533.6	556.7
4	MARIN	252,346	1,781.7	706.0	553.5	527.3	579.6
5	SAN MATEO	722,265	4,616.0	639.1	585.0	568.0	602.0
6	SAN BENITO	57,534	255.0	443.2	602.1	527.0	677.2
7	MONTEREY	422,506	2,355.7	557.5	619.8	594.6	644.9
8	SIERRA	3,693	33.3	902.6	620.9	394.8	847.0
9	SANTA BARBARA	418,084	2,871.7	686.9	631.3	608.0	654.5
10	ORANGE	3,059,060	16,915.0	552.9	632.1	622.5	641.7
11	SAN FRANCISCO	795,135	5,910.3	743.3	633.4	617.0	649.8
12	SAN LUIS OBISPO	261,243	2,062.3	789.4	637.8	609.9	665.7
13	CALAVERAS	45,124	418.0	926.3	642.0	577.3	706.6
14	IMPERIAL	164,740	903.0	548.1	653.1	609.9	696.3
15	LOS ANGELES	10,216,326	59,614.3	583.5	659.0	653.7	664.4
16	VENTURA	813,633	4,832.0	593.9	663.1	644.2	681.9
17	ALAMEDA	1,500,324	9,284.7	618.8	665.9	652.2	679.5
18	PLACER	312,241	2,374.0	760.3	667.4	640.4	694.4
19	SANTA CRUZ	261,242	1,572.0	601.7	670.5	636.6	704.4
20	CONTRA COSTA	1,024,242	6,810.7	664.9	677.9	661.7	694.1
21	EL DORADO	175,619	1,257.0	715.8	680.2	642.0	718.5
22	PLUMAS	21,577	214.3	993.3	683.6	589.4	777.9
23	MARIPOSA	18,309	170.3	930.3	684.5	578.6	790.4
24	NEVADA	99,303	903.3	909.7	686.5	640.2	732.8
25	SAN DIEGO	3,054,778	19,507.0	638.6	689.4	679.7	699.1
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>235,045.3</b>	<b>636.0</b>	<b>697.5</b>	<b>694.7</b>	<b>700.3</b>
26	SONOMA	478,374	3,673.3	767.9	705.2	682.1	728.3
27	COLUSA	21,469	138.3	644.3	709.4	590.8	828.1
28	TUOLUMNE	57,426	590.7	1,028.6	711.1	651.6	770.5
29	NAPA	133,784	1,226.3	916.7	728.3	686.8	769.8
30	MADERA	143,221	942.0	657.7	729.8	683.0	776.7
31	AMADOR	38,140	395.7	1,037.4	737.1	662.6	811.5
32	LASSEN	35,772	218.7	611.3	748.4	647.5	849.3
33	INYO	18,859	207.3	1,099.4	755.0	648.5	861.5
34	SOLANO	419,753	2,705.0	644.4	756.3	727.4	785.1
35	MODOC	10,234	104.0	1,016.2	766.9	614.6	919.1
36	YOLO	188,940	1,143.3	605.1	769.7	724.7	814.7
37	MERCED	243,813	1,427.7	585.6	784.7	743.5	825.9
38	MENDOCINO	90,219	814.3	902.6	787.8	732.9	842.6
39	SACRAMENTO	1,377,538	9,866.3	716.2	788.7	773.0	804.3
40	RIVERSIDE	1,923,731	13,795.3	717.1	794.4	781.1	807.7
41	SUTTER	90,519	691.0	763.4	802.5	742.5	862.5
42	GLENN	28,558	243.3	852.1	821.8	718.2	925.4
43	SISKIYOU	45,991	524.7	1,140.8	824.9	751.5	898.3
44	FRESNO	891,502	5,932.3	665.4	829.0	807.7	850.2
45	TEHAMA	60,954	593.0	972.9	831.7	764.3	899.1
46	TULARE	416,503	2,733.7	656.3	838.0	806.2	869.7
47	SAN JOAQUIN	662,014	4,610.3	696.4	840.4	816.0	864.8
48	STANISLAUS	510,612	3,605.3	706.1	847.3	819.5	875.1
49	TRINITY	14,375	155.0	1,078.3	848.6	706.4	990.7
50	BUTTE	215,168	2,218.0	1,030.8	852.8	816.7	888.8
51	KINGS	146,817	788.7	537.2	859.4	797.7	921.2
52	SAN BERNARDINO	1,974,119	12,221.3	619.1	864.6	849.0	880.3
53	LAKE	63,590	783.7	1,232.4	899.8	834.8	964.9
54	DEL NORTE	29,342	273.0	930.4	921.7	811.9	1,031.5
55	YUBA	69,540	525.3	755.4	928.5	848.2	1,008.9
56	HUMBOLDT	131,410	1,229.7	935.7	933.3	880.8	985.8
57	SHASTA	179,482	1,940.3	1,081.1	934.6	892.6	976.5
58	KERN	770,151	5,311.7	689.7	969.6	943.0	996.3

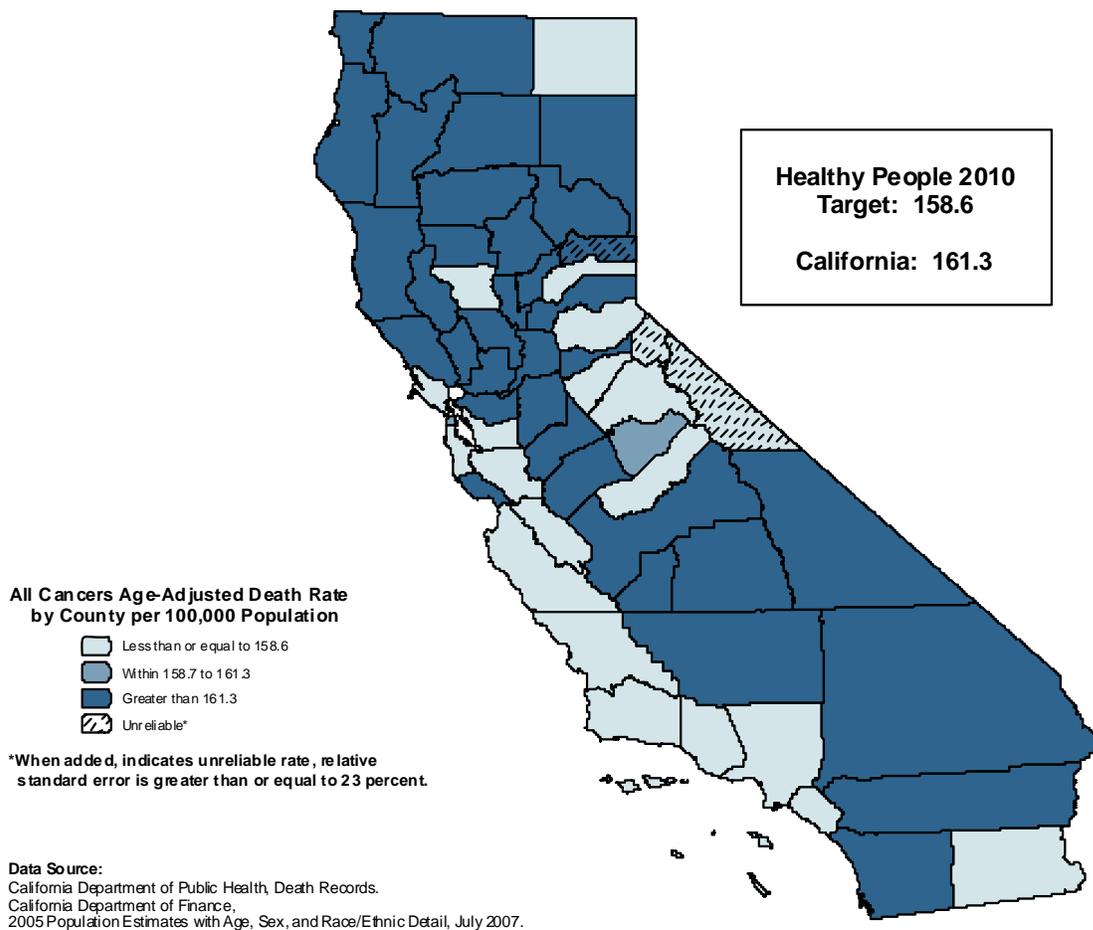
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO ALL CANCERS, 2004-2006



The crude death rate from all cancers for California was 146.4 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 683 persons. This rate was based on a three-year average number of deaths of 54,121.3 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 305.1 in Lake County to 96.2 in San Benito County, a difference in rates by a factor of 3.2 to 1.

The age-adjusted death rate from all cancers for California for the three-year period from 2004 to 2006 was 161.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 227.1 in Del Norte County to 128.5 in San Benito County.

Twenty-one counties (nineteen with reliable age-adjusted death rates) 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. The statewide age-adjusted death rate for all cancers did not meet the national objective.

**TABLE 2  
DEATHS DUE TO ALL CANCERS  
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE  
CALIFORNIA COUNTIES, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,307	0.3	25.5 *	17.0 *	0.0	74.7
2	MONO	13,803	10.7	77.3 *	81.8 *	29.7	134.0
3	SAN BENITO	57,534	55.3	96.2	128.5	94.1	162.9
4	SANTA CLARA	1,761,082	2,243.3	127.4	139.6	133.8	145.5
5	MONTEREY	422,506	528.0	125.0	141.7	129.6	153.9
6	SANTA BARBARA	418,084	621.3	148.6	141.9	130.7	153.2
7	COLUSA	21,469	27.3	127.3	141.9	88.6	195.3
8	ORANGE	3,059,060	4,026.3	131.6	150.4	145.8	155.1
9	MARIN	252,346	479.7	190.1	150.8	137.1	164.5
10	MODOC	10,234	21.3	208.5	150.8	86.2	215.4
11	LOS ANGELES	10,216,326	13,592.3	133.0	150.9	148.4	153.5
12	MADERA	143,221	198.0	138.2	151.0	129.9	172.2
13	CALAVERAS	45,124	104.7	232.0	151.2	121.2	181.1
14	VENTURA	813,633	1,114.3	137.0	151.8	142.8	160.8
15	IMPERIAL	164,740	213.0	129.3	153.3	132.6	174.0
16	SAN LUIS OBISPO	261,243	497.0	190.2	154.7	141.0	168.4
17	NEVADA	99,303	217.0	218.5	154.9	134.0	175.8
18	SAN MATEO	722,265	1,208.3	167.3	157.1	148.2	166.0
19	EL DORADO	175,619	305.0	173.7	157.3	139.4	175.2
20	TUOLUMNE	57,426	138.0	240.3	157.5	130.7	184.2
21	ALAMEDA	1,500,324	2,173.0	144.8	157.8	151.1	164.5
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-1)</b>					<b>158.6</b>		
22	SAN FRANCISCO	795,135	1,442.0	181.4	158.8	150.5	167.1
23	MARIPOSA	18,309	43.3	236.7	159.9	111.6	208.1
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>54,121.3</b>	<b>146.4</b>	<b>161.3</b>	<b>159.9</b>	<b>162.7</b>
24	SUTTER	90,519	142.0	156.9	162.9	136.0	189.8
25	MERCED	243,813	296.7	121.7	163.4	144.7	182.1
26	AMADOR	38,140	93.7	245.6	164.1	130.6	197.5
27	PLACER	312,241	585.3	187.5	165.4	152.0	178.9
28	CONTRA COSTA	1,024,242	1,690.7	165.1	166.1	158.1	174.1
29	SAN DIEGO	3,054,778	4,644.3	152.0	166.7	161.9	171.5
30	SANTA CRUZ	261,242	375.0	143.5	166.8	149.5	184.2
31	TULARE	416,503	538.0	129.2	166.9	152.7	181.1
32	FRESNO	891,502	1,182.0	132.6	167.0	157.4	176.6
33	SIERRA	3,693	9.7	261.8 *	167.7 *	61.0	274.5
34	LASSEN	35,772	50.3	140.7	170.7	122.9	218.5
35	GLENN	28,558	50.7	177.4	171.5	124.2	218.8
36	YOLO	188,940	260.3	137.8	175.9	154.3	197.4
37	SACRAMENTO	1,377,538	2,214.7	160.8	176.1	168.8	183.5
38	SONOMA	478,374	911.3	190.5	179.2	167.4	191.0
39	STANISLAUS	510,612	758.3	148.5	179.2	166.4	192.0
40	SAN BERNARDINO	1,974,119	2,587.7	131.1	180.1	173.1	187.2
41	RIVERSIDE	1,923,731	3,098.7	161.1	180.2	173.9	186.6
42	INYO	18,859	49.0	259.8	180.6	128.8	232.4
43	KINGS	146,817	167.7	114.2	181.3	153.3	209.4
44	MENDOCINO	90,219	192.3	213.2	181.9	155.9	207.9
45	TRINITY	14,375	38.7	269.0	182.1	124.1	240.1
46	SAN JOAQUIN	662,014	996.3	150.5	182.6	171.2	194.0
47	SOLANO	419,753	668.3	159.2	183.4	169.3	197.5
48	BUTTE	215,168	471.7	219.2	185.6	168.7	202.5
49	TEHAMA	60,954	136.0	223.1	187.5	155.8	219.2
50	NAPA	133,784	305.0	228.0	188.1	166.7	209.5
51	SISKIYOU	45,991	125.3	272.5	189.2	155.4	222.9
52	KERN	770,151	1,061.0	137.8	189.9	178.3	201.5
53	PLUMAS	21,577	62.7	290.4	193.5	144.2	242.9
54	HUMBOLDT	131,410	271.3	206.5	203.3	178.9	227.7
55	SHASTA	179,482	446.0	248.5	207.1	187.8	226.5
56	YUBA	69,540	119.0	171.1	207.4	169.8	244.9
57	LAKE	63,590	194.0	305.1	208.4	178.6	238.3
58	DEL NORTE	29,342	68.0	231.7	227.1	173.0	281.2

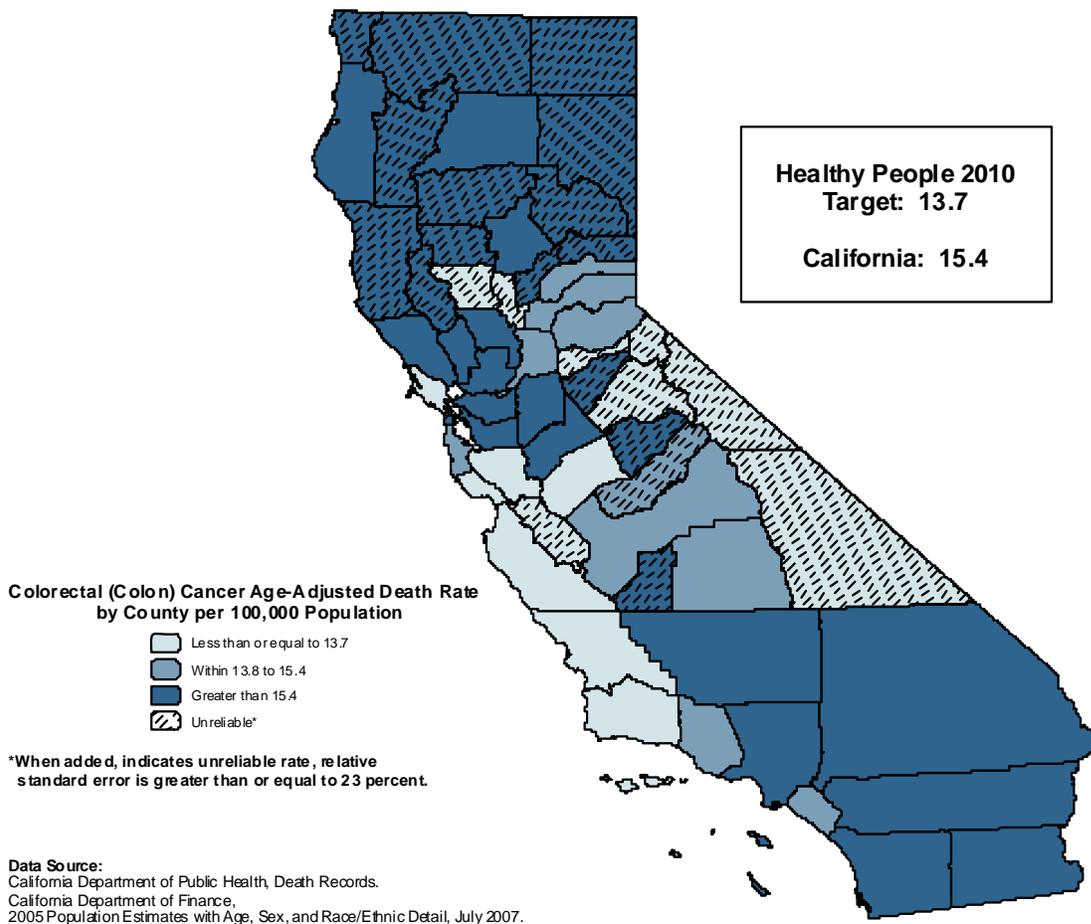
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO COLORECTAL (COLON) CANCER, 2004-2006



The crude death rate from colorectal (colon) cancer for California was 14.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 7,146 persons. This rate was based on a three-year average number of deaths of 5,171.7 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with “reliable” rates, the crude rate ranged from 21.5 in Nevada County to 9.5 in Monterey County, a difference in rates by a factor of 2.3 to 1.

The age-adjusted death rate from colorectal (colon) cancer for California for the three-year period from 2004 to 2006 was 15.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 19.5 in Humboldt County to 10.6 in Marin County.

Fifteen counties (seven 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 (colon) cancer per 100,000 population. The statewide age-adjusted death rate for colorectal (colon) cancer did not meet the national objective.

**TABLE 3  
DEATHS DUE TO COLORECTAL (COLON) CANCER  
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE  
CALIFORNIA COUNTIES, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,307	0.0	-	-	-	-
2	COLUSA	21,469	1.3	6.2 *	6.8 *	0.0	18.3
3	SAN BENITO	57,534	4.3	7.5 *	9.4 *	0.4	18.4
4	MARIN	252,346	33.3	13.2	10.6	7.0	14.3
5	MONO	13,803	1.3	9.7 *	10.8 *	0.0	30.8
6	TUOLUMNE	57,426	9.7	16.8 *	10.8 *	4.0	17.7
7	MONTEREY	422,506	40.3	9.5	10.9	7.5	14.3
8	AMADOR	38,140	6.3	16.6 *	11.0 *	2.4	19.6
9	SANTA BARBARA	418,084	50.0	12.0	11.4	8.2	14.5
10	SUTTER	90,519	10.3	11.4 *	12.1 *	4.7	19.6
11	SAN LUIS OBISPO	261,243	39.3	15.1	12.2	8.4	16.1
12	SANTA CLARA	1,761,082	205.0	11.6	12.7	10.9	14.4
13	MERCED	243,813	23.3	9.6	12.9	7.6	18.2
14	INYO	18,859	3.3	17.7 *	13.3 *	0.0	28.1
15	SANTA CRUZ	261,242	31.7	12.1	13.6	8.8	18.5
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-5)</b>					<b>13.7</b>		
16	MADERA	143,221	19.0	13.3	14.6 *	8.0	21.2
17	VENTURA	813,633	106.7	13.1	14.7	11.9	17.5
18	ORANGE	3,059,060	394.0	12.9	14.7	13.2	16.2
19	PLACER	312,241	52.0	16.7	14.8	10.7	18.8
20	SAN MATEO	722,265	116.7	16.2	15.0	12.2	17.7
21	SACRAMENTO	1,377,538	189.7	13.8	15.1	13.0	17.3
22	TULARE	416,503	48.7	11.7	15.2	10.9	19.4
23	NEVADA	99,303	21.3	21.5	15.2	8.7	21.7
24	EL DORADO	175,619	29.7	16.9	15.4	9.8	21.0
25	FRESNO	891,502	108.7	12.2	15.4	12.5	18.4
<b>CALIFORNIA</b>		<b>36,957,436</b>	<b>5,171.7</b>	<b>14.0</b>	<b>15.4</b>	<b>15.0</b>	<b>15.9</b>
26	MARIPOSA	18,309	4.3	23.7 *	15.5 *	0.8	30.1
27	LOS ANGELES	10,216,326	1,395.7	13.7	15.5	14.7	16.4
28	SAN DIEGO	3,054,778	434.0	14.2	15.6	14.1	17.0
29	IMPERIAL	164,740	21.7	13.2	15.6	9.0	22.2
30	TRINITY	14,375	3.3	23.2 *	15.7 *	0.0	32.9
31	SISKIYOU	45,991	10.3	22.5 *	15.8 *	6.0	25.6
32	SAN FRANCISCO	795,135	147.3	18.5	15.9	13.3	18.5
33	STANISLAUS	510,612	67.3	13.2	16.0	12.2	19.9
34	SAN JOAQUIN	662,014	87.3	13.2	16.1	12.7	19.5
35	ALAMEDA	1,500,324	221.3	14.8	16.3	14.1	18.4
36	YUBA	69,540	9.0	12.9 *	16.4 *	5.6	27.3
37	NAPA	133,784	26.7	19.9	16.5	10.1	22.8
38	BUTTE	215,168	42.0	19.5	16.5	11.4	21.5
39	CALAVERAS	45,124	11.0	24.4 *	16.5 *	6.4	26.7
40	SHASTA	179,482	36.3	20.2	16.6	11.2	22.1
41	MODOC	10,234	2.3	22.8 *	16.6 *	0.0	38.1
42	GLENN	28,558	5.0	17.5 *	16.7 *	2.0	31.3
43	CONTRA COSTA	1,024,242	170.3	16.6	16.9	14.3	19.4
44	LASSEN	35,772	5.0	14.0 *	17.0 *	1.9	32.0
45	RIVERSIDE	1,923,731	291.3	15.1	17.0	15.1	19.0
46	MENDOCINO	90,219	17.3	19.2 *	17.1 *	8.9	25.3
47	KERN	770,151	96.3	12.5	17.4	13.9	21.0
48	SAN BERNARDINO	1,974,119	249.3	12.6	17.6	15.4	19.8
49	YOLO	188,940	25.7	13.6	17.8	10.9	24.7
50	LAKE	63,590	16.3	25.7 *	17.8 *	9.1	26.5
51	TEHAMA	60,954	13.0	21.3 *	18.1 *	8.2	28.0
52	SOLANO	419,753	65.0	15.5	18.3	13.8	22.8
53	SONOMA	478,374	96.0	20.1	19.1	15.2	22.9
54	DEL NORTE	29,342	5.7	19.3 *	19.2 *	3.4	35.1
55	KINGS	146,817	17.0	11.6 *	19.3 *	10.0	28.7
56	PLUMAS	21,577	6.0	27.8 *	19.5 *	3.3	35.7
57	HUMBOLDT	131,410	25.3	19.3	19.5	11.9	27.2
58	SIERRA	3,693	1.0	27.1 *	20.1 *	0.0	59.5

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

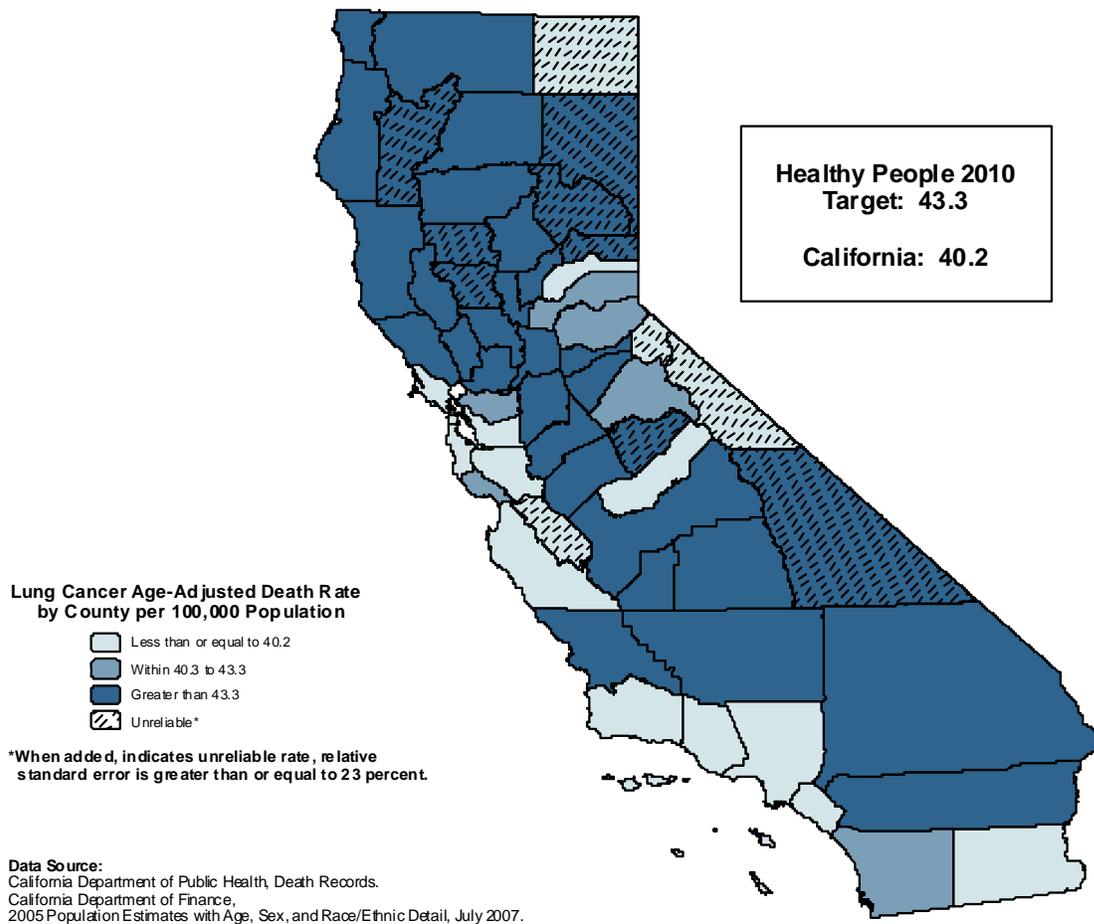
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO LUNG CANCER, 2004-2006



The crude death rate from lung cancer for California was 36.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,778 persons. This rate was based on the three-year average number of deaths of 13,305.7 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 100.6 in Lake County to 28.7 in Santa Clara County, a difference in rates by a factor of 3.5 to 1.

The age-adjusted death rate from lung cancer for California for the three-year period from 2004 to 2006 was 40.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 71.3 in Del Norte County to 31.9 in Santa Clara County.

Twenty-three counties (nineteen 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.

**TABLE 4  
DEATHS DUE TO LUNG CANCER  
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE  
CALIFORNIA COUNTIES, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,307	0.3	25.5 *	17.0 *	0.0	74.7
2	MONO	13,803	3.7	26.6 *	26.4 *	0.0	54.4
3	SAN BENITO	57,534	11.3	19.7 *	26.4 *	10.8	42.0
4	SANTA CLARA	1,761,082	505.7	28.7	31.9	29.1	34.7
5	SANTA BARBARA	418,084	143.7	34.4	33.0	27.5	38.4
6	MARIN	252,346	104.7	41.5	33.5	27.0	40.0
7	LOS ANGELES	10,216,326	3,032.3	29.7	34.3	33.0	35.5
8	NEVADA	99,303	50.7	51.0	35.5	25.6	45.3
9	ORANGE	3,059,060	939.7	30.7	35.7	33.4	38.0
10	MADERA	143,221	47.3	33.0	36.3	25.9	46.8
11	MODOC	10,234	5.3	52.1 *	36.4 *	5.3	67.5
12	IMPERIAL	164,740	50.0	30.4	36.6	26.4	46.8
13	MONTEREY	422,506	136.0	32.2	37.0	30.7	43.2
14	SAN MATEO	722,265	280.3	38.8	37.0	32.7	41.4
15	VENTURA	813,633	275.3	33.8	38.0	33.5	42.6
16	ALAMEDA	1,500,324	533.3	35.5	39.3	35.9	42.7
17	SAN FRANCISCO	795,135	357.3	44.9	39.7	35.5	43.8
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>13,305.7</b>	<b>36.0</b>	<b>40.2</b>	<b>39.5</b>	<b>40.9</b>
18	TUOLUMNE	57,426	36.0	62.7	40.6	27.1	54.0
19	CONTRA COSTA	1,024,242	412.7	40.3	40.7	36.8	44.7
20	SAN DIEGO	3,054,778	1,116.3	36.5	40.9	38.5	43.3
21	SANTA CRUZ	261,242	88.7	33.9	41.3	32.5	50.1
22	EL DORADO	175,619	80.7	45.9	42.2	32.9	51.5
23	PLACER	312,241	150.3	48.1	42.4	35.6	49.2
	<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-2)</b>				<b>43.3</b>		
24	CALAVERAS	45,124	31.3	69.4	43.9	28.3	59.5
25	SAN LUIS OBISPO	261,243	142.0	54.4	44.0	36.8	51.3
26	FRESNO	891,502	306.3	34.4	44.1	39.2	49.1
27	AMADOR	38,140	25.7	67.3	44.4	27.1	61.8
28	LASSEN	35,772	13.0	36.3 *	44.5 *	20.1	69.0
29	SAN BERNARDINO	1,974,119	645.3	32.7	45.7	42.1	49.3
30	SONOMA	478,374	227.3	47.5	45.9	39.8	51.9
31	TULARE	416,503	146.0	35.1	46.1	38.6	53.6
32	MERCED	243,813	83.0	34.0	46.1	36.1	56.1
33	GLENN	28,558	13.7	47.9 *	46.8 *	22.0	71.6
34	COLUSA	21,469	9.0	41.9 *	46.9 *	16.2	77.6
35	MENDOCINO	90,219	49.3	54.7	47.4	34.1	60.7
36	MARIPOSA	18,309	13.3	72.8 *	47.8 *	22.0	73.5
37	SACRAMENTO	1,377,538	599.3	43.5	48.0	44.2	51.9
38	RIVERSIDE	1,923,731	825.0	42.9	48.3	45.0	51.6
39	SIERRA	3,693	3.0	81.2 *	49.1 *	0.0	105.0
40	SUTTER	90,519	43.3	47.9	49.6	34.8	64.4
41	SOLANO	419,753	180.3	43.0	49.9	42.5	57.2
42	NAPA	133,784	80.3	60.0	50.0	39.0	61.1
43	SAN JOAQUIN	662,014	270.3	40.8	50.3	44.3	56.3
44	KINGS	146,817	45.3	30.9	50.7	35.7	65.6
45	KERN	770,151	287.0	37.3	51.7	45.6	57.7
46	YOLO	188,940	75.3	39.9	51.7	39.9	63.4
47	INYO	18,859	15.0	79.5 *	52.0 *	25.6	78.5
48	STANISLAUS	510,612	220.0	43.1	52.5	45.5	59.5
49	PLUMAS	21,577	18.7	86.5 *	54.6 *	29.7	79.4
50	BUTTE	215,168	140.0	65.1	55.6	46.3	64.9
51	HUMBOLDT	131,410	76.0	57.8	56.1	43.3	68.8
52	SISKIYOU	45,991	37.7	81.9	56.3	38.0	74.5
53	TEHAMA	60,954	43.0	70.5	58.7	41.1	76.3
54	SHASTA	179,482	139.7	77.8	64.2	53.5	74.8
55	LAKE	63,590	64.0	100.6	66.3	49.9	82.7
56	TRINITY	14,375	14.7	102.0 *	66.9 *	32.5	101.4
57	YUBA	69,540	39.3	56.6	68.3	46.8	89.8
58	DEL NORTE	29,342	21.3	72.7	71.3	41.0	101.7

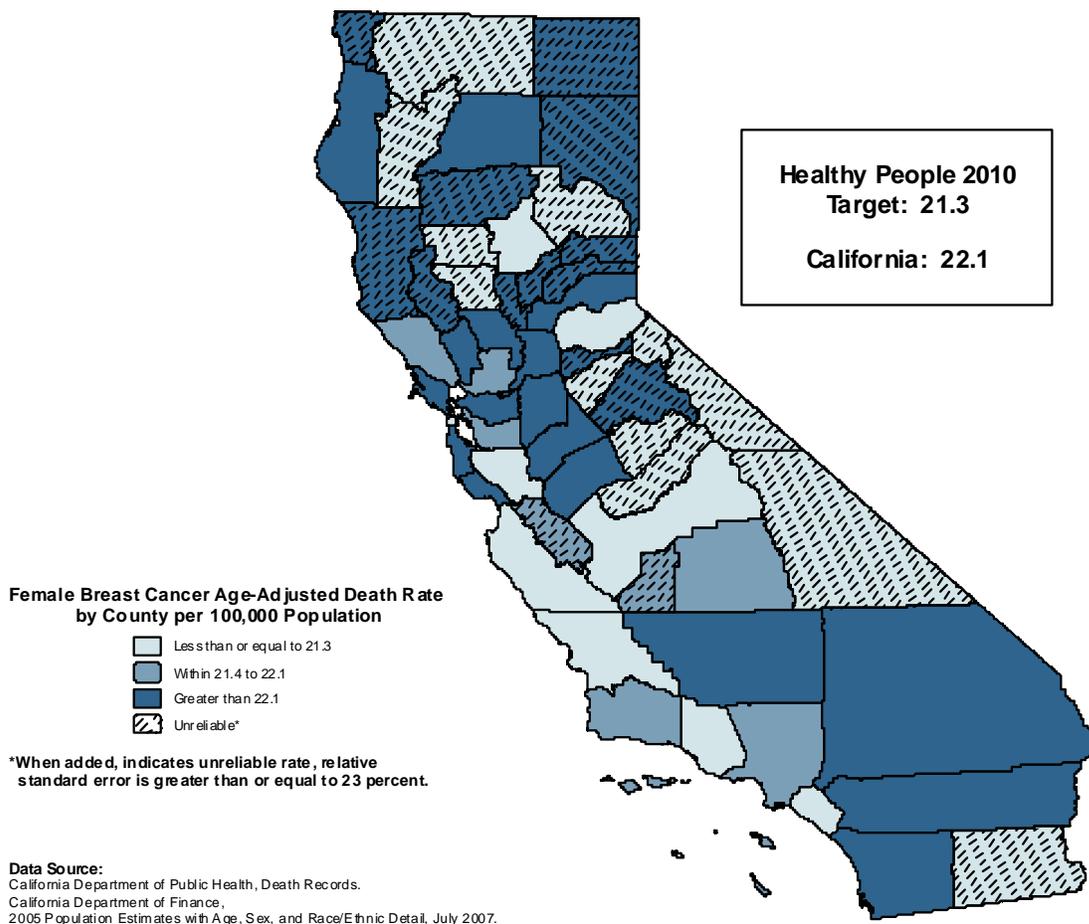
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO FEMALE BREAST CANCER, 2004-2006



The crude death rate from female breast cancer for California was 22.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 4,432 females. This rate was based on a three-year average number of deaths of 4,176.7 from 2004 to 2006 and a population of 18,511,747 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 36.1 in Marin County to 17.8 in Monterey County, a difference in rates by a factor of 2.0 to 1.

The age-adjusted death rate from female breast cancer for California for the three-year period from 2004 to 2006 was 22.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 26.9 in Humboldt County to 18.2 in Monterey County.

Twenty-one counties (nine with reliable age-adjusted death rates) 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. The statewide age-adjusted death rate for female breast cancer did not meet the national objective.

**TABLE 5  
DEATHS DUE TO FEMALE BREAST CANCER  
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE  
CALIFORNIA COUNTIES, 2004-2006**

RANK ORDER	COUNTY	2005 FEMALE POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	626	0.0	-	-	-	-
2	COLUSA	10,530	0.3	3.2 *	3.1 *	0.0	13.8
3	GLENN	14,111	1.3	9.4 *	9.0 *	0.0	24.6
4	TRINITY	7,054	1.0	14.2 *	9.3 *	0.0	27.6
5	INYO	9,524	1.7	17.5 *	10.1 *	0.0	25.9
6	PLUMAS	10,856	2.3	21.5 *	13.1 *	0.0	30.0
7	MONO	6,351	0.7	10.5 *	14.2 *	0.0	49.5
8	SISKIYOU	23,434	5.7	24.2 *	17.2 *	2.5	31.9
9	MONTEREY	205,687	36.7	17.8	18.2	12.3	24.2
10	EL DORADO	87,947	20.7	23.5	18.6	10.5	26.8
11	SANTA CLARA	869,090	171.0	19.7	18.9	16.1	21.7
12	ORANGE	1,539,376	291.7	18.9	18.9	16.7	21.1
13	BUTTE	109,416	27.0	24.7	19.0	11.6	26.4
14	MARIPOSA	8,958	2.3	26.0 *	19.3 *	0.0	45.1
15	IMPERIAL	77,859	14.3	18.4 *	19.5 *	9.4	29.7
16	SAN LUIS OBISPO	127,535	34.0	26.7	19.7	12.9	26.4
17	SAN FRANCISCO	388,329	97.3	25.1	20.1	16.0	24.1
18	CALAVERAS	22,764	7.3	32.2 *	20.2 *	5.0	35.5
19	MADERA	74,139	14.7	19.8 *	20.4 *	9.9	30.8
20	FRESNO	443,313	82.3	18.6	20.9	16.3	25.4
21	VENTURA	405,483	88.7	21.9	21.1	16.7	25.5
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-3)</b>					<b>21.3</b>		
22	SONOMA	242,183	62.3	25.7	21.4	16.0	26.8
23	KINGS	63,653	11.0	17.3 *	21.4 *	8.7	34.1
24	SANTA BARBARA	208,405	50.7	24.3	21.5	15.5	27.5
25	SOLANO	208,263	45.0	21.6	21.6	15.3	28.0
26	ALAMEDA	765,453	175.7	22.9	22.0	18.7	25.3
27	TULARE	207,747	39.7	19.1	22.1	15.2	29.0
28	LOS ANGELES	5,140,037	1,130.7	22.0	22.1	20.8	23.4
29	SAN BENITO	28,404	5.0	17.6 *	22.1 *	2.5	41.7
<b>CALIFORNIA</b>		<b>18,511,747</b>	<b>4,176.7</b>	<b>22.6</b>	<b>22.1</b>	<b>21.4</b>	<b>22.8</b>
30	DEL NORTE	13,203	3.7	27.8 *	22.2 *	0.0	44.9
31	NAPA	67,062	20.3	30.3	22.3	12.3	32.3
32	TUOLUMNE	27,257	10.3	37.9 *	22.5 *	8.3	36.7
33	SUTTER	45,758	11.0	24.0 *	22.7 *	9.2	36.2
34	SAN DIEGO	1,520,429	357.3	23.5	22.7	20.4	25.1
35	CONTRA COSTA	521,669	133.7	25.6	22.9	19.0	26.9
36	YOLO	96,045	19.7	20.5	23.5	13.0	33.9
37	SAN MATEO	363,801	102.0	28.0	23.6	18.9	28.2
38	SHASTA	91,470	28.0	30.6	23.7	14.8	32.5
39	MERCED	121,073	24.0	19.8	23.7	14.2	33.2
40	TEHAMA	30,759	9.0	29.3 *	23.9 *	8.1	39.8
41	SACRAMENTO	701,553	171.7	24.5	24.0	20.4	27.6
42	RIVERSIDE	965,746	227.3	23.5	24.2	21.0	27.3
43	YUBA	34,497	7.7	22.2 *	24.2 *	7.1	41.4
44	NEVADA	49,869	18.0	36.1 *	24.3 *	12.8	35.7
45	KERN	375,991	76.0	20.2	24.4	18.9	29.9
46	LAKE	32,012	11.7	36.4 *	24.6 *	10.1	39.0
47	STANISLAUS	259,832	58.0	22.3	24.7	18.3	31.0
48	PLACER	159,825	47.7	29.8	24.8	17.7	31.9
49	MENDOCINO	45,222	14.3	31.7 *	25.2 *	12.0	38.5
50	SAN JOAQUIN	332,017	76.3	23.0	25.4	19.7	31.1
51	SAN BERNARDINO	988,084	212.3	21.5	25.4	22.0	28.8
52	MARIN	127,314	46.0	36.1	26.1	18.4	33.8
53	AMADOR	17,255	7.3	42.5 *	26.2 *	6.9	45.4
54	SANTA CRUZ	130,819	34.3	26.2	26.5	17.4	35.6
55	SIERRA	1,828	0.7	36.5 *	26.5 *	0.0	90.4
56	HUMBOLDT	66,282	20.0	30.2	26.9	15.0	38.7
57	LASSEN	13,498	4.7	34.6 *	31.6 *	2.7	60.6
58	MODOC	5,050	2.7	52.8 *	36.6 *	0.0	80.9

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

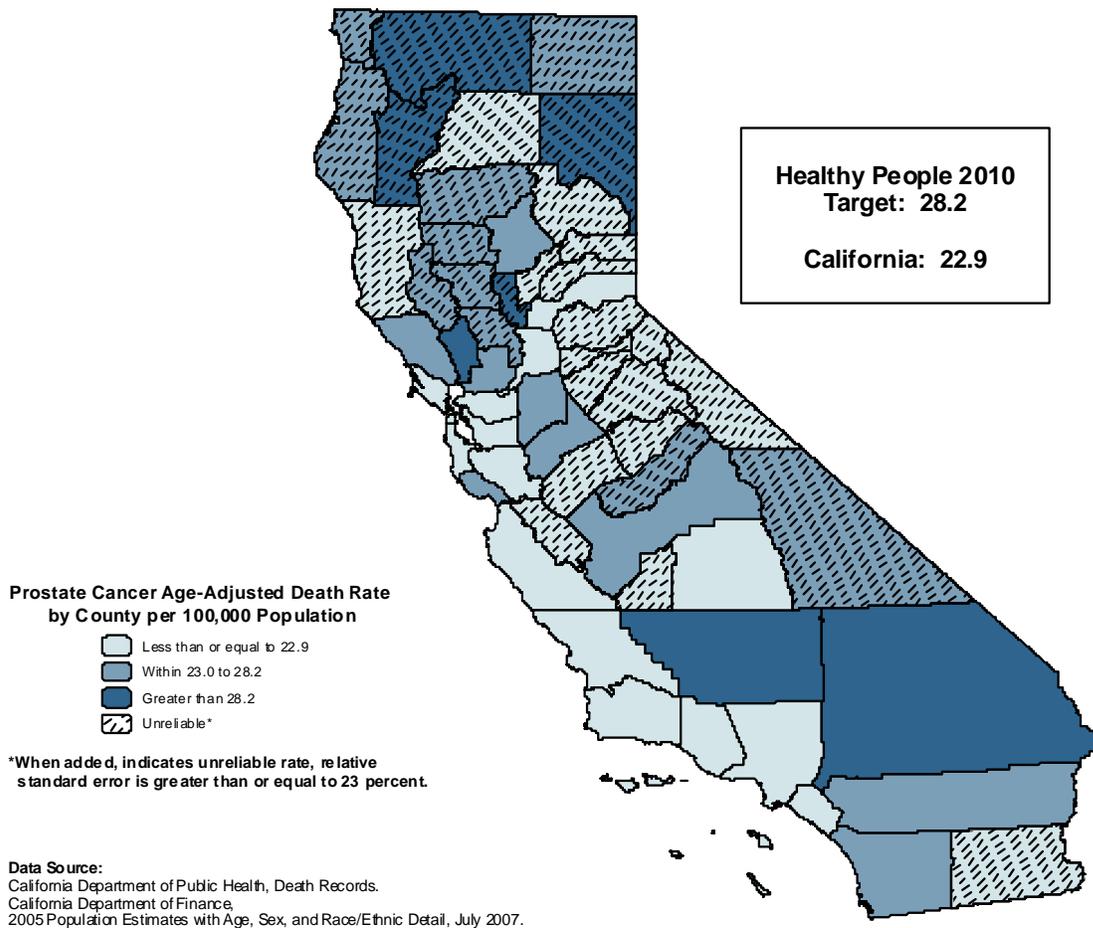
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO PROSTATE CANCER, 2004-2006



The crude death rate from male prostate cancer for California was 16.2 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 6,185 males. This rate was based on a three-year average number of deaths of 2,982.3 from 2004 to 2006 and a population of 18,445,689 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 32.0 in Napa County to 12.9 in Tulare County, a difference in rates by a factor of 2.5 to 1.

The age-adjusted death rate from male prostate cancer for California for the three-year period from 2004 to 2006 was 22.9 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 31.0 in Kern County to 15.8 in San Francisco County.

Fifty-one counties (twenty-four 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 male prostate cancer per 100,000 population.

