

COUNTY HEALTH STATUS PROFILES 2009

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

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COUNTY HEALTH STATUS PROFILES 2009

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ACKNOWLEDGMENTS

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

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

Winnie Dysle with the CDPH, Office of AIDS provided AIDS case incidence data.

Jan Christensen with the CDPH, CHS, OHIR, 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 with the CDPH, CHS, OHIR, prepared the Web page and data links for the Internet version of the report and county summary tables.

Loran Sheley with the CDPH, CHS, OHIR, conducted peer review of the statistical tables and thematic maps.

Cheryl Wilson with the CDPH, CHS, OHIR, conducted peer review of the statistical tables and thematic maps.

All Staff with the CDPH, CHS, who collected, coded, and edited birth and death certificates, which form the basis of the Birth and Death Statistical Master Files.

Cover Photography by **Steven Shippen**: Hope Valley, California.



MARK B HORTON, MD, MSPH
Director

State of California—Health and Human Services Agency
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ARNOLD SCHWARZENEGGER
Governor

Dear Colleague:

We are pleased to present California's **County Health Status Profiles 2009**. 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. Since a substantial revision of the health topics analyzed in 2007, there have been no significant changes to the list of indicators presented in this year's report. However, the table formerly titled "Deaths Due to Motor Vehicle Crashes" is changed to "Deaths Due to Motor Vehicle Traffic" to align with Healthy People 2010 Objective 15-15a indicators.

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

TABLE OF CONTENTS

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

TABLES WITH HIGHLIGHTS	3-79
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TABLES

HEALTH STATUS INDICATORS

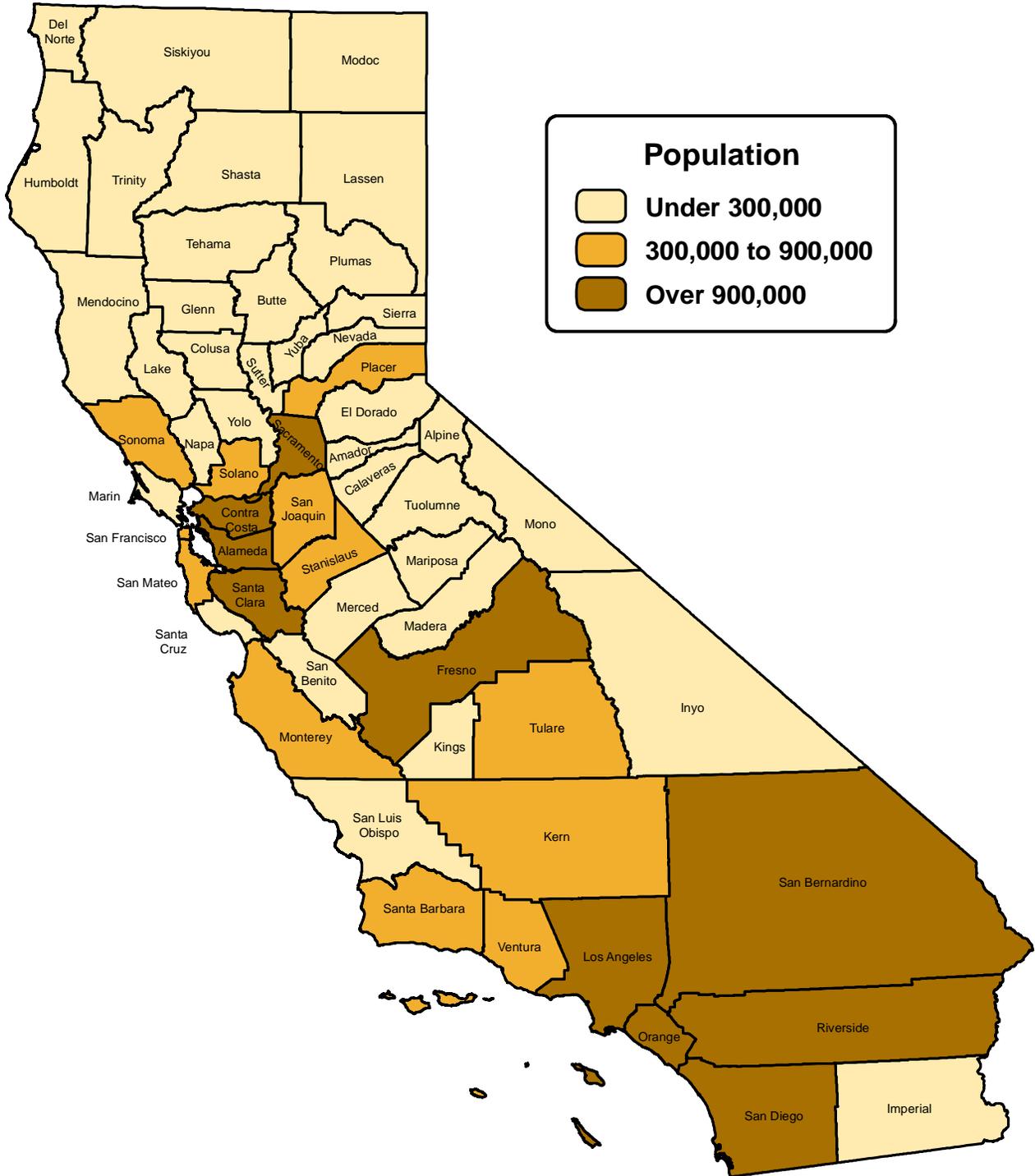
1 – 19	MORTALITY INDICATORS PER 100,000 POPULATION	
1	All Causes of Death.....	3-4
2	All Cancer Deaths	5-6
3	Colorectal (Colon) Cancer.....	7-8
4	Lung Cancer.....	9-10
5	Female Breast Cancer.....	11-12
6	Prostate Cancer	13-14
7	Diabetes	15-16
8	Alzheimer’s Disease.....	17-18
9	Coronary Heart Disease.....	19-20
10	Cerebrovascular Disease (Stroke)	21-22
11	Influenza/Pneumonia.....	23-24
12	Chronic Lower Respiratory Disease.....	25-26
13	Chronic Liver Disease and Cirrhosis.....	27-28
14	Accidents (Unintentional Injuries).....	29-30
15	Motor Vehicle Traffic.....	31-32
16	Suicide.....	33-34
17	Homicide.....	35-36
18	Firearm-Related Deaths.....	37-38
19	Drug-Induced Deaths.....	39-40
20 – 23	MORBIDITY INDICATORS PER 100,000 POPULATION	
20	Acquired Immunodeficiency Syndrome (AIDS).....	41-42
21	Chlamydia	43-44
22	Gonorrhea	45-46
23	Tuberculosis.....	47-48
24A – 24E	BIRTH COHORT INFANT MORTALITY UNDER ONE YEAR OF AGE PER 1,000 LIVE BIRTHS	
24A	Infant Mortality, All Race/Ethnic Groups.....	49-50
24B	Asian/Pacific Islander Infant Mortality	51-52
24C	Black Infant Mortality	53-54
24D	Hispanic Infant Mortality	55-56
24E	White Infant Mortality.....	57-58

TABLE OF CONTENTS (continued)

<u>TABLES</u>	<u>HEALTH STATUS INDICATORS</u>	
25 – 27B	NATALITY INDICATORS PER 100 LIVE BIRTHS OR 1,000 POPULATION	
25	Low Birthweight Infants	59-60
26	Births to Adolescent Mothers, 15-19 Years Old Per 1,000 Live Births.....	61-62
27A	Prenatal Care Not Begun During the First Trimester	63-64
27B	“Adequate/Adequate Plus” Prenatal Care	65-66
28	BREASTFEEDING INITIATION RATES PER 100 LIVE BIRTHS	
	Breastfeeding Initiation During Early Postpartum.....	67-68
29	2006 CENSUS POPULATION HEALTH INDICATOR	
	Persons Under 18 In Poverty	69-70
30	CURRENT AND PRIOR THREE-YEAR AVERAGE RATES AND PERCENTAGES BY COUNTY	
	A Comparison of Three-Year Average Rates And Percentages Among Selected Health Status Indicators	71-79
	TECHNICAL NOTES.....	80-89
	APPENDIX A	
	Comparison of California’s Health Status Profiles 2009 Rates with U.S. Rates	90
	BIBLIOGRAPHY	91
	ORDER FORM.....	92

CALIFORNIA COUNTIES

Statewide Population: 37,380,870



Source:
California Department of Finance: 2006 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 (CDPH) offices provided data for this report: Center for Health Statistics, Communicable Disease Control, Genetic Disease Screening Program, Maternal, Child and Adolescent Health Program, and the Office of AIDS. In addition, the Demographic Research Unit of the California Department of Finance (CDOF) provided 2006 race/ethnicity population estimates by county with age and sex detail. Estimates of persons under age 18 in poverty in 2006 are from the U.S. Census Bureau (<http://www.census.gov//did/www/saipe/>).

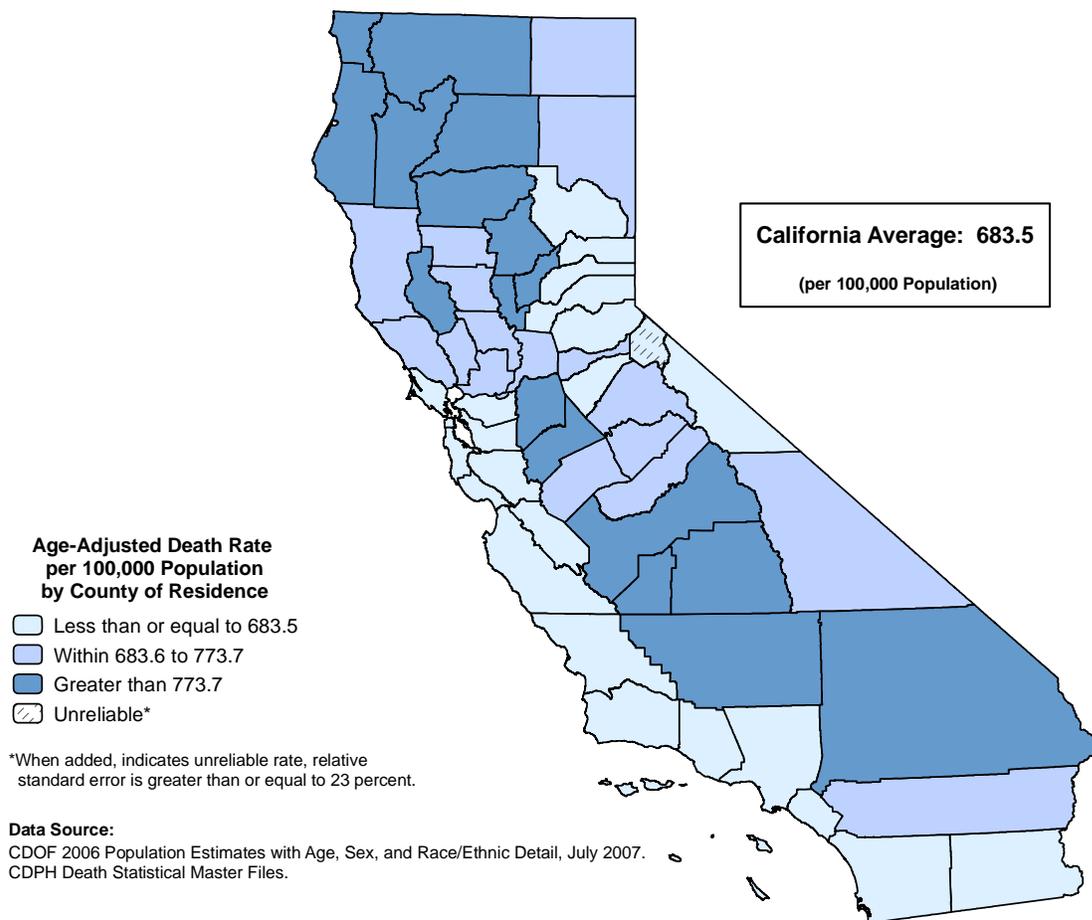
To access electronic copies of this report and prior reports, visit the California Department of Public Health, Center for Health Statistics site on the Internet at <http://www.cdph.ca.gov/programs/OHIR/Pages/CHSP.aspx>.

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

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Should you wish copies of prior (1993 to 2006) 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, 2005-2007



The crude death rate from all causes for California was 629.7 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 159 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 235,379.7 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 1,232.6 in Lake County to 304.9 in Mono County, a factor of 4.0 to 1.

The age-adjusted death rate from all causes for California during the 2005 to 2007 three-year period was 683.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 936.5 in Kern County to 341.3 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:					NONE		
1	MONO	13,886	42.3	304.9	341.3	232.7	449.9
2	ALPINE	1,321	6.0	454.2 *	414.4 *	68.8	760.0
3	SANTA CLARA	1,780,757	8,807.0	494.6	540.5	529.1	551.8
4	MARIN	252,859	1,807.7	714.9	555.3	529.1	581.5
5	SIERRA	3,680	33.3	905.8	574.1	370.8	777.5
6	SAN MATEO	726,068	4,602.7	633.9	578.5	561.6	595.4
7	SAN BENITO	57,578	254.7	442.3	584.2	511.3	657.1
8	MONTEREY	422,015	2,311.3	547.7	598.3	573.8	622.8
9	CALAVERAS	45,607	414.3	908.5	615.4	552.9	678.0
10	SANTA BARBARA	419,574	2,834.3	675.5	616.8	593.9	639.7
11	SAN FRANCISCO	801,522	5,876.0	733.1	619.7	603.5	635.8
12	ORANGE	3,078,395	16,956.0	550.8	620.3	610.9	629.7
13	IMPERIAL	170,233	920.0	540.4	635.5	593.9	677.1
14	SAN LUIS OBISPO	262,799	2,099.0	798.7	639.7	611.9	667.4
15	LOS ANGELES	10,262,451	59,340.0	578.2	644.4	639.2	649.6
16	PLUMAS	21,544	207.0	960.8	650.1	558.3	741.9
17	VENTURA	820,242	4,841.7	590.3	650.2	631.7	668.6
18	ALAMEDA	1,510,695	9,301.3	615.7	655.3	641.8	668.7
19	PLACER	320,851	2,445.3	762.1	660.4	634.1	686.8
20	CONTRA COSTA	1,031,997	6,838.3	662.6	666.7	650.8	682.6
21	EL DORADO	177,647	1,270.3	715.1	669.9	632.4	707.5
22	SAN DIEGO	3,076,347	19,325.7	628.2	670.8	661.3	680.3
23	SANTA CRUZ	263,308	1,577.3	599.0	671.7	637.6	705.7
24	NEVADA	99,434	914.7	919.9	676.1	630.7	721.5
CALIFORNIA		37,380,870	235,379.7	629.7	683.5	680.7	686.2
25	COLUSA	21,916	138.0	629.7	686.4	571.3	801.6
26	MARIPOSA	18,449	179.0	970.2	694.2	589.6	798.9
27	TUOLUMNE	57,642	592.7	1,028.2	699.1	640.3	757.8
28	NAPA	135,346	1,200.0	886.6	702.6	662.0	743.1
29	MADERA	146,708	952.0	648.9	709.1	663.8	754.4
30	LASSEN	36,560	214.0	585.3	712.0	614.8	809.3
31	SONOMA	480,361	3,726.0	775.7	712.6	689.4	735.8
32	MODOC	10,336	99.3	961.0	715.3	569.8	860.7
33	INYO	18,867	202.3	1,072.4	729.2	624.3	834.2
34	AMADOR	38,522	405.0	1,051.3	731.4	658.6	804.2
35	SOLANO	422,310	2,766.7	655.1	750.9	722.6	779.3
36	YOLO	192,538	1,144.7	594.5	751.4	707.4	795.3
37	MENDOCINO	90,509	794.0	877.3	756.6	703.1	810.1
38	SACRAMENTO	1,393,959	9,835.7	705.6	765.7	750.5	780.9
39	MERCED	249,737	1,447.0	579.4	771.1	730.9	811.2
40	GLENN	29,052	235.0	808.9	771.3	672.2	870.5
41	RIVERSIDE	2,005,477	13,867.7	691.5	771.7	758.8	784.6
42	SUTTER	93,409	692.0	740.8	775.8	717.8	833.7
43	FRESNO	910,627	5,976.7	656.3	815.1	794.2	835.9
44	TRINITY	14,535	152.3	1,048.0	819.2	678.7	959.7
45	SAN JOAQUIN	673,682	4,675.0	693.9	828.3	804.4	852.2
46	TULARE	426,998	2,795.7	654.7	831.5	800.4	862.7
47	SAN BERNARDINO	2,016,983	12,248.0	607.2	833.3	818.3	848.4
48	SISKIYOU	46,220	539.7	1,167.6	834.0	760.4	907.6
49	STANISLAUS	519,676	3,657.0	703.7	835.8	808.6	863.0
50	KINGS	150,776	808.0	535.9	846.4	786.1	906.6
51	TEHAMA	61,908	618.7	999.3	846.9	779.6	914.2
52	BUTTE	217,241	2,247.3	1,034.5	852.7	816.9	888.6
53	LAKE	64,473	794.7	1,232.6	885.6	821.9	949.2
54	DEL NORTE	29,662	276.7	932.7	904.4	797.4	1,011.5
55	YUBA	72,821	536.3	736.5	905.1	827.7	982.4
56	HUMBOLDT	131,757	1,243.3	943.7	919.5	868.0	971.0
57	SHASTA	181,528	1,977.0	1,089.1	930.3	888.9	971.7
58	KERN	799,475	5,316.0	664.9	936.5	910.8	962.3

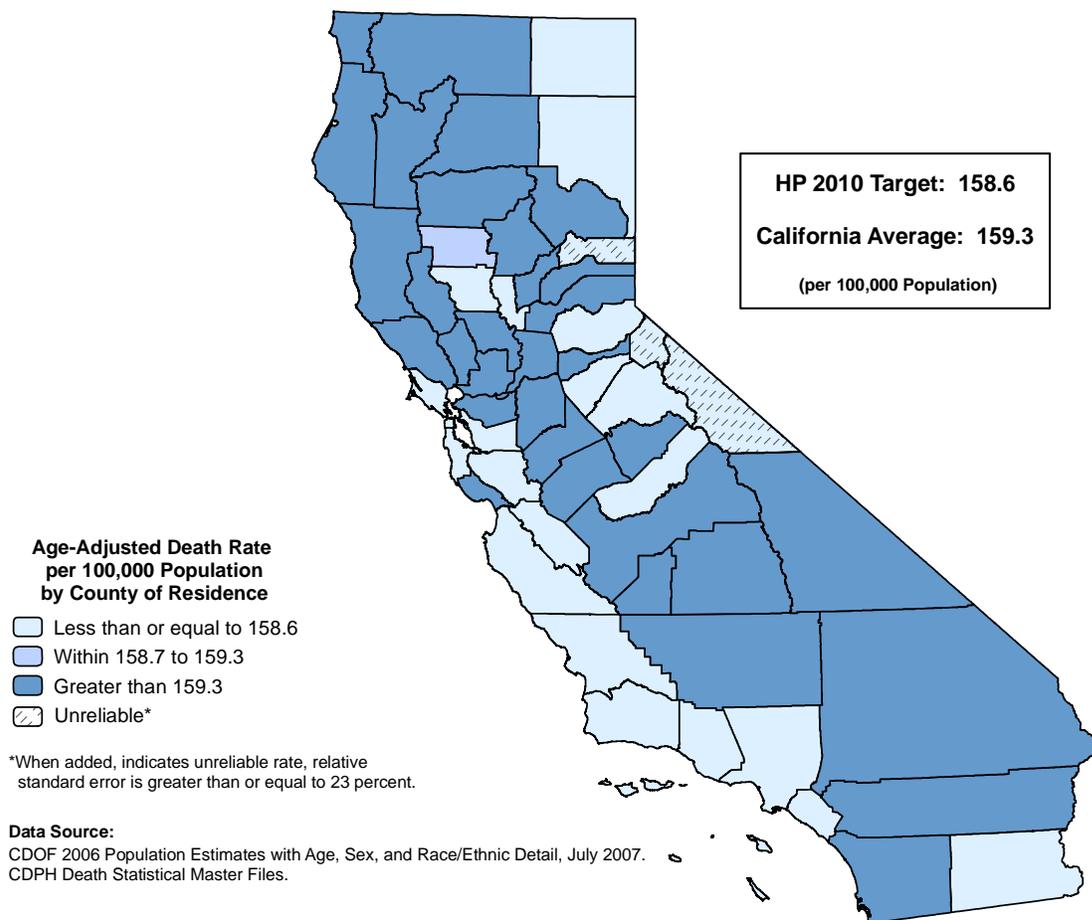
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO ALL CANCERS, 2005-2007



The crude death rate from all cancers for California was 145.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 686 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 54,524.7 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 294.7 in Lake County to 104.2 in San Benito County, a factor of 2.8 to 1.

The age-adjusted death rate from all cancers for California during the 2005 to 2007 three-year period was 159.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 206.5 in Del Norte County to 130.8 in Lassen County.

Twenty-four counties with twenty-one demonstrating reliable age-adjusted death rates met the Healthy People 2010 National Objective: 3-1, 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,321	0.3	25.2 *	16.2 *	0.0	71.0
2	MONO	13,886	11.7	84.0 *	81.0 *	32.7	129.3
3	SIERRA	3,680	7.3	199.3 *	123.3 *	32.8	213.7
4	LASSEN	36,560	40.3	110.3	130.8	89.8	171.8
5	SAN BENITO	57,578	60.0	104.2	134.0	99.5	168.5
6	MONTEREY	422,015	517.3	122.6	137.0	125.1	148.8
7	SANTA CLARA	1,780,757	2,275.0	127.8	138.5	132.8	144.3
8	COLUSA	21,916	28.0	127.8	139.7	87.7	191.7
9	SANTA BARBARA	419,574	626.3	149.3	141.3	130.2	152.5
10	MADERA	146,708	198.3	135.2	145.3	124.9	165.7
11	IMPERIAL	170,233	212.3	124.7	146.7	126.8	166.5
12	MARIN	252,859	473.7	187.3	147.2	133.8	160.7
13	MODOC	10,336	21.7	209.6	148.8	85.4	212.2
14	LOS ANGELES	10,262,451	13,661.3	133.1	149.2	146.6	151.7
15	VENTURA	820,242	1,122.3	136.8	149.6	140.7	158.4
16	CALAVERAS	45,607	108.0	236.8	150.7	121.5	180.0
17	SAN LUIS OBISPO	262,799	494.0	188.0	151.4	137.9	164.9
18	ORANGE	3,078,395	4,134.3	134.3	151.7	147.0	156.3
19	SAN MATEO	726,068	1,192.3	164.2	154.0	145.1	162.8
20	ALAMEDA	1,510,695	2,159.3	142.9	154.3	147.7	160.9
21	SAN FRANCISCO	801,522	1,431.3	178.6	155.3	147.2	163.5
22	SUTTER	93,409	140.3	150.2	155.4	129.6	181.2
23	TUOLUMNE	57,642	140.3	243.5	157.1	130.5	183.7
24	EL DORADO	177,647	312.7	176.0	157.9	140.1	175.8
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-1)					158.6		
25	GLENN	29,052	48.0	165.2	158.9	113.8	203.9
	CALIFORNIA	37,380,870	54,524.7	145.9	159.3	157.9	160.6
26	NEVADA	99,434	226.7	228.0	159.5	138.4	180.6
27	TULARE	426,998	532.0	124.6	161.0	147.2	174.7
28	PLACER	320,851	599.7	186.9	163.0	149.9	176.1
29	MENDOCINO	90,509	176.3	194.8	163.4	139.0	187.9
30	AMADOR	38,522	96.3	250.1	164.6	131.4	197.8
31	PLUMAS	21,544	55.3	256.8	164.7	120.2	209.1
32	TRINITY	14,535	36.3	250.0	164.7	110.7	218.7
33	MERCED	249,737	306.0	122.5	164.8	146.2	183.4
34	FRESNO	910,627	1,194.3	131.2	164.9	155.5	174.4
35	CONTRA COSTA	1,031,997	1,710.3	165.7	164.9	157.0	172.8
36	SAN DIEGO	3,076,347	4,704.7	152.9	166.2	161.4	171.0
37	SANTA CRUZ	263,308	377.7	143.4	166.7	149.4	184.0
38	YOLO	192,538	259.0	134.5	171.2	150.2	192.3
39	SACRAMENTO	1,393,959	2,219.7	159.2	172.2	165.0	179.4
40	INYO	18,867	48.3	256.2	175.0	124.3	225.7
41	RIVERSIDE	2,005,477	3,095.7	154.4	175.1	168.9	181.3
42	SAN BERNARDINO	2,016,983	2,622.7	130.0	175.8	169.0	182.7
43	MARIPOSA	18,449	49.0	265.6	176.8	126.5	227.1
44	STANISLAUS	519,676	769.3	148.0	177.0	164.5	189.6
45	SAN JOAQUIN	673,682	1,008.3	149.7	180.2	169.0	191.3
46	NAPA	135,346	295.0	218.0	180.2	159.4	201.1
47	KERN	799,475	1,055.0	132.0	183.3	172.0	194.5
48	KINGS	150,776	174.0	115.4	183.5	155.6	211.4
49	SOLANO	422,310	689.0	163.2	183.7	169.7	197.6
50	SONOMA	480,361	938.7	195.4	184.0	172.1	196.0
51	SISKIYOU	46,220	124.7	269.7	186.3	152.8	219.7
52	BUTTE	217,241	503.0	231.5	195.8	178.5	213.1
53	LAKE	64,473	190.0	294.7	199.1	170.3	227.9
54	HUMBOLDT	131,757	273.7	207.7	200.5	176.5	224.5
55	SHASTA	181,528	439.7	242.2	200.6	181.8	219.5
56	YUBA	72,821	121.7	167.1	203.9	167.5	240.4
57	TEHAMA	61,908	152.0	245.5	205.0	172.2	237.7
58	DEL NORTE	29,662	64.0	215.8	206.5	155.7	257.3

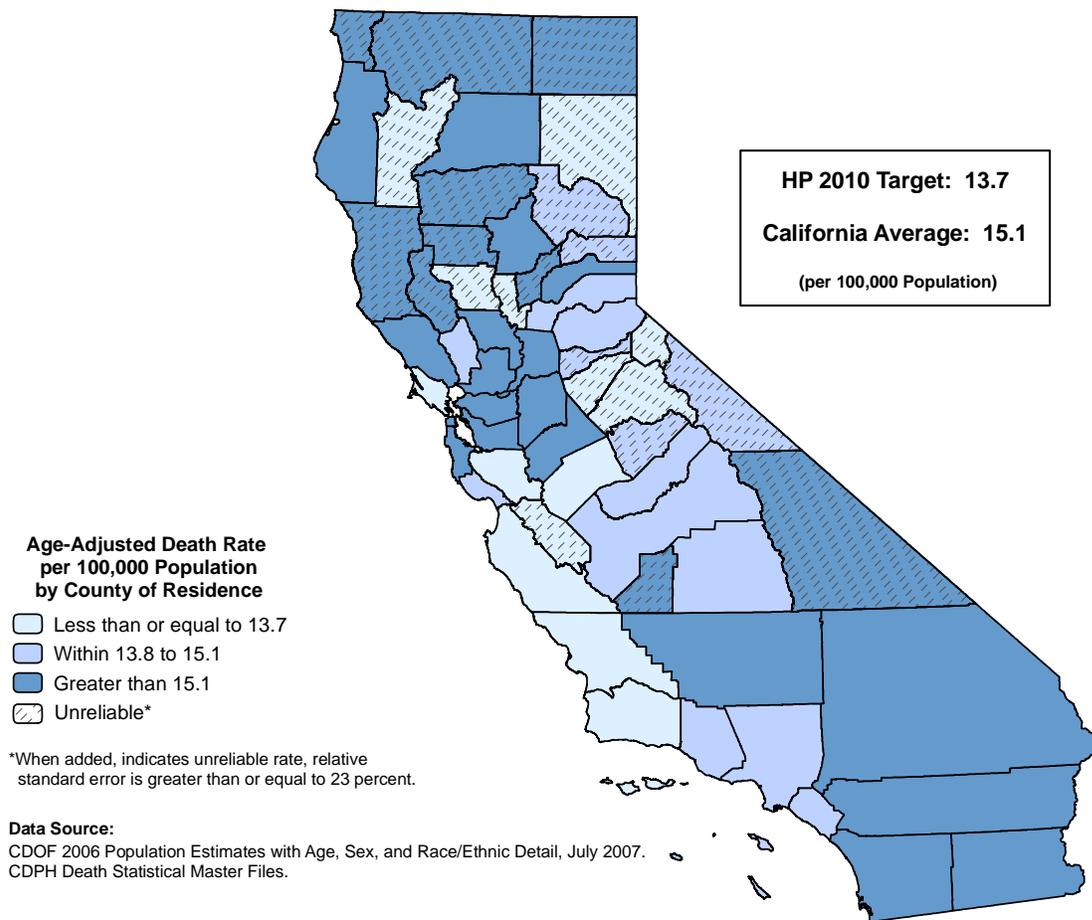
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO COLORECTAL (COLON) CANCER, 2005-2007



The crude death rate from colorectal (colon) cancer for California was 13.8 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 7,250 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 5,156.3 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 21.5 in Nevada County to 9.7 in Merced County, a factor of 2.2 to 1.

The age-adjusted death rate from colorectal cancer for California during the 2005 to 2007 three-year period was 15.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 18.7 in Sonoma County to 10.2 in Marin County.

Fourteen counties with six demonstrating reliable age-adjusted death rates met the Healthy People 2010 National Objective: 3-5, no more than 13.7 age-adjusted deaths due to colorectal cancer per 100,000 population. The statewide age-adjusted death rate for colorectal 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,321	0.0	-	-	-	-
2	SAN BENITO	57,578	3.3	5.8 *	7.2 *	0.0	15.0
3	TRINITY	14,535	2.0	13.8 *	9.6 *	0.0	23.1
4	MARIN	252,859	32.7	12.9	10.2	6.7	13.7
5	LASSEN	36,560	3.3	9.1 *	10.3 *	0.0	21.6
6	SAN LUIS OBISPO	262,799	34.7	13.2	10.7	7.1	14.2
7	SUTTER	93,409	10.0	10.7 *	11.3 *	4.3	18.3
8	COLUSA	21,916	2.3	10.6 *	11.8 *	0.0	27.0
9	MONTEREY	422,015	44.7	10.6	11.8	8.3	15.3
10	SANTA BARBARA	419,574	53.0	12.6	11.9	8.7	15.2
11	TUOLUMNE	57,642	10.7	18.5 *	12.6 *	4.6	20.5
12	SANTA CLARA	1,780,757	208.7	11.7	12.7	10.9	14.4
13	CALAVERAS	45,607	8.7	19.0 *	12.7 *	3.9	21.4
14	MERCED	249,737	24.3	9.7	13.2	7.9	18.4
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-5)					13.7		
15	EL DORADO	177,647	28.7	16.1	13.8	8.7	19.0
16	SIERRA	3,680	0.7	18.1 *	13.9 *	0.0	47.2
17	TULARE	426,998	46.0	10.8	14.0	9.9	18.1
18	SANTA CRUZ	263,308	33.0	12.5	14.0	9.1	19.0
19	PLUMAS	21,544	4.3	20.1 *	14.1 *	0.0	28.2
20	ORANGE	3,078,395	387.3	12.6	14.2	12.8	15.6
21	PLACER	320,851	52.3	16.3	14.3	10.4	18.2
22	VENTURA	820,242	106.7	13.0	14.4	11.6	17.1
23	AMADOR	38,522	8.7	22.5 *	14.4 *	4.8	24.0
24	NAPA	135,346	23.7	17.5	14.5	8.6	20.4
25	MONO	13,886	2.0	14.4 *	14.6 *	0.0	35.7
26	FRESNO	910,627	106.7	11.7	14.7	11.9	17.5
27	MARIPOSA	18,449	4.3	23.5 *	14.9 *	0.8	29.0
28	LOS ANGELES	10,262,451	1,365.7	13.3	14.9	14.1	15.7
29	MADERA	146,708	20.3	13.9	15.0	8.5	21.6
CALIFORNIA		37,380,870	5,156.3	13.8	15.1	14.7	15.5
30	NEVADA	99,434	21.3	21.5	15.3	8.6	22.1
31	SAN DIEGO	3,076,347	436.7	14.2	15.3	13.9	16.8
32	IMPERIAL	170,233	22.3	13.1	15.3	9.0	21.7
33	DEL NORTE	29,662	4.7	15.7 *	15.4 *	1.4	29.4
34	SACRAMENTO	1,393,959	201.0	14.4	15.5	13.4	17.7
35	SAN FRANCISCO	801,522	147.0	18.3	15.6	13.0	18.1
36	SHASTA	181,528	34.0	18.7	15.6	10.3	20.8
37	ALAMEDA	1,510,695	217.7	14.4	15.7	13.6	17.8
38	BUTTE	217,241	40.7	18.7	15.7	10.8	20.6
39	SAN MATEO	726,068	123.7	17.0	15.7	12.9	18.5
40	RIVERSIDE	2,005,477	282.7	14.1	16.0	14.1	17.9
41	KERN	799,475	93.0	11.6	16.3	12.9	19.7
42	SAN JOAQUIN	673,682	92.0	13.7	16.5	13.1	19.9
43	TEHAMA	61,908	12.0	19.4 *	16.5 *	7.1	26.0
44	INYO	18,867	4.3	23.0 *	16.7 *	0.3	33.1
45	SAN BERNARDINO	2,016,983	246.7	12.2	16.7	14.6	18.8
46	CONTRA COSTA	1,031,997	172.3	16.7	16.9	14.3	19.4
47	HUMBOLDT	131,757	22.7	17.2	17.1	10.0	24.1
48	YUBA	72,821	10.0	13.7 *	17.1 *	6.4	27.8
49	YOLO	192,538	25.3	13.2	17.1	10.4	23.8
50	MENDOCINO	90,509	18.3	20.3 *	17.3 *	9.3	25.3
51	SOLANO	422,310	67.7	16.0	18.3	13.9	22.8
52	STANISLAUS	519,676	79.7	15.3	18.5	14.4	22.6
53	SONOMA	480,361	94.7	19.7	18.7	14.9	22.5
54	SISKIYOU	46,220	12.7	27.4 *	18.9 *	8.2	29.6
55	LAKE	64,473	18.0	27.9 *	19.3 *	10.2	28.4
56	KINGS	150,776	17.7	11.7 *	19.6 *	10.3	28.9
57	GLENN	29,052	6.0	20.7 *	19.9 *	3.9	35.8
58	MODOC	10,336	3.0	29.0 *	20.9 *	0.0	44.6

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

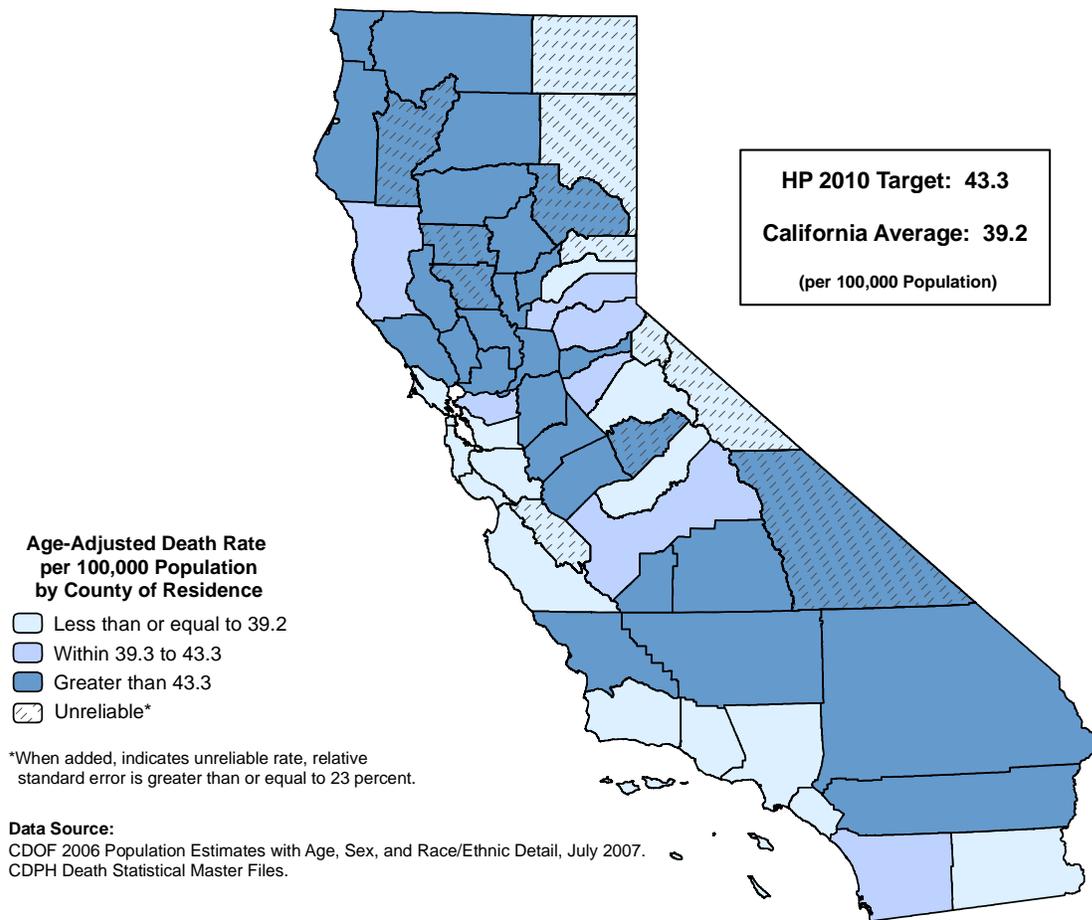
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO LUNG CANCER, 2005-2007



The crude death rate from lung cancer for California was 35.4 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,828 persons. This rate was based on the 2005 to 2007 three-year average number of deaths equaling 13,216.3 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 94.6 in Lake County to 26.6 in Imperial County, a factor of 3.6 to 1.

The age-adjusted death rate from lung cancer for California during the 2005 to 2007 three-year period was 39.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 71.5 in Yuba County to 31.8 in Santa Clara County.

Twenty-eight counties with twenty-two demonstrating reliable age-adjusted death rates and California as a whole met the Healthy People 2010 National Objective: 3-2, 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,321	0.0	-	-	-	-
2	MONO	13,886	3.0	21.6 *	20.3 *	0.0	43.9
3	SAN BENITO	57,578	12.3	21.4 *	27.8 *	12.0	43.6
4	SIERRA	3,680	2.0	54.3 *	30.3 *	0.0	72.4
5	SANTA CLARA	1,780,757	514.7	28.9	31.8	29.0	34.6
6	IMPERIAL	170,233	45.3	26.6	31.9	22.6	41.3
7	MARIN	252,859	103.0	40.7	32.6	26.2	38.9
8	LOS ANGELES	10,262,451	3,004.3	29.3	33.4	32.2	34.6
9	SANTA BARBARA	419,574	147.3	35.1	33.5	28.0	38.9
10	MADERA	146,708	47.0	32.0	34.0	24.2	43.8
11	MONTEREY	422,015	130.3	30.9	34.7	28.7	40.7
12	TUOLUMNE	57,642	31.7	54.9	34.9	22.6	47.2
13	VENTURA	820,242	264.7	32.3	35.8	31.4	40.1
14	ORANGE	3,078,395	975.3	31.7	36.5	34.2	38.8
15	SAN MATEO	726,068	281.7	38.8	37.2	32.8	41.6
16	LASSEN	36,560	11.3	31.0 *	37.2 *	15.3	59.1
17	ALAMEDA	1,510,695	516.7	34.2	37.5	34.2	40.8
18	NEVADA	99,434	54.7	55.0	37.6	27.5	47.6
19	SANTA CRUZ	263,308	81.3	30.9	37.9	29.5	46.4
20	MODOC	10,336	5.7	54.8 *	38.3 *	6.6	69.9
21	SAN FRANCISCO	801,522	350.7	43.8	38.6	34.6	42.7
	CALIFORNIA	37,380,870	13,216.3	35.4	39.2	38.5	39.9
22	CONTRA COSTA	1,031,997	406.0	39.3	39.5	35.6	43.4
23	SAN DIEGO	3,076,347	1,102.7	35.8	39.8	37.4	42.2
24	CALAVERAS	45,607	30.3	66.5	40.6	26.1	55.2
25	MENDOCINO	90,509	44.0	48.6	40.9	28.7	53.2
26	FRESNO	910,627	296.7	32.6	41.9	37.1	46.7
27	EL DORADO	177,647	82.0	46.2	42.1	32.8	51.3
28	PLACER	320,851	155.0	48.3	42.3	35.6	49.0
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-2)			43.3			
29	SAN BERNARDINO	2,016,983	639.7	31.7	43.8	40.3	47.2
30	SAN LUIS OBISPO	262,799	142.7	54.3	43.8	36.6	51.0
31	COLUSA	21,916	8.7	39.5 *	44.6 *	14.8	74.4
32	TULARE	426,998	146.0	34.2	44.9	37.5	52.2
33	RIVERSIDE	2,005,477	785.7	39.2	44.9	41.7	48.0
34	SUTTER	93,409	41.0	43.9	45.3	31.4	59.2
35	GLENN	29,052	13.7	47.0 *	45.6 *	21.4	69.8
36	PLUMAS	21,544	16.3	75.8 *	46.0 *	23.7	68.3
37	AMADOR	38,522	27.7	71.8	46.6	29.1	64.2
38	KERN	799,475	270.3	33.8	47.2	41.5	52.9
39	SACRAMENTO	1,393,959	606.7	43.5	47.5	43.7	51.3
40	MERCED	249,737	89.0	35.6	48.2	38.1	58.2
41	SONOMA	480,361	242.0	50.4	48.7	42.5	54.9
42	KINGS	150,776	45.3	30.1	49.0	34.5	63.6
43	SAN JOAQUIN	673,682	270.0	40.1	49.1	43.2	54.9
44	STANISLAUS	519,676	211.3	40.7	49.1	42.5	55.8
45	SOLANO	422,310	184.3	43.6	50.3	42.9	57.7
46	YOLO	192,538	74.7	38.8	50.3	38.8	61.9
47	NAPA	135,346	81.7	60.3	50.6	39.5	61.7
48	TRINITY	14,535	12.7	87.1 *	56.0 *	25.0	87.1
49	BUTTE	217,241	143.7	66.1	56.3	47.1	65.6
50	SISKIYOU	46,220	38.0	82.2	56.4	38.1	74.6
51	HUMBOLDT	131,757	78.7	59.7	57.2	44.4	69.9
52	INYO	18,867	17.0	90.1 *	58.8 *	30.7	86.8
53	MARIPOSA	18,449	17.3	94.0 *	60.0 *	31.6	88.5
54	LAKE	64,473	61.0	94.6	61.5	45.9	77.0
55	SHASTA	181,528	139.0	76.6	62.6	52.2	73.1
56	TEHAMA	61,908	49.7	80.2	66.2	47.8	84.7
57	DEL NORTE	29,662	20.7	69.7	66.8	37.9	95.8
58	YUBA	72,821	42.3	58.1	71.5	49.9	93.1

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

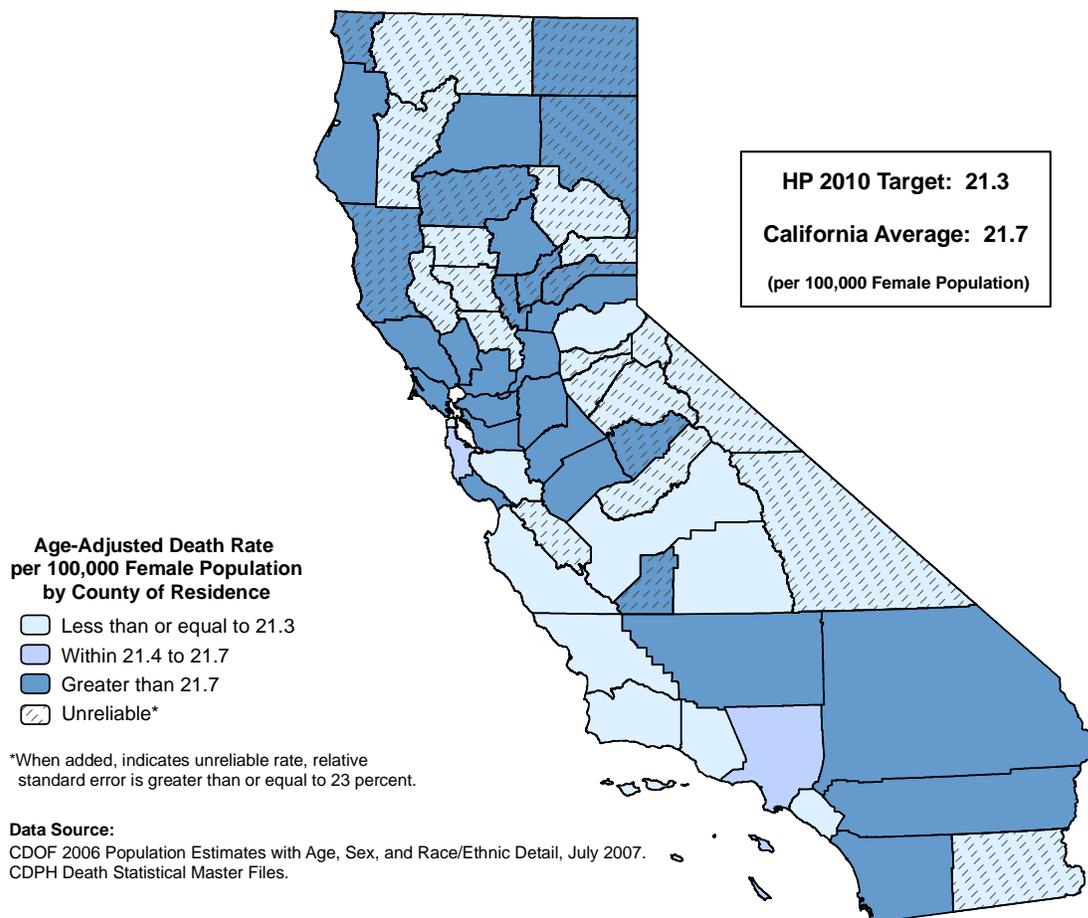
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO FEMALE BREAST CANCER, 2005-2007



The crude death rate from female breast cancer for California was 22.3 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 4,484 females. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 4,175.3 and 18,723,157 female population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 32.6 in Humboldt County to 16.6 in Tulare County, a factor of 2.0 to 1.

