

COUNTY HEALTH STATUS PROFILES 2010

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

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COUNTY HEALTH STATUS PROFILES 2010

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ACKNOWLEDGMENTS

Steven Shippen, Research Program Specialist with the California Department of Public Health (CDPH), Center for Health Statistics (CHS), Office of Health Information and Research (OHIR), Planning and Data Analysis Section prepared this report.

Mary Heim with the Department of Finance provided the 2007 race/ethnic population estimates by county with age and sex detail.

Carina Saraiva, MPH with the CDPH, Maternal, Child and Adolescent Health Program prepared the breastfeeding data using data collected by the Genetic Disease Screening Program.

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.

Mark Damesyn, Dr PH and **Steven Starr** 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 and **Alicia Van Hoy** with the CDPH, CHS, OHIR conducted peer review of the statistical tables and thematic maps.

CHS staff collected, coded, and edited birth and death certificates, the basis of the Birth and Death Statistical Master Files.

Cover Photography by **Steven Shippen**: California Capitol Park, World Peace Rose Garden, Sacramento, California.



MARK B HORTON, MD, MSPH
Director

State of California—Health and Human Services Agency
California Department of Public Health



ARNOLD SCHWARZENEGGER
Governor

Dear Colleague:

We are pleased to present California's **County Health Status Profiles 2010**. This report contains selected health status indicators recommended by the U. S. Department of Health and Human Services, Office of Disease Prevention and Health Promotion 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.

County Health Status Profiles 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. This year's report reflects changes in data collection and methodology for HIV/AIDS and breastfeeding data. HIV/AIDS includes three-year average rates for comparison and the data reflects their overall changes. Breastfeeding rates are not comparable across years and are presented for the single year 2008.

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
California Department of Public Health

Ed Moreno, MD, MPH
President
California Conference of
Local Health Officers

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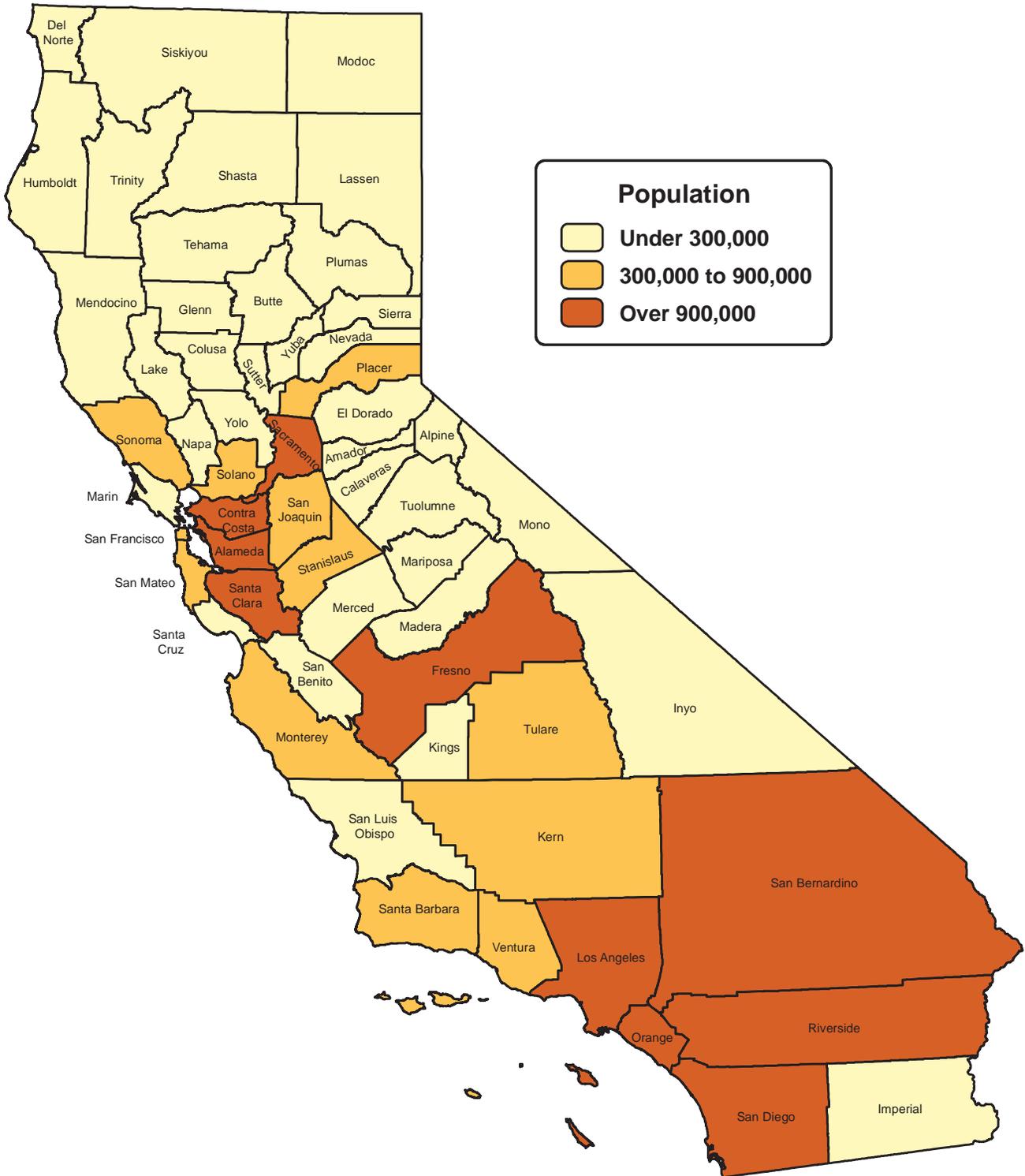
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CALIFORNIA COUNTIES

STATEWIDE POPULATION: 37,810,582



Source: Department of Finance, 2007 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 summary table of California's rates/percentages for selected health indicators, the target rates established for Healthy People 2010 (HP 2010) National Objectives, and the U.S. rates, where 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.

Appendix A in the past compared California to the U.S. rates. California's Health Status Profile 2010 replaces this table, which is similar to the county summary tables located at <http://www.cdph.ca.gov/programs/ohir/Pages/CHSPCountySheets.aspx>.

The following California Department of Public Health (CDPH) offices provided data for this report: 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 (DOF) provided 2007 race/ethnicity population estimates by county with age and sex detail. Estimates of persons under age 18 in poverty in 2007 are from the U.S. Census Bureau (<http://www.census.gov//did/www/saipe/>).

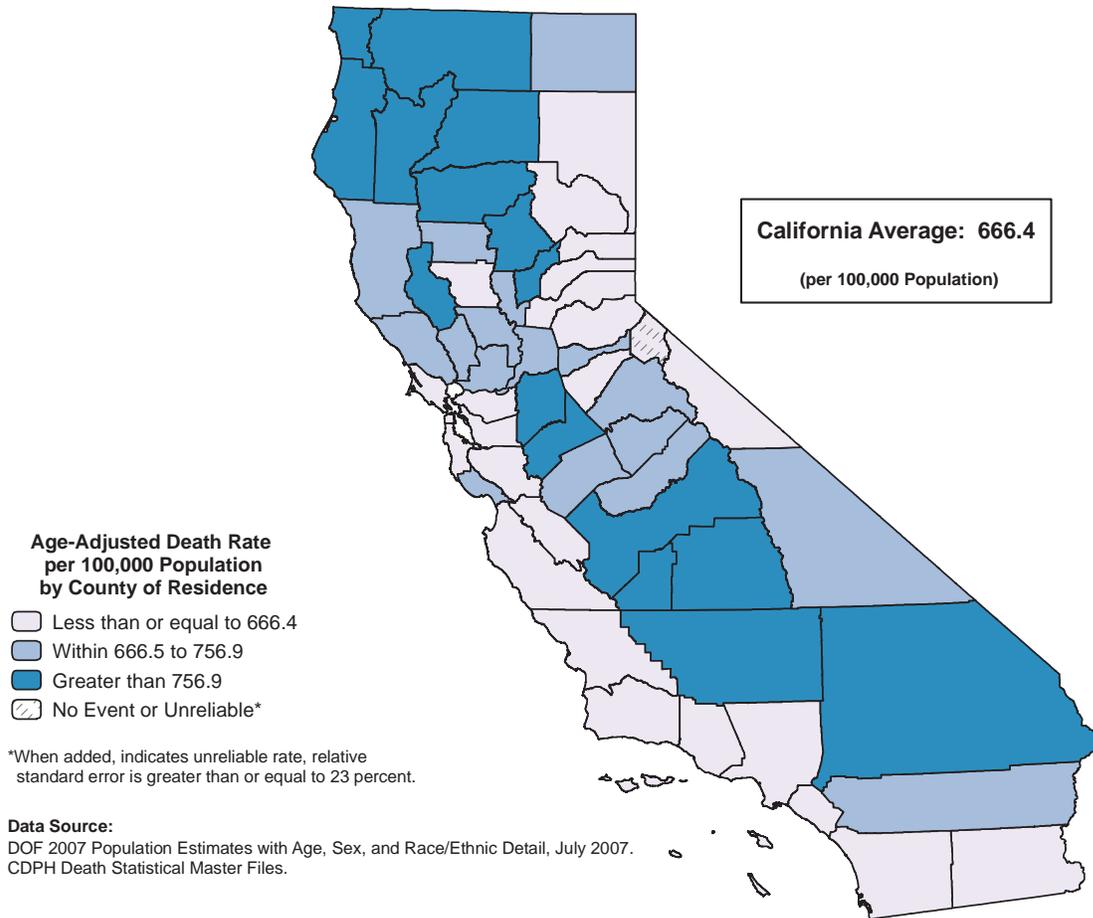
To access electronic copies of this report, visit the CDPH, Center for Health Statistics site on the Internet at <http://www.cdph.ca.gov/programs/OHIR/Pages/CHSP.aspx>.

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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County Health Status Profiles for the years 1999 through 2009 are available on the CDPH website at: <http://www.cdph.ca.gov/programs/ohir/Pages/CHSPPriorReports.aspx>. Paper copies of the 1993 through 2006 reports may be purchased for \$10 by contacting OHIR at the above address or phone.

DEATHS DUE TO ALL CAUSES, 2006-2008



The crude death rate from all causes for California was 620.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 161 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 234,663.7 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 1,203.0 in Lake County to 245.5 in Mono County, a factor of 4.9 to 1.

The age-adjusted death rate from all causes for California during the 2006 through 2008 three-year period was 666.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 932.6 in Humboldt County to 270.7 in Mono County.

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

**TABLE 1
DEATHS DUE TO ALL CAUSES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:					NONE		
1	ALPINE	1,331	4.0	300.5 *	267.8 *	0.0	548.4
2	MONO	14,118	34.7	245.5	270.7	175.7	365.7
3	SANTA CLARA	1,795,449	8,890.0	495.1	531.9	520.8	543.1
4	MARIN	253,113	1,806.7	713.8	548.1	522.2	573.9
5	SIERRA	3,667	32.3	881.7	555.2	355.3	755.2
6	SAN MATEO	728,905	4,506.0	618.2	560.8	544.2	577.3
7	MONTEREY	424,769	2,270.0	534.4	576.7	552.8	600.6
8	PLUMAS	21,602	188.7	873.4	577.0	491.6	662.3
9	SAN BENITO	59,147	260.7	440.7	581.0	509.3	652.7
10	SAN FRANCISCO	805,810	5,780.7	717.4	601.2	585.4	617.0
11	IMPERIAL	174,981	915.0	522.9	605.2	565.6	644.8
12	SANTA BARBARA	423,291	2,834.0	669.5	608.4	585.8	631.1
13	ORANGE	3,115,411	17,075.3	548.1	611.4	602.2	620.7
14	LOS ANGELES	10,323,161	58,622.7	567.9	624.4	619.3	629.5
15	SAN LUIS OBISPO	264,485	2,100.7	794.2	628.0	600.7	655.4
16	LASSEN	36,891	196.0	531.3	629.2	539.7	718.7
17	CALAVERAS	46,121	439.0	951.8	635.3	572.2	698.4
18	EL DORADO	180,511	1,245.0	689.7	636.9	600.8	673.1
19	ALAMEDA	1,520,763	9,272.0	609.7	641.7	628.5	654.9
20	COLUSA	22,366	134.7	602.1	644.4	534.7	754.0
21	VENTURA	828,983	4,944.7	596.5	649.7	631.5	668.0
22	SAN DIEGO	3,107,477	19,277.0	620.3	656.2	646.8	665.5
23	PLACER	327,388	2,505.3	765.2	657.4	631.4	683.3
24	CONTRA COSTA	1,042,804	6,896.3	661.3	657.8	642.2	673.5
25	NEVADA	100,219	912.0	910.0	659.1	614.8	703.4
	CALIFORNIA	37,810,582	234,663.7	620.6	666.4	663.7	669.1
26	SANTA CRUZ	264,417	1,582.0	598.3	669.8	635.9	703.7
27	MODOC	10,448	94.3	902.9	670.8	529.8	811.8
28	INYO	18,936	190.7	1,006.9	674.1	573.2	775.0
29	MADERA	150,555	952.0	632.3	681.6	638.0	725.2
30	TUOLUMNE	57,897	603.7	1,042.7	682.6	625.7	739.4
31	NAPA	137,125	1,185.0	864.2	683.6	643.9	723.4
32	MARIPOSA	18,613	186.3	1,001.1	702.7	598.4	806.9
33	SONOMA	483,897	3,745.0	773.9	708.4	685.3	731.5
34	AMADOR	38,961	403.7	1,036.1	709.2	638.3	780.1
35	YOLO	195,895	1,124.0	573.8	717.6	675.2	759.9
36	SOLANO	426,866	2,745.3	643.1	725.0	697.6	752.5
37	SACRAMENTO	1,408,332	9,783.0	694.7	742.9	728.1	757.7
38	SUTTER	95,584	687.3	719.1	746.5	690.5	802.5
39	MENDOCINO	91,139	798.0	875.6	748.0	695.2	800.8
40	RIVERSIDE	2,061,597	13,919.7	675.2	752.9	740.4	765.5
41	MERCED	255,602	1,456.7	569.9	753.8	714.6	793.0
42	GLENN	29,488	237.0	803.7	756.9	659.9	853.8
43	TRINITY	14,688	151.3	1,030.3	765.4	635.6	895.3
44	SAN BERNARDINO	2,056,110	12,108.3	588.9	795.0	780.5	809.4
45	SISKIYOU	46,408	533.0	1,148.5	799.6	728.7	870.5
46	TULARE	436,661	2,766.3	633.5	800.3	770.2	830.5
47	FRESNO	928,311	6,010.3	647.4	800.3	779.9	820.7
48	SAN JOAQUIN	690,102	4,676.7	677.7	802.2	779.1	825.4
49	KINGS	154,154	794.7	515.5	802.5	745.0	860.1
50	STANISLAUS	529,403	3,667.3	692.7	815.4	788.9	842.0
51	TEHAMA	62,795	614.3	978.3	823.6	757.8	889.4
52	LAKE	65,198	784.3	1,203.0	847.1	785.5	908.6
53	DEL NORTE	29,970	266.3	888.7	848.5	746.1	950.9
54	YUBA	74,674	529.0	708.4	853.4	780.0	926.7
55	BUTTE	220,376	2,295.0	1,041.4	860.0	824.2	895.8
56	KERN	817,095	5,318.3	650.9	901.1	876.3	925.8
57	SHASTA	184,010	2,020.7	1,098.1	924.0	883.3	964.7
58	HUMBOLDT	132,512	1,290.7	974.0	932.6	881.2	984.0

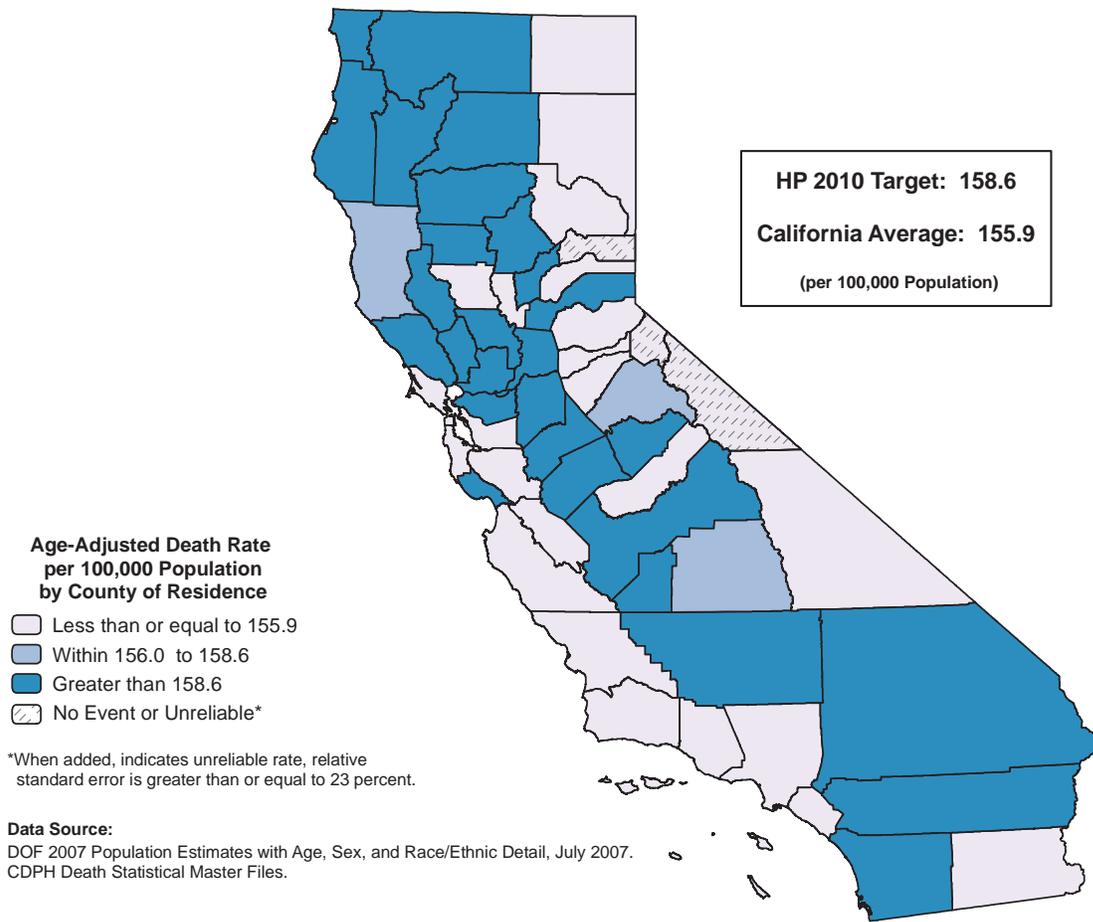
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO ALL CANCERS, 2006-2008



The crude death rate from all cancers for California was 144.2 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 694 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 54,513.3 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 279.1 in Trinity County to 91.3 in Lassen County, a factor of 3.1 to 1.

The age-adjusted death rate from all cancers for California during the 2006 through 2008 three-year period was 155.9 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 200.1 in Del Norte County to 106.3 in Lassen County.

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

**TABLE 2
DEATHS DUE TO ALL CANCERS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,331	0.3	25.0 *	14.5 *	0.0	63.6
2	MONO	14,118	9.0	63.7 *	65.2 *	20.7	109.6
3	SIERRA	3,667	6.3	172.7 *	105.9 *	22.5	189.3
4	LASSEN	36,891	33.7	91.3	106.3	69.9	142.6
5	MONTEREY	424,769	506.0	119.1	131.2	119.7	142.7
6	MODOC	10,448	20.0	191.4	132.5	73.6	191.4
7	SANTA CLARA	1,795,449	2,271.7	126.5	134.9	129.3	140.5
8	COLUSA	22,366	28.0	125.2	135.6	85.0	186.1
9	IMPERIAL	174,981	209.3	119.6	139.2	120.2	158.1
10	MADERA	150,555	198.0	131.5	140.6	120.8	160.3
11	MARIN	253,113	462.7	182.8	142.2	129.0	155.4
12	PLUMAS	21,602	49.0	226.8	143.7	102.5	184.8
13	LOS ANGELES	10,323,161	13,518.7	131.0	144.9	142.5	147.4
14	SAN BENITO	59,147	67.0	113.3	147.3	111.4	183.3
15	VENTURA	828,983	1,138.3	137.3	148.3	139.6	157.1
16	SAN MATEO	728,905	1,169.7	160.5	149.4	140.8	158.1
17	SANTA BARBARA	423,291	669.7	158.2	149.5	138.0	160.9
18	INYO	18,936	43.0	227.1	149.5	103.9	195.2
19	ORANGE	3,115,411	4,171.3	133.9	149.8	145.2	154.4
20	ALAMEDA	1,520,763	2,150.3	141.4	150.9	144.4	157.3
21	SAN FRANCISCO	805,810	1,406.0	174.5	151.0	143.0	158.9
22	SUTTER	95,584	139.7	146.1	151.1	125.9	176.2
23	SAN LUIS OBISPO	264,485	501.7	189.7	151.3	137.9	164.6
24	CALAVERAS	46,121	112.7	244.3	151.9	122.9	181.0
25	NEVADA	100,219	221.0	220.5	152.5	132.1	173.0
26	AMADOR	38,961	93.0	238.7	154.2	122.5	185.9
27	EL DORADO	180,511	317.3	175.8	155.9	138.4	173.4
	CALIFORNIA	37,810,582	54,513.3	144.2	155.9	154.6	157.2
28	TULARE	436,661	537.3	123.1	158.1	144.6	171.6
29	MENDOCINO	91,139	174.0	190.9	158.6	134.7	182.5
30	TUOLUMNE	57,897	146.0	252.2	158.6	132.3	185.0
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-1)				158.6		
31	FRESNO	928,311	1,186.7	127.8	160.7	151.5	169.9
32	MERCED	255,602	309.0	120.9	162.2	144.0	180.4
33	CONTRA COSTA	1,042,804	1,723.3	165.3	162.8	155.0	170.5
34	SAN DIEGO	3,107,477	4,721.7	151.9	163.9	159.2	168.6
35	SANTA CRUZ	264,417	377.3	142.7	164.6	147.4	181.7
36	YOLO	195,895	256.7	131.0	164.6	144.3	185.0
37	GLENN	29,488	51.0	173.0	165.6	120.0	211.3
38	MARIPOSA	18,613	48.0	257.9	166.7	118.7	214.7
39	PLACER	327,388	635.3	194.1	168.3	155.1	181.5
40	SAN BERNARDINO	2,056,110	2,611.0	127.0	168.9	162.3	175.5
41	SACRAMENTO	1,408,332	2,236.3	158.8	169.6	162.5	176.7
42	NAPA	137,125	284.0	207.1	171.3	151.1	191.6
43	SISKIYOU	46,408	117.3	252.8	172.1	140.2	203.9
44	STANISLAUS	529,403	778.0	147.0	174.3	162.0	186.6
45	RIVERSIDE	2,061,597	3,171.0	153.8	175.0	168.9	181.1
46	SAN JOAQUIN	690,102	1,011.7	146.6	175.2	164.3	186.0
47	KINGS	154,154	170.7	110.7	175.8	148.8	202.7
48	KERN	817,095	1,060.0	129.7	178.0	167.1	188.9
49	SOLANO	426,866	686.7	160.9	178.0	164.5	191.5
50	SONOMA	483,897	923.7	190.9	178.5	166.8	190.2
51	TRINITY	14,688	41.0	279.1	179.4	124.0	234.8
52	LAKE	65,198	181.7	278.6	184.5	157.2	211.9
53	YUBA	74,674	121.0	162.0	194.4	159.6	229.2
54	SHASTA	184,010	440.3	239.3	195.9	177.5	214.4
55	HUMBOLDT	132,512	275.0	207.5	196.7	173.2	220.2
56	BUTTE	220,376	511.7	232.2	196.8	179.6	214.1
57	TEHAMA	62,795	149.0	237.3	197.1	165.3	228.9
58	DEL NORTE	29,970	63.7	212.4	200.1	150.7	249.5

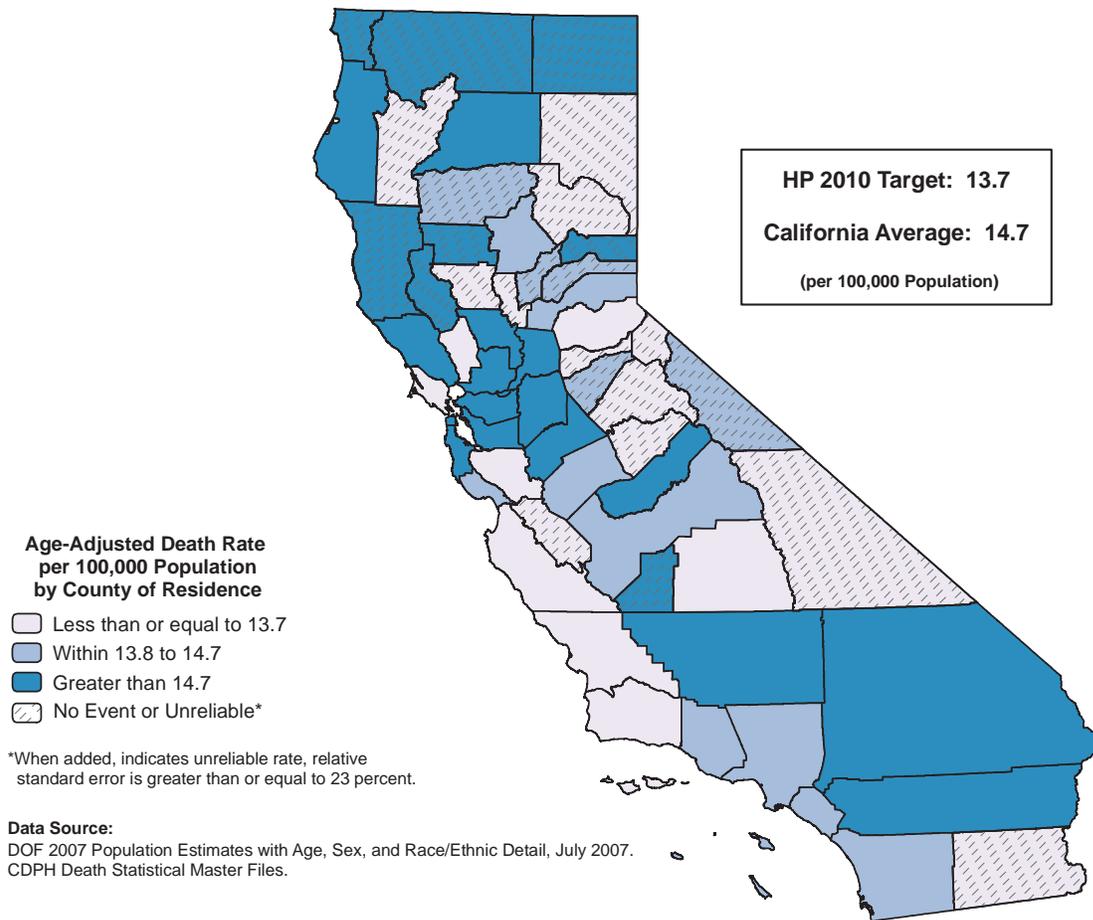
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO COLORECTAL CANCER, 2006-2008



The crude death rate from colorectal cancer for California was 13.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 7,356 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 5,140.3 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 20.3 in Nevada County to 10.2 in Tulare County, a factor of 2.0 to 1.