**TABLE 6  
MALE DEATHS DUE TO PROSTATE CANCER  
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE  
CALIFORNIA COUNTIES, 2004-2006**

RANK ORDER	COUNTY	2005 MALE POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	681	0.0	-	-	-	-
2	SIERRA	1,865	0.3	17.9 *	11.2 *	0.0	49.4
3	MONO	7,452	0.7	8.9 *	11.9 *	0.0	40.9
4	SAN BENITO	29,130	2.3	8.0 *	12.3 *	0.0	28.9
5	AMADOR	20,885	3.7	17.6 *	14.9 *	0.0	30.4
6	MARIPOSA	9,351	2.0	21.4 *	14.9 *	0.0	35.7
7	SAN FRANCISCO	406,806	60.0	14.7	15.8	11.8	19.8
8	CALAVERAS	22,360	5.3	23.9 *	16.5 *	2.3	30.7
9	SAN LUIS OBISPO	133,708	26.0	19.4	18.8	11.6	26.1
10	SANTA CLARA	891,992	116.0	13.0	19.0	15.5	22.5
11	TUOLUMNE	30,169	7.7	25.4 *	19.1 *	5.4	32.8
12	MONTEREY	216,819	29.7	13.7	19.7	12.6	26.8
13	PLUMAS	10,721	3.0	28.0 *	20.6 *	0.0	44.2
14	IMPERIAL	86,881	12.0	13.8 *	20.7 *	8.8	32.7
15	MENDOCINO	44,997	9.0	20.0 *	21.0 *	7.1	34.8
16	SAN MATEO	358,464	64.3	17.9	21.1	15.9	26.3
17	KINGS	83,164	7.0	8.4 *	21.2 *	5.0	37.3
18	LOS ANGELES	5,076,289	734.3	14.5	21.2	19.7	22.8
19	EL DORADO	87,672	16.0	18.2 *	21.2 *	10.7	31.8
20	CONTRA COSTA	502,573	82.7	16.4	21.5	16.8	26.2
21	VENTURA	408,150	61.0	14.9	21.6	16.1	27.1
22	SANTA BARBARA	209,679	40.0	19.1	21.7	15.0	28.4
23	NEVADA	49,434	12.7	25.6 *	21.8 *	9.7	34.0
24	ALAMEDA	734,871	113.0	15.4	21.8	17.8	25.9
25	MARIN	125,032	28.3	22.7	21.9	13.8	30.0
26	TULARE	208,756	27.0	12.9	22.0	13.6	30.3
27	SHASTA	88,012	19.0	21.6	22.0 *	12.0	32.0
28	YUBA	35,043	4.7	13.3 *	22.5 *	1.7	43.3
29	ORANGE	1,519,684	224.7	14.8	22.7	19.7	25.7
30	SACRAMENTO	675,985	107.7	15.9	22.8	18.4	27.1
31	PLACER	152,416	33.0	21.7	22.8	15.0	30.6
32	MERCED	122,740	15.0	12.2 *	22.8 *	11.2	34.5
	<b>CALIFORNIA</b>	<b>18,445,689</b>	<b>2,982.3</b>	<b>16.2</b>	<b>22.9</b>	<b>22.1</b>	<b>23.7</b>
33	BUTTE	105,752	25.3	24.0	23.0	14.0	31.9
34	COLUSA	10,939	2.0	18.3 *	23.0 *	0.0	55.2
35	TEHAMA	30,195	7.3	24.3 *	23.4 *	6.3	40.5
36	STANISLAUS	250,780	39.0	15.6	24.1	16.4	31.7
37	FRESNO	448,189	67.0	14.9	24.9	18.9	30.9
38	SOLANO	211,490	35.7	16.9	25.3	16.8	33.8
39	SAN DIEGO	1,534,349	281.3	18.3	25.5	22.5	28.5
40	MADERA	69,082	13.7	19.8 *	25.9 *	11.9	39.9
41	DEL NORTE	16,139	3.3	20.7 *	25.9 *	0.0	54.1
42	INYO	9,335	3.3	35.7 *	26.8 *	0.0	55.7
43	SAN JOAQUIN	329,997	57.0	17.3	26.9	19.9	33.9
44	SONOMA	236,191	54.3	23.0	26.9	19.7	34.2
45	SANTA CRUZ	130,423	22.3	17.1	27.0	15.7	38.3
46	LAKE	31,578	11.0	34.8 *	27.1 *	10.8	43.3
47	GLENN	14,447	3.3	23.1 *	27.2 *	0.0	56.5
48	MODOC	5,184	1.7	32.2 *	27.4 *	0.0	68.9
49	HUMBOLDT	65,128	14.0	21.5 *	27.4 *	12.9	41.9
50	RIVERSIDE	957,985	195.3	20.4	27.5	23.6	31.4
51	YOLO	92,895	15.7	16.9 *	27.7 *	13.9	41.5
	<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-7)</b>				<b>28.2</b>		
52	SISKIYOU	22,557	8.7	38.4 *	28.3 *	9.4	47.2
53	NAPA	66,722	21.3	32.0	29.6	17.0	42.2
54	SAN BERNARDINO	986,035	152.7	15.5	30.1	25.2	35.0
55	LASSEN	22,274	3.7	16.5 *	30.1 *	0.0	62.0
56	KERN	394,160	61.7	15.6	31.0	23.0	39.0
57	SUTTER	44,761	11.0	24.6 *	32.3 *	13.0	51.5
58	TRINITY	7,321	2.7	36.4 *	32.7 *	0.0	72.8

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

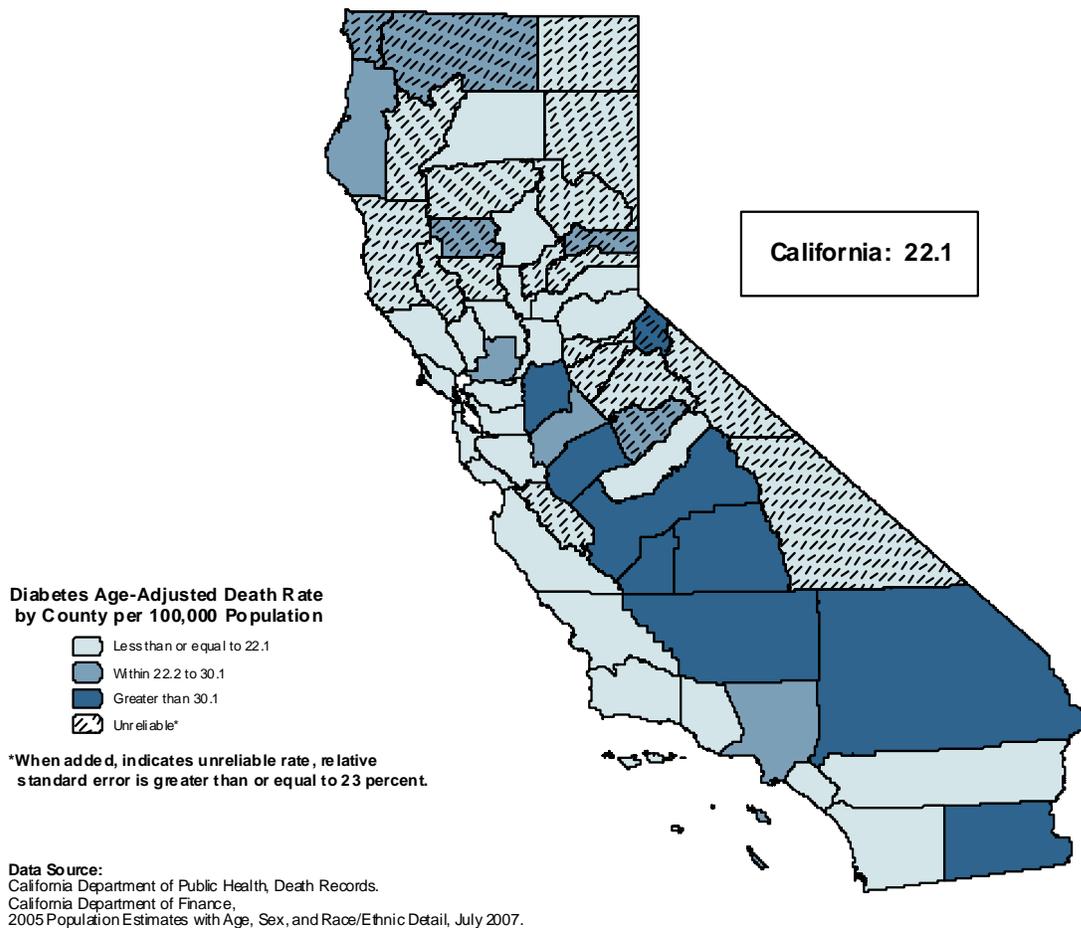
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO DIABETES, 2004-2006



The crude death rate from diabetes for California was 20.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 5,002 persons. This rate was based on a three-year average number of deaths of 7,388.3 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 28.8 in San Joaquin County to 12.3 in Marin County, a difference in rates by a factor of 2.3 to 1.

The age-adjusted death rate from diabetes for California for the three-year period from 2004 to 2006 was 22.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 44.4 in Kings County to 10.0 in Marin County.

The Healthy People 2010 National Objective 5-5 for diabetes mortality is based on both underlying and contributing causes of death. Multiple causes of death data for 2006 are not yet available for California. 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, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (5-5)</b>					<b>NOTE</b>		
1	MONO	13,803	0.7	4.8 *	3.7 *	0.0	12.6
2	CALAVERAS	45,124	5.3	11.8 *	7.9 *	1.1	14.7
3	MARIN	252,346	31.0	12.3	10.0	6.4	13.5
4	SAN MATEO	722,265	95.3	13.2	12.2	9.7	14.6
5	AMADOR	38,140	6.7	17.5 *	12.2 *	2.8	21.6
6	SAN BENITO	57,534	5.0	8.7 *	12.6 *	1.5	23.7
7	EL DORADO	175,619	24.3	13.9	12.8	7.6	18.1
8	PLACER	312,241	48.7	15.6	13.5	9.7	17.3
9	SAN FRANCISCO	795,135	127.3	16.0	13.7	11.3	16.1
10	LAKE	63,590	12.7	19.9 *	13.9 *	6.2	21.6
11	SAN LUIS OBISPO	261,243	45.7	17.5	14.0	9.9	18.1
12	SHASTA	179,482	30.7	17.1	14.4	9.3	19.5
13	NEVADA	99,303	18.7	18.8 *	14.5 *	7.7	21.3
14	TUOLUMNE	57,426	12.7	22.1 *	14.7 *	6.4	23.0
15	SANTA CRUZ	261,242	36.0	13.8	15.7	10.4	20.9
16	PLUMAS	21,577	5.3	24.7 *	15.7 *	2.3	29.1
17	ORANGE	3,059,060	461.7	15.1	17.4	15.8	19.0
18	NAPA	133,784	29.0	21.7	17.4	11.0	23.8
19	SANTA BARBARA	418,084	77.3	18.5	17.6	13.6	21.5
20	MONTEREY	422,506	66.0	15.6	17.8	13.5	22.1
21	SONOMA	478,374	93.3	19.5	18.4	14.6	22.2
22	BUTTE	215,168	46.3	21.5	18.5	13.1	23.9
23	LASSEN	35,772	5.7	15.8 *	18.8 *	3.1	34.5
24	COLUSA	21,469	3.7	17.1 *	19.1 *	0.0	38.8
25	MENDOCINO	90,219	19.3	21.4	19.1 *	10.5	27.8
26	CONTRA COSTA	1,024,242	195.0	19.0	19.3	16.6	22.1
27	VENTURA	813,633	140.3	17.2	19.4	16.2	22.6
28	TEHAMA	60,954	14.3	23.5 *	19.6 *	9.4	29.8
29	MODOC	10,234	3.0	29.3 *	19.8 *	0.0	42.2
30	SANTA CLARA	1,761,082	322.0	18.3	20.3	18.1	22.5
31	SACRAMENTO	1,377,538	260.3	18.9	20.8	18.2	23.3
32	INYO	18,859	6.0	31.8 *	20.9 *	4.1	37.7
33	SAN DIEGO	3,054,778	582.3	19.1	21.1	19.3	22.8
34	YUBA	69,540	11.3	16.3 *	21.1 *	8.7	33.5
35	ALAMEDA	1,500,324	292.0	19.5	21.2	18.8	23.7
36	RIVERSIDE	1,923,731	365.3	19.0	21.3	19.1	23.4
37	TRINITY	14,375	4.0	27.8 *	21.3 *	0.0	43.0
38	MADERA	143,221	27.7	19.3	21.6	13.5	29.6
39	SUTTER	90,519	19.0	21.0	21.6	11.9	31.3
40	YOLO	188,940	32.0	16.9	21.8	14.2	29.4
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>7,388.3</b>	<b>20.0</b>	<b>22.1</b>	<b>21.6</b>	<b>22.6</b>
41	MARIPOSA	18,309	6.0	32.8 *	23.0 *	4.5	41.5
42	HUMBOLDT	131,410	31.7	24.1	23.6	15.3	31.9
43	LOS ANGELES	10,216,326	2,231.7	21.8	25.0	23.9	26.0
44	SIERRA	3,693	1.3	36.1 *	25.3 *	0.0	68.4
45	STANISLAUS	510,612	106.7	20.9	25.3	20.5	30.1
46	SISKIYOU	45,991	17.3	37.7 *	26.2 *	13.6	38.9
47	SOLANO	419,753	103.7	24.7	28.4	22.9	33.9
48	DEL NORTE	29,342	8.7	29.5 *	29.3 *	9.7	48.8
49	GLENN	28,558	8.7	30.3 *	29.8 *	9.9	49.6
50	IMPERIAL	164,740	41.0	24.9	30.3	21.0	39.7
51	SAN BERNARDINO	1,974,119	432.3	21.9	30.5	27.6	33.4
52	MERCED	243,813	57.3	23.5	32.0	23.7	40.4
53	TULARE	416,503	105.0	25.2	32.7	26.4	39.0
54	FRESNO	891,502	232.7	26.1	33.0	28.8	37.3
55	KERN	770,151	191.0	24.8	34.3	29.4	39.3
56	SAN JOAQUIN	662,014	190.3	28.8	34.9	29.9	39.9
57	KINGS	146,817	39.3	26.8	44.4	30.2	58.5
58	ALPINE	1,307	0.7	51.0 *	55.8 *	0.0	195.1

\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

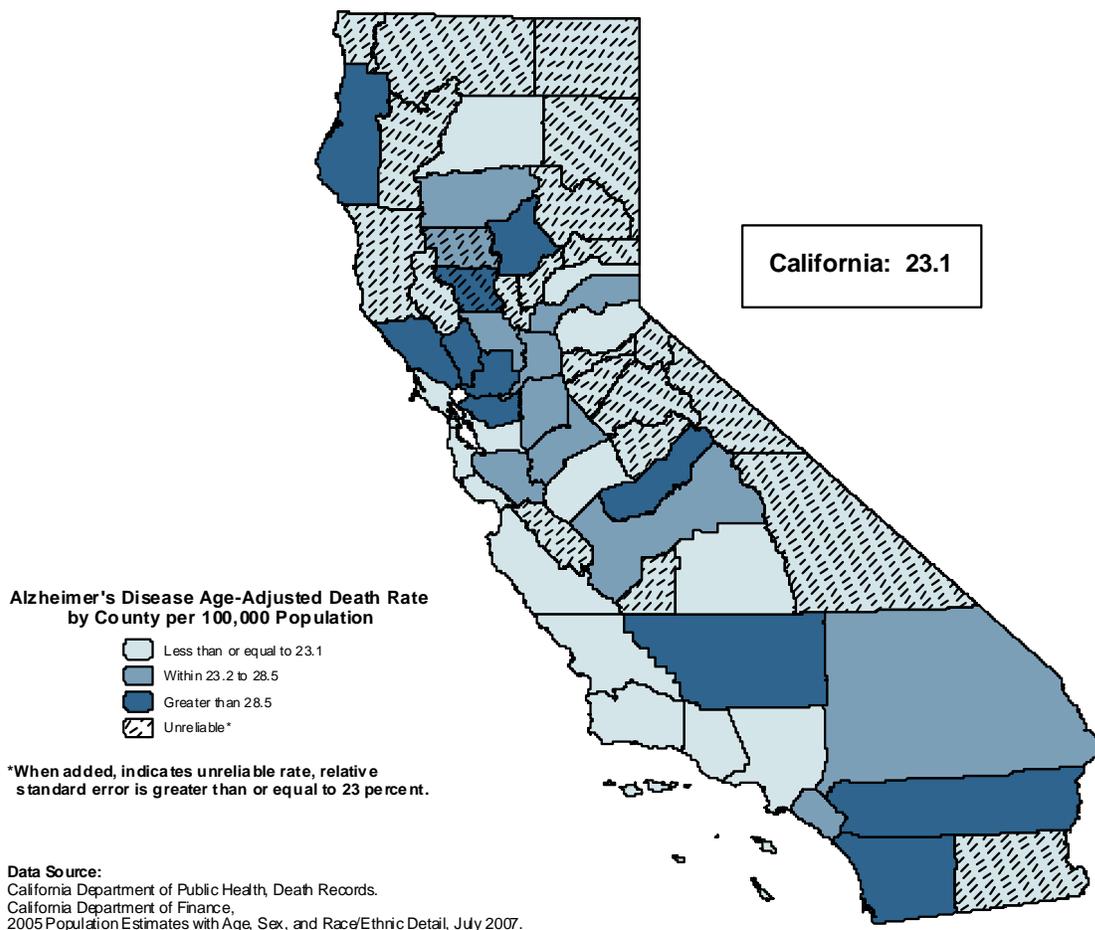
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.

Healthy People 2010 objective is based on both underlying and contributing cause of death. This report excludes multiple/contributing cause of death.

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO ALZHEIMER'S DISEASE, 2004-2006



The crude death rate from Alzheimer's disease for California was 20.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 4,863 persons. This rate was based on a three-year average number of deaths of 7,599.0 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 57.1 in Napa County to 7.2 in Tulare County, a difference in rates by a factor of 7.9 to 1.

The age-adjusted death rate from Alzheimer's disease for California for the three-year period from 2004 to 2006 was 23.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 40.7 in Napa County to 9.9 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, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:</b>					<b>NONE</b>		
1	ALPINE	1,307	0.0	-	-	-	-
2	INYO	18,859	1.0	5.3 *	3.2 *	0.0	9.4
3	SIERRA	3,693	0.3	9.0 *	4.8 *	0.0	21.2
4	MONO	13,803	0.7	4.8 *	8.3 *	0.0	28.4
5	IMPERIAL	164,740	10.7	6.5 *	8.8 *	3.5	14.1
6	YUBA	69,540	4.3	6.2 *	9.1 *	0.5	17.8
7	TRINITY	14,375	1.7	11.6 *	9.6 *	0.0	24.2
8	TULARE	416,503	30.0	7.2	9.9	6.4	13.5
9	CALAVERAS	45,124	7.3	16.3 *	10.9 *	3.0	18.8
10	LASSEN	35,772	3.0	8.4 *	12.1 *	0.0	25.7
11	PLUMAS	21,577	4.0	18.5 *	12.7 *	0.2	25.2
12	SAN BENITO	57,534	5.0	8.7 *	13.3 *	1.6	24.9
13	MARIPOSA	18,309	3.3	18.2 *	13.3 *	0.0	27.6
14	MONTEREY	422,506	52.7	12.5	13.9	10.1	17.6
15	MENDOCINO	90,219	14.7	16.3 *	13.9 *	6.8	21.0
16	MODOC	10,234	2.0	19.5 *	14.0 *	0.0	33.4
17	DEL NORTE	29,342	4.0	13.6 *	14.2 *	0.3	28.1
18	NEVADA	99,303	19.3	19.5	14.4	8.0	20.8
19	SAN FRANCISCO	795,135	151.3	19.0	14.6	12.3	17.0
20	TUOLUMNE	57,426	13.3	23.2 *	14.9 *	6.9	22.8
21	AMADOR	38,140	8.3	21.8 *	15.2 *	4.9	25.6
22	LAKE	63,590	14.0	22.0 *	15.7 *	7.4	23.9
23	ALAMEDA	1,500,324	227.3	15.2	16.5	14.3	18.6
24	SISKIYOU	45,991	11.7	25.4 *	16.6 *	7.1	26.1
25	SANTA CRUZ	261,242	40.7	15.6	16.6	11.4	21.8
26	MERCED	243,813	27.3	11.2	16.8	10.5	23.1
27	LOS ANGELES	10,216,326	1,480.0	14.5	16.8	16.0	17.7
28	SAN LUIS OBISPO	261,243	61.3	23.5	17.7	13.3	22.2
29	KINGS	146,817	14.3	9.8 *	18.7 *	9.0	28.4
30	SUTTER	90,519	16.3	18.0 *	19.5 *	10.0	28.9
31	SAN MATEO	722,265	167.7	23.2	20.1	17.1	23.2
32	EL DORADO	175,619	35.3	20.1	20.4	13.7	27.1
33	SANTA BARBARA	418,084	100.3	24.0	20.5	16.5	24.6
34	VENTURA	813,633	150.3	18.5	21.5	18.1	25.0
35	MARIN	252,346	75.3	29.9	21.9	16.9	26.9
36	SHASTA	179,482	46.0	25.6	22.3	15.9	28.8
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>7,599.0</b>	<b>20.6</b>	<b>23.1</b>	<b>22.6</b>	<b>23.6</b>
37	ORANGE	3,059,060	617.3	20.2	23.8	21.9	25.6
38	STANISLAUS	510,612	97.3	19.1	23.9	19.2	28.7
39	SAN JOAQUIN	662,014	129.0	19.5	24.6	20.4	28.9
40	SANTA CLARA	1,761,082	380.0	21.6	24.8	22.3	27.2
41	YOLO	188,940	35.3	18.7	24.9	16.7	33.2
42	FRESNO	891,502	173.7	19.5	25.7	21.9	29.5
43	GLENN	28,558	8.0	28.0 *	26.1 *	8.0	44.2
44	SACRAMENTO	1,377,538	312.0	22.6	26.1	23.2	29.0
45	TEHAMA	60,954	20.0	32.8	27.1	15.2	39.0
46	SAN BERNARDINO	1,974,119	339.0	17.2	28.3	25.3	31.3
47	PLACER	312,241	104.7	33.5	28.3	22.8	33.7
48	CONTRA COSTA	1,024,242	281.7	27.5	28.7	25.3	32.0
49	SONOMA	478,374	158.0	33.0	28.9	24.4	33.4
50	RIVERSIDE	1,923,731	520.7	27.1	30.3	27.7	32.9
51	BUTTE	215,168	90.3	42.0	31.0	24.6	37.4
52	MADERA	143,221	39.3	27.5	32.5	22.3	42.6
53	KERN	770,151	156.7	20.3	34.1	28.8	39.5
54	SOLANO	419,753	118.3	28.2	36.5	29.9	43.1
55	SAN DIEGO	3,054,778	1,076.7	35.2	38.0	35.7	40.3
56	COLUSA	21,469	7.7	35.7 *	38.9 *	11.3	66.5
57	HUMBOLDT	131,410	52.0	39.6	40.5	29.5	51.6
58	NAPA	133,784	76.3	57.1	40.7	31.4	49.9

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

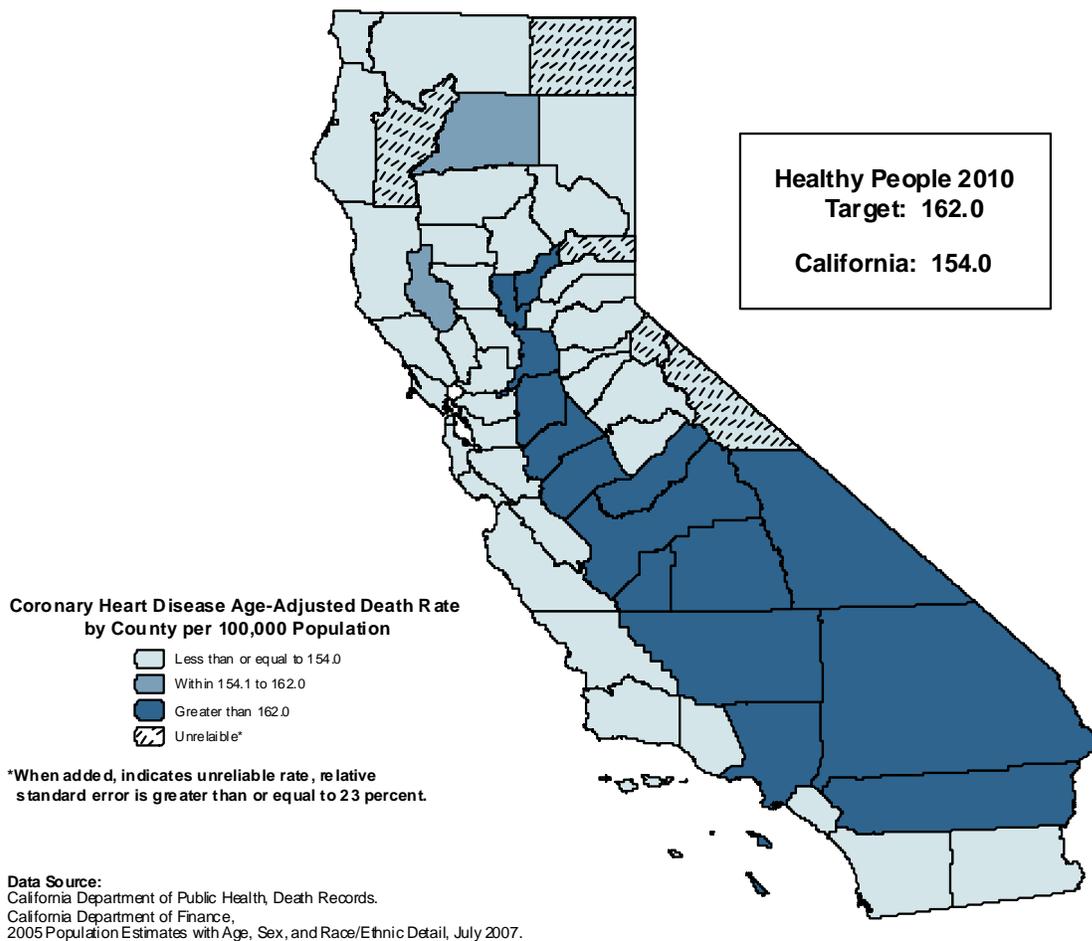
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO CORONARY HEART DISEASE, 2004-2006



The crude death rate from coronary heart disease for California was 138.7 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 721 persons. This rate was based on a three-year average number of deaths of 51,246.3 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 268.7 in Inyo County to 81.1 in San Benito County, a difference in rates by a factor of 3.3 to 1.

The age-adjusted death rate from coronary heart disease for California for the three-year period from 2004 to 2006 was 154.0 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 250.8 in Kern County to 91.0 in Plumas County.

Forty-three counties (thirty-eight 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.

**TABLE 9  
DEATHS DUE TO CORONARY HEART DISEASE  
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE  
CALIFORNIA COUNTIES, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,307	0.7	51.0 *	46.1 *	0.0	159.5
2	SIERRA	3,693	4.0	108.3 *	64.3 *	0.6	128.0
3	MONO	13,803	8.3	60.4 *	71.1 *	19.4	122.9
4	PLUMAS	21,577	29.3	135.9	91.0	57.4	124.6
5	MARIN	252,346	312.0	123.6	93.6	83.1	104.1
6	TRINITY	14,375	18.3	127.5 *	95.3 *	50.2	140.5
7	NAPA	133,784	192.3	143.8	109.7	93.9	125.4
8	SAN MATEO	722,265	888.3	123.0	110.6	103.3	117.9
9	SANTA CLARA	1,761,082	1,781.0	101.1	112.9	107.7	118.2
10	MONTEREY	422,506	425.3	100.7	113.1	102.3	123.8
11	SAN BENITO	57,534	46.7	81.1	113.4	80.5	146.3
12	CONTRA COSTA	1,024,242	1,148.7	112.1	114.9	108.2	121.6
13	MODOC	10,234	16.3	159.6 *	116.3 *	59.0	173.6
14	TUOLUMNE	57,426	105.0	182.8	118.3	95.4	141.3
15	NEVADA	99,303	161.0	162.1	118.4	99.9	136.8
16	SISKIYOU	45,991	80.7	175.4	119.1	92.7	145.5
17	SANTA CRUZ	261,242	278.0	106.4	119.9	105.5	134.4
18	SAN LUIS OBISPO	261,243	404.3	154.8	120.7	108.9	132.5
19	CALAVERAS	45,124	86.0	190.6	122.7	96.4	148.9
20	EL DORADO	175,619	229.3	130.6	124.0	107.8	140.2
21	MARIPOSA	18,309	32.7	178.4	125.8	82.2	169.3
22	YOLO	188,940	183.7	97.2	125.8	107.5	144.1
23	PLACER	312,241	456.3	146.1	125.8	114.2	137.4
24	COLUSA	21,469	24.7	114.9	126.6	76.5	176.7
25	SAN FRANCISCO	795,135	1,223.0	153.8	127.4	120.2	134.6
26	IMPERIAL	164,740	168.7	102.4	127.9	108.4	147.4
27	SOLANO	419,753	445.7	106.2	128.1	116.1	140.1
28	SONOMA	478,374	683.7	142.9	128.5	118.8	138.2
29	MENDOCINO	90,219	137.3	152.2	130.0	108.1	151.9
30	SANTA BARBARA	418,084	611.3	146.2	132.3	121.7	142.9
31	ALAMEDA	1,500,324	1,834.7	122.3	133.1	126.9	139.2
32	SAN DIEGO	3,054,778	3,774.3	123.6	134.4	130.1	138.7
33	LASSEN	35,772	40.0	111.8	137.4	94.2	180.7
34	GLENN	28,558	42.0	147.1	138.8	96.8	180.8
35	TEHAMA	60,954	104.3	171.2	143.7	116.0	171.3
36	VENTURA	813,633	1,034.0	127.1	144.7	135.9	153.6
37	DEL NORTE	29,342	43.0	146.5	145.8	102.1	189.4
38	ORANGE	3,059,060	3,902.0	127.6	148.1	143.4	152.7
39	BUTTE	215,168	399.3	185.6	148.4	133.7	163.1
40	AMADOR	38,140	84.7	222.0	152.9	120.0	185.7
41	HUMBOLDT	131,410	201.0	153.0	153.9	132.5	175.2
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>51,246.3</b>	<b>138.7</b>	<b>154.0</b>	<b>152.6</b>	<b>155.3</b>
42	LAKE	63,590	144.0	226.5	157.9	131.8	184.1
43	SHASTA	179,482	336.0	187.2	159.0	141.9	176.1
	<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (12-1)</b>			<b>162.0</b>			
44	KINGS	146,817	138.7	94.4	162.4	134.9	189.9
45	MADERA	143,221	210.3	146.9	166.3	143.7	188.8
46	SACRAMENTO	1,377,538	2,055.0	149.2	166.9	159.6	174.1
47	FRESNO	891,502	1,154.3	129.5	167.4	157.7	177.1
48	INYO	18,859	50.7	268.7	167.7	121.2	214.2
49	LOS ANGELES	10,216,326	15,102.7	147.8	169.7	166.9	172.4
50	SUTTER	90,519	147.7	163.1	173.0	145.0	200.9
51	MERCED	243,813	306.0	125.5	176.7	156.8	196.6
52	TULARE	416,503	570.3	136.9	183.3	168.2	198.4
53	RIVERSIDE	1,923,731	3,241.3	168.5	188.7	182.2	195.2
54	YUBA	69,540	107.7	154.8	198.6	160.7	236.4
55	STANISLAUS	510,612	856.3	167.7	206.6	192.8	220.5
56	SAN JOAQUIN	662,014	1,119.3	169.1	209.4	197.1	221.7
57	SAN BERNARDINO	1,974,119	2,784.3	141.0	211.0	203.1	218.9
58	KERN	770,151	1,279.7	166.2	250.8	236.9	264.7

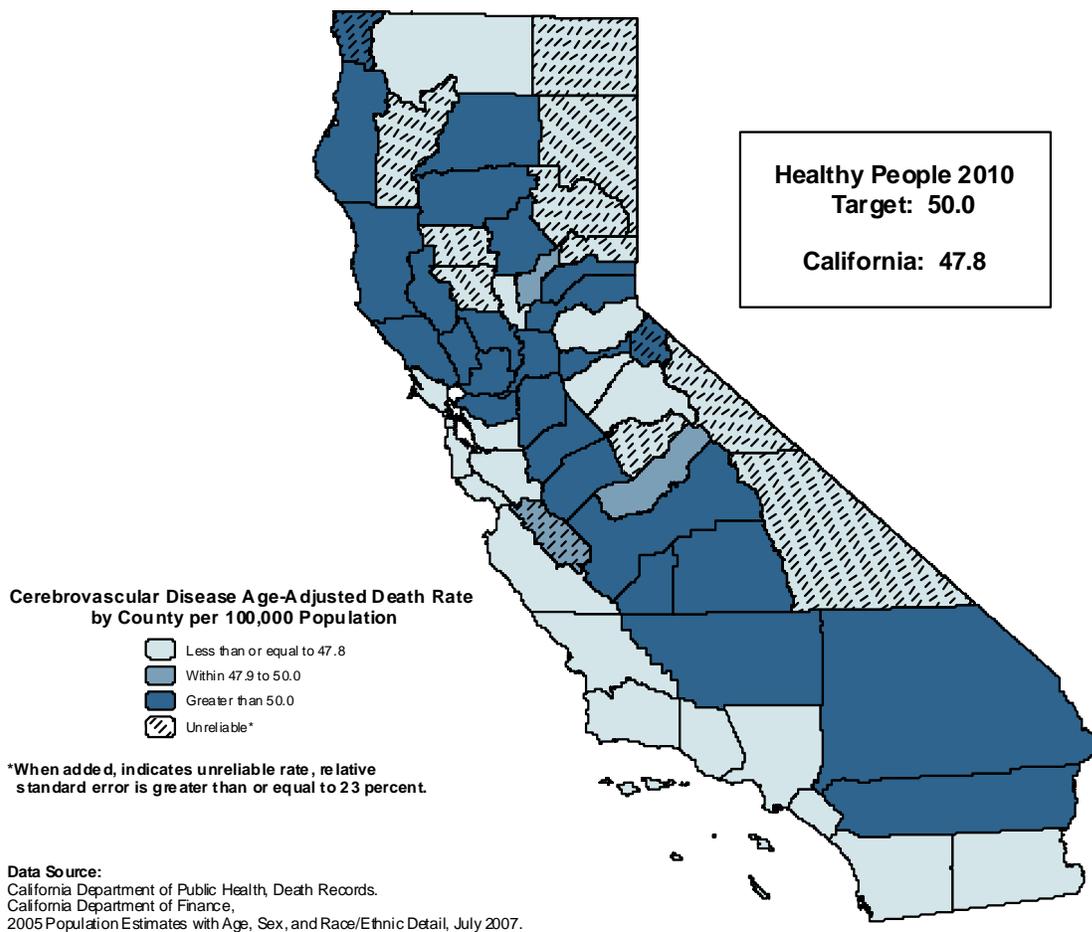
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE), 2004-2006



The crude death rate from cerebrovascular disease for California was 42.8 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,337 persons. This rate was based on a three-year average number of deaths of 15,815.3 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 83.2 in Nevada County to 32.0 in Imperial County, a difference in rates by a factor of 2.6 to 1.

The age-adjusted death rate from cerebrovascular disease for California for the three-year period from 2004 to 2006 was 47.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 68.7 in Humboldt County to 37.6 in Santa Clara County.

Thirty-two counties (twenty-one 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.

**TABLE 10  
DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE)  
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE  
CALIFORNIA COUNTIES, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	SIERRA	3,693	0.7	18.1 *	11.7 *	0.0	40.1
2	INYO	18,859	7.3	38.9 *	24.3 *	6.7	41.8
3	MONO	13,803	2.7	19.3 *	28.6 *	0.0	64.2
4	SANTA CLARA	1,761,082	586.3	33.3	37.6	34.5	40.6
5	EL DORADO	175,619	70.3	40.0	39.0	29.8	48.2
6	LASSEN	35,772	10.3	28.9 *	39.2 *	15.2	63.1
7	CALAVERAS	45,124	27.3	60.6	39.3	24.5	54.1
8	IMPERIAL	164,740	52.7	32.0	40.4	29.4	51.4
9	GLENN	28,558	12.0	42.0 *	40.5 *	17.5	63.4
10	VENTURA	813,633	289.0	35.5	40.7	36.0	45.4
11	TUOLUMNE	57,426	37.3	65.0	41.7	28.3	55.2
12	SANTA CRUZ	261,242	97.3	37.3	42.1	33.6	50.7
13	TRINITY	14,375	8.0	55.7 *	42.4 *	12.7	72.1
14	LOS ANGELES	10,216,326	3,840.7	37.6	43.3	41.9	44.7
15	MONTEREY	422,506	165.0	39.1	43.9	37.2	50.6
16	SAN MATEO	722,265	358.0	49.6	44.1	39.5	48.7
17	MARIN	252,346	148.0	58.6	44.5	37.2	51.7
18	SAN DIEGO	3,054,778	1,262.7	41.3	45.0	42.5	47.5
19	SAN FRANCISCO	795,135	439.7	55.3	45.3	41.1	49.6
20	SANTA BARBARA	418,084	212.7	50.9	45.5	39.3	51.6
21	SAN LUIS OBISPO	261,243	155.0	59.3	45.6	38.4	52.8
22	PLUMAS	21,577	14.7	68.0 *	45.8 *	22.3	69.3
23	MODOC	10,234	6.7	65.1 *	46.0 *	11.1	81.0
24	ALAMEDA	1,500,324	642.7	42.8	46.7	43.0	50.3
25	SISKIYOU	45,991	32.7	71.0	46.8	30.7	62.9
26	COLUSA	21,469	9.0	41.9 *	47.3 *	16.3	78.2
27	MARIPOSA	18,309	11.7	63.7 *	47.3 *	20.0	74.7
28	ORANGE	3,059,060	1,251.0	40.9	47.6	45.0	50.3
29	SUTTER	90,519	40.3	44.6	47.8	33.0	62.6
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>15,815.3</b>	<b>42.8</b>	<b>47.8</b>	<b>47.0</b>	<b>48.5</b>
30	SAN BENITO	57,534	19.0	33.0	48.2 *	26.4	70.0
31	MADERA	143,221	61.3	42.8	49.0	36.7	61.3
32	YUBA	69,540	26.3	37.9	49.3	30.2	68.3
	<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (12-7)</b>				<b>50.0</b>		
33	AMADOR	38,140	27.0	70.8	50.1	31.1	69.0
34	DEL NORTE	29,342	14.3	48.8 *	50.2 *	24.2	76.2
35	SAN BERNARDINO	1,974,119	658.7	33.4	50.2	46.3	54.1
36	STANISLAUS	510,612	210.0	41.1	50.7	43.8	57.6
37	CONTRA COSTA	1,024,242	517.7	50.5	52.1	47.6	56.7
38	SHASTA	179,482	109.3	60.9	52.4	42.5	62.2
39	RIVERSIDE	1,923,731	903.7	47.0	52.5	49.0	55.9
40	TULARE	416,503	165.7	39.8	53.2	45.0	61.3
41	SOLANO	419,753	181.0	43.1	53.3	45.5	61.1
42	MENDOCINO	90,219	56.3	62.4	54.1	39.9	68.4
43	LAKE	63,590	49.7	78.1	54.6	39.4	69.9
44	TEHAMA	60,954	40.7	66.7	55.4	38.3	72.4
45	KERN	770,151	284.7	37.0	55.7	49.1	62.2
46	YOLO	188,940	80.0	42.3	55.7	43.5	68.0
47	NAPA	133,784	98.7	73.8	56.0	44.7	67.2
48	ALPINE	1,307	0.7	51.0 *	56.4 *	0.0	191.8
49	SAN JOAQUIN	662,014	302.0	45.6	56.6	50.2	62.9
50	KINGS	146,817	47.7	32.5	56.6	40.3	73.0
51	BUTTE	215,168	161.3	75.0	58.1	49.0	67.1
52	PLACER	312,241	219.0	70.1	60.1	52.1	68.1
53	SONOMA	478,374	322.3	67.4	60.6	54.0	67.3
54	NEVADA	99,303	82.7	83.2	61.0	47.8	74.2
55	SACRAMENTO	1,377,538	749.7	54.4	61.5	57.1	65.9
56	FRESNO	891,502	429.3	48.2	62.4	56.5	68.3
57	MERCED	243,813	116.0	47.6	67.8	55.4	80.2
58	HUMBOLDT	131,410	89.0	67.7	68.7	54.4	83.0

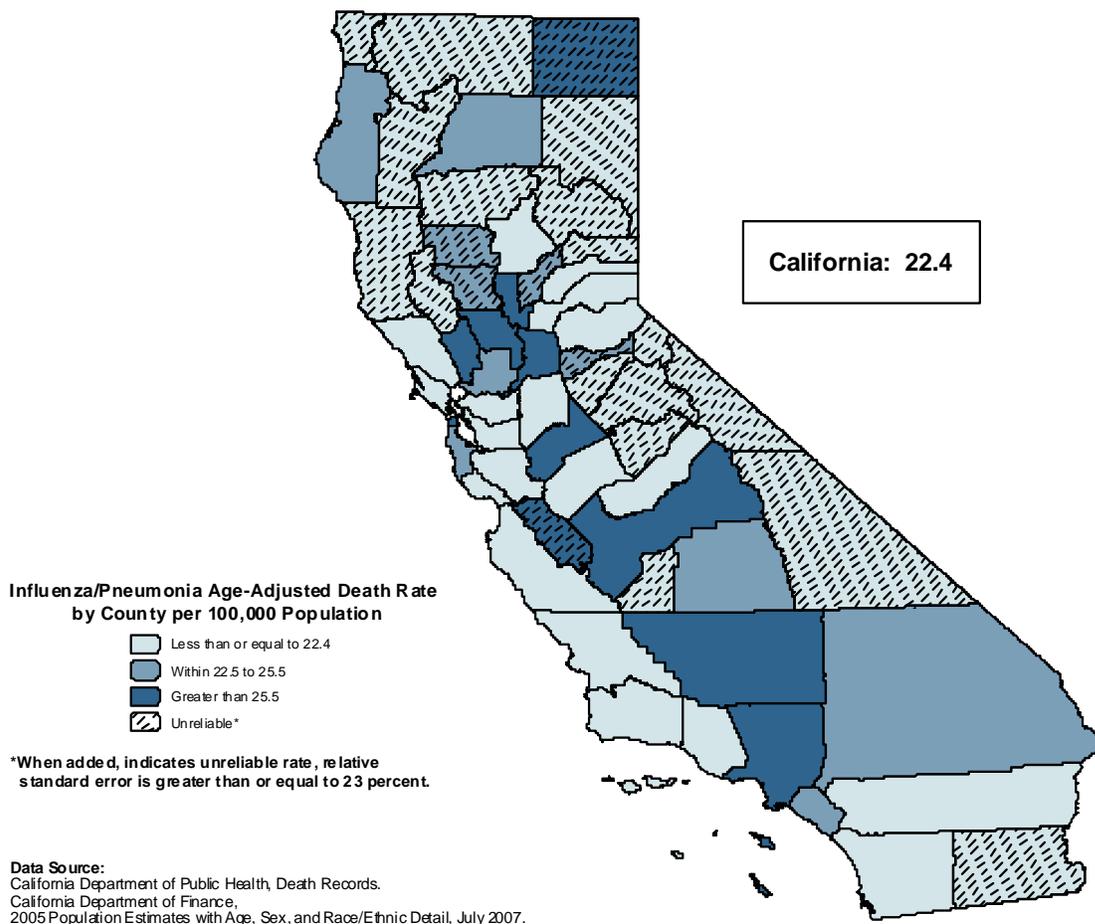
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO INFLUENZA/PNEUMONIA, 2004-2006



The crude death rate from influenza/pneumonia for California was 20.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 4,995 persons. This rate was based on a three-year average number of deaths of 7,399.0 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 35.4 in Napa County to 12.3 in Merced County, a difference in rates by a factor of 2.9 to 1.