The age-adjusted death rate from female breast cancer for California during the 2005 to 2007 three-year period was 21.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 27.8 in Humboldt County to 17.5 in Monterey County.

Twenty-seven counties with ten demonstrating reliable age-adjusted death rates met the Healthy People 2010 National Objective: 3-3, 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 FEMALE POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	633	0.0	-	-	-	-
2	COLUSA	10,743	0.7	6.2 *	6.1 *	0.0	20.8
3	SIERRA	1,822	0.3	18.3 *	8.2 *	0.0	36.1
4	GLENN	14,357	1.3	9.3 *	8.2 *	0.0	22.2
5	TRINITY	7,143	1.0	14.0 *	8.4 *	0.0	24.8
6	INYO	9,526	1.7	17.5 *	11.2 *	0.0	28.6
7	MONO	6,411	1.0	15.6 *	13.6 *	0.0	40.3
8	PLUMAS	10,850	2.7	24.6 *	14.5 *	0.0	32.0
9	SAN BENITO	28,431	4.0	14.1 *	16.7 *	0.2	33.3
10	LAKE	32,443	8.3	25.7 *	16.8 *	5.1	28.5
11	MONTEREY	205,806	35.7	17.3	17.5	11.7	23.3
12	EL DORADO	88,969	20.3	22.9	17.9	10.0	25.8
13	SAN FRANCISCO	390,855	91.7	23.5	18.5	14.6	22.4
14	SANTA CLARA	878,579	171.3	19.5	18.5	15.7	21.3
15	IMPERIAL	80,262	14.3	17.9 *	18.7 *	9.0	28.4
16	VENTURA	408,706	80.7	19.7	18.7	14.6	22.9
17	SISKIYOU	23,552	6.3	26.9 *	18.8 *	3.5	34.0
18	TULARE	212,899	35.3	16.6	18.9	12.6	25.2
19	CALAVERAS	23,020	7.0	30.4 *	19.2 *	4.3	34.0
20	ORANGE	1,548,793	301.0	19.4	19.2	17.1	21.4
21	AMADOR	17,442	5.7	32.5 *	19.3 *	3.1	35.4
22	YOLO	97,790	17.0	17.4 *	20.0 *	10.4	29.5
23	SANTA BARBARA	209,117	49.3	23.6	20.5	14.7	26.3
24	MADERA	75,856	15.3	20.2 *	20.6 *	10.2	31.0
25	TUOLUMNE	27,363	9.7	35.3 *	20.6 *	7.1	34.2
26	SAN LUIS OBISPO	128,358	36.7	28.6	21.1	14.1	28.1
27	FRESNO	452,549	86.0	19.0	21.2	16.7	25.7
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-3)					21.3		
28	LOS ANGELES	5,165,895	1,120.7	21.7	21.5	20.3	22.8
29	SAN MATEO	365,557	95.3	26.1	21.7	17.3	26.1
	CALIFORNIA	18,723,157	4,175.3	22.3	21.7	21.0	22.3
30	MENDOCINO	45,361	12.7	27.9 *	21.8 *	9.6	33.9
31	NAPA	67,852	20.3	30.0	21.8	12.1	31.5
32	DEL NORTE	13,362	3.7	27.4 *	21.9 *	0.0	44.4
33	SAN DIEGO	1,530,914	351.3	22.9	22.0	19.6	24.3
34	SUTTER	47,239	11.0	23.3 *	22.0 *	8.9	35.0
35	SOLANO	209,550	47.0	22.4	22.2	15.8	28.6
36	ALAMEDA	771,264	181.3	23.5	22.3	19.0	25.6
37	PLACER	164,290	46.3	28.2	22.8	16.2	29.4
38	SONOMA	243,012	67.3	27.7	22.8	17.2	28.3
39	SACRAMENTO	709,680	166.7	23.5	22.8	19.3	26.3
40	SHASTA	92,446	27.7	29.9	22.9	14.3	31.6
41	MARIN	127,618	41.3	32.4	23.1	15.9	30.3
42	BUTTE	110,424	33.3	30.2	23.1	15.0	31.2
43	STANISLAUS	264,469	57.0	21.6	23.4	17.3	29.5
44	CONTRA COSTA	525,329	138.3	26.3	23.5	19.5	27.5
45	RIVERSIDE	1,006,748	234.7	23.3	24.2	21.1	27.3
46	NEVADA	49,945	18.3	36.7 *	24.2 *	12.8	35.6
47	MERCED	123,965	25.0	20.2	24.2	14.7	33.7
48	KERN	389,358	78.0	20.0	24.4	18.9	29.8
49	SAN JOAQUIN	337,966	77.0	22.8	24.8	19.2	30.3
50	KINGS	65,603	13.0	19.8 *	25.1 *	11.4	38.9
51	SAN BERNARDINO	1,009,412	218.0	21.6	25.3	21.9	28.7
52	YUBA	36,129	8.3	23.1 *	25.6 *	8.2	43.1
53	SANTA CRUZ	131,821	34.7	26.3	26.8	17.6	36.0
54	TEHAMA	31,228	10.3	33.1 *	26.9 *	10.3	43.6
55	MARIPOSA	9,029	3.7	40.6 *	27.8 *	0.0	57.4
56	HUMBOLDT	66,443	21.7	32.6	27.8	16.0	39.7
57	LASSEN	13,874	4.3	31.2 *	27.9 *	1.4	54.4
58	MODOC	5,099	2.7	52.3 *	34.6 *	0.0	76.6

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

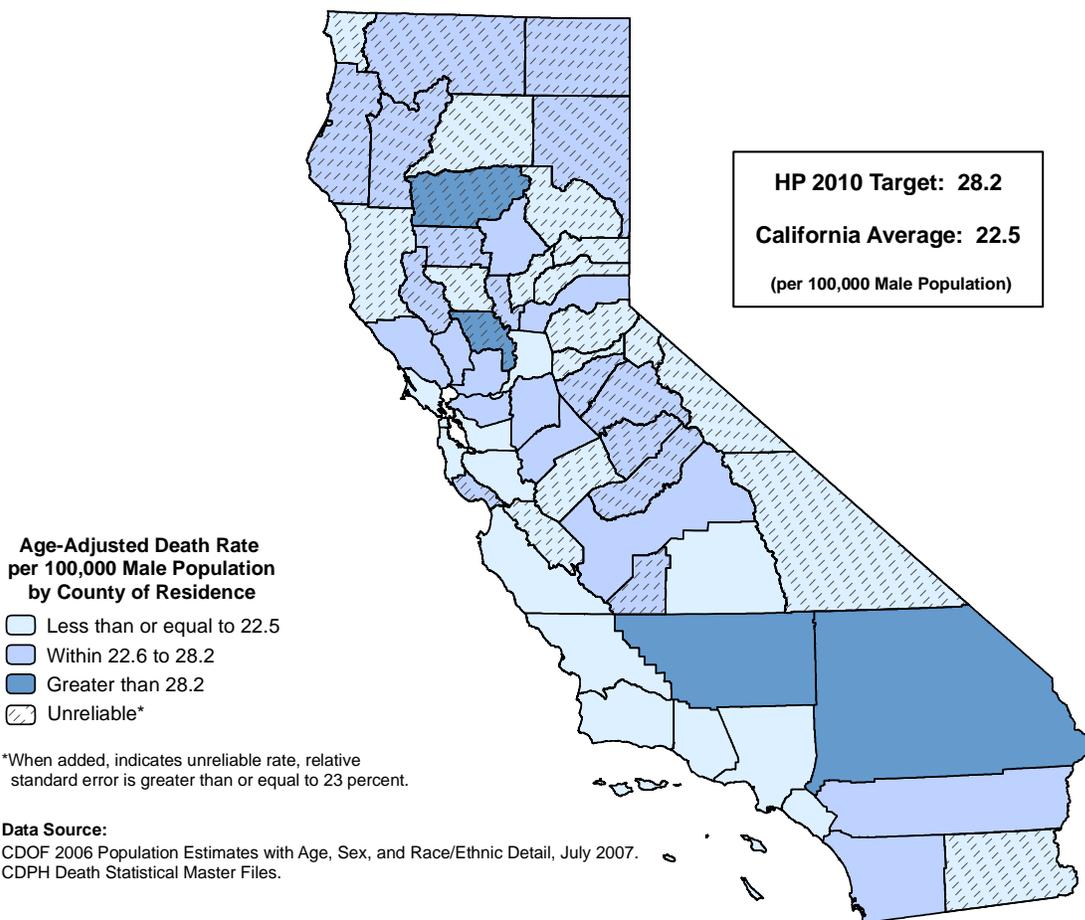
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO PROSTATE CANCER, 2005-2007



The crude death rate from prostate cancer for California was 16.1 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 6,208 males. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 3,005.3 and 18,657,713 male population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 28.6 in Napa County to 12.4 in Santa Clara County, a factor of 2.3 to 1.

The age-adjusted death rate from prostate cancer for California during the 2005 to 2007 three-year period was 22.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 30.1 in Kern County to 15.6 in San Francisco County.

Fifty-four counties with twenty-four demonstrating reliable age-adjusted death rates and California as a whole met the Healthy People 2010 National Objective: 3-7, no more than 28.2 age-adjusted deaths due to prostate cancer per 100,000 population.

**TABLE 6
DEATHS DUE TO PROSTATE CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 MALE POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	688	0.0	-	-	-	-
2	SAN BENITO	29,147	1.3	4.6 *	6.5 *	0.0	18.0
3	SIERRA	1,858	0.3	17.9 *	11.2 *	0.0	49.4
4	MONO	7,475	0.7	8.9 *	11.3 *	0.0	38.7
5	COLUSA	11,173	1.3	11.9 *	14.5 *	0.0	39.4
6	AMADOR	21,080	4.0	19.0 *	15.6 *	0.1	31.0
7	SAN FRANCISCO	410,667	60.7	14.8	15.6	11.7	19.5
8	IMPERIAL	89,971	9.7	10.7 *	16.2 *	5.8	26.7
9	SANTA CLARA	902,178	112.0	12.4	17.7	14.4	21.0
10	INYO	9,341	2.3	25.0 *	18.4 *	0.0	42.0
11	DEL NORTE	16,300	2.3	14.3 *	18.5 *	0.0	42.4
12	MARIN	125,241	24.3	19.4	18.8	11.3	26.3
13	MONTEREY	216,209	30.3	14.0	19.6	12.6	26.6
14	SAN LUIS OBISPO	134,441	28.0	20.8	19.7	12.4	27.0
15	YUBA	36,692	4.3	11.8 *	20.0 *	0.9	39.2
16	SHASTA	89,082	18.0	20.2 *	20.1 *	10.7	29.6
17	PLUMAS	10,694	3.0	28.1 *	20.3 *	0.0	43.4
18	EL DORADO	88,678	15.7	17.7 *	20.7 *	10.4	31.0
19	MENDOCINO	45,148	8.7	19.2 *	21.0 *	7.0	35.1
20	SAN MATEO	360,511	65.0	18.0	21.2	16.0	26.3
21	ORANGE	1,529,602	217.3	14.2	21.2	18.4	24.1
22	LOS ANGELES	5,096,556	754.7	14.8	21.3	19.8	22.9
23	SACRAMENTO	684,279	106.7	15.6	21.6	17.4	25.7
24	ALAMEDA	739,431	115.0	15.6	21.6	17.6	25.6
25	SANTA BARBARA	210,457	40.7	19.3	21.7	15.0	28.4
26	VENTURA	411,536	63.3	15.4	22.0	16.5	27.5
27	TULARE	214,099	28.0	13.1	22.1	13.8	30.3
28	NEVADA	49,489	13.3	26.9 *	22.1 *	10.2	34.1
29	MERCED	125,772	15.3	12.2 *	22.2 *	11.0	33.4
	CALIFORNIA	18,657,713	3,005.3	16.1	22.5	21.7	23.3
30	CALAVERAS	22,587	7.3	32.5 *	22.6 *	6.0	39.2
31	LASSEN	22,686	3.0	13.2 *	22.6 *	0.0	48.9
32	CONTRA COSTA	506,668	90.0	17.8	22.7	18.0	27.5
33	TUOLUMNE	30,279	9.3	30.8 *	23.0 *	8.1	37.8
34	HUMBOLDT	65,314	12.3	18.9 *	23.1 *	10.1	36.1
35	SANTA CRUZ	131,487	19.7	15.0	23.1 *	12.7	33.6
36	SOLANO	212,760	32.3	15.2	23.2	15.0	31.3
37	PLACER	156,561	36.3	23.2	24.1	16.2	31.9
38	MARIPOSA	9,420	3.3	35.4 *	24.1 *	0.0	50.1
39	MODOC	5,237	1.7	31.8 *	24.3 *	0.0	61.4
40	SAN JOAQUIN	335,716	54.3	16.2	24.7	18.1	31.3
41	FRESNO	458,078	68.3	14.9	24.8	18.9	30.8
42	STANISLAUS	255,207	41.3	16.2	25.0	17.3	32.7
43	SAN DIEGO	1,545,433	283.0	18.3	25.2	22.2	28.1
44	SISKIYOU	22,668	8.0	35.3 *	25.5 *	7.8	43.2
45	KINGS	85,173	9.0	10.6 *	25.8 *	8.5	43.1
46	RIVERSIDE	998,729	189.7	19.0	25.9	22.2	29.6
47	BUTTE	106,817	29.0	27.1	26.0	16.5	35.5
48	LAKE	32,030	11.0	34.3 *	26.0 *	10.4	41.7
49	SONOMA	237,349	52.7	22.2	26.0	18.9	33.1
50	GLENN	14,695	3.3	22.7 *	26.2 *	0.0	54.4
51	NAPA	67,494	19.3	28.6	26.4	14.6	38.3
52	MADERA	70,852	15.0	21.2 *	26.7 *	13.0	40.4
53	TRINITY	7,392	2.3	31.6 *	26.8 *	0.0	61.7
54	SUTTER	46,170	9.7	20.9 *	27.4 *	10.0	44.8
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-7)			28.2			
55	YOLO	94,748	16.7	17.6 *	28.6 *	14.8	42.3
56	TEHAMA	30,680	9.3	30.4 *	29.1 *	10.3	47.8
57	SAN BERNARDINO	1,007,571	160.3	15.9	30.0	25.2	34.8
58	KERN	410,117	61.3	15.0	30.1	22.4	37.9

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

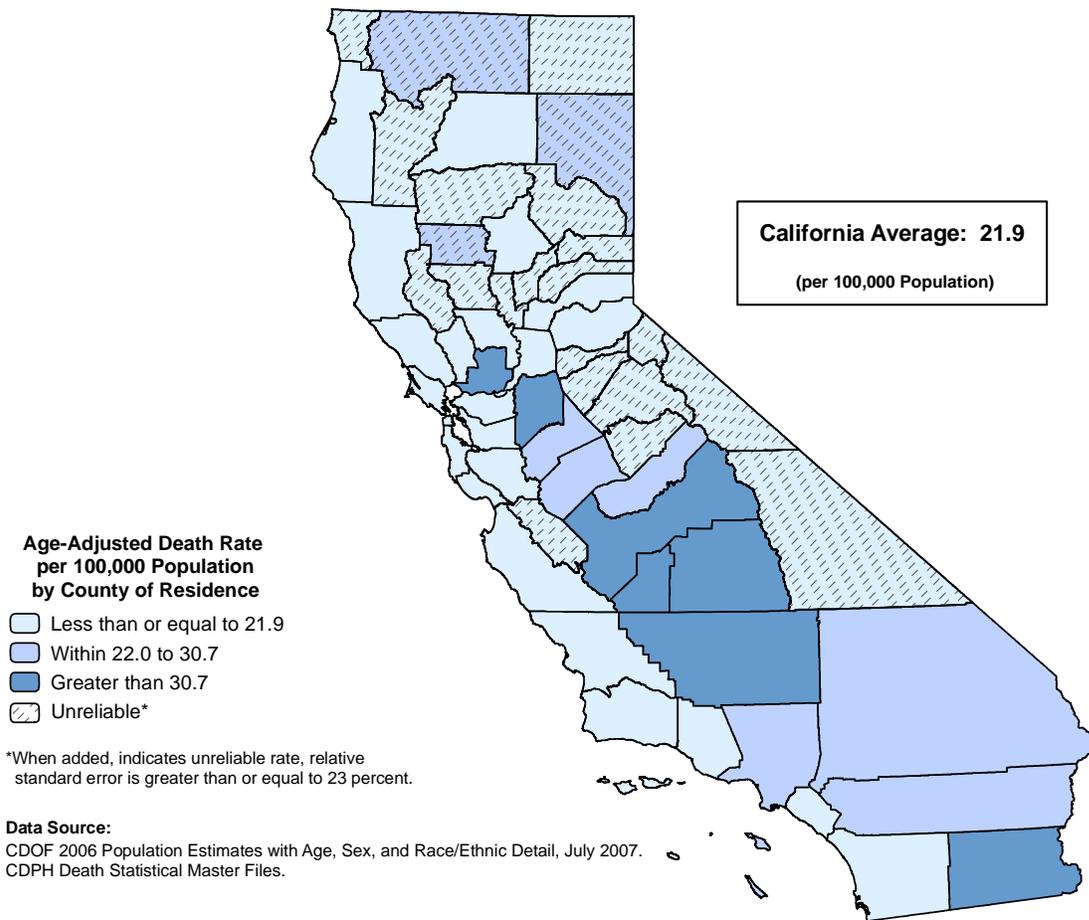
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO DIABETES, 2005-2007



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 4,997 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 7,480.3 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 29.7 in San Joaquin County to 12.0 in Marin County, a factor of 2.5 to 1.

The age-adjusted death rate from diabetes for California during the 2005 to 2007 three-year period was 21.9 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 36.0 in San Joaquin County to 9.6 in Marin County.

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

**TABLE 7
DEATHS DUE TO DIABETES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (5-5)					NOTE		
1	MONO	13,886	1.0	7.2 *	5.4 *	0.0	15.9
2	CALAVERAS	45,607	6.7	14.6 *	8.8 *	2.1	15.6
3	MARIN	252,859	30.3	12.0	9.6	6.1	13.0
4	AMADOR	38,522	6.3	16.4 *	11.3 *	2.3	20.3
5	SAN FRANCISCO	801,522	116.0	14.5	12.3	10.1	14.6
6	SAN LUIS OBISPO	262,799	43.3	16.5	13.0	9.1	16.9
7	SAN MATEO	726,068	105.3	14.5	13.3	10.7	15.9
8	SIERRA	3,680	0.7	18.1 *	13.3 *	0.0	45.4
9	EL DORADO	177,647	25.3	14.3	13.4	8.1	18.7
10	NEVADA	99,434	18.0	18.1 *	13.5 *	7.1	19.8
11	SHASTA	181,528	29.7	16.3	13.6	8.7	18.5
12	COLUSA	21,916	3.0	13.7 *	14.8 *	0.0	31.6
13	TUOLUMNE	57,642	12.7	22.0 *	14.9 *	6.3	23.6
14	PLUMAS	21,544	5.3	24.8 *	15.4 *	2.3	28.4
15	SAN BENITO	57,578	7.0	12.2 *	15.8 *	3.9	27.6
16	TRINITY	14,535	3.0	20.6 *	15.8 *	0.0	34.7
17	SANTA BARBARA	419,574	71.3	17.0	16.1	12.3	19.9
18	PLACER	320,851	60.3	18.8	16.2	12.1	20.2
19	BUTTE	217,241	42.7	19.6	16.5	11.5	21.6
20	ALPINE	1,321	0.3	25.2 *	16.7 *	0.0	73.3
21	ORANGE	3,078,395	458.0	14.9	16.9	15.3	18.4
22	SANTA CRUZ	263,308	37.7	14.3	17.0	11.4	22.6
23	LAKE	64,473	16.3	25.3 *	17.0 *	8.7	25.3
24	MODOC	10,336	2.7	25.8 *	17.1 *	0.0	37.6
25	NAPA	135,346	29.0	21.4	17.3	10.9	23.7
26	YUBA	72,821	10.0	13.7 *	17.4 *	6.5	28.2
27	MONTEREY	422,015	65.3	15.5	17.4	13.2	21.7
28	SONOMA	480,361	93.7	19.5	18.4	14.6	22.2
29	MENDOCINO	90,509	20.0	22.1	19.2	10.6	27.7
30	CONTRA COSTA	1,031,997	197.3	19.1	19.2	16.5	21.9
31	TEHAMA	61,908	14.3	23.2 *	19.3 *	9.2	29.3
32	SUTTER	93,409	17.7	18.9 *	19.3 *	10.3	28.3
33	VENTURA	820,242	144.7	17.6	19.7	16.5	22.9
34	SACRAMENTO	1,393,959	263.0	18.9	20.3	17.8	22.8
35	SAN DIEGO	3,076,347	578.7	18.8	20.6	18.9	22.3
36	YOLO	192,538	31.3	16.3	20.9	13.5	28.2
37	INYO	18,867	5.7	30.0 *	20.9 *	3.0	38.8
38	HUMBOLDT	131,757	28.7	21.8	20.9	13.2	28.6
39	DEL NORTE	29,662	6.3	21.4 *	21.1 *	4.6	37.7
40	SANTA CLARA	1,780,757	343.3	19.3	21.1	18.9	23.4
41	ALAMEDA	1,510,695	298.3	19.7	21.4	19.0	23.9
42	MARIPOSA	18,449	5.7	30.7 *	21.7 *	3.8	39.6
	CALIFORNIA	37,380,870	7,480.3	20.0	21.9	21.4	22.4
43	SISKIYOU	46,220	15.7	33.9 *	22.6 *	11.2	34.0
44	RIVERSIDE	2,005,477	401.0	20.0	22.7	20.4	24.9
45	MADERA	146,708	32.3	22.0	24.2	15.8	32.6
46	LOS ANGELES	10,262,451	2,207.0	21.5	24.2	23.2	25.3
47	STANISLAUS	519,676	108.0	20.8	24.9	20.2	29.7
48	LASSEN	36,560	7.7	21.0 *	25.6 *	7.4	43.8
49	MERCED	249,737	52.3	21.0	28.3	20.6	36.0
50	GLENN	29,052	9.3	32.1 *	30.7 *	10.9	50.4
51	SAN BERNARDINO	2,016,983	450.3	22.3	30.7	27.8	33.6
52	SOLANO	422,310	116.3	27.5	31.4	25.6	37.2
53	IMPERIAL	170,233	45.3	26.6	32.1	22.7	41.4
54	FRESNO	910,627	239.0	26.2	33.2	29.0	37.4
55	TULARE	426,998	112.0	26.2	34.1	27.8	40.5
56	KERN	799,475	195.3	24.4	34.2	29.3	39.0
57	KINGS	150,776	32.3	21.4	35.4	23.0	47.9
58	SAN JOAQUIN	673,682	200.3	29.7	36.0	31.0	41.0

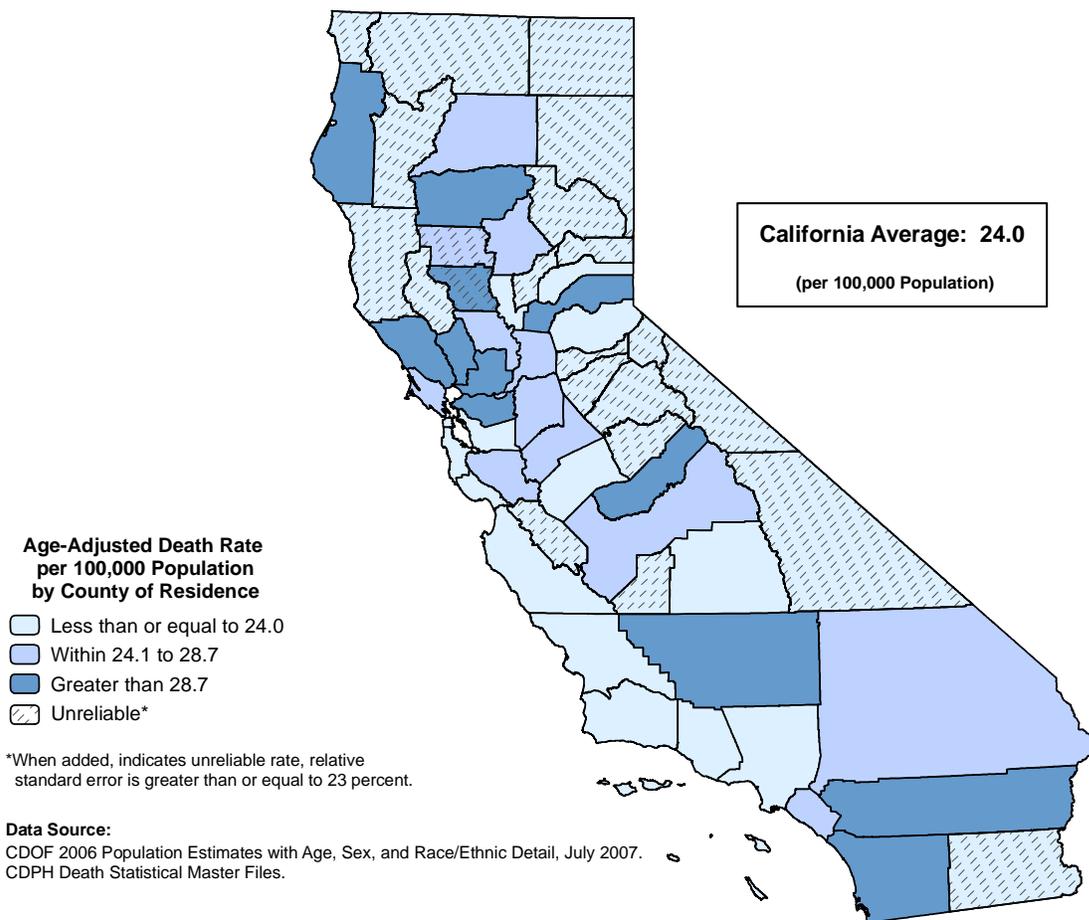
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population. 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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO ALZHEIMER'S DISEASE, 2005-2007



The crude death rate from Alzheimer's disease for California was 21.7 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 4,609 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 8,110.0 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 52.2 in Napa County to 8.0 in Tulare County, a factor of 6.5 to 1.

The age-adjusted death rate from Alzheimer's disease for California during the 2005 to 2007 three-year period was 24.0 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 39.5 in Humboldt County to 11.0 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:					NONE		
1	ALPINE	1,321	0.0	-	-	-	-
2	INYO	18,867	0.7	3.5 *	2.1 *	0.0	7.1
3	MONO	13,886	0.7	4.8 *	7.8 *	0.0	26.7
4	IMPERIAL	170,233	11.3	6.7 *	8.8 *	3.7	13.9
5	MODOC	10,336	1.3	12.9 *	8.9 *	0.0	23.9
6	SIERRA	3,680	0.7	18.1 *	9.5 *	0.0	32.3
7	CALAVERAS	45,607	7.0	15.3 *	10.1 *	2.6	17.6
8	TRINITY	14,535	2.0	13.8 *	10.7 *	0.0	25.5
9	TULARE	426,998	34.3	8.0	11.0	7.3	14.7
10	DEL NORTE	29,662	3.7	12.4 *	12.7 *	0.0	25.6
11	MARIPOSA	18,449	3.3	18.1 *	12.8 *	0.0	26.7
12	SAN BENITO	57,578	5.0	8.7 *	13.0 *	1.6	24.4
13	PLUMAS	21,544	4.3	20.1 *	13.2 *	0.8	25.6
14	MONTEREY	422,015	53.0	12.6	13.6	9.9	17.3
15	TUOLUMNE	57,642	13.3	23.1 *	14.4 *	6.6	22.1
16	NEVADA	99,434	20.3	20.4	14.5	8.2	20.9
17	LASSEN	36,560	3.7	10.0 *	14.9 *	0.0	30.1
18	MENDOCINO	90,509	16.0	17.7 *	14.9 *	7.6	22.2
19	SAN LUIS OBISPO	262,799	53.7	20.4	15.2	11.2	19.3
20	SAN FRANCISCO	801,522	167.0	20.8	15.7	13.3	18.1
21	YUBA	72,821	8.3	11.4 *	15.7 *	5.0	26.5
22	LAKE	64,473	14.7	22.7 *	16.1 *	7.8	24.3
23	SISKIYOU	46,220	12.3	26.7 *	16.9 *	7.5	26.4
24	MERCED	249,737	29.7	11.9	17.4	11.2	23.7
25	ALAMEDA	1,510,695	250.3	16.6	17.8	15.6	20.0
26	AMADOR	38,522	10.0	26.0 *	17.8 *	6.8	28.9
27	LOS ANGELES	10,262,451	1,626.7	15.9	18.1	17.2	19.0
28	KINGS	150,776	14.3	9.5 *	18.1 *	8.7	27.5
29	SANTA BARBARA	419,574	92.0	21.9	18.6	14.8	22.5
30	SANTA CRUZ	263,308	47.3	18.0	19.4	13.8	25.0
31	SAN MATEO	726,068	178.0	24.5	21.1	18.0	24.2
32	EL DORADO	177,647	40.3	22.7	22.4	15.5	29.3
33	SUTTER	93,409	20.7	22.1	23.7	13.5	33.9
34	VENTURA	820,242	170.3	20.8	23.8	20.2	27.3
	CALIFORNIA	37,380,870	8,110.0	21.7	24.0	23.5	24.5
35	GLENN	29,052	7.7	26.4 *	24.2 *	7.0	41.4
36	SHASTA	181,528	52.3	28.8	24.5	17.9	31.1
37	STANISLAUS	519,676	103.7	19.9	24.5	19.8	29.3
38	SACRAMENTO	1,393,959	308.7	22.1	25.0	22.2	27.8
39	SAN JOAQUIN	673,682	139.0	20.6	25.5	21.3	29.8
40	MARIN	252,859	91.3	36.1	26.3	20.9	31.8
41	ORANGE	3,078,395	703.3	22.8	26.4	24.5	28.4
42	YOLO	192,538	40.3	20.9	27.7	19.1	36.3
43	FRESNO	910,627	193.7	21.3	27.9	24.0	31.8
44	BUTTE	217,241	84.3	38.8	28.0	22.0	34.0
45	SAN BERNARDINO	2,016,983	353.3	17.5	28.1	25.1	31.0
46	SANTA CLARA	1,780,757	448.7	25.2	28.5	25.9	31.2
47	CONTRA COSTA	1,031,997	290.0	28.1	28.8	25.5	32.1
48	MADERA	146,708	37.7	25.7	29.6	20.2	39.1
49	PLACER	320,851	115.7	36.0	29.9	24.4	35.3
50	TEHAMA	61,908	23.3	37.7	30.4	18.1	42.7
51	RIVERSIDE	2,005,477	547.0	27.3	30.6	28.0	33.2
52	SONOMA	480,361	171.3	35.7	31.3	26.6	36.1
53	COLUSA	21,916	6.7	30.4 *	33.0 *	7.8	58.2
54	SAN DIEGO	3,076,347	1,047.7	34.1	36.1	33.9	38.3
55	NAPA	135,346	70.7	52.2	37.0	28.3	45.8
56	KERN	799,475	176.7	22.1	37.4	31.8	42.9
57	SOLANO	422,310	128.0	30.3	37.8	31.3	44.4
58	HUMBOLDT	131,757	52.7	40.0	39.5	28.8	50.2

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

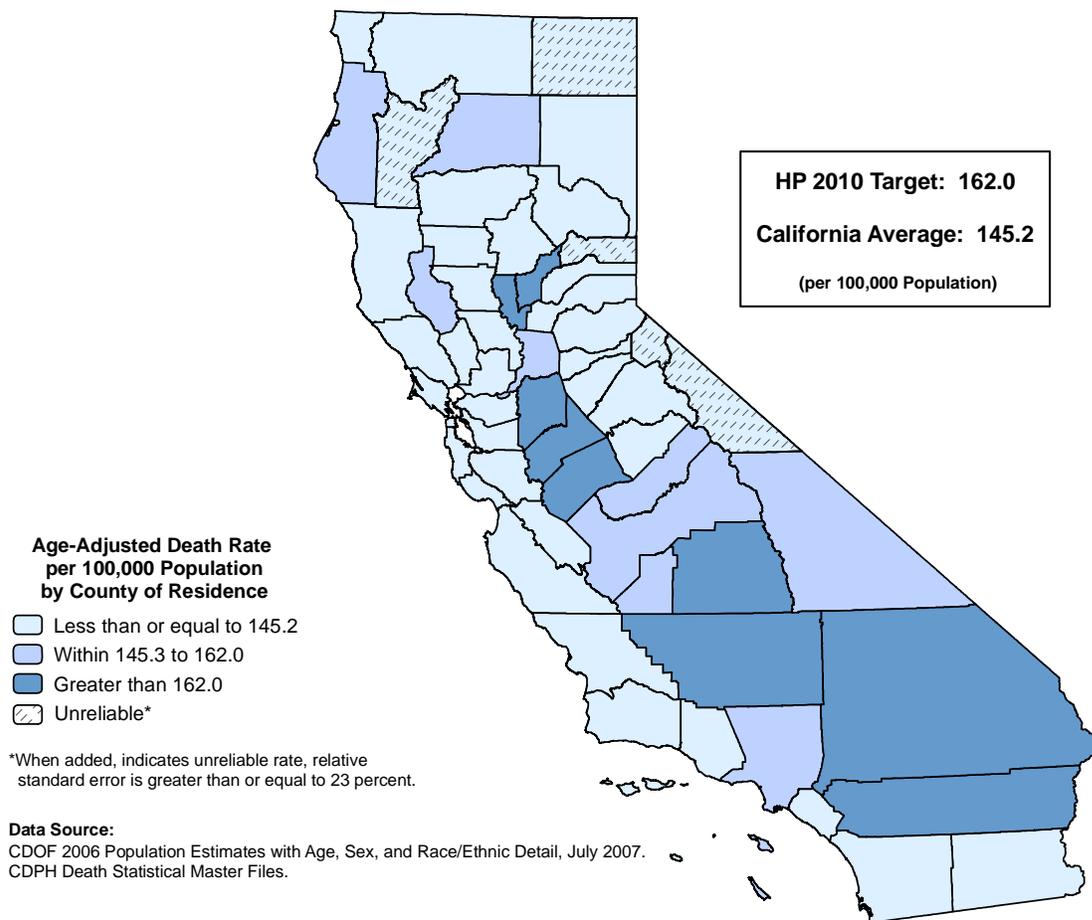
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO CORONARY HEART DISEASE, 2005-2007



The crude death rate from coronary heart disease for California was 132.5 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 755 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 49,518.0 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 242.0 in Inyo County to 69.5 in San Benito County, a factor of 3.5 to 1.

The age-adjusted death rate from coronary heart disease for California during the 2005 to 2007 three-year period was 145.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 232.4 in Kern County to 72.9 in Plumas County.

Forty-nine counties with forty-four demonstrating reliable age-adjusted death rates and California as a whole met the Healthy People 2010 National Objective: 12-1, 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,321	0.7	50.5 *	46.2 *	0.0	159.2
2	MONO	13,886	6.0	43.2 *	47.6 *	6.6	88.7
3	PLUMAS	21,544	24.0	111.4	72.9	43.2	102.6
4	TRINITY	14,535	17.0	117.0 *	86.2 *	43.6	128.7
5	SIERRA	3,680	5.7	154.0 *	87.8 *	14.8	160.7
6	MARIN	252,859	300.3	118.8	88.8	78.6	99.0
7	MODOC	10,336	12.7	122.5 *	93.9 *	39.8	148.0
8	SAN BENITO	57,578	40.0	69.5	96.2	66.1	126.3
9	LASSEN	36,560	31.0	84.8	103.1	66.2	140.1
10	SAN MATEO	726,068	844.0	116.2	104.0	96.9	111.1
11	NAPA	135,346	188.7	139.4	105.5	90.2	120.8
12	CONTRA COSTA	1,031,997	1,112.0	107.8	108.5	102.1	114.9
13	TUOLUMNE	57,642	100.0	173.5	109.4	87.7	131.1
14	SANTA CLARA	1,780,757	1,782.0	100.1	110.4	105.3	115.6
15	MONTEREY	422,015	429.7	101.8	111.7	101.1	122.3
16	SAN LUIS OBISPO	262,799	382.7	145.6	111.9	100.6	123.2
17	SANTA CRUZ	263,308	264.0	100.3	113.2	99.2	127.2
18	EL DORADO	177,647	218.3	122.9	114.2	98.9	129.6
19	SISKIYOU	46,220	79.3	171.6	115.3	89.4	141.3
20	CALAVERAS	45,607	84.7	185.6	116.5	91.4	141.7
21	YOLO	192,538	176.3	91.6	117.1	99.7	134.5
22	NEVADA	99,434	164.7	165.6	117.9	99.6	136.2
23	SAN FRANCISCO	801,522	1,168.0	145.7	119.4	112.5	126.3
24	MARIPOSA	18,449	32.3	175.3	120.9	78.7	163.2
25	PLACER	320,851	458.0	142.7	121.0	109.8	132.1
26	SOLANO	422,310	439.0	104.0	121.5	110.0	133.0
27	SONOMA	480,361	657.3	136.8	122.9	113.3	132.4
28	MENDOCINO	90,509	132.0	145.8	123.0	101.8	144.2
29	SANTA BARBARA	419,574	581.0	138.5	124.3	114.1	134.4
30	SAN DIEGO	3,076,347	3,597.7	116.9	125.4	121.3	129.6
31	ALAMEDA	1,510,695	1,766.3	116.9	125.6	119.6	131.5
32	IMPERIAL	170,233	174.3	102.4	125.8	107.0	144.6
33	DEL NORTE	29,662	39.7	133.7	129.2	88.8	169.5
34	GLENN	29,052	42.0	144.6	134.3	93.6	175.0
35	TEHAMA	61,908	99.3	160.5	134.4	107.8	161.0
36	COLUSA	21,916	27.3	124.7	136.1	84.8	187.4
37	ORANGE	3,078,395	3,698.7	120.1	137.1	132.7	141.5
38	VENTURA	820,242	1,008.7	123.0	137.9	129.3	146.4
39	AMADOR	38,522	79.3	205.9	140.0	108.9	171.1
40	BUTTE	217,241	393.3	181.1	143.5	129.2	157.9
	CALIFORNIA	37,380,870	49,518.0	132.5	145.2	143.9	146.4
41	HUMBOLDT	131,757	196.0	148.8	145.3	124.8	165.8
42	INYO	18,867	45.7	242.0	149.2	105.4	193.1
43	MADERA	146,708	203.7	138.8	153.7	132.5	174.9
44	LAKE	64,473	144.3	223.9	153.8	128.3	179.2
45	SACRAMENTO	1,393,959	1,976.7	141.8	155.5	148.6	162.3
46	KINGS	150,776	138.3	91.7	156.9	130.3	183.5
47	FRESNO	910,627	1,127.3	123.8	159.0	149.7	168.3
48	LOS ANGELES	10,262,451	14,635.3	142.6	160.9	158.3	163.5
49	SHASTA	181,528	350.0	192.8	161.6	144.6	178.6
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (12-1)				162.0		
50	TULARE	426,998	530.3	124.2	165.0	150.9	179.1
51	MERCED	249,737	306.0	122.5	170.6	151.4	189.8
52	SUTTER	93,409	152.0	162.7	171.1	143.8	198.3
53	RIVERSIDE	2,005,477	3,097.7	154.5	174.3	168.2	180.5
54	YUBA	72,821	99.7	136.9	174.5	140.0	209.0
55	SAN JOAQUIN	673,682	1,072.0	159.1	194.1	182.5	205.8
56	STANISLAUS	519,676	844.0	162.4	197.1	183.7	210.4
57	SAN BERNARDINO	2,016,983	2,716.7	134.7	197.2	189.7	204.7
58	KERN	799,475	1,224.3	153.1	232.4	219.2	245.5

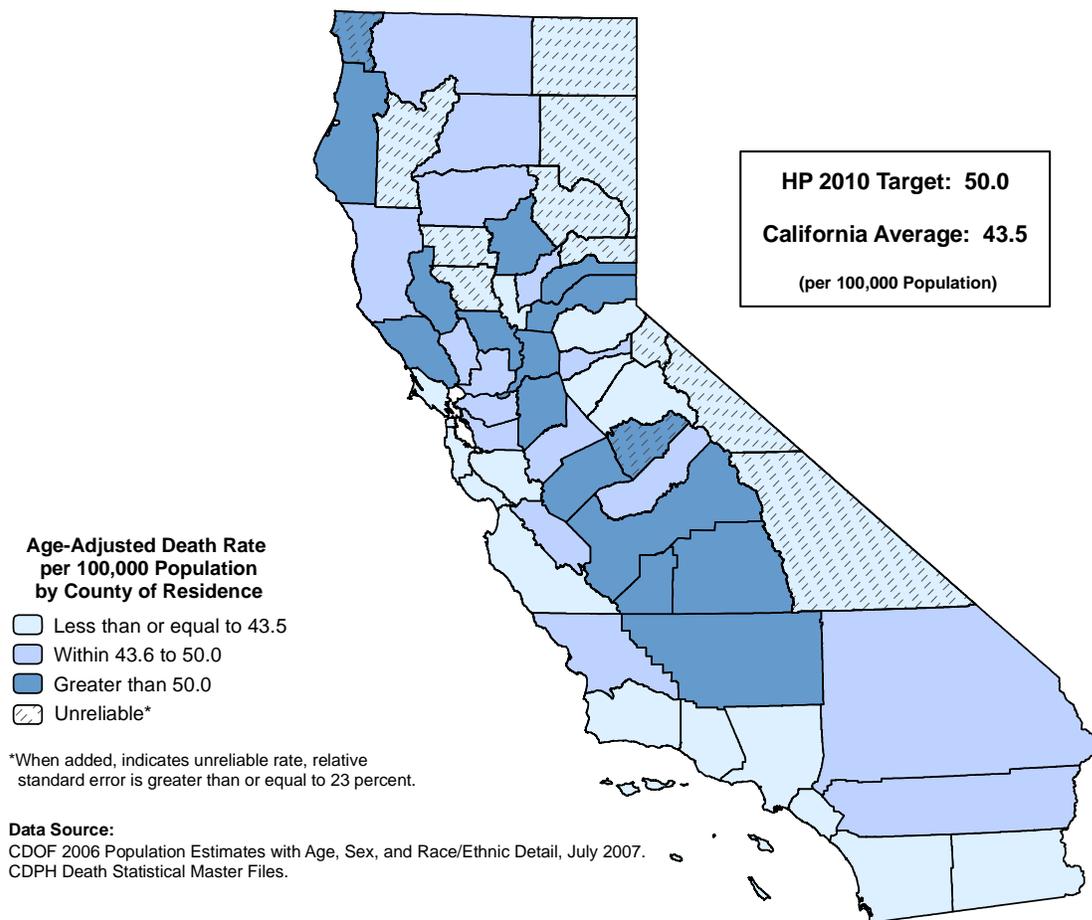
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE), 2005-2007



The crude death rate from cerebrovascular disease for California was 39.5 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,532 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 14,762.0 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 78.1 in Lake County to 29.2 in Kings County, a factor of 2.7 to 1.

The age-adjusted death rate from cerebrovascular disease for California during the 2005 to 2007 three-year period was 43.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 62.9 in Humboldt County to 30.0 in Calaveras County.