The age-adjusted death rate from colorectal cancer for California during the 2006 through 2008 three-year period was 14.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 19.4 in Stanislaus County to 10.6 in San Luis Obispo County.

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

**TABLE 3
DEATHS DUE TO COLORECTAL CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,331	0.0	-	-	-	-
2	LASSEN	36,891	2.0	5.4 *	5.9 *	0.0	14.3
3	TRINITY	14,688	2.0	13.6 *	9.3 *	0.0	22.3
4	COLUSA	22,366	2.0	8.9 *	9.7 *	0.0	23.1
5	MARIPOSA	18,613	3.0	16.1 *	9.8 *	0.0	20.9
6	PLUMAS	21,602	3.7	17.0 *	10.3 *	0.0	20.9
7	IMPERIAL	174,981	16.0	9.1 *	10.6 *	5.4	15.7
8	SAN LUIS OBISPO	264,485	35.0	13.2	10.6	7.1	14.2
9	SAN BENITO	59,147	5.0	8.5 *	11.1 *	1.2	21.0
10	INYO	18,936	3.3	17.6 *	11.1 *	0.0	23.2
11	MONTEREY	424,769	44.3	10.4	11.4	8.0	14.8
12	MARIN	253,113	38.3	15.1	11.7	8.0	15.5
13	TUOLUMNE	57,897	10.7	18.4 *	12.3 *	4.5	20.1
14	SANTA CLARA	1,795,449	208.3	11.6	12.4	10.7	14.1
15	EL DORADO	180,511	26.7	14.8	12.5	7.7	17.3
16	NAPA	137,125	21.3	15.6	12.6	7.2	18.1
17	SANTA BARBARA	423,291	57.7	13.6	12.9	9.5	16.2
18	TULARE	436,661	44.3	10.2	13.2	9.3	17.1
19	AMADOR	38,961	8.3	21.4 *	13.4 *	4.3	22.6
20	SUTTER	95,584	12.0	12.6 *	13.5 *	5.8	21.1
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-5)					13.7		
21	MERCED	255,602	26.3	10.3	13.8	8.5	19.1
22	TEHAMA	62,795	10.3	16.5 *	13.9 *	5.3	22.4
23	ORANGE	3,115,411	388.0	12.5	13.9	12.5	15.3
24	CALAVERAS	46,121	10.0	21.7 *	13.9 *	4.9	22.8
25	FRESNO	928,311	103.3	11.1	13.9	11.2	16.6
26	SANTA CRUZ	264,417	33.3	12.6	14.0	9.1	18.9
27	NEVADA	100,219	20.3	20.3	14.2 *	7.8	20.7
28	VENTURA	828,983	108.3	13.1	14.3	11.6	17.0
29	PLACER	327,388	54.0	16.5	14.4	10.5	18.3
30	LOS ANGELES	10,323,161	1,350.3	13.1	14.5	13.7	15.2
31	YUBA	74,674	9.0	12.1 *	14.6 *	5.0	24.1
32	MONO	14,118	2.0	14.2 *	14.6 *	0.0	35.6
33	BUTTE	220,376	38.0	17.2	14.6	9.9	19.3
34	SAN DIEGO	3,107,477	425.0	13.7	14.7	13.3	16.1
CALIFORNIA		37,810,582	5,140.3	13.6	14.7	14.3	15.1
35	SAN FRANCISCO	805,810	143.3	17.8	15.0	12.5	17.5
36	SHASTA	184,010	33.7	18.3	15.1	10.0	20.3
37	MODOC	10,448	2.3	22.3 *	15.1 *	0.0	34.6
38	SAN JOAQUIN	690,102	88.7	12.8	15.2	12.0	18.4
39	KERN	817,095	92.0	11.3	15.4	12.2	18.6
40	SACRAMENTO	1,408,332	206.3	14.7	15.5	13.4	17.6
41	MADERA	150,555	21.7	14.4	15.6	9.0	22.2
42	SAN MATEO	728,905	125.0	17.1	15.7	12.9	18.5
43	ALAMEDA	1,520,763	224.3	14.8	15.9	13.8	18.0
44	GLENN	29,488	5.0	17.0 *	15.9 *	1.8	30.0
45	SAN BERNARDINO	2,056,110	243.3	11.8	16.0	14.0	18.1
46	MENDOCINO	91,139	17.3	19.0 *	16.2 *	8.4	23.9
47	LAKE	65,198	15.7	24.0 *	16.2 *	8.0	24.4
48	SONOMA	483,897	84.7	17.5	16.5	12.9	20.1
49	YOLO	195,895	25.3	12.9	16.5	10.0	23.0
50	RIVERSIDE	2,061,597	300.7	14.6	16.5	14.7	18.4
51	CONTRA COSTA	1,042,804	176.3	16.9	16.9	14.4	19.4
52	SOLANO	426,866	65.7	15.4	17.0	12.8	21.2
53	SISKIYOU	46,408	11.7	25.1 *	17.0 *	6.9	27.1
54	DEL NORTE	29,970	5.7	18.9 *	18.0 *	3.1	32.8
55	KINGS	154,154	16.7	10.8 *	18.1 *	9.2	26.9
56	SIERRA	3,667	1.0	27.3 *	18.5 *	0.0	55.2
57	HUMBOLDT	132,512	26.3	19.9	19.1	11.7	26.4
58	STANISLAUS	529,403	85.3	16.1	19.4	15.2	23.5

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

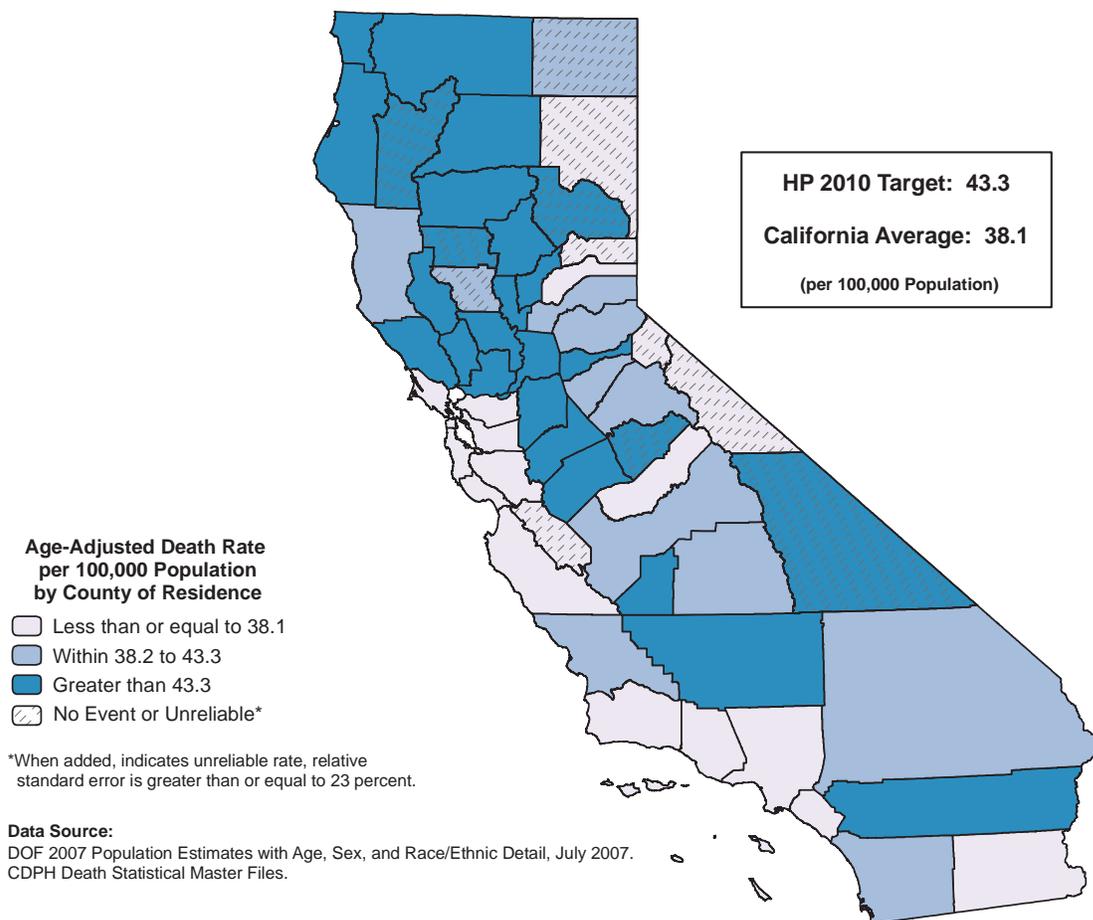
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO LUNG CANCER, 2006-2008



The crude death rate from lung cancer for California was 34.7 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,882 persons. This rate was based on the 2006 through 2008 three-year average number of deaths equaling 13,118.7 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 89.0 in Lake County to 26.9 in Imperial County, a factor of 3.3 to 1.

The age-adjusted death rate from lung cancer for California during the 2006 through 2008 three-year period was 38.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 76.8 in Yuba County to 29.5 in Marin County.

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

**TABLE 4
DEATHS DUE TO LUNG CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,331	0.0	-	-	-	-
2	MONO	14,118	2.0	14.2 *	13.8 *	0.0	33.3
3	SIERRA	3,667	1.0	27.3 *	15.0 *	0.0	44.5
4	MARIN	253,113	95.7	37.8	29.5	23.5	35.5
5	MADERA	150,555	44.0	29.2	30.9	21.7	40.1
6	SANTA CLARA	1,795,449	513.7	28.6	31.0	28.2	33.7
7	SAN BENITO	59,147	13.7	23.1 *	31.2 *	14.5	48.0
8	IMPERIAL	174,981	47.0	26.9	31.7	22.6	40.8
9	LASSEN	36,891	10.0	27.1 *	31.7 *	11.9	51.5
10	MONTEREY	424,769	120.3	28.3	31.7	26.0	37.4
11	LOS ANGELES	10,323,161	2,960.7	28.7	32.4	31.2	33.5
12	SANTA BARBARA	423,291	154.0	36.4	34.8	29.3	40.3
13	SAN MATEO	728,905	271.3	37.2	35.5	31.3	39.8
14	VENTURA	828,983	269.7	32.5	35.6	31.3	39.9
15	ALAMEDA	1,520,763	501.0	32.9	35.7	32.5	38.9
16	SANTA CRUZ	264,417	78.7	29.8	36.1	27.9	44.3
17	NEVADA	100,219	53.3	53.2	36.3	26.5	46.2
18	ORANGE	3,115,411	991.3	31.8	36.4	34.1	38.7
19	SAN FRANCISCO	805,810	335.3	41.6	36.5	32.5	40.4
20	CONTRA COSTA	1,042,804	397.0	38.1	37.8	34.0	41.6
	CALIFORNIA	37,810,582	13,118.7	34.7	38.1	37.5	38.8
21	COLUSA	22,366	8.0	35.8 *	39.0 *	11.8	66.2
22	MENDOCINO	91,139	43.7	47.9	39.0	27.3	50.7
23	SAN DIEGO	3,107,477	1,110.7	35.7	39.3	37.0	41.6
24	SAN LUIS OBISPO	264,485	133.3	50.4	40.4	33.5	47.3
25	FRESNO	928,311	292.0	31.5	40.4	35.8	45.1
26	TUOLUMNE	57,897	38.7	66.8	40.6	27.7	53.5
27	CALAVERAS	46,121	31.7	68.7	40.9	26.5	55.2
28	EL DORADO	180,511	82.7	45.8	41.4	32.3	50.4
29	TULARE	436,661	138.3	31.7	41.5	34.5	48.4
30	MODOC	10,448	6.3	60.6 *	41.6 *	9.1	74.1
31	PLACER	327,388	157.3	48.1	41.7	35.2	48.3
32	SAN BERNARDINO	2,056,110	632.0	30.7	41.8	38.5	45.1
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-2)				43.3		
33	SUTTER	95,584	41.0	42.9	44.0	30.5	57.5
34	RIVERSIDE	2,061,597	806.0	39.1	45.0	41.9	48.2
35	SONOMA	483,897	228.0	47.1	45.2	39.3	51.2
36	NAPA	137,125	73.7	53.7	45.3	34.8	55.7
37	PLUMAS	21,602	16.3	75.6 *	45.5 *	23.3	67.6
38	YOLO	195,895	69.0	35.2	45.5	34.7	56.3
39	AMADOR	38,961	27.7	71.0	45.6	28.4	62.8
40	KINGS	154,154	44.0	28.5	46.1	32.2	60.0
41	SACRAMENTO	1,408,332	611.7	43.4	46.9	43.1	50.6
42	MERCED	255,602	88.3	34.6	47.0	37.2	56.9
43	SAN JOAQUIN	690,102	270.3	39.2	47.7	42.0	53.5
44	STANISLAUS	529,403	210.7	39.8	47.9	41.4	54.4
45	SOLANO	426,866	181.3	42.5	48.2	41.0	55.3
46	INYO	18,936	14.3	75.7 *	49.5 *	23.7	75.2
47	KERN	817,095	293.7	35.9	49.8	44.0	55.5
48	SISKIYOU	46,408	34.7	74.7	49.9	33.1	66.8
49	HUMBOLDT	132,512	71.7	54.1	51.6	39.5	63.6
50	GLENN	29,488	16.3	55.4 *	53.3 *	27.4	79.2
51	MARIPOSA	18,613	15.3	82.4 *	53.7 *	26.2	81.1
52	BUTTE	220,376	144.7	65.6	56.1	46.9	65.3
53	LAKE	65,198	58.0	89.0	56.8	42.1	71.5
54	TEHAMA	62,795	45.7	72.7	59.6	42.3	76.9
55	SHASTA	184,010	140.0	76.1	61.9	51.6	72.1
56	DEL NORTE	29,970	19.7	65.6	61.9	34.4	89.4
57	TRINITY	14,688	15.0	102.1 *	64.5 *	31.6	97.4
58	YUBA	74,674	47.3	63.4	76.8	54.8	98.7

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

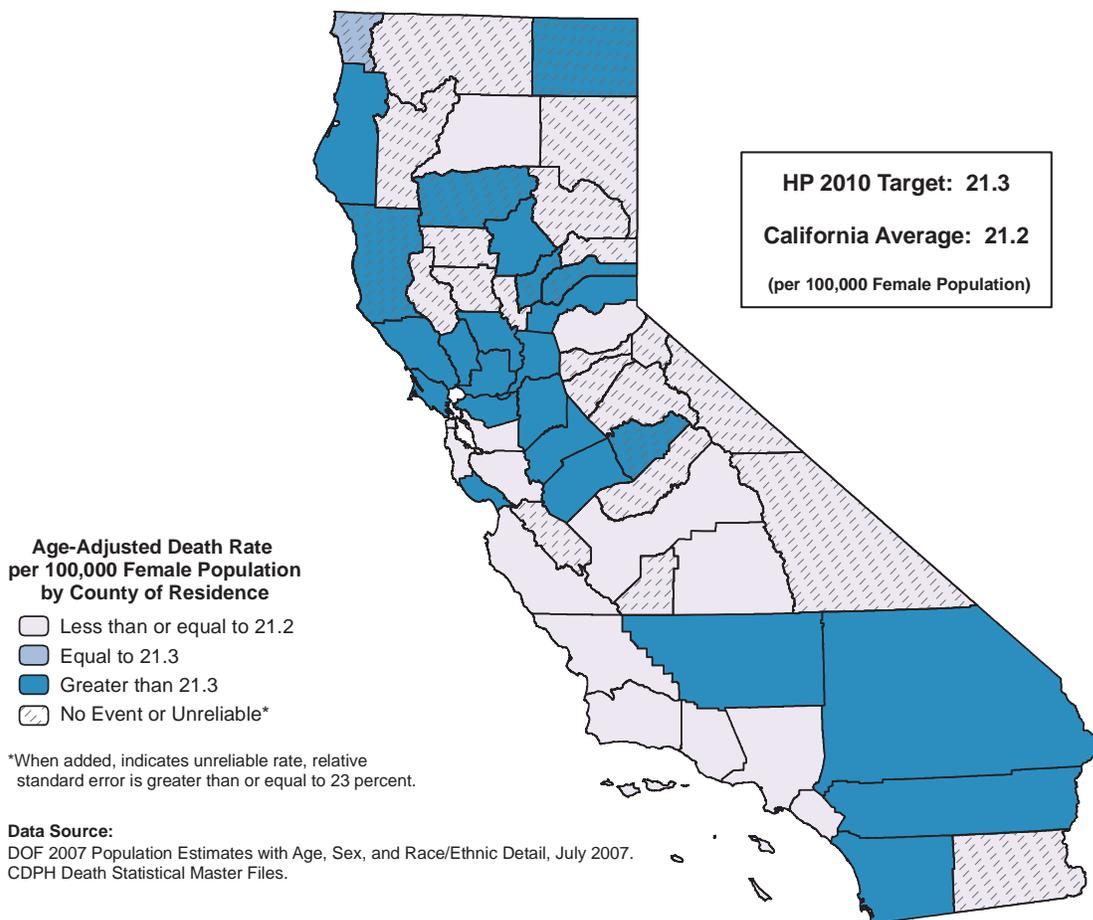
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO FEMALE BREAST CANCER, 2006-2008



The crude death rate from female breast cancer for California was 22.1 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 4,525 females. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 4,185.3 and female population count of 18,939,596 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 38.4 in Nevada County to 18.0 in Monterey County, a factor of 2.1 to 1.

The age-adjusted death rate from female breast cancer for California during the 2006 through 2008 three-year period was 21.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 29.2 in Humboldt County to 18.0 in Monterey County.

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

**TABLE 5
DEATHS DUE TO FEMALE BREAST CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 FEMALE POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS		
						LOWER	UPPER	
1	ALPINE	638	0.0	-	-	-	-	
2	TRINITY	7,226	1.0	13.8 *	8.1 *	0.0	24.0	
3	SIERRA	1,818	0.3	18.3 *	8.5 *	0.0	37.2	
4	COLUSA	10,953	1.0	9.1 *	9.4 *	0.0	28.0	
5	LAKE	32,806	6.7	20.3 *	12.1 *	2.9	21.4	
6	GLENN	14,571	2.7	18.3 *	15.1 *	0.0	33.5	
7	AMADOR	17,653	5.0	28.3 *	15.3 *	1.7	28.9	
8	INYO	9,561	2.3	24.4 *	15.9 *	0.0	36.8	
9	PLUMAS	10,892	3.0	27.5 *	16.7 *	0.0	35.8	
10	LASSEN	14,034	2.7	19.0 *	17.0 *	0.0	37.3	
11	IMPERIAL	82,384	13.7	16.6 *	17.1 *	8.0	26.2	
12	MONTEREY	207,345	37.3	18.0	18.0	12.2	23.8	
13	CALAVERAS	23,298	6.7	28.6 *	18.1 *	3.6	32.5	
14	SANTA CLARA	885,822	174.3	19.7	18.3	15.6	21.1	
15	VENTURA	412,894	81.3	19.7	18.8	14.7	22.9	
16	EL DORADO	90,409	21.7	24.0	18.9	10.8	27.0	
17	SAN FRANCISCO	392,570	97.0	24.7	19.0	15.1	22.9	
18	SUTTER	48,349	9.7	20.0 *	19.4 *	7.1	31.6	
19	ORANGE	1,567,854	317.7	20.3	19.9	17.7	22.1	
20	TUOLUMNE	27,492	9.7	35.2 *	20.1 *	6.7	33.5	
21	KINGS	67,273	11.0	16.4 *	20.3 *	8.2	32.4	
22	LOS ANGELES	5,198,625	1,087.0	20.9	20.5	19.3	21.7	
23	MONO	6,538	1.3	20.4 *	20.6 *	0.0	57.1	
24	SISKIYOU	23,651	7.3	31.0 *	20.7 *	5.6	35.8	
25	SAN LUIS OBISPO	129,254	36.3	28.1	20.8	13.8	27.7	
26	MADERA	77,749	16.3	21.0 *	20.9 *	10.7	31.1	
27	SANTA BARBARA	210,851	51.3	24.3	21.0	15.2	26.9	
28	TULARE	217,656	40.0	18.4	21.0	14.5	27.6	
29	FRESNO	461,102	87.3	18.9	21.0	16.6	25.5	
30	SHASTA	93,640	25.7	27.4	21.0	12.8	29.3	
31	ALAMEDA	776,647	174.7	22.5	21.0	17.9	24.2	
32	SAN MATEO	366,787	94.7	25.8	21.1	16.8	25.4	
33	SAN BENITO	29,203	5.3	18.3 *	21.1 *	3.0	39.3	
	CALIFORNIA	18,939,596	4,185.3	22.1	21.2	20.6	21.9	
34	DEL NORTE	13,513	3.7	27.1 *	21.3 *	0.0	43.2	
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-3)					21.3		
35	SACRAMENTO	716,781	161.3	22.5	21.5	18.2	24.9	
36	SAN DIEGO	1,546,487	352.0	22.8	21.6	19.3	23.9	
37	MARIN	127,792	39.0	30.5	21.7	14.7	28.7	
38	KERN	398,174	72.3	18.2	21.7	16.7	26.7	
39	NAPA	68,753	21.0	30.5	22.5	12.7	32.3	
40	STANISLAUS	269,451	57.7	21.4	22.7	16.8	28.6	
41	YOLO	99,410	20.3	20.5	22.7	12.8	32.7	
42	SAN JOAQUIN	346,365	73.7	21.3	22.9	17.6	28.1	
43	SOLANO	211,822	50.7	23.9	23.0	16.6	29.4	
44	MENDOCINO	45,654	14.0	30.7 *	23.0 *	10.8	35.3	
45	PLACER	167,655	49.0	29.2	23.3	16.7	29.9	
46	SAN BERNARDINO	1,028,876	213.0	20.7	23.8	20.5	27.0	
47	CONTRA COSTA	530,587	142.3	26.8	23.8	19.8	27.7	
48	YUBA	37,044	8.0	21.6 *	23.8 *	7.3	40.3	
49	BUTTE	111,960	34.7	31.0	23.9	15.6	32.1	
50	SONOMA	244,683	71.7	29.3	23.9	18.3	29.6	
51	MERCED	126,841	25.7	20.2	24.1	14.8	33.5	
52	NEVADA	50,328	19.3	38.4	24.6 *	13.4	35.8	
53	RIVERSIDE	1,034,811	247.0	23.9	24.8	21.7	27.9	
54	TEHAMA	31,661	10.7	33.7 *	25.5 *	10.2	40.9	
55	MODOC	5,152	2.0	38.8 *	26.0 *	0.0	62.5	
56	SANTA CRUZ	132,345	37.0	28.0	28.0	18.7	37.2	
57	MARIPOSA	9,108	4.3	47.6 *	28.2 *	1.5	54.9	
58	HUMBOLDT	66,798	23.0	34.4	29.2	17.1	41.4	