The age-adjusted death rate from influenza/pneumonia for California for the three-year period from 2004 to 2006 was 22.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 39.0 in Yolo County to 14.2 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, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:</b>					<b>NONE</b>		
1	ALPINE	1,307	0.0	-	-	-	-
2	SIERRA	3,693	0.7	18.1 *	11.4 *	0.0	39.0
3	KINGS	146,817	10.7	7.3 *	12.4 *	4.8	20.1
4	MONO	13,803	1.3	9.7 *	12.8 *	0.0	35.8
5	IMPERIAL	164,740	18.0	10.9 *	14.1 *	7.5	20.7
6	MONTEREY	422,506	54.3	12.9	14.2	10.4	18.0
7	MARIPOSA	18,309	3.7	20.0 *	14.4 *	0.0	29.1
8	SAN LUIS OBISPO	261,243	49.7	19.0	14.8	10.7	19.0
9	PLUMAS	21,577	4.3	20.1 *	15.1 *	0.3	29.9
10	SAN DIEGO	3,054,778	432.0	14.1	15.3	13.8	16.7
11	MARIN	252,346	53.3	21.1	15.6	11.4	19.8
12	CALAVERAS	45,124	11.0	24.4 *	15.9 *	6.5	25.3
13	NEVADA	99,303	21.7	21.8	16.0	9.2	22.7
14	MENDOCINO	90,219	17.3	19.2 *	16.7 *	8.8	24.7
15	SANTA CRUZ	261,242	40.3	15.4	17.2	11.8	22.7
16	LAKE	63,590	14.7	23.1 *	17.3 *	8.2	26.3
17	DEL NORTE	29,342	5.0	17.0 *	17.4 *	2.1	32.6
18	MERCED	243,813	30.0	12.3	17.6	11.2	23.9
19	LASSEN	35,772	4.7	13.0 *	18.2 *	1.6	34.7
20	TRINITY	14,375	3.3	23.2 *	18.3 *	0.0	38.1
21	SONOMA	478,374	99.0	20.7	18.4	14.8	22.1
22	ALAMEDA	1,500,324	254.3	17.0	18.5	16.2	20.7
23	RIVERSIDE	1,923,731	320.0	16.6	18.6	16.5	20.6
24	VENTURA	813,633	132.7	16.3	18.6	15.4	21.8
25	TUOLUMNE	57,426	15.3	26.7 *	18.6 *	9.0	28.3
26	MADERA	143,221	23.3	16.3	18.8	11.1	26.4
27	SANTA BARBARA	418,084	90.0	21.5	18.8	14.9	22.8
28	EL DORADO	175,619	34.0	19.4	19.0	12.6	25.4
29	PLACER	312,241	69.3	22.2	19.2	14.7	23.7
30	SISKIYOU	45,991	12.7	27.5 *	19.5 *	8.5	30.6
31	TEHAMA	60,954	14.7	24.1 *	20.1 *	9.8	30.4
32	SANTA CLARA	1,761,082	314.7	17.9	20.2	17.9	22.4
33	CONTRA COSTA	1,024,242	207.7	20.3	20.8	18.0	23.6
34	SAN JOAQUIN	662,014	111.3	16.8	20.9	17.0	24.8
35	INYO	18,859	5.7	30.0 *	21.2 *	2.0	40.4
36	BUTTE	215,168	58.3	27.1	21.3	15.8	26.8
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>7,399.0</b>	<b>20.0</b>	<b>22.4</b>	<b>21.8</b>	<b>22.9</b>
37	TULARE	416,503	70.7	17.0	22.5	17.2	27.8
38	SHASTA	179,482	47.7	26.6	23.0	16.4	29.5
39	ORANGE	3,059,060	600.3	19.6	23.0	21.2	24.9
40	COLUSA	21,469	4.3	20.2 *	23.3 *	1.3	45.2
41	GLENN	28,558	7.3	25.7 *	24.2 *	6.6	41.8
42	SOLANO	419,753	82.7	19.7	24.4	19.1	29.7
43	SAN BERNARDINO	1,974,119	316.3	16.0	24.5	21.8	27.3
44	YUBA	69,540	12.7	18.2 *	24.6 *	10.9	38.2
45	SAN MATEO	722,265	201.3	27.9	24.7	21.3	28.2
46	HUMBOLDT	131,410	32.7	24.9	25.0	16.4	33.6
47	AMADOR	38,140	13.7	35.8 *	25.3 *	11.7	38.9
48	NAPA	133,784	47.3	35.4	25.7	18.3	33.2
49	MODOC	10,234	3.7	35.8 *	25.9 *	0.0	52.5
50	SAN FRANCISCO	795,135	258.3	32.5	26.0	22.8	29.2
51	LOS ANGELES	10,216,326	2,297.0	22.5	26.1	25.1	27.2
52	FRESNO	891,502	183.3	20.6	26.7	22.8	30.5
53	STANISLAUS	510,612	111.3	21.8	26.8	21.8	31.8
54	SACRAMENTO	1,377,538	326.7	23.7	26.8	23.9	29.7
55	SAN BENITO	57,534	10.7	18.5 *	27.1 *	10.7	43.5
56	SUTTER	90,519	24.3	26.9	28.8	17.3	40.2
57	KERN	770,151	152.0	19.7	29.9	25.0	34.7
58	YOLO	188,940	55.7	29.5	39.0	28.7	49.2

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

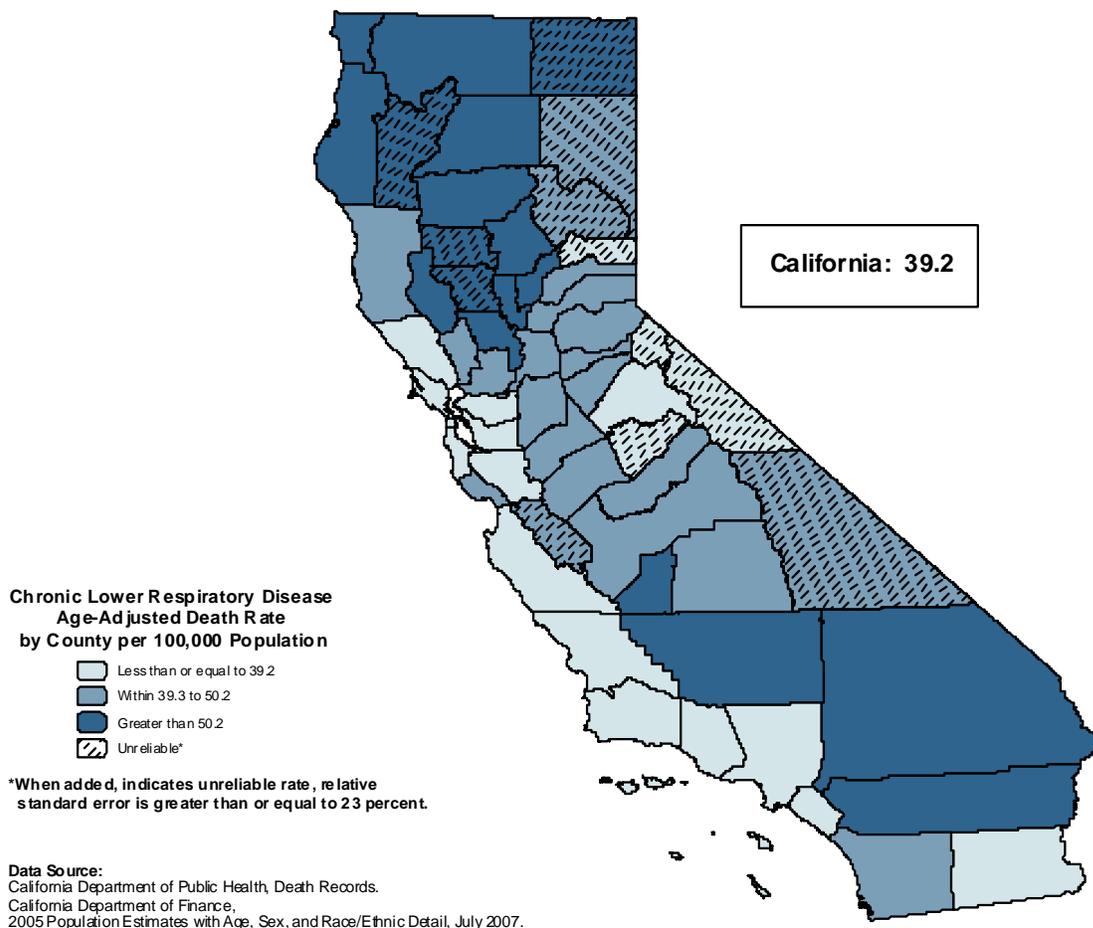
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO CHRONIC LOWER RESPIRATORY DISEASE, 2004-2006



The crude death rate from chronic lower respiratory disease deaths for California was 34.7 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,880 persons. This rate was based on a three-year average number of deaths of 12,831.0 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 112.2 in Lake County to 23.1 in Imperial County, a difference in rates by a factor of 4.9 to 1.

The age-adjusted death rate from chronic lower respiratory disease deaths for California for the three-year period from 2004 to 2006 was 39.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 82.5 in Yuba County to 25.7 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, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:</b>					<b>NONE</b>		
1	MONO	13,803	1.0	7.2 *	13.0 *	0.0	38.5
2	SIERRA	3,693	1.0	27.1 *	14.8 *	0.0	43.9
3	SAN FRANCISCO	795,135	241.3	30.4	25.7	22.4	29.0
4	SANTA CLARA	1,761,082	422.0	24.0	27.5	24.8	30.1
5	SAN MATEO	722,265	220.0	30.5	28.5	24.7	32.3
6	MARIN	252,346	91.3	36.2	28.7	22.7	34.6
7	IMPERIAL	164,740	38.0	23.1	28.9	19.6	38.1
8	ALAMEDA	1,500,324	426.3	28.4	32.0	28.9	35.1
9	SANTA BARBARA	418,084	146.7	35.1	32.0	26.8	37.3
10	LOS ANGELES	10,216,326	2,852.3	27.9	32.6	31.4	33.8
11	MARIPOSA	18,309	8.7	47.3 *	32.9 *	10.9	54.8
12	ORANGE	3,059,060	865.3	28.3	33.6	31.4	35.9
13	MONTEREY	422,506	126.7	30.0	34.2	28.2	40.2
14	TUOLUMNE	57,426	31.3	54.6	34.9	22.5	47.3
15	SAN LUIS OBISPO	261,243	118.0	45.2	35.5	29.1	42.0
16	CONTRA COSTA	1,024,242	361.0	35.2	36.7	32.9	40.5
17	ALPINE	1,307	0.7	51.0 *	38.0 *	0.0	129.1
18	VENTURA	813,633	266.0	32.7	38.1	33.5	42.7
19	SONOMA	478,374	193.7	40.5	38.6	33.1	44.1
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>12,831.0</b>	<b>34.7</b>	<b>39.2</b>	<b>38.6</b>	<b>39.9</b>
20	SAN DIEGO	3,054,778	1,080.0	35.4	39.3	36.9	41.6
21	AMADOR	38,140	22.7	59.4	39.3	23.1	55.6
22	SANTA CRUZ	261,242	86.0	32.9	40.3	31.6	49.0
23	SAN BENITO	57,534	16.3	28.4 *	40.8 *	20.8	60.7
24	NAPA	133,784	71.3	53.3	42.2	32.3	52.1
25	FRESNO	891,502	291.0	32.6	42.5	37.6	47.4
26	CALAVERAS	45,124	29.7	65.7	43.3	27.4	59.1
27	MADERA	143,221	54.3	37.9	43.5	31.8	55.1
28	PLACER	312,241	155.7	49.9	43.7	36.8	50.6
29	EL DORADO	175,619	82.3	46.9	44.6	34.9	54.4
30	TULARE	416,503	141.7	34.0	45.3	37.9	52.8
31	LASSEN	35,772	13.3	37.3 *	46.8 *	21.3	72.3
32	NEVADA	99,303	64.3	64.8	47.0	35.5	58.5
33	MERCED	243,813	81.0	33.2	47.1	36.8	57.4
34	SACRAMENTO	1,377,538	576.0	41.8	47.6	43.7	51.5
35	SAN JOAQUIN	662,014	257.3	38.9	48.3	42.4	54.2
36	MENDOCINO	90,219	50.7	56.2	48.5	35.0	61.9
37	STANISLAUS	510,612	201.0	39.4	48.6	41.8	55.3
38	PLUMAS	21,577	16.3	75.7 *	49.8 *	25.5	74.0
39	SOLANO	419,753	170.3	40.6	50.2	42.6	57.7
40	INYO	18,859	14.3	76.0 *	50.2 *	23.9	76.5
41	YOLO	188,940	75.0	39.7	52.2	40.3	64.1
42	COLUSA	21,469	10.0	46.6 *	52.7 *	20.0	85.5
43	RIVERSIDE	1,923,731	916.0	47.6	53.4	49.9	56.9
44	BUTTE	215,168	147.0	68.3	55.4	46.4	64.4
45	KINGS	146,817	47.7	32.5	58.4	41.7	75.1
46	SISKIYOU	45,991	40.3	87.7	58.7	40.5	77.0
47	HUMBOLDT	131,410	78.3	59.6	59.3	46.1	72.5
48	GLENN	28,558	18.3	64.2 *	61.5 *	33.3	89.6
49	TEHAMA	60,954	45.3	74.4	61.5	43.6	79.4
50	SUTTER	90,519	53.3	58.9	61.9	45.3	78.6
51	SAN BERNARDINO	1,974,119	836.0	42.3	63.5	59.1	67.8
52	TRINITY	14,375	13.0	90.4 *	64.2 *	28.9	99.4
53	DEL NORTE	29,342	19.3	65.9	64.7	35.8	93.6
54	SHASTA	179,482	147.7	82.3	69.7	58.4	80.9
55	KERN	770,151	369.0	47.9	71.0	63.7	78.3
56	MODOC	10,234	10.7	104.2 *	73.6 *	29.4	117.9
57	LAKE	63,590	71.3	112.2	76.4	58.6	94.3
58	YUBA	69,540	45.7	65.7	82.5	58.5	106.6

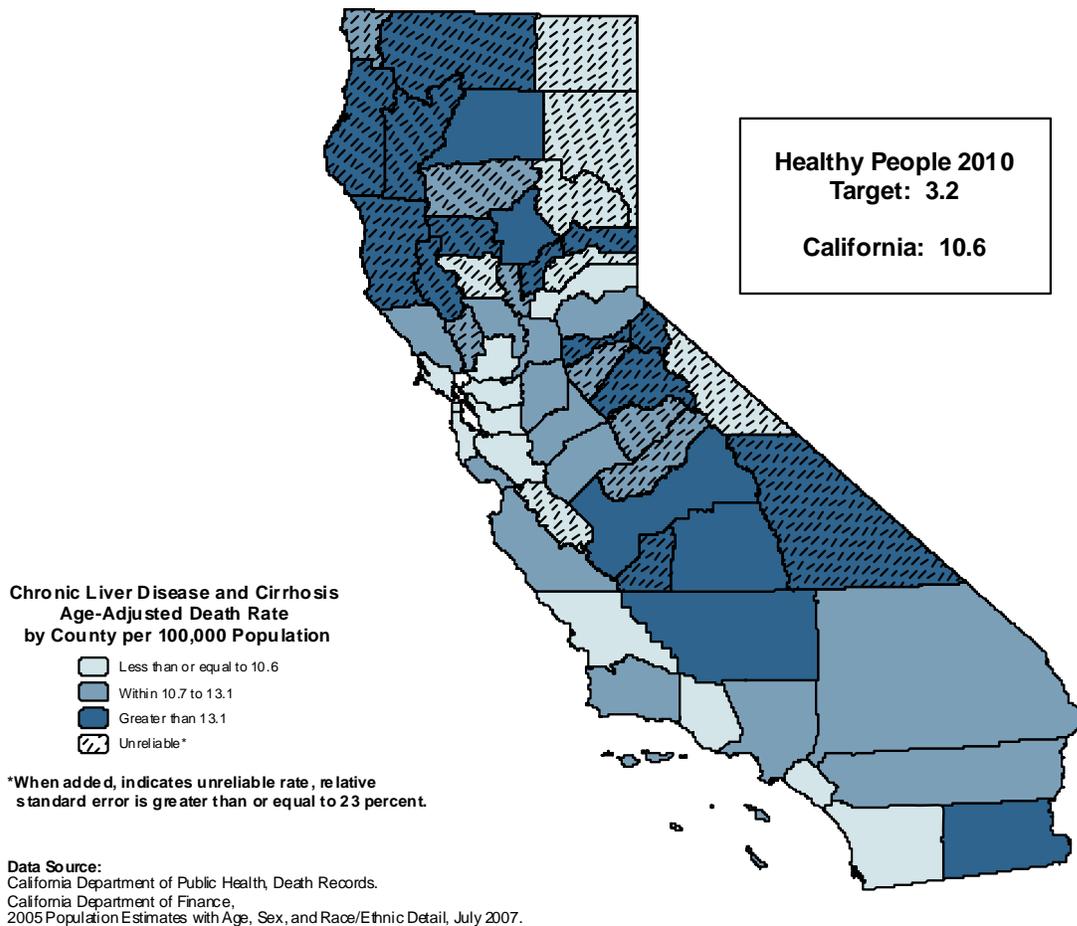
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS, 2004-2006



The crude death rate from chronic liver disease and cirrhosis for California was 10.2 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 9,785 persons. This rate was based on a three-year average number of deaths of 3,777.0 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 19.3 in Shasta County to 7.9 in Marin and Santa Clara Counties, a difference in rates by a factor of 2.4 to 1.

The age-adjusted death rate from chronic liver disease and cirrhosis for California for the three-year period from 2004 to 2006 was 10.6 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 18.1 in Kern County to 6.0 in Marin County.

Neither the counties nor California as a whole 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.

**TABLE 13  
DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS  
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE  
CALIFORNIA COUNTIES, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (26-2)</b>					<b>3.2</b>		
1	MONO	13,803	0.7	4.8 *	4.0 *	0.0	13.7
2	COLUSA	21,469	1.0	4.7 *	5.0 *	0.0	14.9
3	MARIN	252,346	20.0	7.9	6.0	3.3	8.7
4	LASSEN	35,772	2.3	6.5 *	6.8 *	0.0	15.6
5	SAN LUIS OBISPO	261,243	21.7	8.3	7.2	4.1	10.2
6	NEVADA	99,303	10.3	10.4 *	7.5 *	2.8	12.1
7	MODOC	10,234	1.0	9.8 *	7.8 *	0.0	23.3
8	SANTA CLARA	1,761,082	139.0	7.9	7.9	6.6	9.2
9	SAN MATEO	722,265	65.0	9.0	8.3	6.3	10.3
10	CONTRA COSTA	1,024,242	91.3	8.9	8.4	6.7	10.2
11	SAN DIEGO	3,054,778	250.3	8.2	8.4	7.4	9.5
12	ORANGE	3,059,060	247.0	8.1	8.5	7.5	9.6
13	SAN FRANCISCO	795,135	75.7	9.5	8.6	6.6	10.5
14	PLACER	312,241	31.0	9.9	8.6	5.5	11.6
15	ALAMEDA	1,500,324	132.3	8.8	8.8	7.2	10.3
16	PLUMAS	21,577	2.7	12.4 *	9.1 *	0.0	20.8
17	VENTURA	813,633	77.3	9.5	9.5	7.3	11.6
18	SAN BENITO	57,534	5.0	8.7 *	9.9 *	1.1	18.7
19	SOLANO	419,753	43.7	10.4	10.3	7.2	13.4
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>3,777.0</b>	<b>10.2</b>	<b>10.6</b>	<b>10.2</b>	<b>10.9</b>
20	SUTTER	90,519	9.7	10.7 *	10.9 *	4.0	17.7
21	SACRAMENTO	1,377,538	146.0	10.6	10.9	9.1	12.7
22	SANTA BARBARA	418,084	46.0	11.0	10.9	7.7	14.1
23	LOS ANGELES	10,216,326	1,066.0	10.4	11.0	10.3	11.7
24	MONTEREY	422,506	42.3	10.0	11.0	7.7	14.4
25	CALAVERAS	45,124	6.3	14.0 *	11.1 *	1.8	20.4
26	MERCED	243,813	22.0	9.0	11.1	6.4	15.8
27	SANTA CRUZ	261,242	29.7	11.4	11.1	7.0	15.3
28	STANISLAUS	510,612	51.0	10.0	11.5	8.3	14.6
29	MARIPOSA	18,309	3.0	16.4 *	11.5 *	0.0	25.1
30	EL DORADO	175,619	25.0	14.2	11.6	6.9	16.3
31	YOLO	188,940	19.3	10.2	11.9	6.5	17.3
32	SONOMA	478,374	60.7	12.7	11.9	8.9	14.9
33	SAN JOAQUIN	662,014	72.0	10.9	12.5	9.6	15.3
34	SAN BERNARDINO	1,974,119	207.0	10.5	12.5	10.8	14.3
35	RIVERSIDE	1,923,731	220.0	11.4	12.7	11.0	14.3
36	DEL NORTE	29,342	4.0	13.6 *	12.7 *	0.2	25.3
37	NAPA	133,784	19.0	14.2	13.0 *	7.1	18.9
38	MADERA	143,221	18.3	12.8 *	13.0 *	7.0	19.0
39	TEHAMA	60,954	8.7	14.2 *	13.1 *	4.3	22.0
40	AMADOR	38,140	6.7	17.5 *	13.2 *	2.9	23.5
41	KINGS	146,817	15.3	10.4 *	13.3 *	6.5	20.1
42	YUBA	69,540	8.3	12.0 *	13.5 *	4.3	22.6
43	HUMBOLDT	131,410	19.3	14.7	13.6 *	7.5	19.7
44	FRESNO	891,502	105.7	11.9	13.9	11.3	16.6
45	TULARE	416,503	49.3	11.8	14.3	10.3	18.4
46	BUTTE	215,168	33.3	15.5	14.6	9.5	19.6
47	MENDOCINO	90,219	16.7	18.5 *	15.0 *	7.7	22.3
48	SISKIYOU	45,991	8.3	18.1 *	15.3 *	4.4	26.3
49	TUOLUMNE	57,426	12.7	22.1 *	15.9 *	6.8	25.0
50	IMPERIAL	164,740	23.3	14.2	15.9	9.4	22.4
51	SHASTA	179,482	34.7	19.3	16.9	11.2	22.6
52	GLENN	28,558	5.0	17.5 *	17.5 *	2.1	33.0
53	ALPINE	1,307	0.3	25.5 *	17.9 *	0.0	78.7
54	KERN	770,151	116.0	15.1	18.1	14.8	21.4
55	LAKE	63,590	16.3	25.7 *	19.6 *	9.8	29.5
56	INYO	18,859	6.3	33.6 *	24.0 *	5.2	42.8
57	SIERRA	3,693	1.0	27.1 *	24.5 *	0.0	75.5
58	TRINITY	14,375	5.0	34.8 *	27.4 *	2.3	52.6

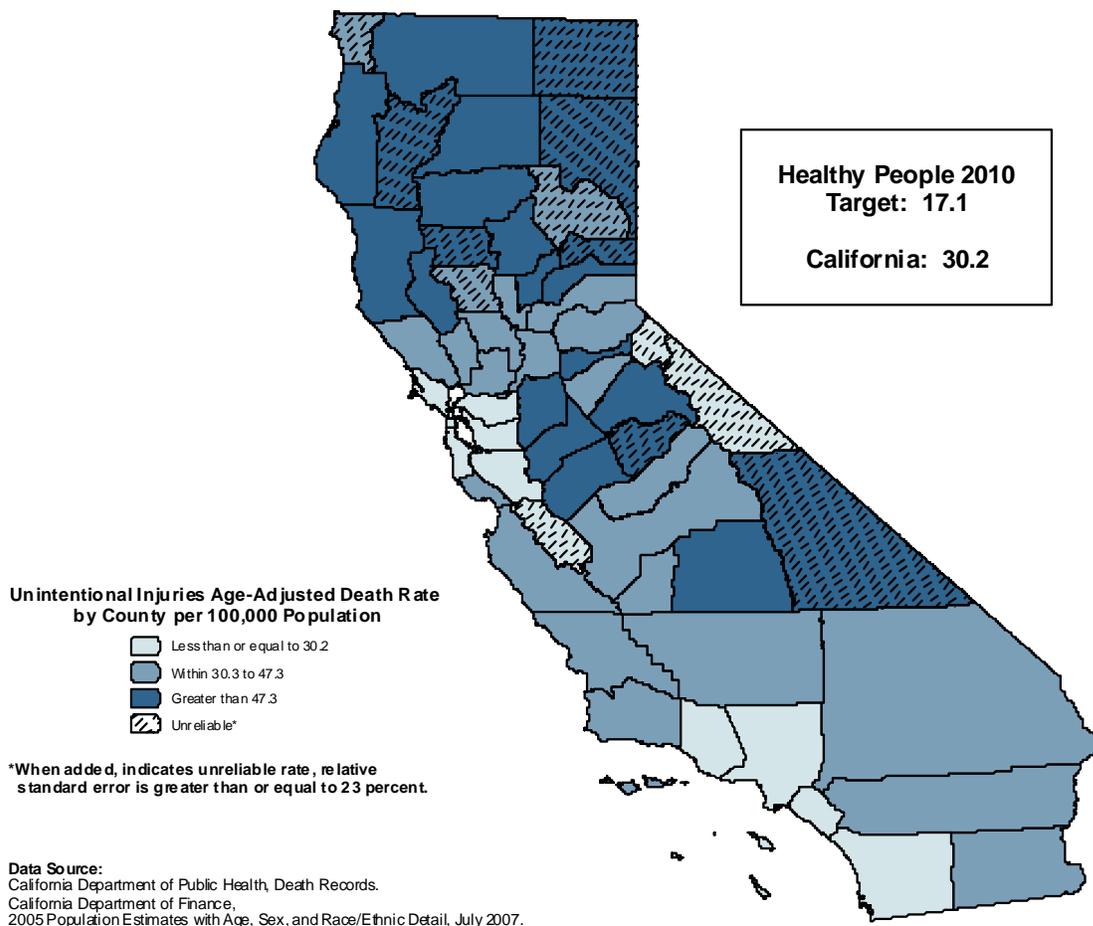
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO UNINTENTIONAL INJURIES, 2004-2006



The crude death rate from unintentional injuries for California was 29.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 3,383 persons. This rate was based on a three-year average number of deaths of 10,925.3 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 78.1 in Lake County to 20.3 in Santa Clara County, a difference in rates by a factor of 3.8 to 1.

The age-adjusted death rate from unintentional injuries for California for the three-year period from 2004 to 2006 was 30.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 72.5 in Lake County to 20.1 in San Mateo County.

Neither the counties nor California as a whole met the Healthy People 2010 National Objective 15-13 of no more than 17.1 age-adjusted deaths due to unintentional injuries per 100,000 population.

**TABLE 14  
DEATHS DUE TO UNINTENTIONAL INJURIES  
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE  
CALIFORNIA COUNTIES, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-13)</b>					<b>17.1</b>		
1	SAN MATEO	722,265	153.0	21.2	20.1	16.9	23.3
2	MARIN	252,346	57.3	22.7	20.5	14.9	26.0
3	SANTA CLARA	1,761,082	358.3	20.3	21.0	18.8	23.2
4	ORANGE	3,059,060	659.3	21.6	22.3	20.6	24.0
5	LOS ANGELES	10,216,326	2,276.3	22.3	23.2	22.2	24.1
6	CONTRA COSTA	1,024,242	280.0	27.3	27.3	24.1	30.5
7	ALAMEDA	1,500,324	413.0	27.5	27.4	24.8	30.1
8	MONO	13,803	4.0	29.0 *	28.1 *	0.2	56.0
9	SAN FRANCISCO	795,135	253.7	31.9	28.3	24.7	31.8
10	ALPINE	1,307	0.3	25.5 *	29.0 *	0.0	127.3
11	VENTURA	813,633	229.3	28.2	29.0	25.2	32.8
12	SAN DIEGO	3,054,778	885.0	29.0	29.2	27.3	31.1
13	SAN BENITO	57,534	16.0	27.8 *	30.1 *	14.9	45.2
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>10,925.3</b>	<b>29.6</b>	<b>30.2</b>	<b>29.7</b>	<b>30.8</b>
14	SAN BERNARDINO	1,974,119	557.7	28.2	30.5	27.9	33.1
15	SANTA CRUZ	261,242	81.3	31.1	31.2	24.2	38.1
16	SANTA BARBARA	418,084	133.3	31.9	31.2	25.9	36.5
17	NAPA	133,784	45.7	34.1	32.5	22.9	42.1
18	PLUMAS	21,577	9.3	43.3 *	33.1 *	10.9	55.4
19	SOLANO	419,753	133.3	31.8	33.1	27.4	38.8
20	SONOMA	478,374	170.7	35.7	33.8	28.7	38.9
21	PLACER	312,241	110.7	35.4	35.1	28.4	41.8
22	MONTEREY	422,506	143.0	33.8	35.3	29.5	41.1
23	RIVERSIDE	1,923,731	688.3	35.8	37.3	34.5	40.1
24	YOLO	188,940	64.0	33.9	37.8	28.3	47.2
25	SACRAMENTO	1,377,538	510.0	37.0	38.1	34.8	41.4
26	SAN LUIS OBISPO	261,243	106.7	40.8	38.1	30.7	45.5
27	KINGS	146,817	50.7	34.5	38.7	27.5	50.0
28	SUTTER	90,519	34.3	37.9	38.8	25.8	51.9
29	DEL NORTE	29,342	12.0	40.9 *	38.9 *	16.7	61.0
30	COLUSA	21,469	8.7	40.4 *	41.2 *	13.4	68.9
31	EL DORADO	175,619	73.0	41.6	42.1	31.9	52.3
32	IMPERIAL	164,740	73.3	44.5	43.5	33.0	53.9
33	FRESNO	891,502	360.0	40.4	43.7	39.1	48.3
34	MADERA	143,221	61.3	42.8	43.9	32.9	55.0
35	CALAVERAS	45,124	23.7	52.4	44.2	24.9	63.6
36	KERN	770,151	338.3	43.9	47.3	42.1	52.4
37	SAN JOAQUIN	662,014	289.7	43.8	47.7	42.2	53.3
38	MERCED	243,813	104.0	42.7	48.0	38.5	57.4
39	MENDOCINO	90,219	45.3	50.2	48.5	34.1	63.0
40	INYO	18,859	11.0	58.3 *	49.1 *	17.9	80.3
41	NEVADA	99,303	51.7	52.0	50.9	35.6	66.1
42	STANISLAUS	510,612	240.7	47.1	51.6	45.0	58.2
43	GLENN	28,558	14.3	50.2 *	51.7 *	24.6	78.8
44	BUTTE	215,168	118.3	55.0	53.0	43.2	62.7
45	TULARE	416,503	210.0	50.4	53.9	46.4	61.3
46	AMADOR	38,140	23.3	61.2	54.0	30.9	77.1
47	TEHAMA	60,954	33.3	54.7	54.2	35.5	73.0
48	MODOC	10,234	6.0	58.6 *	54.6 *	7.7	101.4
49	LASSEN	35,772	19.0	53.1	55.5 *	29.9	81.1
50	SHASTA	179,482	104.7	58.3	57.9	46.5	69.3
51	TUOLUMNE	57,426	38.0	66.2	60.6	40.1	81.0
52	MARIPOSA	18,309	12.0	65.5 *	62.6 *	25.0	100.3
53	YUBA	69,540	41.0	59.0	63.4	43.7	83.1
54	HUMBOLDT	131,410	88.3	67.2	67.2	52.9	81.4
55	SISKIYOU	45,991	33.0	71.8	69.2	43.9	94.5
56	LAKE	63,590	49.7	78.1	72.5	51.1	93.8
57	SIERRA	3,693	3.3	90.3 *	86.1 *	0.0	188.5
58	TRINITY	14,375	13.7	95.1 *	100.6 *	40.6	160.7

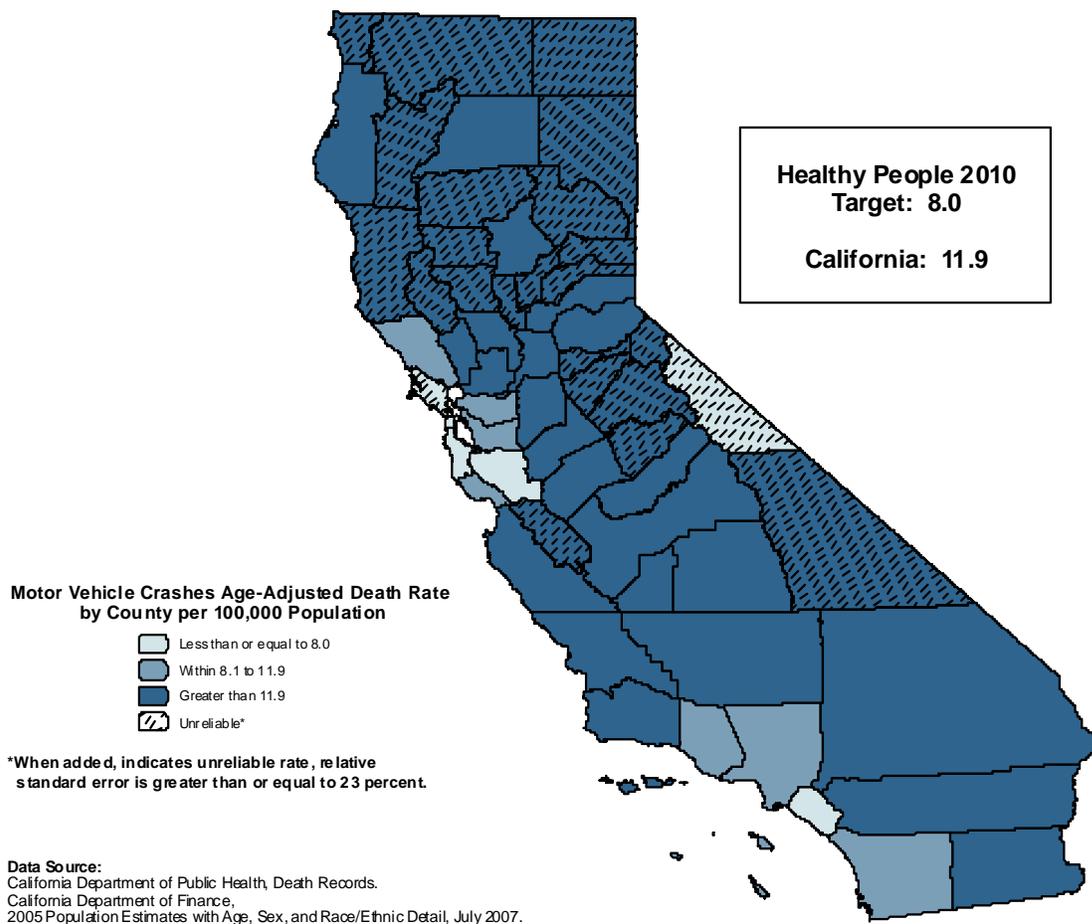
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO MOTOR VEHICLE CRASHES, 2004-2006



The crude death rate from motor vehicle crashes for California was 11.8 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 8,455 persons. This rate was based on a three-year average number of deaths of 4,371.3 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 30.9 in Lake County to 5.8 in San Francisco County, a difference in rates by a factor of 5.3 to 1.

The age-adjusted death rate from motor vehicle crashes for California for the three-year period from 2004 to 2006 was 11.9 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 26.9 in Tulare County to 5.5 in San Francisco County.

Six counties (four 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 crashes per 100,000 population. The statewide age-adjusted death rate for motor vehicle crashes did not meet the national objective.

**TABLE 15  
DEATHS DUE TO MOTOR VEHICLE CRASHES  
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE  
CALIFORNIA COUNTIES, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MARIN	252,346	12.7	5.0 *	5.4 *	2.3	8.4
2	SAN FRANCISCO	795,135	46.3	5.8	5.5	3.8	7.1
3	SAN MATEO	722,265	43.3	6.0	6.0	4.2	7.8
4	MONO	13,803	1.0	7.2 *	6.3 *	0.0	18.9
5	SANTA CLARA	1,761,082	120.7	6.9	7.1	5.8	8.4
6	ORANGE	3,059,060	243.7	8.0	8.0	7.0	9.1
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-15a)</b>					<b>8.0</b>		
7	ALAMEDA	1,500,324	125.3	8.4	8.3	6.9	9.8
8	CONTRA COSTA	1,024,242	92.7	9.0	9.1	7.2	10.9
9	LOS ANGELES	10,216,326	946.0	9.3	9.6	8.9	10.2
10	SANTA CRUZ	261,242	25.3	9.7	9.7	5.8	13.5
11	VENTURA	813,633	85.0	10.4	10.5	8.2	12.7
12	SAN DIEGO	3,054,778	330.3	10.8	10.9	9.7	12.0
13	SONOMA	478,374	57.0	11.9	11.7	8.6	14.8
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>4,371.3</b>	<b>11.8</b>	<b>11.9</b>	<b>11.6</b>	<b>12.3</b>
14	SACRAMENTO	1,377,538	163.7	11.9	12.0	10.1	13.8
15	SANTA BARBARA	418,084	53.7	12.8	12.6	9.2	16.0
16	PLUMAS	21,577	3.7	17.0 *	12.7 *	0.0	26.0
17	SAN BENITO	57,534	7.3	12.7 *	12.7 *	3.3	22.2
18	PLACER	312,241	38.0	12.2	12.9	8.7	17.1
19	SOLANO	419,753	57.0	13.6	13.4	9.9	16.9
20	YOLO	188,940	26.0	13.8	13.7	8.3	19.1
21	INYO	18,859	3.0	15.9 *	13.9 *	0.0	30.1
22	MONTEREY	422,506	60.7	14.4	14.6	10.9	18.3
23	NAPA	133,784	19.7	14.7	15.0	8.3	21.7
24	SAN JOAQUIN	662,014	97.7	14.8	15.4	12.3	18.5
25	SHASTA	179,482	30.0	16.7	16.6	10.5	22.7
26	SAN LUIS OBISPO	261,243	45.3	17.4	16.6	11.7	21.6
27	EL DORADO	175,619	28.0	15.9	16.8	10.2	23.3
28	SAN BERNARDINO	1,974,119	330.0	16.7	17.0	15.1	18.9
29	MENDOCINO	90,219	16.0	17.7 *	17.5 *	8.7	26.3
30	RIVERSIDE	1,923,731	334.0	17.4	17.5	15.6	19.4
31	STANISLAUS	510,612	86.7	17.0	17.9	14.1	21.7
32	NEVADA	99,303	17.3	17.5 *	18.6 *	9.0	28.2
33	HUMBOLDT	131,410	25.0	19.0	19.0	11.4	26.5
34	DEL NORTE	29,342	6.0	20.4 *	19.1 *	3.7	34.4
35	SUTTER	90,519	17.3	19.1 *	19.2 *	10.1	28.2
36	FRESNO	891,502	171.0	19.2	19.4	16.5	22.4
37	BUTTE	215,168	42.3	19.7	19.8	13.7	26.0
38	KERN	770,151	154.0	20.0	20.2	16.9	23.4
39	KINGS	146,817	29.0	19.8	20.8	12.8	28.7
40	IMPERIAL	164,740	34.7	21.0	21.3	14.1	28.4
41	MADERA	143,221	30.7	21.4	21.4	13.8	29.1
42	TEHAMA	60,954	14.7	24.1 *	24.1 *	11.5	36.7
43	AMADOR	38,140	10.3	27.1 *	24.2 *	8.6	39.8
44	YUBA	69,540	16.7	24.0 *	24.4 *	12.6	36.3
45	MODOC	10,234	2.7	26.1 *	24.6 *	0.0	56.5
46	COLUSA	21,469	5.3	24.8 *	24.9 *	3.4	46.5
47	MERCED	243,813	59.3	24.3	25.3	18.7	31.9
48	TUOLUMNE	57,426	15.7	27.3 *	25.5 *	12.2	38.7
49	LASSEN	35,772	9.3	26.1 *	25.6 *	8.7	42.5
50	CALAVERAS	45,124	13.3	29.5 *	26.5 *	11.0	42.1
51	TULARE	416,503	110.7	26.6	26.9	21.7	32.0
52	MARIPOSA	18,309	5.0	27.3 *	28.1 *	1.8	54.4
53	GLENN	28,558	8.0	28.0 *	28.6 *	8.5	48.7
54	ALPINE	1,307	0.3	25.5 *	29.0 *	0.0	127.3
55	LAKE	63,590	19.7	30.9	29.9 *	15.9	43.9
56	SISKIYOU	45,991	13.3	29.0 *	33.5 *	14.6	52.5
57	TRINITY	14,375	7.3	51.0 *	59.7 *	10.9	108.5
58	SIERRA	3,693	2.7	72.2 *	72.1 *	0.0	168.9

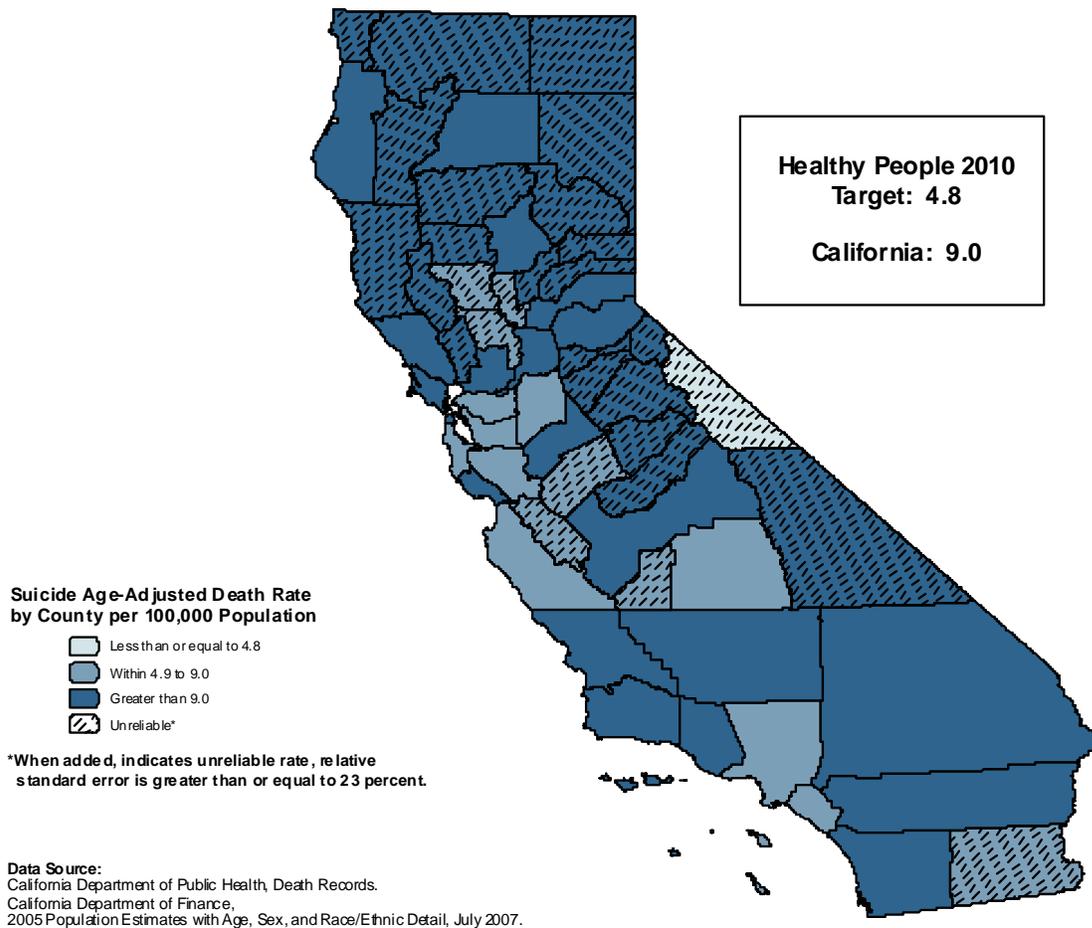
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO SUICIDE, 2004-2006



The crude death rate from suicide for California was 8.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 11,258 persons. This rate was based on a three-year average number of deaths of 3,282.7 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 20.5 in Humboldt County to 6.4 in San Joaquin County, a difference in rates by a factor of 3.2 to 1.

The age-adjusted death rate from suicide for California for the three-year period from 2004 to 2006 was 9.0 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 19.7 in Humboldt County to 6.9 in Los Angeles County.