Forty-two counties with thirty-two demonstrating reliable age-adjusted death rates and California as a whole met the Healthy People 2010 National Objective: 12-7, 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,321	0.0	-	-	-	-
2	MONO	13,886	2.0	14.4 *	20.8 *	0.0	50.8
3	INYO	18,867	6.3	33.6 *	21.0 *	4.6	37.4
4	SIERRA	3,680	1.3	36.2 *	23.2 *	0.0	63.1
5	CALAVERAS	45,607	21.7	47.5	30.0	17.3	42.7
6	COLUSA	21,916	6.0	27.4 *	30.7 *	6.0	55.4
7	LASSEN	36,560	9.0	24.6 *	33.5 *	11.4	55.5
8	PLUMAS	21,544	11.0	51.1 *	34.1 *	13.3	54.8
9	EL DORADO	177,647	63.7	35.8	34.1	25.7	42.5
10	SANTA CLARA	1,780,757	544.0	30.5	34.1	31.2	37.0
11	TRINITY	14,535	7.3	50.5 *	36.5 *	9.9	63.0
12	IMPERIAL	170,233	52.0	30.5	37.5	27.2	47.7
13	VENTURA	820,242	275.0	33.5	37.7	33.2	42.2
14	MODOC	10,336	5.7	54.8 *	38.0 *	6.7	69.3
15	SANTA CRUZ	263,308	87.7	33.3	38.1	29.9	46.2
16	SUTTER	93,409	33.7	36.0	38.4	25.4	51.4
17	TUOLUMNE	57,642	35.3	61.3	38.5	25.7	51.3
18	LOS ANGELES	10,262,451	3,575.0	34.8	39.5	38.2	40.8
19	MONTEREY	422,015	152.0	36.0	39.5	33.2	45.8
20	SAN MATEO	726,068	321.7	44.3	39.6	35.2	43.9
21	SAN FRANCISCO	801,522	395.0	49.3	40.2	36.2	44.2
22	GLENN	29,052	12.3	42.5 *	40.3 *	17.7	62.9
23	SAN DIEGO	3,076,347	1,162.3	37.8	40.6	38.3	43.0
24	MARIN	252,859	137.7	54.4	40.9	34.0	47.9
25	ORANGE	3,078,395	1,121.0	36.4	41.7	39.2	44.1
26	SANTA BARBARA	419,574	205.3	48.9	43.5	37.5	49.5
	CALIFORNIA	37,380,870	14,762.0	39.5	43.5	42.8	44.2
27	MENDOCINO	90,509	47.0	51.9	43.9	31.2	56.5
28	ALAMEDA	1,510,695	618.3	40.9	43.9	40.4	47.4
29	AMADOR	38,522	25.0	64.9	44.9	27.3	62.6
30	SAN BERNARDINO	2,016,983	647.0	32.1	47.1	43.4	50.8
31	SAN BENITO	57,578	19.3	33.6	47.3	26.0	68.5
32	MADERA	146,708	62.3	42.5	47.5	35.7	59.4
33	SISKIYOU	46,220	34.0	73.6	47.6	31.5	63.6
34	STANISLAUS	519,676	204.7	39.4	47.7	41.1	54.2
35	RIVERSIDE	2,005,477	852.7	42.5	47.9	44.6	51.1
36	CONTRA COSTA	1,031,997	487.3	47.2	48.1	43.8	52.4
37	TEHAMA	61,908	36.3	58.7	48.2	32.5	63.9
38	SAN LUIS OBISPO	262,799	168.3	64.1	48.3	41.0	55.7
39	SHASTA	181,528	103.3	56.9	48.4	39.0	57.7
40	YUBA	72,821	27.3	37.5	48.9	30.5	67.4
41	NAPA	135,346	87.3	64.5	49.1	38.6	59.6
42	SOLANO	422,310	174.3	41.3	49.3	41.9	56.7
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (12-7)			50.0			
43	MARIPOSA	18,449	12.7	68.7 *	50.4 *	22.1	78.6
44	KINGS	150,776	44.0	29.2	50.5	35.3	65.7
45	SAN JOAQUIN	673,682	282.0	41.9	50.9	44.9	56.8
46	TULARE	426,998	165.0	38.6	51.2	43.4	59.1
47	KERN	799,475	273.3	34.2	51.3	45.1	57.4
48	PLACER	320,851	199.0	62.0	52.3	45.0	59.6
49	BUTTE	217,241	148.0	68.1	52.3	43.8	60.9
50	DEL NORTE	29,662	15.7	52.8 *	52.8 *	26.6	79.0
51	YOLO	192,538	77.7	40.3	52.9	41.1	64.7
52	NEVADA	99,434	74.0	74.4	53.0	40.9	65.2
53	LAKE	64,473	50.3	78.1	54.2	39.2	69.3
54	SONOMA	480,361	295.7	61.6	55.8	49.3	62.2
55	SACRAMENTO	1,393,959	703.7	50.5	56.0	51.8	60.1
56	FRESNO	910,627	395.3	43.4	56.1	50.5	61.6
57	MERCED	249,737	103.3	41.4	58.4	47.1	69.7
58	HUMBOLDT	131,757	83.7	63.5	62.9	49.4	76.4

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

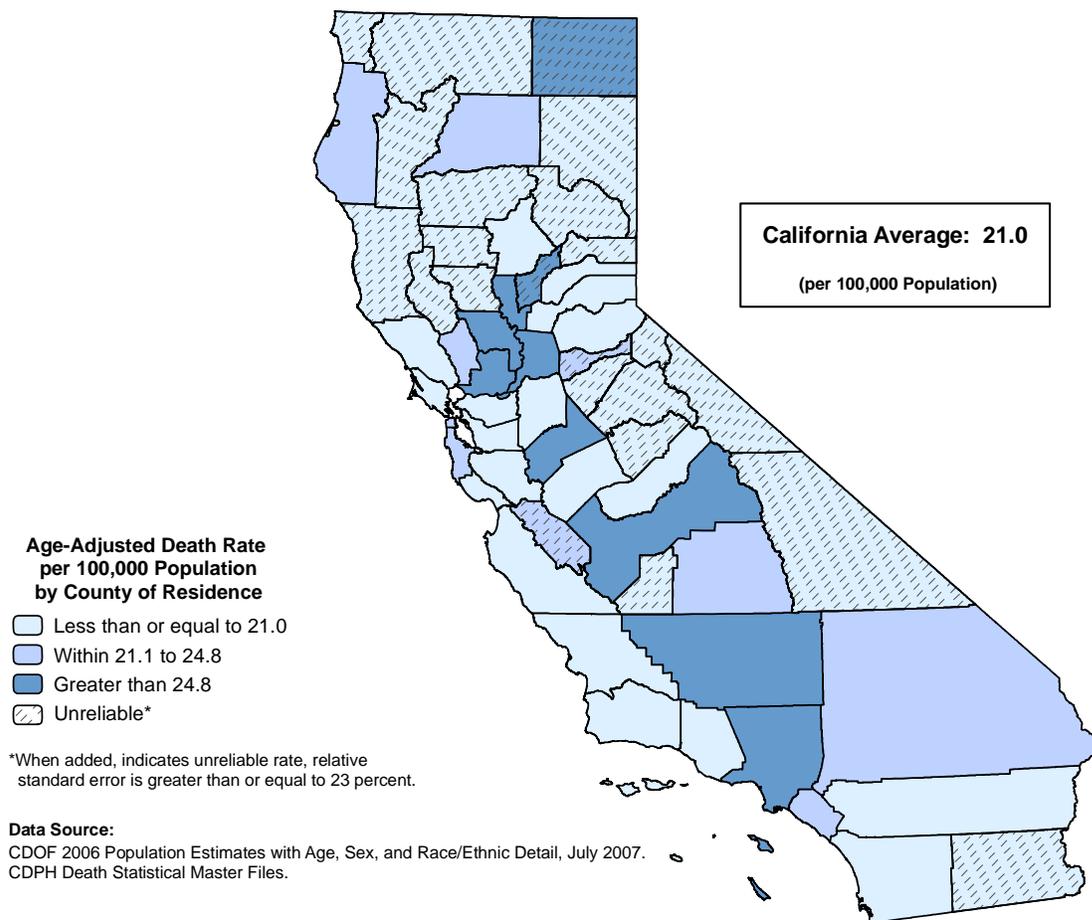
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO INFLUENZA/PNEUMONIA, 2005-2007



The crude death rate from influenza/pneumonia for California was 19.1 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 5,243 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 7,129.3 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 31.3 in Napa County to 10.8 in Merced County, a factor of 2.9 to 1.

The age-adjusted death rate from influenza/pneumonia for California during the 2005 to 2007 three-year period was 21.0 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 36.4 in Yolo County to 12.5 in San Luis Obispo 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:					NONE		
1	ALPINE	1,321	0.0	-	-	-	-
2	SIERRA	3,680	0.3	9.1 *	6.7 *	0.0	29.3
3	MONO	13,886	1.0	7.2 *	8.1 *	0.0	24.6
4	LASSEN	36,560	2.3	6.4 *	9.1 *	0.0	20.7
5	IMPERIAL	170,233	15.0	8.8 *	11.0 *	5.4	16.7
6	COLUSA	21,916	2.3	10.6 *	11.4 *	0.0	26.1
7	SAN LUIS OBISPO	262,799	42.7	16.2	12.5	8.7	16.4
8	SAN DIEGO	3,076,347	370.3	12.0	12.8	11.5	14.1
9	INYO	18,867	4.3	23.0 *	13.7 *	0.8	26.7
10	MONTEREY	422,015	55.7	13.2	14.3	10.5	18.1
11	MARIN	252,859	50.3	19.9	14.3	10.3	18.4
12	CALAVERAS	45,607	10.3	22.7 *	14.4 *	5.6	23.3
13	PLUMAS	21,544	4.3	20.1 *	14.6 *	0.1	29.1
14	MERCED	249,737	27.0	10.8	15.1	9.4	20.9
15	GLENN	29,052	5.0	17.2 *	15.3 *	1.9	28.6
16	MARIPOSA	18,449	4.0	21.7 *	15.4 *	0.3	30.5
17	MADERA	146,708	20.0	13.6	15.4	8.6	22.2
18	DEL NORTE	29,662	4.7	15.7 *	15.4 *	1.4	29.5
19	MENDOCINO	90,509	16.7	18.4 *	15.6 *	8.1	23.2
20	EL DORADO	177,647	29.0	16.3	15.7	9.9	21.4
21	TRINITY	14,535	3.0	20.6 *	15.7 *	0.0	33.5
22	SANTA BARBARA	419,574	76.0	18.1	15.8	12.2	19.4
23	TUOLUMNE	57,642	14.0	24.3 *	15.9 *	7.4	24.3
24	RIVERSIDE	2,005,477	294.3	14.7	16.5	14.6	18.4
25	VENTURA	820,242	121.0	14.8	16.6	13.7	19.6
26	NEVADA	99,434	24.0	24.1	17.1	10.3	24.0
27	ALAMEDA	1,510,695	240.0	15.9	17.1	14.9	19.3
28	KINGS	150,776	15.0	9.9 *	17.1 *	8.3	26.0
29	SANTA CRUZ	263,308	40.0	15.2	17.3	11.8	22.8
30	LAKE	64,473	16.0	24.8 *	17.5 *	8.8	26.2
31	PLACER	320,851	68.3	21.3	18.1	13.8	22.5
32	SONOMA	480,361	99.3	20.7	18.5	14.8	22.2
33	CONTRA COSTA	1,031,997	191.7	18.6	18.8	16.2	21.5
34	BUTTE	217,241	54.7	25.2	19.5	14.2	24.7
35	SISKIYOU	46,220	13.0	28.1 *	19.5 *	8.6	30.4
36	SANTA CLARA	1,780,757	314.0	17.6	19.7	17.5	21.9
37	TEHAMA	61,908	15.0	24.2 *	20.0 *	9.8	30.2
38	SAN JOAQUIN	673,682	113.3	16.8	20.6	16.8	24.3
	CALIFORNIA	37,380,870	7,129.3	19.1	21.0	20.5	21.5
39	ORANGE	3,078,395	564.0	18.3	21.1	19.4	22.9
40	HUMBOLDT	131,757	28.7	21.8	21.3	13.5	29.2
41	SAN BERNARDINO	2,016,983	299.7	14.9	22.2	19.7	24.8
42	SAN BENITO	57,578	9.3	16.2 *	22.8 *	8.0	37.5
43	TULARE	426,998	74.0	17.3	22.8	17.6	28.0
44	NAPA	135,346	42.3	31.3	23.0	15.9	30.0
45	AMADOR	38,522	13.0	33.7 *	23.0 *	10.4	35.7
46	SHASTA	181,528	51.3	28.3	24.1	17.5	30.7
47	SAN FRANCISCO	801,522	247.0	30.8	24.2	21.2	27.3
48	SAN MATEO	726,068	201.7	27.8	24.4	21.0	27.8
49	LOS ANGELES	10,262,451	2,267.3	22.1	25.3	24.2	26.3
50	SACRAMENTO	1,393,959	317.3	22.8	25.3	22.5	28.1
51	STANISLAUS	519,676	110.7	21.3	25.8	21.0	30.6
52	FRESNO	910,627	183.7	20.2	26.0	22.2	29.8
53	MODOC	10,336	4.0	38.7 *	26.5 *	0.5	52.5
54	SOLANO	422,310	95.3	22.6	27.3	21.8	32.8
55	SUTTER	93,409	24.0	25.7	27.5	16.5	38.5
56	YUBA	72,821	15.3	21.1 *	27.9 *	13.9	41.9
57	KERN	799,475	149.3	18.7	28.4	23.8	33.1
58	YOLO	192,538	53.3	27.7	36.4	26.6	46.2

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

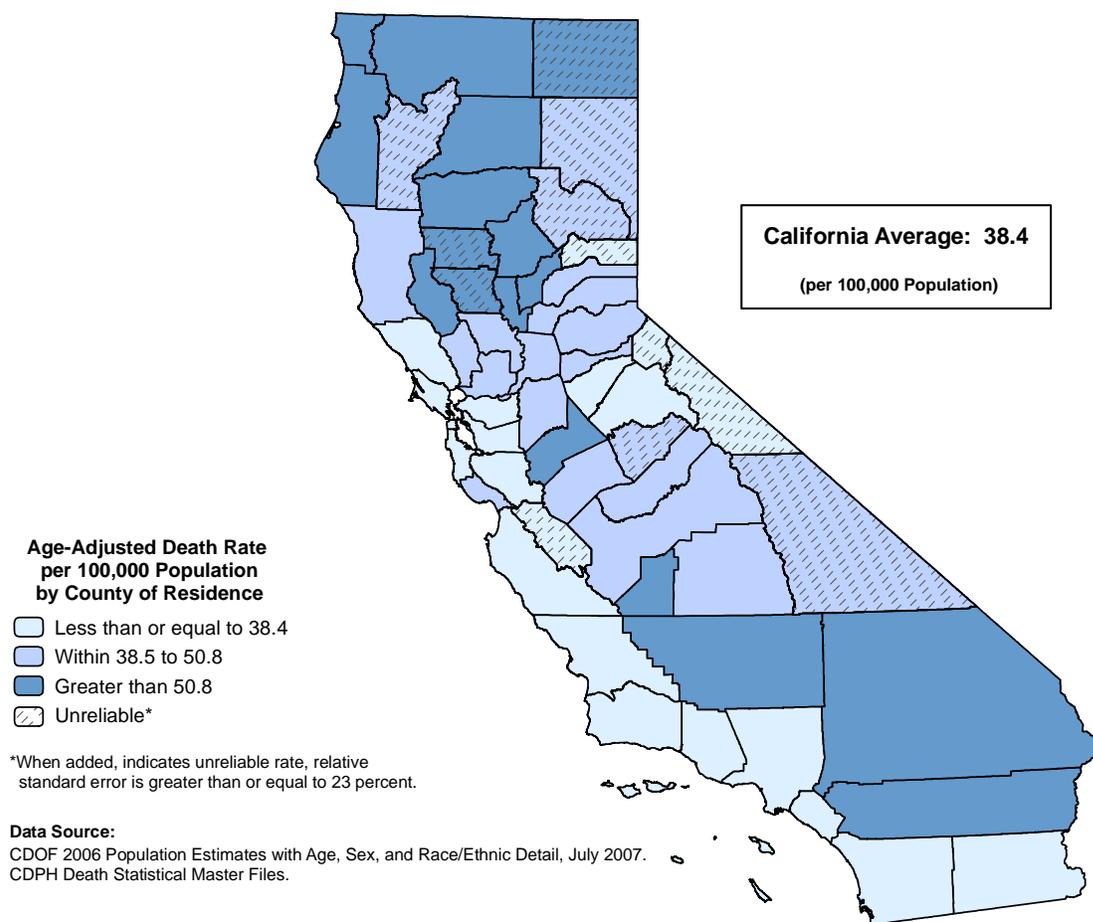
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO CHRONIC LOWER RESPIRATORY DISEASE, 2005-2007



The crude death rate from chronic lower respiratory disease deaths for California was 34.3 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,915 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 12,823.7 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 102.4 in Lake County to 23.3 in Imperial County, a factor of 4.4 to 1.

The age-adjusted death rate from chronic lower respiratory disease deaths for California during the 2005 to 2007 three-year period was 38.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 83.0 in Yuba County to 24.8 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE: NONE							
1	MONO	13,886	0.0	-	-	-	-
2	SIERRA	3,680	1.0	27.2 *	14.4 *	0.0	42.7
3	SAN FRANCISCO	801,522	235.3	29.4	24.8	21.6	27.9
4	SANTA CLARA	1,780,757	426.3	23.9	27.2	24.6	29.8
5	IMPERIAL	170,233	39.7	23.3	28.6	19.7	37.6
6	SAN MATEO	726,068	225.7	31.1	29.0	25.2	32.8
7	MARIN	252,859	96.3	38.1	29.7	23.7	35.7
8	SANTA BARBARA	419,574	141.7	33.8	30.5	25.4	35.6
9	ALAMEDA	1,510,695	421.3	27.9	31.0	28.0	34.0
10	LOS ANGELES	10,262,451	2,849.3	27.8	32.0	30.8	33.2
11	TUOLUMNE	57,642	29.3	50.9	32.0	20.3	43.8
12	MONTEREY	422,015	121.7	28.8	32.3	26.6	38.1
13	SAN LUIS OBISPO	262,799	110.7	42.1	32.9	26.8	39.1
14	ORANGE	3,078,395	873.3	28.4	33.3	31.0	35.5
15	SAN BENITO	57,578	14.0	24.3 *	33.4 *	15.7	51.1
16	VENTURA	820,242	260.0	31.7	36.5	32.0	40.9
17	CONTRA COSTA	1,031,997	370.7	35.9	36.9	33.1	40.7
18	ALPINE	1,321	0.7	50.5 *	37.0 *	0.0	125.8
19	SONOMA	480,361	190.0	39.6	38.0	32.5	43.4
20	CALAVERAS	45,607	27.3	59.9	38.0	23.5	52.5
21	SAN DIEGO	3,076,347	1,065.7	34.6	38.1	35.8	40.4
	CALIFORNIA	37,380,870	12,823.7	34.3	38.4	37.8	39.1
22	LASSEN	36,560	11.3	31.0 *	38.8 *	15.9	61.8
23	AMADOR	38,522	23.3	60.6	39.9	23.7	56.1
24	SANTA CRUZ	263,308	87.0	33.0	40.6	31.9	49.3
25	NAPA	135,346	70.7	52.2	41.5	31.7	51.3
26	MADERA	146,708	55.3	37.7	42.6	31.3	53.9
27	PLACER	320,851	158.0	49.2	42.7	36.0	49.3
28	FRESNO	910,627	299.0	32.8	42.8	37.9	47.7
29	MARIPOSA	18,449	12.0	65.0 *	44.3 *	19.1	69.5
30	EL DORADO	177,647	84.3	47.5	44.3	34.8	53.9
31	SACRAMENTO	1,393,959	552.7	39.6	44.6	40.8	48.3
32	SOLANO	422,310	158.7	37.6	45.2	38.1	52.3
33	NEVADA	99,434	63.3	63.7	45.3	34.1	56.5
34	INYO	18,867	13.3	70.7 *	45.9 *	20.7	71.1
35	MENDOCINO	90,509	49.3	54.5	46.6	33.5	59.7
36	TULARE	426,998	151.0	35.4	46.9	39.4	54.4
37	MERCED	249,737	83.0	33.2	47.1	36.9	57.2
38	SAN JOAQUIN	673,682	273.0	40.5	49.9	43.9	55.8
39	TRINITY	14,535	10.7	73.4 *	50.8 *	20.1	81.5
40	PLUMAS	21,544	17.0	78.9 *	50.8 *	26.6	75.1
41	YOLO	192,538	74.3	38.6	50.8	39.2	62.4
42	STANISLAUS	519,676	218.3	42.0	51.3	44.5	58.1
43	KINGS	150,776	44.3	29.4	51.8	36.4	67.2
44	RIVERSIDE	2,005,477	928.7	46.3	52.7	49.3	56.1
45	GLENN	29,052	16.3	56.2 *	53.1 *	27.3	79.0
46	BUTTE	217,241	150.0	69.0	56.2	47.1	65.2
47	COLUSA	21,916	11.0	50.2 *	57.4 *	23.4	91.5
48	SAN BERNARDINO	2,016,983	807.3	40.0	59.2	55.0	63.3
49	HUMBOLDT	131,757	80.0	60.7	59.3	46.2	72.4
50	SISKIYOU	46,220	41.7	90.1	60.0	41.6	78.4
51	SUTTER	93,409	53.7	57.5	60.5	44.3	76.7
52	MODOC	10,336	9.7	93.5 *	65.7 *	24.2	107.2
53	LAKE	64,473	66.0	102.4	68.6	51.9	85.3
54	SHASTA	181,528	149.7	82.4	68.7	57.6	79.7
55	KERN	799,475	373.3	46.7	69.6	62.4	76.7
56	DEL NORTE	29,662	21.7	73.0	71.5	41.3	101.7
57	TEHAMA	61,908	56.7	91.5	75.1	55.5	94.7
58	YUBA	72,821	48.0	65.9	83.0	59.4	106.6

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

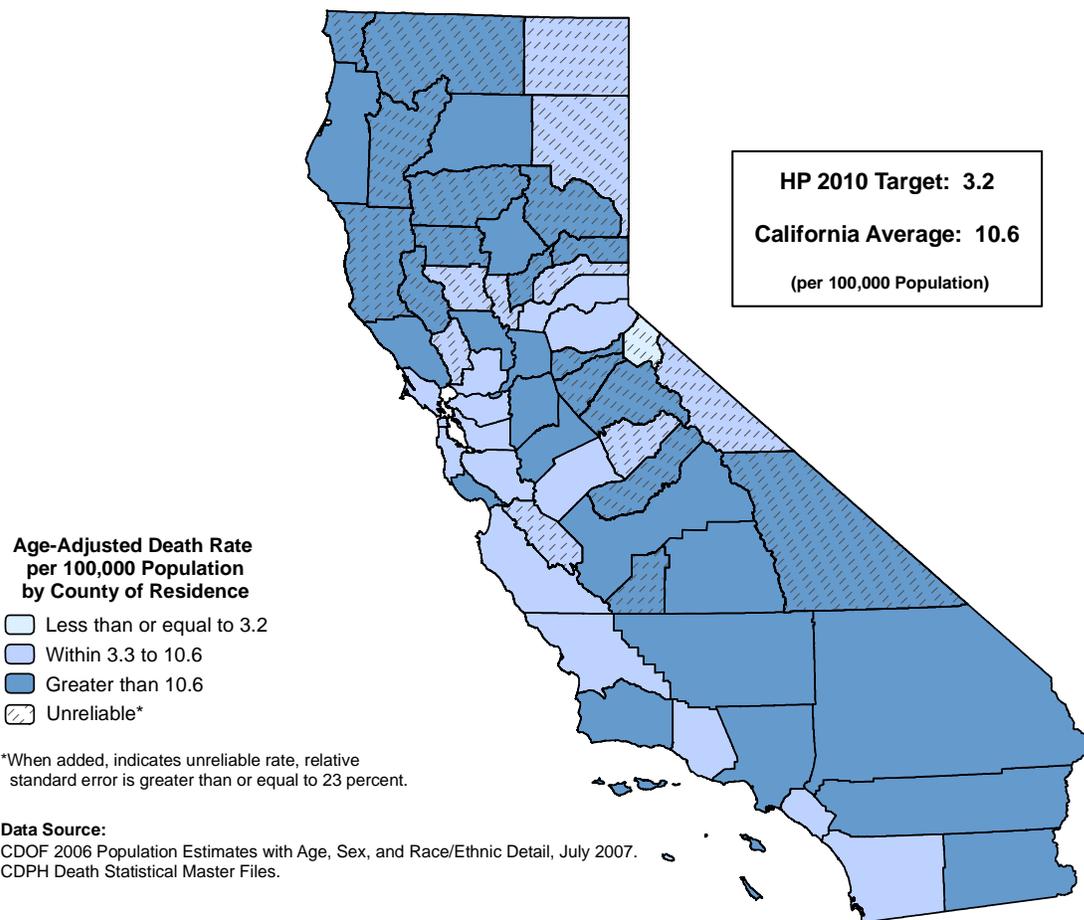
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS, 2005-2007



The crude death rate from chronic liver disease and cirrhosis for California was 10.4 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 9,587 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 3,899.0 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 21.4 in Mendocino County to 8.0 in Marin County, a factor of 2.7 to 1.

The age-adjusted death rate from chronic liver disease and cirrhosis for California during the 2005 to 2007 three-year period was 10.6 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 16.9 in Shasta County to 6.3 in Marin County.

One county with an unreliable age-adjusted death rate, relative standard error of measurement is greater than or equal to 23 percent, met the Healthy People 2010 National Objective: 26-2, no more than 3.2 age-adjusted deaths due to chronic liver disease and cirrhosis per 100,000 population. The statewide age-adjusted death rate for chronic liver disease and cirrhosis did not meet the national objective.

**TABLE 13
DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,321	0.0	-	-	-	-
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (26-2)						3.2	
2	LASSEN	36,560	2.0	5.5 *	5.0 *	0.0	11.9
3	MONO	13,886	0.7	4.8 *	6.1 *	0.0	22.2
4	MARIN	252,859	20.3	8.0	6.3	3.5	9.1
5	COLUSA	21,916	1.3	6.1 *	6.4 *	0.0	17.4
6	MARIPOSA	18,449	1.7	9.0 *	6.8 *	0.0	17.9
7	NEVADA	99,434	10.0	10.1 *	7.1 *	2.6	11.6
8	SAN LUIS OBISPO	262,799	22.0	8.4	7.5	4.3	10.7
9	MODOC	10,336	1.0	9.7 *	7.8 *	0.0	23.2
10	PLACER	320,851	29.7	9.2	7.9	5.0	10.8
11	SANTA CLARA	1,780,757	148.3	8.3	8.2	6.9	9.5
12	SAN MATEO	726,068	66.0	9.1	8.4	6.3	10.4
13	CONTRA COSTA	1,031,997	95.3	9.2	8.6	6.8	10.3
14	SAN FRANCISCO	801,522	77.7	9.7	8.7	6.8	10.7
15	SOLANO	422,310	38.0	9.0	8.9	6.0	11.8
16	ORANGE	3,078,395	267.0	8.7	8.9	7.9	10.0
17	SAN DIEGO	3,076,347	273.0	8.9	9.0	7.9	10.1
18	ALAMEDA	1,510,695	141.3	9.4	9.1	7.6	10.6
19	SUTTER	93,409	8.7	9.3 *	9.2 *	3.1	15.4
20	VENTURA	820,242	79.3	9.7	9.6	7.5	11.8
21	NAPA	135,346	14.7	10.8 *	9.8 *	4.7	14.9
22	MONTEREY	422,015	39.3	9.3	10.0	6.9	13.2
23	EL DORADO	177,647	22.7	12.8	10.1	5.8	14.3
24	SAN BENITO	57,578	5.3	9.3 *	10.3 *	1.4	19.1
25	MERCED	249,737	21.3	8.5	10.6	6.1	15.2
CALIFORNIA		37,380,870	3,899.0	10.4	10.6	10.3	11.0
26	GLENN	29,052	3.0	10.3 *	10.9 *	0.0	23.3
27	SACRAMENTO	1,393,959	151.7	10.9	11.0	9.3	12.8
28	AMADOR	38,522	5.7	14.7 *	11.0 *	1.8	20.2
29	SANTA BARBARA	419,574	47.3	11.3	11.1	7.9	14.2
30	STANISLAUS	519,676	51.0	9.8	11.1	8.0	14.2
31	PLUMAS	21,544	3.0	13.9 *	11.1 *	0.0	24.5
32	SANTA CRUZ	263,308	30.3	11.5	11.1	7.0	15.2
33	LOS ANGELES	10,262,451	1,098.7	10.7	11.1	10.5	11.8
34	RIVERSIDE	2,005,477	215.3	10.7	11.9	10.3	13.5
35	MADERA	146,708	17.0	11.6 *	12.0 *	6.3	17.7
36	SONOMA	480,361	63.0	13.1	12.0	9.0	15.0
37	SIERRA	3,680	0.7	18.1 *	12.1 *	0.0	41.8
38	CALAVERAS	45,607	8.3	18.3 *	12.3 *	3.4	21.2
39	DEL NORTE	29,662	4.0	13.5 *	12.3 *	0.2	24.5
40	BUTTE	217,241	29.3	13.5	12.4	7.9	17.0
41	KINGS	150,776	15.3	10.2 *	12.9 *	6.3	19.4
42	SAN BERNARDINO	2,016,983	224.0	11.1	13.0	11.3	14.7
43	YOLO	192,538	22.0	11.4	13.3	7.7	18.9
44	FRESNO	910,627	107.7	11.8	13.9	11.2	16.5
45	SAN JOAQUIN	673,682	84.0	12.5	14.1	11.0	17.1
46	TUOLUMNE	57,642	11.7	20.2 *	14.5 *	5.8	23.3
47	HUMBOLDT	131,757	22.0	16.7	14.7	8.5	21.0
48	TULARE	426,998	53.7	12.6	15.1	11.0	19.1
49	KERN	799,475	102.7	12.8	15.4	12.4	18.4
50	IMPERIAL	170,233	24.0	14.1	15.5	9.3	21.7
51	YUBA	72,821	10.0	13.7 *	15.6 *	5.9	25.2
52	SHASTA	181,528	36.3	20.0	16.9	11.3	22.4
53	MENDOCINO	90,509	19.3	21.4	17.7 *	9.6	25.8
54	TEHAMA	61,908	12.0	19.4 *	17.8 *	7.6	28.0
55	SISKIYOU	46,220	10.3	22.4 *	20.4 *	7.1	33.7
56	LAKE	64,473	18.7	29.0 *	22.0 *	11.6	32.3
57	INYO	18,867	5.7	30.0 *	23.2 *	3.1	43.3
58	TRINITY	14,535	4.7	32.1 *	25.9 *	1.0	50.8

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

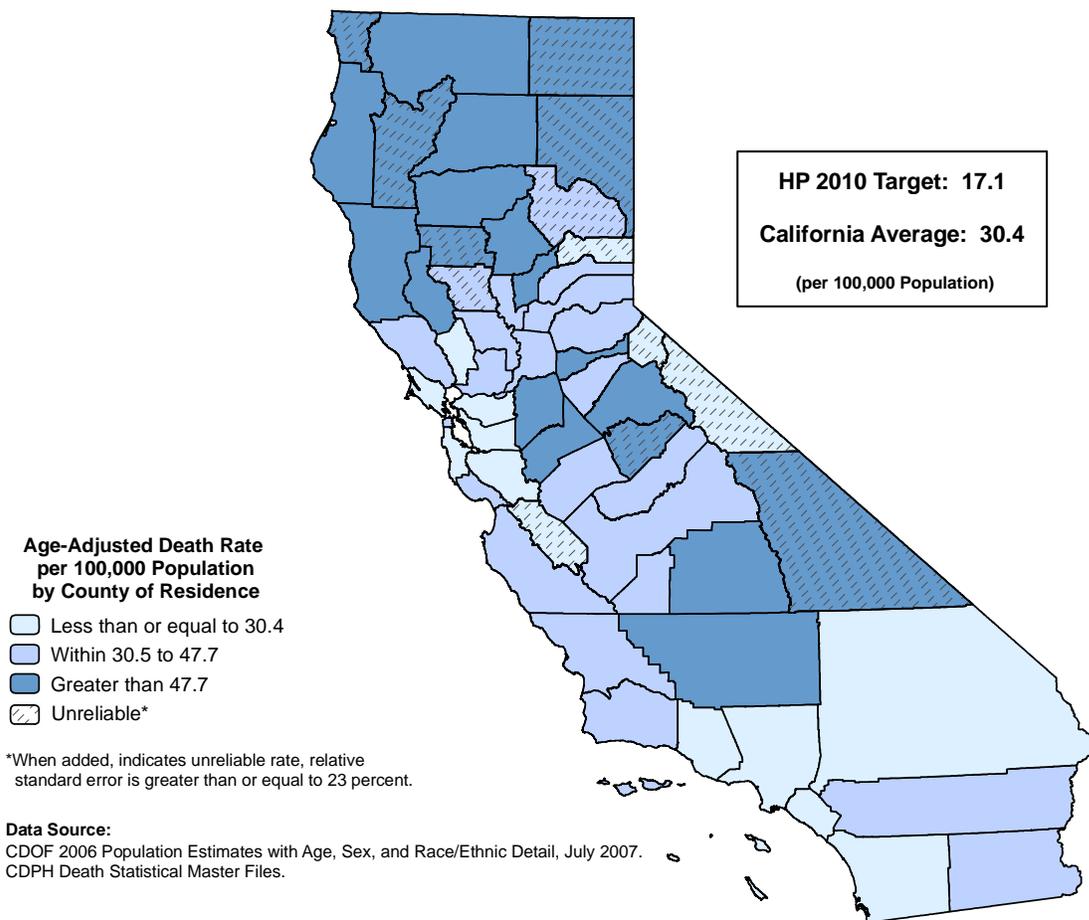
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES), 2005-2007



The crude death rate from accidents (unintentional injuries) for California was 30.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 3,339 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 11,196.0 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 83.2 in Lake County to 20.6 in Santa Clara County, a factor of 4.0 to 1.

The age-adjusted death rate from accidents for California during the 2005 to 2007 three-year period was 30.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 75.5 in Lake County to 20.2 in San Mateo County.

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

**TABLE 14
DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES)
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-13)					17.1		
1	MONO	13,886	3.0	21.6 *	19.6 *	0.0	42.4
2	SAN MATEO	726,068	156.0	21.5	20.2	17.0	23.4
3	MARIN	252,859	60.0	23.7	20.7	15.2	26.2
4	SANTA CLARA	1,780,757	366.0	20.6	21.2	19.1	23.4
5	ORANGE	3,078,395	672.7	21.9	22.4	20.7	24.2
6	LOS ANGELES	10,262,451	2,288.7	22.3	23.0	22.1	23.9
7	SIERRA	3,680	1.0	27.2 *	23.3 *	0.0	68.9
8	CONTRA COSTA	1,031,997	284.0	27.5	27.3	24.1	30.5
9	NAPA	135,346	40.7	30.0	27.4	18.8	36.0
10	ALPINE	1,321	0.3	25.2 *	28.1 *	0.0	123.4
11	SAN BENITO	57,578	14.7	25.5 *	28.3 *	13.5	43.1
12	ALAMEDA	1,510,695	433.0	28.7	28.4	25.7	31.1
13	VENTURA	820,242	239.3	29.2	29.7	25.9	33.5
14	SAN DIEGO	3,076,347	929.0	30.2	30.3	28.3	32.3
15	SAN BERNARDINO	2,016,983	569.3	28.2	30.4	27.8	33.0
CALIFORNIA		37,380,870	11,196.0	30.0	30.4	29.9	31.0
16	MONTEREY	422,015	125.7	29.8	31.1	25.6	36.6
17	SANTA BARBARA	419,574	139.0	33.1	31.9	26.6	37.3
18	SANTA CRUZ	263,308	86.0	32.7	32.6	25.6	39.7
19	SAN FRANCISCO	801,522	297.7	37.1	33.0	29.1	36.8
20	SONOMA	480,361	170.3	35.5	33.6	28.5	38.8
21	SOLANO	422,310	138.7	32.8	33.9	28.2	39.6
22	PLACER	320,851	111.7	34.8	34.2	27.7	40.8
23	COLUSA	21,916	7.3	33.5 *	34.3 *	9.1	59.4
24	YOLO	192,538	62.3	32.4	35.5	26.5	44.5
25	RIVERSIDE	2,005,477	708.7	35.3	36.8	34.0	39.5
26	SACRAMENTO	1,393,959	514.7	36.9	37.6	34.3	40.8
27	SUTTER	93,409	34.3	36.8	37.9	25.1	50.7
28	SAN LUIS OBISPO	262,799	113.3	43.1	40.6	32.9	48.3
29	KINGS	150,776	56.0	37.1	40.9	29.7	52.2
30	FRESNO	910,627	349.0	38.3	41.4	37.0	45.8
31	IMPERIAL	170,233	72.0	42.3	41.7	31.6	51.7
32	PLUMAS	21,544	10.7	49.5 *	42.7 *	14.9	70.5
33	CALAVERAS	45,607	24.0	52.6	43.2	24.2	62.3
34	MERCED	249,737	98.7	39.5	44.2	35.3	53.1
35	MADERA	146,708	64.7	44.1	45.4	34.2	56.5
36	NEVADA	99,434	48.7	48.9	45.5	31.4	59.7
37	EL DORADO	177,647	85.3	48.0	47.7	37.0	58.3
38	INYO	18,867	10.0	53.0 *	48.0 *	15.7	80.2
39	LASSEN	36,560	17.0	46.5 *	48.2 *	24.7	71.7
40	TULARE	426,998	197.7	46.3	48.8	41.8	55.7
41	SAN JOAQUIN	673,682	308.0	45.7	49.8	44.2	55.4
42	TEHAMA	61,908	31.3	50.6	49.9	32.0	67.8
43	KERN	799,475	368.0	46.0	50.1	44.8	55.3
44	MENDOCINO	90,509	47.7	52.7	51.0	36.0	66.0
45	MODOC	10,336	5.3	51.6 *	51.0 *	4.2	97.9
46	DEL NORTE	29,662	16.7	56.2 *	52.8 *	27.3	78.4
47	MARIPOSA	18,449	10.7	57.8 *	53.3 *	19.0	87.5
48	AMADOR	38,522	23.7	61.4	53.4	30.7	76.1
49	STANISLAUS	519,676	256.7	49.4	54.1	47.4	60.8
50	SHASTA	181,528	105.3	58.0	55.6	44.7	66.5
51	BUTTE	217,241	132.3	60.9	58.5	48.3	68.7
52	GLENN	29,052	17.0	58.5 *	59.4 *	30.7	88.0
53	SISKIYOU	46,220	29.3	63.5	59.6	36.3	82.8
54	TUOLUMNE	57,642	38.0	65.9	59.8	39.4	80.2
55	YUBA	72,821	44.3	60.9	66.5	46.7	86.4
56	HUMBOLDT	131,757	94.0	71.3	69.7	55.4	84.0
57	LAKE	64,473	53.7	83.2	75.5	54.0	97.1
58	TRINITY	14,535	13.0	89.4 *	95.8 *	37.0	154.6

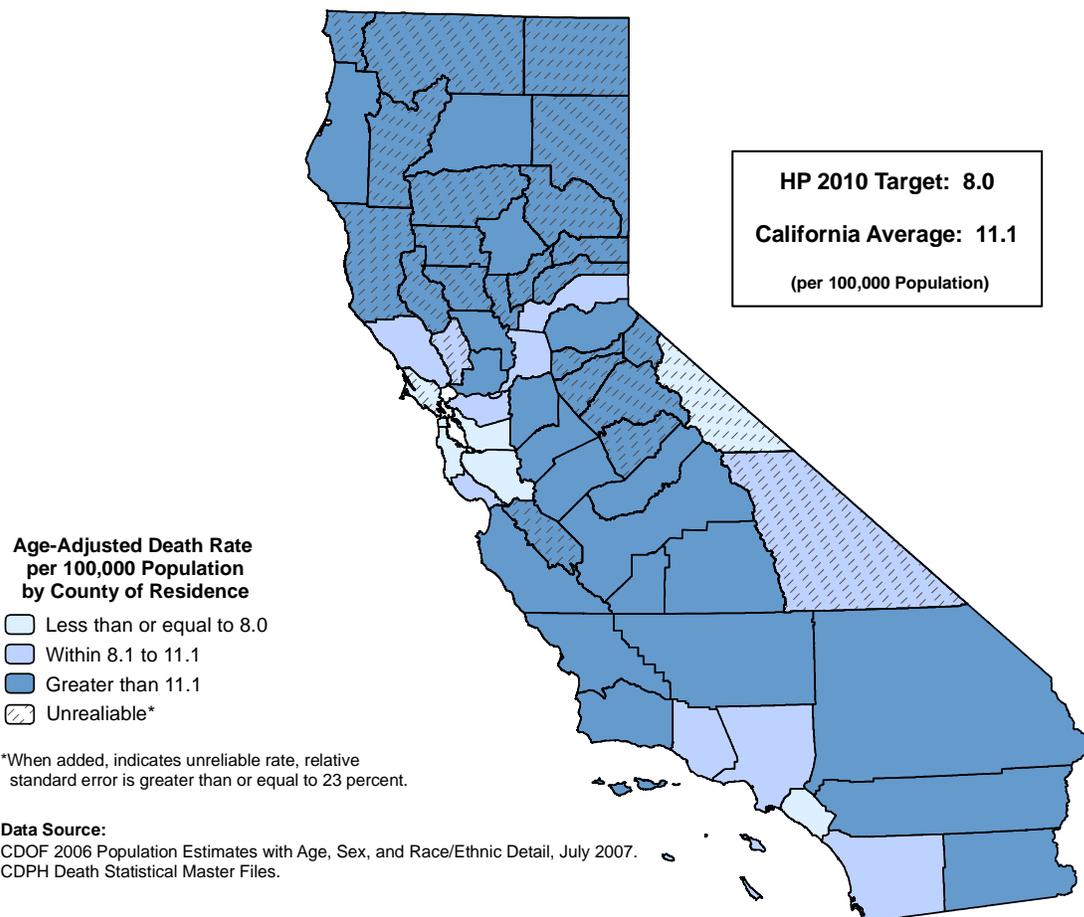
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO MOTOR VEHICLE TRAFFIC, 2005-2007



The crude death rate from motor vehicle traffic deaths for California was 11.1 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 9,015 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 4,146.7 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 25.0 in Tulare County to 5.4 in San Mateo County, a factor of 4.6 to 1.

The age-adjusted death rate from motor vehicle traffic deaths for California during the 2005 to 2007 three-year period was 11.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 24.6 in Tulare County to 5.3 in San Francisco County.

Seven counties with five demonstrating reliable age-adjusted death rates met the Healthy People 2010 National Objective: 15-15a, no more than 8.0 age-adjusted deaths due to motor vehicle traffic deaths per 100,000 population. The statewide age-adjusted death rate for motor vehicle traffic deaths did not meet the national objective.