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

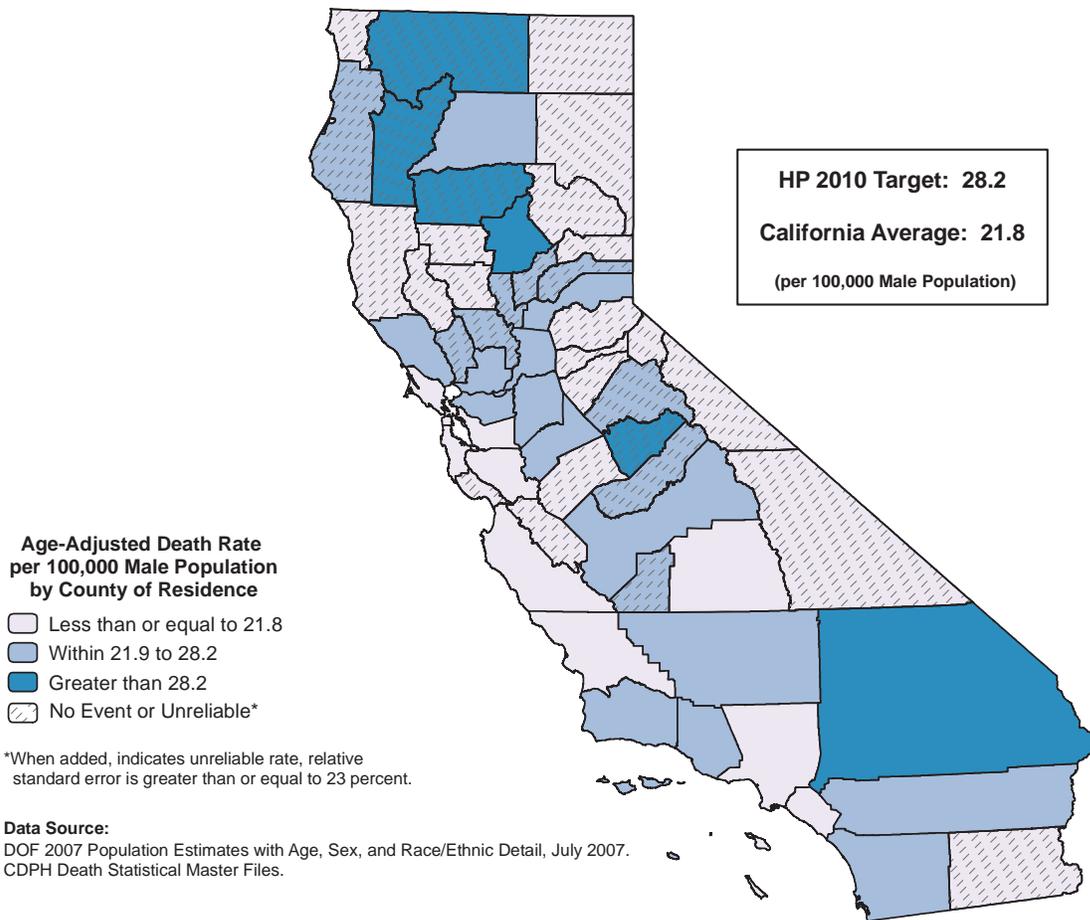
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO PROSTATE CANCER, 2006-2008



The crude death rate from male prostate cancer for California was 15.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 6,308 males. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 2,991.7 and male population count of 18,870,986 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 30.7 in Butte County to 11.5 in Santa Clara County, a factor of 2.7 to 1.

The age-adjusted death rate from male prostate cancer for California during the 2006 through 2008 three-year period was 21.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 29.7 in Butte County to 14.0 in San Francisco County.

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

**TABLE 6
DEATHS DUE TO PROSTATE CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 MALE POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	SIERRA	1,849	0.0	-	-	-	-
2	ALPINE	693	0.0	-	-	-	-
3	SAN BENITO	29,944	0.7	2.2 *	3.6 *	0.0	12.5
4	MONO	7,580	0.3	4.4 *	6.1 *	0.0	26.9
5	LASSEN	22,857	1.7	7.3 *	11.9 *	0.0	30.1
6	INYO	9,375	1.7	17.8 *	12.9 *	0.0	32.6
7	MODOC	5,296	1.0	18.9 *	13.7 *	0.0	40.7
8	SAN FRANCISCO	413,240	55.7	13.5	14.0	10.3	17.7
9	COLUSA	11,413	1.3	11.7 *	15.0 *	0.0	40.4
10	PLUMAS	10,710	2.3	21.8 *	16.0 *	0.0	36.7
11	SANTA CLARA	909,627	104.3	11.5	16.0	12.9	19.1
12	AMADOR	21,308	4.3	20.3 *	16.1 *	0.9	31.4
13	GLENN	14,917	2.3	15.6 *	17.7 *	0.0	40.5
14	IMPERIAL	92,597	11.3	12.2 *	18.1 *	7.4	28.8
15	LAKE	32,392	8.3	25.7 *	18.8 *	5.8	31.8
16	MARIN	125,321	25.0	19.9	19.0	11.5	26.5
17	MONTEREY	217,424	31.0	14.3	19.6	12.7	26.6
18	SANTA CRUZ	132,072	17.3	13.1 *	19.9 *	10.2	29.5
19	DEL NORTE	16,457	2.7	16.2 *	20.1 *	0.0	44.5
20	MERCED	128,761	15.0	11.6 *	20.4 *	10.0	30.8
21	ORANGE	1,547,557	214.7	13.9	20.5	17.7	23.3
22	EL DORADO	90,102	16.3	18.1 *	20.7 *	10.5	30.8
23	LOS ANGELES	5,124,536	749.7	14.6	20.8	19.3	22.3
24	SAN MATEO	362,118	64.3	17.8	20.9	15.7	26.0
25	TULARE	219,005	27.7	12.6	21.0	13.1	29.0
26	MENDOCINO	45,485	9.0	19.8 *	21.1 *	7.2	34.9
27	SAN LUIS OBISPO	135,231	31.0	22.9	21.4	13.8	28.9
28	CALAVERAS	22,823	6.7	29.2 *	21.4 *	4.9	38.0
29	ALAMEDA	744,116	118.0	15.9	21.7	17.7	25.7
	CALIFORNIA	18,870,986	2,991.7	15.9	21.8	21.0	22.6
30	SACRAMENTO	691,551	111.3	16.1	21.9	17.8	26.1
31	PLACER	159,733	34.7	21.7	22.0	14.6	29.3
32	SAN JOAQUIN	343,737	51.3	14.9	22.2	16.1	28.3
33	SANTA BARBARA	212,440	42.3	19.9	22.3	15.6	29.0
34	VENTURA	416,089	67.0	16.1	22.5	17.1	28.0
35	FRESNO	467,209	64.0	13.7	22.6	17.0	28.1
36	YUBA	37,630	5.3	14.2 *	22.6 *	3.2	41.9
37	SOLANO	215,044	32.7	15.2	22.7	14.8	30.6
38	CONTRA COSTA	512,217	93.0	18.2	22.8	18.1	27.5
39	TUOLUMNE	30,405	9.7	31.8 *	22.9 *	8.4	37.5
40	NEVADA	49,891	14.0	28.1 *	23.0 *	10.9	35.2
41	NAPA	68,372	17.3	25.4 *	23.3 *	12.2	34.3
42	HUMBOLDT	65,714	13.3	20.3 *	23.4 *	10.7	36.2
43	SUTTER	47,235	8.3	17.6 *	23.5 *	7.5	39.6
44	YOLO	96,485	14.0	14.5 *	23.8 *	11.3	36.4
45	SAN DIEGO	1,560,990	276.3	17.7	24.1	21.2	26.9
46	RIVERSIDE	1,026,786	187.7	18.3	24.9	21.3	28.5
47	SHASTA	90,370	23.0	25.5	25.2	14.8	35.6
48	STANISLAUS	259,952	43.7	16.8	25.3	17.7	32.9
49	MADERA	72,806	15.3	21.1 *	25.8 *	12.7	39.0
50	SONOMA	239,214	55.3	23.1	26.9	19.7	34.1
51	KINGS	86,881	10.0	11.5 *	27.6 *	10.1	45.2
52	KERN	418,921	60.3	14.4	28.0	20.7	35.2
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (3-7)			28.2			
53	SAN BERNARDINO	1,027,234	158.7	15.4	28.3	23.8	32.9
54	TRINITY	7,462	2.7	35.7 *	28.3 *	0.0	62.8
55	SISKIYOU	22,757	9.0	39.5 *	28.6 *	9.9	47.4
56	TEHAMA	31,134	9.7	31.0 *	29.6 *	10.9	48.4
57	BUTTE	108,416	33.3	30.7	29.7	19.6	39.7
58	MARIPOSA	9,505	4.7	49.1 *	33.6 *	2.8	64.5

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

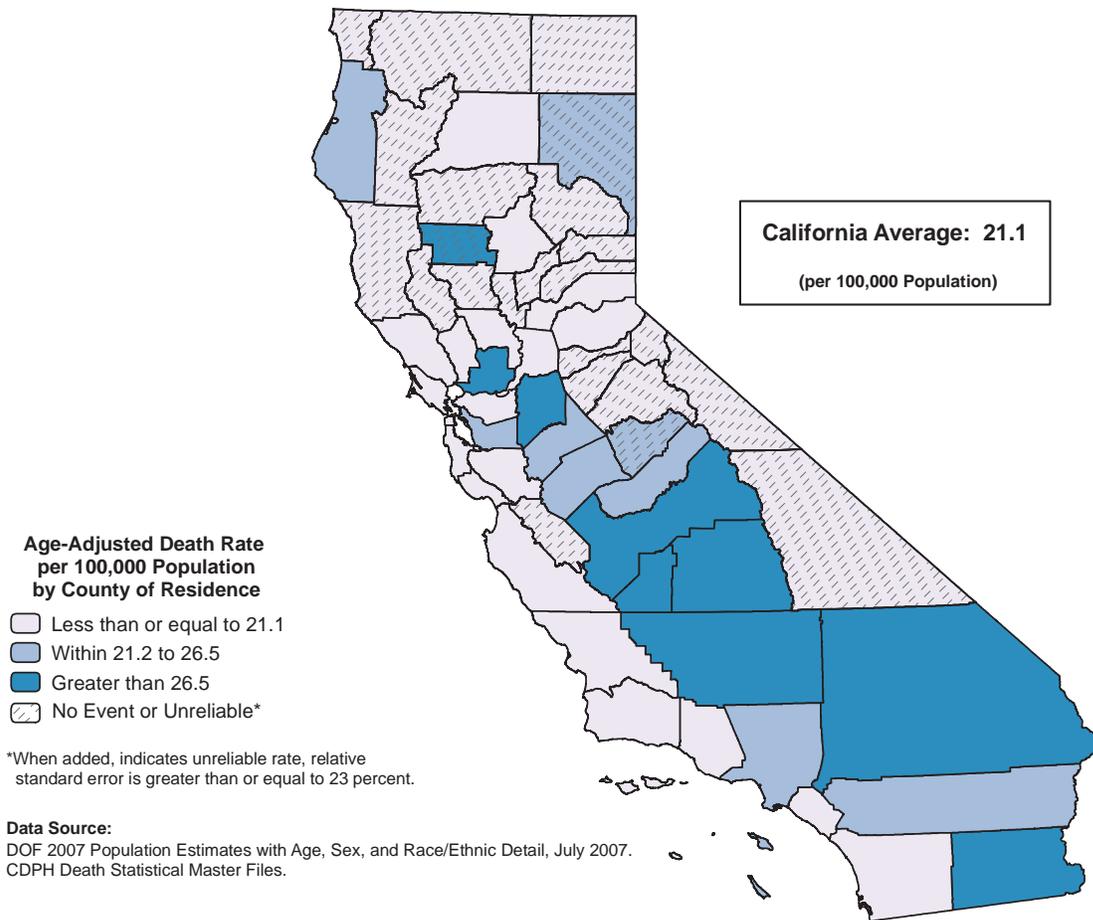
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO DIABETES, 2006-2008



The crude death rate from diabetes for California was 19.5 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 5,130 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 7,370.3 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 29.2 in San Joaquin County to 12.5 in Marin County, a factor of 2.3 to 1.

The age-adjusted death rate from diabetes for California during the 2006 through 2008 three-year period was 21.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 35.2 in San Joaquin County to 9.7 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, 2006-2008**

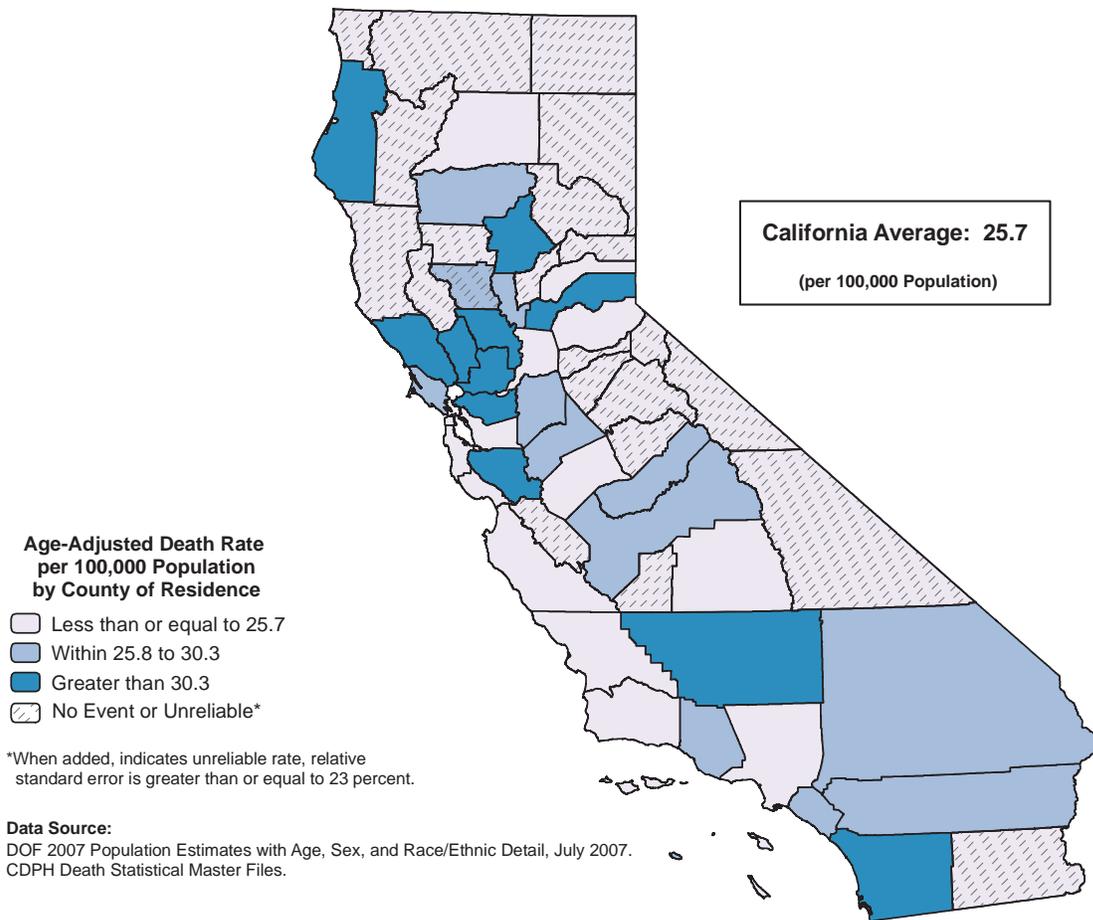
RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (5-5)					NONE		
1	MONO	14,118	0.7	4.7 *	5.1 *	0.0	18.0
2	TRINITY	14,688	1.7	11.3 *	9.5 *	0.0	25.2
3	MARIN	253,113	31.7	12.5	9.7	6.3	13.1
4	SAN LUIS OBISPO	264,485	34.3	13.0	10.1	6.7	13.5
5	CALAVERAS	46,121	8.7	18.8 *	11.0 *	3.6	18.5
6	AMADOR	38,961	7.0	18.0 *	11.6 *	3.0	20.3
7	SAN FRANCISCO	805,810	111.3	13.8	11.7	9.5	13.9
8	SAN MATEO	728,905	95.0	13.0	12.1	9.7	14.6
9	EL DORADO	180,511	24.3	13.5	12.2	7.3	17.2
10	COLUSA	22,366	2.7	11.9 *	12.6 *	0.0	27.9
11	SIERRA	3,667	0.7	18.2 *	13.1 *	0.0	44.6
12	SANTA BARBARA	423,291	60.7	14.3	13.6	10.2	17.1
13	NEVADA	100,219	18.3	18.3 *	13.7 *	7.1	20.2
14	YUBA	74,674	8.3	11.2 *	13.8 *	4.4	23.1
15	SHASTA	184,010	30.3	16.5	13.8	8.8	18.7
16	DEL NORTE	29,970	4.7	15.6 *	14.5 *	1.3	27.8
17	PLACER	327,388	55.7	17.0	14.6	10.7	18.4
18	TUOLUMNE	57,897	13.0	22.5 *	15.0 *	6.4	23.7
19	TEHAMA	62,795	11.7	18.6 *	15.3 *	6.5	24.1
20	ORANGE	3,115,411	433.0	13.9	15.6	14.2	17.1
21	LAKE	65,198	15.7	24.0 *	15.9 *	8.0	23.9
22	INYO	18,936	4.3	22.9 *	16.0 *	0.0	32.1
23	SANTA CRUZ	264,417	38.3	14.5	17.2	11.6	22.8
24	PLUMAS	21,602	6.0	27.8 *	17.2 *	3.4	31.1
25	SUTTER	95,584	16.3	17.1 *	17.3 *	8.9	25.7
26	SONOMA	483,897	90.7	18.7	17.6	13.9	21.2
27	MENDOCINO	91,139	18.7	20.5 *	17.8 *	9.6	26.0
28	BUTTE	220,376	47.7	21.6	18.1	12.9	23.3
29	SAN BENITO	59,147	8.3	14.1 *	18.3 *	5.7	30.8
30	CONTRA COSTA	1,042,804	194.0	18.6	18.5	15.8	21.1
31	ALPINE	1,331	0.3	25.0 *	18.8 *	0.0	82.7
32	VENTURA	828,983	144.3	17.4	19.1	15.9	22.2
33	MONTEREY	424,769	73.0	17.2	19.1	14.7	23.5
34	NAPA	137,125	32.0	23.3	19.2	12.4	25.9
35	SAN DIEGO	3,107,477	567.7	18.3	19.7	18.1	21.4
36	SACRAMENTO	1,408,332	263.3	18.7	19.9	17.5	22.3
37	SISKIYOU	46,408	13.7	29.4 *	20.1 *	8.9	31.3
38	YOLO	195,895	30.7	15.7	20.1	12.9	27.3
39	SANTA CLARA	1,795,449	347.7	19.4	21.0	18.7	23.2
40	MODOC	10,448	3.3	31.9 *	21.1 *	0.0	43.9
	CALIFORNIA	37,810,582	7,370.3	19.5	21.1	20.7	21.6
41	HUMBOLDT	132,512	29.7	22.4	21.3	13.5	29.0
42	ALAMEDA	1,520,763	306.0	20.1	21.5	19.1	24.0
43	RIVERSIDE	2,061,597	395.0	19.2	21.8	19.6	23.9
44	MARIPOSA	18,613	6.0	32.2 *	21.9 *	4.3	39.5
45	LASSEN	36,891	6.7	18.1 *	22.5 *	5.3	39.7
46	LOS ANGELES	10,323,161	2,168.7	21.0	23.4	22.4	24.3
47	MADERA	150,555	32.7	21.7	23.4	15.3	31.5
48	STANISLAUS	529,403	107.7	20.3	24.2	19.6	28.8
49	MERCED	255,602	49.0	19.2	26.1	18.8	33.5
50	GLENN	29,488	8.3	28.3 *	26.8 *	8.5	45.1
51	TULARE	436,661	96.7	22.1	28.7	23.0	34.5
52	SAN BERNARDINO	2,056,110	463.7	22.6	30.6	27.8	33.4
53	SOLANO	426,866	117.3	27.5	31.0	25.3	36.6
54	IMPERIAL	174,981	45.7	26.1	31.1	22.1	40.2
55	KINGS	154,154	29.3	19.0	31.9	20.2	43.7
56	FRESNO	928,311	236.7	25.5	32.1	28.0	36.3
57	KERN	817,095	200.3	24.5	33.8	29.1	38.6
58	SAN JOAQUIN	690,102	201.3	29.2	35.2	30.3	40.1

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

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

Source: California Department of Public Health: 2006-2008 Death Statistical Master Files.
Department of Finance: 2007 Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

DEATHS DUE TO ALZHEIMER'S DISEASE, 2006-2008



The crude death rate from Alzheimer's disease for California was 23.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 4,243 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 8,910.3 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 50.3 in Napa County to 8.9 in Tulare County, a factor of 5.7 to 1.