One county (with an unreliable age-adjusted death rate) 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, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	13,803	0.7	4.8 *	4.8 *	0.0	16.4
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (18-1)</b>						<b>4.8</b>	
2	COLUSA	21,469	1.3	6.2 *	6.9 *	0.0	18.5
3	LOS ANGELES	10,216,326	684.7	6.7	6.9	6.4	7.5
4	SANTA CLARA	1,761,082	123.0	7.0	7.0	5.7	8.2
5	IMPERIAL	164,740	11.0	6.7 *	7.0 *	2.8	11.2
6	SAN JOAQUIN	662,014	42.3	6.4	7.1	4.9	9.2
7	ALAMEDA	1,500,324	108.7	7.2	7.1	5.8	8.4
8	KINGS	146,817	9.7	6.6 *	7.8 *	2.6	13.0
9	SAN BENITO	57,534	4.3	7.5 *	8.0 *	0.4	15.6
10	MONTEREY	422,506	32.7	7.7	8.1	5.3	11.0
11	SAN MATEO	722,265	61.7	8.5	8.2	6.1	10.2
12	ORANGE	3,059,060	253.0	8.3	8.4	7.3	9.4
13	MERCED	243,813	18.3	7.5 *	8.5 *	4.6	12.5
14	TULARE	416,503	33.0	7.9	8.5	5.6	11.5
15	SUTTER	90,519	7.3	8.1 *	8.6 *	2.3	14.8
16	YOLO	188,940	15.7	8.3 *	8.7 *	4.3	13.0
17	CONTRA COSTA	1,024,242	91.3	8.9	8.9	7.0	10.7
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>3,282.7</b>	<b>8.9</b>	<b>9.0</b>	<b>8.7</b>	<b>9.4</b>
18	SANTA BARBARA	418,084	38.3	9.2	9.1	6.2	11.9
19	FRESNO	891,502	80.0	9.0	9.5	7.4	11.6
20	SOLANO	419,753	39.3	9.4	9.6	6.6	12.6
21	PLACER	312,241	31.3	10.0	9.6	6.2	13.1
22	SAN DIEGO	3,054,778	299.3	9.8	9.9	8.8	11.1
23	SAN BERNARDINO	1,974,119	181.7	9.2	10.1	8.6	11.6
24	STANISLAUS	510,612	48.0	9.4	10.1	7.2	13.0
25	MADERA	143,221	14.0	9.8 *	10.2 *	4.8	15.6
26	RIVERSIDE	1,923,731	186.3	9.7	10.2	8.7	11.7
27	VENTURA	813,633	82.3	10.1	10.3	8.1	12.5
28	SANTA CRUZ	261,242	28.3	10.8	10.5	6.6	14.4
29	SAN LUIS OBISPO	261,243	29.3	11.2	10.5	6.6	14.4
30	SAN FRANCISCO	795,135	93.3	11.7	10.5	8.3	12.7
31	KERN	770,151	72.7	9.4	10.6	8.1	13.1
32	SONOMA	478,374	55.0	11.5	10.8	7.9	13.7
33	NAPA	133,784	16.0	12.0 *	11.9 *	6.0	17.8
34	NEVADA	99,303	12.7	12.8 *	12.7 *	4.9	20.4
35	SACRAMENTO	1,377,538	174.3	12.7	12.9	11.0	14.8
36	MARIN	252,346	36.3	14.4	13.1	8.6	17.5
37	SIERRA	3,693	0.7	18.1 *	13.5 *	0.0	46.0
38	INYO	18,859	3.3	17.7 *	14.7 *	0.0	32.0
39	EL DORADO	175,619	26.3	15.0	14.9	8.8	21.0
40	DEL NORTE	29,342	4.7	15.9 *	15.2 *	1.3	29.0
41	GLENN	28,558	4.3	15.2 *	15.4 *	0.8	30.1
42	TEHAMA	60,954	9.7	15.9 *	15.9 *	5.7	26.1
43	AMADOR	38,140	7.3	19.2 *	16.4 *	3.9	29.0
44	BUTTE	215,168	39.7	18.4	18.2	12.4	24.0
45	YUBA	69,540	11.7	16.8 *	18.2 *	7.6	28.9
46	CALAVERAS	45,124	10.0	22.2 *	18.4 *	6.4	30.4
47	SHASTA	179,482	35.7	19.9	18.7	12.4	25.0
48	HUMBOLDT	131,410	27.0	20.5	19.7	12.1	27.2
49	MODOC	10,234	2.0	19.5 *	20.0 *	0.0	49.8
50	MENDOCINO	90,219	18.3	20.3 *	20.0 *	10.6	29.4
51	LASSEN	35,772	8.0	22.4 *	21.3 *	6.4	36.2
52	LAKE	63,590	14.0	22.0 *	22.4 *	9.7	35.1
53	PLUMAS	21,577	5.7	26.3 *	22.8 *	2.4	43.1
54	SISKIYOU	45,991	11.7	25.4 *	23.3 *	8.8	37.8
55	TUOLUMNE	57,426	14.3	25.0 *	25.0 *	11.3	38.7
56	MARIPOSA	18,309	4.7	25.5 *	25.7 *	1.1	50.4
57	ALPINE	1,307	0.3	25.5 *	35.9 *	0.0	157.8
58	TRINITY	14,375	6.0	41.7 *	42.6 *	3.5	81.7

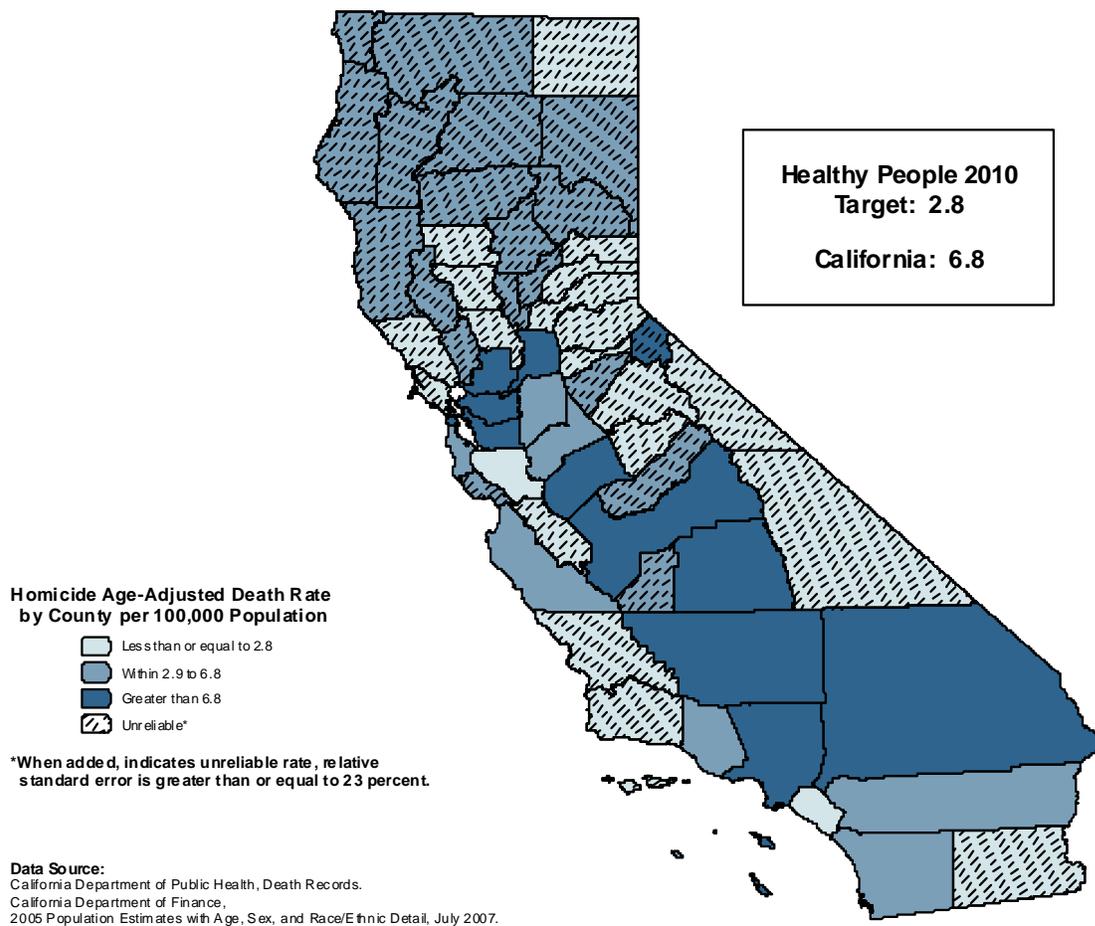
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DEATHS DUE TO HOMICIDE, 2004-2006



The crude death rate from homicide for California was 6.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 14,563 persons. This rate was based on a three-year average number of deaths of 2,537.7 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 10.4 in Los Angeles County to 2.6 in Santa Clara County, a difference in rates by a factor of 4.0 to 1.

The age-adjusted death rate from homicide for California for the three-year period from 2004 to 2006 was 6.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 10.5 in Los Angeles County to 2.6 in Santa Clara County.

Twenty-one counties (two 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. 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, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS		
						LOWER	UPPER	
1	GLENN	28,558	0.0	-	-	-	-	
2	COLUSA	21,469	0.0	-	-	-	-	
3	MONO	13,803	0.0	-	-	-	-	
4	MODOC	10,234	0.0	-	-	-	-	
5	SIERRA	3,693	0.0	-	-	-	-	
6	SAN BENITO	57,534	0.3	0.6 *	0.5 *	0.0	2.3	
7	MARIPOSA	18,309	0.3	1.8 *	1.1 *	0.0	4.8	
8	INYO	18,859	0.3	1.8 *	1.4 *	0.0	6.1	
9	AMADOR	38,140	1.0	2.6 *	1.4 *	0.0	4.8	
10	NEVADA	99,303	2.0	2.0 *	1.6 *	0.0	3.8	
11	YOLO	188,940	3.0	1.6 *	1.7 *	0.0	3.6	
12	PLACER	312,241	5.3	1.7 *	1.8 *	0.2	3.3	
13	SAN LUIS OBISPO	261,243	5.3	2.0 *	2.0 *	0.3	3.8	
14	MARIN	252,346	4.7	1.8 *	2.1 *	0.1	4.1	
15	SANTA BARBARA	418,084	9.0	2.2 *	2.2 *	0.8	3.6	
16	SONOMA	478,374	10.7	2.2 *	2.2 *	0.8	3.5	
17	TUOLUMNE	57,426	1.7	2.9 *	2.6 *	0.0	6.6	
18	IMPERIAL	164,740	4.3	2.6 *	2.6 *	0.1	5.1	
19	SANTA CLARA	1,761,082	45.0	2.6	2.6	1.9	3.4	
20	EL DORADO	175,619	4.7	2.7 *	2.8 *	0.1	5.6	
21	ORANGE	3,059,060	88.0	2.9	2.8	2.2	3.4	
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-32)</b>					<b>2.8</b>			
22	HUMBOLDT	131,410	4.0	3.0 *	2.9 *	0.0	5.7	
23	NAPA	133,784	3.7	2.7 *	3.0 *	0.0	6.1	
24	SANTA CRUZ	261,242	8.7	3.3 *	3.0 *	1.0	5.1	
25	PLUMAS	21,577	0.7	3.1 *	3.2 *	0.0	11.5	
26	KINGS	146,817	5.0	3.4 *	3.4 *	0.3	6.5	
27	BUTTE	215,168	8.7	4.0 *	3.8 *	1.2	6.5	
28	VENTURA	813,633	33.3	4.1	4.1	2.7	5.5	
29	SAN DIEGO	3,054,778	127.7	4.2	4.1	3.4	4.8	
30	CALAVERAS	45,124	2.0	4.4 *	4.2 *	0.0	10.4	
31	SAN MATEO	722,265	33.0	4.6	4.8	3.1	6.4	
32	LAKE	63,590	3.3	5.2 *	4.9 *	0.0	10.7	
33	TRINITY	14,375	0.7	4.6 *	5.0 *	0.0	17.5	
34	LASSEN	35,772	1.7	4.7 *	5.0 *	0.0	12.9	
35	TEHAMA	60,954	3.0	4.9 *	5.3 *	0.0	11.5	
36	SUTTER	90,519	4.7	5.2 *	5.3 *	0.5	10.2	
37	MADERA	143,221	7.7	5.4 *	5.3 *	1.5	9.1	
38	MONTEREY	422,506	23.7	5.6	5.4	3.2	7.6	
39	RIVERSIDE	1,923,731	108.0	5.6	5.5	4.5	6.6	
40	SHASTA	179,482	10.0	5.6 *	5.7 *	2.1	9.3	
41	YUBA	69,540	4.3	6.2 *	5.7 *	0.3	11.2	
42	MENDOCINO	90,219	5.3	5.9 *	6.2 *	0.8	11.6	
43	SAN JOAQUIN	662,014	43.0	6.5	6.5	4.5	8.5	
44	DEL NORTE	29,342	2.0	6.8 *	6.6 *	0.0	15.9	
45	SISKIYOU	45,991	2.3	5.1 *	6.7 *	0.0	15.7	
46	STANISLAUS	510,612	34.3	6.7	6.8	4.5	9.1	
<b>CALIFORNIA</b>		<b>36,957,436</b>	<b>2,537.7</b>	<b>6.9</b>	<b>6.8</b>	<b>6.5</b>	<b>7.0</b>	
47	SOLANO	419,753	29.0	6.9	6.9	4.3	9.4	
48	SACRAMENTO	1,377,538	103.3	7.5	7.4	6.0	8.9	
49	KERN	770,151	62.7	8.1	7.9	5.9	9.8	
50	MERCED	243,813	21.0	8.6	8.2	4.6	11.7	
51	FRESNO	891,502	76.0	8.5	8.2	6.3	10.0	
52	SAN BERNARDINO	1,974,119	182.7	9.3	8.8	7.5	10.1	
53	CONTRA COSTA	1,024,242	87.0	8.5	8.8	7.0	10.7	
54	TULARE	416,503	40.0	9.6	9.0	6.1	11.8	
55	ALAMEDA	1,500,324	138.7	9.2	9.2	7.6	10.7	
56	SAN FRANCISCO	795,135	71.3	9.0	10.2	7.6	12.8	
57	LOS ANGELES	10,216,326	1,059.3	10.4	10.5	9.8	11.1	
58	ALPINE	1,307	0.3	25.5 *	23.6 *	0.0	103.6	

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

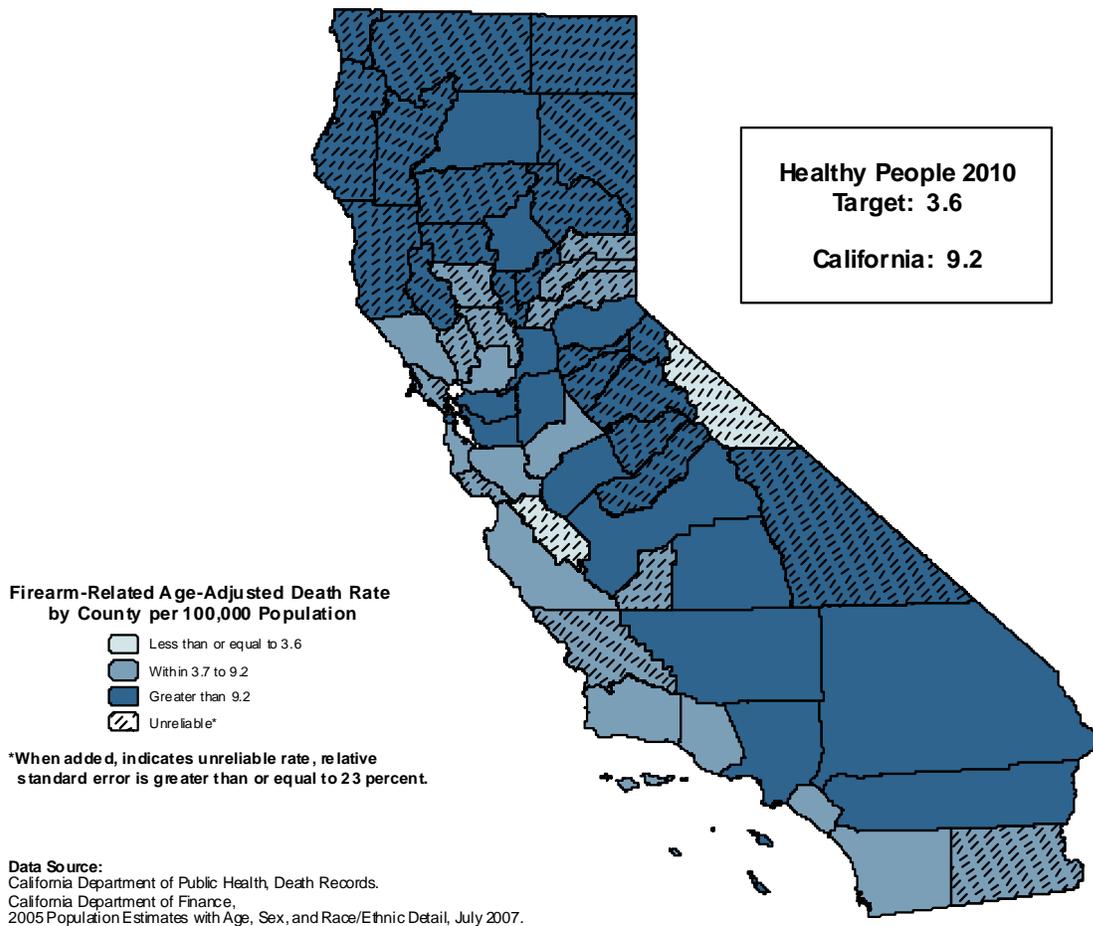
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## FIREARM-RELATED DEATHS, 2004-2006



The crude death rate from firearm-related injuries for California was 9.1 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 10,979 persons. This rate was based on the three-year average number of deaths of 3,366.3 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 14.3 in Shasta County to 3.9 in Santa Clara County, a difference in rates by a factor of 3.7 to 1.

The age-adjusted death rate from firearm-related injuries for California for the three-year period from 2004 to 2006 was 9.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 13.5 in Shasta County to 4.0 in Santa Clara County.

Two counties (none with reliable age-adjusted death rates) 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. 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, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	13,803	0.0	-	-	-	-
2	SAN BENITO	57,534	1.3	2.3 *	2.7 *	0.0	7.4
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-3)</b>					<b>3.6</b>		
3	SANTA CLARA	1,761,082	68.0	3.9	4.0	3.0	4.9
4	YOLO	188,940	7.3	3.9 *	4.4 *	1.2	7.6
5	ORANGE	3,059,060	150.7	4.9	5.0	4.2	5.8
6	SANTA BARBARA	418,084	21.7	5.2	5.1	3.0	7.3
7	SANTA CRUZ	261,242	14.0	5.4 *	5.3 *	2.5	8.1
8	PLACER	312,241	18.0	5.8 *	5.5 *	2.9	8.1
9	MARIN	252,346	15.7	6.2 *	5.7 *	2.8	8.7
10	IMPERIAL	164,740	9.3	5.7 *	6.1 *	2.1	10.0
11	SONOMA	478,374	31.0	6.5	6.1	3.9	8.3
12	SAN LUIS OBISPO	261,243	17.7	6.8 *	6.2 *	3.2	9.2
13	KINGS	146,817	7.7	5.2 *	6.3 *	1.5	11.1
14	SAN MATEO	722,265	45.3	6.3	6.4	4.5	8.2
15	COLUSA	21,469	1.3	6.2 *	6.5 *	0.0	17.6
16	NAPA	133,784	9.7	7.2 *	6.8 *	2.5	11.1
17	SAN DIEGO	3,054,778	206.7	6.8	6.9	5.9	7.8
18	SIERRA	3,693	0.3	9.0 *	7.0 *	0.0	30.6
19	MONTEREY	422,506	29.7	7.0	7.1	4.5	9.6
20	VENTURA	813,633	60.7	7.5	7.5	5.6	9.4
21	NEVADA	99,303	8.3	8.4 *	7.8 *	2.0	13.5
22	SOLANO	419,753	34.7	8.3	8.3	5.5	11.1
23	STANISLAUS	510,612	44.7	8.7	9.1	6.4	11.7
<b>CALIFORNIA</b>		<b>36,957,436</b>	<b>3,366.3</b>	<b>9.1</b>	<b>9.2</b>	<b>8.8</b>	<b>9.5</b>
24	RIVERSIDE	1,923,731	179.7	9.3	9.5	8.1	10.9
25	TEHAMA	60,954	6.0	9.8 *	9.6 *	1.8	17.5
26	DEL NORTE	29,342	3.0	10.2 *	9.8 *	0.0	20.9
27	SAN FRANCISCO	795,135	69.7	8.8	9.8	7.3	12.4
28	MADERA	143,221	14.0	9.8 *	10.2 *	4.8	15.5
29	SAN JOAQUIN	662,014	65.7	9.9	10.3	7.8	12.8
30	ALAMEDA	1,500,324	155.3	10.4	10.4	8.7	12.0
31	FRESNO	891,502	93.7	10.5	10.4	8.3	12.6
32	GLENN	28,558	3.0	10.5 *	10.7 *	0.0	22.9
33	CONTRA COSTA	1,024,242	107.0	10.4	10.7	8.7	12.8
34	HUMBOLDT	131,410	14.7	11.2 *	10.7 *	5.2	16.3
35	SACRAMENTO	1,377,538	148.3	10.8	10.9	9.1	12.7
36	BUTTE	215,168	24.7	11.5	11.0	6.5	15.4
37	MERCED	243,813	27.0	11.1	11.2	6.8	15.5
38	SAN BERNARDINO	1,974,119	221.3	11.2	11.3	9.8	12.9
39	LOS ANGELES	10,216,326	1,140.3	11.2	11.4	10.7	12.1
40	SUTTER	90,519	10.0	11.0 *	11.5 *	4.3	18.7
41	KERN	770,151	88.7	11.5	12.1	9.5	14.6
42	EL DORADO	175,619	22.3	12.7	12.2	6.9	17.6
43	TULARE	416,503	54.3	13.0	13.0	9.4	16.5
44	LAKE	63,590	8.7	13.6 *	13.1 *	3.8	22.4
45	INYO	18,859	3.0	15.9 *	13.3 *	0.0	30.0
46	SHASTA	179,482	25.7	14.3	13.5	8.1	18.9
47	AMADOR	38,140	6.7	17.5 *	13.6 *	2.5	24.7
48	MENDOCINO	90,219	12.3	13.7 *	13.9 *	5.9	21.8
49	YUBA	69,540	9.3	13.4 *	14.3 *	4.9	23.6
50	LASSEN	35,772	5.0	14.0 *	14.5 *	1.5	27.4
51	MARIPOSA	18,309	2.7	14.6 *	15.1 *	0.0	34.6
52	CALAVERAS	45,124	8.3	18.5 *	15.8 *	4.4	27.2
53	PLUMAS	21,577	4.3	20.1 *	17.8 *	0.0	36.3
54	SISKIYOU	45,991	9.0	19.6 *	18.7 *	5.5	31.8
55	TUOLUMNE	57,426	12.0	20.9 *	20.6 *	8.2	32.9
56	MODOC	10,234	1.7	16.3 *	20.8 *	0.0	54.5
57	TRINITY	14,375	5.0	34.8 *	30.7 *	0.6	60.7
58	ALPINE	1,307	0.3	25.5 *	35.9 *	0.0	157.8

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

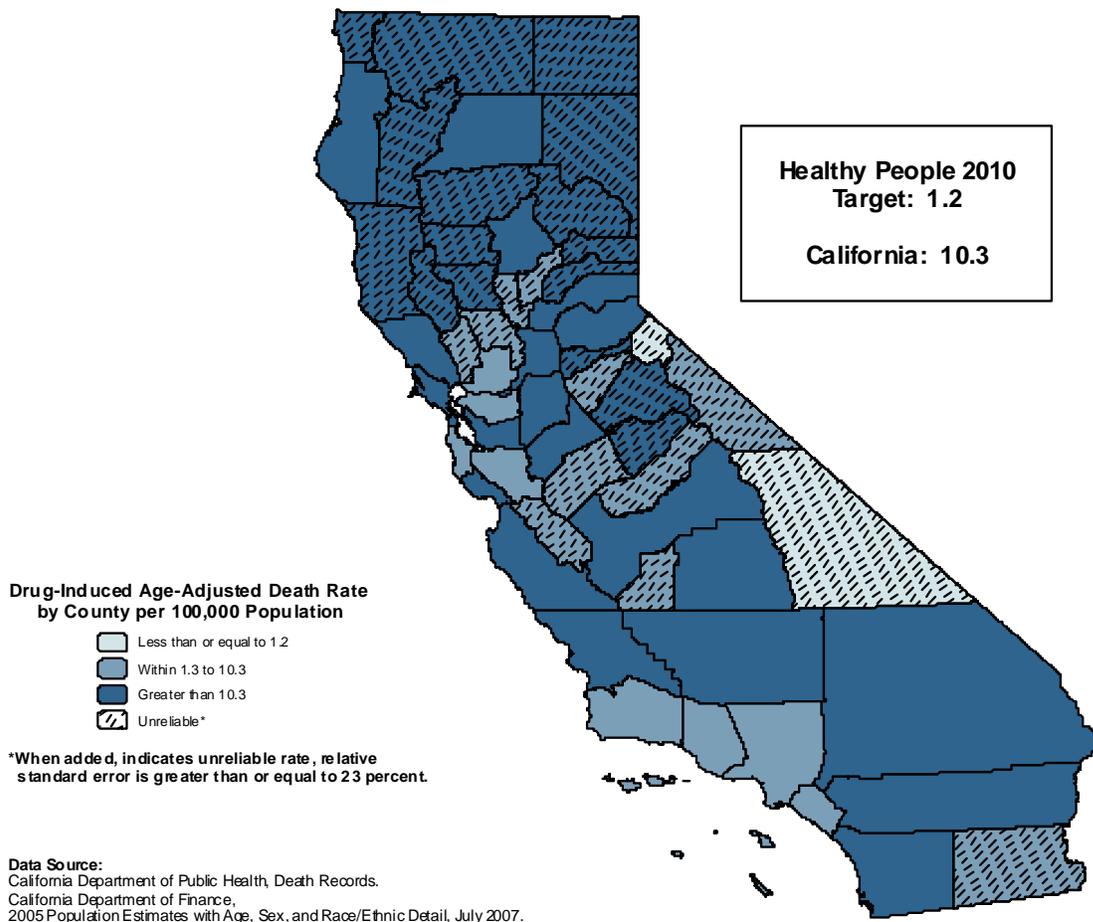
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## DRUG-INDUCED DEATHS, 2004-2006



The crude death rate from drug-induced deaths for California was 10.3 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 9,677 persons. This rate was based on a three-year average number of deaths of 3,819.0 from 2004 to 2006 and a population of 36,957,436 as of July 1, 2005. Among counties with "reliable" rates, the crude rate ranged from 31.5 in Humboldt County to 6.1 in Santa Clara County, a difference in rates by a factor of 5.2 to 1.

The age-adjusted death rate from drug-induced deaths for California for the three-year period from 2004 to 2006 was 10.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 31.0 in Humboldt County to 5.8 in Santa Clara County.

Two counties (none with reliable age-adjusted death rates) 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, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,307	0.0	-	-	-	-
2	INYO	18,859	0.3	1.8 *	1.2 *	0.0	5.1
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (26-3)</b>					<b>1.2</b>		
3	MONO	13,803	0.3	2.4 *	1.9 *	0.0	8.1
4	NAPA	133,784	6.3	4.7 *	4.7 *	1.0	8.4
5	SANTA CLARA	1,761,082	107.7	6.1	5.8	4.7	6.9
6	YUBA	69,540	4.0	5.8 *	6.0 *	0.1	11.9
7	YOLO	188,940	11.0	5.8 *	6.2 *	2.5	9.9
8	SAN MATEO	722,265	54.0	7.5	7.0	5.1	8.8
9	SUTTER	90,519	6.3	7.0 *	7.4 *	1.6	13.2
10	KINGS	146,817	10.3	7.0 *	7.8 *	3.0	12.7
11	LOS ANGELES	10,216,326	806.3	7.9	7.9	7.4	8.4
12	ORANGE	3,059,060	260.7	8.5	8.4	7.4	9.4
13	SOLANO	419,753	36.0	8.6	8.4	5.7	11.2
14	MERCED	243,813	18.3	7.5 *	8.8 *	4.8	12.9
15	SAN BENITO	57,534	5.3	9.3 *	9.2 *	1.4	17.0
16	CONTRA COSTA	1,024,242	97.7	9.5	9.3	7.4	11.1
17	CALAVERAS	45,124	5.0	11.1 *	9.4 *	1.0	17.8
18	VENTURA	813,633	78.0	9.6	9.7	7.5	11.8
19	MADERA	143,221	14.0	9.8 *	9.8 *	4.7	14.9
20	SANTA BARBARA	418,084	40.3	9.6	9.9	6.8	12.9
21	IMPERIAL	164,740	16.0	9.7 *	10.0 *	5.1	15.0
<b>CALIFORNIA</b>		<b>36,957,436</b>	<b>3,819.0</b>	<b>10.3</b>	<b>10.3</b>	<b>10.0</b>	<b>10.6</b>
22	SAN DIEGO	3,054,778	325.7	10.7	10.4	9.3	11.6
23	RIVERSIDE	1,923,731	190.7	9.9	10.6	9.1	12.2
24	ALAMEDA	1,500,324	174.3	11.6	10.9	9.3	12.5
25	SANTA CRUZ	261,242	31.0	11.9	10.9	7.1	14.8
26	MARIN	252,346	29.7	11.8	11.0	6.9	15.2
27	PLACER	312,241	35.7	11.4	11.1	7.4	14.8
28	SONOMA	478,374	57.0	11.9	11.2	8.2	14.1
29	MONTEREY	422,506	45.3	10.7	11.4	8.1	14.7
30	SAN LUIS OBISPO	261,243	30.7	11.7	11.5	7.3	15.6
31	SAN BERNARDINO	1,974,119	216.0	10.9	11.6	10.1	13.2
32	COLUSA	21,469	2.3	10.9 *	11.9 *	0.0	27.2
33	NEVADA	99,303	13.3	13.4 *	12.2 *	4.9	19.5
34	TULARE	416,503	45.7	11.0	12.3	8.7	15.9
35	SISKIYOU	45,991	6.0	13.0 *	12.4 *	1.8	23.1
36	TEHAMA	60,954	7.3	12.0 *	12.5 *	3.3	21.7
37	FRESNO	891,502	102.7	11.5	12.9	10.4	15.4
38	GLENN	28,558	3.7	12.8 *	13.2 *	0.0	26.9
39	MENDOCINO	90,219	13.7	15.1 *	13.7 *	6.2	21.2
40	EL DORADO	175,619	27.3	15.6	14.7	8.9	20.6
41	SAN JOAQUIN	662,014	87.3	13.2	14.8	11.7	18.0
42	KERN	770,151	108.7	14.1	15.3	12.4	18.2
43	PLUMAS	21,577	4.3	20.1 *	16.2 *	0.0	32.6
44	SACRAMENTO	1,377,538	233.7	17.0	17.0	14.8	19.1
45	STANISLAUS	510,612	86.0	16.8	18.5	14.5	22.4
46	SAN FRANCISCO	795,135	167.0	21.0	18.7	15.8	21.6
47	MODOC	10,234	1.7	16.3 *	18.8 *	0.0	48.7
48	SIERRA	3,693	1.0	27.1 *	20.5 *	0.0	60.7
49	MARIPOSA	18,309	3.7	20.0 *	20.6 *	0.0	42.7
50	LASSEN	35,772	8.3	23.3 *	21.3 *	6.8	35.9
51	DEL NORTE	29,342	6.7	22.7 *	21.5 *	5.1	37.8
52	AMADOR	38,140	8.7	22.7 *	21.9 *	6.8	37.0
53	BUTTE	215,168	49.7	23.1	22.8	16.3	29.3
54	TRINITY	14,375	3.0	20.9 *	23.1 *	0.0	51.7
55	SHASTA	179,482	41.7	23.2	24.0	16.5	31.5
56	LAKE	63,590	16.0	25.2 *	24.5 *	11.6	37.3
57	TUOLUMNE	57,426	14.3	25.0 *	25.3 *	11.4	39.1
58	HUMBOLDT	131,410	41.3	31.5	31.0	21.4	40.6

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

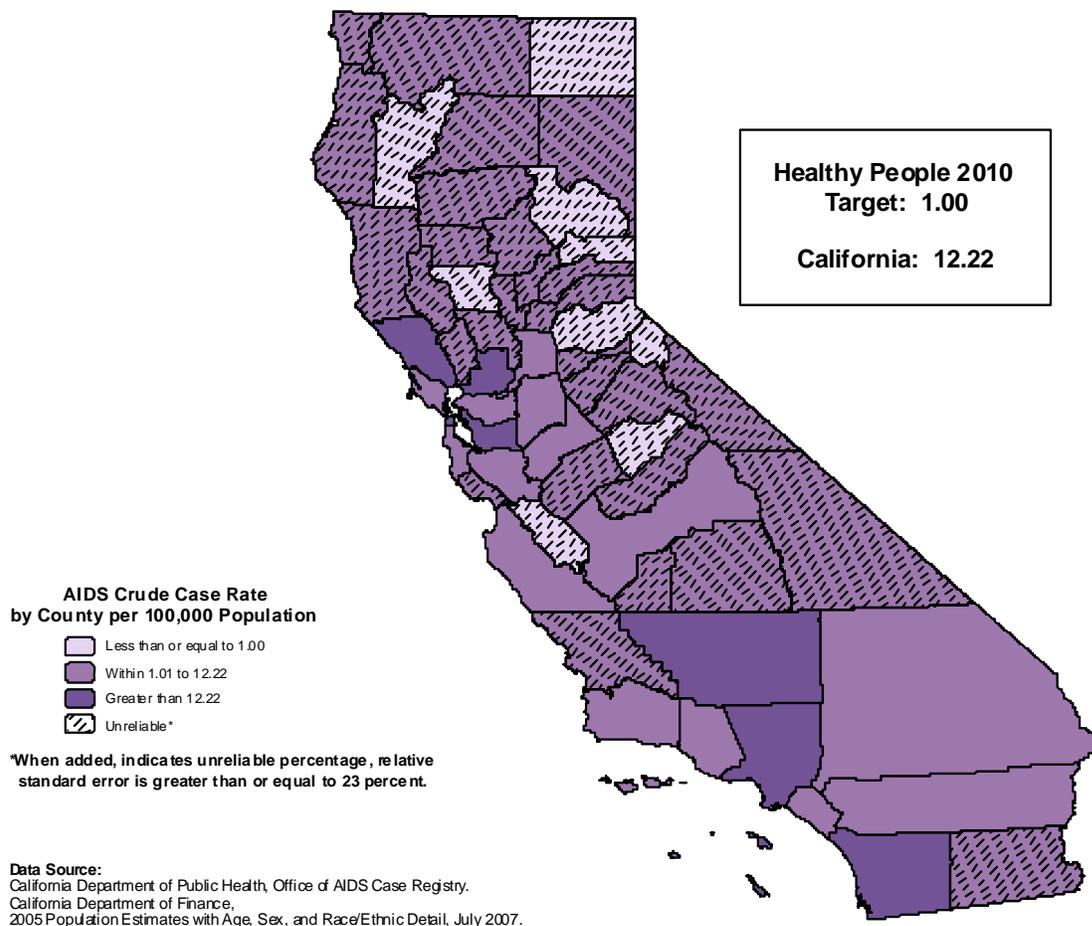
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Death Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OVER, 2004-2006



The crude case rate of reported AIDS cases for Californians aged 13 years and older was 12.22 cases per 100,000 population aged 13 years and over or approximately one reported AIDS case for every 8,181 persons. This rate was based on a 2004 to 2006 three-year average reported number of cases of 3,653.00 and a population of 29,884,422 as of July 1, 2005.

Among counties with “reliable” rates, the crude case rate ranged from 62.16 in San Francisco County to 4.36 in San Mateo County, a difference in rates by a factor of 14.3 to 1. Seven counties reported no new incidence of AIDS during the three-year period for this age group.

Nine counties (none with reliable case rates) met the Healthy People 2010 National Objective 13-1 of no more than 1.00 AIDS case per 100,000 population aged 13 years and older. 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, 2004-2006**

RANK ORDER	COUNTY	2005	2004-2006	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
		POPULATION AGED 13 AND OVER	CASES (AVERAGE)		LOWER	UPPER
1	PLUMAS	18,955	0.00	-	-	-
2	COLUSA	17,065	0.00	-	-	-
3	MARIPOSA	16,280	0.00	-	-	-
4	TRINITY	12,519	0.00	-	-	-
5	MODOC	8,810	0.00	-	-	-
6	SIERRA	3,294	0.00	-	-	-
7	ALPINE	1,149	0.00	-	-	-
8	SAN BENITO	45,218	0.33	0.74 *	0.00	3.24
9	EL DORADO	149,075	1.33	0.89 *	0.00	2.41
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (13-1)</b>				<b>1.00</b>		
10	YUBA	55,001	0.67	1.21 *	0.00	4.12
11	GLENN	23,046	0.33	1.45 *	0.00	6.36
12	SISKIYOU	39,598	0.67	1.68 *	0.00	5.73
13	PLACER	256,423	4.67	1.82 *	0.17	3.47
14	TEHAMA	50,926	1.00	1.96 *	0.00	5.81
15	TUOLUMNE	50,880	1.00	1.97 *	0.00	5.82
16	NEVADA	86,669	2.00	2.31 *	0.00	5.51
17	CALAVERAS	39,907	1.00	2.51 *	0.00	7.42
18	YOLO	156,842	4.33	2.76 *	0.16	5.36
19	MONO	11,796	0.33	2.83 *	0.00	12.42
20	MADERA	114,308	3.33	2.92 *	0.00	6.05
21	MERCED	189,405	6.00	3.17 *	0.63	5.70
22	TULARE	323,116	11.33	3.51 *	1.47	5.55
23	AMADOR	34,105	1.33	3.91 *	0.00	10.55
24	INYO	16,138	0.67	4.13 *	0.00	14.05
25	BUTTE	182,688	7.67	4.20 *	1.23	7.17
26	LAKE	55,143	2.33	4.23 *	0.00	9.66
27	LASSEN	31,175	1.33	4.28 *	0.00	11.54
28	SAN MATEO	603,307	26.33	4.36	2.70	6.03
29	NAPA	110,261	5.00	4.53 *	0.56	8.51
30	VENTURA	661,582	33.67	5.09	3.37	6.81
31	DEL NORTE	25,221	1.33	5.29 *	0.00	14.26
32	STANISLAUS	392,672	21.67	5.52	3.19	7.84
33	SANTA CRUZ	220,478	12.33	5.59 *	2.47	8.72
34	MENDOCINO	76,035	4.33	5.70 *	0.33	11.07
35	SHASTA	150,807	8.67	5.75 *	1.92	9.57
36	SUTTER	71,232	4.33	6.08 *	0.36	11.81
37	HUMBOLDT	111,624	7.00	6.27 *	1.63	10.92
38	SAN LUIS OBISPO	224,535	14.67	6.53 *	3.19	9.88
39	FRESNO	702,928	46.67	6.64	4.73	8.54
40	MONTEREY	333,474	23.33	7.00	4.16	9.84
41	SANTA CLARA	1,427,310	101.67	7.12	5.74	8.51
42	SANTA BARBARA	343,420	24.67	7.18	4.35	10.02
43	KINGS	116,643	8.67	7.43 *	2.48	12.38
44	ORANGE	2,487,295	192.67	7.75	6.65	8.84
45	SACRAMENTO	1,109,971	88.33	7.96	6.30	9.62
46	CONTRA COSTA	844,222	71.00	8.41	6.45	10.37
47	SAN BERNARDINO	1,560,531	139.00	8.91	7.43	10.39
48	IMPERIAL	133,948	12.67	9.46 *	4.25	14.66
49	SAN JOAQUIN	504,969	49.00	9.70	6.99	12.42
50	MARIN	214,087	23.33	10.90	6.48	15.32
51	RIVERSIDE	1,536,964	174.00	11.32	9.64	13.00
<b>CALIFORNIA</b>		<b>29,884,422</b>	<b>3,653.00</b>	<b>12.22</b>	<b>11.83</b>	<b>12.62</b>
52	SONOMA	397,288	49.33	12.42	8.95	15.88
53	SOLANO	342,715	47.00	13.71	9.79	17.63
54	KERN	601,773	87.00	14.46	11.42	17.50
55	ALAMEDA	1,239,018	183.67	14.82	12.68	16.97
56	LOS ANGELES	8,159,148	1,289.67	15.81	14.94	16.67
57	SAN DIEGO	2,481,399	409.00	16.48	14.89	18.08
58	SAN FRANCISCO	710,034	441.33	62.16	56.36	67.96

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

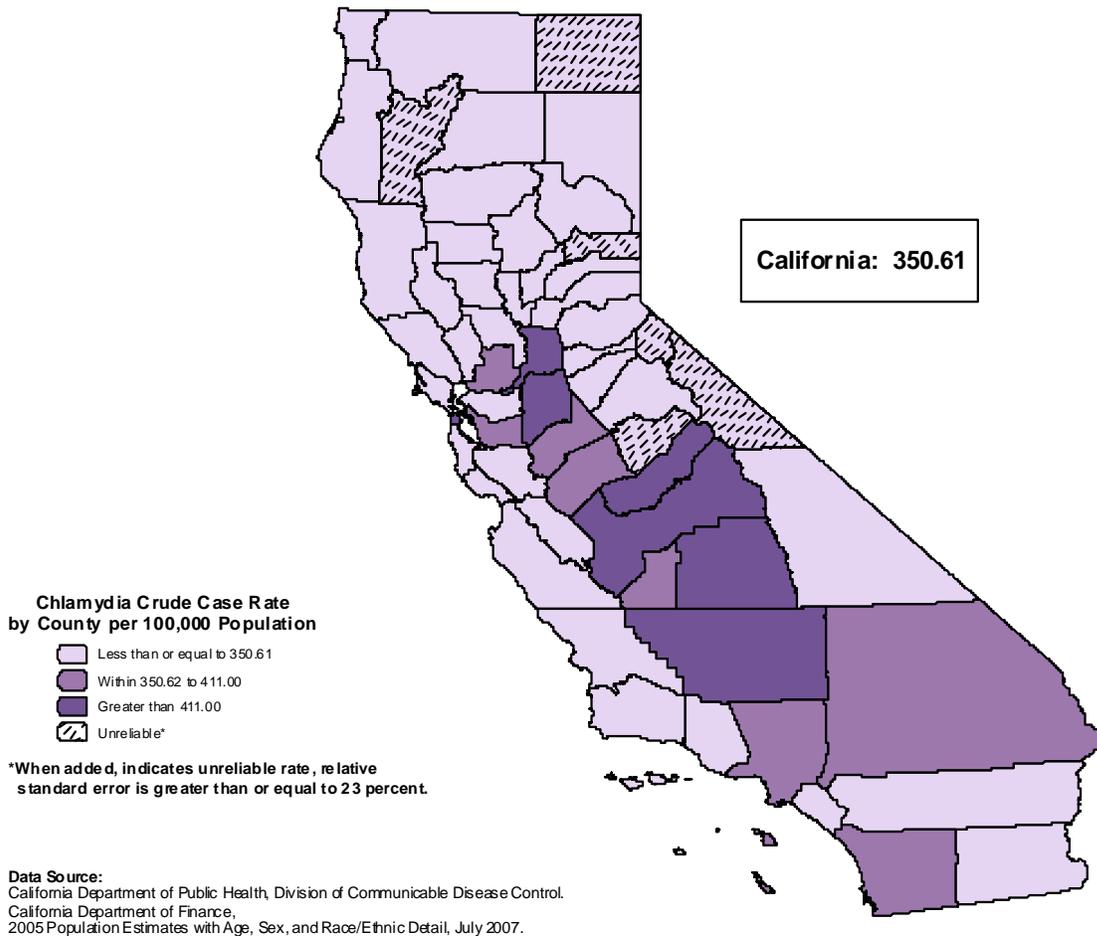
\* Case rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Division of Communicable Disease Control.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## REPORTED INCIDENCE OF CHLAMYDIA, 2004-2006



The crude case rate of reported chlamydia cases for California was 350.61 cases per 100,000 population or approximately one reported chlamydia case for every 285 persons. This rate was based on a 2004 to 2006 three-year average reported number of cases of 129,577.00 and a population of 36,957,436 as of July 1, 2005.