**TABLE 15
DEATHS DUE TO MOTOR VEHICLE TRAFFIC
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	13,886	0.7	4.8 *	3.6 *	0.0	12.3
2	MARIN	252,859	12.0	4.7 *	4.7 *	1.9	7.5
3	SAN FRANCISCO	801,522	44.0	5.5	5.3	3.7	7.0
4	SAN MATEO	726,068	39.3	5.4	5.4	3.7	7.1
5	SANTA CLARA	1,780,757	118.0	6.6	6.9	5.6	8.2
6	ORANGE	3,078,395	227.3	7.4	7.5	6.5	8.4
7	ALAMEDA	1,510,695	113.3	7.5	7.5	6.1	8.9
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-15a)						8.0	
8	CONTRA COSTA	1,031,997	88.0	8.5	8.4	6.7	10.2
9	LOS ANGELES	10,262,451	907.7	8.8	9.1	8.5	9.7
10	SANTA CRUZ	263,308	26.3	10.0	9.9	6.0	13.7
11	NAPA	135,346	13.0	9.6 *	9.9 *	4.5	15.4
12	VENTURA	820,242	83.0	10.1	10.0	7.8	12.2
13	SAN DIEGO	3,076,347	314.0	10.2	10.2	9.1	11.4
14	PLACER	320,851	33.0	10.3	10.7	6.9	14.5
15	SACRAMENTO	1,393,959	152.0	10.9	10.9	9.2	12.6
16	SONOMA	480,361	54.3	11.3	11.0	8.0	14.0
17	INYO	18,867	2.3	12.4 *	11.1 *	0.0	25.9
CALIFORNIA		37,380,870	4,146.7	11.1	11.1	10.8	11.5
18	SANTA BARBARA	419,574	49.3	11.8	11.5	8.2	14.7
19	YOLO	192,538	24.0	12.5	12.0	7.1	17.0
20	MONTEREY	422,015	51.3	12.2	12.5	9.0	15.9
21	SHASTA	181,528	24.3	13.4	13.1	7.8	18.5
22	SOLANO	422,310	58.3	13.8	13.7	10.2	17.2
23	NEVADA	99,434	14.3	14.4 *	14.0 *	6.0	22.0
24	SAN JOAQUIN	673,682	94.0	14.0	14.6	11.6	17.6
25	SAN BENITO	57,578	8.0	13.9 *	14.7 *	4.3	25.1
26	PLUMAS	21,544	3.7	17.0 *	14.8 *	0.0	30.9
27	EL DORADO	177,647	26.7	15.0	15.1	9.1	21.1
28	LASSEN	36,560	5.7	15.5 *	15.3 *	2.3	28.2
29	SAN LUIS OBISPO	262,799	42.3	16.1	15.5	10.7	20.3
30	HUMBOLDT	131,757	22.3	17.0	15.8	9.1	22.5
31	SAN BERNARDINO	2,016,983	318.3	15.8	15.9	14.1	17.7
32	RIVERSIDE	2,005,477	318.0	15.9	15.9	14.2	17.7
33	SIERRA	3,680	0.7	18.1 *	16.1 *	0.0	54.7
34	SUTTER	93,409	15.0	16.1 *	16.4 *	8.0	24.7
35	MODOC	10,336	1.7	16.1 *	17.2 *	0.0	45.8
36	STANISLAUS	519,676	86.0	16.5	17.5	13.8	21.3
37	MENDOCINO	90,509	16.3	18.0 *	17.9 *	9.0	26.9
38	FRESNO	910,627	163.3	17.9	18.1	15.3	20.9
39	MARIPOSA	18,449	3.3	18.1 *	18.4 *	0.0	39.9
40	TEHAMA	61,908	11.7	18.8 *	18.6 *	7.7	29.6
41	IMPERIAL	170,233	31.7	18.6	18.9	12.3	25.6
42	BUTTE	217,241	42.3	19.5	19.3	13.4	25.3
43	KERN	799,475	157.0	19.6	20.0	16.8	23.2
44	KINGS	150,776	29.7	19.7	20.6	12.9	28.4
45	TUOLUMNE	57,642	13.0	22.6 *	20.8 *	8.8	32.8
46	MERCED	249,737	51.0	20.4	21.1	15.2	27.1
47	MADERA	146,708	33.0	22.5	22.7	14.9	30.4
48	GLENN	29,052	6.3	21.8 *	22.9 *	4.8	41.1
49	YUBA	72,821	16.3	22.4 *	23.5 *	12.0	35.1
50	SISKIYOU	46,220	10.0	21.6 *	23.9 *	8.2	39.6
51	TULARE	426,998	106.7	25.0	24.6	19.8	29.4
52	DEL NORTE	29,662	8.0	27.0 *	24.8 *	7.5	42.2
53	CALAVERAS	45,607	12.3	27.0 *	25.3 *	9.5	41.1
54	COLUSA	21,916	5.3	24.3 *	25.4 *	3.5	47.4
55	AMADOR	38,522	11.3	29.4 *	26.3 *	10.1	42.6
56	LAKE	64,473	18.7	29.0 *	27.6 *	14.2	41.0
57	ALPINE	1,321	0.3	25.2 *	28.1 *	0.0	123.4
58	TRINITY	14,535	6.7	45.9 *	54.3 *	7.4	101.1

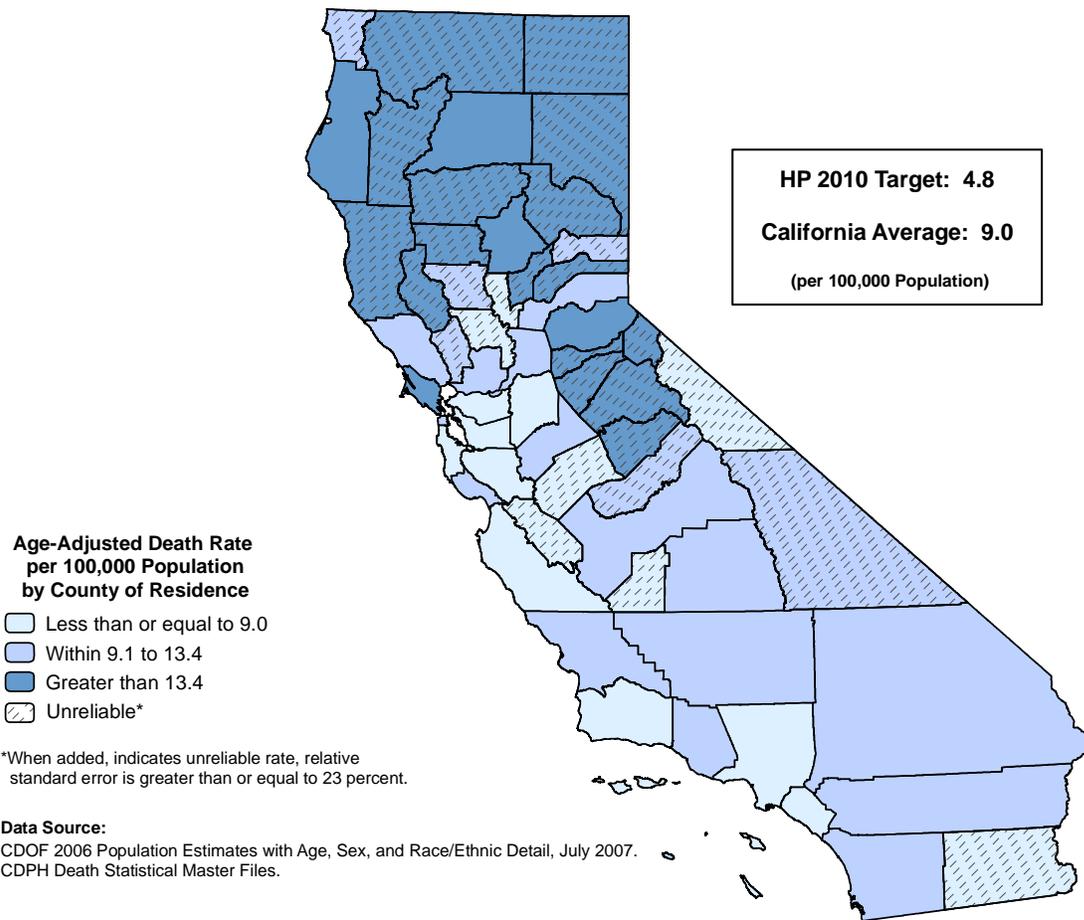
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO SUICIDE, 2005-2007



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 11,184 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 3,342.3 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 21.9 in Shasta County to 6.3 in San Joaquin County, a factor of 3.5 to 1.

The age-adjusted death rate from suicide for California during the 2005 to 2007 three-year period was 9.0 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 21.1 in Shasta County to 6.7 in Santa Clara County.

Neither individual counties nor California as a whole met the Healthy People 2010 National Objective: 18-1, no more than 4.8 age-adjusted deaths due to suicide per 100,000 population.

**TABLE 16
DEATHS DUE TO SUICIDE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (18-1)					4.8		
1	MONO	13,886	0.7	4.8 *	4.9 *	0.0	16.6
2	SUTTER	93,409	5.7	6.1 *	6.5 *	1.1	11.9
3	SANTA CLARA	1,780,757	120.0	6.7	6.7	5.5	7.9
4	LOS ANGELES	10,262,451	675.0	6.6	6.8	6.2	7.3
5	SAN BENITO	57,578	3.7	6.4 *	6.8 *	0.0	13.8
6	MERCED	249,737	16.0	6.4 *	7.0 *	3.5	10.5
7	SAN JOAQUIN	673,682	42.3	6.3	7.0	4.9	9.2
8	IMPERIAL	170,233	11.7	6.9 *	7.1 *	3.0	11.3
9	ALAMEDA	1,510,695	111.0	7.3	7.2	5.8	8.5
10	YOLO	192,538	14.7	7.6 *	7.9 *	3.8	12.1
11	SAN MATEO	726,068	63.3	8.7	8.3	6.2	10.3
12	MONTEREY	422,015	33.3	7.9	8.3	5.5	11.2
13	SANTA BARBARA	419,574	36.0	8.6	8.5	5.7	11.3
14	ORANGE	3,078,395	261.0	8.5	8.5	7.5	9.6
15	CONTRA COSTA	1,031,997	90.0	8.7	8.6	6.8	10.4
16	KINGS	150,776	11.0	7.3 *	8.7 *	3.2	14.1
	CALIFORNIA	37,380,870	3,342.3	8.9	9.0	8.7	9.4
17	STANISLAUS	519,676	45.0	8.7	9.3	6.5	12.0
18	SAN BERNARDINO	2,016,983	173.7	8.6	9.4	7.9	10.8
19	INYO	18,867	2.7	14.1 *	9.5 *	0.0	21.0
20	PLACER	320,851	32.3	10.1	9.6	6.2	13.0
21	FRESNO	910,627	84.0	9.2	9.8	7.6	11.9
22	TULARE	426,998	39.0	9.1	10.0	6.8	13.2
23	DEL NORTE	29,662	3.0	10.1 *	10.0 *	0.0	21.5
24	SOLANO	422,310	42.3	10.0	10.2	7.1	13.3
25	COLUSA	21,916	2.0	9.1 *	10.2 *	0.0	24.4
26	RIVERSIDE	2,005,477	196.0	9.8	10.3	8.9	11.8
27	SAN DIEGO	3,076,347	315.0	10.2	10.3	9.2	11.5
28	SANTA CRUZ	263,308	28.7	10.9	10.4	6.5	14.2
29	SONOMA	480,361	53.0	11.0	10.4	7.5	13.2
30	SAN FRANCISCO	801,522	96.3	12.0	10.5	8.4	12.7
31	KERN	799,475	77.0	9.6	10.8	8.3	13.3
32	NAPA	135,346	15.0	11.1 *	11.1 *	5.4	16.8
33	VENTURA	820,242	90.3	11.0	11.1	8.8	13.4
34	SIERRA	3,680	0.7	18.1 *	11.8 *	0.0	40.3
35	SACRAMENTO	1,393,959	173.0	12.4	12.5	10.7	14.4
36	SAN LUIS OBISPO	262,799	36.3	13.8	13.2	8.7	17.6
37	MADERA	146,708	19.0	13.0	13.3 *	7.3	19.4
38	MARIN	252,859	37.3	14.8	13.5	8.9	18.0
39	MODOC	10,336	1.7	16.1 *	13.7 *	0.0	35.5
40	PLUMAS	21,544	4.0	18.6 *	13.9 *	0.0	28.3
41	GLENN	29,052	4.3	14.9 *	15.1 *	0.7	29.5
42	MARIPOSA	18,449	3.3	18.1 *	16.4 *	0.0	34.9
43	EL DORADO	177,647	28.7	16.1	16.6	10.0	23.1
44	CALAVERAS	45,607	8.7	19.0 *	17.0 *	4.3	29.7
45	BUTTE	217,241	37.7	17.3	17.3	11.6	22.9
46	NEVADA	99,434	17.3	17.4 *	17.9 *	8.4	27.5
47	YUBA	72,821	12.3	16.9 *	18.2 *	7.9	28.5
48	TEHAMA	61,908	11.0	17.8 *	18.3 *	7.3	29.4
49	AMADOR	38,522	9.3	24.2 *	19.0 *	6.1	32.0
50	HUMBOLDT	131,757	28.7	21.8	20.6	12.9	28.2
51	MENDOCINO	90,509	18.7	20.6 *	20.6 *	10.9	30.3
52	SHASTA	181,528	39.7	21.9	21.1	14.4	27.9
53	LASSEN	36,560	8.3	22.8 *	21.8 *	6.9	36.7
54	TUOLUMNE	57,642	13.0	22.6 *	22.3 *	9.3	35.3
55	LAKE	64,473	17.3	26.9 *	27.1 *	13.1	41.0
56	SISKIYOU	46,220	13.3	28.8 *	28.2 *	11.7	44.7
57	ALPINE	1,321	0.3	25.2 *	37.4 *	0.0	164.3
58	TRINITY	14,535	7.7	52.7 *	54.6 *	9.8	99.3

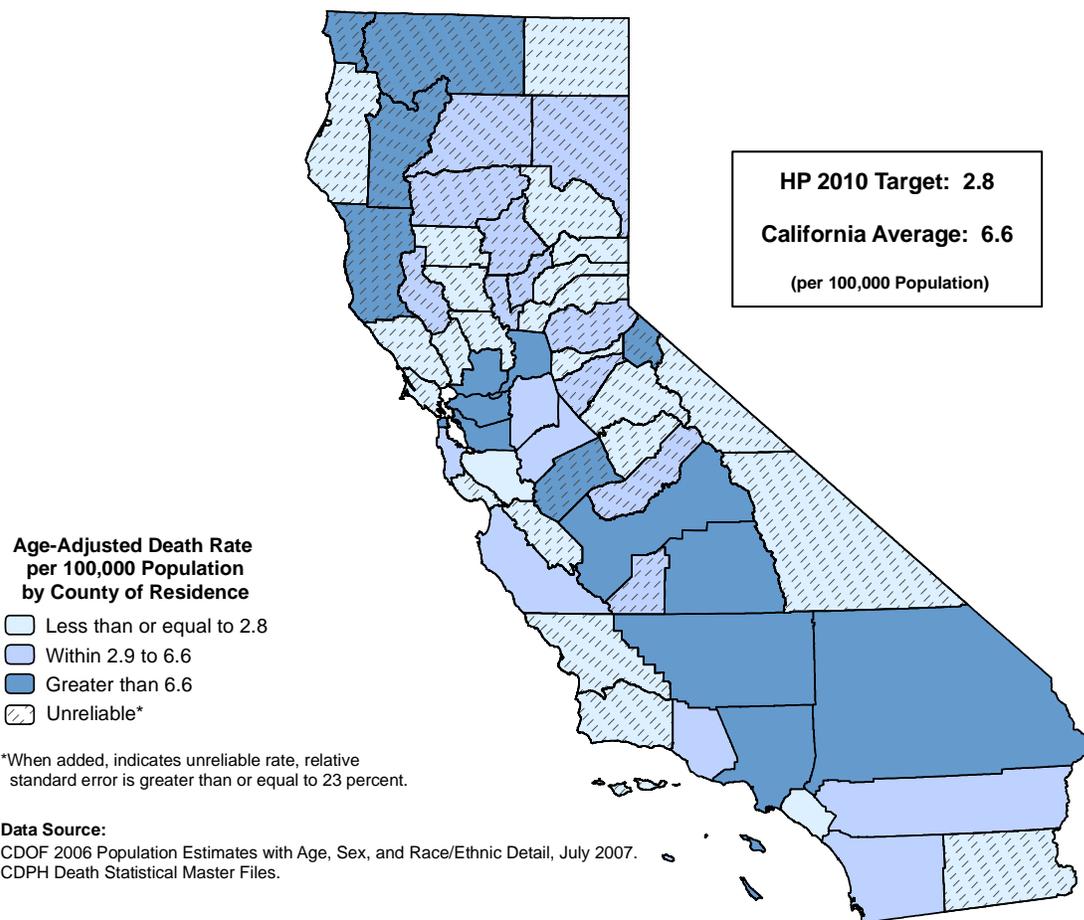
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO HOMICIDE, 2005-2007



The crude death rate from homicide for California was 6.7 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 14,993 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 2,493.3 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 10.5 in Tulare County to 2.6 in Santa Clara County, a factor of 4.0 to 1.

The age-adjusted death rate from homicide for California during the 2005 to 2007 three-year period was 6.6 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 10.1 in Alameda and San Francisco Counties to 2.7 in Orange and Santa Clara Counties.

Twenty-four counties with two demonstrating reliable age-adjusted death rates met the Healthy People 2010 National Objective: 15-32, 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	GLENN	29,052	0.0	-	-	-	-
2	MONO	13,886	0.0	-	-	-	-
3	MODOC	10,336	0.0	-	-	-	-
4	SIERRA	3,680	0.0	-	-	-	-
5	AMADOR	38,522	0.7	1.7 *	1.0 *	0.0	3.5
6	MARIPOSA	18,449	0.3	1.8 *	1.0 *	0.0	4.6
7	YOLO	192,538	2.0	1.0 *	1.1 *	0.0	2.6
8	INYO	18,867	0.3	1.8 *	1.4 *	0.0	6.1
9	PLUMAS	21,544	0.3	1.5 *	1.4 *	0.0	6.3
10	COLUSA	21,916	0.3	1.5 *	1.5 *	0.0	6.7
11	SONOMA	480,361	8.7	1.8 *	1.8 *	0.6	3.0
12	PLACER	320,851	5.7	1.8 *	2.0 *	0.3	3.7
13	HUMBOLDT	131,757	3.0	2.3 *	2.0 *	0.0	4.3
14	MARIN	252,859	4.0	1.6 *	2.0 *	0.0	4.1
15	SANTA BARBARA	419,574	9.3	2.2 *	2.2 *	0.8	3.6
16	NEVADA	99,434	3.0	3.0 *	2.3 *	0.0	4.9
17	SAN LUIS OBISPO	262,799	6.3	2.4 *	2.5 *	0.5	4.5
18	TUOLUMNE	57,642	1.3	2.3 *	2.5 *	0.0	7.1
19	SANTA CRUZ	263,308	7.3	2.8 *	2.6 *	0.7	4.4
20	SANTA CLARA	1,780,757	46.3	2.6	2.7	1.9	3.5
21	IMPERIAL	170,233	4.7	2.7 *	2.7 *	0.2	5.2
22	SAN BENITO	57,578	1.7	2.9 *	2.7 *	0.0	6.9
23	ORANGE	3,078,395	85.0	2.8	2.7	2.2	3.3
24	NAPA	135,346	3.7	2.7 *	2.8 *	0.0	5.7
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-32)					2.8		
25	EL DORADO	177,647	4.7	2.6 *	2.9 *	0.1	5.7
26	KINGS	150,776	5.3	3.5 *	3.6 *	0.5	6.7
27	VENTURA	820,242	29.7	3.6	3.6	2.3	4.9
28	CALAVERAS	45,607	1.3	2.9 *	3.8 *	0.0	10.8
29	SAN DIEGO	3,076,347	121.3	3.9	3.9	3.2	4.6
30	SUTTER	93,409	3.7	3.9 *	4.1 *	0.0	8.4
31	SAN MATEO	726,068	29.3	4.0	4.2	2.7	5.8
32	BUTTE	217,241	10.0	4.6 *	4.5 *	1.6	7.4
33	MONTEREY	422,015	21.3	5.1	5.0	2.9	7.1
34	YUBA	72,821	4.0	5.5 *	5.1 *	0.0	10.2
35	STANISLAUS	519,676	27.3	5.3	5.3	3.3	7.4
36	MADERA	146,708	8.0	5.5 *	5.5 *	1.7	9.3
37	RIVERSIDE	2,005,477	115.3	5.8	5.6	4.6	6.6
38	LASSEN	36,560	2.0	5.5 *	5.7 *	0.0	13.9
39	SAN JOAQUIN	673,682	40.0	5.9	5.8	4.0	7.6
40	LAKE	64,473	4.0	6.2 *	6.0 *	0.0	12.4
41	TEHAMA	61,908	3.7	5.9 *	6.4 *	0.0	13.0
42	SHASTA	181,528	11.3	6.2 *	6.4 *	2.6	10.3
CALIFORNIA		37,380,870	2,493.3	6.7	6.6	6.3	6.8
43	TRINITY	14,535	1.0	6.9 *	6.9 *	0.0	21.2
44	MENDOCINO	90,509	6.0	6.6 *	7.2 *	1.3	13.1
45	MERCED	249,737	19.7	7.9	7.5 *	4.1	10.9
46	SACRAMENTO	1,393,959	107.7	7.7	7.6	6.2	9.1
47	KERN	799,475	64.3	8.0	7.7	5.8	9.6
48	FRESNO	910,627	75.3	8.3	7.9	6.1	9.7
49	SOLANO	422,310	34.7	8.2	8.2	5.4	10.9
50	SAN BERNARDINO	2,016,983	181.3	9.0	8.4	7.1	9.6
51	DEL NORTE	29,662	2.7	9.0 *	8.7 *	0.0	19.3
52	SISKIYOU	46,220	3.3	7.2 *	9.6 *	0.0	20.3
53	LOS ANGELES	10,262,451	993.7	9.7	9.7	9.1	10.3
54	CONTRA COSTA	1,031,997	97.3	9.4	9.8	7.8	11.7
55	TULARE	426,998	45.0	10.5	9.9	6.9	12.8
56	ALAMEDA	1,510,695	152.0	10.1	10.1	8.5	11.7
57	SAN FRANCISCO	801,522	72.7	9.1	10.1	7.6	12.6
58	ALPINE	1,321	0.3	25.2 *	24.5 *	0.0	107.5

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

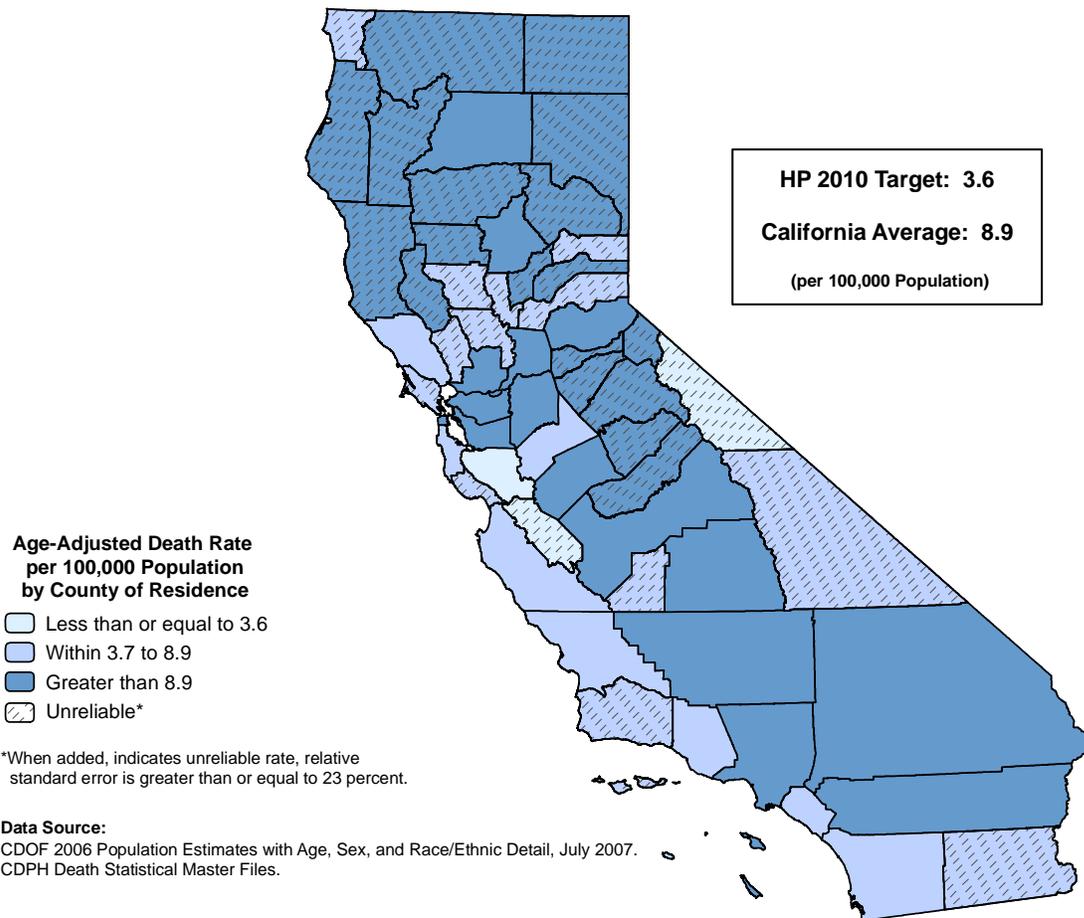
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

FIREARM-RELATED DEATHS, 2005-2007



The crude death rate from firearm-related injuries for California was 8.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 11,195 persons. This rate was based on the 2005 to 2007 three-year average number of deaths equaling 3,339.0 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 14.7 in Shasta County to 3.5 in Santa Clara County, a factor of 4.2 to 1.

The age-adjusted death rate from firearm-related injuries for California during the 2005 to 2007 three-year period was 8.9 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 14.4 in Tulare County to 3.6 in Santa Clara County.

Three counties with one demonstrating a reliable age-adjusted death rate met the Healthy People 2010 National Objective: 15-3, 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	13,886	0.0	-	-	-	-
2	SAN BENITO	57,578	1.7	2.9 *	3.1 *	0.0	8.0
3	SANTA CLARA	1,780,757	62.7	3.5	3.6	2.7	4.5
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-3)					3.6		
4	YOLO	192,538	7.0	3.6 *	4.1 *	1.0	7.2
5	SANTA BARBARA	419,574	19.0	4.5	4.5 *	2.5	6.6
6	ORANGE	3,078,395	147.0	4.8	4.8	4.1	5.6
7	PLACER	320,851	16.7	5.2 *	5.0 *	2.5	7.5
8	MARIN	252,859	12.7	5.0 *	5.0 *	2.1	7.9
9	SIERRA	3,680	0.3	9.1 *	5.1 *	0.0	22.5
10	SANTA CRUZ	263,308	14.7	5.6 *	5.3 *	2.5	8.1
11	IMPERIAL	170,233	9.3	5.5 *	5.7 *	2.0	9.4
12	SONOMA	480,361	30.0	6.2	6.0	3.8	8.2
13	SAN MATEO	726,068	44.0	6.1	6.1	4.3	8.0
14	MONTEREY	422,015	26.3	6.2	6.3	3.8	8.7
15	SUTTER	93,409	6.0	6.4 *	6.8 *	1.3	12.3
16	SAN DIEGO	3,076,347	208.3	6.8	6.9	5.9	7.8
17	KINGS	150,776	9.0	6.0 *	7.1 *	2.2	12.0
18	NAPA	135,346	10.0	7.4 *	7.1 *	2.6	11.5
19	VENTURA	820,242	61.0	7.4	7.5	5.6	9.4
20	DEL NORTE	29,662	2.3	7.9 *	7.6 *	0.0	17.4
21	STANISLAUS	519,676	38.3	7.4	7.6	5.2	10.0
22	SAN LUIS OBISPO	262,799	21.0	8.0	7.6	4.3	11.0
23	INYO	18,867	2.3	12.4 *	8.1 *	0.0	18.5
24	COLUSA	21,916	1.7	7.6 *	8.7 *	0.0	21.9
CALIFORNIA		37,380,870	3,339.0	8.9	8.9	8.6	9.2
25	MARIPOSA	18,449	2.0	10.8 *	9.0 *	0.0	22.1
26	MERCED	249,737	23.7	9.5	9.5	5.6	13.4
27	RIVERSIDE	2,005,477	189.0	9.4	9.6	8.2	11.0
28	SAN FRANCISCO	801,522	69.7	8.7	9.7	7.2	12.2
29	FRESNO	910,627	91.3	10.0	9.9	7.9	12.0
30	SOLANO	422,310	41.7	9.9	9.9	6.9	13.0
31	SAN JOAQUIN	673,682	64.7	9.6	9.9	7.5	12.4
32	SACRAMENTO	1,393,959	143.0	10.3	10.3	8.6	11.9
33	GLENN	29,052	3.0	10.3 *	10.6 *	0.0	22.6
34	TEHAMA	61,908	7.0	11.3 *	10.7 *	2.6	18.8
35	LOS ANGELES	10,262,451	1,088.3	10.6	10.7	10.1	11.4
36	SAN BERNARDINO	2,016,983	218.3	10.8	10.8	9.3	12.2
37	BUTTE	217,241	24.7	11.4	10.9	6.5	15.4
38	ALAMEDA	1,510,695	167.0	11.1	11.1	9.4	12.8
39	CONTRA COSTA	1,031,997	114.7	11.1	11.4	9.3	13.5
40	MADERA	146,708	16.3	11.1 *	11.5 *	5.9	17.1
41	KERN	799,475	93.0	11.6	12.1	9.6	14.6
42	YUBA	72,821	8.3	11.4 *	12.2 *	3.8	20.7
43	HUMBOLDT	131,757	17.7	13.4 *	12.5 *	6.6	18.4
44	EL DORADO	177,647	23.3	13.1	12.9	7.3	18.5
45	LASSEN	36,560	4.7	12.8 *	13.0 *	1.0	24.9
46	SHASTA	181,528	26.7	14.7	14.2	8.6	19.7
47	PLUMAS	21,544	3.3	15.5 *	14.3 *	0.0	30.9
48	TULARE	426,998	61.0	14.3	14.4	10.7	18.1
49	NEVADA	99,434	14.0	14.1 *	14.5 *	5.9	23.1
50	LAKE	64,473	9.7	15.0 *	14.7 *	4.7	24.8
51	AMADOR	38,522	7.7	19.9 *	14.9 *	3.9	25.9
52	CALAVERAS	45,607	8.0	17.5 *	15.9 *	3.4	28.3
53	TUOLUMNE	57,642	10.3	17.9 *	16.9 *	5.8	28.0
54	MENDOCINO	90,509	15.0	16.6 *	17.3 *	8.3	26.4
55	MODOC	10,336	2.0	19.3 *	19.6 *	0.0	49.2
56	SISKIYOU	46,220	12.0	26.0 *	25.8 *	10.0	41.6
57	ALPINE	1,321	0.3	25.2 *	37.4 *	0.0	164.3
58	TRINITY	14,535	6.3	43.6 *	37.7 *	4.7	70.8

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

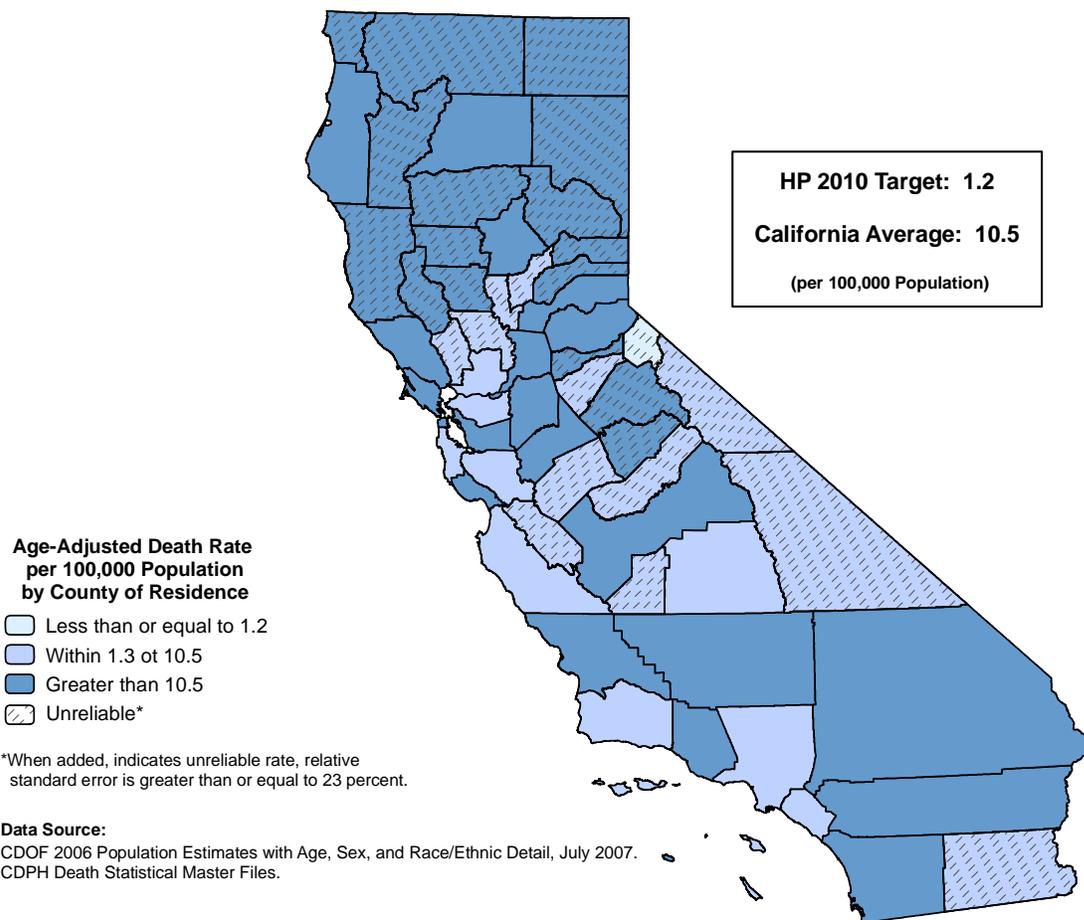
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DRUG-INDUCED DEATHS, 2005-2007



The crude death rate from drug-induced deaths for California was 10.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 9,424 persons. This rate was based on a 2005 to 2007 three-year average number of deaths equaling 3,966.7 and 37,380,870 population count as of July 1, 2006. Among counties with "reliable" rates, the crude rate ranged from 33.9 in Humboldt County to 6.7 in Santa Clara County, a factor of 5.1 to 1.

The age-adjusted death rate from drug-induced deaths for California during the 2005 to 2007 three-year period was 10.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 33.3 in Humboldt County to 6.3 in Santa Clara County.

One county with an unreliable age-adjusted death rate, relative standard error of measurement is greater than or equal to 23 percent, met the Healthy People 2010 National Objective: 26-3, 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,321	0.0	-	-	-	-
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (26-3)					1.2		
2	MONO	13,886	0.3	2.4 *	1.8 *	0.0	7.7
3	YUBA	72,821	2.3	3.2 *	3.1 *	0.0	7.0
4	INYO	18,867	0.7	3.5 *	3.6 *	0.0	13.0
5	NAPA	135,346	8.0	5.9 *	5.6 *	1.6	9.5
6	SAN BENITO	57,578	3.7	6.4 *	6.1 *	0.0	12.4
7	SANTA CLARA	1,780,757	119.3	6.7	6.3	5.1	7.4
8	YOLO	192,538	12.7	6.6 *	7.1 *	3.1	11.0
9	SAN MATEO	726,068	57.7	7.9	7.3	5.4	9.2
10	LOS ANGELES	10,262,451	792.0	7.7	7.7	7.1	8.2
11	KINGS	150,776	11.0	7.3 *	8.0 *	3.2	12.9
12	ORANGE	3,078,395	273.0	8.9	8.7	7.6	9.7
13	SOLANO	422,310	38.3	9.1	8.9	6.0	11.7
14	MERCED	249,737	19.0	7.6	8.9 *	4.9	13.0
15	CALAVERAS	45,607	4.3	9.5 *	9.0 *	0.0	18.2
16	CONTRA COSTA	1,031,997	99.7	9.7	9.3	7.5	11.2
17	MONTEREY	422,015	37.3	8.8	9.4	6.3	12.4
18	MADERA	146,708	14.3	9.8 *	9.7 *	4.7	14.7
19	SUTTER	93,409	8.7	9.3 *	10.0 *	3.3	16.6
20	TULARE	426,998	39.3	9.2	10.2	7.0	13.5
21	SANTA BARBARA	419,574	43.0	10.2	10.4	7.3	13.5
22	IMPERIAL	170,233	17.3	10.2 *	10.4 *	5.5	15.3
	CALIFORNIA	37,380,870	3,966.7	10.6	10.5	10.2	10.8
23	VENTURA	820,242	88.0	10.7	10.8	8.5	13.0
24	SAN BERNARDINO	2,016,983	206.3	10.2	10.8	9.3	12.3
25	RIVERSIDE	2,005,477	203.3	10.1	10.8	9.3	12.3
26	SAN DIEGO	3,076,347	342.7	11.1	10.8	9.7	12.0
27	SONOMA	480,361	57.7	12.0	11.4	8.4	14.4
28	ALAMEDA	1,510,695	187.3	12.4	11.6	9.9	13.3
29	COLUSA	21,916	2.3	10.6 *	11.7 *	0.0	26.9
30	SANTA CRUZ	263,308	34.7	13.2	11.9	7.9	15.9
31	SISKIYOU	46,220	5.3	11.5 *	12.1 *	1.1	23.1
32	FRESNO	910,627	102.0	11.2	12.4	10.0	14.8
33	SAN LUIS OBISPO	262,799	33.0	12.6	12.4	8.1	16.8
34	MARIN	252,859	34.7	13.7	13.0	8.4	17.5
35	SIERRA	3,680	0.7	18.1 *	13.9 *	0.0	47.2
36	PLACER	320,851	45.3	14.1	13.9	9.7	18.0
37	TEHAMA	61,908	8.3	13.5 *	14.3 *	4.4	24.2
38	NEVADA	99,434	16.0	16.1 *	14.5 *	6.5	22.4
39	SAN JOAQUIN	673,682	92.3	13.7	15.3	12.2	18.5
40	KERN	799,475	116.7	14.6	15.9	13.0	18.8
41	GLENN	29,052	4.7	16.1 *	16.0 *	1.3	30.8
42	SACRAMENTO	1,393,959	238.7	17.1	17.0	14.9	19.2
43	EL DORADO	177,647	31.7	17.8	17.5	11.0	24.0
44	MENDOCINO	90,509	16.7	18.4 *	17.7 *	8.9	26.5
45	STANISLAUS	519,676	84.7	16.3	17.9	14.1	21.8
46	PLUMAS	21,544	5.0	23.2 *	18.1 *	1.2	34.9
47	AMADOR	38,522	8.0	20.8 *	20.4 *	5.8	35.1
48	DEL NORTE	29,662	6.7	22.5 *	21.4 *	5.0	37.7
49	SAN FRANCISCO	801,522	194.0	24.2	21.4	18.3	24.5
50	MARIPOSA	18,449	4.0	21.7 *	22.2 *	0.0	45.1
51	MODOC	10,336	2.0	19.3 *	22.2 *	0.0	54.9
52	TUOLUMNE	57,642	13.0	22.6 *	23.6 *	10.0	37.1
53	SHASTA	181,528	44.0	24.2	24.8	17.3	32.4
54	LASSEN	36,560	10.3	28.3 *	25.7 *	10.0	41.5
55	BUTTE	217,241	58.0	26.7	26.4	19.5	33.3
56	TRINITY	14,535	3.3	22.9 *	27.5 *	0.0	60.1
57	LAKE	64,473	18.7	29.0 *	27.6 *	14.0	41.1
58	HUMBOLDT	131,757	44.7	33.9	33.3	23.3	43.2

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

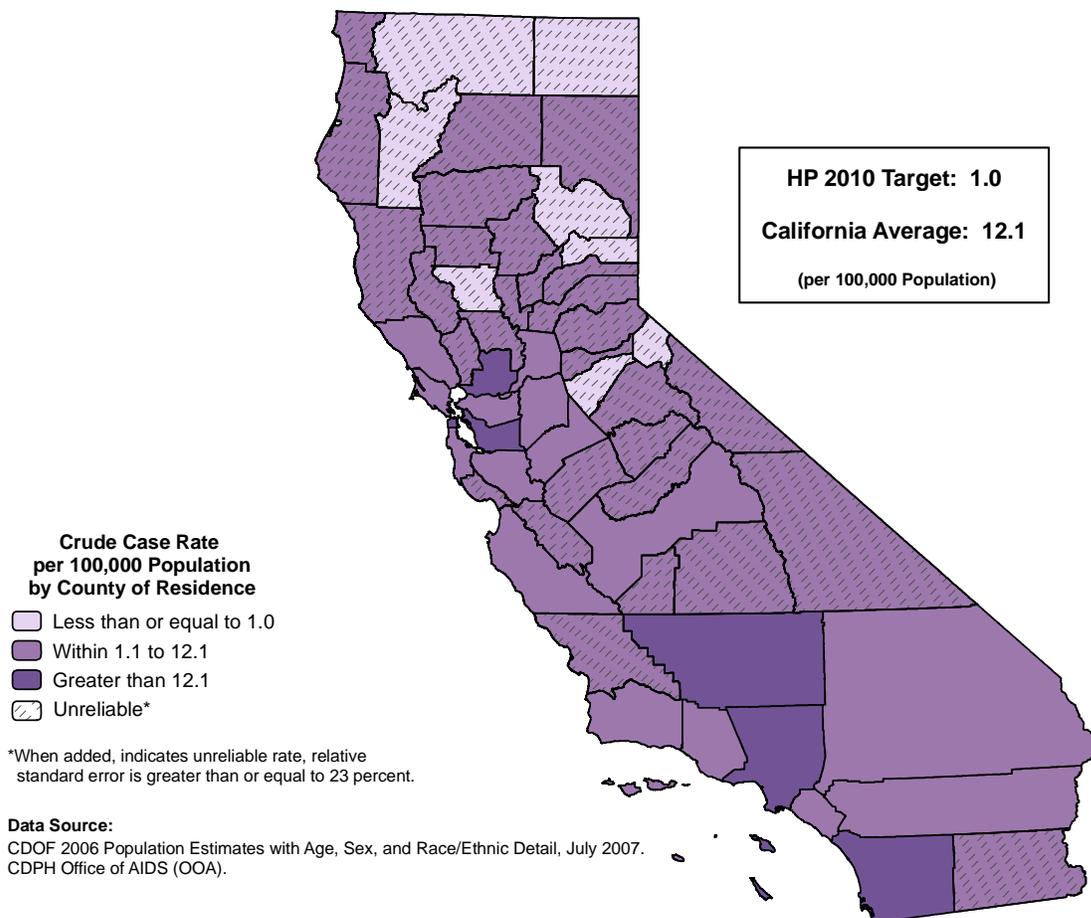
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Death Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OVER, 2005-2007



The crude case rate of reported AIDS cases for Californians aged 13 years and older was 12.1 cases per 100,000 population or approximately one reported AIDS case for every 8,298 persons. This rate was based on a 2005 to 2007 three-year average reported number of cases equaling 3,656.7 and 30,343,995 population count as of July 1, 2006.

Among counties with "reliable" rates, the crude case rate ranged from 62.5 in San Francisco County to 3.6 in Ventura County, a factor of 17.4 to 1. Six counties reported no new incidence of AIDS during the three-year period for this age group.

Eight counties with unreliable case rates (relative standard error of measurement is greater than or equal to 23 percent) met the Healthy People 2010 National Objective: 13-1, no more than one 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, 2005-2007**

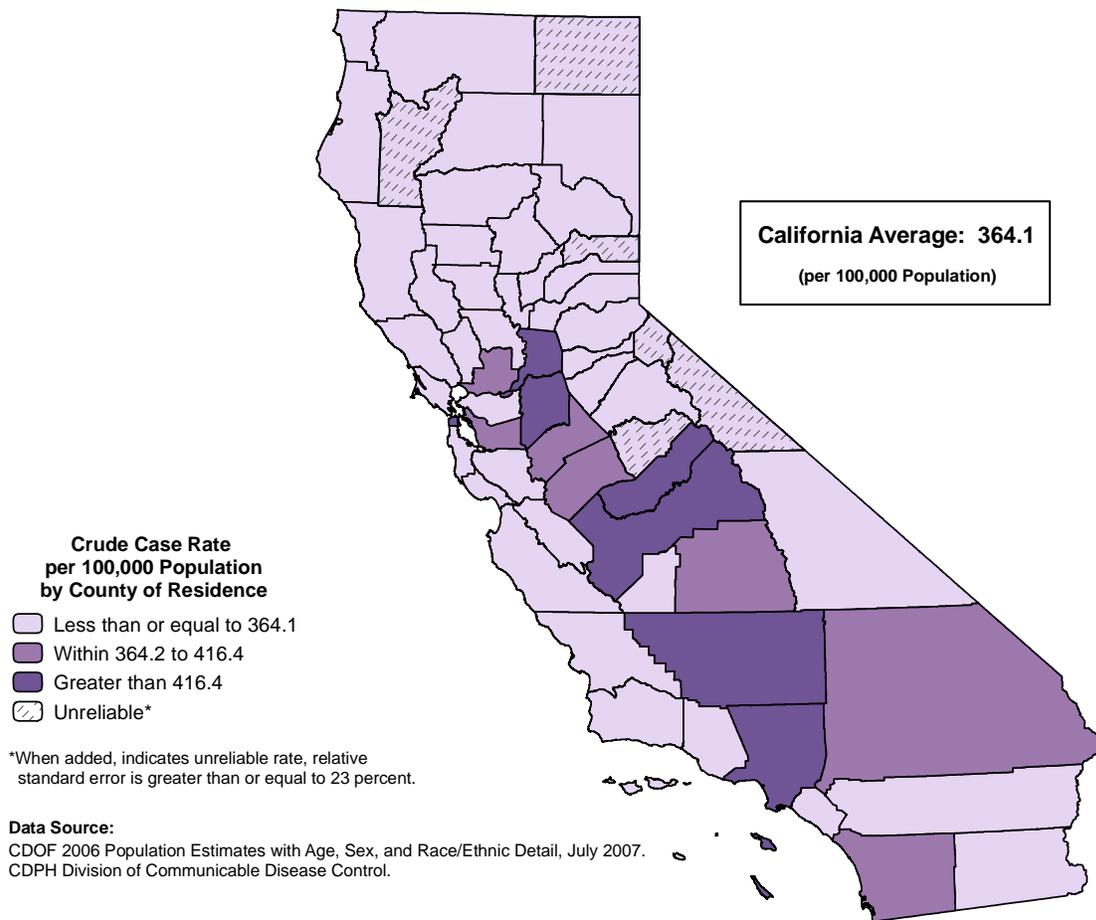
RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION AGED 13 AND OVER	2005-2007 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	PLUMAS	18,977	0.0	-	-	-
2	COLUSA	17,499	0.0	-	-	-
3	TRINITY	12,718	0.0	-	-	-
4	MODOC	8,938	0.0	-	-	-
5	SIERRA	3,297	0.0	-	-	-
6	ALPINE	1,161	0.0	-	-	-
7	CALAVERAS	40,495	0.3	0.8 *	0.0	3.6
8	SISKIYOU	39,836	0.3	0.8 *	0.0	3.7
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (13-1)				1.0		
9	YUBA	57,632	0.7	1.2 *	0.0	3.9
10	EL DORADO	151,591	2.0	1.3 *	0.0	3.1
11	GLENN	23,526	0.3	1.4 *	0.0	6.2
12	NEVADA	87,311	1.3	1.5 *	0.0	4.1
13	PLACER	264,287	4.7	1.8 *	0.2	3.4
14	TUOLUMNE	51,164	1.0	2.0 *	0.0	5.8
15	MARIPOSA	16,454	0.3	2.0 *	0.0	8.9
16	INYO	16,210	0.3	2.1 *	0.0	9.0
17	LAKE	56,012	1.3	2.4 *	0.0	6.4
18	YOLO	160,029	4.3	2.7 *	0.2	5.3
19	TULARE	332,146	9.0	2.7 *	0.9	4.5
20	MONO	11,894	0.3	2.8 *	0.0	12.3
21	AMADOR	34,543	1.0	2.9 *	0.0	8.6
22	BUTTE	184,922	5.7	3.1 *	0.5	5.6
23	MERCED	194,712	6.0	3.1 *	0.6	5.5
24	TEHAMA	51,900	1.7	3.2 *	0.0	8.1
25	VENTURA	668,802	24.3	3.6	2.2	5.1
26	SAN BENITO	45,481	1.7	3.7 *	0.0	9.2
27	SAN MATEO	607,052	23.7	3.9	2.3	5.5
28	DEL NORTE	25,526	1.0	3.9 *	0.0	11.6
29	MADERA	117,671	5.3	4.5 *	0.7	8.4
30	SHASTA	153,006	7.0	4.6 *	1.2	8.0
31	MENDOCINO	76,326	3.7	4.8 *	0.0	9.7
32	HUMBOLDT	112,235	5.7	5.0 *	0.9	9.2
33	NAPA	111,451	6.0	5.4 *	1.1	9.7
34	STANISLAUS	400,382	22.0	5.5	3.2	7.8
35	KINGS	119,929	6.7	5.6 *	1.3	9.8
36	LASSEN	31,898	2.0	6.3 *	0.0	15.0
37	SUTTER	73,272	4.7	6.4 *	0.6	12.1
38	MONTEREY	334,060	23.0	6.9	4.1	9.7
39	SANTA CRUZ	222,326	15.3	6.9 *	3.4	10.3
40	SANTA BARBARA	345,092	24.0	7.0	4.2	9.7
41	SAN LUIS OBISPO	226,077	16.3	7.2 *	3.7	10.7
42	ORANGE	2,508,778	192.7	7.7	6.6	8.8
43	CONTRA COSTA	853,501	68.3	8.0	6.1	9.9
44	SANTA CLARA	1,448,745	118.7	8.2	6.7	9.7
45	SACRAMENTO	1,127,278	93.7	8.3	6.6	10.0
46	SAN BERNARDINO	1,602,456	136.0	8.5	7.1	9.9
47	FRESNO	720,452	63.7	8.8	6.7	11.0
48	SAN JOAQUIN	514,956	45.7	8.9	6.3	11.4
49	IMPERIAL	139,214	13.3	9.6 *	4.4	14.7
50	RIVERSIDE	1,607,072	173.7	10.8	9.2	12.4
51	SONOMA	399,114	45.7	11.4	8.1	14.8
52	MARIN	214,285	25.3	11.8	7.2	16.4
CALIFORNIA		30,343,995	3,656.7	12.1	11.7	12.4
53	KERN	626,110	87.0	13.9	11.0	16.8
54	SOLANO	346,240	48.7	14.1	10.1	18.0
55	LOS ANGELES	8,257,317	1,254.0	15.2	14.3	16.0
56	SAN DIEGO	2,505,730	390.3	15.6	14.0	17.1
57	ALAMEDA	1,249,834	219.7	17.6	15.3	19.9
58	SAN FRANCISCO	715,073	446.7	62.5	56.7	68.3

- 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: Office of AIDS, HIV/AIDS Case Registry Section (as of November 30, 2008).
California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

REPORTED INCIDENCE OF CHLAMYDIA, 2005-2007



The crude case rate of reported chlamydia cases for California was 364.1 cases per 100,000 population or approximately one reported chlamydia case for every 275 persons. This rate was based on a 2005 to 2007 three-year average reported number of cases equaling 136,087.3 and 37,380,870 population count as of July 1, 2006.