The age-adjusted death rate from Alzheimer's disease for California during the 2006 through 2008 three-year period was 25.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 40.8 in Humboldt County to 12.0 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, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE			
1	MONO	14,118	0.0	-	-	-	-
2	ALPINE	1,331	0.0	-	-	-	-
3	INYO	18,936	0.7	3.5 *	2.1 *	0.0	7.0
4	IMPERIAL	174,981	12.7	7.2 *	9.1 *	4.1	14.2
5	CALAVERAS	46,121	6.7	14.5 *	9.3 *	2.2	16.4
6	SIERRA	3,667	0.7	18.2 *	9.8 *	0.0	33.5
7	TRINITY	14,688	2.0	13.6 *	10.4 *	0.0	24.8
8	PLUMAS	21,602	3.7	17.0 *	10.7 *	0.0	21.7
9	MODOC	10,448	1.7	16.0 *	10.9 *	0.0	27.4
10	MARIPOSA	18,613	3.0	16.1 *	11.4 *	0.0	24.4
11	TULARE	436,661	38.7	8.9	12.0	8.2	15.7
12	TUOLUMNE	57,897	13.3	23.0 *	13.9 *	6.4	21.4
13	DEL NORTE	29,970	4.3	14.5 *	14.2 *	0.8	27.6
14	SAN BENITO	59,147	6.0	10.1 *	14.9 *	3.0	26.9
15	LASSEN	36,891	4.0	10.8 *	15.0 *	0.3	29.6
16	SAN LUIS OBISPO	264,485	54.3	20.5	15.0	11.0	19.0
17	MONTEREY	424,769	61.3	14.4	15.5	11.6	19.4
18	KINGS	154,154	13.0	8.4 *	15.7 *	7.1	24.2
19	NEVADA	100,219	23.7	23.6	16.7	10.0	23.5
20	MENDOCINO	91,139	19.0	20.8	17.1 *	9.4	24.9
21	SAN FRANCISCO	805,810	190.3	23.6	17.5	15.0	20.0
22	LAKE	65,198	17.3	26.6 *	18.4 *	9.7	27.0
23	SISKIYOU	46,408	14.0	30.2 *	18.4 *	8.7	28.1
24	ALAMEDA	1,520,763	273.3	18.0	19.0	16.8	21.3
25	MERCED	255,602	34.3	13.4	19.4	12.9	25.9
26	LOS ANGELES	10,323,161	1,818.7	17.6	19.7	18.8	20.7
27	YUBA	74,674	11.3	15.2 *	20.2 *	8.4	31.9
28	AMADOR	38,961	12.3	31.7 *	20.9 *	9.2	32.5
29	SANTA BARBARA	423,291	107.0	25.3	21.2	17.1	25.3
30	SANTA CRUZ	264,417	56.7	21.4	23.4	17.2	29.6
31	SAN MATEO	728,905	207.3	28.4	24.2	20.9	27.6
32	EL DORADO	180,511	46.3	25.7	24.9	17.7	32.0
33	GLENN	29,488	8.3	28.3 *	25.0 *	8.0	42.0
34	SACRAMENTO	1,408,332	322.3	22.9	25.3	22.5	28.0
35	SHASTA	184,010	56.3	30.6	25.4	18.8	32.1
	CALIFORNIA	37,810,582	8,910.3	23.6	25.7	25.2	26.2
36	VENTURA	828,983	190.0	22.9	25.8	22.1	29.5
37	COLUSA	22,366	5.7	25.3 *	26.7 *	4.6	48.8
38	SAN JOAQUIN	690,102	151.3	21.9	26.8	22.5	31.1
39	MADERA	150,555	35.7	23.7	26.9	18.0	35.7
40	SUTTER	95,584	24.7	25.8	27.3	16.5	38.1
41	TEHAMA	62,795	22.3	35.6	28.0	16.4	39.7
42	SAN BERNARDINO	2,056,110	374.0	18.2	28.4	25.5	31.3
43	MARIN	253,113	101.7	40.2	29.2	23.4	34.9
44	FRESNO	928,311	208.7	22.5	29.2	25.2	33.1
45	STANISLAUS	529,403	128.7	24.3	29.5	24.4	34.6
46	ORANGE	3,115,411	806.0	25.9	29.6	27.6	31.7
47	RIVERSIDE	2,061,597	561.3	27.2	30.3	27.8	32.8
48	BUTTE	220,376	95.7	43.4	31.4	25.0	37.7
49	CONTRA COSTA	1,042,804	325.7	31.2	31.7	28.2	35.1
50	PLACER	327,388	127.7	39.0	32.0	26.4	37.5
51	SANTA CLARA	1,795,449	530.0	29.5	32.6	29.9	35.4
52	YOLO	195,895	50.7	25.9	33.8	24.5	43.2
53	NAPA	137,125	69.0	50.3	35.0	26.6	43.4
54	SAN DIEGO	3,107,477	1,063.7	34.2	35.8	33.6	38.0
55	SONOMA	483,897	200.3	41.4	36.0	31.0	41.1
56	KERN	817,095	195.3	23.9	39.0	33.5	44.4
57	SOLANO	426,866	141.7	33.2	40.4	33.8	47.1
58	HUMBOLDT	132,512	56.0	42.3	40.8	30.1	51.5

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

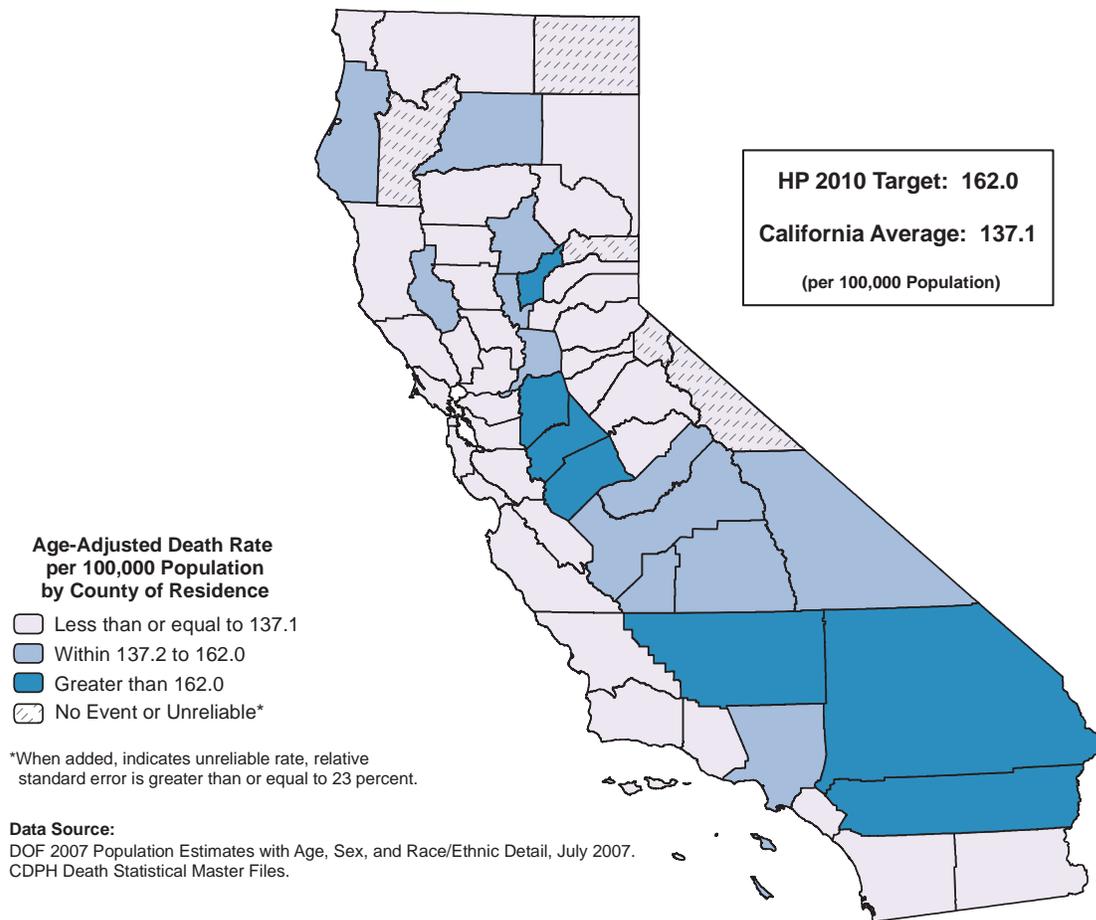
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO CORONARY HEART DISEASE, 2006-2008



The crude death rate from coronary heart disease for California was 126.7 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 789 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 47,924.7 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 234.1 in Inyo County to 61.4 in San Benito County, a factor of 3.8 to 1.

The age-adjusted death rate from coronary heart disease for California during the 2006 through 2008 three-year period was 137.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 207.5 in Kern County to 74.4 in Plumas County.

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

**TABLE 9
DEATHS DUE TO CORONARY HEART DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,118	5.7	40.1 *	41.3 *	4.9	77.6
2	ALPINE	1,331	0.7	50.1 *	59.0 *	0.0	209.5
3	PLUMAS	21,602	25.3	117.3	74.4	44.8	104.0
4	TRINITY	14,688	16.3	111.2 *	81.0 *	39.8	122.1
5	MARIN	253,113	282.0	111.4	82.4	72.6	92.1
6	SAN BENITO	59,147	36.3	61.4	84.5	56.7	112.3
7	MODOC	10,448	12.0	114.9 *	87.0 *	35.2	138.8
8	LASSEN	36,891	27.7	75.0	90.1	56.1	124.2
9	SAN MATEO	728,905	806.0	110.6	98.2	91.3	105.0
10	NAPA	137,125	177.7	129.6	99.0	84.1	113.8
11	TUOLUMNE	57,897	97.3	168.1	102.4	81.9	122.9
12	CONTRA COSTA	1,042,804	1,085.0	104.0	103.3	97.1	109.5
13	SAN LUIS OBISPO	264,485	361.0	136.5	103.4	92.7	114.1
14	SANTA CLARA	1,795,449	1,732.0	96.5	104.4	99.4	109.3
15	MONTEREY	424,769	419.3	98.7	106.9	96.6	117.1
16	YOLO	195,895	165.0	84.2	106.9	90.5	123.4
17	IMPERIAL	174,981	157.7	90.1	108.3	91.3	125.3
18	SIERRA	3,667	7.0	190.9 *	110.0 *	27.9	192.0
19	EL DORADO	180,511	217.0	120.2	110.1	95.3	124.9
20	SISKIYOU	46,408	78.3	168.8	110.5	85.7	135.4
21	SOLANO	426,866	417.3	97.8	111.9	101.0	122.7
22	SAN FRANCISCO	805,810	1,114.7	138.3	112.2	105.5	118.8
23	SANTA CRUZ	264,417	263.3	99.6	112.5	98.6	126.5
24	CALAVERAS	46,121	84.3	182.9	114.2	89.5	139.0
25	NEVADA	100,219	167.7	167.3	116.8	98.9	134.7
26	SANTA BARBARA	423,291	557.0	131.6	116.9	107.1	126.7
27	PLACER	327,388	460.3	140.6	117.6	106.8	128.4
28	ALAMEDA	1,520,763	1,696.0	111.5	118.0	112.3	123.7
29	SONOMA	483,897	641.7	132.6	119.1	109.8	128.5
30	SAN DIEGO	3,107,477	3,507.3	112.9	119.5	115.5	123.4
31	TEHAMA	62,795	90.7	144.4	119.6	94.8	144.4
32	MARIPOSA	18,613	33.3	179.1	120.3	78.8	161.8
33	GLENN	29,488	39.0	132.3	122.5	83.9	161.0
34	MENDOCINO	91,139	139.3	152.9	126.9	105.6	148.2
35	DEL NORTE	29,970	40.7	135.7	128.1	88.6	167.7
36	ORANGE	3,115,411	3,568.3	114.5	129.1	124.9	133.4
37	AMADOR	38,961	75.3	193.4	130.4	100.6	160.3
38	VENTURA	828,983	1,018.3	122.8	136.1	127.7	144.6
39	COLUSA	22,366	28.7	128.2	137.1	86.6	187.7
	CALIFORNIA	37,810,582	47,924.7	126.7	137.1	135.8	138.3
40	KINGS	154,154	129.3	83.9	141.1	116.3	165.9
41	INYO	18,936	44.3	234.1	142.9	100.1	185.7
42	BUTTE	220,376	400.3	181.7	144.3	130.0	158.6
43	SACRAMENTO	1,408,332	1,907.3	135.4	146.0	139.4	152.6
44	HUMBOLDT	132,512	204.0	153.9	146.8	126.5	167.1
45	MADERA	150,555	205.7	136.6	148.7	128.3	169.2
46	LAKE	65,198	146.3	224.4	149.8	125.2	174.4
47	TULARE	436,661	500.3	114.6	151.0	137.7	164.2
48	LOS ANGELES	10,323,161	14,056.0	136.2	151.1	148.6	153.6
49	FRESNO	928,311	1,106.0	119.1	152.0	143.0	161.0
50	SUTTER	95,584	140.3	146.8	152.1	126.9	177.3
51	SHASTA	184,010	356.0	193.5	158.8	142.2	175.3
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (12-1)				162.0		
52	YUBA	74,674	99.0	132.6	164.8	132.2	197.5
53	RIVERSIDE	2,061,597	3,050.0	147.9	166.6	160.7	172.5
54	MERCED	255,602	316.3	123.8	170.7	151.8	189.6
55	SAN JOAQUIN	690,102	1,017.3	147.4	178.1	167.1	189.0
56	SAN BERNARDINO	2,056,110	2,623.0	127.6	182.8	175.7	189.8
57	STANISLAUS	529,403	827.3	156.3	187.1	174.3	199.9
58	KERN	817,095	1,143.0	139.9	207.5	195.4	219.7

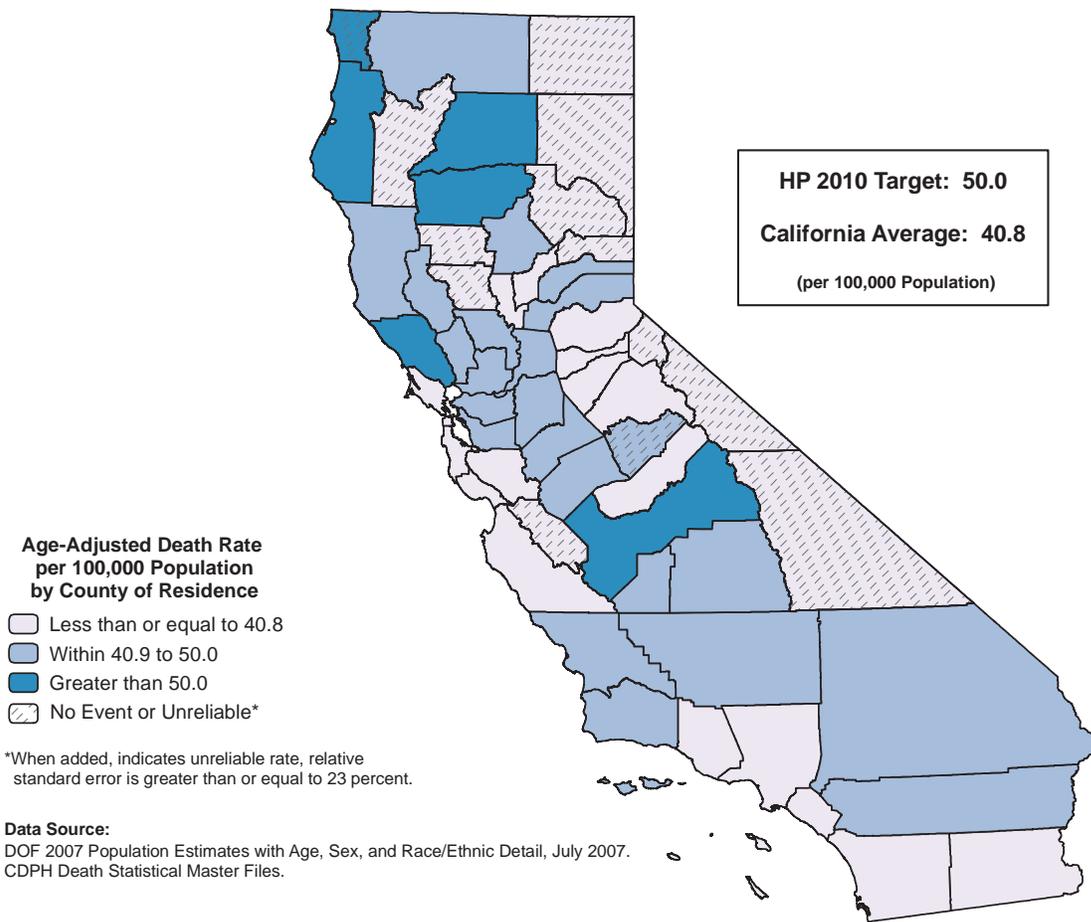
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE), 2006-2008



The crude death rate from cerebrovascular disease for California was 37.5 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,667 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 14,175.7 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 68.0 in Lake County to 28.5 in Kings and Santa Clara Counties, a factor of 2.4 to 1.

The age-adjusted death rate from cerebrovascular disease for California during the 2006 through 2008 three-year period was 40.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 63.9 in Humboldt County to 26.6 in Calaveras County.

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

TABLE 10
DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE)
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,331	0.0	-	-	-	-
2	MONO	14,118	1.0	7.1 *	9.0 *	0.0	27.7
3	COLUSA	22,366	4.3	19.4 *	21.2 *	1.1	41.4
4	INYO	18,936	7.3	38.7 *	22.5 *	6.1	38.9
5	SIERRA	3,667	1.3	36.4 *	23.1 *	0.0	62.6
6	LASSEN	36,891	7.3	19.9 *	26.2 *	7.1	45.3
7	PLUMAS	21,602	8.7	40.1 *	26.4 *	8.0	44.7
8	CALAVERAS	46,121	20.0	43.4	26.6	14.9	38.3
9	MODOC	10,448	4.3	41.5 *	28.5 *	1.5	55.6
10	EL DORADO	180,511	54.7	30.3	28.7	21.0	36.3
11	SANTA CLARA	1,795,449	512.0	28.5	31.2	28.5	34.0
12	TUOLUMNE	57,897	32.3	55.8	34.1	22.2	46.0
13	GLENN	29,488	11.0	37.3 *	34.7 *	14.0	55.3
14	SANTA CRUZ	264,417	82.7	31.3	35.9	28.0	43.8
15	SAN MATEO	728,905	298.3	40.9	36.4	32.2	40.6
16	MONTEREY	424,769	143.3	33.7	36.5	30.5	42.5
17	LOS ANGELES	10,323,161	3,409.0	33.0	36.9	35.6	38.1
18	AMADOR	38,961	21.3	54.8	37.0	21.1	52.8
19	SAN FRANCISCO	805,810	373.3	46.3	37.3	33.5	41.1
20	IMPERIAL	174,981	53.7	30.7	37.3	27.3	47.4
21	MARIN	253,113	127.0	50.2	37.6	30.9	44.2
22	SUTTER	95,584	34.3	35.9	37.6	25.0	50.2
23	SAN DIEGO	3,107,477	1,130.0	36.4	38.7	36.4	40.9
24	VENTURA	828,983	289.7	34.9	38.7	34.2	43.2
25	YUBA	74,674	23.3	31.2	39.2	23.2	55.1
26	SAN BENITO	59,147	16.7	28.2 *	39.3 *	20.3	58.3
27	MADERA	150,555	55.0	36.5	40.1	29.4	50.8
28	ORANGE	3,115,411	1,108.3	35.6	40.3	37.9	42.7
29	TRINITY	14,688	8.3	56.7 *	40.6 *	12.9	68.3
	CALIFORNIA	37,810,582	14,175.7	37.5	40.8	40.1	41.5
30	MARIPOSA	18,613	11.0	59.1 *	41.6 *	16.6	66.5
31	SISKIYOU	46,408	30.7	66.1	41.7	26.9	56.5
32	SANTA BARBARA	423,291	201.7	47.6	41.9	36.0	47.7
33	ALAMEDA	1,520,763	599.7	39.4	41.9	38.5	45.3
34	MENDOCINO	91,139	45.0	49.4	42.2	29.7	54.7
35	NAPA	137,125	78.7	57.4	43.2	33.4	52.9
36	RIVERSIDE	2,061,597	812.7	39.4	44.4	41.3	47.4
37	SAN BERNARDINO	2,056,110	634.7	30.9	44.4	40.9	47.9
38	SOLANO	426,866	167.3	39.2	45.5	38.5	52.5
39	SAN LUIS OBISPO	264,485	163.7	61.9	45.7	38.7	52.8
40	CONTRA COSTA	1,042,804	474.7	45.5	45.9	41.7	50.0
41	LAKE	65,198	44.3	68.0	46.2	32.5	59.8
42	YOLO	195,895	69.7	35.6	46.3	35.4	57.3
43	NEVADA	100,219	66.7	66.5	47.0	35.5	58.4
44	STANISLAUS	529,403	208.3	39.4	47.3	40.8	53.7
45	SAN JOAQUIN	690,102	272.7	39.5	47.4	41.7	53.0
46	PLACER	327,388	185.7	56.7	47.4	40.6	54.3
47	SACRAMENTO	1,408,332	624.0	44.3	48.2	44.4	52.0
48	KINGS	154,154	44.0	28.5	48.7	34.1	63.4
49	BUTTE	220,376	140.0	63.5	48.8	40.6	57.0
50	KERN	817,095	271.7	33.2	49.1	43.2	55.1
51	TULARE	436,661	165.0	37.8	49.6	42.0	57.2
52	MERCED	255,602	90.7	35.5	49.6	39.4	59.9
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (12-7)				50.0		
53	SHASTA	184,010	110.7	60.1	50.1	40.8	59.5
54	TEHAMA	62,795	39.7	63.2	51.8	35.6	68.1
55	SONOMA	483,897	288.0	59.5	53.6	47.3	59.9
56	FRESNO	928,311	392.0	42.2	54.3	48.9	59.7
57	DEL NORTE	29,970	17.0	56.7 *	55.4 *	29.0	81.8
58	HUMBOLDT	132,512	87.3	65.9	63.9	50.4	77.4

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

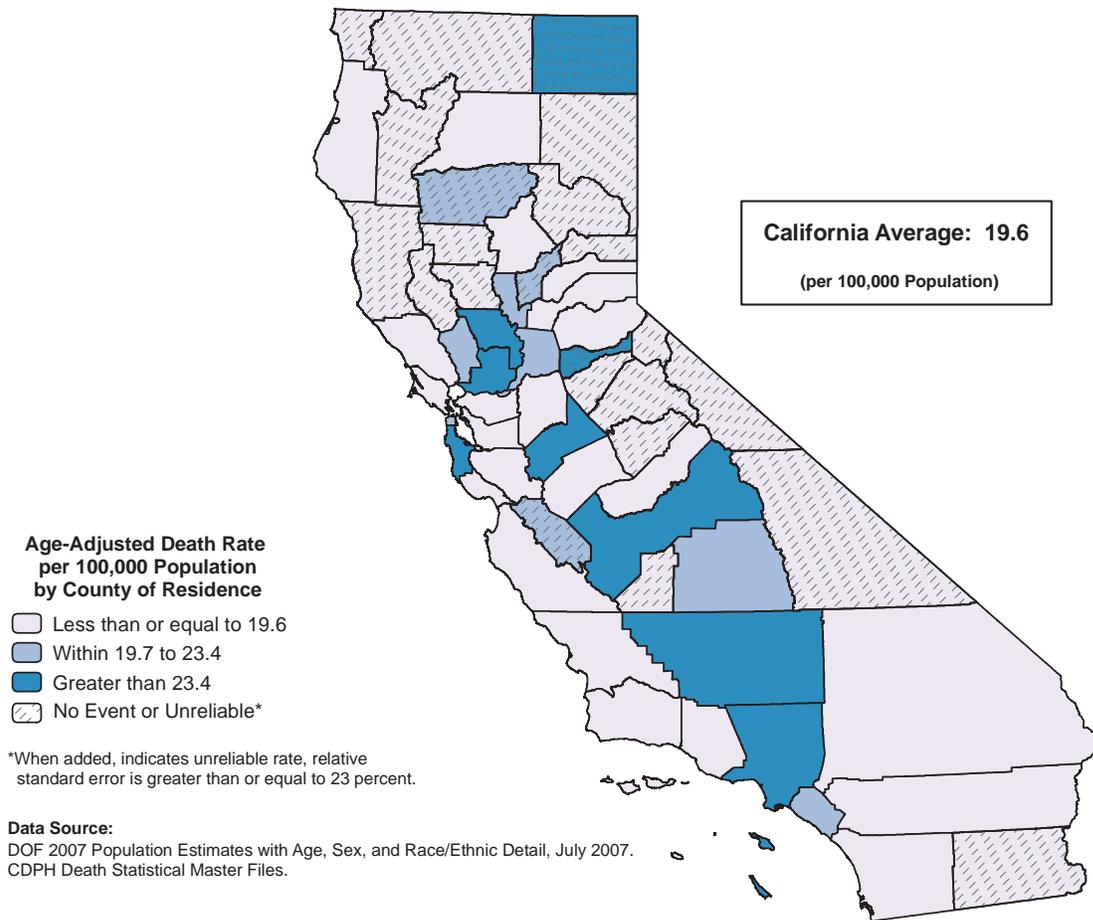
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO INFLUENZA/PNEUMONIA, 2006-2008



The crude death rate from influenza/pneumonia for California was 18.0 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 5,553 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 6,809.0 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 28.3 in San Francisco County to 11.0 in San Diego County, a factor of 2.6 to 1.

The age-adjusted death rate from influenza/pneumonia for California during the 2006 through 2008 three-year period was 19.6 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 33.0 in Yolo County to 11.5 in San Diego County.