Among counties with “reliable” rates, the crude case rate ranged from 559.39 in Fresno County to 76.09 in Calaveras County, a difference in rates by a factor of 7.4 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, 2004-2006**

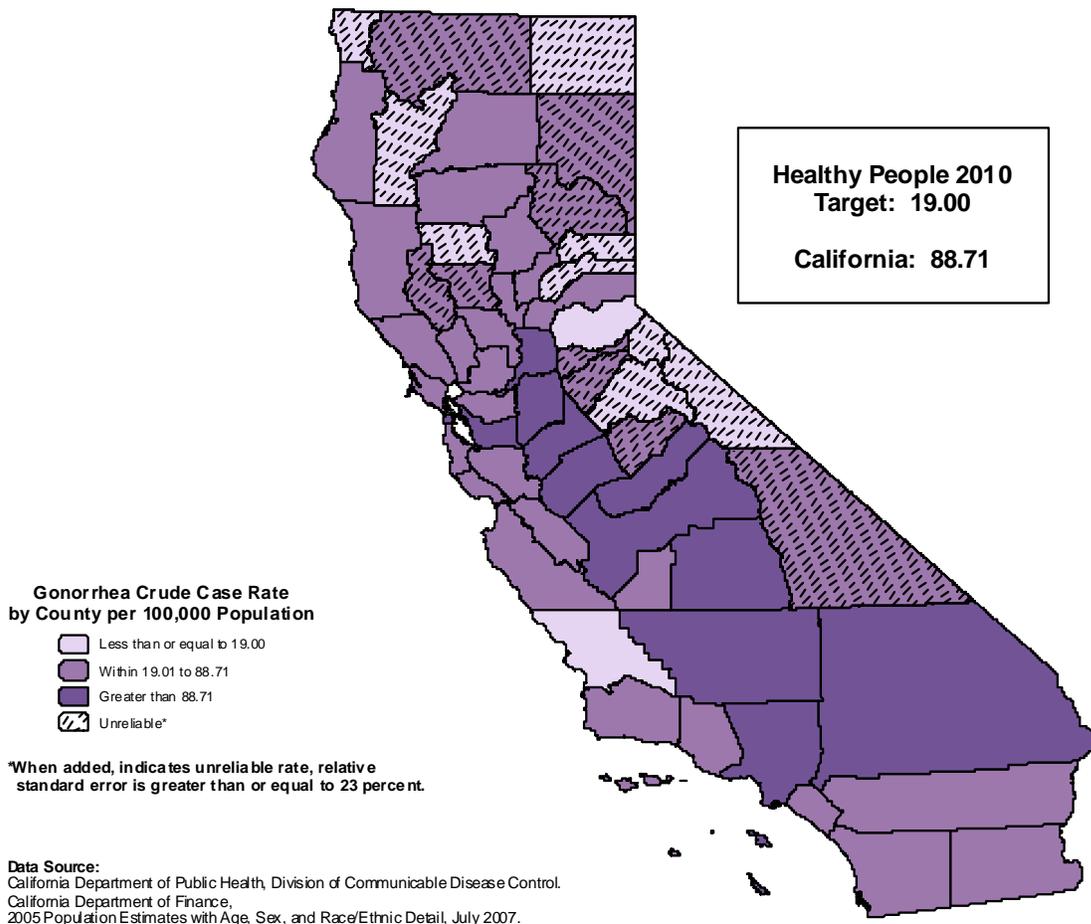
RANK ORDER	COUNTY	2005 POPULATION	2004-2006 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (25-1)</b>				<b>NOTE</b>		
1	SIERRA	3,693	1.00	27.08 *	0.00	80.15
2	ALPINE	1,307	0.67	51.01 *	0.00	173.45
3	CALAVERAS	45,124	34.33	76.09	50.64	101.54
4	MONO	13,803	12.00	86.94 *	37.75	136.13
5	DEL NORTE	29,342	26.00	88.61	54.55	122.67
6	MARIPOSA	18,309	16.33	89.21 *	45.95	132.47
7	MODOC	10,234	9.67	94.46 *	34.91	154.00
8	TRINITY	14,375	14.33	99.71 *	48.09	151.33
9	LASSEN	35,772	40.67	113.68	78.74	148.62
10	AMADOR	38,140	44.00	115.36	81.28	149.45
11	NEVADA	99,303	115.67	116.48	95.25	137.71
12	PLUMAS	21,577	25.33	117.41	71.69	163.13
13	EL DORADO	175,619	232.67	132.48	115.46	149.51
14	TUOLUMNE	57,426	82.00	142.79	111.89	173.70
15	INYO	18,859	27.33	144.94	90.60	199.27
16	SONOMA	478,374	746.00	155.94	144.75	167.14
17	NAPA	133,784	215.33	160.96	139.46	182.45
18	LAKE	63,590	105.67	166.17	134.48	197.85
19	PLACER	312,241	519.00	166.22	151.92	180.52
20	COLUSA	21,469	37.00	172.34	116.81	227.87
21	VENTURA	813,633	1,430.67	175.84	166.73	184.95
22	GLENN	28,558	55.33	193.76	142.70	244.81
23	SAN LUIS OBISPO	261,243	529.00	202.49	185.24	219.75
24	MARIN	252,346	527.67	209.10	191.26	226.95
25	MENDOCINO	90,219	188.67	209.12	179.28	238.96
26	SAN MATEO	722,265	1,564.00	216.54	205.81	227.27
27	SAN BENITO	57,534	129.67	225.37	186.58	264.17
28	SANTA CRUZ	261,242	594.00	227.38	209.09	245.66
29	SUTTER	90,519	206.00	227.58	196.50	258.65
30	SISKIYOU	45,991	104.67	227.58	183.98	271.18
31	RIVERSIDE	1,923,731	4,502.67	234.06	227.22	240.90
32	ORANGE	3,059,060	7,282.67	238.07	232.60	243.54
33	TEHAMA	60,954	150.67	247.18	207.71	286.65
34	HUMBOLDT	131,410	336.67	256.20	228.83	283.56
35	YOLO	188,940	485.33	256.87	234.02	279.73
36	SANTA BARBARA	418,084	1,085.00	259.52	244.08	274.96
37	IMPERIAL	164,740	449.33	272.75	247.53	297.97
38	SHASTA	179,482	506.67	282.29	257.71	306.87
39	CONTRA COSTA	1,024,242	2,903.00	283.43	273.12	293.74
40	YUBA	69,540	208.00	299.11	258.46	339.76
41	MONTEREY	422,506	1,280.33	303.03	286.43	319.63
42	SANTA CLARA	1,761,082	5,528.33	313.92	305.64	322.19
43	BUTTE	215,168	684.33	318.05	294.22	341.88
	<b>CALIFORNIA</b>	<b>36,957,436</b>	<b>129,577.00</b>	<b>350.61</b>	<b>348.70</b>	<b>352.52</b>
44	ALAMEDA	1,500,324	5,492.67	366.10	356.42	375.78
45	STANISLAUS	510,612	1,877.00	367.60	350.97	384.23
46	SAN DIEGO	3,054,778	11,276.00	369.13	362.31	375.94
47	SOLANO	419,753	1,597.33	380.54	361.88	399.20
48	SAN BERNARDINO	1,974,119	7,711.67	390.64	381.92	399.36
49	KINGS	146,817	587.67	400.27	367.91	432.63
50	MERCED	243,813	998.00	409.33	383.93	434.73
51	LOS ANGELES	10,216,326	41,988.67	411.00	407.06	414.93
52	TULARE	416,503	1,792.00	430.25	410.33	450.17
53	SAN JOAQUIN	662,014	2,861.33	432.22	416.38	448.05
54	MADERA	143,221	674.67	471.07	435.52	506.61
55	SAN FRANCISCO	795,135	3,836.00	482.43	467.17	497.70
56	SACRAMENTO	1,377,538	6,934.33	503.39	491.54	515.23
57	KERN	770,151	3,925.00	509.64	493.70	525.58
58	FRESNO	891,502	4,987.00	559.39	543.87	574.92

\* Case rate unreliable, relative standard error is greater than or equal to 23 percent.

Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population. Age-adjusted death rates could not be calculated because prevalence data are not available by age in all California counties.

Source: California Department of Public Health: Division of Communicable Disease Control.  
California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## REPORTED INCIDENCE OF GONORRHEA, 2004-2006



The crude case rate of reported gonorrhea cases for California was 88.71 cases per 100,000 population or approximately one reported gonorrhea case for every 1,127 persons. This rate was based on a 2004 to 2006 three-year average reported number of cases of 32,785.00 and a population of 36,957,436 as of July 1, 2005.

Among counties with “reliable” rates, the crude case rate ranged from 297.89 in San Francisco County to 11.58 in El Dorado County, a difference in rates by a factor of 25.7 to 1.

Eleven counties (two with reliable case rates) met the Healthy People 2010 National Objective 25-2a of no more than 19.00 gonorrhea cases per 100,000 population. 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, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	ALPINE	1,307	0.00	-	-	-
2	DEL NORTE	29,342	2.00	6.82 *	0.00	16.26
3	SIERRA	3,693	0.33	9.03 *	0.00	39.67
4	NEVADA	99,303	9.00	9.06 *	3.14	14.98
5	EL DORADO	175,619	20.33	11.58	6.55	16.61
6	TRINITY	14,375	1.67	11.59 *	0.00	29.20
7	GLENN	28,558	4.33	15.17 *	0.89	29.46
8	SAN LUIS OBISPO	261,243	40.67	15.57	10.78	20.35
9	MODOC	10,234	1.67	16.29 *	0.00	41.01
10	TUOLUMNE	57,426	9.67	16.83 *	6.22	27.44
11	MONO	13,803	2.33	16.90 *	0.00	38.60
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (25-2a)</b>				<b>19.00</b>		
12	PLUMAS	21,577	4.33	20.08 *	1.17	38.99
13	VENTURA	813,633	166.67	20.48	17.37	23.59
14	PLACER	312,241	64.33	20.60	15.57	25.64
15	AMADOR	38,140	8.00	20.98 *	6.44	35.51
16	SISKIYOU	45,991	9.67	21.02 *	7.77	34.27
17	INYO	18,859	4.00	21.21 *	0.42	42.00
18	NAPA	133,784	28.67	21.43	13.58	29.27
19	SANTA BARBARA	418,084	91.00	21.77	17.29	26.24
20	MENDOCINO	90,219	19.67	21.80	12.16	31.43
21	COLUSA	21,469	5.00	23.29 *	2.88	43.70
22	MARIPOSA	18,309	4.33	23.67 *	1.38	45.95
23	LASSEN	35,772	8.67	24.23 *	8.10	40.36
24	CALAVERAS	45,124	11.00	24.38 *	9.97	38.78
25	LAKE	63,590	15.67	24.64 *	12.44	36.84
26	HUMBOLDT	131,410	32.67	24.86	16.33	33.38
27	SHASTA	179,482	50.67	28.23	20.46	36.00
28	MARIN	252,346	71.33	28.27	21.71	34.83
29	SONOMA	478,374	140.67	29.41	24.55	34.26
30	TEHAMA	60,954	19.00	31.17	17.15	45.19
31	IMPERIAL	164,740	51.67	31.36	22.81	39.91
32	SANTA CRUZ	261,242	85.00	32.54	25.62	39.45
33	YOLO	188,940	61.67	32.64	24.49	40.78
34	ORANGE	3,059,060	1,064.00	34.78	32.69	36.87
35	SAN MATEO	722,265	267.67	37.06	32.62	41.50
36	RIVERSIDE	1,923,731	885.33	46.02	42.99	49.05
37	MONTEREY	422,506	200.33	47.42	40.85	53.98
38	SANTA CLARA	1,761,082	1,028.33	58.39	54.82	61.96
39	BUTTE	215,168	128.33	59.64	49.32	69.96
40	SUTTER	90,519	58.00	64.07	47.58	80.57
41	SAN BENITO	57,534	38.67	67.21	46.02	88.39
42	KINGS	146,817	115.00	78.33	64.01	92.65
43	CONTRA COSTA	1,024,242	808.00	78.89	73.45	84.33
44	SOLANO	419,753	352.67	84.02	75.25	92.79
45	SAN DIEGO	3,054,778	2,584.33	84.60	81.34	87.86
46	YUBA	69,540	60.33	86.76	64.87	108.65
<b>CALIFORNIA</b>		<b>36,957,436</b>	<b>32,785.00</b>	<b>88.71</b>	<b>87.75</b>	<b>89.67</b>
47	MERCED	243,813	237.33	97.34	84.96	109.73
48	MADERA	143,221	144.67	101.01	84.55	117.47
49	TULARE	416,503	427.33	102.60	92.87	112.33
50	STANISLAUS	510,612	532.00	104.19	95.34	113.04
51	SAN BERNARDINO	1,974,119	2,057.67	104.23	99.73	108.74
52	LOS ANGELES	10,216,326	10,951.67	107.20	105.19	109.21
53	SAN JOAQUIN	662,014	789.67	119.28	110.96	127.60
54	ALAMEDA	1,500,324	2,068.67	137.88	131.94	143.82
55	FRESNO	891,502	1,306.00	146.49	138.55	154.44
56	KERN	770,151	1,162.33	150.92	142.25	159.60
57	SACRAMENTO	1,377,538	2,102.33	152.62	146.09	159.14
58	SAN FRANCISCO	795,135	2,368.67	297.89	285.90	309.89

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

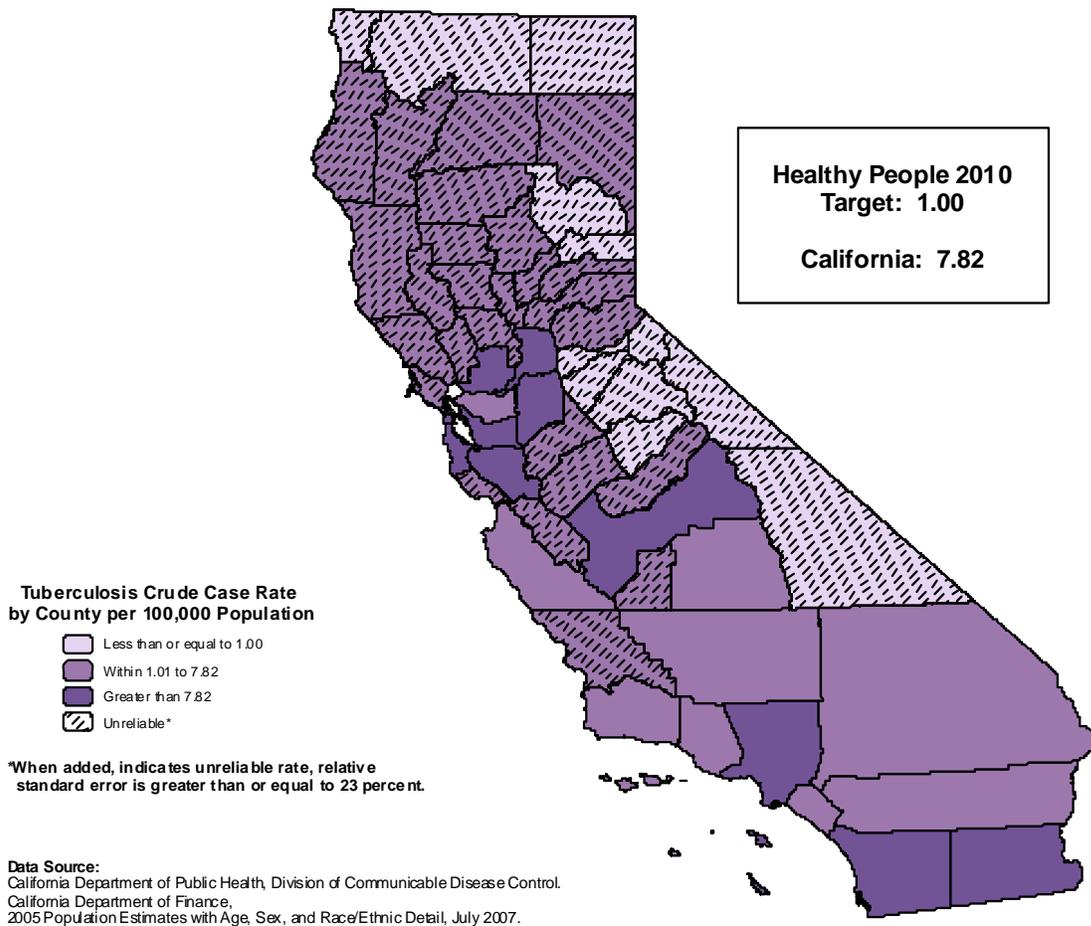
\* Case rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Division of Communicable Disease Control.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## REPORTED INCIDENCE OF TUBERCULOSIS, 2004-2006



The crude case rate of reported tuberculosis cases for California was 7.82 cases per 100,000 population or approximately one reported tuberculosis case for every 12,787 persons. This rate was based on a 2004 to 2006 three-year average reported number of cases of 2,890.33 and a population of 36,957,436 as of July 1, 2005.

Among counties with "reliable" rates, the crude case rate ranged from 19.42 in Imperial County to 3.17 in San Bernardino County, a difference in rates by a factor of 6.1 to 1. Ten counties reported no new incidence of tuberculosis during the three-year period.

Twelve counties (none with reliable case rates) met the Healthy People 2010 National Objective 14-11 of no more than 1.00 tuberculosis case per 100,000 population. 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, 2004-2006**

RANK ORDER	COUNTY	2005 POPULATION	2004-2006 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	CALAVERAS	45,124	0.00	-	-	-
2	AMADOR	38,140	0.00	-	-	-
3	DEL NORTE	29,342	0.00	-	-	-
4	PLUMAS	21,577	0.00	-	-	-
5	INYO	18,859	0.00	-	-	-
6	MARIPOSA	18,309	0.00	-	-	-
7	MONO	13,803	0.00	-	-	-
8	MODOC	10,234	0.00	-	-	-
9	SIERRA	3,693	0.00	-	-	-
10	ALPINE	1,307	0.00	-	-	-
11	TUOLUMNE	57,426	0.33	0.58 *	0.00	2.55
12	SISKIYOU	45,991	0.33	0.72 *	0.00	3.19
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (14-11)</b>				<b>1.00</b>		
13	GLENN	28,558	0.33	1.17 *	0.00	5.13
14	PLACER	312,241	4.33	1.39 *	0.08	2.69
15	SUTTER	90,519	1.33	1.47 *	0.00	3.97
16	SAN LUIS OBISPO	261,243	4.00	1.53 *	0.03	3.03
17	BUTTE	215,168	3.33	1.55 *	0.00	3.21
18	NEVADA	99,303	1.67	1.68 *	0.00	4.23
19	SAN BENITO	57,534	1.00	1.74 *	0.00	5.14
20	LASSEN	35,772	0.67	1.86 *	0.00	6.34
21	EL DORADO	175,619	3.67	2.09 *	0.00	4.22
22	LAKE	63,590	1.33	2.10 *	0.00	5.66
23	HUMBOLDT	131,410	3.00	2.28 *	0.00	4.87
24	TRINITY	14,375	0.33	2.32 *	0.00	10.19
25	MENDOCINO	90,219	2.33	2.59 *	0.00	5.90
26	SHASTA	179,482	5.00	2.79 *	0.34	5.23
27	YOLO	188,940	5.67	3.00 *	0.53	5.47
28	STANISLAUS	510,612	15.33	3.00 *	1.50	4.51
29	COLUSA	21,469	0.67	3.11 *	0.00	10.56
30	SONOMA	478,374	15.00	3.14 *	1.55	4.72
31	SAN BERNARDINO	1,974,119	62.67	3.17	2.39	3.96
32	KINGS	146,817	4.67	3.18 *	0.29	6.06
33	SANTA CRUZ	261,242	8.33	3.19 *	1.02	5.36
34	MERCED	243,813	8.33	3.42 *	1.10	5.74
35	RIVERSIDE	1,923,731	69.67	3.62	2.77	4.47
36	TEHAMA	60,954	2.33	3.83 *	0.00	8.74
37	MARIN	252,346	9.67	3.83 *	1.42	6.25
38	MADERA	143,221	5.67	3.96 *	0.70	7.21
39	NAPA	133,784	5.67	4.24 *	0.75	7.72
40	YUBA	69,540	3.00	4.31 *	0.00	9.20
41	TULARE	416,503	19.00	4.56	2.51	6.61
42	SANTA BARBARA	418,084	19.67	4.70	2.62	6.78
43	KERN	770,151	39.33	5.11	3.51	6.70
44	CONTRA COSTA	1,024,242	57.33	5.60	4.15	7.05
45	VENTURA	813,633	58.67	7.21	5.37	9.06
46	MONTEREY	422,506	31.67	7.49	4.88	10.11
47	ORANGE	3,059,060	230.33	7.53	6.56	8.50
<b>CALIFORNIA</b>		<b>36,957,436</b>	<b>2,890.33</b>	<b>7.82</b>	<b>7.54</b>	<b>8.11</b>
48	SOLANO	419,753	35.67	8.50	5.71	11.29
49	FRESNO	891,502	77.67	8.71	6.77	10.65
50	SAN MATEO	722,265	65.33	9.05	6.85	11.24
51	LOS ANGELES	10,216,326	967.00	9.47	8.87	10.06
52	SACRAMENTO	1,377,538	133.67	9.70	8.06	11.35
53	ALAMEDA	1,500,324	152.33	10.15	8.54	11.77
54	SAN DIEGO	3,054,778	313.33	10.26	9.12	11.39
55	SAN JOAQUIN	662,014	68.67	10.37	7.92	12.83
56	SANTA CLARA	1,761,082	210.00	11.92	10.31	13.54
57	SAN FRANCISCO	795,135	129.00	16.22	13.42	19.02
58	IMPERIAL	164,740	32.00	19.42	12.69	26.15

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

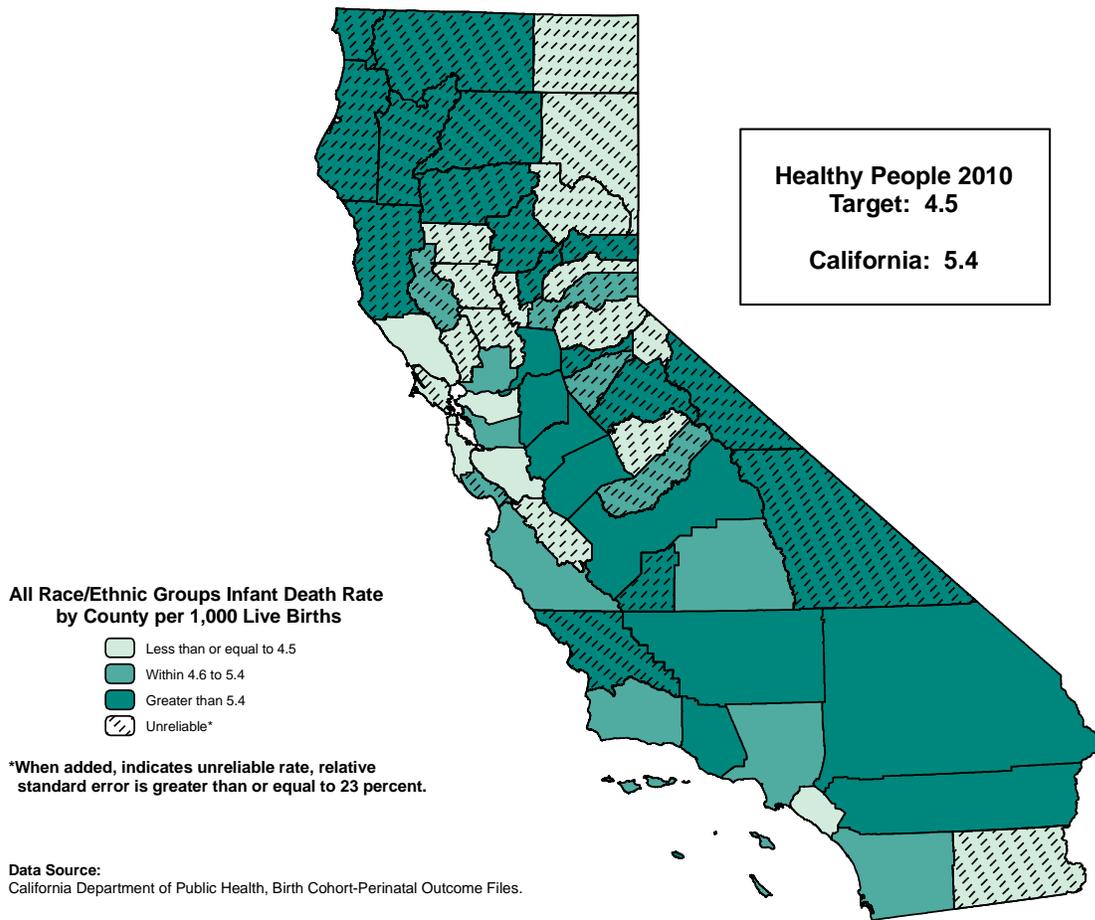
\* Case rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Division of Communicable Disease Control.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## INFANT MORTALITY, ALL RACE/ETHNIC GROUPS, 2003-2005



The birth cohort infant death rate for California was 5.4 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 186 births. This rate was based on the 2,925.0 infant deaths among 544,822.3 live births, the three-year average for the years 2003 to 2005.

Among counties with “reliable” rates, the birth cohort infant death rate ranged from 7.4 in Fresno County to 3.7 in San Francisco County, a difference in rates by a factor of 2.0 to 1.

Twenty-one counties (six with reliable 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. The statewide 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, 2003-2005**

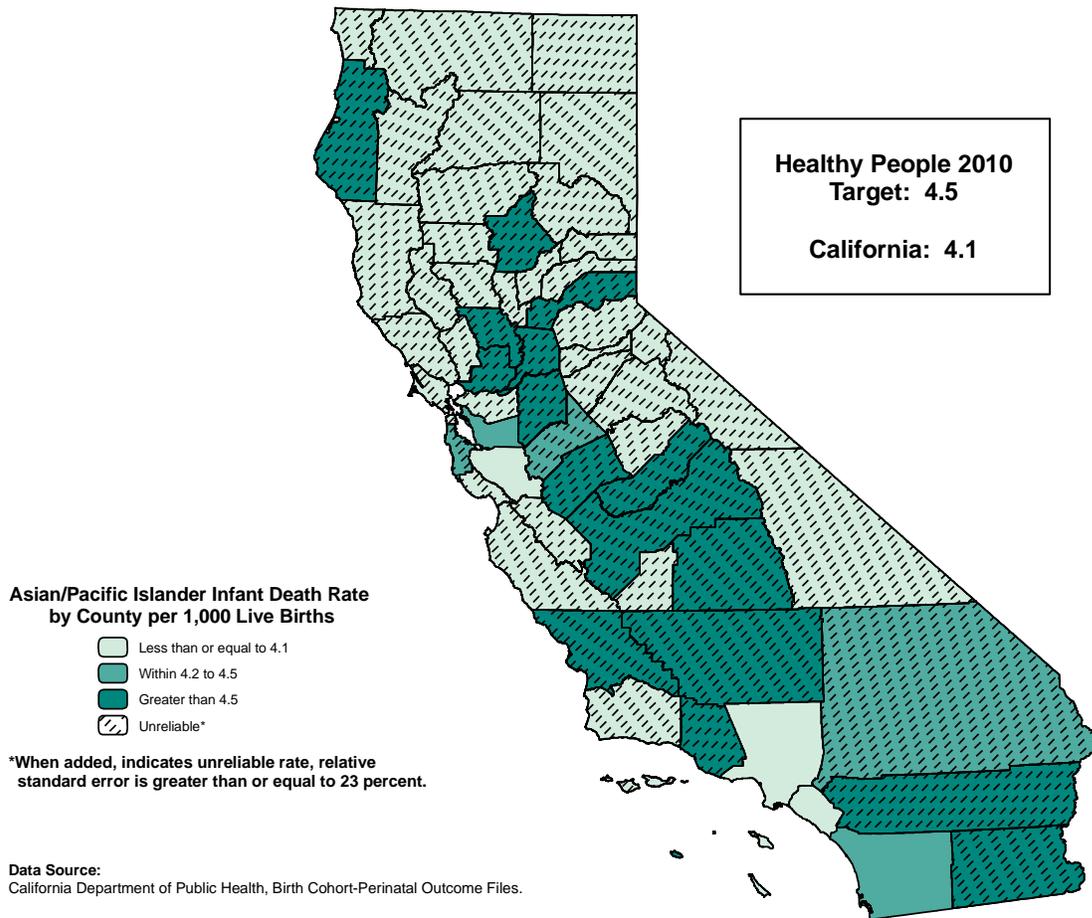
RANK ORDER	COUNTY	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	PLUMAS	176.3	0.0	-	-	-
2	ALPINE	12.3	0.0	-	-	-
3	GLENN	420.0	0.7	1.6 *	0.0	5.4
4	MARIPOSA	135.7	0.3	2.5 *	0.0	10.8
5	EL DORADO	1,860.7	5.7	3.0 *	0.5	5.6
6	LASSEN	296.7	1.0	3.4 *	0.0	10.0
7	SAN BENITO	882.7	3.0	3.4 *	0.0	7.2
8	MARIN	2,802.7	9.7	3.4 *	1.3	5.6
9	NEVADA	819.3	3.0	3.7 *	0.0	7.8
10	SAN FRANCISCO	8,547.7	32.0	3.7	2.4	5.0
11	COLUSA	352.0	1.3	3.8 *	0.0	10.2
12	SONOMA	5,807.3	22.0	3.8	2.2	5.4
13	SUTTER	1,392.7	5.3	3.8 *	0.6	7.1
14	YOLO	2,431.0	9.3	3.8 *	1.4	6.3
15	NAPA	1,646.0	6.3	3.8 *	0.9	6.8
16	MODOC	85.0	0.3	3.9 *	0.0	17.2
17	CONTRA COSTA	13,214.0	53.7	4.1	3.0	5.1
18	IMPERIAL	2,942.3	12.0	4.1 *	1.8	6.4
19	SANTA CLARA	26,696.3	113.0	4.2	3.5	5.0
20	ORANGE	44,830.0	200.0	4.5	3.8	5.1
21	SAN MATEO	10,070.0	45.0	4.5	3.2	5.8
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)</b>				<b>4.5</b>		
22	MADERA	2,329.0	10.7	4.6 *	1.8	7.3
23	PLACER	3,753.3	17.3	4.6 *	2.4	6.8
24	SANTA CRUZ	3,414.7	16.0	4.7 *	2.4	7.0
25	LAKE	699.7	3.3	4.8 *	0.0	9.9
26	SANTA BARBARA	6,067.0	29.0	4.8	3.0	6.5
27	ALAMEDA	21,136.7	103.7	4.9	4.0	5.8
28	CALAVERAS	338.7	1.7	4.9 *	0.0	12.4
29	SOLANO	5,747.7	29.3	5.1	3.3	7.0
30	SAN DIEGO	45,684.3	238.0	5.2	4.5	5.9
31	LOS ANGELES	151,396.0	803.3	5.3	4.9	5.7
32	TULARE	7,909.3	42.7	5.4	3.8	7.0
33	MONTEREY	7,440.0	40.3	5.4	3.7	7.1
<b>CALIFORNIA</b>		<b>544,822.3</b>	<b>2,925.0</b>	<b>5.4</b>	<b>5.2</b>	<b>5.6</b>
34	SAN LUIS OBISPO	2,659.7	14.7	5.5 *	2.7	8.3
35	SACRAMENTO	20,815.3	119.3	5.7	4.7	6.8
36	YUBA	1,212.0	7.0	5.8 *	1.5	10.1
37	TEHAMA	777.0	4.7	6.0 *	0.6	11.5
38	SHASTA	2,077.0	12.7	6.1 *	2.7	9.5
39	RIVERSIDE	29,702.3	182.0	6.1	5.2	7.0
40	MERCED	4,347.7	27.0	6.2	3.9	8.6
41	HUMBOLDT	1,518.3	9.7	6.4 *	2.4	10.4
42	VENTURA	12,041.7	77.3	6.4	5.0	7.9
43	KERN	13,456.0	86.7	6.4	5.1	7.8
44	MONO	154.0	1.0	6.5 *	0.0	19.2
45	KINGS	2,489.3	16.3	6.6 *	3.4	9.7
46	SAN JOAQUIN	10,987.0	72.3	6.6	5.1	8.1
47	STANISLAUS	8,176.0	54.7	6.7	4.9	8.5
48	MENDOCINO	1,118.3	7.7	6.9 *	2.0	11.7
49	SAN BERNARDINO	31,941.7	222.3	7.0	6.0	7.9
50	AMADOR	283.0	2.0	7.1 *	0.0	16.9
51	BUTTE	2,396.0	17.0	7.1 *	3.7	10.5
52	TUOLUMNE	463.7	3.3	7.2 *	0.0	14.9
53	FRESNO	15,743.0	116.3	7.4	6.0	8.7
54	SISKIYOU	476.7	4.3	9.1 *	0.5	17.7
55	DEL NORTE	303.7	3.0	9.9 *	0.0	21.1
56	TRINITY	112.0	1.3	11.9 *	0.0	32.1
57	SIERRA	28.0	0.3	11.9 *	0.0	52.3
58	INYO	206.0	3.0	14.6 *	0.0	31.0

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

\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: Birth Cohort-Perinatal Outcome Files, 2003-2005.

## ASIAN/PACIFIC ISLANDER INFANT MORTALITY, 2003-2005



The Asian/Pacific Islander birth cohort infant death rate for California was 4.1 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 244 births. This rate was based on the 263.0 infant deaths among 64,289.7 live births, the three-year average for the years 2003 to 2005.

Among counties with “reliable” rates, the birth cohort infant death rate for Asian/Pacific Islanders ranged from 4.5 in San Diego County to 3.3 in Orange and Santa Clara Counties, a difference in rates by a factor of 1.4 to 1.

Forty-two counties (five with reliable 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.

**TABLE 24B**  
**ASIAN/PACIFIC ISLANDER INFANT MORTALITY**  
**RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE**  
**CALIFORNIA COUNTIES, 2003-2005**

RANK ORDER	COUNTY	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE	INFANT		LOWER	UPPER
		BIRTHS	DEATHS			
1	MARIN	207.7	0.0	-	-	-
2	YUBA	107.0	0.0	-	-	-
3	KINGS	91.7	0.0	-	-	-
4	NAPA	88.0	0.0	-	-	-
5	SHASTA	80.3	0.0	-	-	-
6	EL DORADO	71.7	0.0	-	-	-
7	SAN BENITO	21.0	0.0	-	-	-
8	MENDOCINO	16.0	0.0	-	-	-
9	SISKIYOU	12.7	0.0	-	-	-
10	GLENN	11.7	0.0	-	-	-
11	LAKE	11.7	0.0	-	-	-
12	DEL NORTE	11.3	0.0	-	-	-
13	NEVADA	9.3	0.0	-	-	-
14	TEHAMA	7.7	0.0	-	-	-
15	LASSEN	6.3	0.0	-	-	-
16	CALAVERAS	5.3	0.0	-	-	-
17	TUOLUMNE	5.0	0.0	-	-	-
18	AMADOR	3.7	0.0	-	-	-
19	COLUSA	3.0	0.0	-	-	-
20	INYO	3.0	0.0	-	-	-
21	MARIPOSA	2.0	0.0	-	-	-
22	MONO	2.0	0.0	-	-	-
23	PLUMAS	1.7	0.0	-	-	-
24	TRINITY	1.7	0.0	-	-	-
25	MODOC	0.7	0.0	-	-	-
26	SIERRA	0.3	0.0	-	-	-
27	ALPINE	0.0	0.0	-	-	-
28	SANTA BARBARA	238.0	0.3	1.4 *	0.0	6.2
29	SONOMA	304.3	0.7	2.2 *	0.0	7.4
30	SAN FRANCISCO	2,750.3	7.0	2.5 *	0.7	4.4
31	MONTEREY	355.3	1.0	2.8 *	0.0	8.3
32	CONTRA COSTA	1,818.7	5.7	3.1 *	0.6	5.7
33	SANTA CRUZ	106.7	0.3	3.1 *	0.0	13.7
34	SUTTER	201.7	0.7	3.3 *	0.0	11.2
35	SANTA CLARA	8,733.3	29.0	3.3	2.1	4.5
36	ORANGE	7,003.7	23.3	3.3	2.0	4.7
37	LOS ANGELES	16,041.0	60.0	3.7	2.8	4.7
	<b>CALIFORNIA</b>	<b>64,289.7</b>	<b>263.0</b>	<b>4.1</b>	<b>3.6</b>	<b>4.6</b>
38	STANISLAUS	399.0	1.7	4.2 *	0.0	10.5
39	ALAMEDA	5,659.3	24.0	4.2	2.5	5.9
40	SAN BERNARDINO	1,690.7	7.3	4.3 *	1.2	7.5
41	SAN MATEO	2,593.3	11.3	4.4 *	1.8	6.9
42	SAN DIEGO	4,635.0	21.0	4.5	2.6	6.5
	<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)</b>			<b>4.5</b>		
43	MERCED	284.0	1.3	4.7 *	0.0	12.7
44	SACRAMENTO	3,245.7	15.3	4.7 *	2.4	7.1
45	RIVERSIDE	1,372.7	6.7	4.9 *	1.2	8.5
46	BUTTE	135.7	0.7	4.9 *	0.0	16.7
47	YOLO	235.3	1.3	5.7 *	0.0	15.3
48	SOLANO	854.7	5.7	6.6 *	1.2	12.1
49	SAN JOAQUIN	1,574.7	10.7	6.8 *	2.7	10.8
50	PLACER	242.0	1.7	6.9 *	0.0	17.3
51	KERN	451.7	3.3	7.4 *	0.0	15.3
52	HUMBOLDT	42.0	0.3	7.9 *	0.0	34.9
53	FRESNO	1,420.3	11.3	8.0 *	3.3	12.6
54	TULARE	225.3	2.0	8.9 *	0.0	21.2
55	VENTURA	743.7	7.0	9.4 *	2.4	16.4
56	IMPERIAL	32.7	0.3	10.2 *	0.0	44.8
57	SAN LUIS OBISPO	79.7	1.3	16.7 *	0.0	45.1
58	MADERA	37.0	0.7	18.0 *	0.0	61.3

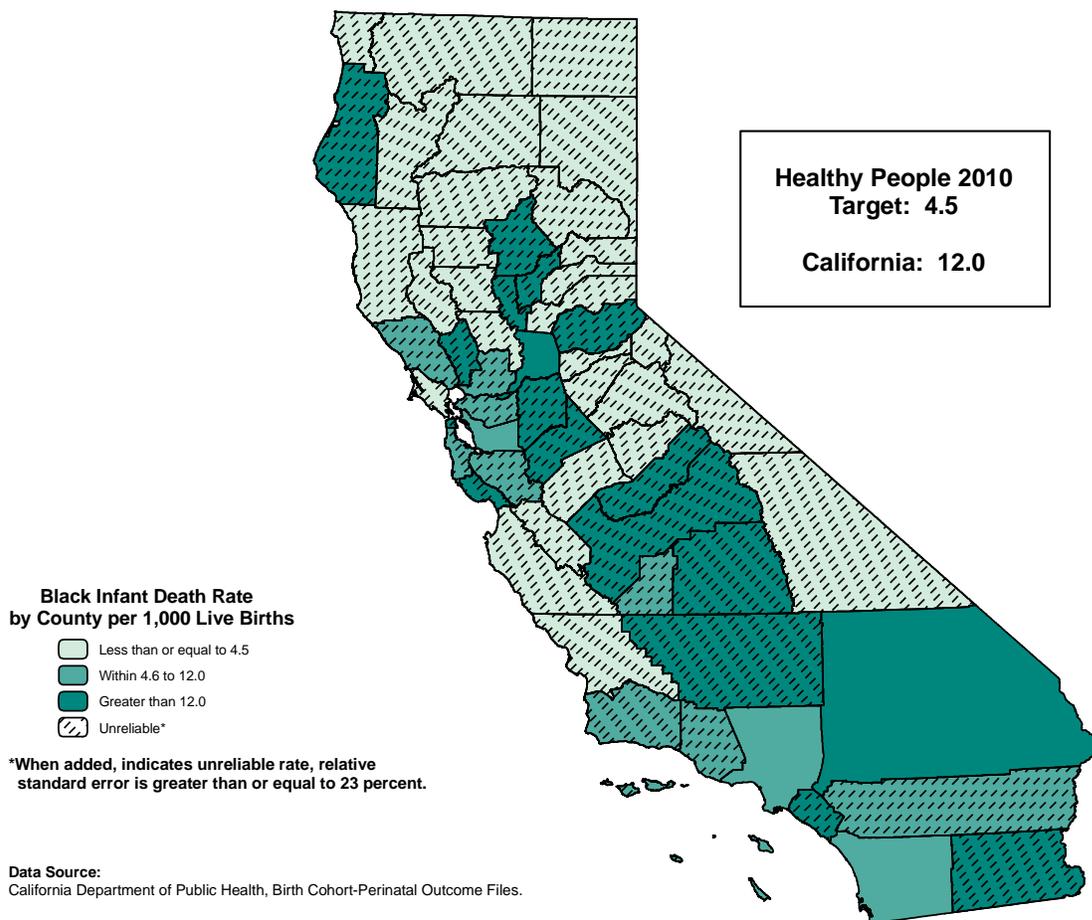
- Rates, percentages, and confidence limits are not calculated for zero events.

\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: Birth Cohort-Perinatal Outcome Files, 2003-2005.

## BLACK INFANT MORTALITY, 2003-2005



The Black birth cohort infant death rate for California was 12.0 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 84 births. This rate was based on the 345.3 deaths among the 28,889.0 live births, the three-year average for the years 2003 to 2005.

Among counties with "reliable" rates, the birth cohort infant death rate for Blacks ranged from 17.1 in San Bernardino County to 9.3 in Alameda County, a difference in rates by a factor of 1.8 to 1.

Twenty-eight counties (none with a reliable 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. 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, 2003-2005**

RANK ORDER	COUNTY	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	MARIN	55.0	0.0	-	-	-
2	YOLO	47.3	0.0	-	-	-
3	PLACER	32.7	0.0	-	-	-
4	SHASTA	25.0	0.0	-	-	-
5	SAN LUIS OBISPO	18.0	0.0	-	-	-
6	LAKE	12.0	0.0	-	-	-
7	SISKIYOU	4.7	0.0	-	-	-
8	MENDOCINO	4.0	0.0	-	-	-
9	TEHAMA	3.7	0.0	-	-	-
10	SAN BENITO	3.3	0.0	-	-	-
11	GLENN	3.0	0.0	-	-	-
12	NEVADA	2.3	0.0	-	-	-
13	CALAVERAS	2.0	0.0	-	-	-
14	COLUSA	1.7	0.0	-	-	-
15	PLUMAS	1.3	0.0	-	-	-
16	LASSEN	1.0	0.0	-	-	-
17	DEL NORTE	0.7	0.0	-	-	-
18	MONO	0.7	0.0	-	-	-
19	TUOLUMNE	0.7	0.0	-	-	-
20	AMADOR	0.3	0.0	-	-	-
21	MARIPOSA	0.3	0.0	-	-	-
22	ALPINE	0.0	0.0	-	-	-
23	INYO	0.0	0.0	-	-	-
24	MODOC	0.0	0.0	-	-	-
25	SIERRA	0.0	0.0	-	-	-
26	TRINITY	0.0	0.0	-	-	-
27	MERCED	116.3	0.3	2.9 *	0.0	12.6
28	MONTEREY	95.7	0.3	3.5 *	0.0	15.3
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)</b>				<b>4.5</b>		
29	KINGS	121.7	1.0	8.2 *	0.0	24.3
30	CONTRA COSTA	1,136.7	10.0	8.8 *	3.3	14.3
31	SOLANO	698.0	6.3	9.1 *	2.0	16.1
32	SANTA BARBARA	73.0	0.7	9.1 *	0.0	31.1
33	ALAMEDA	2,507.0	23.3	9.3	5.5	13.1
34	VENTURA	131.3	1.3	10.2 *	0.0	27.4
35	SONOMA	65.7	0.7	10.2 *	0.0	34.5
36	SAN DIEGO	2,138.7	23.3	10.9	6.5	15.3
37	RIVERSIDE	1,394.7	15.3	11.0 *	5.5	16.5
38	LOS ANGELES	11,093.3	123.0	11.1	9.1	13.0
39	SAN MATEO	232.3	2.7	11.5 *	0.0	25.3
40	SANTA CLARA	527.0	6.3	12.0 *	2.7	21.4
<b>CALIFORNIA</b>		<b>28,889.0</b>	<b>345.3</b>	<b>12.0</b>	<b>10.7</b>	<b>13.2</b>
41	YUBA	27.3	0.3	12.2 *	0.0	53.6
42	SACRAMENTO	2,034.3	25.7	12.6	7.7	17.5
43	FRESNO	783.0	11.0	14.0 *	5.7	22.4
44	ORANGE	447.0	6.3	14.2 *	3.1	25.2
45	MADERA	45.3	0.7	14.7 *	0.0	50.0
46	IMPERIAL	22.7	0.3	14.7 *	0.0	64.6
47	SAN FRANCISCO	566.3	8.3	14.7 *	4.7	24.7
48	STANISLAUS	146.3	2.3	15.9 *	0.0	36.4
49	KERN	712.7	11.7	16.4 *	7.0	25.8
50	SAN BERNARDINO	2,624.7	45.0	17.1	12.1	22.2
51	TULARE	75.7	1.3	17.6 *	0.0	47.5
52	NAPA	17.0	0.3	19.6 *	0.0	86.2
53	SUTTER	17.0	0.3	19.6 *	0.0	86.2
54	SAN JOAQUIN	753.7	15.0	19.9 *	9.8	30.0
55	BUTTE	32.0	0.7	20.8 *	0.0	70.8
56	HUMBOLDT	12.3	0.3	27.0 *	0.0	118.8
57	EL DORADO	7.3	0.3	45.5 *	0.0	199.8
58	SANTA CRUZ	13.3	0.7	50.0 *	0.0	170.0

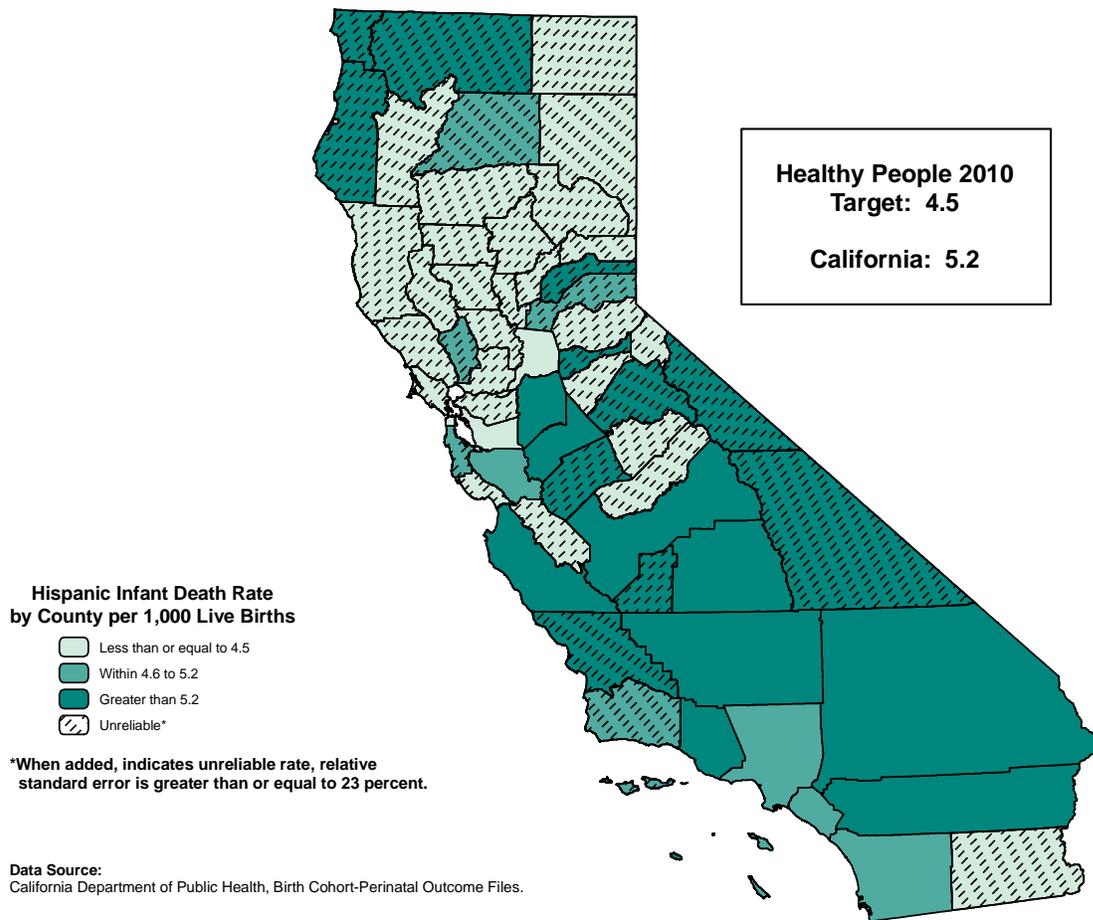
- Rates, percentages, and confidence limits are not calculated for zero events.