Among counties with "reliable" rates, the crude case rate ranged from 568.0 in Fresno County to 77.5 in Calaveras County, a factor of 7.3 to 1.

The Healthy People 2010 National Objective: 25-1, no more than 3 percent testing positive in the population aged 15 to 24 years, pertains to chlamydia prevalence rather than incidence as is reported here. Prevalence data to measure this objective is not available in all California counties.

**TABLE 21
REPORTED INCIDENCE OF CHLAMYDIA
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (25-1)					NOTE	
1	SIERRA	3,680	1.0	27.2 *	0.0	80.4
2	ALPINE	1,321	0.7	50.5 *	0.0	171.6
3	CALAVERAS	45,607	35.3	77.5	51.9	103.0
4	MARIPOSA	18,449	14.7	79.5 *	38.8	120.2
5	DEL NORTE	29,662	25.7	86.5	53.1	120.0
6	MONO	13,886	13.3	96.0 *	44.5	147.6
7	TRINITY	14,535	14.0	96.3 *	45.9	146.8
8	LASSEN	36,560	39.0	106.7	73.2	140.2
9	MODOC	10,336	12.3	119.3 *	52.7	185.9
10	TUOLUMNE	57,642	72.0	124.9	96.1	153.8
11	NEVADA	99,434	124.7	125.4	103.4	147.4
12	EL DORADO	177,647	232.7	131.0	114.1	147.8
13	INYO	18,867	25.7	136.0	83.4	188.7
14	PLUMAS	21,544	30.3	140.8	90.7	190.9
15	COLUSA	21,916	34.3	156.7	104.3	209.1
16	AMADOR	38,522	62.3	161.8	121.6	202.0
17	SONOMA	480,361	803.0	167.2	155.6	178.7
18	LAKE	64,473	112.0	173.7	141.5	205.9
19	PLACER	320,851	581.7	181.3	166.6	196.0
20	NAPA	135,346	247.0	182.5	159.7	205.3
21	VENTURA	820,242	1,543.7	188.2	178.8	197.6
22	GLENN	29,052	60.0	206.5	154.3	258.8
23	MENDOCINO	90,509	194.0	214.3	184.2	244.5
24	MARIN	252,859	545.7	215.8	197.7	233.9
25	SISKIYOU	46,220	102.3	221.4	178.5	264.3
26	SAN LUIS OBISPO	262,799	584.7	222.5	204.4	240.5
27	SAN BENITO	57,578	131.0	227.5	188.6	266.5
28	SAN MATEO	726,068	1,654.0	227.8	216.8	238.8
29	SUTTER	93,409	216.3	231.6	200.7	262.5
30	TEHAMA	61,908	146.0	235.8	197.6	274.1
31	SANTA CRUZ	263,308	622.3	236.4	217.8	254.9
32	SHASTA	181,528	459.7	253.2	230.1	276.4
33	ORANGE	3,078,395	7,923.3	257.4	251.7	263.1
34	YOLO	192,538	507.0	263.3	240.4	286.2
35	SANTA BARBARA	419,574	1,119.0	266.7	251.1	282.3
36	RIVERSIDE	2,005,477	5,361.3	267.3	260.2	274.5
37	HUMBOLDT	131,757	357.3	271.2	243.1	299.3
38	YUBA	72,821	207.0	284.3	245.5	323.0
39	CONTRA COSTA	1,031,997	3,140.3	304.3	293.7	314.9
40	MONTEREY	422,015	1,293.7	306.5	289.8	323.2
41	SANTA CLARA	1,780,757	5,598.7	314.4	306.2	322.6
42	IMPERIAL	170,233	556.0	326.6	299.5	353.8
43	BUTTE	217,241	716.0	329.6	305.4	353.7
44	KINGS	150,776	545.0	361.5	331.1	391.8
CALIFORNIA		37,380,870	136,087.3	364.1	362.1	366.0
45	STANISLAUS	519,676	1,918.7	369.2	352.7	385.7
46	SAN DIEGO	3,076,347	11,895.7	386.7	379.7	393.6
47	SAN BERNARDINO	2,016,983	8,035.3	398.4	389.7	407.1
48	MERCED	249,737	998.3	399.8	375.0	424.6
49	ALAMEDA	1,510,695	6,105.0	404.1	394.0	414.3
50	TULARE	426,998	1,762.7	412.8	393.5	432.1
51	SOLANO	422,310	1,750.0	414.4	395.0	433.8
52	LOS ANGELES	10,262,451	42,941.0	418.4	414.5	422.4
53	MADERA	146,708	682.3	465.1	430.2	500.0
54	SAN JOAQUIN	673,682	3,166.3	470.0	453.6	486.4
55	SAN FRANCISCO	801,522	3,943.0	491.9	476.6	507.3
56	KERN	799,475	4,237.0	530.0	514.0	545.9
57	SACRAMENTO	1,393,959	7,413.3	531.8	519.7	543.9
58	FRESNO	910,627	5,172.7	568.0	552.6	583.5

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

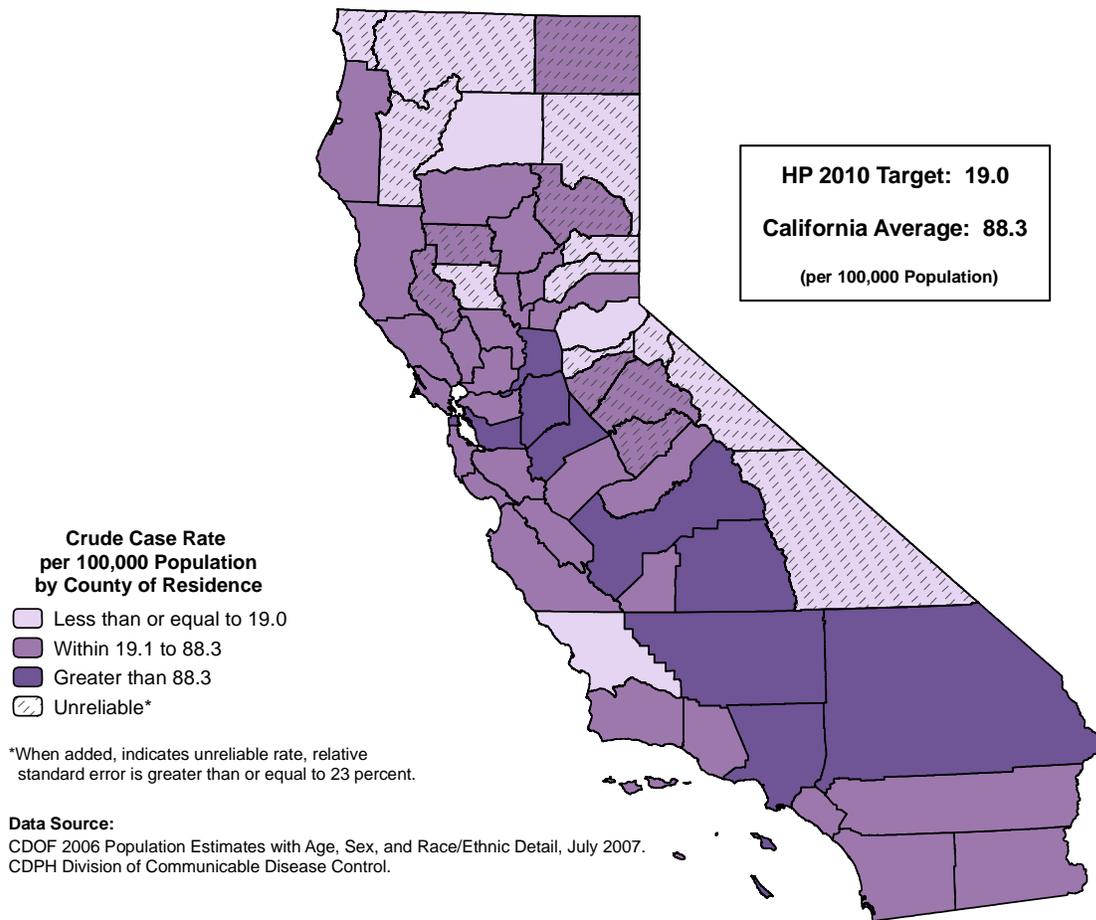
Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.

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, Communicable Disease Control.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

REPORTED INCIDENCE OF GONORRHEA, 2005-2007



The crude case rate of reported gonorrhea cases for California was 88.3 cases per 100,000 population or approximately one reported gonorrhea case for every 1,132 persons. This rate was based on a 2005 to 2007 three-year average reported number of cases equaling 33,022.3 and 37,380,870 population count as of July 1, 2006.

Among counties with "reliable" rates, the crude case rate ranged from 290.2 in San Francisco County to 13.5 in El Dorado County, a factor of 21.5 to 1. One county reported no new incidence of gonorrhea during the three-year period.

Fourteen counties with three demonstrating reliable case rates met the Healthy People 2010 National Objective: 25-2a, no more than 19.0 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 POPULATION	2005-2007 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	ALPINE	1,321	0.0	-	-	-
2	DEL NORTE	29,662	1.3	4.5 *	0.0	12.1
3	SIERRA	3,680	0.3	9.1 *	0.0	39.8
4	TRINITY	14,535	1.3	9.2 *	0.0	24.7
5	NEVADA	99,434	10.7	10.7 *	4.3	17.2
6	AMADOR	38,522	4.7	12.1 *	1.1	23.1
7	EL DORADO	177,647	24.0	13.5	8.1	18.9
8	MONO	13,886	2.0	14.4 *	0.0	34.4
9	COLUSA	21,916	3.3	15.2 *	0.0	31.5
10	SISKIYOU	46,220	7.3	15.9 *	4.4	27.3
11	INYO	18,867	3.0	15.9 *	0.0	33.9
12	SAN LUIS OBISPO	262,799	45.3	17.3	12.2	22.3
13	LASSEN	36,560	6.3	17.3 *	3.8	30.8
14	SHASTA	181,528	33.7	18.5	12.3	24.8
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (25-2a)				19.0		
15	TUOLUMNE	57,642	11.0	19.1 *	7.8	30.4
16	CALAVERAS	45,607	9.0	19.7 *	6.8	32.6
17	PLUMAS	21,544	4.3	20.1 *	1.2	39.1
18	PLACER	320,851	65.7	20.5	15.5	25.4
19	NAPA	135,346	28.3	20.9	13.2	28.6
20	VENTURA	820,242	176.7	21.5	18.4	24.7
21	SANTA BARBARA	419,574	93.7	22.3	17.8	26.8
22	MENDOCINO	90,509	21.0	23.2	13.3	33.1
23	GLENN	29,052	7.0	24.1 *	6.2	41.9
24	MARIPOSA	18,449	4.7	25.3 *	2.3	48.2
25	SONOMA	480,361	123.7	25.7	21.2	30.3
26	LAKE	64,473	16.7	25.9 *	13.4	38.3
27	HUMBOLDT	131,757	36.3	27.6	18.6	36.5
28	MARIN	252,859	80.0	31.6	24.7	38.6
29	TEHAMA	61,908	19.7	31.8	17.7	45.8
30	IMPERIAL	170,233	56.3	33.1	24.5	41.7
31	SANTA CRUZ	263,308	88.7	33.7	26.7	40.7
32	ORANGE	3,078,395	1,079.0	35.1	33.0	37.1
33	YOLO	192,538	68.7	35.7	27.2	44.1
34	SAN MATEO	726,068	272.3	37.5	33.1	42.0
35	MONTEREY	422,015	176.3	41.8	35.6	48.0
36	SUTTER	93,409	45.0	48.2	34.1	62.3
37	MODOC	10,336	5.0	48.4 *	6.0	90.8
38	RIVERSIDE	2,005,477	1,011.0	50.4	47.3	53.5
39	SAN BENITO	57,578	31.0	53.8	34.9	72.8
40	SANTA CLARA	1,780,757	972.3	54.6	51.2	58.0
41	BUTTE	217,241	134.7	62.0	51.5	72.5
42	YUBA	72,821	46.0	63.2	44.9	81.4
43	KINGS	150,776	109.0	72.3	58.7	85.9
44	SAN DIEGO	3,076,347	2,585.7	84.0	80.8	87.3
45	CONTRA COSTA	1,031,997	877.7	85.0	79.4	90.7
46	MADERA	146,708	126.7	86.3	71.3	101.4
47	MERCED	249,737	216.0	86.5	75.0	98.0
48	SOLANO	422,310	367.3	87.0	78.1	95.9
CALIFORNIA		37,380,870	33,022.3	88.3	87.4	89.3
49	TULARE	426,998	395.7	92.7	83.5	101.8
50	STANISLAUS	519,676	521.3	100.3	91.7	108.9
51	SAN BERNARDINO	2,016,983	2,032.7	100.8	96.4	105.2
52	LOS ANGELES	10,262,451	10,839.7	105.6	103.6	107.6
53	SAN JOAQUIN	673,682	848.7	126.0	117.5	134.4
54	FRESNO	910,627	1,288.3	141.5	133.8	149.2
55	ALAMEDA	1,510,695	2,254.3	149.2	143.1	155.4
56	KERN	799,475	1,220.3	152.6	144.1	161.2
57	SACRAMENTO	1,393,959	2,185.3	156.8	150.2	163.3
58	SAN FRANCISCO	801,522	2,326.3	290.2	278.4	302.0

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

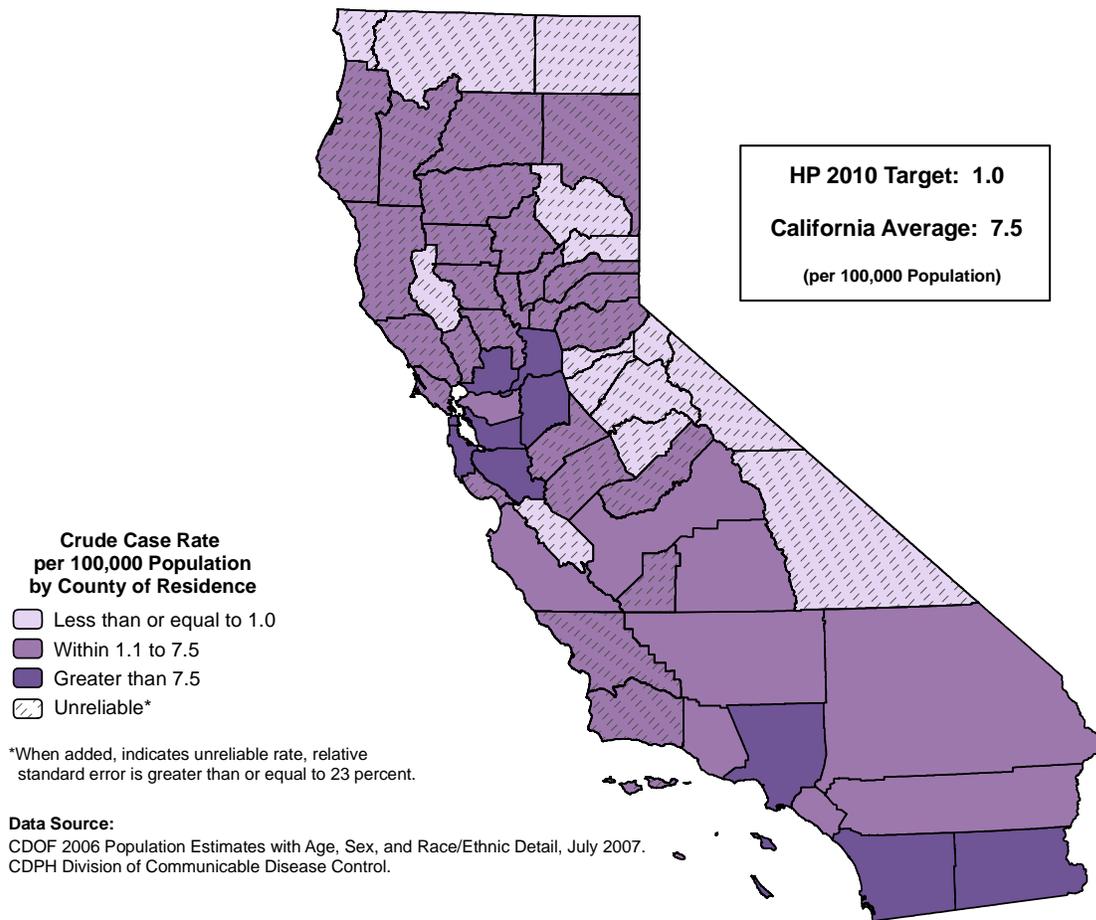
* Case rate unreliable, relative standard error is greater than or equal to 23 percent.

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, Communicable Disease Control.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

REPORTED INCIDENCE OF TUBERCULOSIS, 2005-2007



The crude case rate of reported tuberculosis cases for California was 7.5 cases per 100,000 population or approximately one reported tuberculosis case for every 13,339 persons. This rate was based on a 2005 to 2007 three-year average reported number of cases equaling 2,802.3 and 37,380,870 population count as of July 1, 2006.

Among counties with "reliable" rates, the crude case rate ranged from 18.4 in Imperial County to 3.0 in San Bernardino County, a factor of 6.1 to 1. Ten counties reported no new incidence of tuberculosis during the three-year period.

Fourteen counties with unreliable case rates (relative standard error of measurement is greater than or equal to 23 percent) met the Healthy People 2010 National Objective: 14-11, no more than 1.0 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE ¹	2006 POPULATION	2005-2007 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	TUOLUMNE	57,642	0.0	-	-	-
2	AMADOR	38,522	0.0	-	-	-
3	DEL NORTE	29,662	0.0	-	-	-
4	PLUMAS	21,544	0.0	-	-	-
5	INYO	18,867	0.0	-	-	-
6	MARIPOSA	18,449	0.0	-	-	-
7	MONO	13,886	0.0	-	-	-
8	MODOC	10,336	0.0	-	-	-
9	SIERRA	3,680	0.0	-	-	-
10	ALPINE	1,321	0.0	-	-	-
11	SAN BENITO	57,578	0.3	0.6 *	0.0	2.5
12	SISKIYOU	46,220	0.3	0.7 *	0.0	3.2
13	CALAVERAS	45,607	0.3	0.7 *	0.0	3.2
14	LAKE	64,473	0.7	1.0 *	0.0	3.5
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (14-11)				1.0		
15	HUMBOLDT	131,757	1.7	1.3 *	0.0	3.2
16	NEVADA	99,434	1.3	1.3 *	0.0	3.6
17	BUTTE	217,241	3.0	1.4 *	0.0	2.9
18	SAN LUIS OBISPO	262,799	4.3	1.6 *	0.1	3.2
19	SUTTER	93,409	1.7	1.8 *	0.0	4.5
20	LASSEN	36,560	0.7	1.8 *	0.0	6.2
21	EL DORADO	177,647	3.7	2.1 *	0.0	4.2
22	TRINITY	14,535	0.3	2.3 *	0.0	10.1
23	PLACER	320,851	8.0	2.5 *	0.8	4.2
24	SONOMA	480,361	12.7	2.6 *	1.2	4.1
25	STANISLAUS	519,676	14.0	2.7 *	1.3	4.1
26	SHASTA	181,528	5.0	2.8 *	0.3	5.2
27	MERCED	249,737	7.3	2.9 *	0.8	5.1
28	MADERA	146,708	4.3	3.0 *	0.2	5.7
29	SAN BERNARDINO	2,016,983	60.0	3.0	2.2	3.7
30	COLUSA	21,916	0.7	3.0 *	0.0	10.3
31	SANTA CRUZ	263,308	8.7	3.3 *	1.1	5.5
32	MENDOCINO	90,509	3.0	3.3 *	0.0	7.1
33	GLENN	29,052	1.0	3.4 *	0.0	10.2
34	RIVERSIDE	2,005,477	71.3	3.6	2.7	4.4
35	YOLO	192,538	7.0	3.6 *	0.9	6.3
36	YUBA	72,821	2.7	3.7 *	0.0	8.1
37	KINGS	150,776	5.7	3.8 *	0.7	6.9
38	NAPA	135,346	5.7	4.2 *	0.7	7.6
39	MARIN	252,859	10.7	4.2 *	1.7	6.8
40	SANTA BARBARA	419,574	18.3	4.4 *	2.4	6.4
41	TULARE	426,998	20.3	4.8	2.7	6.8
42	KERN	799,475	40.7	5.1	3.5	6.7
43	CONTRA COSTA	1,031,997	53.0	5.1	3.8	6.5
44	TEHAMA	61,908	3.3	5.4 *	0.0	11.2
45	FRESNO	910,627	57.7	6.3	4.7	8.0
46	VENTURA	820,242	53.7	6.5	4.8	8.3
47	MONTEREY	422,015	29.3	7.0	4.4	9.5
48	ORANGE	3,078,395	228.0	7.4	6.4	8.4
CALIFORNIA		37,380,870	2,802.3	7.5	7.2	7.8
49	SOLANO	422,310	34.0	8.1	5.3	10.8
50	SACRAMENTO	1,393,959	116.7	8.4	6.9	9.9
51	LOS ANGELES	10,262,451	921.3	9.0	8.4	9.6
52	SAN JOAQUIN	673,682	64.0	9.5	7.2	11.8
53	SAN DIEGO	3,076,347	300.0	9.8	8.6	10.9
54	ALAMEDA	1,510,695	154.7	10.2	8.6	11.9
55	SAN MATEO	726,068	75.7	10.4	8.1	12.8
56	SANTA CLARA	1,780,757	222.7	12.5	10.9	14.1
57	SAN FRANCISCO	801,522	131.7	16.4	13.6	19.2
58	IMPERIAL	170,233	31.3	18.4	12.0	24.9

- Rates, percentages, and confidence limits are not calculated for zero events. ¹ Reporting jurisdiction includes cities of Berkeley, Long Beach, and Pasadena.

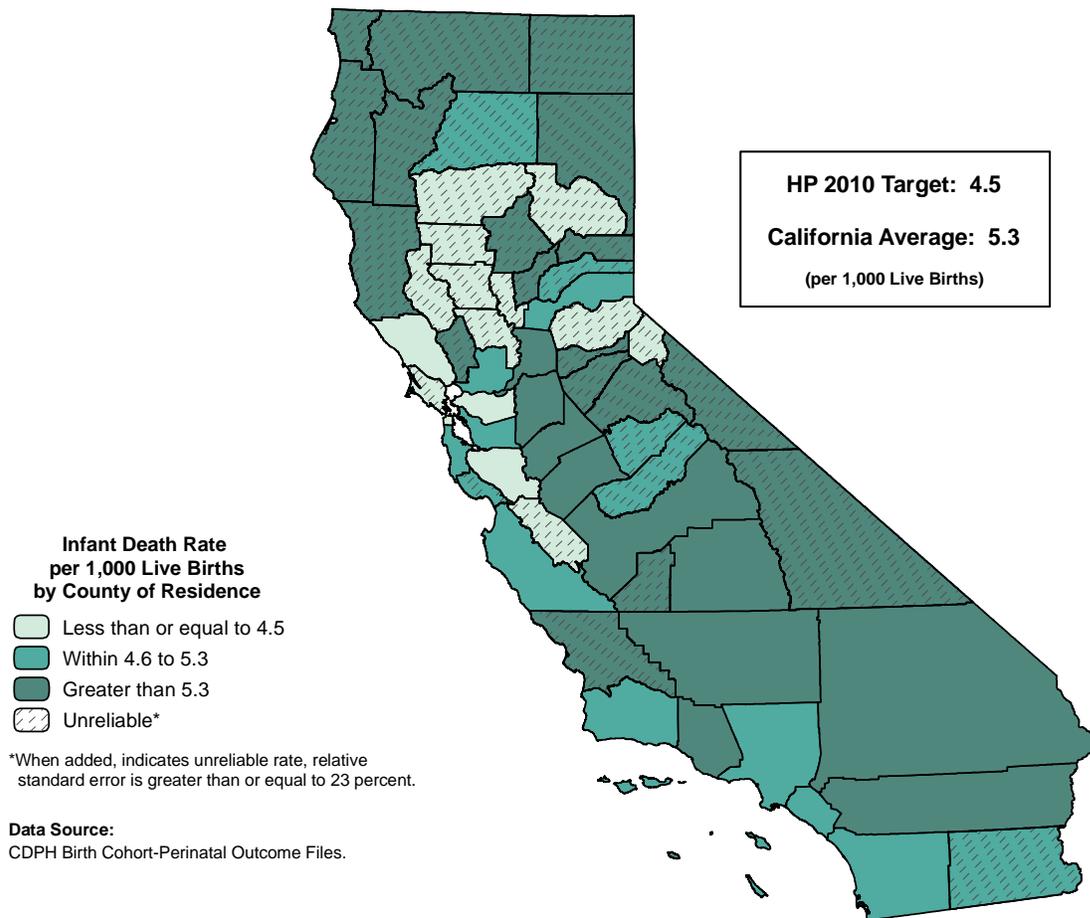
* Case rate unreliable, relative standard error is greater than or equal to 23 percent.

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, Communicable Disease Control.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

INFANT MORTALITY, ALL RACE/ETHNIC GROUPS, 2004-2006



The birth cohort infant death rate for California was 5.3 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 187 births. This rate was based on a 2004 to 2006 three-year average number of infant deaths equaling 2,952.3 and 552,042.3 live births.

Among counties with "reliable" rates, the birth cohort infant death rate ranged from 7.0 in San Bernardino County to 3.8 in Sonoma County, a factor of 1.8 to 1.

Fifteen counties with four demonstrating reliable rates met the Healthy People 2010 National Objective: 16-1c, 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, 2004-2006**

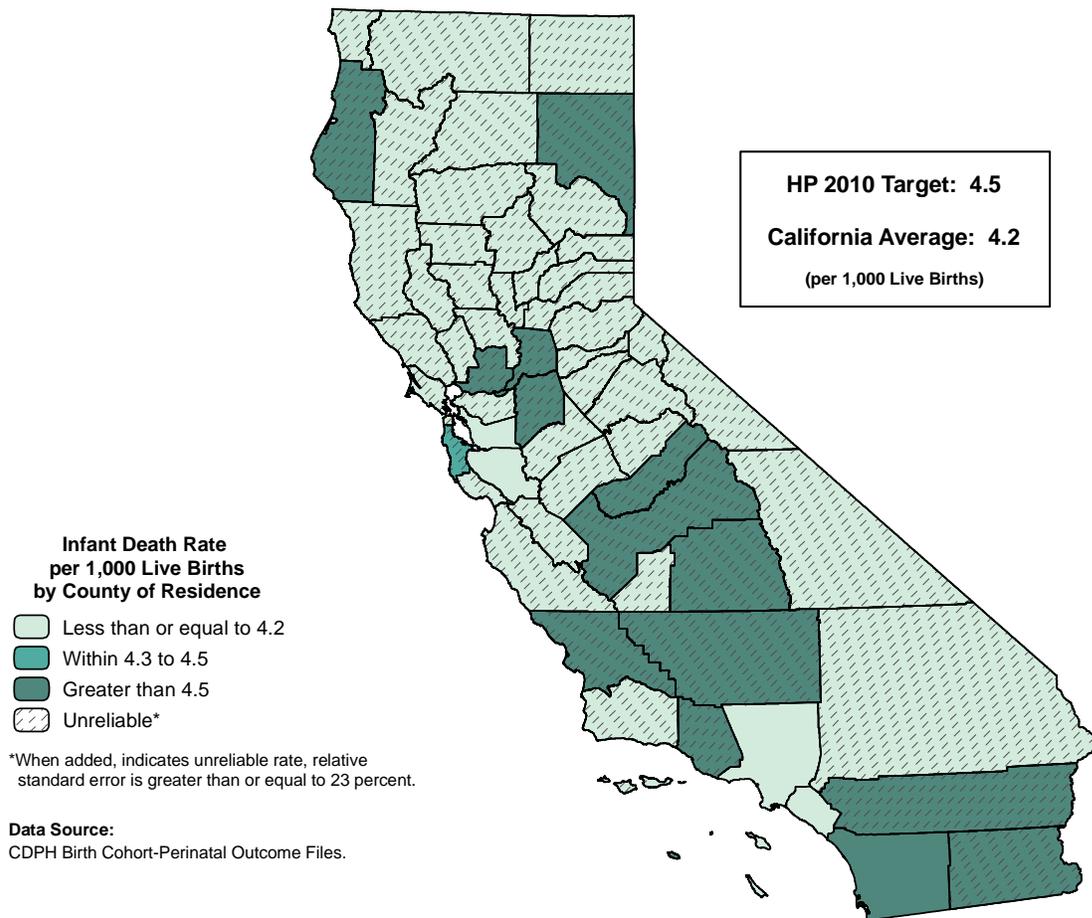
RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	ALPINE	12.0	0.0	-	-	-
2	PLUMAS	173.7	0.3	1.9 *	0.0	8.4
3	COLUSA	371.7	1.0	2.7 *	0.0	8.0
4	MARIN	2,771.3	8.0	2.9 *	0.9	4.9
5	SAN BENITO	888.0	2.7	3.0 *	0.0	6.6
6	LAKE	703.3	2.3	3.3 *	0.0	7.6
7	YOLO	2,501.7	8.7	3.5 *	1.2	5.8
8	EL DORADO	1,955.3	7.3	3.8 *	1.0	6.5
9	TEHAMA	796.7	3.0	3.8 *	0.0	8.0
10	SONOMA	5,825.3	22.0	3.8	2.2	5.4
11	SUTTER	1,468.0	5.7	3.9 *	0.7	7.0
12	SAN FRANCISCO	8,532.3	33.0	3.9	2.5	5.2
13	GLENN	428.0	1.7	3.9 *	0.0	9.8
14	SANTA CLARA	26,681.7	110.0	4.1	3.4	4.9
15	CONTRA COSTA	13,333.7	56.3	4.2	3.1	5.3
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
16	ORANGE	44,457.3	204.0	4.6	4.0	5.2
17	MARIPOSA	143.7	0.7	4.6 *	0.0	15.8
18	SAN MATEO	9,946.3	46.7	4.7	3.3	6.0
19	ALAMEDA	20,967.7	100.0	4.8	3.8	5.7
20	SANTA CRUZ	3,467.0	16.7	4.8 *	2.5	7.1
21	IMPERIAL	3,015.7	14.7	4.9 *	2.4	7.4
22	NEVADA	813.7	4.0	4.9 *	0.1	9.7
23	MONTEREY	7,457.7	36.7	4.9	3.3	6.5
24	PLACER	3,838.7	19.0	4.9	2.7	7.2
25	SANTA BARBARA	6,190.0	32.0	5.2	3.4	7.0
26	SHASTA	2,122.3	11.0	5.2 *	2.1	8.2
27	LOS ANGELES	151,324.0	787.7	5.2	4.8	5.6
28	SOLANO	5,743.7	30.0	5.2	3.4	7.1
29	SAN DIEGO	46,191.0	241.7	5.2	4.6	5.9
30	MADERA	2,439.7	13.0	5.3 *	2.4	8.2
CALIFORNIA		552,042.3	2,952.3	5.3	5.2	5.5
31	TULARE	8,138.0	44.7	5.5	3.9	7.1
32	CALAVERAS	362.3	2.0	5.5 *	0.0	13.2
33	YUBA	1,261.3	7.0	5.5 *	1.4	9.7
34	MERCED	4,502.7	25.0	5.6	3.4	7.7
35	SAN LUIS OBISPO	2,695.7	15.0	5.6 *	2.7	8.4
36	TRINITY	119.0	0.7	5.6 *	0.0	19.1
37	RIVERSIDE	31,588.0	178.0	5.6	4.8	6.5
38	NAPA	1,672.3	9.7	5.8 *	2.1	9.4
39	LASSEN	283.3	1.7	5.9 *	0.0	14.8
40	SACRAMENTO	21,327.7	128.3	6.0	5.0	7.1
41	HUMBOLDT	1,586.0	9.7	6.1 *	2.3	9.9
42	VENTURA	12,192.7	77.0	6.3	4.9	7.7
43	SAN JOAQUIN	11,430.0	73.7	6.4	5.0	7.9
44	KERN	14,199.0	95.0	6.7	5.3	8.0
45	STANISLAUS	8,412.3	56.7	6.7	5.0	8.5
46	BUTTE	2,479.7	17.0	6.9 *	3.6	10.1
47	FRESNO	16,237.7	112.0	6.9	5.6	8.2
48	SAN BERNARDINO	33,227.3	232.0	7.0	6.1	7.9
49	KINGS	2,595.7	18.7	7.2 *	3.9	10.5
50	TUOLUMNE	472.7	3.7	7.8 *	0.0	15.7
51	SISKIYOU	477.3	4.0	8.4 *	0.2	16.6
52	AMADOR	274.7	2.3	8.5 *	0.0	19.4
53	MENDOCINO	1,121.0	10.0	8.9 *	3.4	14.4
54	DEL NORTE	325.7	3.0	9.2 *	0.0	19.6
55	MONO	171.7	1.7	9.7 *	0.0	24.4
56	MODOC	82.3	1.0	12.1 *	0.0	36.0
57	INYO	223.0	3.0	13.5 *	0.0	28.7
58	SIERRA	22.3	0.3	14.9 *	0.0	65.6

- 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 birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
 Source: California Department of Public Health: 2004-2006 Birth Cohort-Perinatal Outcome Files.

ASIAN/PACIFIC ISLANDER INFANT MORTALITY, 2004-2006



The Asian/Pacific Islander birth cohort infant death rate for California was 4.2 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 241 births. This rate was based on a 2004 to 2006 three-year average number of infant deaths equaling 269.3 infant deaths and 64,817.7 live births.

Among counties with "reliable" rates, the birth cohort infant death rate for Asian/Pacific Islanders ranged from 4.7 in San Diego County to 3.6 in Orange County, a factor of 1.3 to 1.

Forty-four counties with four demonstrating reliable rates and California as a whole met the Healthy People 2010 National Objective: 16-1c, 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, 2004-2006

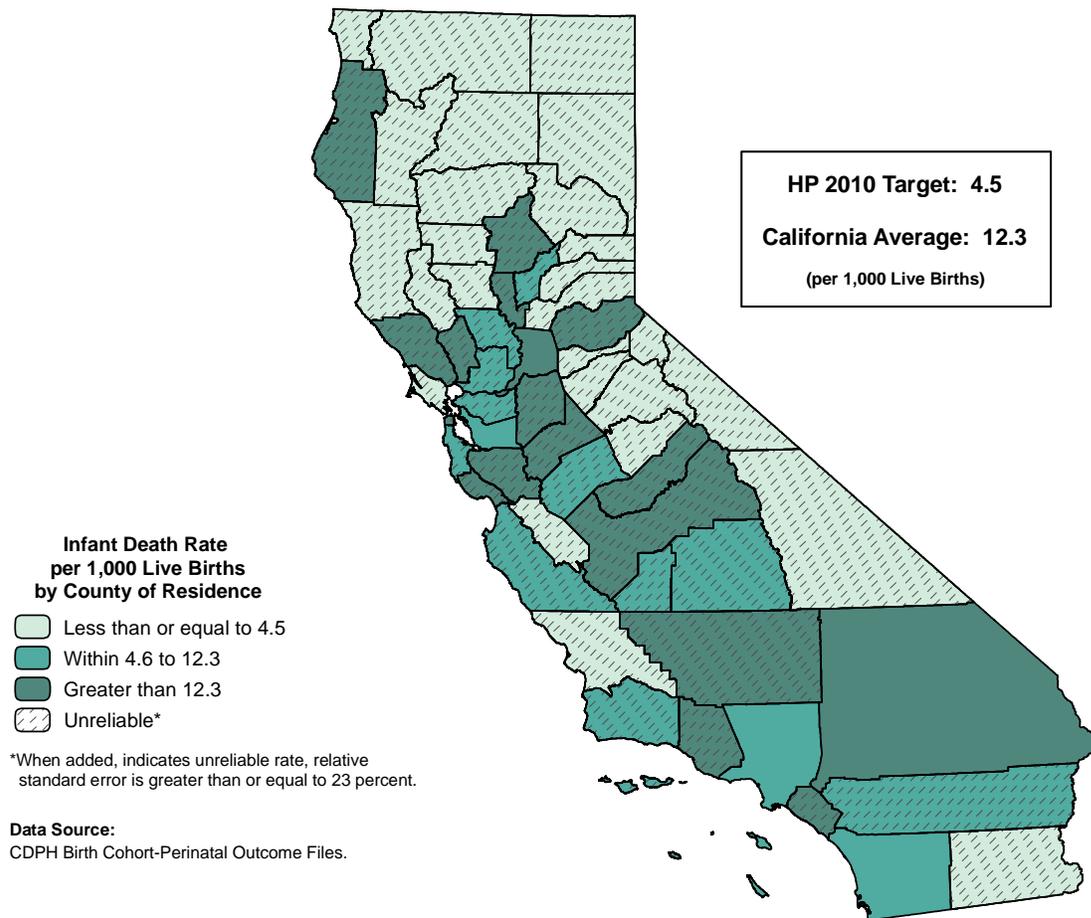
RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	MARIN	209.0	0.0	-	-	-
2	SUTTER	209.0	0.0	-	-	-
3	YUBA	109.7	0.0	-	-	-
4	NAPA	98.3	0.0	-	-	-
5	KINGS	93.3	0.0	-	-	-
6	SHASTA	86.7	0.0	-	-	-
7	SAN BENITO	19.7	0.0	-	-	-
8	MENDOCINO	13.7	0.0	-	-	-
9	SISKIYOU	12.3	0.0	-	-	-
10	GLENN	11.3	0.0	-	-	-
11	NEVADA	10.7	0.0	-	-	-
12	DEL NORTE	10.0	0.0	-	-	-
13	LAKE	9.0	0.0	-	-	-
14	TEHAMA	8.3	0.0	-	-	-
15	CALAVERAS	6.7	0.0	-	-	-
16	TUOLUMNE	6.3	0.0	-	-	-
17	AMADOR	5.3	0.0	-	-	-
18	INYO	3.0	0.0	-	-	-
19	COLUSA	2.3	0.0	-	-	-
20	MARIPOSA	2.0	0.0	-	-	-
21	PLUMAS	2.0	0.0	-	-	-
22	MONO	1.7	0.0	-	-	-
23	MODOC	1.0	0.0	-	-	-
24	TRINITY	1.0	0.0	-	-	-
25	SIERRA	0.3	0.0	-	-	-
26	ALPINE	0.0	0.0	-	-	-
27	SAN FRANCISCO	2,701.0	6.0	2.2 *	0.4	4.0
28	BUTTE	148.0	0.3	2.3 *	0.0	9.9
29	SONOMA	289.0	0.7	2.3 *	0.0	7.8
30	PLACER	257.3	0.7	2.6 *	0.0	8.8
31	SANTA BARBARA	242.7	0.7	2.7 *	0.0	9.3
32	SANTA CRUZ	104.3	0.3	3.2 *	0.0	14.0
33	MERCED	310.7	1.0	3.2 *	0.0	9.5
34	CONTRA COSTA	1,916.0	6.7	3.5 *	0.8	6.1
35	ORANGE	7,022.3	25.0	3.6	2.2	5.0
36	SANTA CLARA	8,478.7	31.7	3.7	2.4	5.0
37	SAN BERNARDINO	1,784.0	6.7	3.7 *	0.9	6.6
38	ALAMEDA	5,583.3	21.0	3.8	2.2	5.4
39	STANISLAUS	430.3	1.7	3.9 *	0.0	9.8
40	MONTEREY	341.7	1.3	3.9 *	0.0	10.5
41	LOS ANGELES	16,151.3	65.0	4.0	3.0	5.0
42	YOLO	245.3	1.0	4.1 *	0.0	12.1
43	EL DORADO	80.7	0.3	4.1 *	0.0	18.2
	CALIFORNIA	64,817.7	269.3	4.2	3.7	4.7
44	SAN MATEO	2,565.7	11.7	4.5 *	1.9	7.2
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)			4.5		
45	SAN DIEGO	4,578.0	21.3	4.7	2.7	6.6
46	SACRAMENTO	3,429.3	17.0	5.0 *	2.6	7.3
47	RIVERSIDE	1,539.7	9.0	5.8 *	2.0	9.7
48	FRESNO	1,504.0	9.0	6.0 *	2.1	9.9
49	VENTURA	777.3	4.7	6.0 *	0.6	11.5
50	HUMBOLDT	51.7	0.3	6.5 *	0.0	28.4
51	SOLANO	835.3	5.7	6.8 *	1.2	12.4
52	SAN JOAQUIN	1,653.7	11.7	7.1 *	3.0	11.1
53	TULARE	236.0	1.7	7.1 *	0.0	17.8
54	KERN	473.0	4.3	9.2 *	0.5	17.8
55	IMPERIAL	33.0	0.3	10.1 *	0.0	44.4
56	MADERA	37.7	0.7	17.7 *	0.0	60.2
57	SAN LUIS OBISPO	77.7	1.7	21.5 *	0.0	54.0
58	LASSEN	6.3	0.3	52.6 *	0.0	231.3

- 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: 2004-2006 Birth Cohort-Perinatal Outcome Files.

BLACK INFANT MORTALITY, 2004-2006



The Black birth cohort infant death rate for California was 12.3 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 81 births. This rate was based on a 2004 to 2006 three-year average number of infant deaths equaling 359.7 and 29,176.7 live births.

Among counties with "reliable" rates, the birth cohort infant death rate for Blacks ranged from 18.8 in San Bernardino County to 10.0 in San Diego County, a factor of 1.9 to 1.