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

**TABLE 11
DEATHS DUE TO INFLUENZA/PNEUMONIA
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE			
1	MONO	14,118	0.0	-	-	-	-
2	ALPINE	1,331	0.0	-	-	-	-
3	COLUSA	22,366	1.3	6.0 *	5.7 *	0.0	15.3
4	LASSEN	36,891	1.7	4.5 *	5.8 *	0.0	14.6
5	SIERRA	3,667	0.3	9.1 *	6.6 *	0.0	28.8
6	INYO	18,936	3.7	19.4 *	11.3 *	0.0	23.0
7	SAN DIEGO	3,107,477	340.3	11.0	11.5	10.3	12.7
8	DEL NORTE	29,970	3.7	12.2 *	11.5 *	0.0	23.4
9	IMPERIAL	174,981	17.0	9.7 *	11.7 *	6.1	17.3
10	PLUMAS	21,602	4.0	18.5 *	11.7 *	0.2	23.2
11	SAN LUIS OBISPO	264,485	41.0	15.5	11.8	8.1	15.5
12	MARIPOSA	18,613	3.3	17.9 *	12.3 *	0.0	25.6
13	MONTEREY	424,769	49.3	11.6	12.4	8.9	15.9
14	SANTA BARBARA	423,291	63.7	15.0	13.1	9.9	16.4
15	EL DORADO	180,511	25.7	14.2	13.4	8.2	18.7
16	SANTA CRUZ	264,417	32.3	12.2	13.6	8.8	18.5
17	MENDOCINO	91,139	15.3	16.8 *	14.0 *	6.9	21.0
18	VENTURA	828,983	105.0	12.7	14.2	11.4	16.9
19	MARIN	253,113	52.3	20.7	14.8	10.7	18.9
20	PLACER	327,388	58.3	17.8	15.1	11.2	18.9
21	RIVERSIDE	2,061,597	277.7	13.5	15.1	13.3	16.9
22	MERCED	255,602	29.7	11.6	16.0	10.2	21.8
23	SISKIYOU	46,408	11.7	25.1 *	16.4 *	6.9	25.8
24	NEVADA	100,219	23.3	23.3	16.4	9.7	23.0
25	TRINITY	14,688	3.3	22.7 *	16.4 *	0.0	34.1
26	CONTRA COSTA	1,042,804	171.0	16.4	16.4	13.9	18.9
27	ALAMEDA	1,520,763	237.7	15.6	16.5	14.4	18.7
28	HUMBOLDT	132,512	23.3	17.6	16.8	10.0	23.7
29	KINGS	154,154	16.0	10.4 *	17.5 *	8.7	26.3
30	BUTTE	220,376	50.3	22.8	17.5	12.6	22.4
31	TUOLUMNE	57,897	16.0	27.6 *	17.7 *	8.7	26.7
32	LAKE	65,198	17.0	26.1 *	17.8 *	9.3	26.3
33	MADERA	150,555	24.3	16.2	18.0	10.8	25.2
34	SAN JOAQUIN	690,102	103.3	15.0	18.0	14.5	21.5
35	SANTA CLARA	1,795,449	299.7	16.7	18.4	16.3	20.5
36	CALAVERAS	46,121	13.7	29.6 *	18.6 *	8.7	28.5
37	SONOMA	483,897	102.0	21.1	18.8	15.1	22.5
38	SHASTA	184,010	43.0	23.4	19.3	13.5	25.1
39	SAN BERNARDINO	2,056,110	273.0	13.3	19.3	17.0	21.7
40	GLENN	29,488	6.3	21.5 *	19.5 *	4.3	34.8
	CALIFORNIA	37,810,582	6,809.0	18.0	19.6	19.1	20.1
41	NAPA	137,125	37.7	27.5	19.8	13.4	26.3
42	ORANGE	3,115,411	562.0	18.0	20.6	18.9	22.3
43	SUTTER	95,584	19.3	20.2	21.1	11.7	30.5
44	SAN FRANCISCO	805,810	227.7	28.3	21.8	19.0	24.7
45	YUBA	74,674	12.7	17.0 *	21.8 *	9.8	33.9
46	SAN BENITO	59,147	9.3	15.8 *	21.9 *	7.7	36.1
47	TULARE	436,661	75.7	17.3	22.5	17.4	27.7
48	TEHAMA	62,795	17.7	28.1 *	22.7 *	12.1	33.3
49	SACRAMENTO	1,408,332	300.7	21.3	23.3	20.6	25.9
50	STANISLAUS	529,403	104.0	19.6	23.5	19.0	28.1
51	SAN MATEO	728,905	200.0	27.4	24.0	20.6	27.3
52	FRESNO	928,311	176.7	19.0	24.1	20.5	27.7
53	LOS ANGELES	10,323,161	2,211.0	21.4	24.1	23.1	25.1
54	KERN	817,095	132.7	16.2	24.2	20.0	28.4
55	MODOC	10,448	4.0	38.3 *	25.4 *	0.5	50.3
56	SOLANO	426,866	91.7	21.5	25.5	20.3	30.8
57	AMADOR	38,961	15.3	39.4 *	26.7 *	13.1	40.4
58	YOLO	195,895	50.3	25.7	33.0	23.8	42.2

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

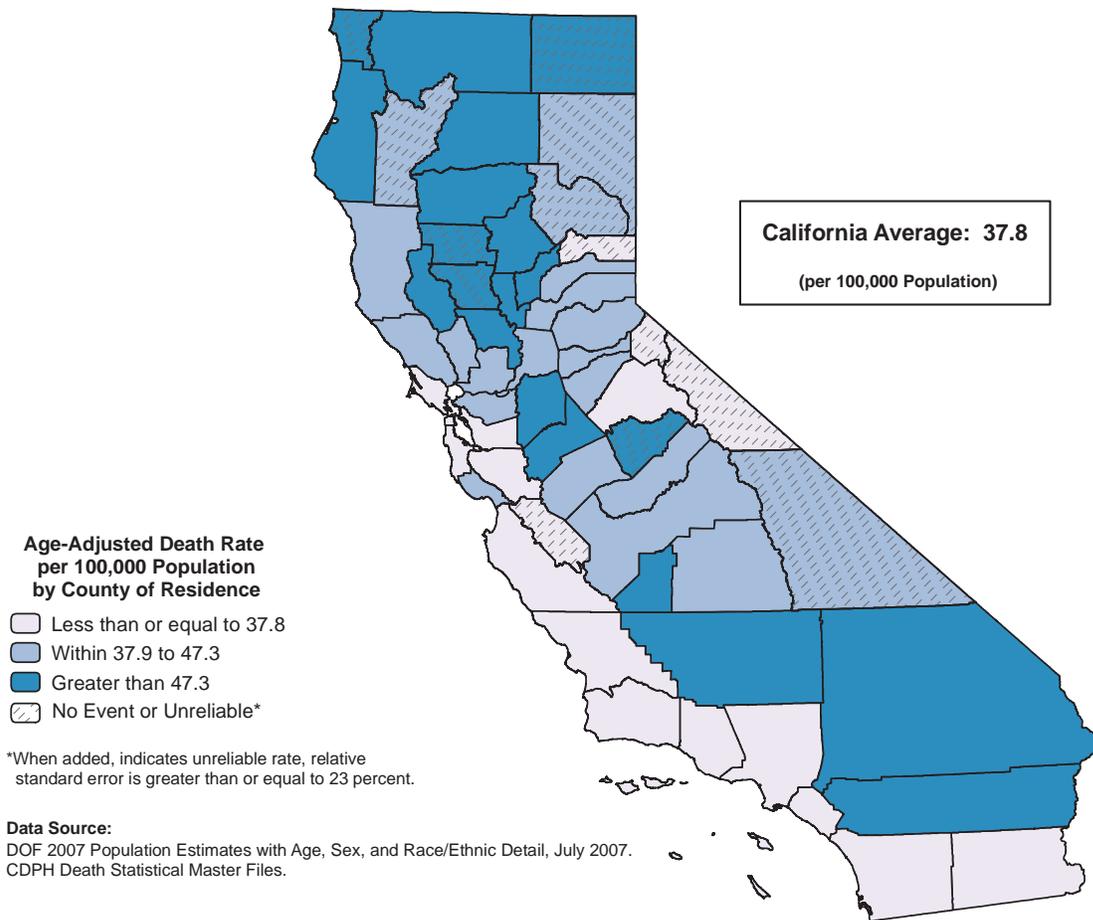
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO CHRONIC LOWER RESPIRATORY DISEASE, 2006-2008



The crude death rate from chronic lower respiratory disease deaths for California was 34.1 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 2,935 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 12,883.3 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 93.6 in Lake County to 23.0 in Santa Clara County, a factor of 4.1 to 1.

The age-adjusted death rate from chronic lower respiratory disease deaths for California during the 2006 through 2008 three-year period was 37.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 71.9 in Tehama County to 24.0 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, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE			
1	MONO	14,118	0.0	-	-	-	-
2	ALPINE	1,331	0.0	-	-	-	-
3	SIERRA	3,667	1.3	36.4 *	22.8 *	0.0	61.9
4	SAN FRANCISCO	805,810	231.3	28.7	24.0	20.9	27.2
5	SANTA CLARA	1,795,449	413.3	23.0	25.7	23.2	28.2
6	SAN MATEO	728,905	222.0	30.5	28.3	24.5	32.0
7	MARIN	253,113	97.3	38.5	29.4	23.5	35.3
8	IMPERIAL	174,981	43.3	24.8	29.5	20.7	38.4
9	SANTA BARBARA	423,291	143.3	33.9	30.5	25.5	35.6
10	SAN BENITO	59,147	13.0	22.0 *	30.6 *	13.8	47.4
11	ALAMEDA	1,520,763	426.3	28.0	30.8	27.9	33.8
12	MONTEREY	424,769	118.3	27.9	30.9	25.3	36.5
13	LOS ANGELES	10,323,161	2,881.0	27.9	31.8	30.6	33.0
14	TUOLUMNE	57,897	31.3	54.1	32.5	21.1	43.9
15	ORANGE	3,115,411	893.0	28.7	33.4	31.2	35.6
16	SAN LUIS OBISPO	264,485	117.7	44.5	34.4	28.2	40.7
17	SAN DIEGO	3,107,477	1,037.7	33.4	36.5	34.3	38.7
18	VENTURA	828,983	269.0	32.4	36.9	32.4	41.3
	CALIFORNIA	37,810,582	12,883.3	34.1	37.8	37.2	38.5
19	EL DORADO	180,511	75.0	41.5	38.3	29.5	47.1
20	SANTA CRUZ	264,417	82.0	31.0	38.3	29.9	46.8
21	CONTRA COSTA	1,042,804	391.7	37.6	38.3	34.5	42.2
22	PLUMAS	21,602	13.3	61.7 *	39.4 *	18.1	60.6
23	SONOMA	483,897	200.3	41.4	39.5	34.0	45.1
24	LASSEN	36,891	11.7	31.6 *	39.8 *	16.8	62.8
25	CALAVERAS	46,121	30.7	66.5	40.4	26.0	54.9
26	SOLANO	426,866	148.3	34.7	41.1	34.4	47.8
27	NAPA	137,125	72.7	53.0	41.5	31.8	51.2
28	PLACER	327,388	161.0	49.2	42.0	35.5	48.5
29	NEVADA	100,219	60.3	60.2	42.3	31.6	53.0
30	MENDOCINO	91,139	45.3	49.7	42.4	30.0	54.8
31	MADERA	150,555	58.3	38.7	42.8	31.7	53.8
32	INYO	18,936	13.0	68.7 *	42.8 *	19.4	66.2
33	FRESNO	928,311	307.3	33.1	42.8	38.0	47.7
34	TRINITY	14,688	9.3	63.5 *	42.9 *	15.2	70.6
35	SACRAMENTO	1,408,332	546.3	38.8	42.9	39.3	46.5
36	AMADOR	38,961	27.0	69.3	44.8	27.9	61.7
37	TULARE	436,661	151.0	34.6	45.5	38.2	52.8
38	MERCED	255,602	85.7	33.5	47.2	37.1	57.2
39	MARIPOSA	18,613	13.3	71.6 *	47.5 *	21.8	73.1
40	YOLO	195,895	72.0	36.8	47.8	36.7	58.9
41	SAN JOAQUIN	690,102	271.0	39.3	47.9	42.2	53.7
42	KINGS	154,154	44.0	28.5	48.8	34.2	63.4
43	COLUSA	22,366	10.0	44.7 *	49.4 *	18.6	80.2
44	STANISLAUS	529,403	220.3	41.6	50.5	43.8	57.1
45	SUTTER	95,584	46.7	48.8	50.6	36.1	65.2
46	MODOC	10,448	7.7	73.4 *	51.1 *	14.8	87.3
47	GLENN	29,488	16.3	55.4 *	51.8 *	26.6	77.0
48	RIVERSIDE	2,061,597	935.7	45.4	51.9	48.5	55.2
49	SISKIYOU	46,408	37.3	80.4	52.4	35.5	69.3
50	SAN BERNARDINO	2,056,110	807.7	39.3	57.1	53.1	61.1
51	BUTTE	220,376	157.3	71.4	58.6	49.4	67.9
52	DEL NORTE	29,970	18.7	62.3 *	60.2 *	32.8	87.6
53	LAKE	65,198	61.0	93.6	60.9	45.5	76.3
54	HUMBOLDT	132,512	85.0	64.1	61.8	48.6	75.0
55	YUBA	74,674	41.0	54.9	68.3	47.3	89.2
56	KERN	817,095	393.0	48.1	70.8	63.7	77.8
57	SHASTA	184,010	160.3	87.1	71.3	60.3	82.4
58	TEHAMA	62,795	55.3	88.1	71.9	52.9	90.9

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

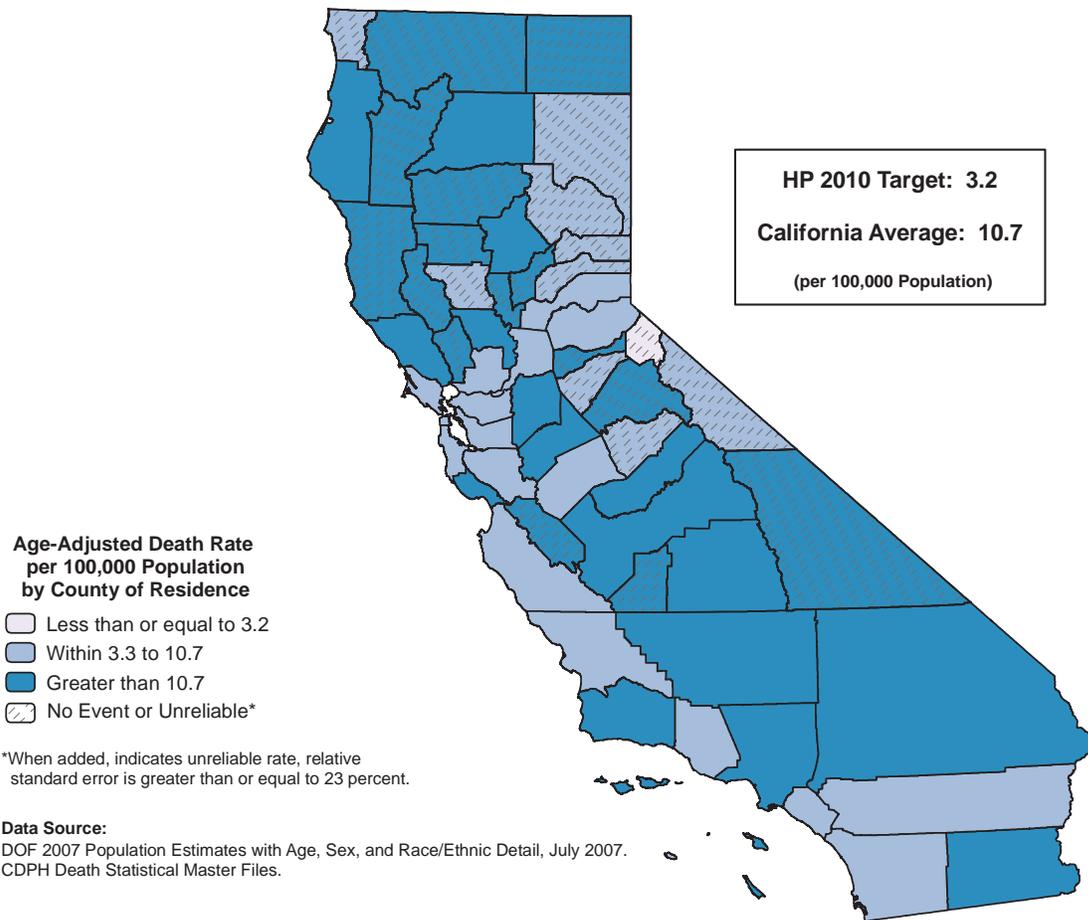
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

Note: Counties were ranked 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: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS, 2006-2008



The crude death rate from chronic liver disease and cirrhosis for California was 10.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 9,437 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 4,006.7 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 30.7 in Lake County to 7.8 in Placer County, a factor of 3.9 to 1.

The age-adjusted death rate from chronic liver disease and cirrhosis for California during the 2006 through 2008 three-year period was 10.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 17.1 in Shasta County to 6.7 in Placer County.

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

**TABLE 13
DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,331	0.0	-	-	-	-
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (26-2)					3.2		
2	SIERRA	3,667	0.3	9.1 *	4.8 *	0.0	20.9
3	MONO	14,118	0.7	4.7 *	5.9 *	0.0	21.1
4	PLUMAS	21,602	2.0	9.3 *	6.6 *	0.0	15.8
5	PLACER	327,388	25.7	7.8	6.7	4.1	9.3
6	LASSEN	36,891	3.0	8.1 *	7.4 *	0.0	15.9
7	MARIPOSA	18,613	2.0	10.7 *	7.7 *	0.0	19.2
8	MARIN	253,113	24.7	9.7	7.7	4.6	10.9
9	SOLANO	426,866	34.3	8.0	7.8	5.1	10.5
10	COLUSA	22,366	1.7	7.5 *	7.8 *	0.0	19.7
11	NEVADA	100,219	11.7	11.6 *	7.8 *	3.3	12.4
12	SAN FRANCISCO	805,810	71.0	8.8	7.9	6.0	9.7
13	SANTA CLARA	1,795,449	151.0	8.4	8.2	6.8	9.5
14	CONTRA COSTA	1,042,804	98.7	9.5	8.6	6.9	10.3
15	EL DORADO	180,511	20.3	11.3	8.7	4.9	12.6
16	ALAMEDA	1,520,763	140.0	9.2	8.8	7.4	10.3
17	SAN MATEO	728,905	73.7	10.1	9.2	7.1	11.3
18	ORANGE	3,115,411	284.0	9.1	9.3	8.2	10.4
19	VENTURA	828,983	79.7	9.6	9.4	7.3	11.4
20	DEL NORTE	29,970	3.0	10.0 *	9.5 *	0.0	20.4
21	SAN DIEGO	3,107,477	300.3	9.7	9.8	8.6	10.9
22	CALAVERAS	46,121	7.0	15.2 *	9.9 *	1.9	17.9
23	SAN LUIS OBISPO	264,485	30.0	11.3	9.9	6.2	13.6
24	MERCED	255,602	20.7	8.1	10.0	5.6	14.3
25	MONTEREY	424,769	39.7	9.3	10.0	6.9	13.2
26	RIVERSIDE	2,061,597	197.3	9.6	10.5	9.1	12.0
27	SACRAMENTO	1,408,332	150.7	10.7	10.7	8.9	12.4
CALIFORNIA		37,810,582	4,006.7	10.6	10.7	10.4	11.0
28	NAPA	137,125	17.7	12.9 *	11.1 *	5.8	16.3
29	LOS ANGELES	10,323,161	1,122.7	10.9	11.1	10.5	11.8
30	SONOMA	483,897	62.3	12.9	11.6	8.6	14.5
31	AMADOR	38,961	6.0	15.4 *	11.8 *	2.2	21.3
32	STANISLAUS	529,403	55.7	10.5	11.8	8.7	14.9
33	BUTTE	220,376	28.3	12.9	11.8	7.4	16.2
34	SANTA BARBARA	423,291	51.0	12.0	11.8	8.5	15.1
35	SAN BENITO	59,147	6.3	10.7 *	11.8 *	2.4	21.2
36	KINGS	154,154	14.3	9.3 *	11.9 *	5.6	18.1
37	SUTTER	95,584	11.3	11.9 *	12.2 *	5.0	19.3
38	MODOC	10,448	1.7	16.0 *	12.7 *	0.0	32.1
39	SAN BERNARDINO	2,056,110	226.0	11.0	12.8	11.1	14.5
40	YOLO	195,895	22.3	11.4	13.0	7.5	18.5
41	SANTA CRUZ	264,417	36.3	13.7	13.1	8.7	17.5
42	IMPERIAL	174,981	21.7	12.4	13.5	7.8	19.2
43	FRESNO	928,311	107.7	11.6	13.6	11.0	16.2
44	MADERA	150,555	20.3	13.5	13.6	7.6	19.5
45	TUOLUMNE	57,897	11.7	20.2 *	14.1 *	5.7	22.5
46	KERN	817,095	102.3	12.5	14.9	12.0	17.9
47	GLENN	29,488	4.3	14.7 *	14.9 *	0.7	29.2
48	SAN JOAQUIN	690,102	95.0	13.8	15.5	12.3	18.6
49	HUMBOLDT	132,512	23.7	17.9	15.8	9.3	22.3
50	YUBA	74,674	10.7	14.3 *	16.3 *	6.5	26.2
51	TULARE	436,661	61.3	14.0	16.7	12.5	20.9
52	SHASTA	184,010	37.7	20.5	17.1	11.5	22.7
53	MENDOCINO	91,139	18.7	20.5 *	17.1 *	9.0	25.1
54	TEHAMA	62,795	12.7	20.2 *	18.2 *	8.0	28.4
55	TRINITY	14,688	3.7	25.0 *	19.0 *	0.0	39.6
56	LAKE	65,198	20.0	30.7	21.9 *	11.9	31.9
57	SISKIYOU	46,408	13.7	29.4 *	25.4 *	10.8	40.0
58	INYO	18,936	6.7	35.2 *	26.9 *	5.3	48.5

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

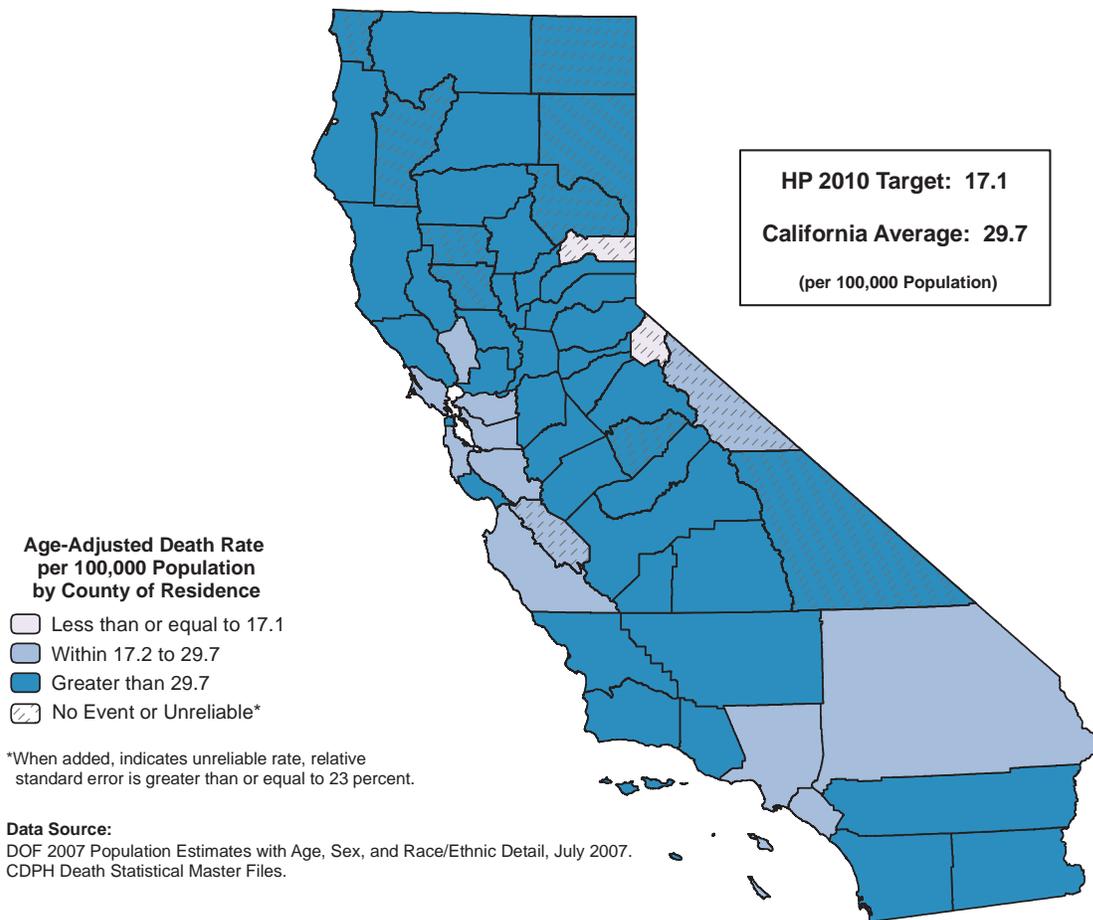
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES), 2006-2008



The crude death rate from accidents (unintentional injuries) for California was 29.4 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 3,403 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 11,109.7 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 78.2 in Lake County to 21.8 in Los Angeles County, a factor of 3.6 to 1.

The age-adjusted death rate from accidents for California during the 2006 through 2008 three-year period was 29.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 74.9 in Humboldt County to 20.4 in Marin County.