\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: Birth Cohort-Perinatal Outcome Files, 2003-2005.

## HISPANIC INFANT MORTALITY, 2003-2005



The Hispanic birth cohort infant death rate for California was 5.2 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 191 births. This rate was based on the 1,442.3 deaths among 275,932.0 live births, the three-year average for the years 2003 to 2005.

Among counties with "reliable" rates, the birth cohort infant death rate for Hispanics ranged from 7.1 in Fresno County to 4.5 in Alameda and Sacramento Counties, a difference in rates by a factor of 1.6 to 1.

Twenty-nine counties (two with reliable 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. 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, 2003-2005**

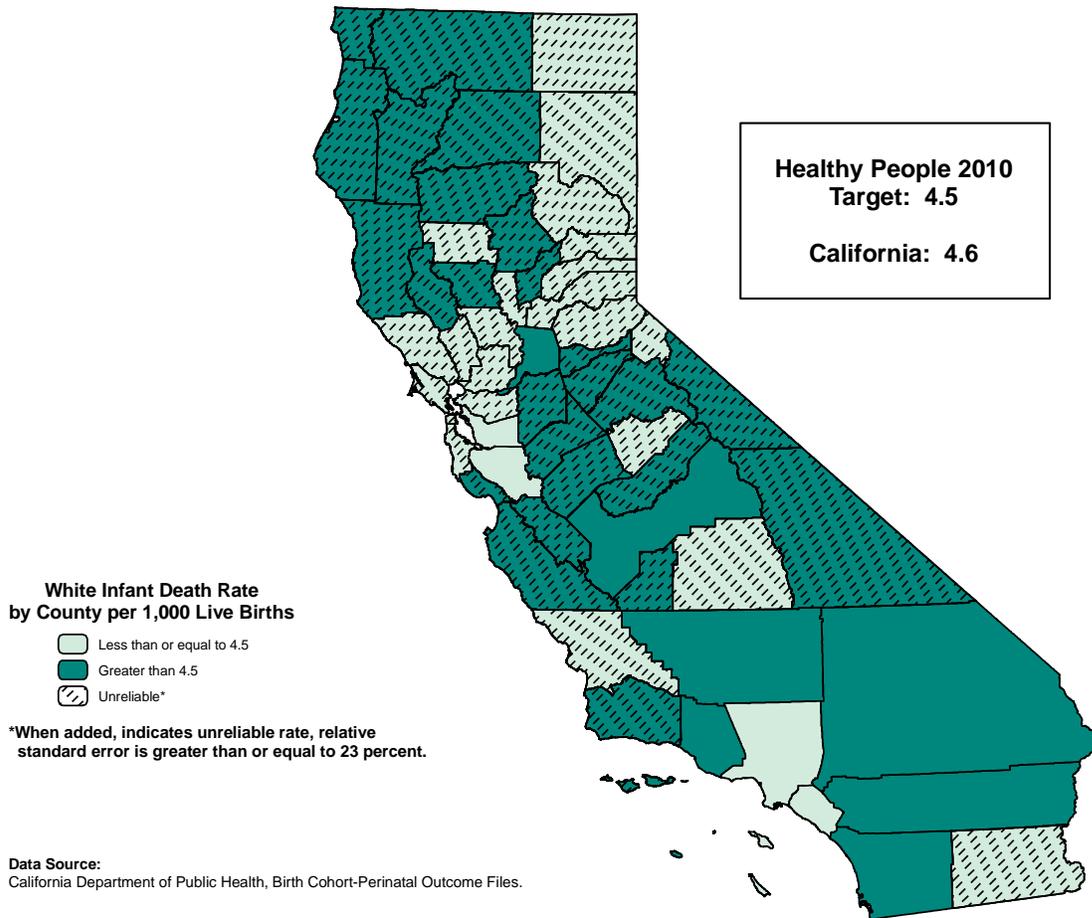
RANK ORDER	COUNTY	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	COLUSA	239.0	0.0	-	-	-
2	GLENN	192.3	0.0	-	-	-
3	CALAVERAS	44.0	0.0	-	-	-
4	LASSEN	41.3	0.0	-	-	-
5	PLUMAS	18.3	0.0	-	-	-
6	MARIPOSA	11.7	0.0	-	-	-
7	MODOC	11.7	0.0	-	-	-
8	TRINITY	8.0	0.0	-	-	-
9	SIERRA	4.0	0.0	-	-	-
10	ALPINE	1.0	0.0	-	-	-
11	SAN BENITO	607.7	1.3	2.2 *	0.0	5.9
12	MARIN	695.0	1.7	2.4 *	0.0	6.0
13	EL DORADO	379.7	1.0	2.6 *	0.0	7.8
14	TEHAMA	241.3	0.7	2.8 *	0.0	9.4
15	SUTTER	531.0	1.7	3.1 *	0.0	7.9
16	BUTTE	451.7	1.7	3.7 *	0.0	9.3
17	SOLANO	1,894.7	7.0	3.7 *	1.0	6.4
18	YUBA	358.0	1.3	3.7 *	0.0	10.0
19	YOLO	1,050.3	4.0	3.8 *	0.1	7.5
20	SONOMA	2,333.0	9.0	3.9 *	1.3	6.4
21	MADERA	1,616.7	6.3	3.9 *	0.9	7.0
22	IMPERIAL	2,619.3	10.7	4.1 *	1.6	6.5
23	MENDOCINO	407.3	1.7	4.1 *	0.0	10.3
24	SANTA CRUZ	1,870.3	7.7	4.1 *	1.2	7.0
25	CONTRA COSTA	4,323.3	18.0	4.2 *	2.2	6.1
26	LAKE	159.7	0.7	4.2 *	0.0	14.2
27	SAN FRANCISCO	1,795.0	7.7	4.3 *	1.2	7.3
28	SACRAMENTO	5,818.0	26.0	4.5	2.8	6.2
29	ALAMEDA	6,474.0	29.3	4.5	2.9	6.2
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)</b>				<b>4.5</b>		
30	SHASTA	217.7	1.0	4.6 *	0.0	13.6
31	SANTA BARBARA	3,841.0	17.7	4.6 *	2.5	6.7
32	SAN MATEO	3,329.7	15.7	4.7 *	2.4	7.0
33	PLACER	694.7	3.3	4.8 *	0.0	9.9
34	SAN DIEGO	20,020.7	98.3	4.9	3.9	5.9
35	ORANGE	22,388.3	112.3	5.0	4.1	5.9
36	SANTA CLARA	9,368.0	47.3	5.1	3.6	6.5
37	LOS ANGELES	94,930.7	482.0	5.1	4.6	5.5
38	NAPA	838.0	4.3	5.2 *	0.3	10.0
<b>CALIFORNIA</b>		<b>275,932.0</b>	<b>1,442.3</b>	<b>5.2</b>	<b>5.0</b>	<b>5.5</b>
39	TULARE	5,579.7	29.7	5.3	3.4	7.2
40	TUOLUMNE	62.3	0.3	5.3 *	0.0	23.5
41	MONTEREY	5,425.0	29.7	5.5	3.5	7.4
42	KERN	7,885.7	43.7	5.5	3.9	7.2
43	SAN JOAQUIN	5,334.0	29.7	5.6	3.6	7.6
44	SAN BERNARDINO	18,350.0	107.0	5.8	4.7	6.9
45	KINGS	1,408.7	8.3	5.9 *	1.9	9.9
46	MERCED	2,779.7	16.7	6.0 *	3.1	8.9
47	RIVERSIDE	17,274.0	106.0	6.1	5.0	7.3
48	SAN LUIS OBISPO	893.7	5.7	6.3 *	1.1	11.6
49	VENTURA	6,473.3	42.7	6.6	4.6	8.6
50	STANISLAUS	4,385.3	30.0	6.8	4.4	9.3
51	FRESNO	9,644.0	68.0	7.1	5.4	8.7
52	HUMBOLDT	184.0	1.3	7.2 *	0.0	19.5
53	SISKIYOU	84.0	0.7	7.9 *	0.0	27.0
54	MONO	77.3	0.7	8.6 *	0.0	29.3
55	AMADOR	37.0	0.3	9.0 *	0.0	39.6
56	INYO	59.7	0.7	11.2 *	0.0	38.0
57	NEVADA	116.3	1.3	11.5 *	0.0	30.9
58	DEL NORTE	52.3	0.7	12.7 *	0.0	43.3

- Rates, percentages, and confidence limits are not calculated for zero events.  
\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: Birth Cohort-Perinatal Outcome Files, 2003-2005.

## WHITE INFANT MORTALITY, 2003-2005



The White birth cohort infant death rate for California was 4.6 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 216 births. This rate was based on the 738.3 deaths among 159,511.0 live births, the three-year average for the years 2003 to 2005.

Among counties with "reliable" rates, the birth cohort infant death rate for Whites ranged from 6.5 in San Bernardino County to 3.3 in Santa Clara County, a difference in rates by a factor of 2.0 to 1.

Twenty-six counties (four with reliable 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. The statewide White infant death rate did not meet the national objective.

**TABLE 24E  
WHITE INFANT MORTALITY  
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE  
CALIFORNIA COUNTIES, 2003-2005**

RANK ORDER	COUNTY	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	PLUMAS	144.0	0.0	-	-	-
2	MODOC	68.3	0.0	-	-	-
3	SIERRA	22.3	0.0	-	-	-
4	ALPINE	6.7	0.0	-	-	-
5	SAN FRANCISCO	3,241.0	7.7	2.4 *	0.7	4.0
6	NAPA	672.0	1.7	2.5 *	0.0	6.2
7	NEVADA	669.7	1.7	2.5 *	0.0	6.3
8	YOLO	1,035.3	2.7	2.6 *	0.0	5.7
9	IMPERIAL	247.7	0.7	2.7 *	0.0	9.2
10	MARIPOSA	115.0	0.3	2.9 *	0.0	12.7
11	EL DORADO	1,345.3	4.0	3.0 *	0.1	5.9
12	CONTRA COSTA	5,106.7	16.0	3.1 *	1.6	4.7
13	SAN MATEO	3,545.7	11.7	3.3 *	1.4	5.2
14	SANTA CLARA	6,605.7	22.0	3.3	1.9	4.7
15	GLENN	198.7	0.7	3.4 *	0.0	11.4
16	ALAMEDA	5,668.3	20.0	3.5	2.0	5.1
17	SONOMA	2,907.7	10.3	3.6 *	1.4	5.7
18	ORANGE	14,071.3	54.3	3.9	2.8	4.9
19	SOLANO	2,062.7	8.3	4.0 *	1.3	6.8
20	LOS ANGELES	26,966.3	109.3	4.1	3.3	4.8
21	TULARE	1,866.7	7.7	4.1 *	1.2	7.0
22	LASSEN	234.3	1.0	4.3 *	0.0	12.6
23	MARIN	1,792.0	7.7	4.3 *	1.2	7.3
24	SUTTER	614.0	2.7	4.3 *	0.0	9.6
25	SAN LUIS OBISPO	1,581.0	7.0	4.4 *	1.1	7.7
26	PLACER	2,662.7	12.0	4.5 *	2.0	7.1
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)</b>				<b>4.5</b>		
<b>CALIFORNIA</b>		<b>159,511.0</b>	<b>738.3</b>	<b>4.6</b>	<b>4.3</b>	<b>5.0</b>
27	SAN DIEGO	15,869.0	74.0	4.7	3.6	5.7
28	MONO	70.3	0.3	4.7 *	0.0	20.8
29	RIVERSIDE	8,969.3	43.0	4.8	3.4	6.2
30	LAKE	474.3	2.3	4.9 *	0.0	11.2
31	MADERA	596.0	3.0	5.0 *	0.0	10.7
32	SACRAMENTO	8,872.7	45.0	5.1	3.6	6.6
33	VENTURA	4,132.3	21.0	5.1	2.9	7.3
34	SAN JOAQUIN	3,013.7	16.3	5.4 *	2.8	8.0
35	SANTA CRUZ	1,331.7	7.3	5.5 *	1.5	9.5
36	MONTEREY	1,441.7	8.0	5.5 *	1.7	9.4
37	SANTA BARBARA	1,795.3	10.3	5.8 *	2.2	9.3
38	HUMBOLDT	1,089.0	6.3	5.8 *	1.3	10.3
39	FRESNO	3,634.7	22.0	6.1	3.5	8.6
40	CALAVERAS	267.0	1.7	6.2 *	0.0	15.7
41	STANISLAUS	2,975.7	18.7	6.3 *	3.4	9.1
42	KERN	4,186.7	27.0	6.4	4.0	8.9
43	SAN BERNARDINO	8,685.3	56.3	6.5	4.8	8.2
44	MERCED	1,111.7	7.3	6.6 *	1.8	11.4
45	SHASTA	1,649.7	11.0	6.7 *	2.7	10.6
46	TEHAMA	494.7	3.3	6.7 *	0.0	14.0
47	MENDOCINO	581.3	4.0	6.9 *	0.1	13.6
48	YUBA	677.3	4.7	6.9 *	0.6	13.1
49	SAN BENITO	237.3	1.7	7.0 *	0.0	17.7
50	AMADOR	227.3	1.7	7.3 *	0.0	18.5
51	BUTTE	1,650.3	13.0	7.9 *	3.6	12.2
52	TUOLUMNE	376.3	3.0	8.0 *	0.0	17.0
53	KINGS	819.3	7.0	8.5 *	2.2	14.9
54	COLUSA	99.0	1.0	10.1 *	0.0	29.9
55	DEL NORTE	195.3	2.0	10.2 *	0.0	24.4
56	SISKIYOU	334.7	3.7	11.0 *	0.0	22.2
57	TRINITY	93.7	1.3	14.2 *	0.0	38.4
58	INYO	107.3	1.7	15.5 *	0.0	39.1

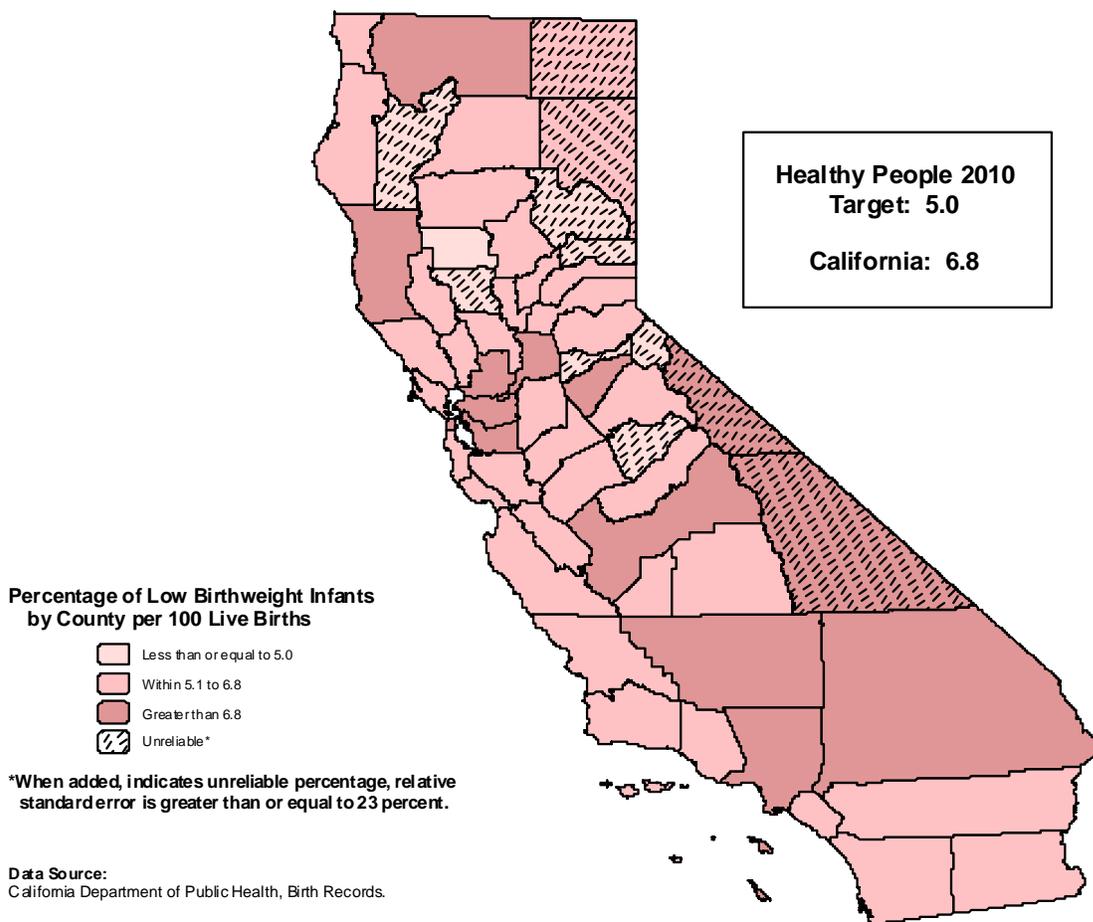
- Rates, percentages, and confidence limits are not calculated for zero events.

\* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: Birth Cohort-Perinatal Outcome Files, 2003-2005.

## LOW BIRTHWEIGHT INFANTS, 2004-2006



The percentage of low birthweight infants for California was 6.8 per 100 live births, a percent equivalent to one in 15 live births. This percentage was based on a three-year average number of low birthweight infants of 37,550.3 and a three-year average total number of live births of 551,826.7 from 2004 to 2006.

Among counties with "reliable" percentages, the percent of low birthweight infants ranged from 7.3 in Los Angeles and Solano Counties to 4.4 in Glenn County, a difference in percentages by a factor of 1.7 to 1.

Eight counties (one 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. 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, 2004-2006**

RANK ORDER	COUNTY	2004-2006 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		LIVE BIRTHS	LOW BIRTHWEIGHT		LOWER	UPPER
			NUMBER	PERCENT		
1	ALPINE	12.0	0.0	-	-	-
2	SIERRA	22.3	0.7	3.0 *	0.0	10.2
3	AMADOR	274.7	11.3	4.1 *	1.7	6.5
4	COLUSA	371.7	16.0	4.3 *	2.2	6.4
5	GLENN	428.0	19.0	4.4	2.4	6.4
6	TRINITY	117.3	5.3	4.5 *	0.7	8.4
7	MARIPOSA	143.7	6.7	4.6 *	1.1	8.2
8	PLUMAS	173.7	8.3	4.8 *	1.5	8.1
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-10a)</b>				<b>5.0</b>		
9	MODOC	82.0	4.3	5.3 *	0.3	10.3
10	TEHAMA	796.7	42.3	5.3	3.7	6.9
11	YOLO	2,500.7	137.3	5.5	4.6	6.4
12	SANTA CRUZ	3,461.3	191.3	5.5	4.7	6.3
13	LASSEN	283.0	15.7	5.5 *	2.8	8.3
14	PLACER	3,837.3	213.0	5.6	4.8	6.3
15	TUOLUMNE	472.7	26.7	5.6	3.5	7.8
16	SAN BENITO	887.7	50.3	5.7	4.1	7.2
17	SONOMA	5,824.3	334.0	5.7	5.1	6.3
18	SUTTER	1,467.7	85.3	5.8	4.6	7.0
19	BUTTE	2,479.0	145.7	5.9	4.9	6.8
20	MADERA	2,439.0	145.3	6.0	5.0	6.9
21	DEL NORTE	325.7	19.7	6.0	3.4	8.7
22	MERCED	4,502.7	275.0	6.1	5.4	6.8
23	IMPERIAL	3,015.3	184.7	6.1	5.2	7.0
24	EL DORADO	1,954.3	120.0	6.1	5.0	7.2
25	NAPA	1,671.7	102.7	6.1	5.0	7.3
26	NEVADA	813.7	50.0	6.1	4.4	7.8
27	MARIN	2,770.3	171.0	6.2	5.2	7.1
28	TULARE	8,136.0	505.0	6.2	5.7	6.7
29	MONTEREY	7,457.0	466.0	6.2	5.7	6.8
30	ORANGE	44,451.7	2,809.0	6.3	6.1	6.6
31	LAKE	703.0	44.7	6.4	4.5	8.2
32	YUBA	1,261.0	80.3	6.4	5.0	7.8
33	HUMBOLDT	1,583.3	101.0	6.4	5.1	7.6
34	SHASTA	2,120.0	135.7	6.4	5.3	7.5
35	SAN LUIS OBISPO	2,695.0	173.3	6.4	5.5	7.4
36	STANISLAUS	8,411.0	543.0	6.5	5.9	7.0
37	RIVERSIDE	31,569.7	2,058.7	6.5	6.2	6.8
38	SANTA BARBARA	6,188.7	406.0	6.6	5.9	7.2
39	KINGS	2,595.0	170.3	6.6	5.6	7.5
40	SAN DIEGO	46,177.0	3,041.0	6.6	6.4	6.8
41	SANTA CLARA	26,676.0	1,773.3	6.6	6.3	7.0
42	SAN MATEO	9,944.7	664.3	6.7	6.2	7.2
43	VENTURA	12,189.0	822.3	6.7	6.3	7.2
44	SAN JOAQUIN	11,427.7	781.3	6.8	6.4	7.3
<b>CALIFORNIA</b>		<b>551,826.7</b>	<b>37,550.3</b>	<b>6.8</b>	<b>6.7</b>	<b>6.9</b>
45	CONTRA COSTA	13,329.0	913.3	6.9	6.4	7.3
46	MENDOCINO	1,117.0	77.0	6.9	5.4	8.4
47	SAN FRANCISCO	8,530.0	594.7	7.0	6.4	7.5
48	CALAVERAS	362.0	25.3	7.0	4.3	9.7
49	SACRAMENTO	21,323.7	1,504.7	7.1	6.7	7.4
50	KERN	14,191.3	1,004.3	7.1	6.6	7.5
51	SAN BERNARDINO	33,215.3	2,353.3	7.1	6.8	7.4
52	FRESNO	16,235.7	1,160.0	7.1	6.7	7.6
53	ALAMEDA	20,959.3	1,505.0	7.2	6.8	7.5
54	SISKIYOU	476.7	34.3	7.2	4.8	9.6
55	LOS ANGELES	151,236.0	10,965.7	7.3	7.1	7.4
56	SOLANO	5,742.0	422.0	7.3	6.6	8.1
57	INYO	223.0	18.7	8.4 *	4.6	12.2
58	MONO	171.7	15.0	8.7 *	4.3	13.2

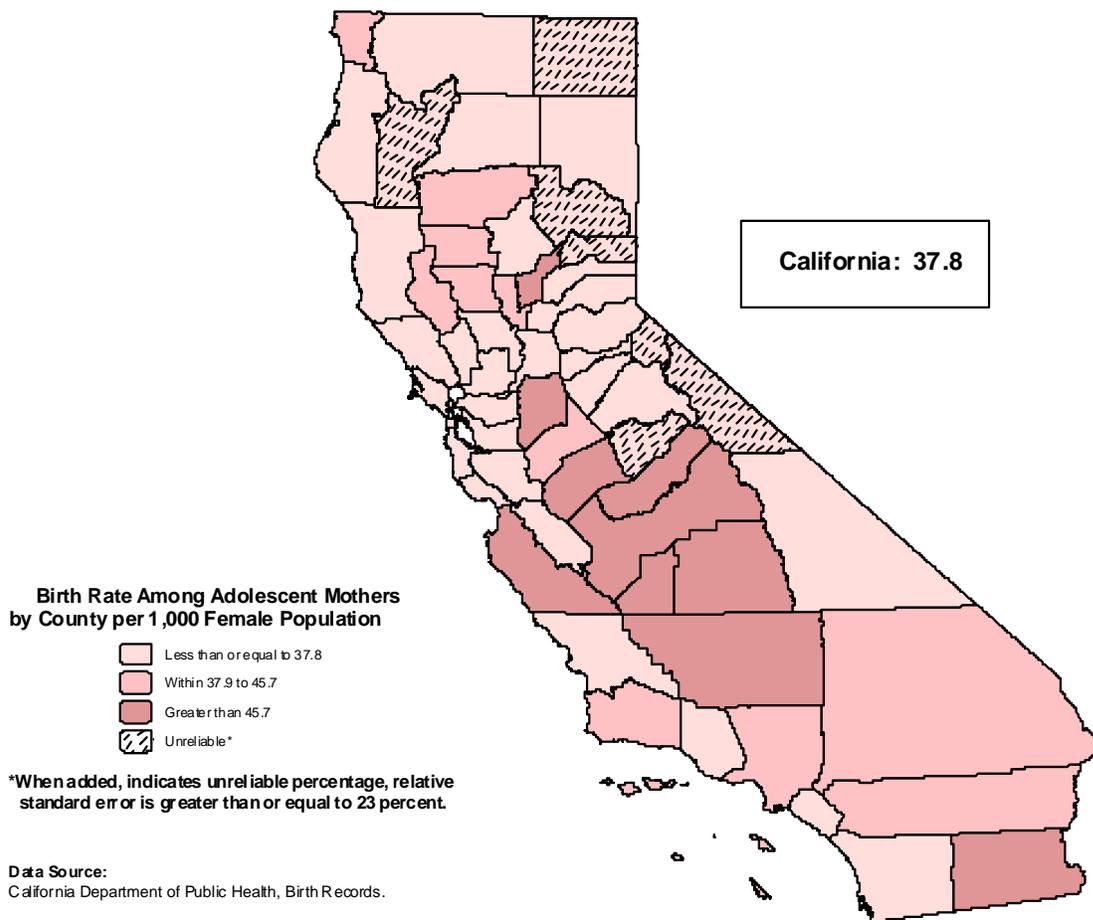
- Percentages and confidence limits are not calculated for zero events.

\* Percentage unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Birth Statistical Master Files, 2004-2006.

## BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD, 2004-2006



The age-specific birth rate to adolescents, aged 15 to 19, in California was 37.8 per 1,000 female population, a rate equivalent to approximately one birth for every 26 adolescent females. This rate was based on the 2004 to 2006 average of 50,841.3 births and a female population for the same age group of 1,345,176 as of July 1, 2005.

Among counties with “reliable” rates, the age-specific rate ranged from 67.0 in Kings County to 11.8 in Marin County, a difference in rates by a factor of 5.7 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, 2004-2006**

RANK ORDER	COUNTY	2005 FEMALE POPULATION 15-19 YRS OLD	2004-2006 LIVE BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTH RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:</b>				<b>NONE</b>		
1	SIERRA	114	0.7	5.8 *	0.0	19.9
2	MARIN	6,994	82.7	11.8	9.3	14.4
3	ALPINE	48	0.7	13.9 *	0.0	47.2
4	PLACER	11,963	192.3	16.1	13.8	18.3
5	TRINITY	509	8.3	16.4 *	5.3	27.5
6	NEVADA	3,654	61.3	16.8	12.6	21.0
7	EL DORADO	7,133	121.3	17.0	14.0	20.0
8	PLUMAS	778	13.7	17.6 *	8.3	26.9
9	SAN LUIS OBISPO	10,072	201.0	20.0	17.2	22.7
10	CALAVERAS	1,680	35.0	20.8	13.9	27.7
11	SAN FRANCISCO	13,889	299.0	21.5	19.1	24.0
12	TUOLUMNE	1,871	41.0	21.9	15.2	28.6
13	AMADOR	1,192	26.3	22.1	13.7	30.5
14	SAN MATEO	20,694	458.0	22.1	20.1	24.2
15	YOLO	9,395	208.7	22.2	19.2	25.2
16	MODOC	383	8.7	22.6 *	7.6	37.7
17	MARIPOSA	631	14.7	23.2 *	11.3	35.1
18	CONTRA COSTA	36,986	865.0	23.4	21.8	24.9
19	SONOMA	16,782	437.7	26.1	23.6	28.5
20	SANTA CLARA	53,156	1,416.3	26.6	25.3	28.0
21	ALAMEDA	47,866	1,305.0	27.3	25.8	28.7
22	NAPA	4,489	130.3	29.0	24.0	34.0
23	SOLANO	16,291	479.7	29.4	26.8	32.1
24	BUTTE	8,898	262.3	29.5	25.9	33.0
25	LASSEN	1,147	34.0	29.6	19.7	39.6
26	ORANGE	105,025	3,125.0	29.8	28.7	30.8
27	HUMBOLDT	4,977	149.7	30.1	25.3	34.9
28	MONO	421	13.3	31.7 *	14.7	48.7
29	SANTA CRUZ	9,454	301.3	31.9	28.3	35.5
30	VENTURA	30,471	1,044.3	34.3	32.2	36.4
31	SHASTA	7,070	242.3	34.3	30.0	38.6
32	SAN BENITO	2,392	82.7	34.6	27.1	42.0
33	MENDOCINO	3,363	117.3	34.9	28.6	41.2
34	SAN DIEGO	106,039	3,720.7	35.1	34.0	36.2
35	SISKIYOU	1,760	62.7	35.6	26.8	44.4
36	INYO	687	25.0	36.4	22.1	50.7
37	SACRAMENTO	51,943	1,904.3	36.7	35.0	38.3
	<b>CALIFORNIA</b>	<b>1,345,176</b>	<b>50,841.3</b>	<b>37.8</b>	<b>37.5</b>	<b>38.1</b>
38	LAKE	2,375	93.7	39.4	31.5	47.4
39	LOS ANGELES	360,813	14,311.0	39.7	39.0	40.3
40	DEL NORTE	1,093	44.7	40.9	28.9	52.9
41	RIVERSIDE	83,368	3,433.7	41.2	39.8	42.6
42	SANTA BARBARA	15,484	649.0	41.9	38.7	45.1
43	GLENN	1,230	52.3	42.5	31.0	54.1
44	SUTTER	3,463	149.0	43.0	36.1	49.9
45	COLUSA	920	39.7	43.1	29.7	56.5
46	STANISLAUS	21,815	979.0	44.9	42.1	47.7
47	SAN BERNARDINO	87,367	3,983.3	45.6	44.2	47.0
48	TEHAMA	2,458	112.3	45.7	37.2	54.2
49	SAN JOAQUIN	27,473	1,359.0	49.5	46.8	52.1
50	MERCED	10,826	598.0	55.2	50.8	59.7
51	YUBA	2,989	166.3	55.6	47.2	64.1
52	FRESNO	38,435	2,163.0	56.3	53.9	58.6
53	IMPERIAL	7,792	446.0	57.2	51.9	62.6
54	MONTEREY	15,079	865.0	57.4	53.5	61.2
55	KERN	32,677	2,031.0	62.2	59.5	64.9
56	MADERA	5,499	342.3	62.3	55.7	68.8
57	TULARE	18,442	1,171.7	63.5	59.9	67.2
58	KINGS	5,361	359.0	67.0	60.0	73.9

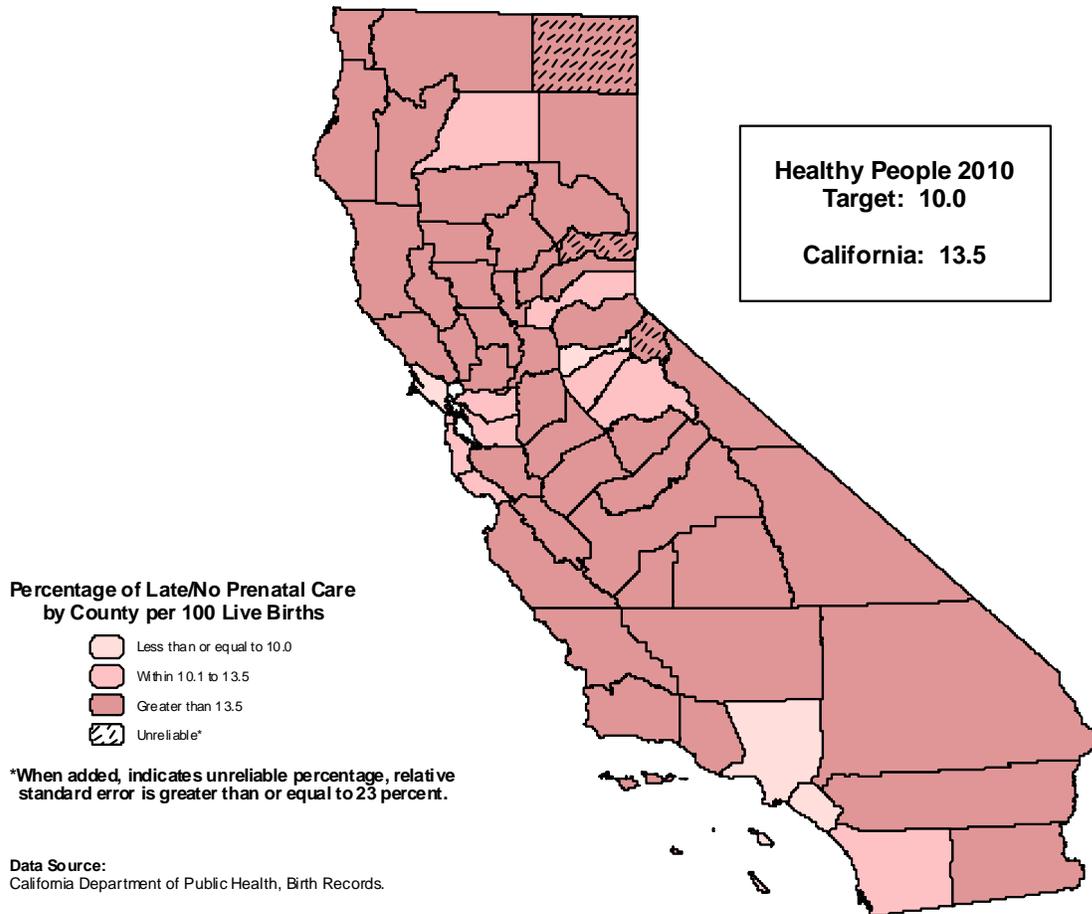
\* Percentage unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Birth Statistical Master Files, 2004-2006.

California Department of Finance: 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## PRENATAL CARE NOT BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY, 2004-2006



The percentage of births to mothers with late or no prenatal care for California was 13.5 per 100 live births. This percentage was based on a three-year average number of births to mothers with late or no prenatal care of 73,667.3 and a three-year average total number of live births of 545,797.7 from 2004 to 2006.

Among counties with “reliable” percentages, the percent of births to mothers with late or no prenatal care ranged from 36.6 in Yuba County to 4.3 in Marin County, a difference in percentages by a factor of 8.5 to 1.

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

**TABLE 27A  
 PRENATAL CARE NOT BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY  
 RANKED BY PERCENTAGE OF THREE-YEAR AVERAGE LATE / NO PRENATAL CARE  
 CALIFORNIA COUNTIES, 2004-2006**

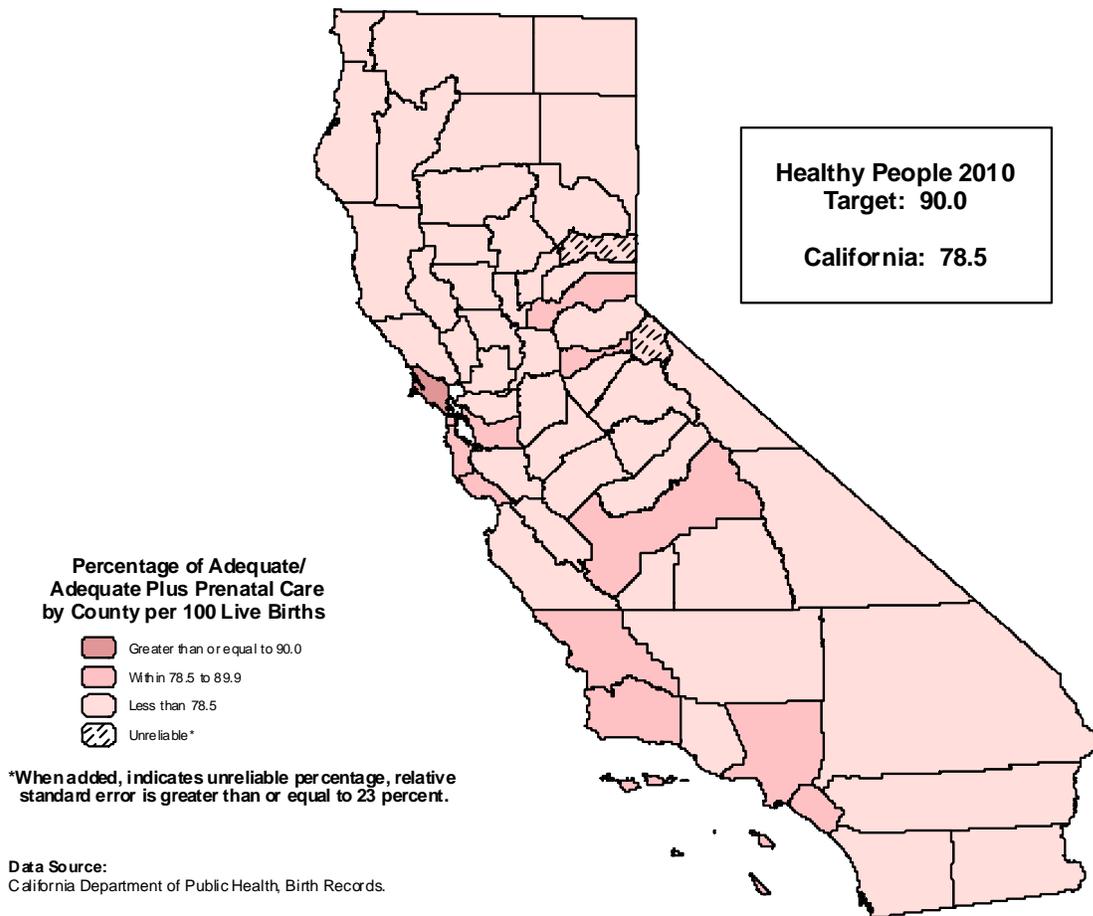
RANK ORDER	COUNTY	2004-2006 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	LATE/NO PRENATAL CARE		LOWER	UPPER
			NUMBER	PERCENT		
1	MARIN	2,767.7	119.3	4.3	3.5	5.1
2	ORANGE	44,318.3	3,723.0	8.4	8.1	8.7
3	LOS ANGELES	150,299.0	13,885.3	9.2	9.1	9.4
4	AMADOR	272.3	26.3	9.7	6.0	13.4
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-6a)</b>				<b>10.0</b>		
5	ALAMEDA	20,844.7	2,138.3	10.3	9.8	10.7
6	SANTA CRUZ	3,446.3	358.3	10.4	9.3	11.5
7	SAN MATEO	9,925.0	1,051.7	10.6	10.0	11.2
8	TUOLUMNE	471.0	51.0	10.8	7.9	13.8
9	SHASTA	2,112.7	237.7	11.2	9.8	12.7
10	PLACER	3,820.7	444.7	11.6	10.6	12.7
11	SAN FRANCISCO	8,487.0	999.7	11.8	11.0	12.5
12	CONTRA COSTA	13,225.3	1,558.0	11.8	11.2	12.4
13	CALAVERAS	360.3	46.0	12.8	9.1	16.5
14	SAN DIEGO	45,365.0	5,921.3	13.1	12.7	13.4
<b>CALIFORNIA</b>		<b>545,797.7</b>	<b>73,667.3</b>	<b>13.5</b>	<b>13.4</b>	<b>13.6</b>
15	FRESNO	16,156.0	2,210.0	13.7	13.1	14.2
16	SANTA CLARA	26,218.7	3,587.0	13.7	13.2	14.1
17	EL DORADO	1,945.7	268.3	13.8	12.1	15.4
18	RIVERSIDE	31,173.7	4,380.0	14.1	13.6	14.5
19	STANISLAUS	8,236.7	1,185.0	14.4	13.6	15.2
20	VENTURA	12,182.0	1,803.3	14.8	14.1	15.5
21	SAN LUIS OBISPO	2,674.0	400.0	15.0	13.5	16.4
22	NAPA	1,663.7	251.0	15.1	13.2	17.0
23	SONOMA	5,815.3	886.3	15.2	14.2	16.2
24	SAN BERNARDINO	32,927.3	5,320.0	16.2	15.7	16.6
25	NEVADA	811.3	135.3	16.7	13.9	19.5
26	HUMBOLDT	1,553.7	265.0	17.1	15.0	19.1
27	MADERA	2,427.3	422.0	17.4	15.7	19.0
28	TRINITY	116.7	20.3	17.4	9.9	25.0
29	PLUMAS	172.7	31.0	18.0	11.6	24.3
30	LASSEN	282.0	51.0	18.1	13.1	23.0
31	SANTA BARBARA	6,148.3	1,128.0	18.3	17.3	19.4
32	SAN BENITO	882.7	162.0	18.4	15.5	21.2
33	SACRAMENTO	21,172.7	3,955.0	18.7	18.1	19.3
34	TULARE	8,099.0	1,537.7	19.0	18.0	19.9
35	TEHAMA	787.3	152.0	19.3	16.2	22.4
36	KERN	13,084.0	2,535.0	19.4	18.6	20.1
37	MONTEREY	6,856.7	1,343.7	19.6	18.5	20.6
38	MODOC	78.7	15.7	19.9 *	10.1	29.8
39	MARIPOSA	137.3	28.0	20.4	12.8	27.9
40	SISKIYOU	474.3	98.0	20.7	16.6	24.8
41	SIERRA	22.3	4.7	20.9 *	1.9	39.9
42	MONO	171.0	38.0	22.2	15.2	29.3
43	ALPINE	11.7	2.7	22.9 *	0.0	50.3
44	COLUSA	371.3	87.3	23.5	18.6	28.5
45	YOLO	2,494.7	588.3	23.6	21.7	25.5
46	LAKE	699.0	169.7	24.3	20.6	27.9
47	BUTTE	2,468.0	600.3	24.3	22.4	26.3
48	IMPERIAL	2,986.7	740.0	24.8	23.0	26.6
49	DEL NORTE	324.0	81.7	25.2	19.7	30.7
50	KINGS	2,591.0	691.7	26.7	24.7	28.7
51	SOLANO	5,714.0	1,543.0	27.0	25.7	28.4
52	GLENN	423.7	125.3	29.6	24.4	34.8
53	SAN JOAQUIN	11,316.0	3,372.3	29.8	28.8	30.8
54	INYO	223.0	71.7	32.1	24.7	39.6
55	MENDOCINO	1,111.3	364.3	32.8	29.4	36.1
56	MERCED	4,355.7	1,469.3	33.7	32.0	35.5
57	SUTTER	1,464.7	525.3	35.9	32.8	38.9
58	YUBA	1,256.7	460.3	36.6	33.3	40.0

\* Percentage unreliable, relative standard error is greater than or equal to 23 percent.

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: Birth Statistical Master Files, 2004-2006.

**“ADEQUATE/ADEQUATE PLUS” PRENATAL CARE  
(ADEQUACY OF PRENATAL CARE UTILIZATION INDEX), 2004-2006**



The percentage of births to mothers with “adequate/adequate plus” prenatal care for California was 78.5 per 100 live births. This percentage was based on a three-year average number of births to mothers with “adequate/adequate plus” prenatal care of 424,759.0 and a three-year average total number of live births of 541,074.3 from 2004 to 2006.

Among counties with “reliable” percentages, the percent of births to mothers with “adequate/adequate plus” prenatal care ranged from 91.6 in Marin County to 52.3 in Modoc County, a difference in percentages by a factor of 1.8 to 1.

One county with a reliable percentage met the Healthy People 2010 National Objective 16-6b of increasing the proportion of pregnant women receiving early and adequate prenatal care to 90.0 percent of total births according to the Adequacy of Prenatal Care Utilization Index. The statewide percentage of mothers who received “adequate/adequate plus” prenatal care did not meet the national objective.