Twenty-six counties with unreliable rates (relative standard error of measurement is greater than or equal to 23 percent) met the Healthy People 2010 National Objective: 16-1c, 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, 2004-2006**

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	MARIN	51.7	0.0	-	-	-
2	PLACER	34.0	0.0	-	-	-
3	SHASTA	21.7	0.0	-	-	-
4	IMPERIAL	20.7	0.0	-	-	-
5	SAN LUIS OBISPO	20.0	0.0	-	-	-
6	LAKE	10.7	0.0	-	-	-
7	SISKIYOU	5.0	0.0	-	-	-
8	MENDOCINO	4.0	0.0	-	-	-
9	SAN BENITO	3.3	0.0	-	-	-
10	CALAVERAS	2.7	0.0	-	-	-
11	NEVADA	2.3	0.0	-	-	-
12	GLENN	2.0	0.0	-	-	-
13	COLUSA	1.7	0.0	-	-	-
14	TEHAMA	1.7	0.0	-	-	-
15	LASSEN	1.3	0.0	-	-	-
16	PLUMAS	1.3	0.0	-	-	-
17	MARIPOSA	1.0	0.0	-	-	-
18	AMADOR	0.3	0.0	-	-	-
19	DEL NORTE	0.3	0.0	-	-	-
20	MONO	0.3	0.0	-	-	-
21	TUOLUMNE	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	-	-	-
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
27	KINGS	116.3	0.7	5.7 *	0.0	19.5
28	MONTEREY	96.0	0.7	6.9 *	0.0	23.6
29	YOLO	47.7	0.3	7.0 *	0.0	30.7
30	TULARE	81.7	0.7	8.2 *	0.0	27.8
31	SOLANO	713.0	6.0	8.4 *	1.7	15.1
32	SANTA BARBARA	74.0	0.7	9.0 *	0.0	30.6
33	RIVERSIDE	1,465.0	14.0	9.6 *	4.6	14.6
34	CONTRA COSTA	1,186.0	11.7	9.8 *	4.2	15.5
35	SAN DIEGO	2,129.3	21.3	10.0	5.8	14.3
36	ALAMEDA	2,469.0	25.0	10.1	6.2	14.1
37	MERCED	129.7	1.3	10.3 *	0.0	27.7
38	SAN MATEO	219.0	2.3	10.7 *	0.0	24.3
39	LOS ANGELES	11,029.7	125.7	11.4	9.4	13.4
40	YUBA	28.7	0.3	11.6 *	0.0	51.1
CALIFORNIA		29,176.7	359.7	12.3	11.1	13.6
41	SANTA CLARA	538.7	7.0	13.0 *	3.4	22.6
42	SAN JOAQUIN	794.0	10.3	13.0 *	5.1	20.9
43	SACRAMENTO	2,104.0	28.3	13.5	8.5	18.4
44	ORANGE	453.3	6.3	14.0 *	3.1	24.9
45	SAN FRANCISCO	554.7	8.3	15.0 *	4.8	25.2
46	SONOMA	63.3	1.0	15.8 *	0.0	46.7
47	SUTTER	21.0	0.3	15.9 *	0.0	69.8
48	KERN	728.0	12.0	16.5 *	7.2	25.8
49	MADERA	40.3	0.7	16.5 *	0.0	56.2
50	NAPA	20.0	0.3	16.7 *	0.0	73.2
51	FRESNO	816.0	14.7	18.0 *	8.8	27.2
52	SAN BERNARDINO	2,708.3	51.0	18.8	13.7	24.0
53	BUTTE	34.0	0.7	19.6 *	0.0	66.7
54	VENTURA	133.7	3.0	22.4 *	0.0	47.8
55	STANISLAUS	161.0	4.0	24.8 *	0.5	49.2
56	SANTA CRUZ	13.0	0.3	25.6 *	0.0	112.7
57	HUMBOLDT	12.3	0.3	27.0 *	0.0	118.8
58	EL DORADO	9.7	0.3	34.5 *	0.0	151.5

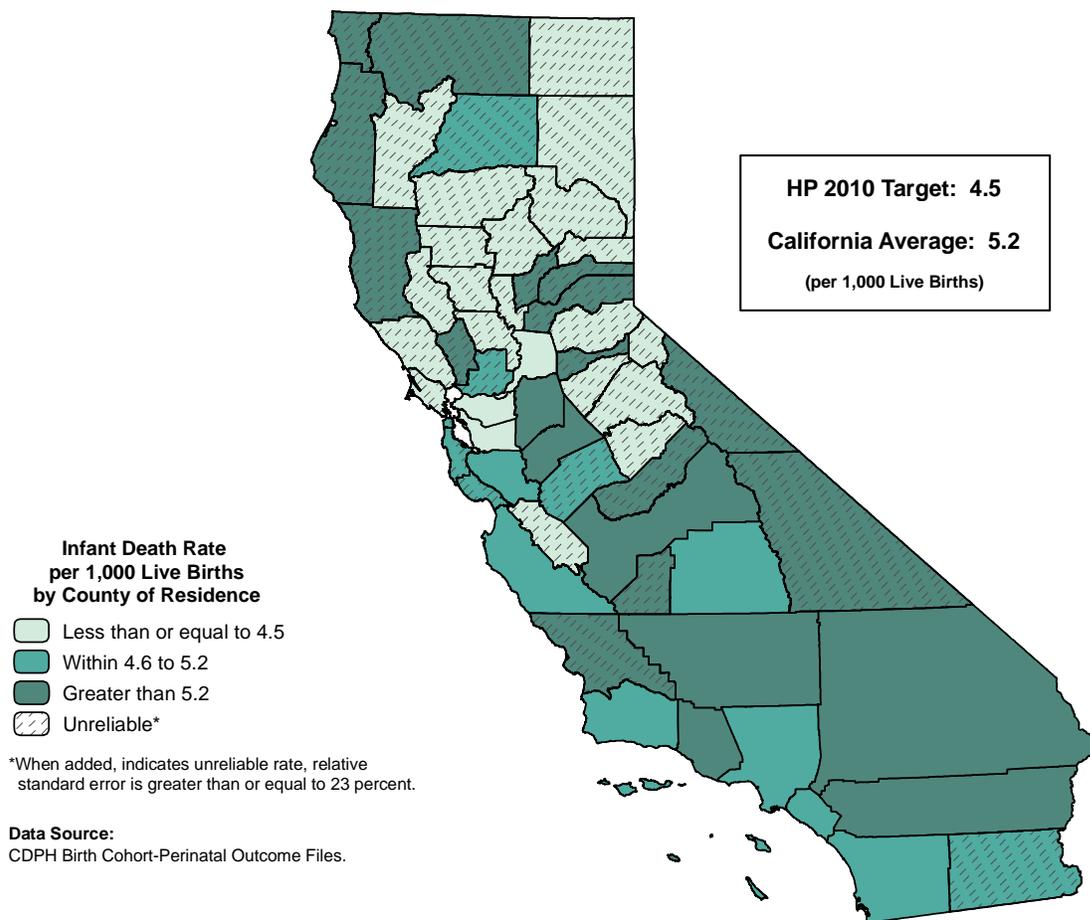
- Rates, percentages, and confidence limits are not calculated for zero events.

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

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

Source: California Department of Public Health: 2004-2006 Birth Cohort-Perinatal Outcome Files.

HISPANIC INFANT MORTALITY, 2004-2006



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 a 2004 to 2006 three-year average number of infant deaths equaling 1,488.7 and 283,855.7 live births.

Among counties with "reliable" rates, the birth cohort infant death rate for Hispanics ranged from 7.2 in Stanislaus County to 4.1 in Contra Costa County, a factor of 1.8 to 1.

Twenty-three counties with three demonstrating reliable rates met the Healthy People 2010 National Objective: 16-1c, 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, 2004-2006**

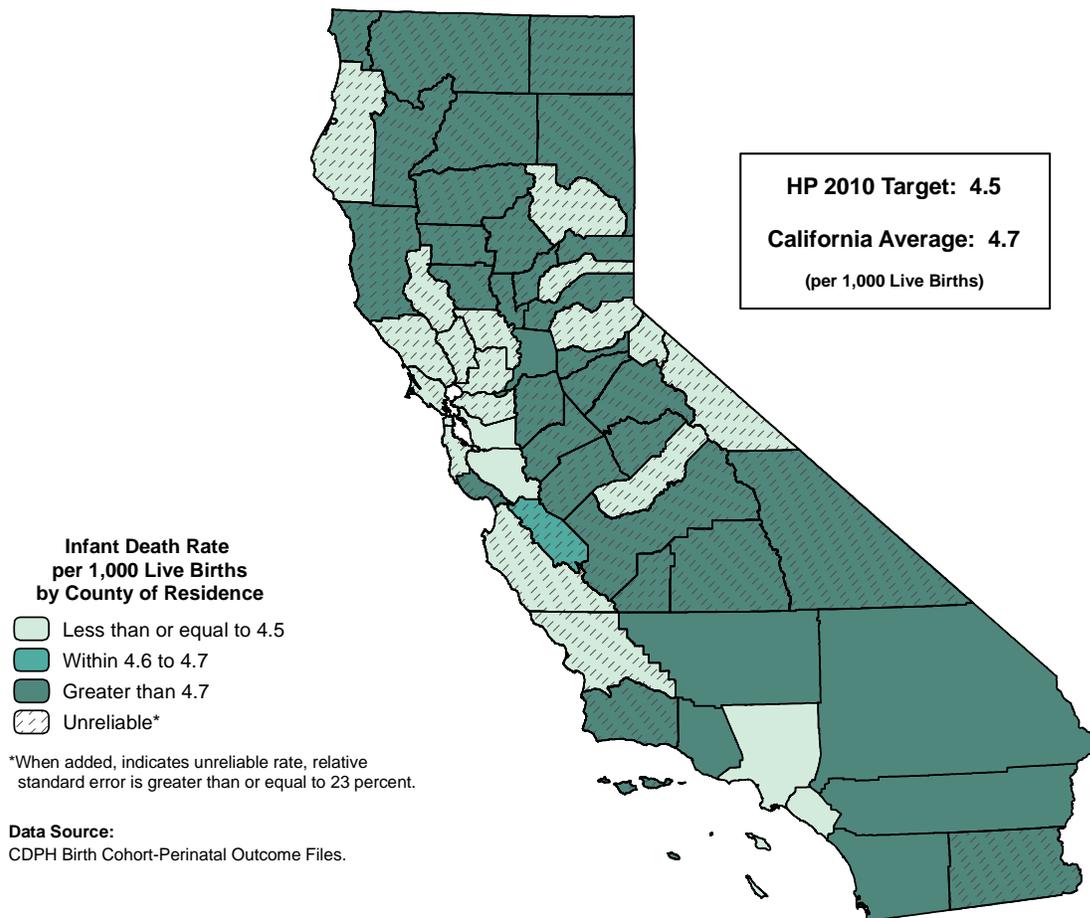
RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	COLUSA	257.0	0.0	-	-	-
2	TUOLUMNE	68.0	0.0	-	-	-
3	CALAVERAS	45.7	0.0	-	-	-
4	LASSEN	37.0	0.0	-	-	-
5	PLUMAS	20.3	0.0	-	-	-
6	MARIPOSA	12.0	0.0	-	-	-
7	MODOC	11.3	0.0	-	-	-
8	TRINITY	10.3	0.0	-	-	-
9	SIERRA	4.3	0.0	-	-	-
10	ALPINE	0.7	0.0	-	-	-
11	LAKE	162.3	0.3	2.1 *	0.0	9.0
12	MARIN	713.3	1.7	2.3 *	0.0	5.9
13	EL DORADO	408.7	1.0	2.4 *	0.0	7.2
14	TEHAMA	262.0	0.7	2.5 *	0.0	8.7
15	SAN BENITO	633.7	1.7	2.6 *	0.0	6.6
16	YOLO	1,100.0	3.3	3.0 *	0.0	6.3
17	GLENN	201.0	0.7	3.3 *	0.0	11.3
18	BUTTE	494.0	1.7	3.4 *	0.0	8.5
19	SUTTER	566.3	2.0	3.5 *	0.0	8.4
20	SONOMA	2,450.7	10.0	4.1 *	1.6	6.6
21	CONTRA COSTA	4,602.0	19.0	4.1	2.3	6.0
22	SACRAMENTO	6,177.3	25.7	4.2	2.5	5.8
23	ALAMEDA	6,606.7	29.3	4.4	2.8	6.0
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
24	IMPERIAL	2,702.7	12.3	4.6 *	2.0	7.1
25	SHASTA	218.3	1.0	4.6 *	0.0	13.6
26	SAN FRANCISCO	1,786.0	8.3	4.7 *	1.5	7.8
27	SANTA CRUZ	1,942.0	9.3	4.8 *	1.7	7.9
28	SANTA CLARA	9,622.3	47.0	4.9	3.5	6.3
29	SOLANO	1,963.0	9.7	4.9 *	1.8	8.0
30	ORANGE	22,523.0	112.7	5.0	4.1	5.9
31	LOS ANGELES	95,433.3	481.7	5.0	4.6	5.5
32	MONTEREY	5,507.3	28.0	5.1	3.2	7.0
33	SANTA BARBARA	4,009.7	20.7	5.2	2.9	7.4
34	MERCED	2,906.7	15.0	5.2 *	2.5	7.8
35	SAN MATEO	3,288.0	17.0	5.2 *	2.7	7.6
36	SAN DIEGO	20,215.0	105.0	5.2	4.2	6.2
37	TULARE	5,807.7	30.3	5.2	3.4	7.1
CALIFORNIA		283,855.7	1,488.7	5.2	5.0	5.5
38	MADERA	1,746.0	9.3	5.3 *	1.9	8.8
39	SAN JOAQUIN	5,713.0	31.7	5.5	3.6	7.5
40	RIVERSIDE	18,801.3	104.3	5.5	4.5	6.6
41	SAN BERNARDINO	19,436.7	111.7	5.7	4.7	6.8
42	KERN	8,421.3	50.0	5.9	4.3	7.6
43	YUBA	371.0	2.3	6.3 *	0.0	14.4
44	HUMBOLDT	202.7	1.3	6.6 *	0.0	17.7
45	MENDOCINO	402.7	2.7	6.6 *	0.0	14.6
46	FRESNO	10,015.0	66.7	6.7	5.1	8.3
47	VENTURA	6,893.0	46.3	6.7	4.8	8.7
48	PLACER	739.0	5.0	6.8 *	0.8	12.7
49	SAN LUIS OBISPO	934.7	6.3	6.8 *	1.5	12.1
50	STANISLAUS	4,589.0	33.0	7.2	4.7	9.6
51	NAPA	867.7	6.3	7.3 *	1.6	13.0
52	KINGS	1,499.0	11.3	7.6 *	3.2	12.0
53	SISKIYOU	85.3	0.7	7.8 *	0.0	26.6
54	AMADOR	38.0	0.3	8.8 *	0.0	38.6
55	INYO	71.7	0.7	9.3 *	0.0	31.6
56	NEVADA	118.0	1.3	11.3 *	0.0	30.5
57	MONO	86.7	1.0	11.5 *	0.0	34.2
58	DEL NORTE	54.3	1.3	24.5 *	0.0	66.2

- 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 birth cohort death rate (calculated to 15 decimal places), second by decreasing total number of live births.
Source: California Department of Public Health: 2004-2006 Birth Cohort-Perinatal Outcome Files.

WHITE INFANT MORTALITY, 2004-2006



The White birth cohort infant death rate for California was 4.7 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 212 births. This rate was based on a 2004 to 2006 three-year average number of infant deaths equaling 737.7 and 156,686.7 live births.

Among counties with "reliable" rates, the birth cohort infant death rate for Whites ranged from 6.5 in Kern and San Bernardino Counties to 3.5 in Alameda and Santa Clara Counties, a factor of 1.9 to 1.

Twenty-two counties with four demonstrating reliable rates met the Healthy People 2010 National Objective: 16-1c, 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, 2004-2006**

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	ALPINE	6.7	0.0	-	-	-
2	PLUMAS	140.3	0.3	2.4 *	0.0	10.4
3	YOLO	1,043.7	3.0	2.9 *	0.0	6.1
4	SAN FRANCISCO	3,274.3	9.7	3.0 *	1.1	4.8
5	SOLANO	1,997.3	6.3	3.2 *	0.7	5.6
6	CONTRA COSTA	4,962.7	16.0	3.2 *	1.6	4.8
7	MARIN	1,752.0	6.0	3.4 *	0.7	6.2
8	ALAMEDA	5,485.0	19.0	3.5	1.9	5.0
9	SANTA CLARA	6,325.7	22.0	3.5	2.0	4.9
10	LAKE	475.7	1.7	3.5 *	0.0	8.8
11	SONOMA	2,820.0	10.0	3.5 *	1.3	5.7
12	LOS ANGELES	26,340.7	99.3	3.8	3.0	4.5
13	SAN MATEO	3,308.3	13.0	3.9 *	1.8	6.1
14	NEVADA	662.3	2.7	4.0 *	0.0	8.9
15	MADERA	579.0	2.3	4.0 *	0.0	9.2
16	EL DORADO	1,395.0	5.7	4.1 *	0.7	7.4
17	NAPA	655.7	2.7	4.1 *	0.0	8.9
18	MONO	79.0	0.3	4.2 *	0.0	18.5
19	SAN LUIS OBISPO	1,569.0	6.7	4.2 *	1.0	7.5
20	MONTEREY	1,389.7	6.0	4.3 *	0.9	7.8
21	ORANGE	13,461.0	58.3	4.3	3.2	5.4
22	HUMBOLDT	1,120.0	5.0	4.5 *	0.6	8.4
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
23	SAN BENITO	219.0	1.0	4.6 *	0.0	13.5
	CALIFORNIA	156,686.7	737.7	4.7	4.4	5.0
24	TEHAMA	490.7	2.3	4.8 *	0.0	10.9
25	PLACER	2,679.7	13.0	4.9 *	2.2	7.5
26	RIVERSIDE	9,009.0	44.3	4.9	3.5	6.4
27	GLENN	200.7	1.0	5.0 *	0.0	14.8
28	SAN DIEGO	15,481.0	79.0	5.1	4.0	6.2
29	SANTA CRUZ	1,301.7	6.7	5.1 *	1.2	9.0
30	FRESNO	3,618.3	18.7	5.2 *	2.8	7.5
31	VENTURA	3,931.0	20.3	5.2	2.9	7.4
32	TULARE	1,865.3	9.7	5.2 *	1.9	8.4
33	YUBA	702.0	3.7	5.2 *	0.0	10.6
34	SUTTER	636.0	3.3	5.2 *	0.0	10.9
35	STANISLAUS	2,968.7	16.0	5.4 *	2.7	8.0
36	MARIPOSA	121.0	0.7	5.5 *	0.0	18.7
37	SANTA BARBARA	1,739.0	9.7	5.6 *	2.1	9.1
38	SACRAMENTO	8,755.3	49.7	5.7	4.1	7.3
39	SHASTA	1,694.3	9.7	5.7 *	2.1	9.3
40	LASSEN	223.3	1.3	6.0 *	0.0	16.1
41	SAN JOAQUIN	2,953.7	17.7	6.0 *	3.2	8.8
42	MERCED	1,102.0	6.7	6.0 *	1.5	10.6
43	SAN BERNARDINO	8,661.0	56.0	6.5	4.8	8.2
44	KERN	4,337.0	28.3	6.5	4.1	8.9
45	COLUSA	100.0	0.7	6.7 *	0.0	22.7
46	TRINITY	97.0	0.7	6.9 *	0.0	23.4
47	CALAVERAS	285.0	2.0	7.0 *	0.0	16.7
48	DEL NORTE	218.0	1.7	7.6 *	0.0	19.3
49	KINGS	838.3	6.7	8.0 *	1.9	14.0
50	MENDOCINO	584.7	4.7	8.0 *	0.7	15.2
51	BUTTE	1,674.0	13.7	8.2 *	3.8	12.5
52	IMPERIAL	237.3	2.0	8.4 *	0.0	20.1
53	TUOLUMNE	378.7	3.3	8.8 *	0.0	18.3
54	AMADOR	213.3	2.0	9.4 *	0.0	22.4
55	SISKIYOU	332.0	3.3	10.0 *	0.0	20.8
56	MODOC	64.7	0.7	10.3 *	0.0	35.1
57	INYO	113.7	1.3	11.7 *	0.0	31.6
58	SIERRA	17.3	0.3	19.2 *	0.0	84.5

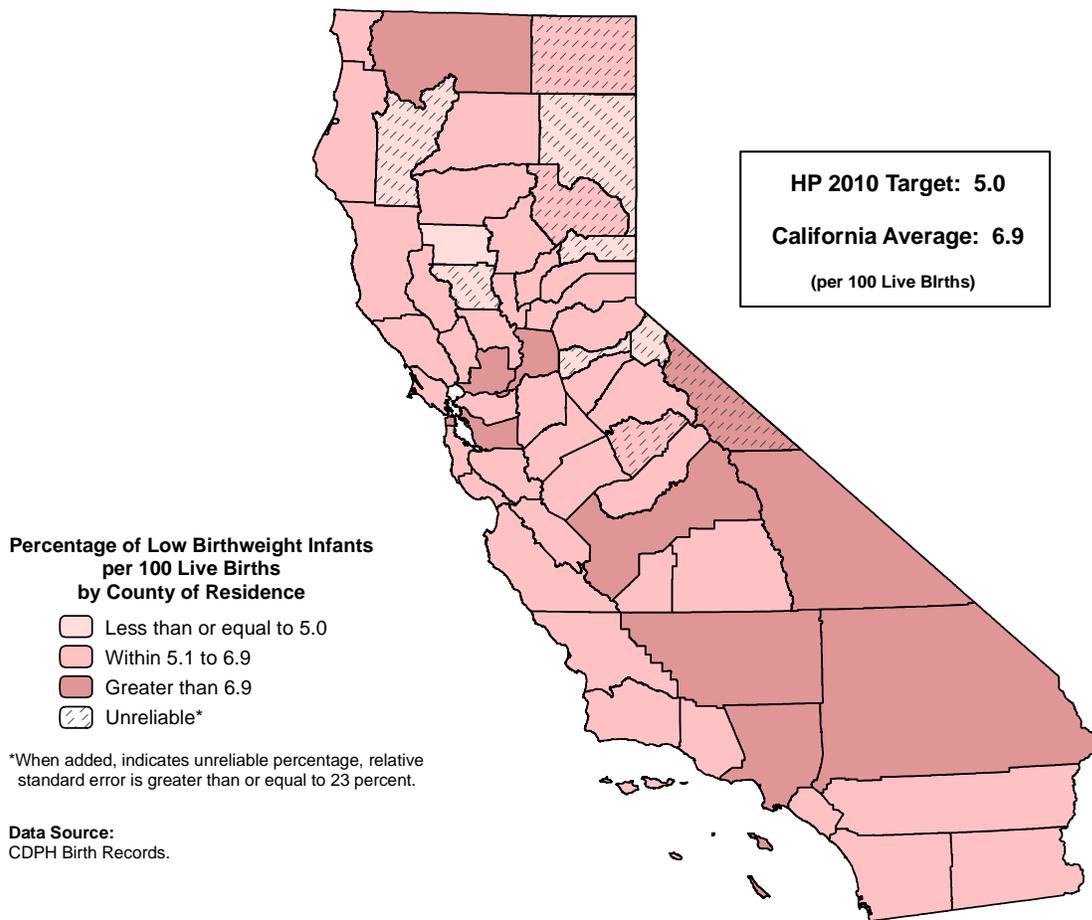
- Rates, percentages, and confidence limits are not calculated for zero events.

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

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

Source: California Department of Public Health: 2004-2006 Birth Cohort-Perinatal Outcome Files.

LOW BIRTHWEIGHT INFANTS, 2005-2007



The percentage of low birthweight infants for California was 6.9 per 100 live births, a percent equivalent to one in 15 live births. This percentage was based on a 2005 to 2007 three-year average number of low birthweight infants equaling 38,364.3 and 558,979.0 live births.

Among counties with "reliable" percentages, the percent of low birthweight infants ranged from 9.1 in Inyo County to 4.8 in Glenn County, a factor of 1.9 to 1.

Seven counties with one demonstrating a reliable percentage met the Healthy People 2010 National Objective: 16-10a, 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, 2005-2007**

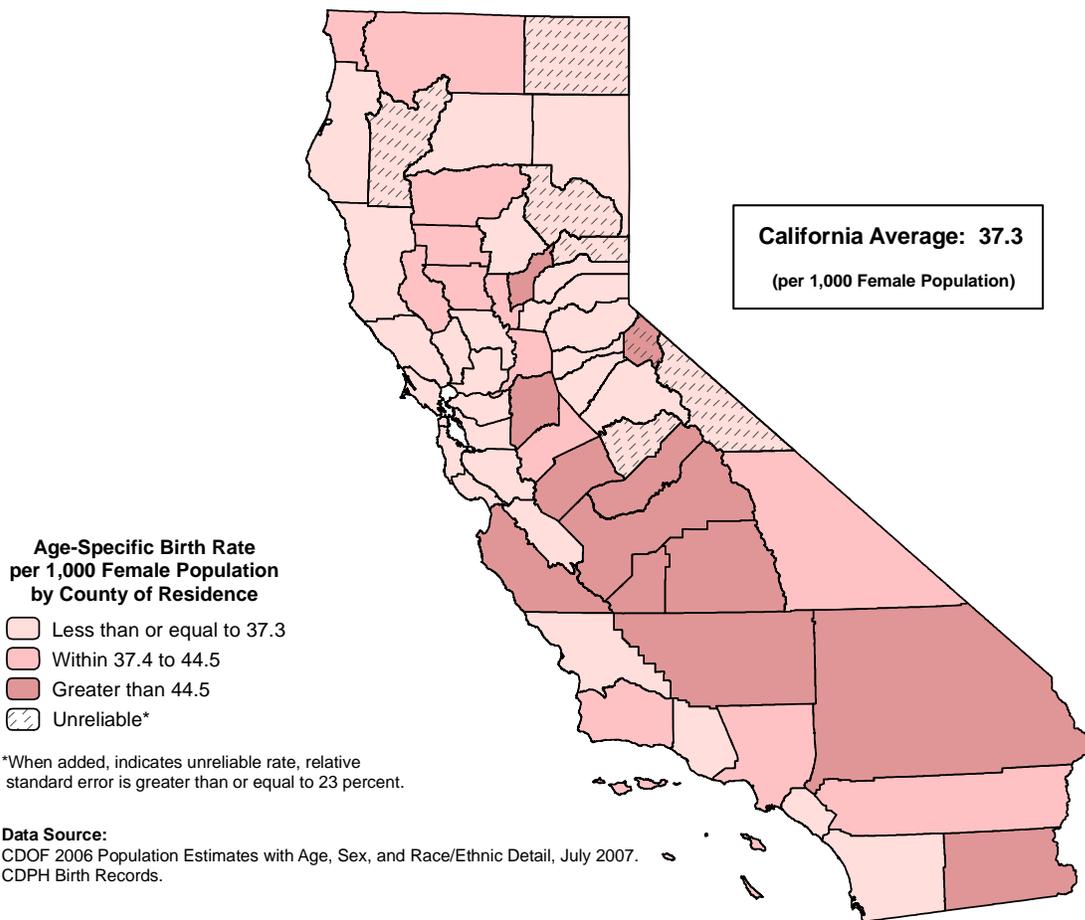
RANK ORDER	COUNTY OF RESIDENCE	2005-2007 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		LIVE BIRTHS	LOW BIRTHWEIGHT		LOWER	UPPER
			NUMBER	PERCENT		
1	ALPINE	13.7	0.3	2.4 *	0.0	10.7
2	SIERRA	24.3	1.0	4.1 *	0.0	12.2
3	COLUSA	385.3	17.0	4.4 *	2.3	6.5
4	AMADOR	285.3	12.7	4.4 *	2.0	6.9
5	TRINITY	119.7	5.7	4.7 *	0.8	8.6
6	GLENN	440.0	21.3	4.8	2.8	6.9
7	LASSEN	270.7	13.7	5.0 *	2.4	7.7
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-10a)				5.0		
8	MARIPOSA	140.7	7.3	5.2 *	1.4	9.0
9	YOLO	2,540.3	135.3	5.3	4.4	6.2
10	TEHAMA	818.3	44.3	5.4	3.8	7.0
11	PLUMAS	178.0	9.7	5.4 *	2.0	8.9
12	SUTTER	1,519.3	83.0	5.5	4.3	6.6
13	TUOLUMNE	471.7	26.0	5.5	3.4	7.6
14	SANTA CRUZ	3,518.7	201.7	5.7	4.9	6.5
15	PLACER	3,922.0	227.3	5.8	5.0	6.5
16	MODOC	80.3	4.7	5.8 *	0.5	11.1
17	DEL NORTE	349.3	20.3	5.8	3.3	8.4
18	SONOMA	5,750.3	335.7	5.8	5.2	6.5
19	MONTEREY	7,508.7	446.3	5.9	5.4	6.5
20	NAPA	1,692.0	100.7	5.9	4.8	7.1
21	LAKE	721.7	43.3	6.0	4.2	7.8
22	EL DORADO	1,949.0	118.3	6.1	5.0	7.2
23	HUMBOLDT	1,613.3	98.0	6.1	4.9	7.3
24	MERCED	4,620.7	281.3	6.1	5.4	6.8
25	MARIN	2,779.3	169.7	6.1	5.2	7.0
26	TULARE	8,318.7	511.3	6.1	5.6	6.7
27	SAN BENITO	886.3	54.7	6.2	4.5	7.8
28	YUBA	1,316.0	81.3	6.2	4.8	7.5
29	CALAVERAS	387.0	24.0	6.2	3.7	8.7
30	MADERA	2,527.3	157.7	6.2	5.3	7.2
31	BUTTE	2,534.0	158.7	6.3	5.3	7.2
32	IMPERIAL	3,111.0	195.3	6.3	5.4	7.2
33	SAN LUIS OBISPO	2,758.3	173.7	6.3	5.4	7.2
34	SANTA BARBARA	6,215.3	395.0	6.4	5.7	7.0
35	STANISLAUS	8,666.0	557.7	6.4	5.9	7.0
36	ORANGE	44,107.0	2,840.3	6.4	6.2	6.7
37	NEVADA	822.3	53.0	6.4	4.7	8.2
38	KINGS	2,672.3	174.0	6.5	5.5	7.5
39	RIVERSIDE	33,240.0	2,198.3	6.6	6.3	6.9
40	VENTURA	12,269.0	815.0	6.6	6.2	7.1
41	SANTA CLARA	26,991.7	1,799.0	6.7	6.4	7.0
42	SHASTA	2,181.3	145.7	6.7	5.6	7.8
43	SAN DIEGO	46,772.7	3,151.7	6.7	6.5	7.0
44	CONTRA COSTA	13,397.7	904.0	6.7	6.3	7.2
45	MENDOCINO	1,124.0	76.0	6.8	5.2	8.3
46	SAN MATEO	9,885.0	671.7	6.8	6.3	7.3
47	SAN JOAQUIN	11,621.0	794.0	6.8	6.4	7.3
CALIFORNIA		558,979.0	38,364.3	6.9	6.8	6.9
48	SACRAMENTO	21,747.0	1,530.3	7.0	6.7	7.4
49	SISKIYOU	491.7	34.7	7.1	4.7	9.4
50	SAN BERNARDINO	34,309.3	2,431.3	7.1	6.8	7.4
51	KERN	14,816.0	1,061.3	7.2	6.7	7.6
52	SAN FRANCISCO	8,712.0	625.0	7.2	6.6	7.7
53	ALAMEDA	21,158.7	1,532.7	7.2	6.9	7.6
54	FRESNO	16,700.3	1,213.3	7.3	6.9	7.7
55	SOLANO	5,795.0	421.3	7.3	6.6	8.0
56	LOS ANGELES	151,341.7	11,122.0	7.3	7.2	7.5
57	MONO	168.3	15.3	9.1 *	4.5	13.7
58	INYO	222.3	20.3	9.1	5.2	13.1

* 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: 2005-2007 Birth Statistical Master Files.

BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD, 2005-2007



The age-specific birth rate to adolescents aged 15 to 19 in California was 37.3 per 1,000 female population, a rate equivalent to approximately one birth for every 27 adolescent females. This rate was based on a 2005 to 2007 three-year average number of births 52,060.0 and 1,395,105 female population count as of July 1, 2006.

Among counties with "reliable" rates, the age-specific rate ranged from 63.5 in Madera County to 12.2 in Marin County, a factor of 5.2 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2006 FEMALE POPULATION 15-19 YRS OLD	2005-2007 LIVE BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTH RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE		
1	SIERRA	105	0.3	3.2 *	0.0	14.0
2	MARIN	7,148	87.3	12.2	9.7	14.8
3	PLACER	12,425	196.0	15.8	13.6	18.0
4	NEVADA	3,713	60.7	16.3	12.2	20.5
5	EL DORADO	7,309	121.7	16.6	13.7	19.6
6	MODOC	386	6.7	17.3 *	4.2	30.4
7	PLUMAS	767	14.7	19.1 *	9.3	28.9
8	MARIPOSA	646	13.0	20.1 *	9.2	31.1
9	AMADOR	1,210	24.7	20.4	12.3	28.4
10	SAN LUIS OBISPO	10,182	208.3	20.5	17.7	23.2
11	YOLO	9,692	209.3	21.6	18.7	24.5
12	CALAVERAS	1,681	36.3	21.6	14.6	28.6
13	TRINITY	524	11.3	21.6 *	9.0	34.2
14	SAN MATEO	21,202	464.0	21.9	19.9	23.9
15	SAN FRANCISCO	13,883	309.3	22.3	19.8	24.8
16	CONTRA COSTA	37,780	885.7	23.4	21.9	25.0
17	SONOMA	17,068	411.0	24.1	21.8	26.4
18	TUOLUMNE	1,849	45.0	24.3	17.2	31.4
19	LASSEN	1,170	29.3	25.1	16.0	34.1
20	SANTA CLARA	55,563	1,438.7	25.9	24.6	27.2
21	ALAMEDA	49,259	1,340.0	27.2	25.7	28.7
22	NAPA	4,606	127.7	27.7	22.9	32.5
23	BUTTE	8,977	258.3	28.8	25.3	32.3
24	ORANGE	107,667	3,127.0	29.0	28.0	30.1
25	HUMBOLDT	4,866	146.7	30.1	25.3	35.0
26	SOLANO	16,503	503.0	30.5	27.8	33.1
27	MONO	437	13.3	30.5 *	14.1	46.9
28	SANTA CRUZ	9,412	300.0	31.9	28.3	35.5
29	MENDOCINO	3,373	113.7	33.7	27.5	39.9
30	SAN DIEGO	109,346	3,777.0	34.5	33.4	35.6
31	SHASTA	7,117	252.0	35.4	31.0	39.8
32	VENTURA	31,098	1,104.0	35.5	33.4	37.6
33	SAN BENITO	2,406	85.7	35.6	28.1	43.1
	CALIFORNIA	1,395,105	52,060.0	37.3	37.0	37.6
34	SACRAMENTO	53,370	1,996.3	37.4	35.8	39.0
35	LOS ANGELES	380,339	14,494.7	38.1	37.5	38.7
36	SISKIYOU	1,728	66.0	38.2	29.0	47.4
37	INYO	696	27.3	39.3	24.5	54.0
38	LAKE	2,398	97.3	40.6	32.5	48.7
39	DEL NORTE	1,097	45.7	41.6	29.6	53.7
40	RIVERSIDE	88,837	3,718.7	41.9	40.5	43.2
41	SUTTER	3,620	153.3	42.4	35.7	49.1
42	COLUSA	922	39.3	42.7	29.3	56.0
43	TEHAMA	2,476	107.0	43.2	35.0	51.4
44	SANTA BARBARA	15,857	692.7	43.7	40.4	46.9
45	STANISLAUS	22,641	1,001.3	44.2	41.5	47.0
46	GLENN	1,272	56.7	44.5	32.9	56.1
47	ALPINE	44	2.0	45.5 *	0.0	108.5
48	SAN BERNARDINO	90,523	4,173.0	46.1	44.7	47.5
49	SAN JOAQUIN	28,330	1,374.7	48.5	46.0	51.1
50	YUBA	3,171	162.3	51.2	43.3	59.1
51	MERCED	11,169	616.3	55.2	50.8	59.5
52	IMPERIAL	8,129	449.0	55.2	50.1	60.3
53	FRESNO	39,517	2,204.0	55.8	53.4	58.1
54	MONTEREY	15,347	875.7	57.1	53.3	60.8
55	TULARE	18,994	1,157.3	60.9	57.4	64.4
56	KERN	33,884	2,106.3	62.2	59.5	64.8
57	KINGS	5,601	355.0	63.4	56.8	70.0
58	MADERA	5,773	366.3	63.5	57.0	70.0

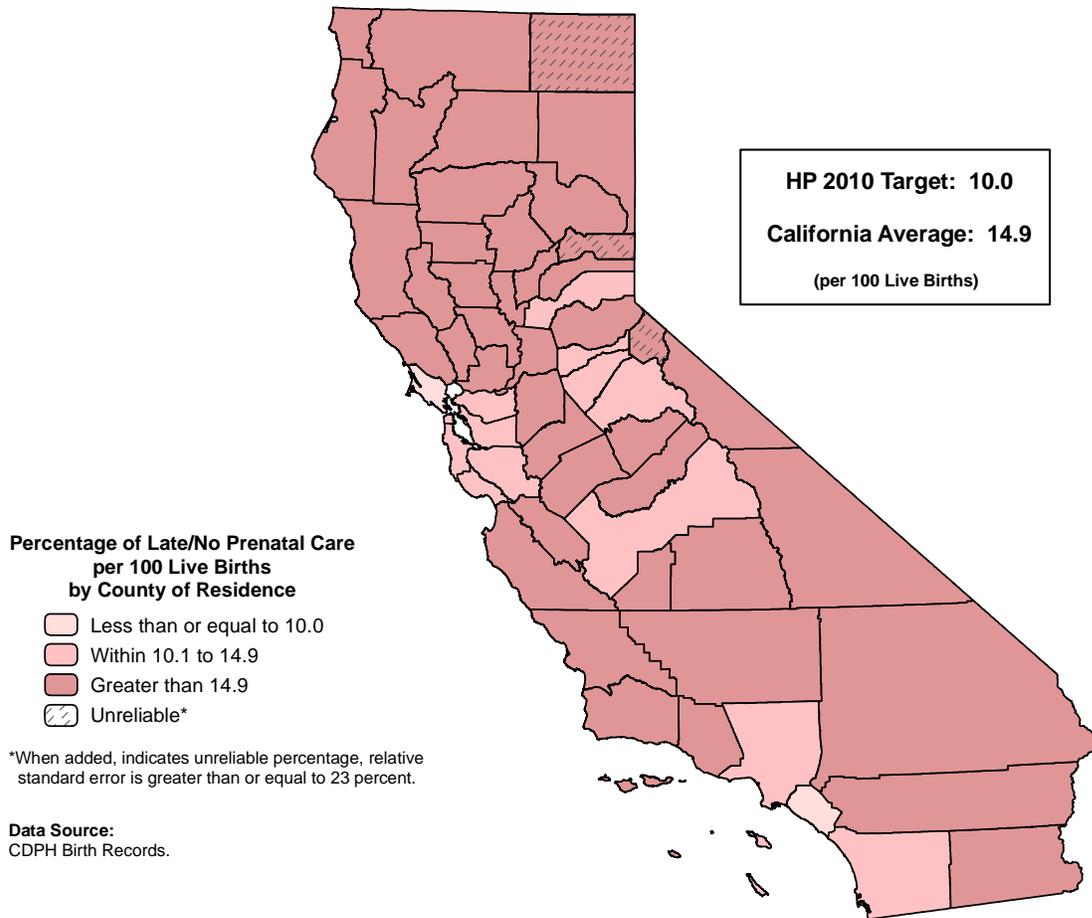
* Percentage unreliable, relative standard error is greater than or equal to 23 percent.

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: 2005-2007 Birth Statistical Master Files.

California Department of Finance: 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

PRENATAL CARE NOT BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY, 2005-2007



The percentage of births to mothers with late or no prenatal care for California was 14.9 per 100 live births. This percentage was based on a 2005 to 2007 three-year average number of births to mothers with late or no prenatal care equaling 82,256.0 and 551,961.3 live births.

Among counties with "reliable" percentages, the percent of births to mothers with late or no prenatal care ranged from 40.6 in Sutter County to 6.1 in Marin County, a factor of 6.7 to 1.

Two counties with reliable percentages met the Healthy People 2010 National Objective: 16-6a, reducing the percentage of mothers with late or no prenatal care to no more than ten 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, 2005-2007**

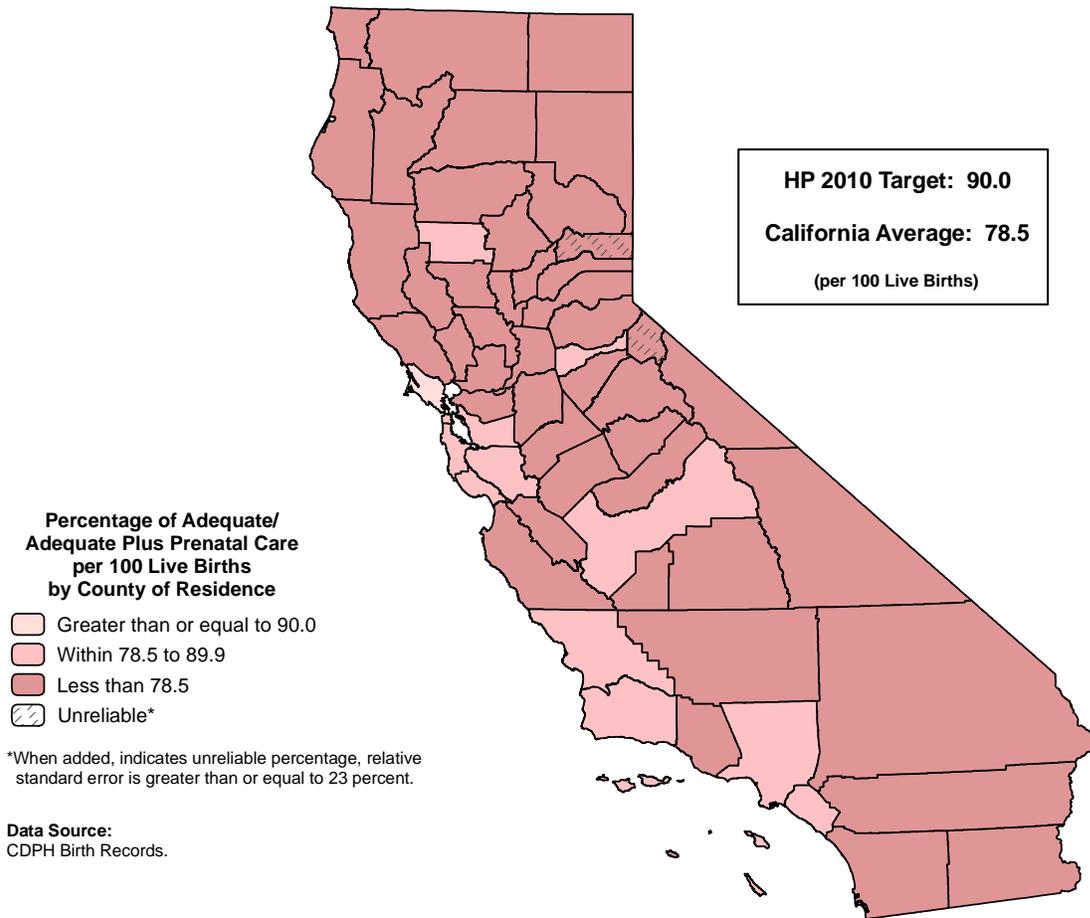
RANK ORDER	COUNTY OF RESIDENCE	2005-2007 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	LATE/NO PRENATAL CARE		LOWER	UPPER
			NUMBER	PERCENT		
1	MARIN	2,660.0	163.3	6.1	5.2	7.1
2	ORANGE	43,952.0	4,198.7	9.6	9.3	9.8
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-6a)				10.0		
3	AMADOR	283.0	29.7	10.5	6.7	14.3
4	LOS ANGELES	150,061.7	15,782.3	10.5	10.4	10.7
5	ALAMEDA	21,049.7	2,388.3	11.3	10.9	11.8
6	SAN MATEO	9,742.3	1,135.7	11.7	11.0	12.3
7	SAN FRANCISCO	8,670.3	1,128.3	13.0	12.3	13.8
8	TUOLUMNE	470.3	61.7	13.1	9.8	16.4
9	CONTRA COSTA	13,292.3	1,763.0	13.3	12.6	13.9
10	FRESNO	16,469.0	2,240.3	13.6	13.0	14.2
11	SANTA CRUZ	3,469.7	473.7	13.7	12.4	14.9
12	PLACER	3,892.0	531.3	13.7	12.5	14.8
13	CALAVERAS	384.7	53.3	13.9	10.1	17.6
14	SAN DIEGO	46,181.3	6,817.7	14.8	14.4	15.1
15	SANTA CLARA	26,455.7	3,951.7	14.9	14.5	15.4
CALIFORNIA		551,961.3	82,256.0	14.9	14.8	15.0
16	RIVERSIDE	32,346.0	4,854.7	15.0	14.6	15.4
17	EL DORADO	1,936.3	292.3	15.1	13.4	16.8
18	NAPA	1,683.7	267.3	15.9	14.0	17.8
19	STANISLAUS	8,479.0	1,399.0	16.5	15.6	17.4
20	SONOMA	5,719.3	948.0	16.6	15.5	17.6
21	SAN LUIS OBISPO	2,737.0	462.7	16.9	15.4	18.4
22	SAN BERNARDINO	34,035.0	5,754.0	16.9	16.5	17.3
23	SAN BENITO	871.0	154.3	17.7	14.9	20.5
24	VENTURA	12,256.7	2,231.3	18.2	17.4	19.0
25	SHASTA	2,137.0	390.7	18.3	16.5	20.1
26	SISKIYOU	489.0	92.3	18.9	15.0	22.7
27	HUMBOLDT	1,587.3	303.0	19.1	16.9	21.2
28	SANTA BARBARA	6,120.0	1,211.3	19.8	18.7	20.9
29	SACRAMENTO	21,487.0	4,280.7	19.9	19.3	20.5
30	MADERA	2,503.7	516.0	20.6	18.8	22.4
31	LASSEN	266.0	55.0	20.7	15.2	26.1
32	NEVADA	819.0	169.7	20.7	17.6	23.8
33	MONO	167.0	34.7	20.8	13.8	27.7
34	MODOC	76.7	16.0	20.9 *	10.6	31.1
35	TULARE	8,280.7	1,733.7	20.9	20.0	21.9
36	MONTEREY	7,369.7	1,589.0	21.6	20.5	22.6
37	KERN	13,713.3	3,016.3	22.0	21.2	22.8
38	PLUMAS	175.3	39.3	22.4	15.4	29.4
39	MARIPOSA	135.0	30.7	22.7	14.7	30.8
40	TEHAMA	804.0	184.7	23.0	19.7	26.3
41	SIERRA	24.3	5.7	23.3 *	4.1	42.5
42	YOLO	2,531.0	592.7	23.4	21.5	25.3
43	TRINITY	118.0	28.7	24.3	15.4	33.2
44	COLUSA	384.0	97.0	25.3	20.2	30.3
45	LAKE	716.3	181.7	25.4	21.7	29.0
46	BUTTE	2,514.3	654.0	26.0	24.0	28.0
47	SOLANO	5,777.3	1,543.7	26.7	25.4	28.1
48	KINGS	2,644.0	708.3	26.8	24.8	28.8
49	IMPERIAL	3,100.3	862.7	27.8	26.0	29.7
50	GLENN	436.0	124.7	28.6	23.6	33.6
51	SAN JOAQUIN	11,510.3	3,405.3	29.6	28.6	30.6
52	MENDOCINO	1,113.0	357.3	32.1	28.8	35.4
53	INYO	222.3	73.7	33.1	25.6	40.7
54	DEL NORTE	346.7	118.3	34.1	28.0	40.3
55	ALPINE	13.7	4.7	34.1 *	3.2	65.1
56	MERCED	4,452.3	1,609.7	36.2	34.4	37.9
57	YUBA	1,312.3	526.0	40.1	36.7	43.5
58	SUTTER	1,516.3	616.3	40.6	37.4	43.9

* 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: 2005-2007 Birth Statistical Master Files.