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

TABLE 14
DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES)
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,331	0.0	-	-	-	-
2	SIERRA	3,667	0.7	18.2 *	12.7 *	0.0	44.3
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-13)						17.1	
3	MONO	14,118	3.0	21.2 *	18.3 *	0.0	39.5
4	MARIN	253,113	59.3	23.4	20.4	15.0	25.9
5	SAN BENITO	59,147	11.3	19.2 *	21.0 *	8.6	33.5
6	SAN MATEO	728,905	169.3	23.2	21.6	18.3	24.9
7	LOS ANGELES	10,323,161	2,252.0	21.8	22.3	21.4	23.2
8	ORANGE	3,115,411	687.3	22.1	22.5	20.8	24.1
9	SANTA CLARA	1,795,449	396.0	22.1	22.6	20.3	24.8
10	CONTRA COSTA	1,042,804	271.3	26.0	25.5	22.4	28.5
11	ALAMEDA	1,520,763	425.0	27.9	27.5	24.9	30.2
12	SAN BERNARDINO	2,056,110	546.3	26.6	28.6	26.2	31.1
13	NAPA	137,125	43.7	31.8	28.9	20.1	37.7
14	MONTEREY	424,769	119.7	28.2	29.3	24.0	34.6
CALIFORNIA		37,810,582	11,109.7	29.4	29.7	29.2	30.3
15	SAN DIEGO	3,107,477	950.3	30.6	30.5	28.6	32.5
16	SONOMA	483,897	157.0	32.4	30.9	25.9	35.8
17	SOLANO	426,866	128.7	30.1	30.9	25.5	36.3
18	VENTURA	828,983	255.0	30.8	31.3	27.4	35.2
19	SANTA BARBARA	423,291	139.7	33.0	31.4	26.2	36.6
20	PLACER	327,388	107.0	32.7	32.3	26.0	38.6
21	YOLO	195,895	58.3	29.8	32.5	24.0	41.0
22	SANTA CRUZ	264,417	90.7	34.3	34.2	27.0	41.4
23	SAN FRANCISCO	805,810	316.0	39.2	34.7	30.8	38.7
24	COLUSA	22,366	7.7	34.3 *	34.9 *	9.9	59.9
25	RIVERSIDE	2,061,597	707.7	34.3	35.6	33.0	38.3
26	IMPERIAL	174,981	64.7	37.0	36.4	27.2	45.6
27	SACRAMENTO	1,408,332	512.0	36.4	36.7	33.5	39.9
28	SAN LUIS OBISPO	264,485	106.0	40.1	37.7	30.3	45.2
29	PLUMAS	21,602	9.0	41.7 *	38.7 *	11.1	66.3
30	KINGS	154,154	56.7	36.8	39.9	29.0	50.9
31	SUTTER	95,584	36.3	38.0	39.9	26.8	53.1
32	NEVADA	100,219	46.0	45.9	40.6	27.8	53.5
33	FRESNO	928,311	352.0	37.9	41.2	36.9	45.6
34	INYO	18,936	8.7	45.8 *	42.0 *	11.3	72.8
35	TULARE	436,661	171.3	39.2	42.2	35.7	48.6
36	MERCED	255,602	96.7	37.8	42.4	33.8	51.0
37	MADERA	150,555	64.7	43.0	44.1	33.3	55.0
38	LASSEN	36,891	16.3	44.3 *	44.6 *	22.5	66.8
39	SAN JOAQUIN	690,102	285.3	41.3	45.0	39.7	50.3
40	EL DORADO	180,511	84.0	46.5	45.6	35.3	56.0
41	STANISLAUS	529,403	232.0	43.8	47.5	41.4	53.7
42	CALAVERAS	46,121	26.0	56.4	48.3	27.5	69.1
43	KERN	817,095	361.3	44.2	48.3	43.2	53.4
44	TEHAMA	62,795	32.0	51.0	49.3	31.8	66.7
45	MARIPOSA	18,613	10.0	53.7 *	49.4 *	16.6	82.3
46	AMADOR	38,961	22.0	56.5	49.5	27.6	71.5
47	MENDOCINO	91,139	48.3	53.0	50.8	36.0	65.7
48	TUOLUMNE	57,897	34.7	59.9	52.7	33.7	71.6
49	SHASTA	184,010	107.7	58.5	55.9	45.0	66.8
50	DEL NORTE	29,970	19.0	63.4	59.1 *	32.3	85.8
51	GLENN	29,488	17.7	59.9 *	59.6 *	31.4	87.8
52	BUTTE	220,376	141.0	64.0	60.6	50.4	70.9
53	MODOC	10,448	5.3	51.0 *	61.7 *	6.8	116.6
54	SISKIYOU	46,408	32.7	70.4	64.5	40.7	88.3
55	YUBA	74,674	45.0	60.3	65.0	45.7	84.2
56	LAKE	65,198	51.0	78.2	68.0	48.0	88.0
57	TRINITY	14,688	10.0	68.1 *	72.9 *	23.0	122.8
58	HUMBOLDT	132,512	101.3	76.5	74.9	60.1	89.8

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

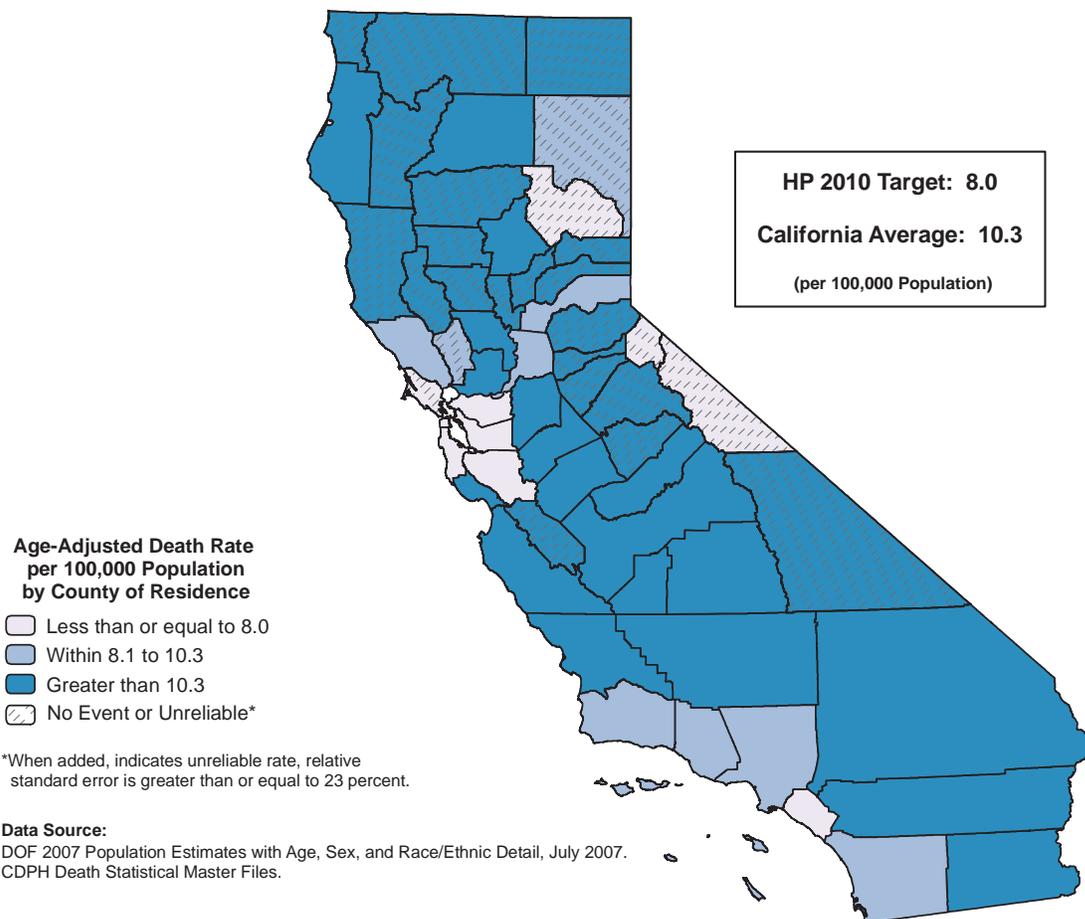
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

Note: Counties were ranked 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: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO MOTOR VEHICLE TRAFFIC CRASHES, 2006-2008



The crude death rate from motor vehicle traffic crashes for California was 10.3 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 9,698 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 3,898.7 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 22.4 in Madera County to 5.6 in San Mateo County, a factor of 4.0 to 1.

The age-adjusted death rate from motor vehicle traffic crashes for California during the 2006 through 2008 three-year period was 10.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 23.0 in Madera County to 5.6 in San Francisco and San Mateo Counties.

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

TABLE 15
DEATHS DUE TO MOTOR VEHICLE TRAFFIC CRASHES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,331	0.0	-	-	-	-
2	MONO	14,118	0.7	4.7 *	3.9 *	0.0	13.2
3	MARIN	253,113	11.7	4.6 *	4.5 *	1.8	7.2
4	SAN FRANCISCO	805,810	46.0	5.7	5.6	3.9	7.3
5	SAN MATEO	728,905	41.0	5.6	5.6	3.9	7.4
6	SANTA CLARA	1,795,449	115.7	6.4	6.6	5.4	7.9
7	ALAMEDA	1,520,763	104.7	6.9	6.9	5.6	8.2
8	ORANGE	3,115,411	219.3	7.0	7.1	6.2	8.0
9	PLUMAS	21,602	1.7	7.7 *	7.5 *	0.0	19.7
10	CONTRA COSTA	1,042,804	82.3	7.9	7.7	6.0	9.4
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-15a)					8.0		
11	LOS ANGELES	10,323,161	871.7	8.4	8.6	8.0	9.2
12	PLACER	327,388	28.0	8.6	8.8	5.4	12.2
13	LASSEN	36,891	3.7	9.9 *	9.3 *	0.0	19.1
14	SANTA BARBARA	423,291	41.0	9.7	9.4	6.5	12.3
15	SAN DIEGO	3,107,477	298.3	9.6	9.6	8.5	10.7
16	NAPA	137,125	13.0	9.5 *	9.7 *	4.4	15.0
17	SACRAMENTO	1,408,332	139.7	9.9	9.8	8.2	11.5
18	VENTURA	828,983	82.0	9.9	9.9	7.7	12.0
19	SONOMA	483,897	49.3	10.2	9.9	7.1	12.8
CALIFORNIA		37,810,582	3,898.7	10.3	10.3	10.0	10.6
20	SANTA CRUZ	264,417	28.3	10.7	10.4	6.5	14.2
21	YOLO	195,895	21.7	11.1	10.6	6.0	15.2
22	SAN BENITO	59,147	6.0	10.1 *	10.8 *	2.0	19.6
23	SOLANO	426,866	49.7	11.6	11.5	8.3	14.8
24	SHASTA	184,010	22.3	12.1	11.7	6.7	16.7
25	MONTEREY	424,769	48.7	11.5	11.7	8.4	15.0
26	EL DORADO	180,511	21.3	11.8	11.8 *	6.5	17.2
27	SAN LUIS OBISPO	264,485	34.0	12.9	12.0	7.8	16.1
28	SIERRA	3,667	0.7	18.2 *	12.7 *	0.0	44.3
29	TUOLUMNE	57,897	7.3	12.7 *	12.9 *	3.1	22.8
30	NEVADA	100,219	13.7	13.6 *	13.4 *	5.6	21.1
31	INYO	18,936	2.7	14.1 *	14.0 *	0.0	32.2
32	SAN BERNARDINO	2,056,110	291.0	14.2	14.2	12.5	15.9
33	RIVERSIDE	2,061,597	298.7	14.5	14.5	12.8	16.1
34	STANISLAUS	529,403	73.0	13.8	14.5	11.1	17.9
35	MENDOCINO	91,139	14.3	15.7 *	15.0 *	7.0	23.0
36	IMPERIAL	174,981	26.7	15.2	15.4	9.4	21.3
37	MODOC	10,448	1.3	12.8 *	15.6 *	0.0	43.3
38	SAN JOAQUIN	690,102	104.0	15.1	15.7	12.6	18.7
39	FRESNO	928,311	155.7	16.8	17.1	14.4	19.9
40	TEHAMA	62,795	11.7	18.6 *	17.6 *	7.3	27.9
41	SUTTER	95,584	16.0	16.7 *	18.0 *	9.1	26.9
42	MERCED	255,602	44.7	17.5	18.3	12.8	23.8
43	HUMBOLDT	132,512	25.3	19.1	18.4	11.1	25.6
44	KERN	817,095	147.7	18.1	18.8	15.7	21.9
45	BUTTE	220,376	42.7	19.4	18.9	13.0	24.7
46	KINGS	154,154	29.0	18.8	19.5	12.1	26.8
47	YUBA	74,674	14.3	19.2 *	19.9 *	9.4	30.3
48	COLUSA	22,366	4.3	19.4 *	20.3 *	0.9	39.8
49	AMADOR	38,961	8.7	22.2 *	20.3 *	6.1	34.6
50	TULARE	436,661	88.7	20.3	20.6	16.2	25.0
51	GLENN	29,488	6.0	20.3 *	20.9 *	3.8	38.0
52	LAKE	65,198	16.0	24.5 *	22.0 *	10.5	33.4
53	MADERA	150,555	33.7	22.4	23.0	15.1	30.8
54	MARIPOSA	18,613	4.0	21.5 *	23.0 *	0.0	47.0
55	TRINITY	14,688	3.3	22.7 *	25.5 *	0.0	55.6
56	DEL NORTE	29,970	8.7	28.9 *	25.7 *	8.5	43.0
57	SISKIYOU	46,408	11.0	23.7 *	25.8 *	9.6	42.0
58	CALAVERAS	46,121	12.3	26.7 *	26.6 *	9.7	43.4

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

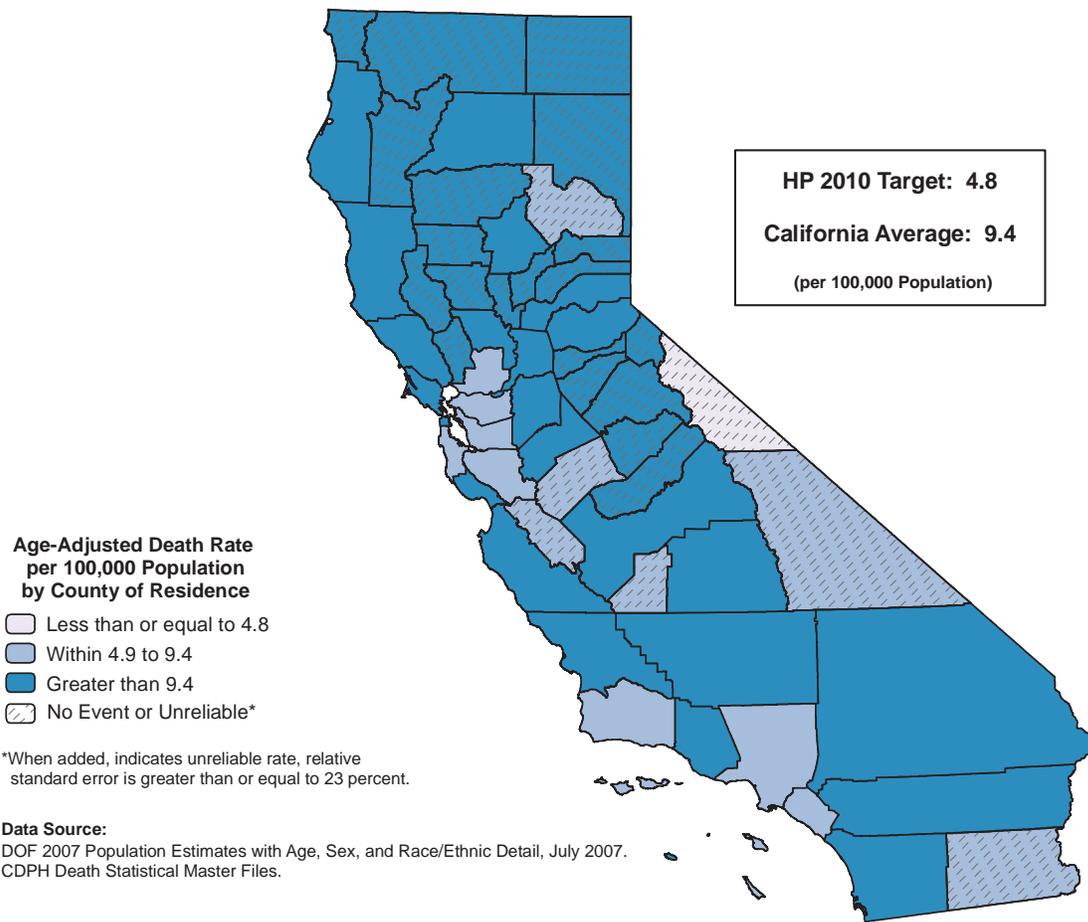
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO SUICIDE, 2006-2008



The crude death rate from suicide for California was 9.3 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 10,733 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 3,522.7 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 24.1 in Mendocino County to 6.9 in Los Angeles County, a factor of 3.5 to 1.

The age-adjusted death rate from suicide for California during the 2006 through 2008 three-year period was 9.4 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 23.3 in Mendocino County to 7.0 in Los Angeles County.

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

**TABLE 16
DEATHS DUE TO SUICIDE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,118	0.3	2.4 *	2.2 *	0.0	9.6
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (18-1)					4.8		
2	IMPERIAL	174,981	10.3	5.9 *	6.2 *	2.4	10.1
3	MERCED	255,602	16.0	6.3 *	6.8 *	3.4	10.2
4	LOS ANGELES	10,323,161	710.7	6.9	7.0	6.5	7.5
5	SAN BENITO	59,147	3.7	6.2 *	7.0 *	0.0	14.3
6	SANTA CLARA	1,795,449	138.0	7.7	7.6	6.3	8.9
7	ALAMEDA	1,520,763	121.0	8.0	7.7	6.3	9.1
8	SAN MATEO	728,905	63.0	8.6	8.2	6.1	10.2
9	SANTA BARBARA	423,291	36.3	8.6	8.4	5.7	11.2
10	ORANGE	3,115,411	276.3	8.9	8.8	7.8	9.9
11	KINGS	154,154	12.0	7.8 *	8.9 *	3.6	14.2
12	PLUMAS	21,602	3.0	13.9 *	9.1 *	0.0	19.5
13	INYO	18,936	1.7	8.8 *	9.1 *	0.0	24.7
14	CONTRA COSTA	1,042,804	99.3	9.5	9.3	7.4	11.1
15	SOLANO	426,866	39.3	9.2	9.3	6.4	12.3
CALIFORNIA		37,810,582	3,522.7	9.3	9.4	9.1	9.7
16	FRESNO	928,311	82.7	8.9	9.5	7.4	11.6
17	TULARE	436,661	38.0	8.7	9.6	6.5	12.8
18	SAN BERNARDINO	2,056,110	184.7	9.0	9.7	8.3	11.1
19	MONTEREY	424,769	39.7	9.3	9.8	6.7	12.9
20	DEL NORTE	29,970	3.0	10.0 *	9.9 *	0.0	21.2
21	STANISLAUS	529,403	50.0	9.4	10.2	7.3	13.0
22	SAN JOAQUIN	690,102	62.3	9.0	10.2	7.7	12.8
23	RIVERSIDE	2,061,597	203.7	9.9	10.4	9.0	11.8
24	VENTURA	828,983	87.3	10.5	10.5	8.3	12.7
25	KERN	817,095	77.0	9.4	10.5	8.1	12.9
26	SUTTER	95,584	9.7	10.1 *	10.6 *	3.9	17.4
27	SAN FRANCISCO	805,810	99.7	12.4	10.7	8.5	12.9
28	SAN DIEGO	3,107,477	335.7	10.8	10.8	9.6	11.9
29	SANTA CRUZ	264,417	29.3	11.1	10.8	6.8	14.9
30	YOLO	195,895	21.0	10.7	10.9	6.1	15.6
31	GLENN	29,488	3.3	11.3 *	11.1 *	0.0	23.2
32	MODOC	10,448	1.7	16.0 *	11.3 *	0.0	28.7
33	MADERA	150,555	16.3	10.8 *	11.3 *	5.8	16.9
34	PLACER	327,388	38.3	11.7	11.4	7.7	15.1
35	SIERRA	3,667	0.7	18.2 *	11.6 *	0.0	39.7
36	SONOMA	483,897	61.3	12.7	12.0	8.9	15.1
37	NAPA	137,125	16.7	12.2 *	12.1 *	6.2	18.1
38	SACRAMENTO	1,408,332	177.7	12.6	12.6	10.8	14.5
39	SAN LUIS OBISPO	264,485	34.7	13.1	12.6	8.3	17.0
40	EL DORADO	180,511	22.7	12.6	12.9	7.2	18.6
41	COLUSA	22,366	2.7	11.9 *	13.4 *	0.0	29.7
42	MARIN	253,113	39.7	15.7	13.8	9.3	18.4
43	ALPINE	1,331	0.3	25.0 *	15.7 *	0.0	68.8
44	AMADOR	38,961	8.7	22.2 *	17.0 *	5.1	28.9
45	NEVADA	100,219	18.0	18.0 *	17.5 *	8.3	26.6
46	CALAVERAS	46,121	8.7	18.8 *	17.5 *	4.2	30.8
47	BUTTE	220,376	40.0	18.2	17.8	12.2	23.5
48	YUBA	74,674	12.7	17.0 *	17.9 *	7.9	27.8
49	LASSEN	36,891	7.0	19.0 *	18.1 *	4.5	31.6
50	TUOLUMNE	57,897	12.7	21.9 *	19.1 *	7.7	30.5
51	TEHAMA	62,795	12.7	20.2 *	20.6 *	9.0	32.3
52	HUMBOLDT	132,512	29.7	22.4	21.2	13.4	28.9
53	SHASTA	184,010	40.0	21.7	21.3	14.5	28.1
54	MARIPOSA	18,613	4.7	25.1 *	21.5 *	1.2	41.7
55	MENDOCINO	91,139	22.0	24.1	23.3	13.2	33.3
56	SISKIYOU	46,408	12.0	25.9 *	24.0 *	9.2	38.7
57	LAKE	65,198	18.0	27.6 *	28.7 *	14.1	43.2
58	TRINITY	14,688	5.3	36.3 *	34.1 *	1.0	67.2

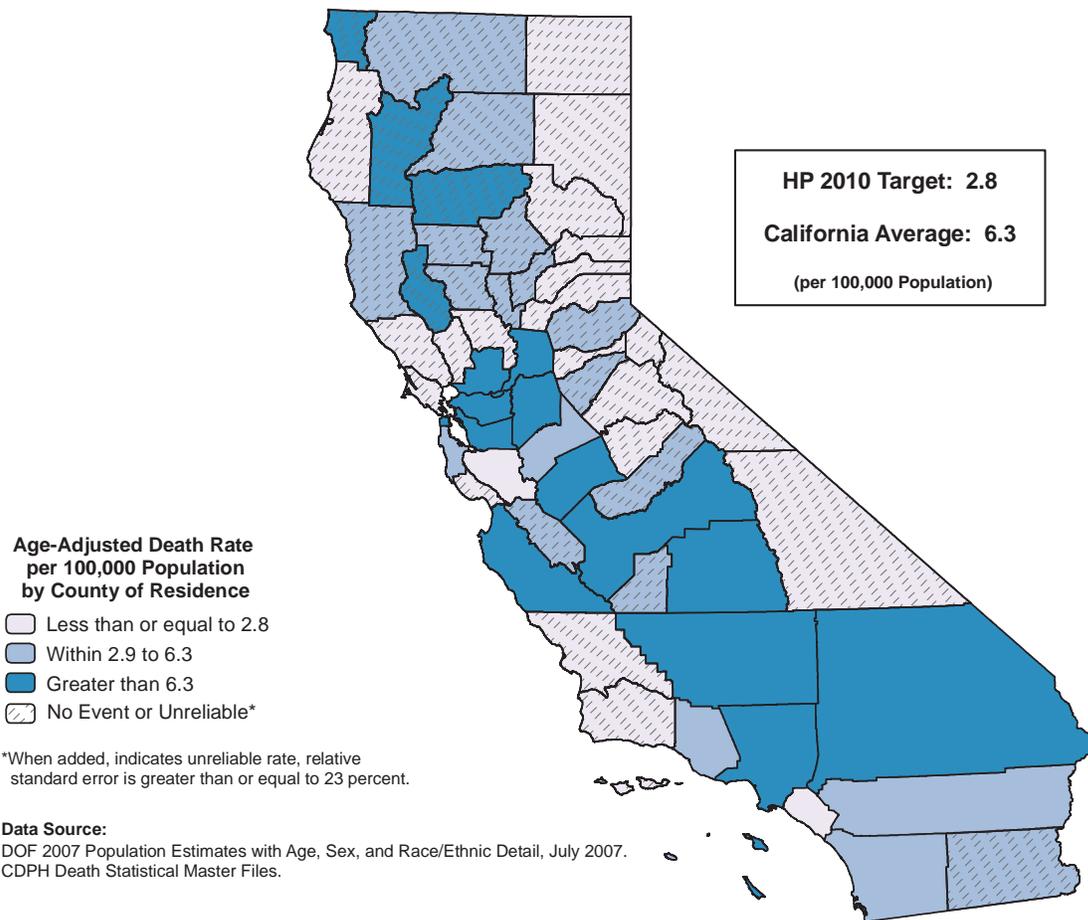
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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

Source: California Department of Public Health: 2006-2008 Death Statistical Master Files.