**TABLE 27B  
 "ADEQUATE/ADEQUATE PLUS" PRENATAL CARE (ADEQUACY OF PRENATAL CARE UTILIZATION INDEX)  
 RANKED BY PERCENTAGE OF THREE-YEAR AVERAGE "ADEQUATE/ADEQUATE PLUS" PRENATAL CARE  
 CALIFORNIA COUNTIES, 2004-2006**

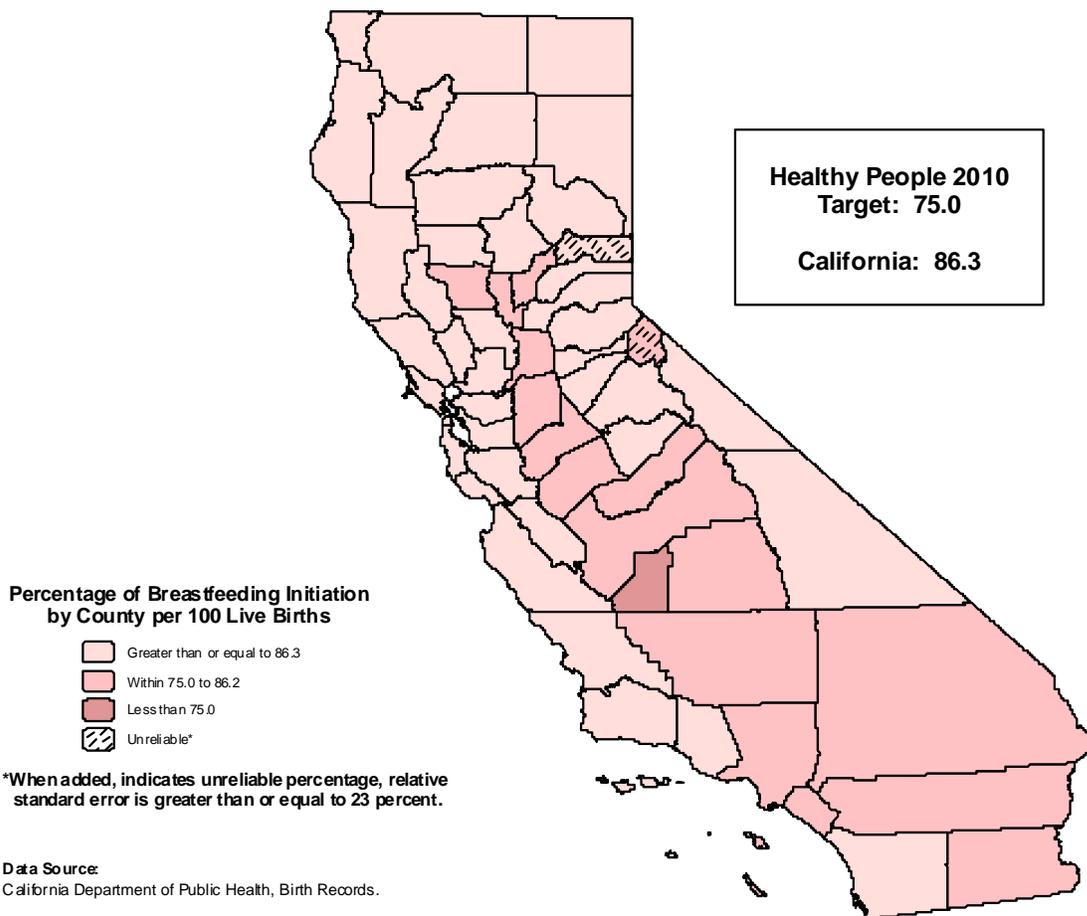
RANK ORDER	COUNTY	2004-2006 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	ADEQUATE/ADEQUATE PLUS CARE		LOWER	UPPER
			NUMBER	PERCENT		
1	MARIN	2,767.7	2,534.3	91.6	88.0	95.1
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-6b)</b>				<b>90.0</b>		
2	SAN MATEO	9,916.0	8,442.3	85.1	83.3	87.0
3	ORANGE	44,261.7	37,667.0	85.1	84.2	86.0
4	FRESNO	16,023.0	13,622.0	85.0	83.6	86.4
5	SANTA CRUZ	3,442.7	2,881.0	83.7	80.6	86.7
6	LOS ANGELES	148,543.7	124,004.3	83.5	83.0	83.9
7	AMADOR	272.0	227.0	83.5	72.6	94.3
8	SAN LUIS OBISPO	2,661.7	2,190.7	82.3	78.9	85.8
9	SAN FRANCISCO	8,465.7	6,905.3	81.6	79.6	83.5
10	SANTA BARBARA	6,129.7	4,863.3	79.3	77.1	81.6
11	PLACER	3,819.7	3,007.3	78.7	75.9	81.5
12	ALAMEDA	20,762.3	16,313.7	78.6	77.4	79.8
<b>CALIFORNIA</b>		<b>541,074.3</b>	<b>424,759.0</b>	<b>78.5</b>	<b>78.3</b>	<b>78.7</b>
13	GLENN	418.0	327.7	78.4	69.9	86.9
14	TUOLUMNE	470.3	368.7	78.4	70.4	86.4
15	VENTURA	12,174.0	9,482.3	77.9	76.3	79.5
16	SANTA CLARA	26,200.3	20,309.7	77.5	76.5	78.6
17	COLUSA	371.0	285.0	76.8	67.9	85.7
18	CONTRA COSTA	13,138.0	10,041.3	76.4	74.9	77.9
19	RIVERSIDE	30,958.3	23,611.7	76.3	75.3	77.2
20	SAN BERNARDINO	32,616.0	24,834.0	76.1	75.2	77.1
21	NAPA	1,657.7	1,258.3	75.9	71.7	80.1
22	CALAVERAS	359.3	272.0	75.7	66.7	84.7
23	SUTTER	1,463.7	1,090.7	74.5	70.1	78.9
24	DEL NORTE	323.0	240.3	74.4	65.0	83.8
25	MONTEREY	6,816.7	5,071.3	74.4	72.3	76.4
26	SACRAMENTO	21,138.7	15,661.0	74.1	72.9	75.2
27	TULARE	8,064.3	5,974.0	74.1	72.2	76.0
28	SAN DIEGO	45,093.3	33,376.7	74.0	73.2	74.8
29	BUTTE	2,444.0	1,801.7	73.7	70.3	77.1
30	YOLO	2,492.0	1,835.7	73.7	70.3	77.0
31	LASSEN	280.0	205.3	73.3	63.3	83.4
32	KERN	12,123.7	8,858.3	73.1	71.5	74.6
33	MONO	170.7	124.3	72.9	60.0	85.7
34	SHASTA	2,108.7	1,503.7	71.3	67.7	74.9
35	YUBA	1,254.7	892.3	71.1	66.5	75.8
36	MADERA	2,409.0	1,712.7	71.1	67.7	74.5
37	MENDOCINO	1,109.7	781.3	70.4	65.5	75.3
38	SOLANO	5,684.3	4,001.0	70.4	68.2	72.6
39	NEVADA	809.0	569.3	70.4	64.6	76.2
40	KINGS	2,585.3	1,819.3	70.4	67.1	73.6
41	MARIPOSA	131.0	92.0	70.2	55.9	84.6
42	STANISLAUS	8,010.0	5,624.7	70.2	68.4	72.1
43	SONOMA	5,808.0	4,061.3	69.9	67.8	72.1
44	HUMBOLDT	1,543.0	1,074.7	69.6	65.5	73.8
45	TEHAMA	784.7	544.0	69.3	63.5	75.2
46	SISKIYOU	471.7	324.0	68.7	61.2	76.2
47	EL DORADO	1,937.7	1,294.7	66.8	63.2	70.5
48	SAN BENITO	881.7	579.3	65.7	60.4	71.1
49	LAKE	696.7	457.7	65.7	59.7	71.7
50	SAN JOAQUIN	11,259.7	7,235.3	64.3	62.8	65.7
51	IMPERIAL	2,897.7	1,838.7	63.5	60.6	66.4
52	INYO	222.7	139.7	62.7	52.3	73.1
53	TRINITY	115.7	70.7	61.1	46.9	75.3
54	PLUMAS	172.3	102.0	59.2	47.7	70.7
55	SIERRA	22.0	13.0	59.1 *	27.0	91.2
56	MERCED	4,231.0	2,292.3	54.2	52.0	56.4
57	ALPINE	11.3	6.0	52.9 *	10.6	95.3
58	MODOC	78.3	41.0	52.3	36.3	68.4

\* Percentage unreliable, relative standard error is greater than or equal to 23 percent.

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: Birth Statistical Master Files, 2004-2006.

## BREASTFEEDING INITIATION DURING EARLY POSTPARTUM, 2004-2006



The percentage of breastfed infants for California was 86.3 per 100 births where the feeding method was known. This percentage was based on the 433,316.7 breastfed infants among 502,155.7 births with a known feeding method, the three-year average from 2004 to 2006.

Among counties with “reliable” percentages, the percent of breastfed infants ranged from 97.8 in Marin County to 73.0 in Kings County, a difference in percentages by a factor of 1.3 to 1.

Fifty-seven counties (fifty-five with reliable percentages) and California as a whole met the Healthy People 2010 National Objective 16-19a of increasing the proportion of mothers’ breastfeeding in the early postpartum period to 75.0 percent of total births.

**TABLE 28  
BREASTFEEDING INITIATION DURING EARLY POSTPARTUM  
RANKED BY THREE-YEAR AVERAGE BREASTFEEDING INITIATION PERCENTAGE  
CALIFORNIA COUNTIES, 2004-2006**

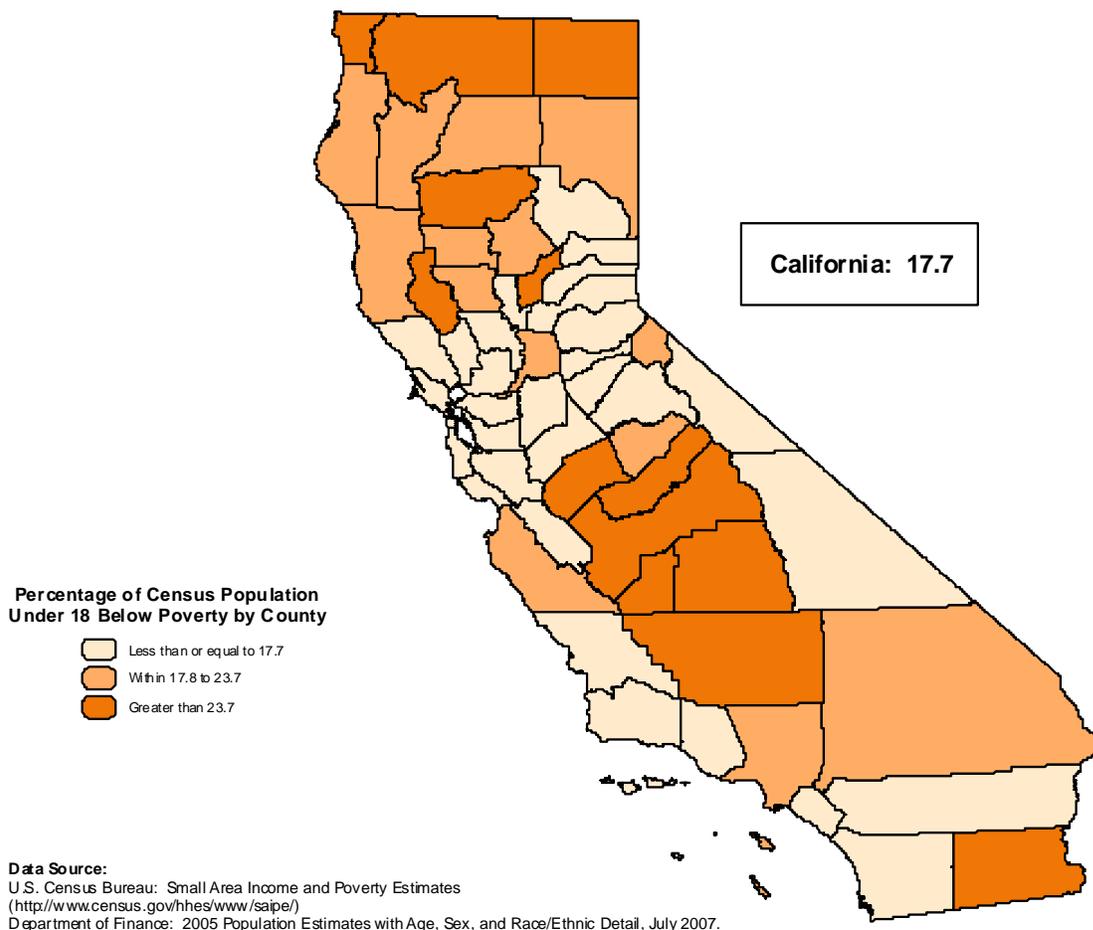
RANK ORDER	COUNTY	2004-2006 BIRTHS (AVERAGE) WITH KNOWN FEEDING METHOD			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	BREASTFED		LOWER	UPPER
			NUMBER	PERCENT		
1	SIERRA	15.7	15.3	97.9 *	48.9	100.0
2	MARIN	2,518.7	2,462.0	97.8	93.9	100.0
3	SANTA CRUZ	3,393.7	3,266.7	96.3	93.0	99.6
4	SAN MATEO	9,476.0	9,033.7	95.3	93.4	97.3
5	NEVADA	704.3	671.0	95.3	88.1	100.0
6	SONOMA	5,265.3	4,999.3	94.9	92.3	97.6
7	SAN LUIS OBISPO	2,512.3	2,365.7	94.2	90.4	98.0
8	MONTEREY	6,454.3	6,075.3	94.1	91.8	96.5
9	MONO	149.7	140.3	93.8	78.3	100.0
10	SANTA CLARA	23,650.0	22,120.7	93.5	92.3	94.8
11	SAN FRANCISCO	7,855.3	7,343.3	93.5	91.3	95.6
12	NAPA	1,488.0	1,391.0	93.5	88.6	98.4
13	ALAMEDA	19,074.3	17,820.0	93.4	92.1	94.8
14	PLUMAS	130.3	121.7	93.4	76.8	100.0
15	SANTA BARBARA	5,641.7	5,255.7	93.2	90.6	95.7
16	EL DORADO	1,725.3	1,605.0	93.0	88.5	97.6
17	INYO	213.7	198.7	93.0	80.1	100.0
18	TRINITY	101.7	94.3	92.8	74.1	100.0
19	CONTRA COSTA	12,140.0	11,243.0	92.6	90.9	94.3
20	MENDOCINO	1,037.3	957.7	92.3	86.5	98.2
21	PLACER	2,994.0	2,762.7	92.3	88.8	95.7
22	SHASTA	1,940.3	1,788.7	92.2	87.9	96.5
23	MODOC	59.3	54.3	91.6	67.2	100.0
24	HUMBOLDT	1,443.3	1,320.0	91.5	86.5	96.4
25	MARIPOSA	127.0	116.0	91.3	74.7	100.0
26	YOLO	2,367.7	2,154.3	91.0	87.1	94.8
27	TUOLUMNE	461.3	419.3	90.9	82.2	99.6
28	DEL NORTE	288.3	261.7	90.8	79.8	100.0
29	SISKIYOU	325.3	294.7	90.6	80.2	100.0
30	SAN BENITO	816.3	739.0	90.5	84.0	97.1
31	SAN DIEGO	38,754.0	34,948.7	90.2	89.2	91.1
32	VENTURA	11,428.3	10,266.3	89.8	88.1	91.6
33	TEHAMA	702.3	630.7	89.8	82.8	96.8
34	LASSEN	224.0	199.7	89.1	76.8	100.0
35	AMADOR	257.3	228.0	88.6	77.1	100.0
36	CALAVERAS	330.7	292.7	88.5	78.4	98.6
37	GLENN	413.7	364.7	88.2	79.1	97.2
38	LAKE	626.3	549.3	87.7	80.4	95.0
39	SOLANO	5,148.3	4,477.7	87.0	84.4	89.5
40	BUTTE	2,267.0	1,964.3	86.6	82.8	90.5
	<b>CALIFORNIA</b>	<b>502,155.7</b>	<b>433,316.7</b>	<b>86.3</b>	<b>86.0</b>	<b>86.5</b>
41	MADERA	2,242.7	1,921.3	85.7	81.8	89.5
42	COLUSA	340.3	289.0	84.9	75.1	94.7
43	ORANGE	42,260.0	35,840.7	84.8	83.9	85.7
44	FRESNO	14,455.0	12,225.7	84.6	83.1	86.1
45	SACRAMENTO	19,354.7	16,359.0	84.5	83.2	85.8
46	MERCED	4,161.0	3,510.7	84.4	81.6	87.2
47	RIVERSIDE	28,210.0	23,676.3	83.9	82.9	85.0
48	SAN JOAQUIN	10,261.3	8,609.7	83.9	82.1	85.7
49	STANISLAUS	7,751.3	6,442.3	83.1	81.1	85.1
50	LOS ANGELES	141,469.0	117,427.3	83.0	82.5	83.5
51	IMPERIAL	2,769.7	2,296.0	82.9	79.5	86.3
52	SUTTER	1,359.7	1,114.3	82.0	77.1	86.8
53	KERN	12,897.0	10,511.0	81.5	79.9	83.1
54	ALPINE	9.0	7.3	81.5 *	22.5	100.0
55	SAN BERNARDINO	29,573.7	23,783.3	80.4	79.4	81.4
56	TULARE	7,440.3	5,969.7	80.2	78.2	82.3
57	YUBA	1,118.0	888.0	79.4	74.2	84.7
	<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-19a)</b>			<b>75.0</b>		
58	KINGS	1,960.3	1,432.0	73.0	69.3	76.8

\* Percentage unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: Genetic Disease Branch; Maternal, Child and Adolescent Health/Office of Family Planning Branch.

## PERSONS UNDER 18 BELOW POVERTY, 2005



The percentage of persons under age 18 who were below poverty in California was 17.7 per 100 population under age 18. This percentage was based on the 2000 Census projected to year 2005 Population.

All 58 counties had “reliable” percentages of persons less than 18 years of age below poverty. The percents ranged from 31.6 in Tulare County to 6.4 in Placer County, a difference in percentages by a factor of 4.9 to 1.

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

**TABLE 29  
PERSONS UNDER 18 BELOW POVERTY  
RANKED BY PERCENTAGE OF CENSUS POPULATION UNDER 18 BELOW POVERTY  
CALIFORNIA COUNTIES, 2005**

RANK ORDER	COUNTY	UNDER 18			95% CONFIDENCE LIMITS	
		2005 POPULATION	IN POVERTY		LOWER	UPPER
			NUMBER	PERCENT		
<b>HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:</b>			<b>NONE</b>			
1	PLACER	81,012	5,166	6.4	6.2	6.6
2	MARIN	53,159	3,767	7.1	6.9	7.3
3	SAN MATEO	163,734	13,502	8.2	8.1	8.4
4	EL DORADO	41,439	3,484	8.4	8.1	8.7
5	NAPA	32,927	3,011	9.1	8.8	9.5
6	SANTA CLARA	450,257	44,369	9.9	9.8	9.9
7	NEVADA	20,301	2,005	9.9	9.4	10.3
8	SONOMA	115,849	11,738	10.1	9.9	10.3
9	CONTRA COSTA	257,970	28,165	10.9	10.8	11.0
10	ORANGE	797,519	90,936	11.4	11.3	11.5
11	MONO	2,941	338	11.5	10.3	12.7
12	SOLANO	110,969	13,593	12.2	12.0	12.5
13	SAN BENITO	17,390	2,217	12.7	12.2	13.3
14	AMADOR	6,803	888	13.1	12.2	13.9
15	SAN LUIS OBISPO	54,099	7,151	13.2	12.9	13.5
16	VENTURA	216,532	28,950	13.4	13.2	13.5
17	SUTTER	26,770	3,636	13.6	13.1	14.0
18	SAN FRANCISCO	113,434	15,809	13.9	13.7	14.2
19	YOLO	46,156	6,481	14.0	13.7	14.4
20	ALAMEDA	363,376	51,672	14.2	14.1	14.3
21	SAN DIEGO	802,980	116,761	14.5	14.5	14.6
22	CALAVERAS	8,584	1,250	14.6	13.8	15.4
23	SANTA CRUZ	58,182	8,555	14.7	14.4	15.0
24	RIVERSIDE	563,529	84,636	15.0	14.9	15.1
25	INYO	4,137	646	15.6	14.4	16.8
26	SANTA BARBARA	104,470	16,582	15.9	15.6	16.1
27	SIERRA	666	108	16.2	13.2	19.3
28	PLUMAS	4,173	690	16.5	15.3	17.8
29	TUOLUMNE	10,265	1,735	16.9	16.1	17.7
30	STANISLAUS	163,613	27,923	17.1	16.9	17.3
31	SAN JOAQUIN	215,464	38,044	17.7	17.5	17.8
	<b>CALIFORNIA</b>	<b>9,959,282</b>	<b>1,761,755</b>	<b>17.7</b>	<b>17.7</b>	<b>17.7</b>
32	MONTEREY	121,174	21,517	17.8	17.5	18.0
33	MARIPOSA	3,314	606	18.3	16.8	19.7
34	LASSEN	7,013	1,302	18.6	17.6	19.6
35	COLUSA	6,259	1,183	18.9	17.8	20.0
36	SACRAMENTO	378,505	71,689	18.9	18.8	19.1
37	HUMBOLDT	28,572	5,451	19.1	18.6	19.6
38	SAN BERNARDINO	600,295	117,828	19.6	19.5	19.7
39	SHASTA	43,057	8,509	19.8	19.3	20.2
40	LOS ANGELES	2,869,513	624,433	21.8	21.7	21.8
41	ALPINE	243	53	21.8	15.9	27.7
42	BUTTE	48,201	10,600	22.0	21.6	22.4
43	MENDOCINO	20,940	4,812	23.0	22.3	23.6
44	TRINITY	2,920	676	23.2	21.4	24.9
45	GLENN	8,010	1,902	23.7	22.7	24.8
46	YUBA	20,867	4,969	23.8	23.2	24.5
47	KINGS	41,961	10,090	24.0	23.6	24.5
48	MERCED	77,413	19,828	25.6	25.3	26.0
49	MADERA	41,229	10,763	26.1	25.6	26.6
50	MODOC	2,194	580	26.4	24.3	28.6
51	SISKIYOU	9,766	2,584	26.5	25.4	27.5
52	TEHAMA	15,052	4,069	27.0	26.2	27.9
53	KERN	236,744	64,618	27.3	27.1	27.5
54	IMPERIAL	46,673	12,783	27.4	26.9	27.9
55	DEL NORTE	6,324	1,808	28.6	27.3	29.9
56	LAKE	13,281	3,864	29.1	28.2	30.0
57	FRESNO	268,752	79,607	29.6	29.4	29.8
58	TULARE	132,310	41,831	31.6	31.3	31.9

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. Total persons under 18 below poverty may not add due to rounding. Percentages are based on the population under 18 years of age for which the poverty status was determined and excludes persons of unknown poverty status. Source: U.S. Census Bureau, Small Area Income and Poverty Estimates: <http://www.census.gov/hhes/www/saie/> California Department of Finance: 2005 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, 2001-2006**

COUNTY	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ALL CANCERS (THREE-YEAR AVERAGES) <sup>1,2</sup>		COLORECTAL (COLON) CANCER (THREE-YEAR AVERAGES) <sup>1,2</sup>		LUNG CANCER (THREE-YEAR AVERAGES) <sup>1,2</sup>	
	2001-2003	2004-2006	2001-2003	2004-2006	2001-2003	2004-2006
<b>CALIFORNIA</b>	<b>173.5</b>	<b>161.3</b>	<b>17.1</b>	<b>15.4</b>	<b>44.7</b>	<b>40.2</b>
ALAMEDA	175.5	157.8	17.7	16.3	46.5	39.3
ALPINE	124.6 *	17.0 *	-	-	56.7 *	17.0 *
AMADOR	192.4	164.1	19.3 *	11.0 *	58.4	44.4
BUTTE	198.5	185.6	20.0	16.5	59.0	55.6
CALAVERAS	145.7	151.2	11.6 *	16.5 *	47.2	43.9
COLUSA	159.5	141.9	28.2 *	6.8 *	37.3 *	46.9 *
CONTRA COSTA	178.7	166.1	17.2	16.9	46.3	40.7
DEL NORTE	208.2	227.1	15.6 *	19.2 *	71.0	71.3
EL DORADO	181.8	157.3	16.2	15.4	49.5	42.2
FRESNO	172.6	167.0	16.1	15.4	44.0	44.1
GLENN	168.1	171.5	20.4 *	16.7 *	51.4 *	46.8 *
HUMBOLDT	222.5	203.3	20.3	19.5	65.0	56.1
IMPERIAL	164.2	153.3	13.3 *	15.6	40.1	36.6
INYO	182.6	180.6	18.2 *	13.3 *	47.8 *	52.0 *
KERN	202.4	189.9	20.9	17.4	58.7	51.7
KINGS	184.5	181.3	18.6 *	19.3 *	49.9	50.7
LAKE	220.6	208.4	16.9 *	17.8 *	72.5	66.3
LASSEN	158.9	170.7	8.6 *	17.0 *	34.9 *	44.5 *
LOS ANGELES	163.8	150.9	17.0	15.5	38.5	34.3
MADERA	166.0	151.0	14.5 *	14.6 *	48.3	36.3
MARIN	158.9	150.8	15.6	10.6	41.0	33.5
MARIPOSA	158.6	159.9	23.8 *	15.5 *	45.2 *	47.8 *
MENDOCINO	195.4	181.9	19.3 *	17.1 *	51.8	47.4
MERCED	185.1	163.4	19.6	12.9	46.4	46.1
MODOC	156.6	150.8	14.0 *	16.6 *	52.7 *	36.4 *
MONO	108.6 *	81.8 *	4.6 *	10.8 *	21.7 *	26.4 *
MONTEREY	155.5	141.7	14.8	10.9	40.3	37.0
NAPA	197.9	188.1	20.8	16.5	51.2	50.0
NEVADA	190.0	154.9	19.8	15.2	47.8	35.5
ORANGE	163.9	150.4	15.2	14.7	40.9	35.7
PLACER	183.3	165.4	15.0	14.8	50.1	42.4
PLUMAS	208.0	193.5	18.9 *	19.5 *	61.5	54.6 *
RIVERSIDE	184.8	180.2	19.7	17.0	50.2	48.3
SACRAMENTO	191.7	176.1	17.1	15.1	53.6	48.0
SAN BENITO	145.2	128.5	12.6 *	9.4 *	36.6 *	26.4 *
SAN BERNARDINO	194.4	180.1	20.4	17.6	51.5	45.7
SAN DIEGO	177.5	166.7	16.4	15.6	45.2	40.9
SAN FRANCISCO	171.1	158.8	17.2	15.9	41.3	39.7
SAN JOAQUIN	194.2	182.6	16.4	16.1	58.0	50.3
SAN LUIS OBISPO	166.6	154.7	16.9	12.2	46.5	44.0
SAN MATEO	166.0	157.1	17.2	15.0	41.9	37.0
SANTA BARBARA	160.3	141.9	14.9	11.4	40.8	33.0
SANTA CLARA	144.6	139.6	13.1	12.7	34.4	31.9
SANTA CRUZ	168.4	166.8	15.8	13.6	44.2	41.3
SHASTA	202.7	207.1	18.9	16.6	66.6	64.2
SIERRA	183.9 *	167.7 *	11.9 *	20.1 *	47.0 *	49.1 *
SISKIYOU	188.5	189.2	14.8 *	15.8 *	55.4	56.3
SOLANO	189.4	183.4	19.2	18.3	52.7	49.9
SONOMA	188.1	179.2	19.5	19.1	51.8	45.9
STANISLAUS	193.7	179.2	20.2	16.0	54.8	52.5
SUTTER	191.4	162.9	15.5 *	12.1 *	53.3	49.6
TEHAMA	209.6	187.5	21.5 *	18.1 *	74.2	58.7
TRINITY	176.8	182.1	12.7 *	15.7 *	57.6 *	66.9 *
TULARE	180.5	166.9	16.5	15.2	48.3	46.1
TUOLUMNE	200.3	157.5	17.9 *	10.8 *	52.6	40.6
VENTURA	168.0	151.8	16.7	14.7	42.3	38.0
YOLO	186.8	175.9	16.6	17.8	52.5	51.7
YUBA	231.2	207.4	20.1 *	16.4 *	75.4	68.3

**TABLE 30 (continued)**  
**A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES**  
**AMONG SELECTED HEALTH STATUS INDICATORS**  
**CALIFORNIA COUNTIES, 2001-2006**

COUNTY	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	FEMALE		PROSTATE CANCER		DIABETES	
	BREAST CANCER (THREE-YEAR AVERAGES) <sup>1,2</sup>		(THREE-YEAR AVERAGES) <sup>1,2</sup>		(THREE-YEAR AVERAGES) <sup>1,2,3</sup>	
	2001-2003	2004-2006	2001-2003	2004-2006	2001-2003	2004-2006
<b>CALIFORNIA</b>	<b>23.7</b>	<b>22.1</b>	<b>25.2</b>	<b>22.9</b>	<b>21.9</b>	<b>22.1</b>
ALAMEDA	24.3	22.0	29.8	21.8	22.3	21.2
ALPINE	65.0 *	-	-	-	-	55.8 *
AMADOR	22.5 *	26.2 *	31.5 *	14.9 *	14.5 *	12.2 *
BUTTE	22.0	19.0	27.6	23.0	20.5	18.5
CALAVERAS	15.2 *	20.2 *	34.0 *	16.5 *	8.5 *	7.9 *
COLUSA	10.6 *	3.1 *	25.9 *	23.0 *	16.4 *	19.1 *
CONTRA COSTA	27.0	22.9	28.5	21.5	18.5	19.3
DEL NORTE	6.5 *	22.2 *	30.7 *	25.9 *	8.2 *	29.3 *
EL DORADO	23.9	18.6	27.0 *	21.2 *	11.8	12.8
FRESNO	22.7	20.9	26.3	24.9	29.3	33.0
GLENN	24.2 *	9.0 *	19.6 *	27.2 *	29.2 *	29.8 *
HUMBOLDT	27.1	26.9	32.7 *	27.4 *	32.0	23.6
IMPERIAL	21.1 *	19.5 *	30.0 *	20.7 *	32.3	30.3
INYO	35.5 *	10.1 *	25.4 *	26.8 *	12.2 *	20.9 *
KERN	27.4	24.4	24.0	31.0	30.7	34.3
KINGS	23.0 *	21.4 *	22.1 *	21.2 *	60.9	44.4
LAKE	21.5 *	24.6 *	29.4 *	27.1 *	17.0 *	13.9 *
LASSEN	14.9 *	31.6 *	29.1 *	30.1 *	17.8 *	18.8 *
LOS ANGELES	22.7	22.1	23.6	21.2	25.1	25.0
MADERA	18.4 *	20.4 *	24.1 *	25.9 *	32.2	21.6
MARIN	26.7	26.1	22.7	21.9	10.6	10.0
MARIPOSA	27.0 *	19.3 *	25.9 *	14.9 *	6.7 *	23.0 *
MENDOCINO	23.0 *	25.2 *	15.5 *	21.0 *	20.2	19.1 *
MERCED	25.9	23.7	21.6 *	22.8 *	38.1	32.0
MODOC	14.1 *	36.6 *	16.5 *	27.4 *	21.4 *	19.8 *
MONO	26.8 *	14.2 *	14.2 *	11.9 *	14.2 *	3.7 *
MONTEREY	22.0	18.2	23.6	19.7	19.4	17.8
NAPA	24.2	22.3	28.2	29.6	20.8	17.4
NEVADA	21.1 *	24.3 *	30.3 *	21.8 *	13.5 *	14.5 *
ORANGE	23.1	18.9	23.3	22.7	17.6	17.4
PLACER	22.9	24.8	29.5	22.8	15.0	13.5
PLUMAS	36.6 *	13.1 *	26.9 *	20.6 *	13.8 *	15.7 *
RIVERSIDE	26.4	24.2	27.3	27.5	17.7	21.3
SACRAMENTO	25.4	24.0	27.3	22.8	21.3	20.8
SAN BENITO	14.1 *	22.1 *	8.4 *	12.3 *	11.1 *	12.6 *
SAN BERNARDINO	26.0	25.4	29.3	30.1	30.8	30.5
SAN DIEGO	25.9	22.7	28.1	25.5	18.7	21.1
SAN FRANCISCO	22.8	20.1	19.7	15.8	16.1	13.7
SAN JOAQUIN	26.5	25.4	26.5	26.9	31.1	34.9
SAN LUIS OBISPO	20.6	19.7	22.8	18.8	14.7	14.0
SAN MATEO	23.3	23.6	24.5	21.1	13.9	12.2
SANTA BARBARA	21.1	21.5	19.8	21.7	17.4	17.6
SANTA CLARA	20.2	18.9	20.0	19.0	16.8	20.3
SANTA CRUZ	22.5	26.5	25.3	27.0	16.5	15.7
SHASTA	24.1	23.7	29.0	22.0 *	18.3	14.4
SIERRA	20.6 *	26.5 *	10.8 *	11.2 *	22.7 *	25.3 *
SISKIYOU	24.5 *	17.2 *	29.4 *	28.3 *	20.2 *	26.2 *
SOLANO	24.3	21.6	26.8	25.3	23.8	28.4
SONOMA	24.7	21.4	29.2	26.9	18.1	18.4
STANISLAUS	24.0	24.7	24.5	24.1	29.0	25.3
SUTTER	26.3 *	22.7 *	33.6 *	32.3 *	25.4	21.6
TEHAMA	24.0 *	23.9 *	28.4 *	23.4 *	23.8 *	19.6 *
TRINITY	20.3 *	9.3 *	3.6 *	32.7 *	16.9 *	21.3 *
TULARE	22.7	22.1	23.0	22.0	34.6	32.7
TUOLUMNE	26.0 *	22.5 *	25.3 *	19.1 *	12.9 *	14.7 *
VENTURA	23.6	21.1	21.8	21.6	22.6	19.4
YOLO	19.9 *	23.5	26.7 *	27.7 *	24.6	21.8
YUBA	20.6 *	24.2 *	43.0 *	22.5 *	24.4 *	21.1 *

**TABLE 30 (continued)**  
**A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES**  
**AMONG SELECTED HEALTH STATUS INDICATORS**  
**CALIFORNIA COUNTIES, 2001-2006**

COUNTY	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ALZHEIMER'S DISEASE (THREE-YEAR AVERAGES) <sup>1,2</sup>		CORONARY HEART DISEASE (THREE-YEAR AVERAGES) <sup>1,2</sup>		CEREBROVASCULAR DISEASE (STROKE) (THREE-YEAR AVERAGES) <sup>1,2</sup>	
	2001-2003	2004-2006	2001-2003	2004-2006	2001-2003	2004-2006
<b>CALIFORNIA</b>	<b>18.7</b>	<b>23.1</b>	<b>184.0</b>	<b>154.0</b>	<b>58.4</b>	<b>47.8</b>
ALAMEDA	15.7	16.5	159.4	133.1	62.7	46.7
ALPINE	-	-	125.6 *	46.1 *	101.9 *	56.4 *
AMADOR	20.2 *	15.2 *	170.7	152.9	64.1	50.1
BUTTE	18.2	31.0	178.0	148.4	64.1	58.1
CALAVERAS	15.5 *	10.9 *	154.7	122.7	56.8	39.3
COLUSA	22.0 *	38.9 *	181.5	126.6	35.0 *	47.3 *
CONTRA COSTA	17.9	28.7	154.7	114.9	62.4	52.1
DEL NORTE	13.3 *	14.2 *	153.0	145.8	46.4 *	50.2 *
EL DORADO	22.5	20.4	147.5	124.0	44.8	39.0
FRESNO	17.1	25.7	198.4	167.4	69.4	62.4
GLENN	17.0 *	26.1 *	143.0	138.8	50.9 *	40.5 *
HUMBOLDT	30.5	40.5	161.1	153.9	56.8	68.7
IMPERIAL	11.7 *	8.8 *	163.8	127.9	60.1	40.4
INYO	5.7 *	3.2 *	200.9	167.7	55.2 *	24.3 *
KERN	21.4	34.1	280.0	250.8	64.2	55.7
KINGS	14.4 *	18.7 *	184.0	162.4	60.3	56.6
LAKE	12.6 *	15.7 *	180.6	157.9	70.7	54.6
LASSEN	18.6 *	12.1 *	176.6	137.4	46.4 *	39.2 *
LOS ANGELES	13.3	16.8	204.0	169.7	52.4	43.3
MADERA	28.7	32.5	208.8	166.3	56.6	49.0
MARIN	11.3	21.9	124.2	93.6	53.1	44.5
MARIPOSA	8.9 *	13.3 *	169.5	125.8	53.8 *	47.3 *
MENDOCINO	9.3 *	13.9 *	147.5	130.0	66.8	54.1
MERCED	18.0	16.8	209.5	176.7	77.4	67.8
MODOC	25.3 *	14.0 *	179.4	116.3 *	63.8 *	46.0 *
MONO	6.5 *	8.3 *	120.2 *	71.1 *	31.3 *	28.6 *
MONTEREY	14.5	13.9	139.9	113.1	57.9	43.9
NAPA	33.6	40.7	152.7	109.7	72.1	56.0
NEVADA	18.4	14.4	159.6	118.4	75.8	61.0
ORANGE	19.0	23.8	178.9	148.1	56.2	47.6
PLACER	23.1	28.3	150.3	125.8	61.0	60.1
PLUMAS	10.6 *	12.7 *	119.3	91.0	44.6 *	45.8 *
RIVERSIDE	21.9	30.3	227.8	188.7	62.4	52.5
SACRAMENTO	19.0	26.1	199.0	166.9	71.5	61.5
SAN BENITO	11.3 *	13.3 *	132.0	113.4	53.4	48.2 *
SAN BERNARDINO	20.8	28.3	243.7	211.0	61.3	50.2
SAN DIEGO	34.5	38.0	165.5	134.4	58.7	45.0
SAN FRANCISCO	14.3	14.6	159.0	127.4	59.8	45.3
SAN JOAQUIN	21.0	24.6	218.3	209.4	76.8	56.6
SAN LUIS OBISPO	26.2	17.7	136.2	120.7	52.0	45.6
SAN MATEO	19.2	20.1	127.1	110.6	55.9	44.1
SANTA BARBARA	19.8	20.5	149.6	132.3	53.8	45.5
SANTA CLARA	16.2	24.8	133.1	112.9	50.4	37.6
SANTA CRUZ	16.2	16.6	144.9	119.9	49.3	42.1
SHASTA	20.2	22.3	180.5	159.0	64.8	52.4
SIERRA	16.6 *	4.8 *	103.8 *	64.3 *	27.6 *	11.7 *
SISKIYOU	18.9 *	16.6 *	147.7	119.1	54.1	46.8
SOLANO	30.4	36.5	163.1	128.1	70.8	53.3
SONOMA	23.6	28.9	146.3	128.5	65.3	60.6
STANISLAUS	20.5	23.9	254.8	206.6	62.5	50.7
SUTTER	10.4 *	19.5 *	210.0	173.0	59.9	47.8
TEHAMA	17.3 *	27.1	173.3	143.7	72.3	55.4
TRINITY	18.2 *	9.6 *	97.5 *	95.3 *	53.9 *	42.4 *
TULARE	7.6	9.9	191.6	183.3	67.4	53.2
TUOLUMNE	18.3 *	14.9 *	153.0	118.3	48.3	41.7
VENTURA	16.6	21.5	161.1	144.7	52.9	40.7
YOLO	29.1	24.9	151.4	125.8	65.0	55.7
YUBA	8.8 *	9.1 *	225.9	198.6	72.1	49.3

**TABLE 30 (continued)**  
**A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES**  
**AMONG SELECTED HEALTH STATUS INDICATORS**  
**CALIFORNIA COUNTIES, 2001-2006**

COUNTY	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	INFLUENZA/PNEUMONIA (THREE-YEAR AVERAGES) <sup>1,2</sup>		CHRONIC LOWER RESPIRATORY DISEASE (THREE-YEAR AVERAGES) <sup>1,2</sup>		CHRONIC LIVER DISEASE AND CIRRHOSIS (THREE-YEAR AVERAGES) <sup>1,2</sup>	
	2001-2003	2004-2006	2001-2003	2004-2006	2001-2003	2004-2006
<b>CALIFORNIA</b>	<b>26.9</b>	<b>22.4</b>	<b>42.8</b>	<b>39.2</b>	<b>11.5</b>	<b>10.6</b>
ALAMEDA	23.7	18.5	34.5	32.0	9.7	8.8
ALPINE	-	-	57.2 *	38.0 *	21.5 *	17.9 *
AMADOR	24.5 *	25.3 *	30.4 *	39.3	10.8 *	13.2 *
BUTTE	25.4	21.3	58.3	55.4	17.1	14.6
CALAVERAS	22.9 *	15.9 *	43.4	43.3	8.9 *	11.1 *
COLUSA	25.5 *	23.3 *	59.5 *	52.7 *	16.8 *	5.0 *
CONTRA COSTA	24.6	20.8	40.1	36.7	9.5	8.4
DEL NORTE	43.0 *	17.4 *	64.6 *	64.7	18.3 *	12.7 *
EL DORADO	20.3	19.0	47.1	44.6	9.2 *	11.6
FRESNO	29.4	26.7	46.5	42.5	15.8	13.9
GLENN	18.9 *	24.2 *	66.7 *	61.5 *	10.4 *	17.5 *
HUMBOLDT	27.1	25.0	73.5	59.3	16.7	13.6 *
IMPERIAL	12.6 *	14.1 *	38.5	28.9	19.0	15.9
INYO	18.8 *	21.2 *	53.5 *	50.2 *	26.0 *	24.0 *
KERN	37.1	29.9	70.7	71.0	19.0	18.1
KINGS	15.9 *	12.4 *	62.4	58.4	15.4 *	13.3 *
LAKE	33.8	17.3 *	72.0	76.4	21.7 *	19.6 *
LASSEN	18.3 *	18.2 *	50.4 *	46.8 *	11.0 *	6.8 *
LOS ANGELES	30.6	26.1	35.9	32.6	11.8	11.0
MADERA	18.3	18.8	43.3	43.5	13.8 *	13.0 *
MARIN	23.8	15.6	32.0	28.7	8.5	6.0
MARIPOSA	17.7 *	14.4 *	49.8 *	32.9 *	15.8 *	11.5 *
MENDOCINO	22.7	16.7 *	59.7	48.5	12.1 *	15.0 *
MERCED	22.5	17.6	58.0	47.1	14.7	11.1
MODOC	12.1 *	25.9 *	67.2 *	73.6 *	17.8 *	7.8 *
MONO	16.2 *	12.8 *	21.1 *	13.0 *	6.2 *	4.0 *
MONTEREY	17.6	14.2	35.1	34.2	9.6	11.0
NAPA	28.9	25.7	45.1	42.2	13.3	13.0 *
NEVADA	22.1	16.0	46.5	47.0	12.2 *	7.5 *
ORANGE	25.6	23.0	37.4	33.6	9.5	8.5
PLACER	21.1	19.2	44.3	43.7	9.5	8.6
PLUMAS	34.5 *	15.1 *	58.1 *	49.8 *	11.6 *	9.1 *
RIVERSIDE	22.6	18.6	60.2	53.4	12.0	12.7
SACRAMENTO	31.3	26.8	50.8	47.6	10.9	10.9
SAN BENITO	24.1 *	27.1 *	33.8 *	40.8 *	14.6 *	9.9 *
SAN BERNARDINO	29.4	24.5	65.2	63.5	14.6	12.5
SAN DIEGO	23.8	15.3	42.0	39.3	10.7	8.4
SAN FRANCISCO	30.4	26.0	31.9	25.7	9.7	8.6
SAN JOAQUIN	24.1	20.9	58.2	48.3	14.4	12.5
SAN LUIS OBISPO	12.6	14.8	44.7	35.5	10.3	7.2
SAN MATEO	27.5	24.7	33.9	28.5	8.6	8.3
SANTA BARBARA	21.1	18.8	35.3	32.0	9.5	10.9
SANTA CLARA	23.8	20.2	30.9	27.5	8.6	7.9
SANTA CRUZ	19.7	17.2	41.6	40.3	11.4	11.1
SHASTA	25.6	23.0	66.0	69.7	13.9	16.9
SIERRA	16.6 *	11.4 *	35.8 *	14.8 *	16.4 *	24.5 *
SISKIYOU	28.6 *	19.5 *	57.1	58.7	13.0 *	15.3 *
SOLANO	29.5	24.4	47.8	50.2	12.9	10.3
SONOMA	22.5	18.4	43.6	38.6	10.7	11.9
STANISLAUS	35.5	26.8	52.8	48.6	15.0	11.5
SUTTER	33.1	28.8	64.6	61.9	9.8 *	10.9 *
TEHAMA	27.8	20.1 *	64.1	61.5	15.8 *	13.1 *
TRINITY	24.5 *	18.3 *	65.0 *	64.2 *	15.0 *	27.4 *
TULARE	27.6	22.5	52.1	45.3	16.3	14.3
TUOLUMNE	17.3 *	18.6 *	43.2	34.9	11.5 *	15.9 *
VENTURA	23.1	18.6	39.9	38.1	9.7	9.5
YOLO	44.9	39.0	62.5	52.2	11.9 *	11.9
YUBA	30.3 *	24.6 *	87.1	82.5	17.7 *	13.5 *

**TABLE 30 (continued)**  
**A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES**  
**AMONG SELECTED HEALTH STATUS INDICATORS**  
**CALIFORNIA COUNTIES, 2001-2006**