**“ADEQUATE/ADEQUATE PLUS” PRENATAL CARE
(ADEQUACY OF PRENATAL CARE UTILIZATION INDEX), 2005-2007**



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 2005 to 2007 three-year average number of births to mothers with "adequate/adequate plus" prenatal care equaling 429,678.0 and 547,200.0 live births.

Among counties with "reliable" percentages, the percent of births to mothers with "adequate/adequate plus" prenatal care ranged from 90.4 in Marin County to 46.7 in Modoc County, a factor of 1.9 to 1.

One county with a reliable percentage met the Healthy People 2010 National Objective: 16-6b, 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, 2005-2007**

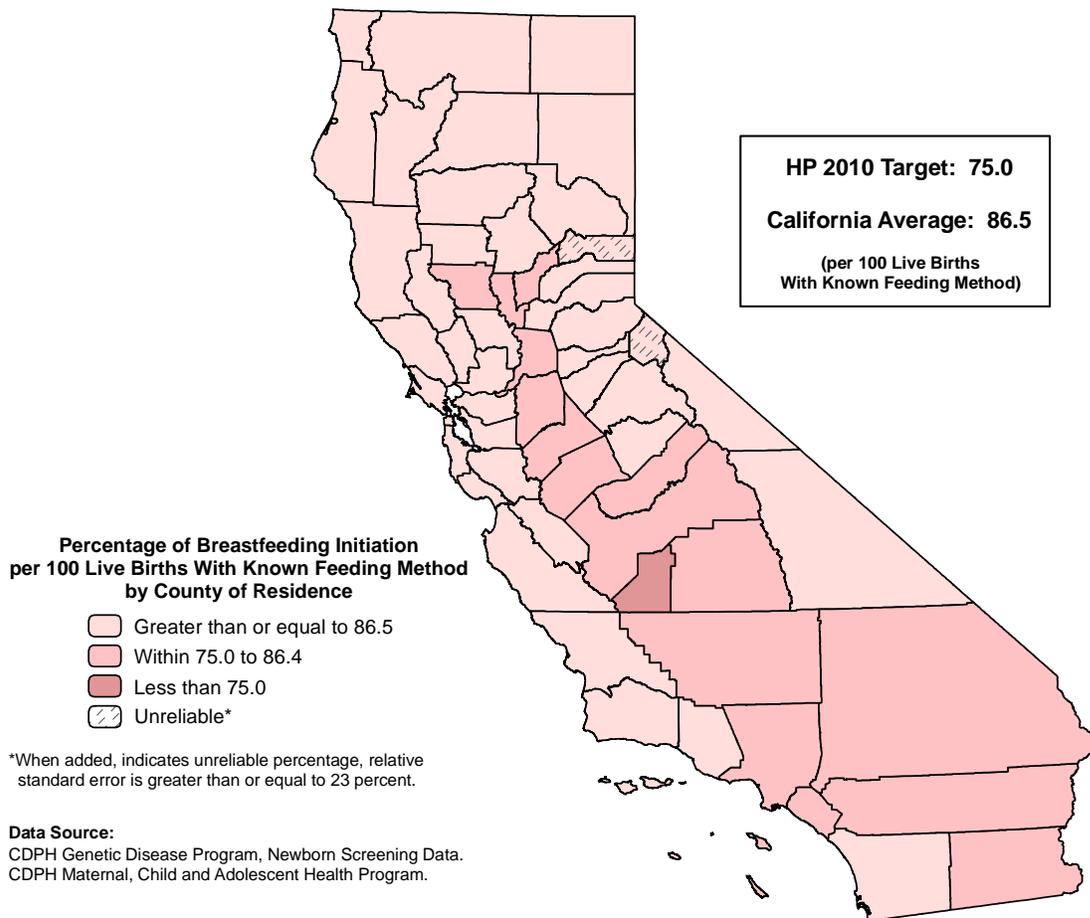
RANK ORDER	COUNTY OF RESIDENCE	2005-2007 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	ADEQUATE/ADEQUATE PLUS CARE		LOWER	UPPER
			NUMBER	PERCENT		
1	MARIN	2,656.3	2,400.7	90.4	86.8	94.0
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-6b)				90.0		
2	AMADOR	283.0	242.3	85.6	74.8	96.4
3	ORANGE	43,849.3	37,329.3	85.1	84.3	86.0
4	SAN MATEO	9,731.7	8,275.7	85.0	83.2	86.9
5	SANTA CRUZ	3,446.3	2,876.0	83.5	80.4	86.5
6	FRESNO	16,202.0	13,507.0	83.4	82.0	84.8
7	LOS ANGELES	148,714.0	123,966.0	83.4	82.9	83.8
8	SAN LUIS OBISPO	2,721.7	2,255.0	82.9	79.4	86.3
9	SAN FRANCISCO	8,657.0	7,098.7	82.0	80.1	83.9
10	SANTA BARBARA	6,060.0	4,800.3	79.2	77.0	81.5
11	ALAMEDA	21,036.3	16,575.0	78.8	77.6	80.0
12	GLENN	430.3	338.7	78.7	70.3	87.1
13	SANTA CLARA	26,403.0	20,757.0	78.6	77.5	79.7
	CALIFORNIA	547,200.0	429,678.0	78.5	78.3	78.8
14	VENTURA	12,247.3	9,576.3	78.2	76.6	79.8
15	PLACER	3,887.0	3,038.3	78.2	75.4	80.9
16	COLUSA	383.7	298.7	77.8	69.0	86.7
17	TUOLUMNE	468.3	364.3	77.8	69.8	85.8
18	NAPA	1,676.0	1,302.7	77.7	73.5	81.9
19	RIVERSIDE	31,740.3	24,272.0	76.5	75.5	77.4
20	CALAVERAS	383.7	293.0	76.4	67.6	85.1
21	MONO	166.3	126.7	76.2	62.9	89.4
22	SAN BERNARDINO	33,861.0	25,752.0	76.1	75.1	77.0
23	CONTRA COSTA	13,222.0	10,040.3	75.9	74.5	77.4
24	TULARE	8,250.0	6,264.7	75.9	74.1	77.8
25	LASSEN	264.3	200.3	75.8	65.3	86.3
26	YOLO	2,528.0	1,900.7	75.2	71.8	78.6
27	DEL NORTE	345.7	256.3	74.2	65.1	83.2
28	SAN DIEGO	45,950.7	34,070.7	74.1	73.4	74.9
29	SACRAMENTO	21,424.0	15,844.3	74.0	72.8	75.1
30	MONTEREY	7,343.3	5,398.0	73.5	71.5	75.5
31	BUTTE	2,487.3	1,816.0	73.0	69.7	76.4
32	SOLANO	5,764.0	4,169.3	72.3	70.1	74.5
33	KINGS	2,634.0	1,901.0	72.2	68.9	75.4
34	MENDOCINO	1,107.3	796.0	71.9	66.9	76.9
35	NEVADA	816.7	586.3	71.8	66.0	77.6
36	STANISLAUS	8,254.3	5,916.3	71.7	69.8	73.5
37	SONOMA	5,706.3	4,088.0	71.6	69.4	73.8
38	KERN	12,765.0	9,098.3	71.3	69.8	72.7
39	SUTTER	1,515.0	1,076.7	71.1	66.8	75.3
40	HUMBOLDT	1,578.0	1,121.3	71.1	66.9	75.2
41	TEHAMA	801.3	564.0	70.4	64.6	76.2
42	SHASTA	2,134.3	1,484.0	69.5	66.0	73.1
43	MADERA	2,481.0	1,710.0	68.9	65.7	72.2
44	MARIPOSA	131.0	90.0	68.7	54.5	82.9
45	EL DORADO	1,923.0	1,320.7	68.7	65.0	72.4
46	SISKIYOU	487.0	334.0	68.6	61.2	75.9
47	SAN BENITO	866.7	594.0	68.5	63.0	74.1
48	YUBA	1,310.3	893.3	68.2	63.7	72.6
49	SAN JOAQUIN	11,359.3	7,606.0	67.0	65.5	68.5
50	LAKE	712.3	472.0	66.3	60.3	72.2
51	INYO	222.3	142.3	64.0	53.5	74.5
52	IMPERIAL	3,061.0	1,936.3	63.3	60.4	66.1
53	SIERRA	24.0	14.3	59.7 *	28.8	90.6
54	TRINITY	117.3	68.0	58.0	44.2	71.7
55	PLUMAS	174.3	94.7	54.3	43.4	65.2
56	MERCED	4,344.3	2,322.3	53.5	51.3	55.6
57	MODOC	76.3	35.7	46.7	31.4	62.1
58	ALPINE	13.3	6.0	45.0 *	9.0	81.0

* 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: 2005-2007 Birth Statistical Master Files.

BREASTFEEDING INITIATION DURING EARLY POSTPARTUM, 2005-2007



The percentage of breastfed infants for California was 86.5 per 100 births where the feeding method was known. This percentage was based on a 2005 to 2007 three-year average equaling 436,209.3 breastfed infants and 504,427.7 births with a known feeding method.

Among counties with "reliable" percentages, the percent of breastfed infants ranged from 97.6 in Marin County to 74.2 in Kings County, a factor of 1.3 to 1.

Fifty-seven counties with fifty-five demonstrating reliable percentages and California as a whole met the Healthy People 2010 National Objective: 16-19a, 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, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	2005-2007 BIRTHS (AVERAGE) WITH KNOWN FEEDING METHOD			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	BREASTFED		LOWER	UPPER
			NUMBER	PERCENT		
1	SIERRA	15.7	15.7	100.0 *	50.5	100.0
2	MARIN	2,582.0	2,520.0	97.6	93.8	100.0
3	SANTA CRUZ	3,430.0	3,301.0	96.2	93.0	99.5
4	NEVADA	718.0	687.7	95.8	88.6	100.0
5	SAN MATEO	9,358.0	8,938.7	95.5	93.5	97.5
6	SONOMA	5,154.3	4,914.3	95.3	92.7	98.0
7	SAN LUIS OBISPO	2,529.3	2,389.7	94.5	90.7	98.3
8	PLUMAS	134.7	127.0	94.3	77.9	100.0
9	MONTEREY	6,314.7	5,951.3	94.2	91.9	96.6
10	NAPA	1,505.7	1,414.3	93.9	89.0	98.8
11	SAN FRANCISCO	8,011.3	7,519.0	93.9	91.7	96.0
12	ALAMEDA	19,232.7	18,048.3	93.8	92.5	95.2
13	INYO	209.0	195.7	93.6	80.5	100.0
14	EL DORADO	1,702.0	1,591.3	93.5	88.9	98.1
15	TRINITY	98.7	92.0	93.2	74.2	100.0
16	SANTA CLARA	23,612.7	22,000.0	93.2	91.9	94.4
17	MONO	144.7	134.7	93.1	77.4	100.0
18	SANTA BARBARA	5,574.3	5,186.7	93.0	90.5	95.6
19	MENDOCINO	1,033.7	961.7	93.0	87.2	98.9
20	CONTRA COSTA	12,113.3	11,246.7	92.8	91.1	94.6
21	PLACER	3,134.0	2,906.0	92.7	89.4	96.1
22	SHASTA	1,982.7	1,827.0	92.1	87.9	96.4
23	SISKIYOU	338.7	311.7	92.0	81.8	100.0
24	MARIPOSA	125.0	115.0	92.0	75.2	100.0
25	SAN BENITO	806.7	738.7	91.6	85.0	98.2
26	HUMBOLDT	1,487.0	1,360.7	91.5	86.6	96.4
27	LASSEN	218.0	199.0	91.3	78.6	100.0
28	YOLO	2,390.3	2,180.7	91.2	87.4	95.1
29	TUOLUMNE	461.3	420.3	91.1	82.4	99.8
30	SAN DIEGO	39,103.3	35,286.7	90.2	89.3	91.2
31	DEL NORTE	303.3	273.7	90.2	79.5	100.0
32	MODOC	53.7	48.3	90.1	64.7	100.0
33	VENTURA	11,406.7	10,270.3	90.0	88.3	91.8
34	TEHAMA	718.0	643.7	89.6	82.7	96.6
35	CALAVERAS	347.7	310.7	89.4	79.4	99.3
36	ALPINE	9.0	8.0	88.9 *	27.3	100.0
37	GLENN	422.0	373.3	88.5	79.5	97.4
38	LAKE	640.3	564.3	88.1	80.9	95.4
39	AMADOR	258.0	226.7	87.9	76.4	99.3
40	SOLANO	5,081.3	4,451.0	87.6	85.0	90.2
41	BUTTE	2,305.7	2,007.7	87.1	83.3	90.9
	CALIFORNIA	504,427.7	436,209.3	86.5	86.2	86.7
42	MADERA	2,252.0	1,944.0	86.3	82.5	90.2
43	IMPERIAL	2,853.0	2,436.3	85.4	82.0	88.8
44	ORANGE	41,786.0	35,624.0	85.3	84.4	86.1
45	SACRAMENTO	19,749.3	16,822.0	85.2	83.9	86.5
46	MERCED	4,252.3	3,600.0	84.7	81.9	87.4
47	RIVERSIDE	29,445.7	24,837.7	84.4	83.3	85.4
48	FRESNO	14,633.0	12,290.3	84.0	82.5	85.5
49	SAN JOAQUIN	10,194.7	8,533.0	83.7	81.9	85.5
50	LOS ANGELES	140,067.0	116,372.7	83.1	82.6	83.6
51	STANISLAUS	7,944.7	6,556.0	82.5	80.5	84.5
52	KERN	13,255.7	10,826.7	81.7	80.1	83.2
53	SAN BERNARDINO	30,344.3	24,629.7	81.2	80.2	82.2
54	SUTTER	1,411.7	1,143.7	81.0	76.3	85.7
55	COLUSA	353.7	285.7	80.8	71.4	90.1
56	YUBA	1,185.7	952.3	80.3	75.2	85.4
57	TULARE	7,576.0	6,071.3	80.1	78.1	82.2
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-19a)			75.0		
58	KINGS	2,055.7	1,525.0	74.2	70.5	77.9

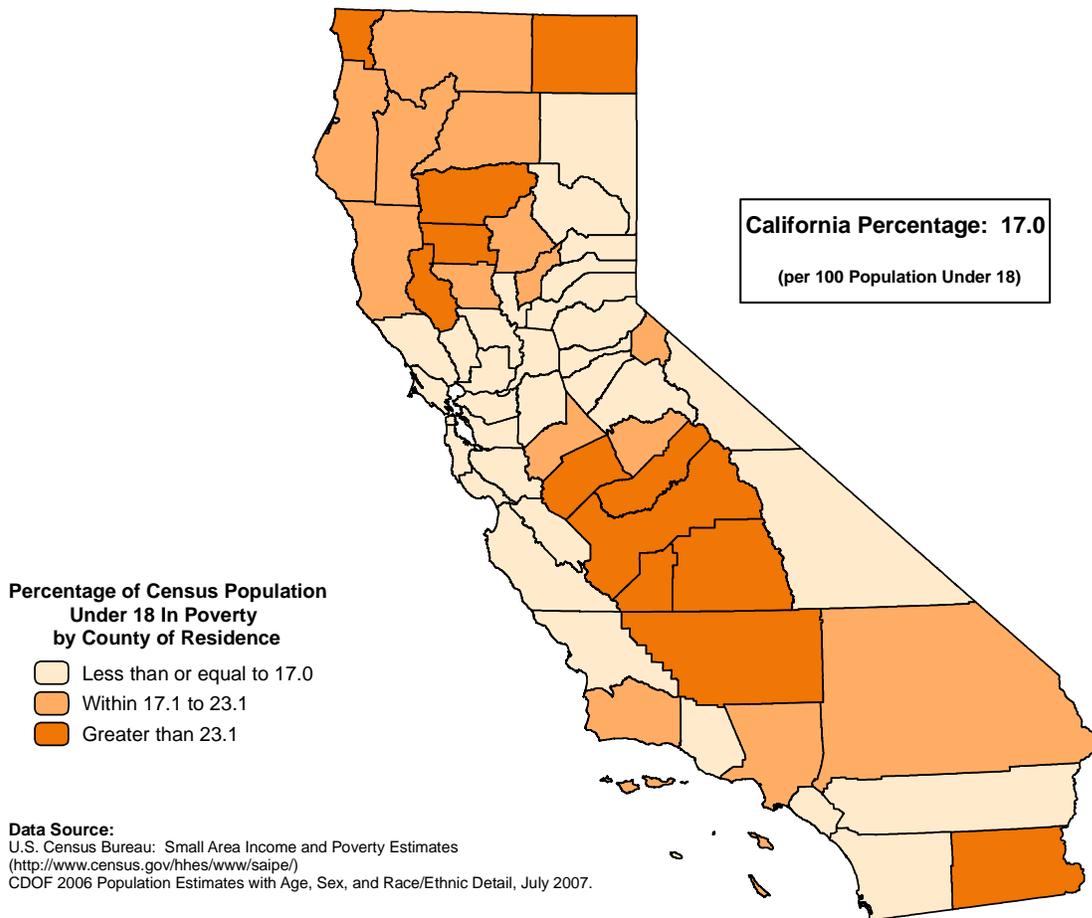
* Percentage unreliable, relative standard error is greater than or equal to 23 percent.

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 Screening Program, Newborn Screening Data.

Prepared by: California Department of Public Health, Maternal, Child and Adolescent Health Program.

PERSONS UNDER 18 IN POVERTY, 2006



The percentage of persons under age 18 in poverty in California was 17.0 per 100 population under age 18. This percentage was based on the 2000 Census projected to year 2006 Population.

All counties demonstrated "reliable" percentages of persons less than 18 years of age in poverty. The percents ranged from 28.5 in Tulare County to 5.7 in Placer County, a factor of 5.0 to 1.

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

**TABLE 29
PERSONS UNDER 18 IN POVERTY
RANKED BY PERCENTAGE OF CENSUS POPULATION UNDER 18 BELOW POVERTY
CALIFORNIA COUNTIES, 2006**

RANK ORDER	COUNTY OF RESIDENCE	UNDER 18			95% CONFIDENCE LIMITS	
		2006 POPULATION	IN POVERTY NUMBER	PERCENT	LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE		
1	PLACER	82,558	4,737	5.7	5.6	5.9
2	MARIN	53,540	4,037	7.5	7.3	7.8
3	EL DORADO	40,781	3,450	8.5	8.2	8.7
4	SAN MATEO	164,122	14,260	8.7	8.5	8.8
5	NAPA	33,466	3,200	9.6	9.2	9.9
6	CONTRA COSTA	256,625	25,112	9.8	9.7	9.9
7	SANTA CLARA	452,148	45,304	10.0	9.9	10.1
8	NEVADA	19,616	2,018	10.3	9.8	10.7
9	SONOMA	116,103	12,148	10.5	10.3	10.6
10	SAN LUIS OBISPO	53,966	5,847	10.8	10.6	11.1
11	MONO	2,941	342	11.6	10.4	12.9
12	AMADOR	6,703	783	11.7	10.9	12.5
13	SAN BENITO	17,167	2,030	11.8	11.3	12.3
14	VENTURA	216,251	26,689	12.3	12.2	12.5
15	ORANGE	798,551	101,881	12.8	12.7	12.8
16	SOLANO	109,930	14,199	12.9	12.7	13.1
17	ALAMEDA	363,631	48,871	13.4	13.3	13.6
18	SAN DIEGO	803,883	109,042	13.6	13.5	13.6
19	SANTA CRUZ	58,147	8,099	13.9	13.6	14.2
20	SAN FRANCISCO	114,087	16,183	14.2	14.0	14.4
21	YOLO	46,718	6,796	14.5	14.2	14.9
22	RIVERSIDE	583,697	85,267	14.6	14.5	14.7
23	INYO	4,048	603	14.9	13.7	16.1
24	PLUMAS	4,060	626	15.4	14.2	16.6
25	LASSEN	7,082	1,096	15.5	14.6	16.4
26	MONTEREY	120,181	18,638	15.5	15.3	15.7
27	CALAVERAS	8,401	1,303	15.5	14.7	16.4
28	SIERRA	634	100	15.8	12.7	18.9
29	SUTTER	27,836	4,431	15.9	15.4	16.4
30	TUOLUMNE	10,091	1,609	15.9	15.2	16.7
31	SACRAMENTO	379,484	60,744	16.0	15.9	16.1
32	SAN JOAQUIN	218,681	36,777	16.8	16.6	17.0
	CALIFORNIA	9,988,199	1,693,631	17.0	16.9	17.0
33	STANISLAUS	165,807	28,458	17.2	17.0	17.4
34	SANTA BARBARA	104,666	18,225	17.4	17.2	17.7
35	COLUSA	6,283	1,143	18.2	17.1	19.2
36	MARIPOSA	3,247	593	18.3	16.8	19.7
37	BUTTE	47,973	9,051	18.9	18.5	19.3
38	SAN BERNARDINO	604,171	114,066	18.9	18.8	19.0
39	LOS ANGELES	2,849,456	581,573	20.4	20.4	20.5
40	HUMBOLDT	28,144	5,769	20.5	20.0	21.0
41	SHASTA	42,807	9,057	21.2	20.7	21.6
42	ALPINE	238	52	21.8	15.9	27.8
43	TRINITY	2,887	647	22.4	20.7	24.1
44	YUBA	21,834	4,939	22.6	22.0	23.3
45	SISKIYOU	9,626	2,210	23.0	22.0	23.9
46	MENDOCINO	20,668	4,784	23.1	22.5	23.8
47	TEHAMA	15,051	3,495	23.2	22.5	24.0
48	GLENN	8,032	1,892	23.6	22.5	24.6
49	KINGS	43,092	10,316	23.9	23.5	24.4
50	MODOC	2,166	536	24.7	22.7	26.8
51	IMPERIAL	47,123	12,435	26.4	25.9	26.9
52	KERN	243,925	64,630	26.5	26.3	26.7
53	LAKE	13,157	3,522	26.8	25.9	27.7
54	MERCED	78,422	21,057	26.9	26.5	27.2
55	DEL NORTE	6,313	1,714	27.2	25.9	28.4
56	MADERA	41,777	11,744	28.1	27.6	28.6
57	FRESNO	271,613	77,193	28.4	28.2	28.6
58	TULARE	134,592	38,306	28.5	28.2	28.7

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 in poverty may not add due to rounding.
Percentage 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/did/www/saipe/>
California Department of Finance: 2006 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, 2002-2007

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ALL CANCERS (THREE-YEAR AVERAGES) ^{1,2}		COLORECTAL (COLON) CANCER (THREE-YEAR AVERAGES) ^{1,2}		LUNG CANCER (THREE-YEAR AVERAGES) ^{1,2}	
	2002-2004	2005-2007	2002-2004	2005-2007	2002-2004	2005-2007
CALIFORNIA	168.6	159.3	16.5	15.1	42.9	39.2
ALAMEDA	169.2	154.3	17.7	15.7	42.8	37.5
ALPINE	140.2 *	16.2 *	-	-	73.8 *	-
AMADOR	188.3	164.6	18.1 *	14.4 *	51.5	46.6
BUTTE	189.5	195.8	17.3	15.7	58.5	56.3
CALAVERAS	145.8	150.7	14.3 *	12.7 *	46.1	40.6
COLUSA	151.5	139.7	18.5 *	11.8 *	41.6 *	44.6 *
CONTRA COSTA	173.6	164.9	16.7	16.9	45.3	39.5
DEL NORTE	224.2	206.5	20.0 *	15.4 *	71.7	66.8
EL DORADO	174.1	157.9	15.8	13.8	44.6	42.1
FRESNO	171.0	164.9	15.5	14.7	44.6	41.9
GLENN	172.5	158.9	15.3 *	19.9 *	44.6 *	45.6 *
HUMBOLDT	213.7	200.5	20.6	17.1	63.1	57.2
IMPERIAL	163.2	146.7	14.5 *	15.3	41.1	31.9
INYO	176.5	175.0	18.1 *	16.7 *	47.5 *	58.8 *
KERN	200.7	183.3	20.8	16.3	58.7	47.2
KINGS	182.6	183.5	20.0 *	19.6 *	51.0	49.0
LAKE	216.5	199.1	16.0 *	19.3 *	74.1	61.5
LASSEN	181.7	130.8	16.4 *	10.3 *	38.3 *	37.2 *
LOS ANGELES	157.6	149.2	16.4	14.9	36.5	33.4
MADERA	161.9	145.3	14.7 *	15.0	44.1	34.0
MARIN	159.3	147.2	13.7	10.2	40.1	32.6
MARIPOSA	156.3	176.8	19.6 *	14.9 *	44.6 *	60.0 *
MENDOCINO	195.3	163.4	19.5	17.3 *	48.1	40.9
MERCED	178.6	164.8	18.2	13.2	43.3	48.2
MODOC	147.1	148.8	11.6 *	20.9 *	51.3 *	38.3 *
MONO	96.9 *	81.0 *	8.2 *	14.6 *	25.2 *	20.3 *
MONTEREY	152.5	137.0	12.9	11.8	39.2	34.7
NAPA	197.1	180.2	20.0	14.5	51.3	50.6
NEVADA	178.7	159.5	19.4	15.3	46.2	37.6
ORANGE	156.9	151.7	15.3	14.2	38.3	36.5
PLACER	179.4	163.0	14.4	14.3	48.6	42.3
PLUMAS	212.1	164.7	22.0 *	14.1 *	58.9 *	46.0 *
RIVERSIDE	184.8	175.1	18.7	16.0	50.7	44.9
SACRAMENTO	186.4	172.2	15.7	15.5	51.5	47.5
SAN BENITO	135.5	134.0	11.6 *	7.2 *	27.4 *	27.8 *
SAN BERNARDINO	187.7	175.8	20.3	16.7	49.9	43.8
SAN DIEGO	173.0	166.2	16.0	15.3	43.8	39.8
SAN FRANCISCO	166.7	155.3	16.4	15.6	39.7	38.6
SAN JOAQUIN	190.4	180.2	15.6	16.5	56.8	49.1
SAN LUIS OBISPO	163.3	151.4	15.8	10.7	44.6	43.8
SAN MATEO	163.8	154.0	16.2	15.7	39.3	37.2
SANTA BARBARA	155.2	141.3	12.9	11.9	37.8	33.5
SANTA CLARA	141.1	138.5	12.5	12.7	33.4	31.8
SANTA CRUZ	170.6	166.7	16.4	14.0	46.4	37.9
SHASTA	209.3	200.6	19.0	15.6	67.7	62.6
SIERRA	213.0 *	123.3 *	12.6 *	13.9 *	53.5 *	30.3 *
SISKIYOU	186.3	186.3	15.1 *	18.9 *	53.7	56.4
SOLANO	182.2	183.7	17.8	18.3	47.3	50.3
SONOMA	181.4	184.0	19.5	18.7	48.3	48.7
STANISLAUS	190.0	177.0	19.3	18.5	55.4	49.1
SUTTER	184.0	155.4	13.1 *	11.3 *	50.6	45.3
TEHAMA	196.6	205.0	19.7 *	16.5 *	62.7	66.2
TRINITY	194.7	164.7	19.5 *	9.6 *	65.5 *	56.0 *
TULARE	180.7	161.0	16.4	14.0	46.6	44.9
TUOLUMNE	180.7	157.1	15.5 *	12.6 *	49.2	34.9
VENTURA	163.3	149.6	16.2	14.4	40.2	35.8
YOLO	179.0	171.2	16.1	17.1	48.6	50.3
YUBA	235.2	203.9	21.8 *	17.1 *	77.9	71.5

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2002-2007

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	FEMALE BREAST CANCER (THREE-YEAR AVERAGES) ^{1,2}		PROSTATE CANCER (THREE-YEAR AVERAGES) ^{1,2}		DIABETES (THREE-YEAR AVERAGES) ^{1,2,3}	
	2002-2004	2005-2007	2002-2004	2005-2007	2002-2004	2005-2007
CALIFORNIA	23.2	21.7	24.5	22.5	22.0	21.9
ALAMEDA	23.5	22.3	27.2	21.6	21.7	21.4
ALPINE	74.7 *	-	-	-	30.6 *	16.7 *
AMADOR	26.7 *	19.3 *	31.9 *	15.6 *	12.1 *	11.3 *
BUTTE	17.6	23.1	24.3	26.0	20.8	16.5
CALAVERAS	18.4 *	19.2 *	27.8 *	22.6 *	10.3 *	8.8 *
COLUSA	10.2 *	6.1 *	28.6 *	14.5 *	23.2 *	14.8 *
CONTRA COSTA	26.4	23.5	25.4	22.7	20.1	19.2
DEL NORTE	10.4 *	21.9 *	25.9 *	18.5 *	19.5 *	21.1 *
EL DORADO	24.9	17.9	29.8	20.7 *	11.7	13.4
FRESNO	22.4	21.2	24.5	24.8	30.1	33.2
GLENN	19.9 *	8.2 *	13.7 *	26.2 *	31.0 *	30.7 *
HUMBOLDT	21.3 *	27.8	29.6 *	23.1 *	31.8	20.9
IMPERIAL	22.0 *	18.7 *	29.1 *	16.2 *	30.6	32.1
INYO	23.3 *	11.2 *	28.3 *	18.4 *	16.4 *	20.9 *
KERN	26.5	24.4	28.4	30.1	33.5	34.2
KINGS	19.5 *	25.1 *	18.8 *	25.8 *	61.4	35.4
LAKE	27.8 *	16.8 *	25.8 *	26.0 *	13.4 *	17.0 *
LASSEN	19.6 *	27.9 *	34.7 *	22.6 *	17.6 *	25.6 *
LOS ANGELES	22.5	21.5	22.9	21.3	25.5	24.2
MADERA	21.1 *	20.6 *	24.7 *	26.7 *	28.0	24.2
MARIN	26.3	23.1	23.2	18.8	10.4	9.6
MARIPOSA	21.5 *	27.8 *	21.5 *	24.1 *	13.5 *	21.7 *
MENDOCINO	26.8 *	21.8 *	20.1 *	21.0 *	17.2 *	19.2
MERCED	28.8	24.2	23.7 *	22.2 *	38.3	28.3
MODOC	21.0 *	34.6 *	23.4 *	24.3 *	18.6 *	17.1 *
MONO	35.6 *	13.6 *	-	11.3 *	4.6 *	5.4 *
MONTEREY	20.8	17.5	21.6	19.6	20.6	17.4
NAPA	24.4	21.8	27.5	26.4	21.9	17.3
NEVADA	19.7 *	24.2 *	27.6 *	22.1 *	13.1 *	13.5 *
ORANGE	21.5	19.2	23.7	21.2	17.4	16.9
PLACER	22.5	22.8	29.5	24.1	14.1	16.2
PLUMAS	27.5 *	14.5 *	26.9 *	20.3 *	16.9 *	15.4 *
RIVERSIDE	25.2	24.2	27.2	25.9	17.5	22.7
SACRAMENTO	24.8	22.8	25.6	21.6	20.8	20.3
SAN BENITO	21.9 *	16.7 *	8.6 *	6.5 *	13.6 *	15.8 *
SAN BERNARDINO	24.9	25.3	29.0	30.0	30.5	30.7
SAN DIEGO	24.8	22.0	26.9	25.2	18.8	20.6
SAN FRANCISCO	22.9	18.5	19.4	15.6	15.4	12.3
SAN JOAQUIN	25.5	24.8	26.8	24.7	31.3	36.0
SAN LUIS OBISPO	20.2	21.1	22.3	19.7	14.4	13.0
SAN MATEO	23.0	21.7	22.2	21.2	13.0	13.3
SANTA BARBARA	21.2	20.5	22.7	21.7	17.9	16.1
SANTA CLARA	19.1	18.5	20.3	17.7	17.2	21.1
SANTA CRUZ	26.2	26.8	27.1	23.1 *	14.3	17.0
SHASTA	25.1	22.9	28.0	20.1 *	17.6	13.6
SIERRA	46.7 *	8.2 *	11.0 *	11.2 *	28.0 *	13.3 *
SISKIYOU	25.0 *	18.8 *	24.6 *	25.5 *	21.9 *	22.6 *
SOLANO	23.3	22.2	24.0	23.2	24.5	31.4
SONOMA	21.0	22.8	28.5	26.0	18.7	18.4
STANISLAUS	25.9	23.4	22.8	25.0	28.7	24.9
SUTTER	23.6 *	22.0 *	34.4 *	27.4 *	25.4	19.3 *
TEHAMA	23.7 *	26.9 *	23.1 *	29.1 *	23.0 *	19.3 *
TRINITY	19.7 *	8.4 *	10.2 *	26.8 *	22.5 *	15.8 *
TULARE	25.6	18.9	24.1	22.1	33.1	34.1
TUOLUMNE	25.2 *	20.6 *	12.3 *	23.0 *	14.0 *	14.9 *
VENTURA	23.5	18.7	22.3	22.0	21.9	19.7
YOLO	19.7 *	20.0 *	26.9 *	28.6 *	24.6	20.9
YUBA	22.4 *	25.6 *	38.5 *	20.0 *	23.8 *	17.4 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2002-2007

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ALZHEIMER'S DISEASE (THREE-YEAR AVERAGES) ^{1,2}		CORONARY HEART DISEASE (THREE-YEAR AVERAGES) ^{1,2}		CEREBROVASCULAR DISEASE (STROKE) (THREE-YEAR AVERAGES) ^{1,2}	
	2002-2004	2005-2007	2002-2004	2005-2007	2002-2004	2005-2007
CALIFORNIA	20.4	24.0	173.2	145.2	55.4	43.5
ALAMEDA	15.6	17.8	148.8	125.6	56.7	43.9
ALPINE	-	-	128.8 *	46.2 *	166.1 *	-
AMADOR	18.2 *	17.8 *	150.5	140.0	54.9	44.9
BUTTE	24.7	28.0	166.4	143.5	63.1	52.3
CALAVERAS	16.5 *	10.1 *	143.3	116.5	52.1	30.0
COLUSA	37.1 *	33.0 *	142.8	136.1	46.5 *	30.7 *
CONTRA COSTA	21.7	28.8	138.6	108.5	59.4	48.1
DEL NORTE	18.2 *	12.7 *	143.0	129.2	42.1 *	52.8 *
EL DORADO	21.3	22.4	140.1	114.2	44.6	34.1
FRESNO	19.0	27.9	183.9	159.0	69.9	56.1
GLENN	19.9 *	24.2 *	140.0	134.3	38.7 *	40.3 *
HUMBOLDT	40.1	39.5	158.7	145.3	59.2	62.9
IMPERIAL	9.7 *	8.8 *	153.8	125.8	58.4	37.5
INYO	5.5 *	2.1 *	208.5	149.2	47.8 *	21.0 *
KERN	26.4	37.4	278.8	232.4	65.0	51.3
KINGS	15.2 *	18.1 *	177.3	156.9	54.5	50.5
LAKE	14.6 *	16.1 *	172.3	153.8	60.9	54.2
LASSEN	12.7 *	14.9 *	172.5	103.1	41.0 *	33.5 *
LOS ANGELES	14.6	18.1	190.2	160.9	49.9	39.5
MADERA	34.3	29.6	190.2	153.7	50.1	47.5
MARIN	13.4	26.3	108.8	88.8	45.7	40.9
MARIPOSA	5.8 *	12.8 *	153.4	120.9	45.7 *	50.4 *
MENDOCINO	10.8 *	14.9 *	148.5	123.0	60.6	43.9
MERCED	17.9	17.4	199.8	170.6	72.7	58.4
MODOC	16.8 *	8.9 *	180.3	93.9 *	59.0 *	38.0 *
MONO	5.5 *	7.8 *	108.4 *	47.6 *	28.1 *	20.8 *
MONTEREY	13.7	13.6	128.2	111.7	51.6	39.5
NAPA	37.9	37.0	140.8	105.5	67.8	49.1
NEVADA	17.8	14.5	140.7	117.9	72.1	53.0
ORANGE	20.7	26.4	169.0	137.1	55.3	41.7
PLACER	22.2	29.9	140.2	121.0	62.1	52.3
PLUMAS	13.6 *	13.2 *	114.2	72.9	49.5 *	34.1 *
RIVERSIDE	24.7	30.6	218.9	174.3	60.0	47.9
SACRAMENTO	22.1	25.0	190.3	155.5	69.1	56.0
SAN BENITO	8.2 *	13.0 *	129.4	96.2	48.7 *	47.3
SAN BERNARDINO	22.8	28.1	233.7	197.2	58.5	47.1
SAN DIEGO	37.4	36.1	154.7	125.4	54.6	40.6
SAN FRANCISCO	13.1	15.7	145.5	119.4	57.4	40.2
SAN JOAQUIN	23.4	25.5	220.6	194.1	69.6	50.9
SAN LUIS OBISPO	25.3	15.2	128.5	111.9	47.9	48.3
SAN MATEO	19.1	21.1	120.7	104.0	51.7	39.6
SANTA BARBARA	22.1	18.6	144.6	124.3	50.5	43.5
SANTA CLARA	17.2	28.5	120.1	110.4	45.4	34.1
SANTA CRUZ	15.7	19.4	142.7	113.2	49.6	38.1
SHASTA	21.2	24.5	168.2	161.6	60.5	48.4
SIERRA	11.5 *	9.5 *	89.8 *	87.8 *	26.9 *	23.2 *
SISKIYOU	16.5 *	16.9 *	138.6	115.3	51.4	47.6
SOLANO	34.4	37.8	151.1	121.5	67.0	49.3
SONOMA	25.1	31.3	142.5	122.9	65.1	55.8
STANISLAUS	22.6	24.5	241.0	197.1	57.0	47.7
SUTTER	11.9 *	23.7	196.4	171.1	61.5	38.4
TEHAMA	24.3 *	30.4	164.0	134.4	71.4	48.2
TRINITY	17.5 *	10.7 *	93.9 *	86.2 *	39.3 *	36.5 *
TULARE	8.9	11.0	188.8	165.0	61.0	51.2
TUOLUMNE	17.2 *	14.4 *	142.2	109.4	49.5	38.5
VENTURA	18.1	23.8	158.3	137.9	47.6	37.7
YOLO	27.4	27.7	138.3	117.1	64.3	52.9
YUBA	10.3 *	15.7 *	216.1	174.5	65.1	48.9

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2002-2007

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	INFLUENZA/PNEUMONIA (THREE-YEAR AVERAGES) ^{1,2}		CHRONIC LOWER RESPIRATORY DISEASE (THREE-YEAR AVERAGES) ^{1,2}		CHRONIC LIVER DISEASE AND CIRRHOSIS (THREE-YEAR AVERAGES) ^{1,2}	
	2002-2004	2005-2007	2002-2004	2005-2007	2002-2004	2005-2007
CALIFORNIA	25.1	21.0	41.1	38.4	11.1	10.6
ALAMEDA	21.7	17.1	33.6	31.0	9.2	9.1
ALPINE	-	-	28.7 *	37.0 *	17.4 *	-
AMADOR	21.3 *	23.0 *	31.2 *	39.9	13.1 *	11.0 *
BUTTE	23.8	19.5	56.8	56.2	17.6	12.4
CALAVERAS	24.6 *	14.4 *	46.9	38.0	8.6 *	12.3 *
COLUSA	32.7 *	11.4 *	56.5 *	57.4 *	11.1 *	6.4 *
CONTRA COSTA	24.5	18.8	38.5	36.9	8.7	8.6
DEL NORTE	33.6 *	15.4 *	64.0 *	71.5	13.2 *	12.3 *
EL DORADO	18.3	15.7	45.2	44.3	11.8	10.1
FRESNO	28.5	26.0	45.1	42.8	15.5	13.9
GLENN	26.7 *	15.3 *	74.9	53.1 *	14.5 *	10.9 *
HUMBOLDT	26.2	21.3	67.0	59.3	16.8	14.7
IMPERIAL	16.0 *	11.0 *	37.3	28.6	15.6	15.5
INYO	20.8 *	13.7 *	46.8 *	45.9 *	31.0 *	23.2 *
KERN	35.3	28.4	71.4	69.6	19.4	15.4
KINGS	12.5 *	17.1 *	63.5	51.8	16.1 *	12.9 *
LAKE	30.4	17.5 *	70.6	68.6	18.5 *	22.0 *
LASSEN	24.9 *	9.1 *	57.6 *	38.8 *	12.9 *	5.0 *
LOS ANGELES	28.8	25.3	34.1	32.0	11.5	11.1
MADERA	20.2	15.4	42.7	42.6	14.2 *	12.0 *
MARIN	19.7	14.3	27.5	29.7	8.4	6.3
MARIPOSA	11.1 *	15.4 *	42.9 *	44.3 *	12.6 *	6.8 *
MENDOCINO	20.2	15.6 *	58.8	46.6	10.3 *	17.7 *
MERCED	21.3	15.1	55.5	47.1	13.3	10.6
MODOC	11.9 *	26.5 *	68.2 *	65.7 *	4.4 *	7.8 *
MONO	15.4 *	8.1 *	21.3 *	-	6.2 *	6.1 *
MONTEREY	14.7	14.3	34.8	32.3	9.5	10.0
NAPA	28.0	23.0	42.0	41.5	15.5	9.8 *
NEVADA	20.9	17.1	48.1	45.3	11.0 *	7.1 *
ORANGE	24.7	21.1	35.4	33.3	8.9	8.9
PLACER	18.8	18.1	43.2	42.7	8.9	7.9
PLUMAS	30.6 *	14.6 *	45.5 *	50.8 *	10.3 *	11.1 *
RIVERSIDE	21.4	16.5	57.7	52.7	11.6	11.9
SACRAMENTO	28.6	25.3	49.4	44.6	10.9	11.0
SAN BENITO	25.0 *	22.8 *	41.0 *	33.4 *	9.8 *	10.3 *
SAN BERNARDINO	28.0	22.2	65.5	59.2	14.2	13.0
SAN DIEGO	20.3	12.8	39.5	38.1	10.0	9.0
SAN FRANCISCO	28.4	24.2	29.6	24.8	8.7	8.7
SAN JOAQUIN	22.0	20.6	52.8	49.9	13.3	14.1
SAN LUIS OBISPO	14.6	12.5	43.5	32.9	10.5	7.5
SAN MATEO	27.5	24.4	32.0	29.0	9.1	8.4
SANTA BARBARA	20.2	15.8	36.6	30.5	9.1	11.1
SANTA CLARA	21.9	19.7	29.7	27.2	7.7	8.2
SANTA CRUZ	18.9	17.3	37.5	40.6	10.9	11.1
SHASTA	22.5	24.1	67.5	68.7	16.0	16.9
SIERRA	16.2 *	6.7 *	34.0 *	14.4 *	28.1 *	12.1 *
SISKIYOU	26.6 *	19.5 *	51.3	60.0	13.4 *	20.4 *
SOLANO	26.2	27.3	50.2	45.2	13.0	8.9
SONOMA	20.3	18.5	42.2	38.0	10.5	12.0
STANISLAUS	33.3	25.8	51.4	51.3	13.9	11.1
SUTTER	32.0	27.5	64.1	60.5	9.8 *	9.2 *
TEHAMA	25.1 *	20.0 *	52.5	75.1	12.9 *	17.8 *
TRINITY	21.1 *	15.7 *	65.4 *	50.8 *	22.3 *	25.9 *
TULARE	23.6	22.8	49.6	46.9	15.1	15.1
TUOLUMNE	19.3 *	15.9 *	41.2	32.0	11.5 *	14.5 *
VENTURA	22.1	16.6	38.4	36.5	8.7	9.6
YOLO	42.3	36.4	57.2	50.8	9.8 *	13.3
YUBA	24.4 *	27.9 *	82.3	83.0	16.6 *	15.6 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2002-2007