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

DEATHS DUE TO HOMICIDE, 2006-2008



The crude death rate from homicide for California was 6.4 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 15,709 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 2,407.0 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 10.8 in Alameda County to 2.7 in Orange and Santa Clara Counties, a factor of 4.0 to 1.

The age-adjusted death rate from homicide for California during the 2006 through 2008 three-year period was 6.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 10.8 in Alameda County to 2.6 in Orange County.

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

**TABLE 17
DEATHS DUE TO HOMICIDE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	INYO	18,936	0.0	-	-	-	-
2	MONO	14,118	0.0	-	-	-	-
3	MODOC	10,448	0.0	-	-	-	-
4	SIERRA	3,667	0.0	-	-	-	-
5	ALPINE	1,331	0.0	-	-	-	-
6	YOLO	195,895	1.3	0.7 *	0.8 *	0.0	2.1
7	TUOLUMNE	57,897	0.3	0.6 *	0.9 *	0.0	3.8
8	AMADOR	38,961	0.7	1.7 *	1.0 *	0.0	3.4
9	MARIN	253,113	3.7	1.4 *	1.7 *	0.0	3.5
10	PLACER	327,388	4.7	1.4 *	1.7 *	0.1	3.2
11	NEVADA	100,219	2.3	2.3 *	1.8 *	0.0	4.2
12	NAPA	137,125	2.7	1.9 *	1.9 *	0.0	4.1
13	MARIPOSA	18,613	0.7	3.6 *	2.0 *	0.0	6.8
14	LASSEN	36,891	1.0	2.7 *	2.3 *	0.0	6.9
15	SONOMA	483,897	11.3	2.3 *	2.4 *	1.0	3.7
16	HUMBOLDT	132,512	3.7	2.8 *	2.4 *	0.0	5.0
17	SANTA BARBARA	423,291	10.7	2.5 *	2.5 *	1.0	4.0
18	SAN LUIS OBISPO	264,485	6.7	2.5 *	2.6 *	0.6	4.7
19	ORANGE	3,115,411	82.7	2.7	2.6	2.1	3.2
20	SANTA CLARA	1,795,449	48.0	2.7	2.8	2.0	3.6
21	SANTA CRUZ	264,417	8.0	3.0 *	2.8 *	0.8	4.7
22	PLUMAS	21,602	0.7	3.1 *	2.8 *	0.0	9.7
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-32)					2.8		
23	GLENN	29,488	1.0	3.4 *	3.2 *	0.0	9.4
24	VENTURA	828,983	28.3	3.4	3.4	2.1	4.6
25	KINGS	154,154	5.7	3.7 *	3.4 *	0.6	6.2
26	SAN MATEO	728,905	24.7	3.4	3.6	2.2	5.0
27	SAN DIEGO	3,107,477	117.7	3.8	3.7	3.0	4.4
28	EL DORADO	180,511	5.7	3.1 *	3.8 *	0.5	7.2
29	CALAVERAS	46,121	1.3	2.9 *	3.9 *	0.0	11.0
30	IMPERIAL	174,981	7.0	4.0 *	3.9 *	1.0	6.8
31	SUTTER	95,584	3.7	3.8 *	4.0 *	0.0	8.1
32	SAN BENITO	59,147	2.7	4.5 *	4.4 *	0.0	9.7
33	BUTTE	220,376	9.3	4.2 *	4.4 *	1.5	7.3
34	COLUSA	22,366	1.0	4.5 *	4.4 *	0.0	13.1
35	SISKIYOU	46,408	1.7	3.6 *	4.6 *	0.0	11.9
36	YUBA	74,674	3.7	4.9 *	4.6 *	0.0	9.4
37	RIVERSIDE	2,061,597	111.7	5.4	5.2	4.2	6.2
38	MADERA	150,555	8.3	5.5 *	5.7 *	1.8	9.7
39	STANISLAUS	529,403	30.0	5.7	5.8	3.7	7.9
40	SHASTA	184,010	10.7	5.8 *	5.9 *	2.3	9.6
41	MENDOCINO	91,139	5.3	5.9 *	6.2 *	0.8	11.6
CALIFORNIA		37,810,582	2,407.0	6.4	6.3	6.0	6.5
42	MONTEREY	424,769	28.7	6.7	6.5	4.1	9.0
43	TEHAMA	62,795	4.0	6.4 *	6.6 *	0.0	13.1
44	TRINITY	14,688	1.0	6.8 *	7.1 *	0.0	21.8
45	KERN	817,095	61.0	7.5	7.1	5.3	9.0
46	SAN BERNARDINO	2,056,110	158.3	7.7	7.2	6.0	8.3
47	MERCED	255,602	19.7	7.7	7.2	3.9	10.4
48	LAKE	65,198	4.7	7.2 *	7.2 *	0.1	14.3
49	SAN JOAQUIN	690,102	50.0	7.2	7.2	5.2	9.2
50	SACRAMENTO	1,408,332	103.3	7.3	7.3	5.9	8.7
51	FRESNO	928,311	72.3	7.8	7.4	5.6	9.1
52	DEL NORTE	29,970	2.3	7.8 *	7.9 *	0.0	18.1
53	SOLANO	426,866	35.7	8.4	8.2	5.5	10.9
54	LOS ANGELES	10,323,161	917.7	8.9	8.8	8.2	9.4
55	TULARE	436,661	43.3	9.9	9.7	6.7	12.6
56	CONTRA COSTA	1,042,804	98.3	9.4	9.7	7.8	11.7
57	SAN FRANCISCO	805,810	74.3	9.2	10.3	7.7	12.9
58	ALAMEDA	1,520,763	164.0	10.8	10.8	9.1	12.4

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

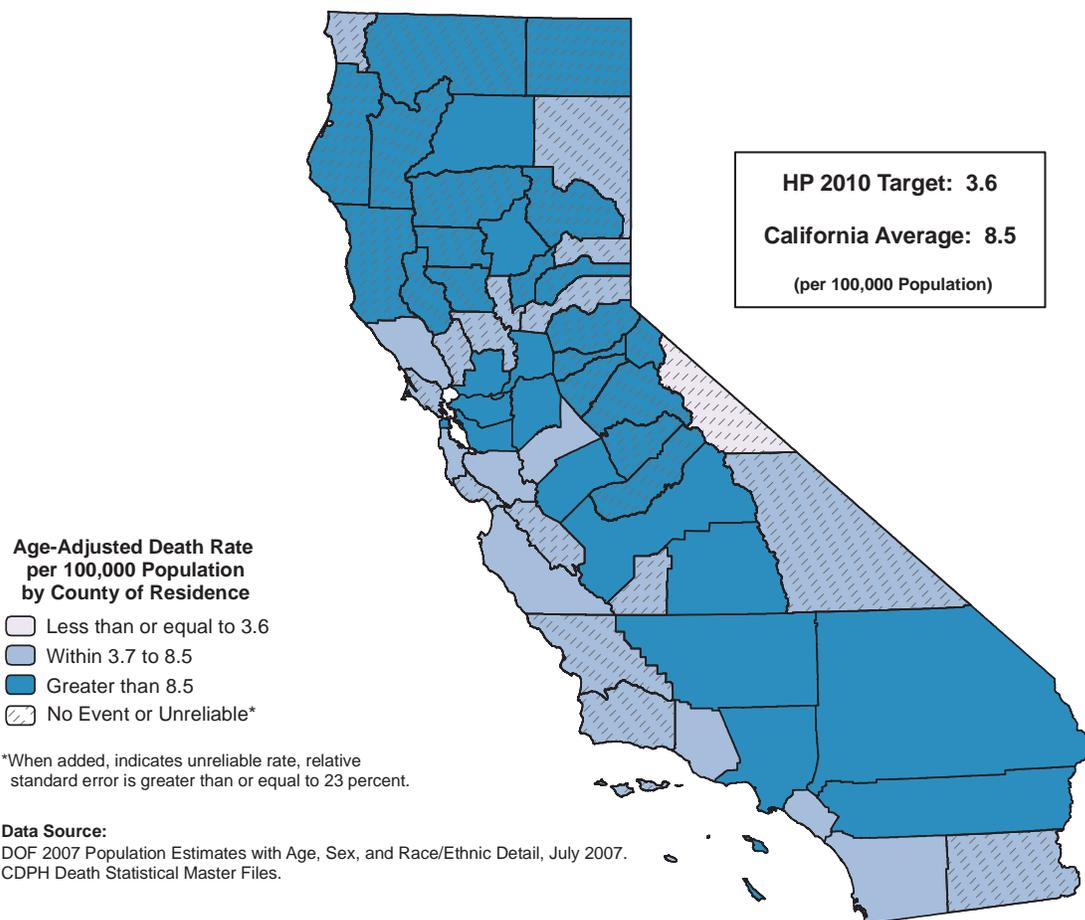
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

FIREARM-RELATED DEATHS, 2006-2008



The crude death rate from firearm-related injuries for California was 8.6 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 11,658 persons. This rate was based on the 2006 through 2008 three-year average number of deaths equaling 3,243.3 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 14.5 in Shasta County to 3.8 in Santa Clara County, a factor of 3.8 to 1.

The age-adjusted death rate from firearm-related injuries for California during the 2006 through 2008 three-year period was 8.5 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 13.8 in Shasta County to 3.8 in Santa Clara County.

One county with no firearm-related deaths met the Healthy People 2010 National Objective 15-3 of no more than 3.6 age-adjusted deaths due to firearm-related injuries per 100,000 population. 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, 2006-2008

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,118	0.0	-	-	-	-
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (15-3)					3.6		
2	SANTA CLARA	1,795,449	68.0	3.8	3.8	2.9	4.8
3	DEL NORTE	29,970	1.3	4.4 *	4.0 *	0.0	10.7
4	SANTA BARBARA	423,291	18.7	4.4 *	4.4 *	2.4	6.4
5	YOLO	195,895	8.0	4.1 *	4.5 *	1.3	7.6
6	MARIN	253,113	12.0	4.7 *	4.6 *	1.8	7.4
7	ORANGE	3,115,411	145.3	4.7	4.7	3.9	5.5
8	SAN BENITO	59,147	2.7	4.5 *	5.0 *	0.0	11.1
9	SIERRA	3,667	0.3	9.1 *	5.0 *	0.0	22.2
10	SANTA CRUZ	264,417	15.0	5.7 *	5.4 *	2.6	8.2
11	SAN MATEO	728,905	42.0	5.8	5.8	4.0	7.6
12	INYO	18,936	1.3	7.0 *	5.8 *	0.0	16.8
13	IMPERIAL	174,981	10.0	5.7 *	5.9 *	2.2	9.5
14	PLACER	327,388	20.3	6.2	6.1 *	3.4	8.9
15	NAPA	137,125	9.0	6.6 *	6.2 *	2.1	10.2
16	SAN DIEGO	3,107,477	202.7	6.5	6.5	5.6	7.4
17	SAN LUIS OBISPO	264,485	18.7	7.1 *	6.8 *	3.6	9.9
18	KINGS	154,154	9.3	6.1 *	6.9 *	2.3	11.5
19	VENTURA	828,983	58.0	7.0	6.9	5.1	8.7
20	SONOMA	483,897	35.3	7.3	7.1	4.7	9.4
21	MONTEREY	424,769	35.0	8.2	8.1	5.4	10.9
22	LASSEN	36,891	3.3	9.0 *	8.2 *	0.0	17.0
23	STANISLAUS	529,403	41.7	7.9	8.3	5.8	10.8
24	SUTTER	95,584	8.0	8.4 *	8.5 *	2.6	14.5
CALIFORNIA		37,810,582	3,243.3	8.6	8.5	8.2	8.8
25	MERCED	255,602	22.3	8.7	8.6	5.0	12.3
26	RIVERSIDE	2,061,597	179.3	8.7	8.8	7.5	10.1
27	MADERA	150,555	13.0	8.6 *	8.9 *	4.0	13.9
28	FRESNO	928,311	89.7	9.7	9.6	7.6	11.6
29	SAN JOAQUIN	690,102	63.3	9.2	9.6	7.2	12.0
30	LOS ANGELES	10,323,161	1,013.3	9.8	9.8	9.2	10.4
31	EL DORADO	180,511	18.0	10.0 *	9.9 *	4.9	14.8
32	SACRAMENTO	1,408,332	141.0	10.0	10.0	8.3	11.6
33	COLUSA	22,366	2.0	8.9 *	10.0 *	0.0	23.9
34	GLENN	29,488	3.0	10.2 *	10.0 *	0.0	21.5
35	SAN FRANCISCO	805,810	72.0	8.9	10.0	7.5	12.6
36	SAN BERNARDINO	2,056,110	208.3	10.1	10.1	8.7	11.5
37	SOLANO	426,866	43.0	10.1	10.1	7.1	13.2
38	YUBA	74,674	7.0	9.4 *	10.2 *	2.5	17.8
39	AMADOR	38,961	6.0	15.4 *	10.7 *	2.0	19.3
40	KERN	817,095	83.3	10.2	10.7	8.3	13.0
41	BUTTE	220,376	24.7	11.2	11.0	6.6	15.5
42	PLUMAS	21,602	3.0	13.9 *	11.5 *	0.0	25.4
43	HUMBOLDT	132,512	17.0	12.8 *	11.9 *	6.2	17.7
44	CONTRA COSTA	1,042,804	122.3	11.7	12.0	9.8	14.1
45	ALAMEDA	1,520,763	181.7	11.9	12.0	10.3	13.8
46	TEHAMA	62,795	8.3	13.3 *	12.2 *	3.8	20.7
47	TULARE	436,661	53.7	12.3	12.7	9.2	16.1
48	TUOLUMNE	57,897	8.7	15.0 *	12.7 *	3.5	22.0
49	MARIPOSA	18,613	3.0	16.1 *	12.9 *	0.0	28.3
50	LAKE	65,198	9.7	14.8 *	13.3 *	4.1	22.5
51	CALAVERAS	46,121	7.0	15.2 *	13.3 *	2.1	24.6
52	SHASTA	184,010	26.7	14.5	13.8	8.4	19.1
53	NEVADA	100,219	15.0	15.0 *	15.6 *	6.7	24.4
54	ALPINE	1,331	0.3	25.0 *	15.7 *	0.0	68.8
55	MENDOCINO	91,139	14.0	15.4 *	15.8 *	7.3	24.3
56	MODOC	10,448	2.0	19.1 *	16.9 *	0.0	42.5
57	SISKIYOU	46,408	10.7	23.0 *	20.8 *	7.3	34.3
58	TRINITY	14,688	5.0	34.0 *	29.2 *	0.2	58.1

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

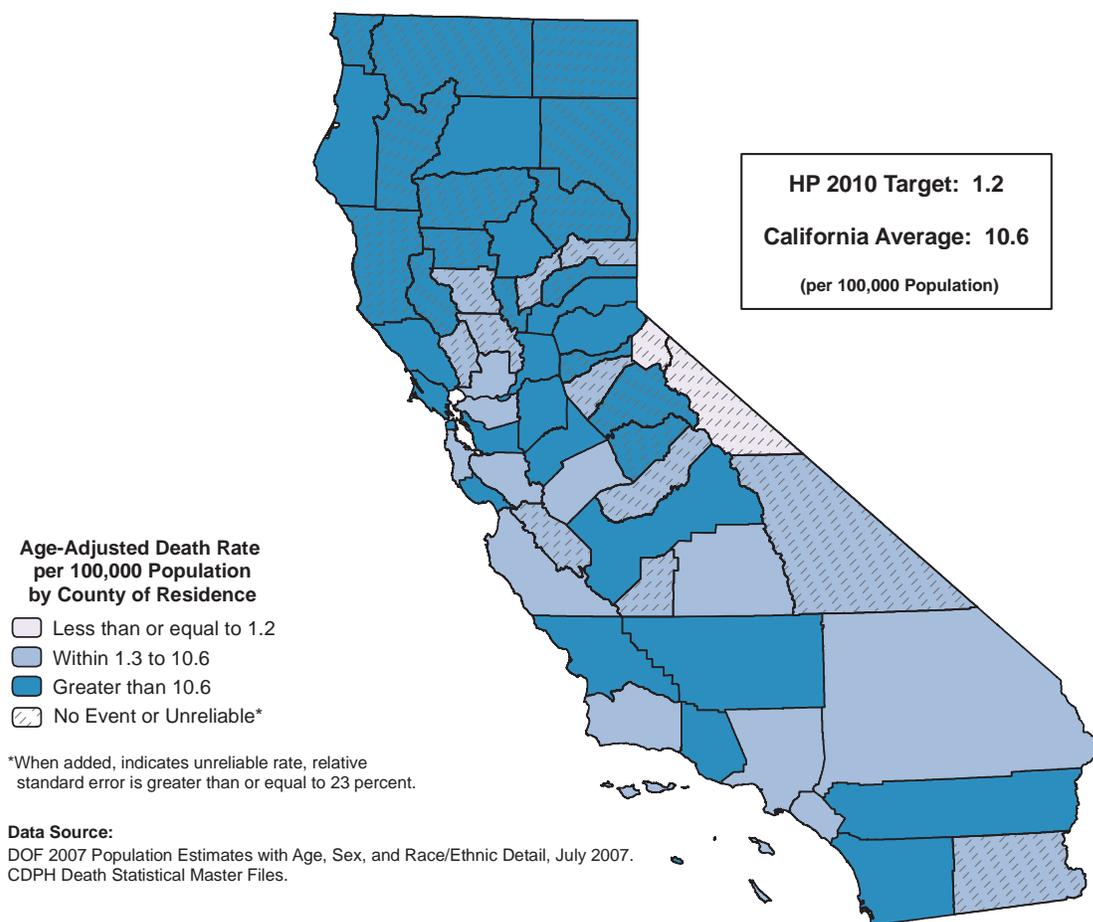
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

DRUG-INDUCED DEATHS, 2006-2008



The crude death rate from drug-induced deaths for California was 10.8 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 9,277 persons. This rate was based on a 2006 through 2008 three-year average number of deaths equaling 4,075.7 and population count of 37,810,582 as of July 1, 2007. Among counties with reliable rates, the crude rate ranged from 37.0 in Humboldt County to 7.1 in Santa Clara County, a factor of 5.2 to 1.

The age-adjusted death rate from drug-induced deaths for California during the 2006 through 2008 three-year period was 10.6 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 36.3 in Humboldt County to 6.6 in Santa Clara County.

Two counties with no drug-induced deaths met the Healthy People 2010 National Objective 26-3 of no more than 1.2 age-adjusted drug-induced deaths per 100,000 population. 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, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,118	0.0	-	-	-	-
2	ALPINE	1,331	0.0	-	-	-	-
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (26-3)					1.2		
3	YUBA	74,674	2.7	3.6 *	3.6 *	0.0	8.0
4	SAN BENITO	59,147	2.3	3.9 *	3.7 *	0.0	8.4
5	INYO	18,936	0.7	3.5 *	4.1 *	0.0	14.4
6	COLUSA	22,366	1.3	6.0 *	5.9 *	0.0	15.9
7	SIERRA	3,667	0.3	9.1 *	6.6 *	0.0	28.8
8	SANTA CLARA	1,795,449	126.7	7.1	6.6	5.4	7.7
9	YOLO	195,895	12.7	6.5 *	6.7 *	3.0	10.5
10	SAN MATEO	728,905	57.3	7.9	7.1	5.2	8.9
11	LOS ANGELES	10,323,161	771.3	7.5	7.4	6.9	7.9
12	NAPA	137,125	11.0	8.0 *	7.8 *	3.1	12.5
13	MADERA	150,555	12.3	8.2 *	8.0 *	3.5	12.5
14	TULARE	436,661	33.7	7.7	8.6	5.6	11.5
15	KINGS	154,154	12.3	8.0 *	8.7 *	3.7	13.6
16	CALAVERAS	46,121	4.0	8.7 *	9.0 *	0.0	18.7
17	SOLANO	426,866	39.7	9.3	9.0	6.2	11.9
18	ORANGE	3,115,411	292.3	9.4	9.1	8.1	10.2
19	CONTRA COSTA	1,042,804	102.0	9.8	9.3	7.5	11.1
20	MONTEREY	424,769	38.0	8.9	9.4	6.4	12.4
21	MERCED	255,602	21.7	8.5	9.8	5.6	13.9
22	IMPERIAL	174,981	17.0	9.7 *	9.8 *	5.1	14.5
23	SANTA BARBARA	423,291	44.7	10.6	10.5	7.4	13.6
24	SAN BERNARDINO	2,056,110	209.0	10.2	10.6	9.2	12.1
	CALIFORNIA	37,810,582	4,075.7	10.8	10.6	10.3	10.9
25	VENTURA	828,983	91.3	11.0	10.9	8.6	13.1
26	ALAMEDA	1,520,763	181.7	11.9	11.1	9.5	12.8
27	RIVERSIDE	2,061,597	217.7	10.6	11.2	9.7	12.7
28	SAN DIEGO	3,107,477	362.3	11.7	11.3	10.1	12.4
29	SANTA CRUZ	264,417	35.0	13.2	12.1	8.0	16.2
30	FRESNO	928,311	102.3	11.0	12.1	9.8	14.5
31	SONOMA	483,897	63.3	13.1	12.2	9.1	15.3
32	SUTTER	95,584	10.7	11.2 *	12.3 *	4.9	19.8
33	SAN LUIS OBISPO	264,485	32.3	12.2	12.6	8.1	17.1
34	NEVADA	100,219	15.0	15.0 *	12.6 *	5.6	19.6
35	MARIN	253,113	35.7	14.1	13.1	8.5	17.7
36	PLACER	327,388	47.0	14.4	14.7	10.4	19.0
37	SISKIYOU	46,408	7.3	15.8 *	15.0 *	3.3	26.7
38	DEL NORTE	29,970	4.7	15.6 *	15.6 *	1.3	29.9
39	TEHAMA	62,795	9.3	14.9 *	15.7 *	5.4	26.0
40	SAN JOAQUIN	690,102	101.7	14.7	16.5	13.2	19.7
41	KERN	817,095	126.3	15.5	16.6	13.7	19.5
42	SACRAMENTO	1,408,332	243.3	17.3	17.1	14.9	19.2
43	GLENN	29,488	5.0	17.0 *	17.2 *	1.9	32.4
44	STANISLAUS	529,403	83.3	15.7	17.2	13.5	20.9
45	EL DORADO	180,511	33.0	18.3	17.8	11.3	24.3
46	MARIPOSA	18,613	3.7	19.7 *	18.3 *	0.0	38.1
47	AMADOR	38,961	8.3	21.4 *	20.1 *	5.9	34.2
48	PLUMAS	21,602	5.0	23.1 *	20.5 *	0.8	40.3
49	MENDOCINO	91,139	20.0	21.9	21.0 *	11.5	30.5
50	TUOLUMNE	57,897	12.3	21.3 *	21.3 *	8.7	33.9
51	SAN FRANCISCO	805,810	200.0	24.8	21.8	18.7	24.9
52	SHASTA	184,010	49.0	26.6	27.6	19.6	35.6
53	LAKE	65,198	19.3	29.7	28.1 *	14.4	41.9
54	LASSEN	36,891	11.7	31.6 *	28.4 *	12.1	44.7
55	MODOC	10,448	2.3	22.3 *	30.1 *	0.0	69.9
56	BUTTE	220,376	69.7	31.6	31.2	23.7	38.6
57	TRINITY	14,688	4.0	27.2 *	35.8 *	0.0	73.9
58	HUMBOLDT	132,512	49.0	37.0	36.3	25.9	46.7

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

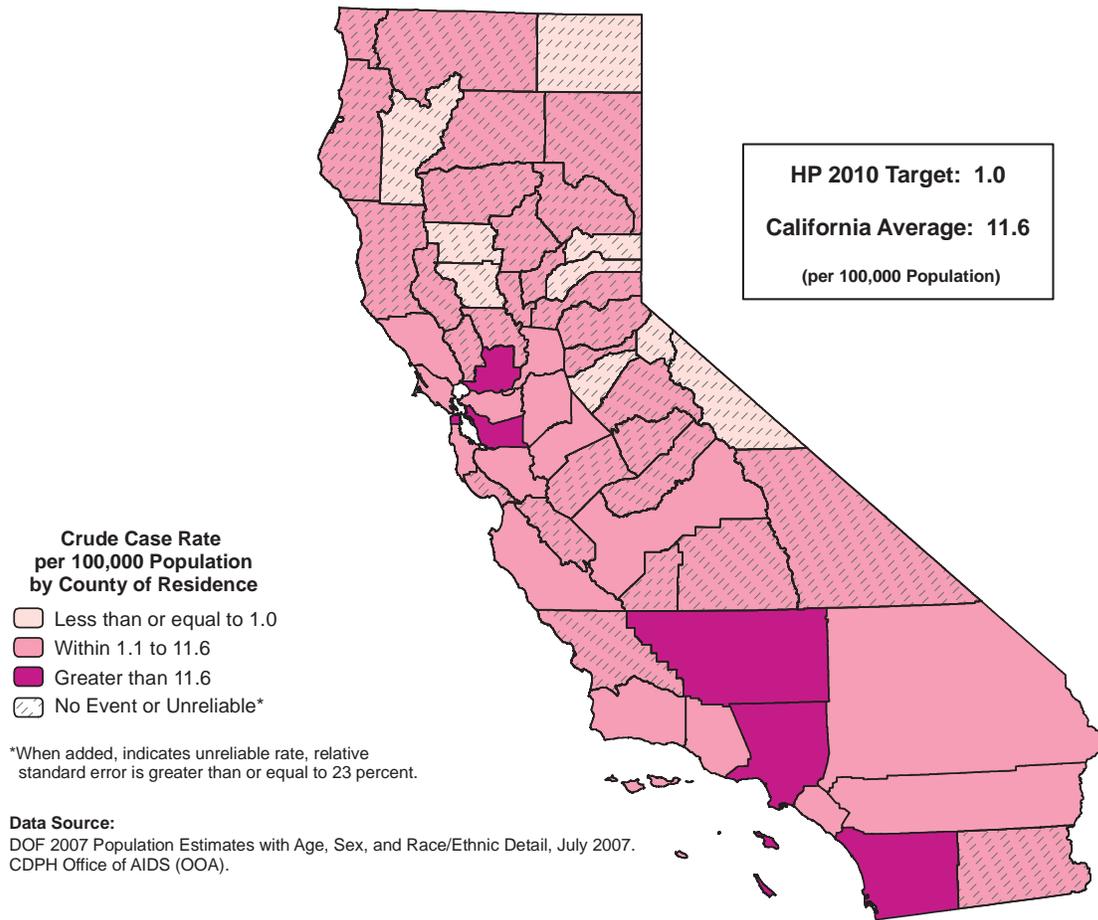
* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Death Statistical Master Files.