COUNTY	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	UNINTENTIONAL INJURIES		MOTOR VEHICLE CRASHES		SUICIDE	
	(THREE-YEAR AVERAGES) <sup>1,2</sup>		(THREE-YEAR AVERAGES) <sup>1,2</sup>		(THREE-YEAR AVERAGES) <sup>1,2</sup>	
	2001-2003	2004-2006	2001-2003	2004-2006	2001-2003	2004-2006
<b>CALIFORNIA</b>	<b>28.9</b>	<b>30.2</b>	<b>12.0</b>	<b>11.9</b>	<b>9.6</b>	<b>9.0</b>
ALAMEDA	25.0	27.4	8.1	8.3	8.3	7.1
ALPINE	-	29.0 *	-	29.0 *	51.5 *	35.9 *
AMADOR	45.8 *	54.0	26.5 *	24.2 *	14.7 *	16.4 *
BUTTE	51.2	53.0	18.6	19.8	16.0	18.2
CALAVERAS	57.8	44.2	37.4 *	26.5 *	15.7 *	18.4 *
COLUSA	32.7 *	41.2 *	20.4 *	24.9 *	11.3 *	6.9 *
CONTRA COSTA	25.8	27.3	9.9	9.1	9.7	8.9
DEL NORTE	83.7	38.9 *	32.4 *	19.1 *	19.5 *	15.2 *
EL DORADO	34.2	42.1	13.1	16.8	14.9	14.9
FRESNO	44.3	43.7	22.7	19.4	9.1	9.5
GLENN	58.6 *	51.7 *	29.9 *	28.6 *	18.2 *	15.4 *
HUMBOLDT	71.3	67.2	21.8	19.0	19.8	19.7
IMPERIAL	33.0	43.5	17.7	21.3	5.1 *	7.0 *
INYO	59.5 *	49.1 *	24.4 *	13.9 *	22.8 *	14.7 *
KERN	46.5	47.3	21.5	20.2	11.1	10.6
KINGS	42.5	38.7	25.4	20.8	9.4 *	7.8 *
LAKE	65.3	72.5	22.8 *	29.9 *	21.4 *	22.4 *
LASSEN	41.1 *	55.5 *	18.4 *	25.6 *	18.6 *	21.3 *
LOS ANGELES	23.3	23.2	9.4	9.6	7.8	6.9
MADERA	54.7	43.9	29.0	21.4	11.7 *	10.2 *
MARIN	21.3	20.5	6.7 *	5.4 *	11.8	13.1
MARIPOSA	65.2 *	62.6 *	36.3 *	28.1 *	12.5 *	25.7 *
MENDOCINO	63.8	48.5	23.5	17.5 *	15.9 *	20.0 *
MERCED	46.3	48.0	24.2	25.3	10.0	8.5 *
MODOC	81.5 *	54.6 *	41.7 *	24.6 *	7.6 *	20.0 *
MONO	53.5 *	28.1 *	29.2 *	6.3 *	20.4 *	4.8 *
MONTEREY	32.2	35.3	14.1	14.6	9.4	8.1
NAPA	29.9	32.5	11.0 *	15.0	8.4 *	11.9 *
NEVADA	46.7	50.9	16.9 *	18.6 *	16.1 *	12.7 *
ORANGE	23.0	22.3	8.5	8.0	8.4	8.4
PLACER	33.6	35.1	13.0	12.9	13.5	9.6
PLUMAS	45.0 *	33.1 *	20.1 *	12.7 *	13.3 *	22.8 *
RIVERSIDE	34.1	37.3	16.5	17.5	10.5	10.2
SACRAMENTO	31.4	38.1	13.8	12.0	11.6	12.9
SAN BENITO	34.0 *	30.1 *	21.4 *	12.7 *	9.4 *	8.0 *
SAN BERNARDINO	29.3	30.5	16.5	17.0	10.6	10.1
SAN DIEGO	26.7	29.2	10.3	10.9	10.9	9.9
SAN FRANCISCO	28.9	28.3	6.5	5.5	11.0	10.5
SAN JOAQUIN	39.5	47.7	18.8	15.4	10.7	7.1
SAN LUIS OBISPO	32.8	38.1	12.6	16.6	13.5	10.5
SAN MATEO	21.1	20.1	7.4	6.0	7.2	8.2
SANTA BARBARA	29.1	31.2	9.5	12.6	10.1	9.1
SANTA CLARA	19.3	21.0	7.8	7.1	7.6	7.0
SANTA CRUZ	26.4	31.2	11.0	9.7	13.1	10.5
SHASTA	56.5	57.9	21.1	16.6	20.2	18.7
SIERRA	75.2 *	86.1 *	34.8 *	72.1 *	5.6 *	13.5 *
SISKIYOU	54.3	69.2	18.3 *	33.5 *	15.4 *	23.3 *
SOLANO	27.0	33.1	11.2	13.4	9.4	9.6
SONOMA	32.1	33.8	12.1	11.7	11.5	10.8
STANISLAUS	51.3	51.6	20.7	17.9	11.3	10.1
SUTTER	46.5	38.8	26.6	19.2 *	13.4 *	8.6 *
TEHAMA	51.2	54.2	24.9 *	24.1 *	15.0 *	15.9 *
TRINITY	66.2 *	100.6 *	39.4 *	59.7 *	33.7 *	42.6 *
TULARE	48.7	53.9	23.8	26.9	8.8	8.5
TUOLUMNE	64.8	60.6	31.0 *	25.5 *	18.7 *	25.0 *
VENTURA	28.0	29.0	10.2	10.5	9.3	10.3
YOLO	33.6	37.8	10.2 *	13.7	9.4 *	8.7 *
YUBA	54.3	63.4	25.5 *	24.4 *	17.3 *	18.2 *

**TABLE 30 (continued)**  
**A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES**  
**AMONG SELECTED HEALTH STATUS INDICATORS**  
**CALIFORNIA COUNTIES, 2001-2006**

COUNTY	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	HOMICIDE		FIREARM-RELATED DEATHS		DRUG-INDUCED DEATHS	
	(THREE-YEAR AVERAGES) <sup>1,2</sup>		(THREE-YEAR AVERAGES) <sup>1,2</sup>		(THREE-YEAR AVERAGES) <sup>1,2</sup>	
	2001-2003	2004-2006	2001-2003	2004-2006	2001-2003	2004-2006
<b>CALIFORNIA</b>	<b>6.7</b>	<b>6.8</b>	<b>9.6</b>	<b>9.2</b>	<b>9.3</b>	<b>10.3</b>
ALAMEDA	8.5	9.2	10.3	10.4	8.7	10.9
ALPINE	-	23.6 *	51.5 *	35.9 *	-	-
AMADOR	-	1.4 *	8.3 *	13.6 *	12.0 *	21.9 *
BUTTE	4.4 *	3.8 *	11.0	11.0	20.0	22.8
CALAVERAS	2.5 *	4.2 *	14.1 *	15.8 *	14.0 *	9.4 *
COLUSA	2.0 *	-	9.5 *	6.5 *	3.8 *	11.9 *
CONTRA COSTA	7.4	8.8	10.6	10.7	7.9	9.3
DEL NORTE	2.2 *	6.6 *	10.6 *	9.8 *	30.6 *	21.5 *
EL DORADO	1.7 *	2.8 *	11.8 *	12.2	12.7	14.7
FRESNO	7.3	8.2	10.4	10.4	10.8	12.9
GLENN	1.1 *	-	18.7 *	10.7 *	11.7 *	13.2 *
HUMBOLDT	8.2 *	2.9 *	16.3	10.7 *	29.5	31.0
IMPERIAL	5.1 *	2.6 *	4.3 *	6.1 *	5.3 *	10.0 *
INYO	2.8 *	1.4 *	16.6 *	13.3 *	8.4 *	1.2 *
KERN	7.1	7.9	10.5	12.1	15.2	15.3
KINGS	3.8 *	3.4 *	5.5 *	6.3 *	7.4 *	7.8 *
LAKE	4.0 *	4.9 *	13.1 *	13.1 *	21.2 *	24.5 *
LASSEN	3.4 *	5.0 *	15.3 *	14.5 *	11.2 *	21.3 *
LOS ANGELES	11.0	10.5	12.6	11.4	8.1	7.9
MADERA	6.7 *	5.3 *	10.5 *	10.2 *	11.8 *	9.8 *
MARIN	1.7 *	2.1 *	4.6 *	5.7 *	9.5	11.0
MARIPOSA	0.0 +	1.1 *	6.0 *	15.1 *	15.6 *	20.6 *
MENDOCINO	6.6 *	6.2 *	11.6 *	13.9 *	18.2 *	13.7 *
MERCED	5.7 *	8.2	10.5	11.2	7.3 *	8.8 *
MODOC	-	-	4.7 *	20.8 *	12.4 *	18.8 *
MONO	-	-	13.1 *	-	4.4 *	1.9 *
MONTEREY	6.2	5.4	9.0	7.1	9.7	11.4
NAPA	1.8 *	3.0 *	5.3 *	6.8 *	10.5 *	4.7 *
NEVADA	4.1 *	1.6 *	10.3 *	7.8 *	16.1 *	12.2 *
ORANGE	2.7	2.8	5.7	5.0	7.5	8.4
PLACER	1.5 *	1.8 *	8.3	5.5 *	8.2	11.1
PLUMAS	1.2 *	3.2 *	10.1 *	17.8 *	7.8 *	16.2 *
RIVERSIDE	6.6	5.5	10.3	9.5	9.5	10.6
SACRAMENTO	6.2	7.4	9.4	10.9	10.9	17.0
SAN BENITO	5.5 *	0.5 *	7.6 *	2.7 *	4.8 *	9.2 *
SAN BERNARDINO	8.1	8.8	11.9	11.3	9.1	11.6
SAN DIEGO	3.6	4.1	7.6	6.9	9.6	10.4
SAN FRANCISCO	7.7	10.2	7.2	9.8	16.6	18.7
SAN JOAQUIN	8.9	6.5	11.2	10.3	13.4	14.8
SAN LUIS OBISPO	2.1 *	2.0 *	7.7	6.2 *	10.6	11.5
SAN MATEO	3.5	4.8	5.6	6.4	6.5	7.0
SANTA BARBARA	2.0 *	2.2 *	5.4	5.1	10.7	9.9
SANTA CLARA	2.4	2.6	3.9	4.0	4.5	5.8
SANTA CRUZ	3.3 *	3.0 *	7.2 *	5.3 *	10.9	10.9
SHASTA	4.4 *	5.7 *	15.4	13.5	21.3	24.0
SIERRA	0.0 +	-	5.6 *	7.0 *	7.0 *	20.5 *
SISKIYOU	4.7 *	6.7 *	13.1 *	18.7 *	18.3 *	12.4 *
SOLANO	5.3	6.9	9.0	8.3	7.4	8.4
SONOMA	3.5 *	2.2 *	8.3	6.1	11.1	11.2
STANISLAUS	5.8	6.8	8.6	9.1	18.3	18.5
SUTTER	6.4 *	5.3 *	15.1 *	11.5 *	6.7 *	7.4 *
TEHAMA	3.7 *	5.3 *	11.5 *	9.6 *	11.5 *	12.5 *
TRINITY	7.8 *	5.0 *	30.8 *	30.7 *	15.4 *	23.1 *
TULARE	6.8	9.0	10.7	13.0	9.6	12.3
TUOLUMNE	3.5 *	2.6 *	13.5 *	20.6 *	19.6 *	25.3 *
VENTURA	4.0	4.1	7.8	7.5	9.8	9.7
YOLO	2.1 *	1.7 *	6.8 *	4.4 *	8.5 *	6.2 *
YUBA	4.0 *	5.7 *	13.3 *	14.3 *	4.6 *	6.0 *

**TABLE 30 (continued)**  
**A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES**  
**AMONG SELECTED HEALTH STATUS INDICATORS**  
**CALIFORNIA COUNTIES, 2001-2006**

COUNTY	MORBIDITY RATE		MORBIDITY RATE		MORBIDITY RATE	
	REPORTED INCIDENCE OF AIDS (AGED 13 AND OVER) (THREE-YEAR AVERAGES) <sup>4</sup>		REPORTED INCIDENCE OF CHLAMYDIA (THREE-YEAR AVERAGES) <sup>4</sup>		REPORTED INCIDENCE OF GONORRHEA (THREE-YEAR AVERAGES) <sup>4</sup>	
	2001-2003	2004-2006	2001-2003	2004-2006	2001-2003	2004-2006
<b>CALIFORNIA</b>	<b>15.6</b>	<b>12.2</b>	<b>309.6</b>	<b>350.6</b>	<b>69.4</b>	<b>88.7</b>
ALAMEDA	18.8	14.8	328.4	366.1	130.1	137.9
ALPINE	-	-	130.1 *	51.0 *	-	-
AMADOR	3.1 *	3.9 *	70.8	115.4	3.6 *	21.0 *
BUTTE	6.3 *	4.2 *	218.6	318.0	31.3	59.6
CALAVERAS	3.6 *	2.5 *	71.4	76.1	9.4 *	24.4 *
COLUSA	-	-	131.2	172.3	18.5 *	23.3 *
CONTRA COSTA	10.5	8.4	245.8	283.4	63.4	78.9
DEL NORTE	5.6 *	5.3 *	98.5	88.6	4.7 *	6.8 *
EL DORADO	4.3 *	0.9 *	111.1	132.5	8.4 *	11.6
FRESNO	9.1	6.6	541.8	559.4	119.1	146.5
GLENN	9.2 *	1.4 *	174.3	193.8	3.7 *	15.2 *
HUMBOLDT	6.8 *	6.3 *	256.2	256.2	23.1	24.9
IMPERIAL	6.7 *	9.5 *	296.0	272.8	31.1	31.4
INYO	2.1 *	4.1 *	103.4	144.9	5.3 *	21.2 *
KERN	16.9	14.5	434.3	509.6	115.1	150.9
KINGS	6.8 *	7.4 *	393.4	400.3	45.8	78.3
LAKE	8.3 *	4.2 *	177.0	166.2	3.3 *	24.6 *
LASSEN	6.8 *	4.3 *	107.7	113.7	7.8 *	24.2 *
LOS ANGELES	22.0	15.8	379.2	411.0	86.2	107.2
MADERA	9.4 *	2.9 *	339.9	471.1	47.8	101.0
MARIN	15.6	10.9	112.1	209.1	23.8	28.3
MARIPOSA	-	-	68.1 *	89.2 *	17.0 *	23.7 *
MENDOCINO	7.2 *	5.7 *	201.4	209.1	17.3 *	21.8
MERCED	6.0 *	3.2 *	296.2	409.3	40.3	97.3
MODOC	-	-	79.0 *	94.5 *	3.4 *	16.3 *
MONO	2.9 *	2.8 *	49.5 *	86.9 *	2.5 *	16.9 *
MONTEREY	7.8	7.0	289.2	303.0	32.0	47.4
NAPA	5.0 *	4.5 *	91.8	161.0	8.0 *	21.4
NEVADA	2.0 *	2.3 *	105.1	116.5	5.2 *	9.1 *
ORANGE	8.9	7.7	199.1	238.1	25.4	34.8
PLACER	2.5 *	1.8 *	100.9	166.2	12.6	20.6
PLUMAS	9.1 *	-	59.9 *	117.4	9.5 *	20.1 *
RIVERSIDE	15.1	11.3	224.1	234.1	41.7	46.0
SACRAMENTO	10.3	8.0	369.4	503.4	111.3	152.6
SAN BENITO	4.6 *	0.7 *	183.5	225.4	18.9 *	67.2
SAN BERNARDINO	9.2	8.9	342.5	390.6	85.6	104.2
SAN DIEGO	18.8	16.5	335.4	369.1	67.6	84.6
SAN FRANCISCO	72.6	62.2	408.8	482.4	252.3	297.9
SAN JOAQUIN	12.4	9.7	374.0	432.2	97.5	119.3
SAN LUIS OBISPO	8.6 *	6.5 *	168.4	202.5	14.7	15.6
SAN MATEO	7.5	4.4	182.0	216.5	28.6	37.1
SANTA BARBARA	7.4	7.2	236.5	259.5	19.5	21.8
SANTA CLARA	8.7	7.1	254.4	313.9	34.3	58.4
SANTA CRUZ	7.4 *	5.6 *	216.0	227.4	18.8	32.5
SHASTA	2.6 *	5.7 *	289.8	282.3	19.0	28.2
SIERRA	-	-	54.1 *	27.1 *	-	9.0 *
SISKIYOU	1.7 *	1.7 *	169.0	227.6	9.6 *	21.0 *
SOLANO	17.5	13.7	307.9	380.5	60.8	84.0
SONOMA	12.2	12.4	136.0	155.9	17.0	29.4
STANISLAUS	6.5	5.5	286.3	367.6	45.0	104.2
SUTTER	1.5 *	6.1 *	198.9	227.6	40.5	64.1
TEHAMA	2.1 *	2.0 *	184.0	247.2	4.0 *	31.2
TRINITY	-	-	71.7 *	99.7 *	4.9 *	11.6 *
TULARE	4.8 *	3.5 *	408.4	430.2	37.6	102.6
TUOLUMNE	4.1 *	2.0 *	103.9	142.8	5.9 *	16.8 *
VENTURA	5.6	5.1	174.7	175.8	18.9	20.5
YOLO	5.9 *	2.8 *	189.0	256.9	20.4	32.6
YUBA	4.0 *	1.2 *	307.8	299.1	46.8	86.8

**TABLE 30 (continued)**  
**A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES**  
**AMONG SELECTED HEALTH STATUS INDICATORS**  
**CALIFORNIA COUNTIES, 2001-2006**

COUNTY	MORBIDITY RATE		MORTALITY RATE		PERCENT	
	REPORTED INCIDENCE OF TUBERCULOSIS (THREE-YEAR AVERAGES) <sup>4</sup>		INFANT MORTALITY, ALL RACE/ETHNIC GROUPS (THREE-YEAR AVERAGES) <sup>5</sup>		LOW BIRTHWEIGHT INFANTS (THREE-YEAR AVERAGES) <sup>6</sup>	
	2001-2003	2004-2006	2000-2002	2003-2005	2001-2003	2004-2006
<b>CALIFORNIA</b>	<b>9.2</b>	<b>7.8</b>	<b>5.5</b>	<b>5.4</b>	<b>6.4</b>	<b>6.8</b>
ALAMEDA	13.4	10.2	4.9	4.9	7.0	7.2
ALPINE	-	-	-	-	2.7 *	-
AMADOR	-	-	4.0 *	7.1 *	5.3 *	4.1 *
BUTTE	1.9 *	1.5 *	5.3 *	7.1 *	5.8	5.9
CALAVERAS	0.8 *	-	6.2 *	4.9 *	5.0 *	7.0
COLUSA	5.0 *	3.1 *	4.0 *	3.8 *	3.5 *	4.3 *
CONTRA COSTA	8.6	5.6	4.5	4.1	6.9	6.9
DEL NORTE	1.2 *	-	5.7 *	9.9 *	4.3 *	6.0
EL DORADO	1.6 *	2.1 *	5.1 *	3.0 *	6.3	6.1
FRESNO	12.4	8.7	6.4	7.4	6.7	7.1
GLENN	3.7 *	1.2 *	2.5 *	1.6 *	5.2	4.4
HUMBOLDT	3.9 *	2.3 *	7.0 *	6.4 *	5.3	6.4
IMPERIAL	17.5	19.4	5.1 *	4.1 *	5.3	6.1
INYO	3.6 *	-	7.7 *	14.6 *	5.6 *	8.4 *
KERN	7.3	5.1	6.8	6.4	6.6	7.1
KINGS	4.9 *	3.2 *	5.7 *	6.6 *	6.1	6.6
LAKE	1.6 *	2.1 *	6.6 *	4.8 *	6.7	6.4
LASSEN	-	1.9 *	11.1 *	3.4 *	5.9 *	5.5 *
LOS ANGELES	10.9	9.5	5.4	5.3	6.8	7.3
MADERA	9.5 *	4.0 *	6.5 *	4.6 *	6.4	6.0
MARIN	5.8 *	3.8 *	2.8 *	3.4 *	6.2	6.2
MARIPOSA	-	-	9.8 *	2.5 *	6.7 *	4.6 *
MENDOCINO	5.6 *	2.6 *	8.1 *	6.9 *	5.3	6.9
MERCED	7.0 *	3.4 *	5.7	6.2	6.3	6.1
MODOC	-	-	-	3.9 *	6.8 *	5.3 *
MONO	-	-	9.2 *	6.5 *	7.4 *	8.7 *
MONTEREY	9.4	7.5	5.8	5.4	5.8	6.2
NAPA	3.9 *	4.2 *	4.1 *	3.8 *	5.4	6.1
NEVADA	0.7 *	1.7 *	1.7 *	3.7 *	5.6	6.1
ORANGE	8.5	7.5	4.8	4.5	6.0	6.3
PLACER	2.2 *	1.4 *	5.8 *	4.6 *	5.5	5.6
PLUMAS	-	-	8.3 *	-	7.3 *	4.8 *
RIVERSIDE	4.1	3.6	6.1	6.1	6.0	6.5
SACRAMENTO	9.9	9.7	5.9	5.7	6.6	7.1
SAN BENITO	6.5 *	1.7 *	4.3 *	3.4 *	4.7	5.7
SAN BERNARDINO	3.9	3.2	7.5	7.0	6.8	7.1
SAN DIEGO	11.0	10.3	5.3	5.2	6.1	6.6
SAN FRANCISCO	20.7	16.2	4.4	3.7	7.1	7.0
SAN JOAQUIN	9.4	10.4	7.4	6.6	6.6	6.8
SAN LUIS OBISPO	3.3 *	1.5 *	4.4 *	5.5 *	5.5	6.4
SAN MATEO	9.2	9.0	4.4	4.5	6.3	6.7
SANTA BARBARA	6.6	4.7	4.8	4.8	6.4	6.6
SANTA CLARA	13.5	11.9	4.0	4.2	6.2	6.6
SANTA CRUZ	2.8 *	3.2 *	4.2 *	4.7 *	5.2	5.5
SHASTA	3.1 *	2.8 *	6.8 *	6.1 *	5.6	6.4
SIERRA	-	-	-	11.9 *	5.6 *	3.0 *
SISKIYOU	-	0.7 *	2.4 *	9.1 *	7.4	7.2
SOLANO	7.4	8.5	5.6	5.1	6.7	7.3
SONOMA	2.8 *	3.1 *	4.5	3.8	5.2	5.7
STANISLAUS	4.0	3.0 *	7.4	6.7	6.5	6.5
SUTTER	6.8 *	1.5 *	3.8 *	3.8 *	5.8	5.8
TEHAMA	2.3 *	3.8 *	5.9 *	6.0 *	5.5	5.3
TRINITY	-	2.3 *	3.3 *	11.9 *	7.4 *	4.5 *
TULARE	4.3 *	4.6	6.5	5.4	5.7	6.2
TUOLUMNE	0.6 *	0.6 *	5.4 *	7.2 *	4.4	5.6
VENTURA	8.1	7.2	5.1	6.4	6.1	6.7
YOLO	3.9 *	3.0 *	6.2 *	3.8 *	5.4	5.5
YUBA	6.3 *	4.3 *	8.0 *	5.8 *	7.3	6.4

**TABLE 30 (continued)**  
**A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES**  
**AMONG SELECTED HEALTH STATUS INDICATORS**  
**CALIFORNIA COUNTIES, 2001-2006**

COUNTY	AGE-SPECIFIC BIRTH RATE		PERCENT		PERCENT BREASTFED	
	BIRTHS AMONG ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD (THREE-YEAR AVERAGES) <sup>7</sup>		ADEQUATE/ADEQUATE PLUS PRENATAL CARE (THREE-YEAR AVERAGES) <sup>6</sup>		BIRTHS WITH KNOWN FEEDING METHOD (THREE-YEAR AVERAGES) <sup>6</sup>	
	2001-2003	2004-2006	2001-2003	2004-2006	2001-2003	2004-2006
<b>CALIFORNIA</b>	<b>41.2</b>	<b>37.8</b>	<b>77.7</b>	<b>78.5</b>	<b>85.1</b>	<b>86.3</b>
ALAMEDA	31.0	27.3	80.6	78.6	91.3	93.4
ALPINE	17.2 *	13.9 *	81.1 *	52.9 *	100.0 *	81.5 *
AMADOR	26.5	22.1	69.6	83.5	86.7	88.6
BUTTE	31.6	29.5	75.1	73.7	86.1	86.6
CALAVERAS	22.4	20.8	71.1	75.7	87.4	88.5
COLUSA	48.8	43.1	71.4	76.8	83.0	84.9
CONTRA COSTA	24.9	23.4	79.5	76.4	91.1	92.6
DEL NORTE	51.4	40.9	78.6	74.4	90.9	90.8
EL DORADO	21.1	17.0	72.5	66.8	91.6	93.0
FRESNO	61.4	56.3	84.9	85.0	82.4	84.6
GLENN	44.4	42.5	78.9	78.4	87.9	88.2
HUMBOLDT	27.5	30.1	66.8	69.6	91.6	91.5
IMPERIAL	60.6	57.2	66.6	63.5	79.4	82.9
INYO	31.7	36.4	67.6	62.7	89.8	93.0
KERN	63.4	62.2	76.6	73.1	80.4	81.5
KINGS	68.1	67.0	69.7	70.4	72.1	73.0
LAKE	41.9	39.4	65.9	65.7	85.6	87.7
LASSEN	29.1	29.6	81.8	73.3	90.1	89.1
LOS ANGELES	44.7	39.7	81.3	83.5	81.3	83.0
MADERA	70.0	62.3	73.8	71.1	82.7	85.7
MARIN	10.9	11.8	88.7	91.6	96.8	97.8
MARIPOSA	22.2 *	23.2 *	61.9	70.2	88.8	91.3
MENDOCINO	40.0	34.9	66.1	70.4	90.7	92.3
MERCED	56.7	55.2	56.4	54.2	82.7	84.4
MODOC	23.3 *	22.6 *	66.2	52.3	94.3	91.6
MONO	24.0 *	31.7 *	75.8	72.9	91.5	93.8
MONTEREY	59.8	57.4	76.3	74.4	93.3	94.1
NAPA	28.4	29.0	70.0	75.9	93.2	93.5
NEVADA	18.4	16.8	69.8	70.4	93.9	95.3
ORANGE	32.8	29.8	83.6	85.1	85.7	84.8
PLACER	19.3	16.1	79.5	78.7	91.6	92.3
PLUMAS	23.5 *	17.6 *	66.8	59.2	92.6	93.4
RIVERSIDE	45.9	41.2	74.6	76.3	80.2	83.9
SACRAMENTO	38.8	36.7	74.5	74.1	82.8	84.5
SAN BENITO	39.9	34.6	59.8	65.7	89.6	90.5
SAN BERNARDINO	49.1	45.6	75.7	76.1	77.2	80.4
SAN DIEGO	39.5	35.1	72.4	74.0	90.4	90.2
SAN FRANCISCO	26.1	21.5	79.6	81.6	91.3	93.5
SAN JOAQUIN	51.4	49.5	63.9	64.3	81.3	83.9
SAN LUIS OBISPO	21.9	20.0	79.8	82.3	94.3	94.2
SAN MATEO	25.2	22.1	82.6	85.1	94.8	95.3
SANTA BARBARA	41.0	41.9	76.4	79.3	92.7	93.2
SANTA CLARA	29.6	26.6	74.6	77.5	93.2	93.5
SANTA CRUZ	32.1	31.9	79.2	83.7	95.7	96.3
SHASTA	41.0	34.3	77.2	71.3	91.2	92.2
SIERRA	12.9 *	5.8 *	74.6 *	59.1 *	92.9 *	97.9 *
SISKIYOU	32.9	35.6	68.4	68.7	91.0	90.6
SOLANO	33.7	29.4	69.8	70.4	85.7	87.0
SONOMA	26.8	26.1	70.3	69.9	93.9	94.9
STANISLAUS	48.0	44.9	66.8	70.2	82.3	83.1
SUTTER	45.7	43.0	72.8	74.5	83.3	82.0
TEHAMA	45.3	45.7	76.4	69.3	86.7	89.8
TRINITY	32.4 *	16.4 *	60.3	61.1	92.3	92.8
TULARE	69.8	63.5	72.2	74.1	79.9	80.2
TUOLUMNE	23.7	21.9	72.8	78.4	90.3	90.9
VENTURA	35.4	34.3	83.1	77.9	89.0	89.8
YOLO	22.4	22.2	67.2	73.7	89.1	91.0
YUBA	65.8	55.6	69.4	71.1	77.8	79.4

\* Unreliable, relative standard error greater than or equal to 23 percent.

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

<sup>1</sup> Age-adjusted death rates are per 100,000 population.

<sup>2</sup> The age-adjusted death rates for years 2001-2006 were calculated using the 2000 Population Standard; thus, rates may not be consistent with previous "Profiles" reports.

<sup>3</sup> Excludes multiple/contributing causes of death.

<sup>4</sup> Crude case rates are per 100,000 population.

<sup>5</sup> Birth cohort rates are per 1,000 live births.

<sup>6</sup> Low birthweight, prenatal care, and breastfeeding percents per 100 live births.

<sup>7</sup> Adolescent birth rates per 1,000 female population aged 15 to 19 years.

Source: California Department of Public Health, Center for Health Statistics: Birth and Death Statistical Master Files (2001-2006) and Birth Cohort Files (2000-2005).

California Department of Public Health, Office of AIDS, AIDS Case Registry, Genetic Disease Branch, Maternal, Child and Adolescent Health/Office of Family Planning Branch, and Division of Communicable Disease. Department of Finance: 2002 and 2005 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## TECHNICAL NOTES

### DATA SOURCES

The California Department of Public Health (CDPH), Center for Health Statistics, Office of Vital Records, was the source for the birth and death data that appear in this report. Data were tabulated from the Birth and Death Statistical Master Files for the years 2001 through 2006, and from the linked births-deaths in the Birth Cohort-Perinatal Outcome Files for the years 2000 through 2005, which are based on the Statistical Master Files. Final Birth Cohort-Perinatal Outcome File data for 2003 were not available for the publishing of the 2006 report; however, the 2003 final data are included in this report. Therefore, slight variations may be encountered when comparing previously published statistics that were based on 2003 preliminary data.

The CDPH, Division of Communicable Disease Control was the source for the reported case incidence of chlamydia, gonorrhea, and tuberculosis. The CDPH, Office of AIDS, AIDS Case Registry provided incidence data of diagnosed AIDS cases. The CDPH, Genetic Disease Branch, Newborn Screening Program collected the breastfeeding incidence data and the Maternal, Child and Adolescent Health/Office of Family Planning Branch, Epidemiology and Evaluation Section analyzed these data.

The population data are provided on the Internet by the Department of Finance, Demographic Research Unit. Estimates of persons under age 18 who were below poverty are from the U.S. Census Bureau at <http://www.census.gov/hhes/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): A consistent 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. Use of ICD-10 cause of death coding began with 1999 mortality data, which were included in the 2001 publication. "Profiles" reports published from 1993 through 2000 used the International Classification of Diseases, Ninth Revision (ICD-9) for coding cause of death. The change to ICD-10 follows a worldwide standard created by the World Health Organization. The National Center for Health Statistics (NCHS) set the standards for implementation of the ICD-10. Readers and users of these data are cautioned that mortality tables using ICD-9 may not be comparable and should not be used to create trend data.

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 (Colon) 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 Disease (Stroke).....	I60-I69
Table 11:	Influenza/Pneumonia.....	J10-J18
Table 12:	Chronic Lower Respiratory Disease .....	J40-J47
Table 13:	Chronic Liver Disease and Cirrhosis .....	K70, K73-K74
Table 14:	Unintentional Injuries .....	V01-X59, Y85-Y86
Table 15:	Motor Vehicle Crashes .....	V02-V04 (.1, .9), V09.2, V12-V14 (.3-.9), V19 (.4-.6), V20-V28 (.3-.9), V29- V79 (.4-.9), V80 (.3-.5), V81.1, V82.1, V83- V86 (.0-.3), V87 (.0-.8), V89.2
Table 16:	Suicide.....	U03, X60-X84, Y87.0
Table 17:	Homicide .....	U01-U02, X85-Y09, Y87.1
Table 18:	Firearm-Related Deaths .....	U01.4, W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0
Table 19:	Drug-Induced Deaths .....	D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, L10.5, L27.0-L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R78.1-R78.5 X40-X44, X60-X64, X85, Y10-Y14

**Morbidity** (Tables 20-23): In general, the case definition of a disease is in terms of laboratory test results, or in the absence of a laboratory test, a constellation of clearly specified signs and symptoms that meet a series of clinical criteria. Case definitions may be found online at the CDC Nationally Notifiable Infectious Diseases URL: [http://www.cdc.gov/epo/dphsi/casedef/case\\_definitions.htm](http://www.cdc.gov/epo/dphsi/casedef/case_definitions.htm).

Due to incomplete reporting of infectious and communicable diseases by many health care providers, caution is advised in interpreting morbidity tables. Many factors contribute to the underreporting of these diseases. These factors include lack of awareness regarding disease surveillance, lack of follow-up by support staff assigned to report, failure to perform diagnostic lab tests to confirm or rule out infectious etiology, concern for anonymity of the client, and expedited treatment in lieu of waiting for laboratory results because of time or cost constraints. Therefore, the morbidity table headings emphasize that data show only reported cases. County designation reflects residence county, except for tuberculosis which reflects reporting county (pages 47, 48, and 78). For more complete and technical definitions on morbidity reporting, contact the Division of Communicable Disease Control or the Office of AIDS.

**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 is the race of the mother, thus both the numerator and the denominator used for rate calculations reflect the mother's race only.

Since delayed 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 nearly complete and accurate.

**Race/Ethnicity:** Tables 24A-24E align with the 1997 Office of Management and Budget (OMB) revised minimum standards for collecting, maintaining, and presenting data on race and ethnicity as described in the 1997 OMB Directive 15, which may be reviewed at URL: <http://www.whitehouse.gov/omb/fedreg/ombdir15.html>. 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, although Table 24E White Infant Mortality now excludes data for the Not Stated and Unknown race groups included in previous reports, the relatively small number of these events in this large group may not substantially impact a county's rate. American Indian/Alaska Native and Not Stated/Unknown race groups are not shown independently due to unreliable rates, but are included in Table 24A Infant Mortality, All Race/Ethnic Groups.

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

**Nativity** (Tables 25-27B): The natality data were obtained from Birth Statistical Master Files for 2004 through 2006. 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 for the course of 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 initiation of prenatal care and adequacy of received services (once prenatal care has begun). The initial dimension, adequacy of initiation of prenatal care, characterizes the adequacy of the timing of initiation of care (month prenatal care began). The second dimension, adequacy of received services, characterizes the adequacy of prenatal care visits (number of visits) received during the time the mother was actually in prenatal care (from initiation until the 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 are 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): Extensive research, especially in recent years, 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. The breastfeeding initiation data presented in this report were obtained from the Genetic Disease Branch, Newborn Screening Program with analyses by the Maternal, Child and Adolescent Health/Office of Family Planning Branch, Epidemiology and Evaluation Section. All nonmilitary hospitals are required to complete the Newborn Screening Test Form prior to an infant’s discharge. Upon completing the form, staff must select one of the following five categories to describe ‘all feedings since birth’ (not including water feedings): (1) Breast only, (2) Formula only, (3) Breast and Formula, (4) TPN/Hyperal, and (5) Other. The numerator (average number of breastfed infants) for breastfeeding initiation data presented in Table 28 includes records marked as either “Breast Only” or “Breast and Formula.” The denominator (average number of total births) excludes cases with unknown method of feeding (not reported) and cases marked as “TPN/Hyperal” or “Other.”

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 the population under 18 below 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.

**Comparison of Rates and Percentages, Current and Prior Period** (Table 30): Rates and percentages have been calculated for one prior period to facilitate a comparison of the change occurring between the prior 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 available online at <http://www.cdc.gov/nchs/hphome.htm>.

## **CRUDE RATES AND AGE-ADJUSTED RATES**

The numerator data used to compute rates and percentages were three-year averages compiled by county of residence of the decedent for the mortality tables; county of residence of the mother for birth data (including linked birth-death data for infant mortality); and county of occurrence for morbidity data, except for AIDS, which was compiled by county of residence. Three-year averages tend to reduce the year-to-year fluctuations and increase the stability of estimates of vital events.

A non-standardized rate (or "crude rate") is calculated by dividing the total number of vital 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 tend to have a high death rate. Any unwanted effect of different age compositions among counties or other demographic groups can be removed from the county death rates by the process of "age-adjustment." By removing the effect of different age compositions, counties with age-adjusted rates are directly comparable with the HP 2010 National Objectives.

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 effect 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. Comparisons among counties reflect the actual risk of dying within one year of birth in the cohort of births, and at the same time, are unaffected by confounding of different age compositions because the cohorts are all of 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 to calculate the rate. Small frequencies in the occurrence of events result in 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 vital events is especially hazardous, regardless of the size of the population. This report reduces some year-to-year fluctuation in the occurrence of rare events by basing rates on three-year average numbers of vital events (e.g., 2004-2006), divided by the population in the middle year (e.g., 2005).

The "standard error" of a death rate and "coefficient of variation" (or relative standard error) provide a rational basis for determining which rates may be considered "unreliable." Conforming to NCHS standards, rates and percentages with a relative standard error greater than or equal to 23 percent of the rate or percent are considered unreliable and are marked with an asterisk (\*). 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. 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 on each health indicator, except adequacy of prenatal care (Table 27B) and incidence of breastfeeding (Table 28), are displayed with the counties in rank order by increasing rates or percentages (calculated to 15 decimal places). The county with the lowest rate or percentage is in the first rank while the county with the highest rate or percentage is in the fifty-eighth rank. Data for adequacy of prenatal care and incidence of breastfeeding are

displayed with the counties in rank order by decreasing percentages (calculated to 15 decimal places). A county having 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.

## **THEMATIC MAP**

ArcGIS, version 9, 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 unreliable rates or percentages (relative standard error greater than or equal to 23 percent) or zero events 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 Objective in the lightest shade, counties with a rate between the California rate and the Objective target in the medium shade, and counties with a rate above the California rate in the darkest shade (see the Colorectal [colon] Cancer map and table on pages 7 and 8).

Rates/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.

## **THEMATIC MAP METHODOLOGY EXCEPTIONS**

Age-adjusted death rates for chronic liver disease and cirrhosis (pages 27 and 28) and unintentional injuries (pages 29 and 30) are arrayed by counties having rates at or below the California rate with the remaining counties above California's rate divided into two groups by the fiftieth percentile break among those counties. The HP 2010 target rate was not met by any of California's counties.

Asian/Pacific Islander infant mortality race group rates (pages 51 and 52) are arrayed by counties having rates at or below the California rate, by counties with rates above California's rate but within the HP 2010 target rate, and by counties with rates above the HP 2010 target rate. In contrast, White infant mortality race group rates (pages 57 and 58) are arrayed in two categories by counties with rates equal to or lower than the HP 2010 target rate and those counties not meeting the HP 2010 target rate.

Percentages for breastfeeding initiation (pages 67 and 68) are arrayed by counties with percentages equal to or above the California percentage, by counties equal to or above the HP 2010 Objective target percentage but below California's percentage, and by counties whose percentages did not meet the HP 2010 target percentage. All of California's counties, except Kings County, met the HP 2010 Objective.

## 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<sub>a</sub> = Population Size in Same Age Group
- B = Base (100,000)
- $W_a$  = Age-Specific Weight (Standard Population Proportion)
- SE<sub>x</sub> = Standard Error of a Crude Death Rate
- RSE<sub>x</sub> = Relative Standard Error of a Crude Death Rate
- SE<sub>y</sub> = Standard Error of an Age-Adjusted Death Rate
- RSE<sub>y</sub> = Relative Standard Error of an Age-Adjusted Death Rate
- CL = Confidence Limit

## 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, 2004-2006 for Alameda County.

ALAMEDA COUNTY					
AGE GROUPS	2004-2006 DEATHS (AVERAGE)	2005 POPULATION	AGE-SPECIFIC RATE/100,000	2000 U.S. STANDARD POPULATION PROPORTIONS	WEIGHTED RATE FACTORS
	(A)	(B)	(C)	(D)	(E)
TOTAL	9,284.7	1,500,324	618.8		
Unknown	1.7				
<1	102.7	20,350	504.5	0.013818	7.0
1-4	15.7	84,770	18.5	0.055317	1.0
5-14	26.3	197,727	13.3	0.145565	1.9
15-24	135.3	190,708	71.0	0.138646	9.8
25-34	187.7	225,435	83.2	0.135573	11.3
35-44	339.0	250,430	135.4	0.162613	22.0
45-54	795.7	219,947	361.8	0.134834	48.8
55-64	1,080.3	152,951	706.3	0.087247	61.6
65-74	1,396.7	79,957	1,746.8	0.066037	115.4
75-84	2,472.0	55,384	4,463.4	0.044842	200.1
>84	2,731.7	22,665	12,052.4	0.015508	186.9
<b>AGE-ADJUSTED RATE-----</b>					<b>665.9</b>

- 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 688.2 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

### COMPARISON OF CALIFORNIA'S HEALTH STATUS PROFILES 2008 REPORT WITH U.S. RATES

HP2010 OBJECTIVE	INDICATOR	NATIONAL OBJECTIVE	UNITED STATES <sup>1,2</sup>	CALIFORNIA	CALIFORNIA vs UNITED STATES (% Difference)
<b>MORTALITY (per 100,000 population)</b>					
	ALL CAUSES	a	798.8	697.5	-12.7%
3-1	ALL CANCERS	158.6	183.8	161.3	-12.2%
3-5	COLORECTAL (COLON) CANCER	13.7	17.5	15.4	-12.0%
3-2	LUNG CANCER	43.3	52.6	40.2	-23.6%
3-3	FEMALE BREAST CANCER	21.3	24.1	22.1	-8.3%
3-7	PROSTATE CANCER	28.2	24.5	22.9	-6.5%
5-5	DIABETES	b	24.6	22.1	-10.2%
	ALZHEIMER'S DISEASE	a	22.9	23.1	0.9%
12-1	CORONARY HEART DISEASE	162.0	154.0	154.0	0.0%
12-7	CEREBROVASCULAR DISEASE (STROKE)	50.0	47.0	47.8	1.7%
	INFLUENZA/PNEUMONIA	a	20.3	22.4	10.3%
	CHRONIC LOWER RESPIRATORY DISEASE	a	43.2	39.2	-9.3%
26-2	CHRONIC LIVER DISEASE AND CIRRHOSIS	3.2	9.0	10.6	17.8%
15-13	UNINTENTIONAL INJURIES	17.1	39.1	30.2	-22.8%
15-15a	MOTOR VEHICLE CRASHES	8.0	14.6	11.9	-18.5%
18-1	SUICIDE	4.8	10.9	9.0	-17.4%
15-32	HOMICIDE	2.8	6.1	6.8	11.5%
15-3	FIREARM-RELATED DEATHS	3.6	10.2	9.2	-9.8%
26-3	DRUG-INDUCED DEATHS	1.2	11.3	10.3	-8.8%
<b>MORBIDITY (per 100,000 population)</b>					
13-1	AIDS INCIDENCE (AGE 13 AND OVER)	1.0	16.6	12.2	-26.5%
25-1	CHLAMYDIA INCIDENCE	c	d	350.6	
25-02a	GONORRHEA INCIDENCE	19.0	114.0	88.7	-22.2%
14-11	TUBERCULOSIS INCIDENCE	1.0	4.8	7.8	62.5%
<b>INFANT MORTALITY (per 1,000 live births)</b>					
16-1c	INFANT DEATHS: ALL RACES	4.5	6.8	5.4	-20.6%
16-1c	INFANT DEATHS: ASIAN/PACIFIC ISLANDER	4.5	4.7	4.1	-12.8%
16-1c	INFANT DEATHS: BLACK	4.5	13.2	12.0	-9.1%
16-1c	INFANT DEATHS: HISPANIC	4.5	5.5	5.2	-5.5%
16-1c	INFANT DEATHS: WHITE	4.5	5.7	4.6	-19.3%
<b>NATALITY (per 100 live births; 1,000 population)</b>					
16-10a	LOW BIRTHWEIGHT INFANTS	5.0	8.2	6.8	-17.1%
16-6a	LATE OR NO PRENATAL CARE	10.0	16.0	13.5	-15.6%
16-6b	ADEQUATE/ADEQUATE PLUS CARE	90.0	75.0	78.5	4.7%
	BIRTHS TO MOTHERS AGED 15-19	a	40.5	37.8	-6.7%
<b>BREASTFEEDING (per 100 births)</b>					
16-19a	BREASTFEEDING INITIATION	75.0	73.8	86.3	16.9%
<b>CENSUS 2004</b>					
	PERSONS UNDER 18 IN POVERTY	a	18.5	17.7	-4.3%

<sup>1</sup> 2005 mortality, morbidity, and teenage birth rates. 2005 natality percentages. 2004 breastfeeding percentage.

<sup>2</sup> 2004 infant mortality (birth cohort).

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 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.

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

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.

Source: California Department of Public Health, Center for Health Statistics. Birth and Death Statistical Master Files, 2004-2006, and Birth Cohort-Perinatal Outcome Files, 2003-2005.

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