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ACCIDENTS (UNINTENTIONAL INJURIES) (THREE-YEAR AVERAGES) ^{1,2}		MOTOR VEHICLE TRAFFIC (THREE-YEAR AVERAGES) ^{1,2}		SUICIDE (THREE-YEAR AVERAGES) ^{1,2}	
	2002-2004	2005-2007	2002-2004	2005-2007	2002-2004	2005-2007
CALIFORNIA	29.6	30.4	11.9	11.1	9.5	9.0
ALAMEDA	25.7	28.4	8.3	7.5	8.6	7.2
ALPINE	-	28.1 *	-	28.1 *	30.6 *	37.4 *
AMADOR	49.2 *	53.4	24.5 *	26.3 *	15.5 *	19.0 *
BUTTE	53.0	58.5	19.3	19.3	16.7	17.3
CALAVERAS	53.2	43.2	34.5 *	25.3 *	18.4 *	17.0 *
COLUSA	40.2 *	34.3 *	22.7 *	25.4 *	7.5 *	10.2 *
CONTRA COSTA	27.2	27.3	9.9	8.4	9.9	8.6
DEL NORTE	61.5 *	52.8 *	25.8 *	24.8 *	20.0 *	10.0 *
EL DORADO	32.4	47.7	13.9	15.1	12.0	16.6
FRESNO	45.5	41.4	22.0	18.1	8.9	9.8
GLENN	45.5 *	59.4 *	22.3 *	22.9 *	18.1 *	15.1 *
HUMBOLDT	73.0	69.7	22.2	15.8	19.2	20.6
IMPERIAL	36.7	41.7	20.0	18.9	6.5 *	7.1 *
INYO	62.7 *	48.0 *	26.4 *	11.1 *	24.8 *	9.5 *
KERN	45.3	50.1	20.2	20.0	11.2	10.8
KINGS	37.3	40.9	19.6	20.6	10.4 *	8.7 *
LAKE	64.4	75.5	25.8 *	27.6 *	17.6 *	27.1 *
LASSEN	49.3 *	48.2 *	22.8 *	15.3 *	15.5 *	21.8 *
LOS ANGELES	23.8	23.0	9.3	9.1	7.5	6.8
MADERA	48.4	45.4	25.2	22.7	7.5 *	13.3 *
MARIN	20.6	20.7	5.9 *	4.7 *	11.8	13.5
MARIPOSA	79.7 *	53.3 *	44.8 *	18.4 *	21.2 *	16.4 *
MENDOCINO	59.5	51.0	18.7 *	17.9 *	17.9 *	20.6 *
MERCED	47.7	44.2	23.5	21.1	9.1 *	7.0 *
MODOC	86.3 *	51.0 *	49.7 *	17.2 *	18.3 *	13.7 *
MONO	50.9 *	19.6 *	22.5 *	3.6 *	13.2 *	4.9 *
MONTEREY	33.6	31.1	14.3	12.5	9.7	8.3
NAPA	34.5	27.4	14.0 *	9.9 *	8.1 *	11.1 *
NEVADA	50.5	45.5	19.7 *	14.0 *	15.7 *	17.9 *
ORANGE	23.1	22.4	8.3	7.5	8.5	8.5
PLACER	34.1	34.2	12.6	10.7	13.3	9.6
PLUMAS	42.8 *	42.7 *	16.7 *	14.8 *	26.0 *	13.9 *
RIVERSIDE	36.4	36.8	16.8	15.9	10.0	10.3
SACRAMENTO	34.1	37.6	13.1	10.9	12.1	12.5
SAN BENITO	31.5 *	28.3 *	16.0 *	14.7 *	8.5 *	6.8 *
SAN BERNARDINO	30.1	30.4	16.6	15.9	10.8	9.4
SAN DIEGO	27.8	30.3	10.3	10.2	10.7	10.3
SAN FRANCISCO	25.9	33.0	6.2	5.3	10.7	10.5
SAN JOAQUIN	39.8	49.8	18.5	14.6	10.8	7.0
SAN LUIS OBISPO	32.8	40.6	12.7	15.5	11.4	13.2
SAN MATEO	22.0	20.2	7.7	5.4	7.7	8.3
SANTA BARBARA	29.0	31.9	9.8	11.5	9.2	8.5
SANTA CLARA	19.8	21.2	7.0	6.9	8.1	6.7
SANTA CRUZ	27.0	32.6	9.0	9.9	13.3	10.4
SHASTA	58.2	55.6	18.9	13.1	17.8	21.1
SIERRA	101.0 *	23.3 *	82.5 *	16.1 *	7.0 *	11.8 *
SISKIYOU	59.9	59.6	21.1 *	23.9 *	20.0 *	28.2 *
SOLANO	29.8	33.9	12.7	13.7	8.7	10.2
SONOMA	33.8	33.6	12.7	11.0	13.0	10.4
STANISLAUS	49.3	54.1	19.2	17.5	12.0	9.3
SUTTER	48.3	37.9	28.2	16.4 *	13.4 *	6.5 *
TEHAMA	56.9	49.9	27.3 *	18.6 *	13.7 *	18.3 *
TRINITY	69.1 *	95.8 *	35.5 *	54.3 *	17.3 *	54.6 *
TULARE	51.5	48.8	24.1	24.6	8.9	10.0
TUOLUMNE	68.7	59.8	32.7 *	20.8 *	21.8 *	22.3 *
VENTURA	29.6	29.7	10.0	10.0	8.6	11.1
YOLO	36.1	35.5	10.7 *	12.0	9.5 *	7.9 *
YUBA	57.5	66.5	24.1 *	23.5 *	18.7 *	18.2 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2002-2007

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	HOMICIDE		FIREARM-RELATED DEATHS		DRUG-INDUCED DEATHS	
	(THREE-YEAR AVERAGES) ^{1,2}		(THREE-YEAR AVERAGES) ^{1,2}		(THREE-YEAR AVERAGES) ^{1,2}	
	2002-2004	2005-2007	2002-2004	2005-2007	2002-2004	2005-2007
CALIFORNIA	6.8	6.6	9.5	8.9	10.0	10.5
ALAMEDA	8.7	10.1	10.2	11.1	9.3	11.6
ALPINE	-	24.5 *	30.6 *	37.4 *	-	-
AMADOR	0.9 *	1.0 *	8.2 *	14.9 *	17.1 *	20.4 *
BUTTE	2.8 *	4.5 *	11.0	10.9	20.9	26.4
CALAVERAS	4.6 *	3.8 *	15.7 *	15.9 *	14.7 *	9.0 *
COLUSA	-	1.5 *	5.0 *	8.7 *	3.4 *	11.7 *
CONTRA COSTA	8.1	9.8	10.9	11.4	8.7	9.3
DEL NORTE	2.2 *	8.7 *	11.5 *	7.6 *	20.2 *	21.4 *
EL DORADO	2.3 *	2.9 *	10.2 *	12.9	12.5	17.5
FRESNO	7.5	7.9	10.6	9.9	12.0	12.4
GLENN	1.0 *	-	18.4 *	10.6 *	12.6 *	16.0 *
HUMBOLDT	7.7 *	2.0 *	14.5	12.5 *	29.7	33.3
IMPERIAL	4.5 *	2.7 *	5.7 *	5.7 *	6.2 *	10.4 *
INYO	2.7 *	1.4 *	19.6 *	8.1 *	8.7 *	3.6 *
KERN	6.9	7.7	10.5	12.1	15.6	15.9
KINGS	4.2 *	3.6 *	6.4 *	7.1 *	9.1 *	8.0 *
LAKE	4.9 *	6.0 *	10.7 *	14.7 *	20.4 *	27.6 *
LASSEN	2.7 *	5.7 *	13.1 *	13.0 *	12.1 *	25.7 *
LOS ANGELES	10.9	9.7	12.2	10.7	8.5	7.7
MADERA	6.1 *	5.5 *	8.8 *	11.5 *	10.7 *	9.7 *
MARIN	1.7 *	2.0 *	4.3 *	5.0 *	10.1	13.0
MARIPOSA	-	1.0 *	12.8 *	9.0 *	15.6 *	22.2 *
MENDOCINO	6.8 *	7.2 *	12.7 *	17.3 *	19.1 *	17.7 *
MERCED	7.5 *	7.5 *	11.2	9.5	8.0 *	8.9 *
MODOC	-	-	13.1 *	19.6 *	13.0 *	22.2 *
MONO	-	-	10.7 *	-	2.5 *	1.8 *
MONTEREY	6.4	5.0	9.3	6.3	11.0	9.4
NAPA	2.7 *	2.8 *	5.3 *	7.1 *	9.2 *	5.6 *
NEVADA	2.4 *	2.3 *	8.2 *	14.5 *	15.7 *	14.5 *
ORANGE	2.8	2.7	5.8	4.8	7.9	8.7
PLACER	1.4 *	2.0 *	8.0	5.0 *	9.1	13.9
PLUMAS	4.2 *	1.4 *	16.5 *	14.3 *	14.5 *	18.1 *
RIVERSIDE	5.9	5.6	9.6	9.6	10.4	10.8
SACRAMENTO	6.6	7.6	9.7	10.3	13.8	17.0
SAN BENITO	2.5 *	2.7 *	3.2 *	3.1 *	8.3 *	6.1 *
SAN BERNARDINO	8.6	8.4	12.1	10.8	10.0	10.8
SAN DIEGO	4.0	3.9	7.4	6.9	10.2	10.8
SAN FRANCISCO	8.2	10.1	8.2	9.7	15.7	21.4
SAN JOAQUIN	9.2	5.8	11.0	9.9	15.1	15.3
SAN LUIS OBISPO	2.2 *	2.5 *	6.7 *	7.6	9.7	12.4
SAN MATEO	4.0	4.2	6.0	6.1	6.8	7.3
SANTA BARBARA	1.6 *	2.2 *	5.0	4.5 *	11.5	10.4
SANTA CLARA	2.6	2.7	4.2	3.6	5.5	6.3
SANTA CRUZ	2.7 *	2.6 *	6.2 *	5.3 *	10.8	11.9
SHASTA	4.5 *	6.4 *	13.7	14.2	23.7	24.8
SIERRA	-	-	7.0 *	5.1 *	7.0 *	13.9 *
SISKIYOU	5.2 *	9.6 *	17.6 *	25.8 *	18.2 *	12.1 *
SOLANO	6.2	8.2	8.4	9.9	7.6	8.9
SONOMA	3.8 *	1.8 *	8.6	6.0	12.2	11.4
STANISLAUS	6.2	5.3	9.4	7.6	19.5	17.9
SUTTER	6.7 *	4.1 *	14.7 *	6.8 *	6.4 *	10.0 *
TEHAMA	2.6 *	6.4 *	9.1 *	10.7 *	10.8 *	14.3 *
TRINITY	3.1 *	6.9 *	20.9 *	37.7 *	13.9 *	27.5 *
TULARE	6.3	9.9	10.9	14.4	11.3	10.2
TUOLUMNE	4.5 *	2.5 *	17.0 *	16.9 *	22.7 *	23.6 *
VENTURA	4.1	3.6	7.1	7.5	9.2	10.8
YOLO	1.9 *	1.1 *	6.0 *	4.1 *	7.9 *	7.1 *
YUBA	4.3 *	5.1 *	15.9 *	12.2 *	6.6 *	3.1 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2002-2007

COUNTY OF RESIDENCE	MORBIDITY RATE		MORBIDITY RATE		MORBIDITY RATE	
	REPORTED INCIDENCE OF AIDS (AGED 13 AND OVER) (THREE-YEAR AVERAGES) ⁴		REPORTED INCIDENCE OF CHLAMYDIA (THREE-YEAR AVERAGES) ⁴		REPORTED INCIDENCE OF GONORRHEA (THREE-YEAR AVERAGES) ⁴	
	2002-2004	2005-2007	2002-2004	2005-2007	2002-2004	2005-2007
CALIFORNIA	15.0	12.1	324.7	364.1	74.9	88.3
ALAMEDA	17.9	17.6	336.0	404.1	122.5	149.2
ALPINE	-	-	103.1 *	50.5 *	-	-
AMADOR	3.0 *	2.9 *	75.5	161.8	11.7 *	12.1 *
BUTTE	6.9 *	3.1 *	266.1	329.6	49.6	62.0
CALAVERAS	2.6 *	0.8 *	71.9	77.5	16.1 *	19.7 *
COLUSA	-	-	131.8	156.7	19.8 *	15.2 *
CONTRA COSTA	10.5	8.0	257.8	304.3	65.6	85.0
DEL NORTE	6.9 *	3.9 *	101.0	86.5	7.0 *	4.5 *
EL DORADO	2.8 *	1.3 *	124.2	131.0	9.7 *	13.5
FRESNO	7.4	8.8	551.7	568.0	130.1	141.5
GLENN	4.5 *	1.4 *	178.3	206.5	6.0 *	24.1 *
HUMBOLDT	6.7 *	5.0 *	255.3	271.2	28.5	27.6
IMPERIAL	8.3 *	9.6 *	267.3	326.6	31.8	33.1
INYO	6.3 *	2.1 *	132.8	136.0	10.6 *	15.9 *
KERN	16.5	13.9	462.6	530.0	117.1	152.6
KINGS	8.4 *	5.6 *	410.6	361.5	60.4	72.3
LAKE	5.6 *	2.4 *	185.1	173.7	8.6 *	25.9 *
LASSEN	6.7 *	6.3 *	130.5	106.7	16.4 *	17.3 *
LOS ANGELES	21.0	15.2	394.4	418.4	91.5	105.6
MADERA	6.6 *	4.5 *	419.6	465.1	78.7	86.3
MARIN	12.6	11.8	135.3	215.8	21.1	31.6
MARIPOSA	-	2.0 *	89.0 *	79.5 *	16.7 *	25.3 *
MENDOCINO	4.5 *	4.8 *	209.5	214.3	18.3 *	23.2
MERCED	5.3 *	3.1 *	348.1	399.8	61.5	86.5
MODOC	-	-	77.7 *	119.3 *	-	48.4 *
MONO	-	2.8 *	61.4 *	96.0 *	4.9 *	14.4 *
MONTEREY	7.8	6.9	286.4	306.5	41.7	41.8
NAPA	4.6 *	5.4 *	99.4	182.5	9.4 *	20.9
NEVADA	1.6 *	1.5 *	111.7	125.4	6.5 *	10.7 *
ORANGE	8.4	7.7	205.5	257.4	28.1	35.1
PLACER	2.8 *	1.8 *	117.4	181.3	16.4	20.5
PLUMAS	10.8 *	-	67.2 *	140.8	10.9 *	20.1 *
RIVERSIDE	14.3	10.8	216.6	267.3	42.5	50.4
SACRAMENTO	9.5	8.3	405.6	531.8	128.3	156.8
SAN BENITO	3.8 *	3.7 *	215.9	227.5	44.5	53.8
SAN BERNARDINO	9.3	8.5	363.5	398.4	93.5	100.8
SAN DIEGO	18.3	15.6	349.1	386.7	71.9	84.0
SAN FRANCISCO	72.1	62.5	433.5	491.9	256.3	290.2
SAN JOAQUIN	11.6	8.9	391.4	470.0	111.4	126.0
SAN LUIS OBISPO	7.1 *	7.2 *	187.7	222.5	16.2	17.3
SAN MATEO	7.1	3.9	198.1	227.8	30.2	37.5
SANTA BARBARA	7.6	7.0	248.3	266.7	17.9	22.3
SANTA CLARA	8.7	8.2	280.4	314.4	43.6	54.6
SANTA CRUZ	7.7 *	6.9 *	218.2	236.4	22.4	33.7
SHASTA	4.1 *	4.6 *	328.5	253.2	29.1	18.5
SIERRA	-	-	18.0 *	27.2 *	-	9.1 *
SISKIYOU	1.7 *	0.8 *	206.1	221.4	11.0 *	15.9 *
SOLANO	14.5	14.1	324.1	414.4	66.3	87.0
SONOMA	13.3	11.4	141.5	167.2	24.6	25.7
STANISLAUS	7.2	5.5	317.6	369.2	66.5	100.3
SUTTER	2.5 *	6.4 *	196.2	231.6	54.5	48.2
TEHAMA	2.1 *	3.2 *	216.6	235.8	9.6 *	31.8
TRINITY	-	-	99.4 *	96.3 *	9.7 *	9.2 *
TULARE	5.2 *	2.7 *	426.6	412.8	64.0	92.7
TUOLUMNE	2.7 *	2.0 *	125.6	124.9	11.1 *	19.1 *
VENTURA	6.0	3.6	185.9	188.2	18.3	21.5
YOLO	4.6 *	2.7 *	214.6	263.3	22.2	35.7
YUBA	2.0 *	1.2 *	318.5	284.3	71.0	63.2

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2002-2007

COUNTY OF RESIDENCE	MORBIDITY RATE		MORTALITY RATE		PERCENT	
	REPORTED INCIDENCE OF TUBERCULOSIS**		INFANT MORTALITY, ALL RACE/ETHNIC GROUPS		LOW BIRTHWEIGHT INFANTS	
	(THREE-YEAR AVERAGES) ⁴		(THREE-YEAR AVERAGES) ⁵		(THREE-YEAR AVERAGES) ⁶	
	2002-2004	2005-2007	2001-2003	2004-2006	2002-2004	2005-2007
CALIFORNIA	8.7	7.5	5.4	5.3	6.6	6.9
ALAMEDA	12.0	10.2	4.8	4.8	6.9	7.2
ALPINE	-	-	-	-	3.0 *	2.4 *
AMADOR	-	-	4.9 *	8.5 *	5.2 *	4.4 *
BUTTE	1.7 *	1.4 *	6.3 *	6.9 *	5.7	6.3
CALAVERAS	-	0.7 *	5.1 *	5.5 *	6.4	6.2
COLUSA	1.6 *	3.0 *	3.0 *	2.7 *	4.1 *	4.4 *
CONTRA COSTA	7.1	5.1	4.0	4.2	6.5	6.7
DEL NORTE	1.2 *	-	8.1 *	9.2 *	4.1 *	5.8
EL DORADO	1.2 *	2.1 *	4.8 *	3.8 *	6.7	6.1
FRESNO	12.2	6.3	6.6	6.9	6.8	7.3
GLENN	3.6 *	3.4 *	3.2 *	3.9 *	4.4 *	4.8
HUMBOLDT	3.1 *	1.3 *	7.1 *	6.1 *	6.0	6.1
IMPERIAL	18.3	18.4	4.7 *	4.9 *	5.6	6.3
INYO	3.5 *	-	10.9 *	13.5 *	5.8 *	9.1
KERN	6.5	5.1	6.0	6.7	6.8	7.2
KINGS	2.9 *	3.8 *	5.9 *	7.2 *	6.3	6.5
LAKE	2.1 *	1.0 *	6.7 *	3.3 *	6.7	6.0
LASSEN	-	1.8 *	8.3 *	5.9 *	5.4 *	5.0 *
LOS ANGELES	10.3	9.0	5.5	5.2	7.0	7.3
MADERA	7.7 *	3.0 *	5.6 *	5.3 *	6.4	6.2
MARIN	5.6 *	4.2 *	3.3 *	2.9 *	6.3	6.1
MARIPOSA	0.0 +	-	4.8 *	4.6 *	4.8 *	5.2 *
MENDOCINO	5.2 *	3.3 *	7.7 *	8.9 *	5.8	6.8
MERCED	5.8 *	2.9 *	6.4	5.6	6.5	6.1
MODOC	-	-	-	12.1 *	7.5 *	5.8 *
MONO	-	-	6.7 *	9.7 *	7.4 *	9.1 *
MONTEREY	8.5	7.0	5.9	4.9	6.0	5.9
NAPA	5.1 *	4.2 *	3.1 *	5.8 *	5.7	5.9
NEVADA	0.7 *	1.3 *	1.6 *	4.9 *	6.0	6.4
ORANGE	7.8	7.4	4.6	4.6	6.1	6.4
PLACER	1.9 *	2.5 *	4.4 *	4.9	5.6	5.8
PLUMAS	-	-	3.9 *	1.9 *	6.7 *	5.4 *
RIVERSIDE	4.1	3.6	6.0	5.6	6.2	6.6
SACRAMENTO	10.5	8.4	5.8	6.0	6.6	7.0
SAN BENITO	4.1 *	0.6 *	4.0 *	3.0 *	4.8	6.2
SAN BERNARDINO	3.5	3.0	7.4	7.0	7.0	7.1
SAN DIEGO	10.7	9.8	5.0	5.2	6.2	6.7
SAN FRANCISCO	18.6	16.4	3.9	3.9	6.8	7.2
SAN JOAQUIN	9.9	9.5	7.1	6.4	6.8	6.8
SAN LUIS OBISPO	2.1 *	1.6 *	4.3 *	5.6 *	5.9	6.3
SAN MATEO	8.1	10.4	3.9	4.7	6.6	6.8
SANTA BARBARA	5.9	4.4 *	4.6	5.2	6.6	6.4
SANTA CLARA	13.1	12.5	3.9	4.1	6.5	6.7
SANTA CRUZ	3.1 *	3.3 *	4.1 *	4.8 *	5.4	5.7
SHASTA	3.0 *	2.8 *	6.7 *	5.2 *	5.8	6.7
SIERRA	-	-	13.9 *	14.9 *	6.4 *	4.1 *
SISKIYOU	-	0.7 *	3.0 *	8.4 *	7.3	7.1
SOLANO	7.9	8.1	5.5	5.2	6.9	7.3
SONOMA	3.6 *	2.6 *	4.4	3.8	5.1	5.8
STANISLAUS	3.9	2.7 *	7.3	6.7	6.5	6.4
SUTTER	4.7 *	1.8 *	2.9 *	3.9 *	5.8	5.5
TEHAMA	2.3 *	5.4 *	7.1 *	3.8 *	6.2	5.4
TRINITY	-	2.3 *	6.2 *	5.6 *	7.2 *	4.7 *
TULARE	4.7 *	4.8	6.4	5.5	5.9	6.1
TUOLUMNE	0.6 *	-	3.0 *	7.8 *	4.1	5.5
VENTURA	8.8	6.5	5.6	6.3	6.4	6.6
YOLO	3.8 *	3.6 *	5.5 *	3.5 *	5.5	5.3
YUBA	8.2 *	3.7 *	6.8 *	5.5 *	7.0	6.2

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

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2002-2007

COUNTY OF RESIDENCE	AGE-SPECIFIC BIRTH RATE		PERCENT		PERCENT BREASTFED	
	BIRTHS AMONG ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD (THREE-YEAR AVERAGES) ⁷		ADEQUATE/ADEQUATE PLUS PRENATAL CARE (THREE-YEAR AVERAGES) ⁶		BIRTHS WITH KNOWN FEEDING METHOD (THREE-YEAR AVERAGES) ⁶	
	2002-2004	2005-2007	2002-2004	2005-2007	2002-2004	2005-2007
CALIFORNIA	39.4	37.3	78.3	78.5	85.6	86.5
ALAMEDA	28.1	27.2	80.2	78.8	92.2	93.8
ALPINE	19.2 *	45.5 *	78.1 *	45.0 *	92.0 *	88.9 *
AMADOR	25.9	20.4	73.8	85.6	87.4	87.9
BUTTE	30.9	28.8	74.9	73.0	85.9	87.1
CALAVERAS	22.3	21.6	71.4	76.4	87.1	89.4
COLUSA	45.1	42.7	72.8	77.8	82.4	80.8
CONTRA COSTA	23.8	23.4	79.1	75.9	91.8	92.8
DEL NORTE	46.7	41.6	75.9	74.2	91.6	90.2
EL DORADO	19.0	16.6	70.7	68.7	92.1	93.5
FRESNO	59.2	55.8	85.7	83.4	83.0	84.0
GLENN	43.3	44.5	79.0	78.7	88.0	88.5
HUMBOLDT	28.4	30.1	65.9	71.1	91.3	91.5
IMPERIAL	58.5	55.2	66.0	63.3	79.4	85.4
INYO	31.2	39.3	64.3	64.0	91.3	93.6
KERN	63.1	62.2	75.9	71.3	80.8	81.7
KINGS	68.2	63.4	69.3	72.2	71.1	74.2
LAKE	37.6	40.6	65.6	66.3	86.2	88.1
LASSEN	33.0	25.1	77.4	75.8	89.6	91.3
LOS ANGELES	42.6	38.1	82.5	83.4	82.2	83.1
MADERA	66.1	63.5	74.4	68.9	83.8	86.3
MARIN	10.9	12.2	90.8	90.4	97.1	97.6
MARIPOSA	22.2 *	20.1 *	68.1	68.7	91.6	92.0
MENDOCINO	38.5	33.7	68.9	71.9	91.4	93.0
MERCED	55.0	55.2	57.2	53.5	83.9	84.7
MODOC	29.7 *	17.3 *	72.1	46.7	93.8	90.1
MONO	19.4 *	30.5 *	76.0	76.2	94.1	93.1
MONTEREY	58.2	57.1	77.5	73.5	93.6	94.2
NAPA	29.3	27.7	71.3	77.7	93.3	93.9
NEVADA	16.8	16.3	69.9	71.8	95.2	95.8
ORANGE	31.0	29.0	85.0	85.1	85.4	85.3
PLACER	18.0	15.8	79.1	78.2	91.4	92.7
PLUMAS	20.9 *	19.1 *	68.2	54.3	93.5	94.3
RIVERSIDE	42.4	41.9	75.3	76.5	81.3	84.4
SACRAMENTO	37.6	37.4	74.4	74.0	83.3	85.2
SAN BENITO	37.2	35.6	61.8	68.5	89.9	91.6
SAN BERNARDINO	46.7	46.1	76.2	76.1	78.4	81.2
SAN DIEGO	37.5	34.5	73.1	74.1	90.6	90.2
SAN FRANCISCO	24.4	22.3	80.4	82.0	91.9	93.9
SAN JOAQUIN	50.4	48.5	62.5	67.0	82.5	83.7
SAN LUIS OBISPO	22.3	20.5	79.9	82.9	94.5	94.5
SAN MATEO	23.8	21.9	83.8	85.0	95.0	95.5
SANTA BARBARA	40.2	43.7	77.8	79.2	93.1	93.0
SANTA CLARA	27.2	25.9	75.4	78.6	93.6	93.2
SANTA CRUZ	31.8	31.9	80.9	83.5	95.8	96.2
SHASTA	38.7	35.4	75.5	69.5	91.1	92.1
SIERRA	13.4 *	3.2 *	73.1	59.7 *	93.3 *	100.0 *
SISKIYOU	31.5	38.2	69.4	68.6	90.4	92.0
SOLANO	31.2	30.5	69.5	72.3	86.0	87.6
SONOMA	27.5	24.1	69.9	71.6	94.2	95.3
STANISLAUS	46.8	44.2	69.1	71.7	82.5	82.5
SUTTER	43.0	42.4	73.7	71.1	83.1	81.0
TEHAMA	46.7	43.2	73.9	70.4	88.0	89.6
TRINITY	21.6 *	21.6 *	60.4	58.0	94.1	93.2
TULARE	68.9	60.9	72.2	75.9	80.3	80.1
TUOLUMNE	24.1	24.3	75.6	77.8	90.6	91.1
VENTURA	33.9	35.5	81.9	78.2	89.4	90.0
YOLO	21.7	21.6	70.1	75.2	89.2	91.2
YUBA	60.2	51.2	71.1	68.2	78.0	80.3

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

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

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

² The age-adjusted death rates for years 2002-2007 were calculated using the 2000 Population Standard; thus, rates may not be consistent with previous "Profiles" reports.

³ Excludes multiple/contributing causes of death.

⁴ Crude case rates are per 100,000 population.

⁵ Birth cohort rates are per 1,000 live births.

⁶ Low birthweight, prenatal care, and breastfeeding percents per 100 live births.

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

Source: California Department of Public Health, Center for Health Statistics: 2002-2007 Birth and Death Statistical Master Files and 2001-2006 Birth Cohort Files.

California Department of Public Health, Office of AIDS, AIDS Case Registry, Communicable Disease Control, Genetic Disease Screening Program, and Maternal, Child and Adolescent Health Program. Department of Finance: 2003 and 2006 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 2002 through 2007, and from the linked births-deaths in the Birth Cohort-Perinatal Outcome Files for the years 2001 through 2006, 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, Sexually Transmitted Diseases Branch, Tuberculosis Control Branch, 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, Maternal, Child and Adolescent Health Program prepared the breastfeeding initiation data utilizing information collected by the Genetic Disease Screening Program.

The population data are provided on the Internet by the California Department of Finance (CDOF), Demographic Research Unit. Estimates of persons under age 18 in poverty are from the U.S. Census Bureau at <http://www.census.gov/did/www/saipe/>. These data have been updated with the most current estimates available. Population series are referenced in the table footnotes.

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

DATA DEFINITIONS

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

A small number of non-traffic deaths have previously been reported along with traffic deaths in prior publication tables titled "Deaths Due to Motor Vehicle Crashes." A non-traffic accident is any vehicle accident that occurs entirely in some place other than a public highway. An average of 158 non-traffic deaths during 2005 to 2007 was not included in Table 15, which was re-titled "Deaths Due to Motor Vehicle Traffic." This change aligns the data for direct comparison with Healthy People 2010 objectives.

Following is a list of the mortality tables in this report and the ICD-10 codes used to create these tables.

Table 1:	All Causes of Death.....	A00-Y89
Table 2:	All Cancers	C00-C97
Table 3:	Colorectal (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.....	J09-J18
Table 12:	Chronic Lower Respiratory Disease	J40-J47
Table 13:	Chronic Liver Disease and Cirrhosis	K70, K73-K74
Table 14:	Accidents (Unintentional Injuries)	V01-X59, Y85-Y86
Table 15:	Motor Vehicle Traffic.....	V02-V04 (.1, .9), V09.2, V12-V14 (.3-.9), V19 (.4-.6), V20-V28 (.3-.9), V29-V79 (.4-.9), V80 (.3-.5), V81.1, V82.1, V83-V86 (.0-.3), V87 (.0-.8), V89.2
Table 16:	Suicide.....	U03, X60-X84, Y87.0
Table 17:	Homicide	U01-U02, X85-Y09, Y87.1
Table 18:	Firearm-Related Deaths	U01.4, W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0
Table 19:	Drug-Induced Deaths	D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, K85.3, L10.5, L27.0, L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R50.2, R78.1-R78.5, X40-X44, X60-X64, X85, Y10-Y14

Morbidity (Tables 20-23): In general, the case definition of a disease means laboratory test results, or in their absence, a constellation of clearly specified signs and symptoms that meet a series of clinical criteria. CDC online case definitions may be found at URL: http://www.cdc.gov/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. County designation depicts county of residence, except for tuberculosis which reflects reporting jurisdiction (pages 47, 48, and 78). Although table headings indicate that the data shown are reported cases, please contact the Division of Communicable Disease Control and the Office of AIDS for complete morbidity reporting technical definitions and procedures.

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

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

As 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, while Table 24E White Infant Mortality now excludes data for the Not Stated and Unknown race groups included in previous reports, the relatively small number of these events in this large group may not substantially impact a county's rate. American Indian/Alaska Native and Not Stated/Unknown race groups are not shown independently due to unreliable rates, but are included in Table 24A Infant Mortality, All Race/Ethnic Groups.

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

Natality (Tables 25-27B): The natality data were obtained from Birth Statistical Master Files for 2005 through 2007. Records with specific unknown attributes were excluded from the total number of live births in developing the following tables: Table 25 excludes unknown birthweights; Table 27A excludes unknown prenatal care; and Table 27B excludes unknown adequacy of prenatal care.

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

The prenatal care indicator, Month Prenatal Care Began, has been associated with access to care. Late prenatal care is defined as the percentage of mothers who did not begin prenatal care in the first trimester. However, the percentage of births in which the mother's prenatal care began in the first trimester, as a health indicator, does not readily permit an unambiguous interpretation. According to some researchers, it fails to document whether or not prenatal care actually continues throughout the pregnancy. Therefore, in addition to Prenatal Care Not Begun First Trimester of Pregnancy, this Profiles report includes adequacy of prenatal care based on the Adequacy of Prenatal Care Utilization Index.

In Profiles reports published in 1995 through 1998, the Kessner Index was used to measure the adequacy of prenatal care. The Kessner Index was replaced in the 1999 report by the Adequacy of Prenatal Care Utilization Index, which is the methodology specified in HP 2010 Objectives.

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

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

Only “adequate and adequate plus” prenatal care 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.

Breastfeeding initiation data presented in this report were obtained from the Genetic Disease Screening Program, Newborn Screening Data with analyses by the Maternal, Child and Adolescent Health Program. All nonmilitary hospitals are required to complete the Newborn Screening Test Form prior to an infant’s discharge. To complete 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 population under 18 in poverty. The percent of children under 18 in this category is an indicator of global risk factors that have implications for accessibility to health services.

CRUDE RATES AND AGE-ADJUSTED RATES

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

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

Age-adjusted death rates are hypothetical rates obtained by calculating age-specific rates for each county and multiplying these rates by proportions of the same age categories in a "standard population," then summing the apportioned specific rates to a county total. The "standard population" used in the age-adjusted rates in this report is the 2000 U.S. Standard Population. The age-adjusted rates put all counties on the same footing with respect to the effect of age and permit direct comparisons among counties. It is important to understand that age-adjusted death rates should be viewed as constructs or index numbers rather than as actual measures of the risk of mortality. Crude death rates, which include the effect of age, are the rates that should be applied when measuring the actual risk of dying in a specific population. For further information on age-adjusted rates, see the NCHS report by Curtin and Klein on "Direct Standardization," listed in the bibliography. Data for the morbidity tables were not age-adjusted due to the unavailability of the morbidity data by age. Hence, only crude case rates were calculated. Although age and aging do affect morbidity, the effect is not as prominent as their impact on mortality.

Birth cohort infant death rates are not age-adjusted. Since the deaths are linked to the births on a record-by-record basis, these rates are based on a numerator (deaths) and a denominator (births) from the same record. Birth cohort comparisons among counties

reflect the actual risk of dying within one year of birth, and concurrently, are unaffected by confounding age compositions because the cohorts represent the same age group (under one year).

RELIABILITY OF RATES

All vital statistics rates and morbidity rates are subject to random variation. This variation is inversely related to the number of events (e.g., deaths) used in calculating the rate. Small frequencies in the occurrence of events produce a greater likelihood that random fluctuations will be found within a specified time period. Rare events are relatively less stable in their occurrence from observation to observation.

As a consequence, counties with only a few deaths, or a few cases of morbidity, can have highly unstable rates from year to year. The observation of zero events is especially hazardous, regardless of the population size. This report reduces some year-to-year fluctuation in the occurrence of rare events by basing rates on three-year average numbers of events (e.g., 2005-2007), divided by the population in the middle year (e.g., 2006).

The "standard error" of a 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 for each health indicator, except prenatal care adequacy (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 owning 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 possessing the highest percentage is in the first rank and the county with the lowest percentage is in the fifty-eighth rank. For all health indicators, counties with identical rates or percentages are ranked first by largest population or number of births, thus larger counties may appear ahead of smaller counties.

COMPARISON OF RATES AND PERCENTAGES (TABLE 30)

Rates and percentages have been calculated for one prior period, which facilitates comparison between the earlier period, and the current reported statistics for selected health indicators. Readers are cautioned that measuring progress toward target attainment for a HP 2010 objective using only one data point is not recommended. In monitoring

progress toward achieving the objective target rate, HP 2010 guidelines recommend using absolute differences between the target rate, the most recent data point, and a progress quotient. HP 2010 guidelines for measuring objectives are available online at <http://www.cdc.gov/nchs/hphome.htm>.

THEMATIC MAPS

ArcGIS, version 9.3, ArcMap software was used to create the thematic maps. Mapped data were derived from the rates/percentages displayed in the column to the immediate left of the 95 percent confidence intervals in the adjacent table. Counties with 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 target in the lightest shade, counties with a rate between the California rate and the target in the medium shade, and counties with a rate above the California rate in the darkest shade (see the Colorectal [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.

Age-adjusted death rates for accidents (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.

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_a = Population Size in Same Age Group
- B = Base (100,000)
- W_a = Age-Specific Weight (Standard Population Proportion)
- SE_x = Standard Error of a Crude Death Rate
- RSE_x = Relative Standard Error of a Crude Death Rate
- SE_y = Standard Error of an Age-Adjusted Death Rate
- RSE_y = Relative Standard Error of an Age-Adjusted Death Rate
- CL = Confidence Limit

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, 2005-2007 for Alameda County.

ALAMEDA COUNTY					
AGE GROUPS	2005-2007 DEATHS (AVERAGE)	2006 POPULATION	AGE-SPECIFIC RATE/100,000	2000 U.S. STANDARD POPULATION PROPORTIONS	WEIGHTED RATE FACTORS
	(A)	(B)	(C)	(D)	(E)
TOTAL	9,301.3	1,510,695	615.7		
Unknown	0.7				
<1	100.7	20,555	489.7	0.013818	6.8
1-4	16.3	83,319	19.6	0.055317	1.1
5-14	24.3	197,873	12.3	0.145565	1.8
15-24	144.7	192,860	75.0	0.138646	10.4
25-34	176.0	221,495	79.5	0.135573	10.8
35-44	334.3	251,123	133.1	0.162613	21.6
45-54	776.7	223,314	347.8	0.134834	46.9
55-64	1,128.7	159,979	705.5	0.087247	61.6
65-74	1,367.7	81,988	1,668.1	0.066037	110.2
75-84	2,404.0	54,804	4,386.5	0.044842	196.7
>84	2,827.3	23,385	12,090.4	0.015508	187.5
AGE-ADJUSTED RATE.....					655.3

- 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 655.3 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.

COMPARISON OF CALIFORNIA'S HEALTH STATUS PROFILES 2009 REPORT WITH U.S. RATES

HP2010 OBJECTIVE	INDICATOR	NATIONAL OBJECTIVE	UNITED STATES ¹	CALIFORNIA	CALIFORNIA vs UNITED STATES (% Difference)
MORTALITY (per 100,000 population)					
	ALL CAUSES	a	776.4	683.5	-12.0%
3-1	ALL CANCERS	158.6	180.8	159.3	-11.9%
3-5	COLORECTAL (COLON) CANCER	13.7	17.2	15.1	-12.2%
3-2	LUNG CANCER	43.3	51.5	39.2	-23.9%
3-3	FEMALE BREAST CANCER	21.3	24.1	21.7	-10.0%
3-7	PROSTATE CANCER	28.2	24.5	22.5	-8.2%
5-5	DIABETES	b	23.3	21.9	-6.0%
	ALZHEIMER'S DISEASE	a	22.7	24.0	5.7%
12-1	CORONARY HEART DISEASE	162.0	144.0	145.2	0.8%
12-7	CEREBROVASCULAR DISEASE (STROKE)	50.0	43.6	43.5	-0.2%
	INFLUENZA/PNEUMONIA	a	17.7	21.0	18.6%
	CHRONIC LOWER RESPIRATORY DISEASE	a	40.4	38.4	-5.0%
26-2	CHRONIC LIVER DISEASE AND CIRRHOSIS	3.2	8.7	10.6	21.8%
15-13	ACCIDENTS (UNINTENTIONAL INJURIES)	17.1	38.5	30.4	-21.0%
15-15a	MOTOR VEHICLE TRAFFIC	8.0	14.6	11.1	-24.0%
18-1	SUICIDE	4.8	10.6	9.0	-15.1%
15-32	HOMICIDE	2.8	6.0	6.6	10.0%
15-3	FIREARM-RELATED DEATHS	3.6	10.1	8.9	-11.9%
26-3	DRUG-INDUCED DEATHS	1.2	11.5	10.5	-8.7%
MORBIDITY (per 100,000 population)					
13-1	AIDS INCIDENCE (AGE 13 AND OVER)	1.0	14.9	12.1	-18.8%
25-1	CHLAMYDIA INCIDENCE	c	d	364.1	
25-02a	GONORRHEA INCIDENCE	19.0	121.0	88.3	-27.0%
14-11	TUBERCULOSIS INCIDENCE	1.0	4.6	7.5	63.0%
INFANT MORTALITY (per 1,000 live births)					
16-1c	INFANT DEATHS: ALL RACES	4.5	6.9	5.3	-23.2%
16-1c	INFANT DEATHS: ASIAN/PACIFIC ISLANDER	4.5	4.9	4.2	-14.3%
16-1c	INFANT DEATHS: BLACK	4.5	13.3	12.3	-7.5%
16-1c	INFANT DEATHS: HISPANIC	4.5	5.6	5.2	-7.1%
16-1c	INFANT DEATHS: WHITE	4.5	5.8	4.7	-19.0%
NATALITY (per 100 live births; 1,000 population)					
16-10a	LOW BIRTHWEIGHT INFANTS	5.0	8.3	6.9	-16.9%
16-6a	LATE OR NO PRENATAL CARE	10.0	16.8	14.9	-11.3%
16-6b	ADEQUATE/ADEQUATE PLUS CARE	90.0	75.0	78.5	4.7%
	BIRTHS TO MOTHERS AGED 15-19	a	41.9	37.3	-11.0%
BREASTFEEDING (per 100 births)					
16-19a	BREASTFEEDING INITIATION	75.0	74.2	86.5	16.6%
CENSUS 2006					
	PERSONS UNDER 18 IN POVERTY	a	18.3	17.0	-7.1%

¹ 2006 mortality, morbidity, and teenage birth rates. 2006 natality percentages.

2005 female breast cancer, prostate cancer, and motor vehicle traffic death rates.

2005 adequate/adequate plus care and breastfeeding percentages.

2005 infant mortality (birth cohort) rates.

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 causes 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. 2005-2007 Birth and Death Statistical Master Files, 2004-2006 Birth Cohort-Perinatal Outcome Files.

Division of Communicable Disease Control; Office of AIDS, AIDS Case Registry; and Genetic Disease Branch, Newborn Screening Program. California Department of Finance. 2006 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

National Center for Health Statistics. Births: Final Data for 2006. *National Vital Statistics Reports*, Vol. 57, No. 7. January 2009.

National Center for Health Statistics. Deaths: Preliminary Data for 2006. *National Vital Statistics Reports*, Vol. 56, No. 16. June 2008.

U.S. Centers for Disease Control and Prevention (CDC). CDC Wonder at <http://wonder.cdc.gov/data2010>. Accessed February 2009.

U.S. Census Bureau. Small Area Income and Poverty Estimates at <http://www.census.gov/did/www/saie>. Accessed February 2009.

BIBLIOGRAPHY

American Academy of Pediatrics. Breastfeeding and the Use of Human Milk (RE9729). *Pediatrics*, Vol. 100, No. 6, December 1997: pp. 1035-1039.

Armitage P, Berry G. *Statistical Methods in Medical Research*, second edition. Boston: Blackwell Scientific Publication, 1987.

Curtin LR, Klein RJ. Direct Standardization (Age-Adjusted Death Rates), *Healthy People 2000 Statistical Notes*. National Center for Health Statistics, DHHS Pub. No. (PHS) 95-1237, March 1995; No. 6-Revised.

Fleiss JL. *Statistical Methods for Rates and Proportions*, second edition. New York: John Wiley and Sons, 1981.

Foster JE. Using Natality Data in Health Planning. *Statistical Notes for Health Planners*, No. 12. National Center for Health Statistics. November 1980.

Institute for Medicine. *The Future of Public Health*. Washington, D.C.: National Academy of Science Press, 1988; pp. 13-15.

Klein RJ, Schoenborn, CA. Age Adjustment Using the 2000 Projected U.S. Population. *Healthy People 2010 Statistical Notes*. National Center for Health Statistics, DHHS Publication, Number 20, January 2001.

Kleinman JC. Mortality. *Statistical Notes for Health Planners*, No. 3. National Center for Health Statistics. February 1977.

Kotelchuck M. An Evaluation of the Kessner Adequacy of Prenatal Care Index and a Proposed Adequacy of Prenatal Care Utilization Index. *American Journal of Public Health*, Vol. 84, No. 9, pp. 1414-1420. September 1994.

Lilienfeld AM, Lilienfeld DE. *Foundations of Epidemiology*, second edition. New York: Oxford University Press, 1980.

Tashiro M. A Description of the California Birth Cohort-Perinatal File. *Data Matters* #83-11078. Center for Health Statistics, California Department of Health Services (now California Department of Public Health). February 1984.

U. S. Department of Health and Human Services. *Healthy People 2000: National Health Promotion and Disease Prevention Objectives for the Nation*. Washington, D.C.: Public Health Service, DHHS Pub. No. (PHS) 91-50212, 1991.

U. S. Department of Health and Human Services. *Healthy People 2010 Objectives* (Second Edition, in Two Volumes). Washington, D.C., January 2001.

World Health Organization. *International Statistical Classification of Diseases and Related Health Problems, tenth revision*. Geneva: World Health Organization, 1992.

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