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

REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OLDER, 2006-2008



The crude case rate of reported AIDS cases for Californians aged 13 years and older were 11.6 cases per 100,000 population or approximately one reported AIDS case for every 8,638 persons. This rate was based on a 2006 through 2008 three-year average reported number of cases equaling 3,564.7 and population count of 30,791,149 as of July 1, 2007.

Among counties with reliable rates, the crude case rate ranged from 58.7 in San Francisco County to 3.5 in Ventura County, a factor of 16.8 to 1.

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

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

**TABLE 20
REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OVER
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION AGED 13 AND OVER	2006-2008 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	GLENN	23,916	0.0	-	-	-
2	COLUSA	17,913	0.0	-	-	-
3	TRINITY	12,892	0.0	-	-	-
4	MONO	12,099	0.0	-	-	-
5	MODOC	9,067	0.0	-	-	-
6	SIERRA	3,306	0.0	-	-	-
7	ALPINE	1,167	0.0	-	-	-
8	NEVADA	88,423	0.7	0.8 *	0.0	2.6
9	CALAVERAS	41,043	0.3	0.8 *	0.0	3.6
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (13-1)				1.0		
10	YUBA	59,224	0.7	1.1 *	0.0	3.8
11	TEHAMA	52,782	0.7	1.3 *	0.0	4.3
12	PLACER	270,516	4.0	1.5 *	0.0	2.9
13	SISKIYOU	40,008	0.7	1.7 *	0.0	5.7
14	PLUMAS	19,065	0.3	1.7 *	0.0	7.7
15	YOLO	162,911	3.0	1.8 *	0.0	3.9
16	AMADOR	35,010	0.7	1.9 *	0.0	6.5
17	MARIPOSA	16,649	0.3	2.0 *	0.0	8.8
18	INYO	16,304	0.3	2.0 *	0.0	9.0
19	LAKE	56,668	1.3	2.4 *	0.0	6.3
20	EL DORADO	154,703	3.7	2.4 *	0.0	4.8
21	TULARE	340,007	8.3	2.5 *	0.8	4.1
22	DEL NORTE	25,777	0.7	2.6 *	0.0	8.8
23	TUOLUMNE	51,465	1.3	2.6 *	0.0	7.0
24	SHASTA	155,460	4.3	2.8 *	0.2	5.4
25	SAN BENITO	46,940	1.3	2.8 *	0.0	7.7
26	BUTTE	187,872	5.7	3.0 *	0.5	5.5
27	MERCED	199,836	6.3	3.2 *	0.7	5.6
28	VENTURA	677,569	24.0	3.5	2.1	5.0
29	HUMBOLDT	113,095	4.7	4.1 *	0.4	7.9
30	MENDOCINO	76,880	3.3	4.3 *	0.0	9.0
31	SAN MATEO	609,621	27.3	4.5	2.8	6.2
32	KINGS	122,693	6.0	4.9 *	1.0	8.8
33	SANTA CRUZ	223,211	11.0	4.9 *	2.0	7.8
34	LASSEN	32,287	1.7	5.2 *	0.0	13.0
35	SUTTER	74,968	4.0	5.3 *	0.1	10.6
36	MADERA	121,288	6.7	5.5 *	1.3	9.7
37	NAPA	112,765	6.3	5.6 *	1.2	10.0
38	SANTA BARBARA	348,678	20.0	5.7	3.2	8.2
39	SAN LUIS OBISPO	227,733	13.3	5.9 *	2.7	9.0
40	STANISLAUS	408,537	27.0	6.6	4.1	9.1
41	MONTEREY	336,483	23.3	6.9	4.1	9.7
42	SACRAMENTO	1,142,618	80.7	7.1	5.5	8.6
43	CONTRA COSTA	865,088	67.3	7.8	5.9	9.6
44	ORANGE	2,547,066	199.7	7.8	6.8	8.9
45	SAN BERNARDINO	1,640,446	133.3	8.1	6.7	9.5
46	SANTA CLARA	1,464,612	122.3	8.4	6.9	9.8
47	FRESNO	736,004	68.3	9.3	7.1	11.5
48	SAN JOAQUIN	527,295	50.0	9.5	6.9	12.1
49	RIVERSIDE	1,656,506	159.3	9.6	8.1	11.1
50	SONOMA	401,704	42.0	10.5	7.3	13.6
51	IMPERIAL	143,508	15.3	10.7 *	5.3	16.0
52	MARIN	214,331	23.0	10.7	6.3	15.1
CALIFORNIA		30,791,149	3,564.7	11.6	11.2	12.0
53	KERN	640,550	81.7	12.7	10.0	15.5
54	SOLANO	350,937	45.7	13.0	9.2	16.8
55	SAN DIEGO	2,536,751	369.0	14.5	13.1	16.0
56	LOS ANGELES	8,359,889	1,238.0	14.8	14.0	15.6
57	ALAMEDA	1,260,071	224.0	17.8	15.4	20.1
58	SAN FRANCISCO	716,942	420.7	58.7	53.1	64.3

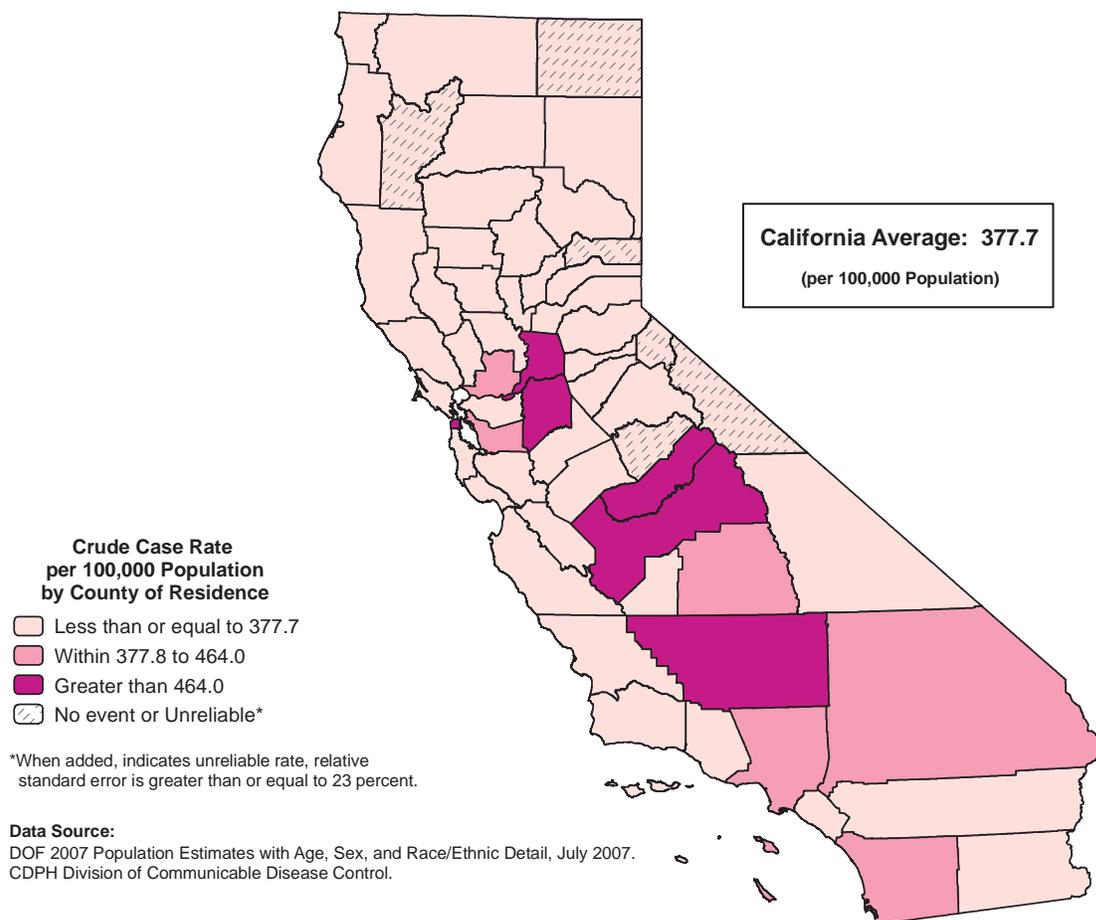
- Rates, percentages, and confidence limits are not calculated for zero events. Total cases may not add due to rounding or unresolved county designation.
* Case rate unreliable, relative standard error is greater than or equal to 23 percent.

Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.
Current data are not comparable to prior years as a result of changes in data collection and methodology.

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

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

REPORTED INCIDENCE OF CHLAMYDIA, 2006-2008



The crude case rate of reported chlamydia cases for California was 377.7 cases per 100,000 population or approximately one reported chlamydia case for every 265 persons. This rate was based on a 2006 through 2008 three-year average reported number of cases equaling 142,827.0 and population count of 37,810,582 as of July 1, 2007.

Among counties with reliable rates, the crude case rate ranged from 584.3 in Kern County to 72.3 in Calaveras County, a factor of 8.1 to 1.

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

**TABLE 21
REPORTED INCIDENCE OF CHLAMYDIA
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (25-1)				NOTE		
1	ALPINE	1,331	0.7	50.1 *	0.0	170.3
2	SIERRA	3,667	2.3	63.6 *	0.0	145.3
3	CALAVERAS	46,121	33.3	72.3	47.7	96.8
4	MARIPOSA	18,613	13.7	73.4 *	34.5	112.4
5	TRINITY	14,688	14.3	97.6 *	47.1	148.1
6	DEL NORTE	29,970	30.7	102.3	66.1	138.5
7	TUOLUMNE	57,897	61.3	105.9	79.4	132.4
8	LASSEN	36,891	40.3	109.3	75.6	143.1
9	MODOC	10,448	13.0	124.4 *	56.8	192.1
10	MONO	14,118	17.7	125.1 *	66.8	183.5
11	NEVADA	100,219	129.3	129.1	106.8	151.3
12	EL DORADO	180,511	240.7	133.3	116.5	150.2
13	COLUSA	22,366	31.3	140.1	91.0	189.1
14	LAKE	65,198	106.3	163.1	132.1	194.1
15	SONOMA	483,897	835.3	172.6	160.9	184.3
16	AMADOR	38,961	69.0	177.1	135.3	218.9
17	NAPA	137,125	247.7	180.6	158.1	203.1
18	INYO	18,936	35.0	184.8	123.6	246.1
19	PLUMAS	21,602	41.7	192.9	134.3	251.5
20	PLACER	327,388	643.7	196.6	181.4	211.8
21	SISKIYOU	46,408	96.0	206.9	165.5	248.2
22	GLENN	29,488	62.3	211.4	158.9	263.9
23	TEHAMA	62,795	134.7	214.5	178.2	250.7
24	MARIN	253,113	544.0	214.9	196.9	233.0
25	VENTURA	828,983	1,787.3	215.6	205.6	225.6
26	MENDOCINO	91,139	209.3	229.7	198.6	260.8
27	SHASTA	184,010	422.7	229.7	207.8	251.6
28	SUTTER	95,584	221.3	231.6	201.1	262.1
29	SAN LUIS OBISPO	264,485	615.3	232.7	214.3	251.0
30	SAN BENITO	59,147	143.3	242.3	202.7	282.0
31	SANTA CRUZ	264,417	651.0	246.2	227.3	265.1
32	SAN MATEO	728,905	1,824.7	250.3	238.8	261.8
33	ORANGE	3,115,411	8,142.3	261.4	255.7	267.0
34	YOLO	195,895	513.7	262.2	239.5	284.9
35	SANTA BARBARA	423,291	1,159.0	273.8	258.0	289.6
36	YUBA	74,674	207.0	277.2	239.4	315.0
37	RIVERSIDE	2,061,597	5,865.7	284.5	277.2	291.8
38	HUMBOLDT	132,512	382.0	288.3	259.4	317.2
39	MONTEREY	424,769	1,318.7	310.4	293.7	327.2
40	SANTA CLARA	1,795,449	5,712.3	318.2	309.9	326.4
41	BUTTE	220,376	706.0	320.4	296.7	344.0
42	CONTRA COSTA	1,042,804	3,448.0	330.6	319.6	341.7
43	KINGS	154,154	531.0	344.5	315.2	373.8
44	STANISLAUS	529,403	1,909.7	360.7	344.5	376.9
45	IMPERIAL	174,981	646.7	369.6	341.1	398.0
46	MERCED	255,602	945.3	369.8	346.3	393.4
CALIFORNIA		37,810,582	142,827.0	377.7	375.8	379.7
47	TULARE	436,661	1,750.0	400.8	382.0	419.5
48	SAN BERNARDINO	2,056,110	8,383.7	407.7	399.0	416.5
49	SAN DIEGO	3,107,477	12,886.7	414.7	407.5	421.9
50	LOS ANGELES	10,323,161	44,507.3	431.1	427.1	435.1
51	ALAMEDA	1,520,763	6,695.3	440.3	429.7	450.8
52	SOLANO	426,866	1,911.3	447.8	427.7	467.8
53	MADERA	150,555	723.0	480.2	445.2	515.2
54	SAN JOAQUIN	690,102	3,412.7	494.5	477.9	511.1
55	SAN FRANCISCO	805,810	4,044.3	501.9	486.4	517.4
56	SACRAMENTO	1,408,332	7,523.0	534.2	522.1	546.2
57	FRESNO	928,311	5,408.3	582.6	567.1	598.1
58	KERN	817,095	4,774.7	584.3	567.8	600.9

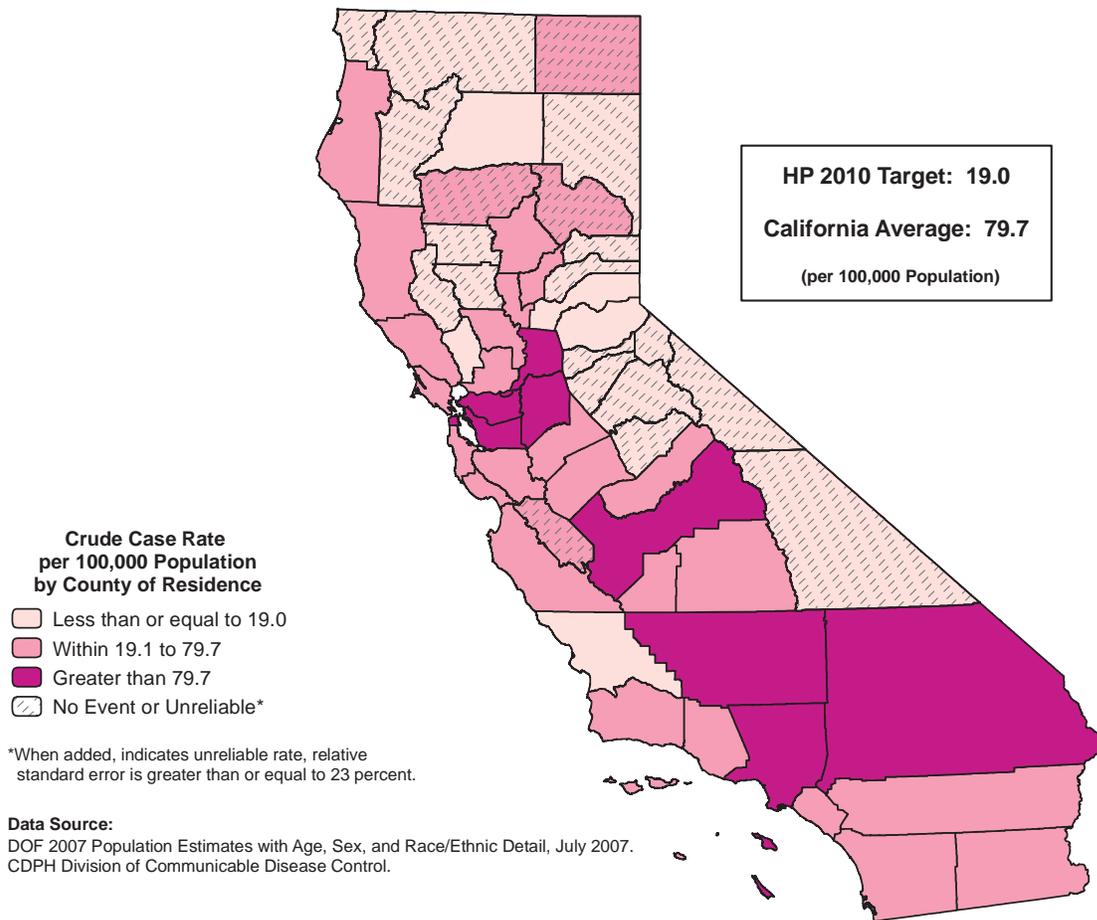
* Case rate unreliable, relative standard error is greater than or equal to 23 percent.

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.

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

REPORTED INCIDENCE OF GONORRHEA, 2006-2008



The crude case rate of reported gonorrhea cases for California was 79.7 cases per 100,000 population or approximately one reported gonorrhea case for every 1,254 persons. This rate was based on a 2006 through 2008 three-year average reported number of cases equaling 30,149.0 and population count of 37,810,582 as of July 1, 2007.

Among counties with reliable rates, the crude case rate ranged from 269.7 in San Francisco County to 11.1 in El Dorado County, a factor of 24.3 to 1.

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

**TABLE 22
REPORTED INCIDENCE OF GONORRHEA
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 POPULATION	2006-2008 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	SIERRA	3,667	0.0	-	-	-
2	ALPINE	1,331	0.0	-	-	-
3	DEL NORTE	29,970	1.3	4.4 *	0.0	12.0
4	INYO	18,936	1.0	5.3 *	0.0	15.6
5	SISKIYOU	46,408	3.3	7.2 *	0.0	14.9
6	LASSEN	36,891	3.0	8.1 *	0.0	17.3
7	AMADOR	38,961	3.3	8.6 *	0.0	17.7
8	TRINITY	14,688	1.3	9.1 *	0.0	24.5
9	NEVADA	100,219	9.7	9.6 *	3.6	15.7
10	COLUSA	22,366	2.3	10.4 *	0.0	23.8
11	CALAVERAS	46,121	5.0	10.8 *	1.3	20.3
12	EL DORADO	180,511	20.0	11.1	6.2	15.9
13	SHASTA	184,010	26.0	14.1	8.7	19.6
14	MONO	14,118	2.0	14.2 *	0.0	33.8
15	MARIPOSA	18,613	2.7	14.3 *	0.0	31.5
16	LAKE	65,198	9.7	14.8 *	5.5	24.2
17	SAN LUIS OBISPO	264,485	41.7	15.8	11.0	20.5
18	PLACER	327,388	56.0	17.1	12.6	21.6
19	TUOLUMNE	57,897	10.0	17.3 *	6.6	28.0
20	NAPA	137,125	24.0	17.5	10.5	24.5
21	GLENN	29,488	5.3	18.1 *	2.7	33.4
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (25-2a)				19.0		
22	SONOMA	483,897	96.0	19.8	15.9	23.8
23	SANTA BARBARA	423,291	84.7	20.0	15.7	24.3
24	VENTURA	828,983	167.3	20.2	17.1	23.2
25	MENDOCINO	91,139	19.7	21.6	12.0	31.1
26	PLUMAS	21,602	4.7	21.6 *	2.0	41.2
27	TEHAMA	62,795	14.7	23.4 *	11.4	35.3
28	SUTTER	95,584	23.7	24.8	14.8	34.7
29	SANTA CRUZ	264,417	71.7	27.1	20.8	33.4
30	HUMBOLDT	132,512	36.0	27.2	18.3	36.0
31	SAN BENITO	59,147	16.3	27.6 *	14.2	41.0
32	ORANGE	3,115,411	949.3	30.5	28.5	32.4
33	IMPERIAL	174,981	54.0	30.9	22.6	39.1
34	MARIN	253,113	82.0	32.4	25.4	39.4
35	YUBA	74,674	24.7	33.0	20.0	46.1
36	YOLO	195,895	66.0	33.7	25.6	41.8
37	MONTEREY	424,769	158.0	37.2	31.4	43.0
38	SAN MATEO	728,905	274.0	37.6	33.1	42.0
39	MODOC	10,448	4.0	38.3 *	0.8	75.8
40	RIVERSIDE	2,061,597	1,002.0	48.6	45.6	51.6
41	SANTA CLARA	1,795,449	873.0	48.6	45.4	51.8
42	BUTTE	220,376	118.0	53.5	43.9	63.2
43	MERCED	255,602	156.0	61.0	51.5	70.6
44	KINGS	154,154	95.3	61.8	49.4	74.3
45	MADERA	150,555	105.3	70.0	56.6	83.3
46	STANISLAUS	529,403	392.3	74.1	66.8	81.4
47	TULARE	436,661	324.3	74.3	66.2	82.4
48	SAN DIEGO	3,107,477	2,384.3	76.7	73.6	79.8
49	SOLANO	426,866	335.0	78.5	70.1	86.9
CALIFORNIA		37,810,582	30,149.0	79.7	78.8	80.6
50	CONTRA COSTA	1,042,804	855.3	82.0	76.5	87.5
51	SAN BERNARDINO	2,056,110	1,742.7	84.8	80.8	88.7
52	LOS ANGELES	10,323,161	10,042.0	97.3	95.4	99.2
53	FRESNO	928,311	1,070.3	115.3	108.4	122.2
54	SAN JOAQUIN	690,102	831.3	120.5	112.3	128.7
55	KERN	817,095	1,096.7	134.2	126.3	142.2
56	SACRAMENTO	1,408,332	1,985.7	141.0	134.8	147.2
57	ALAMEDA	1,520,763	2,192.0	144.1	138.1	150.2
58	SAN FRANCISCO	805,810	2,173.0	269.7	258.3	281.0

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

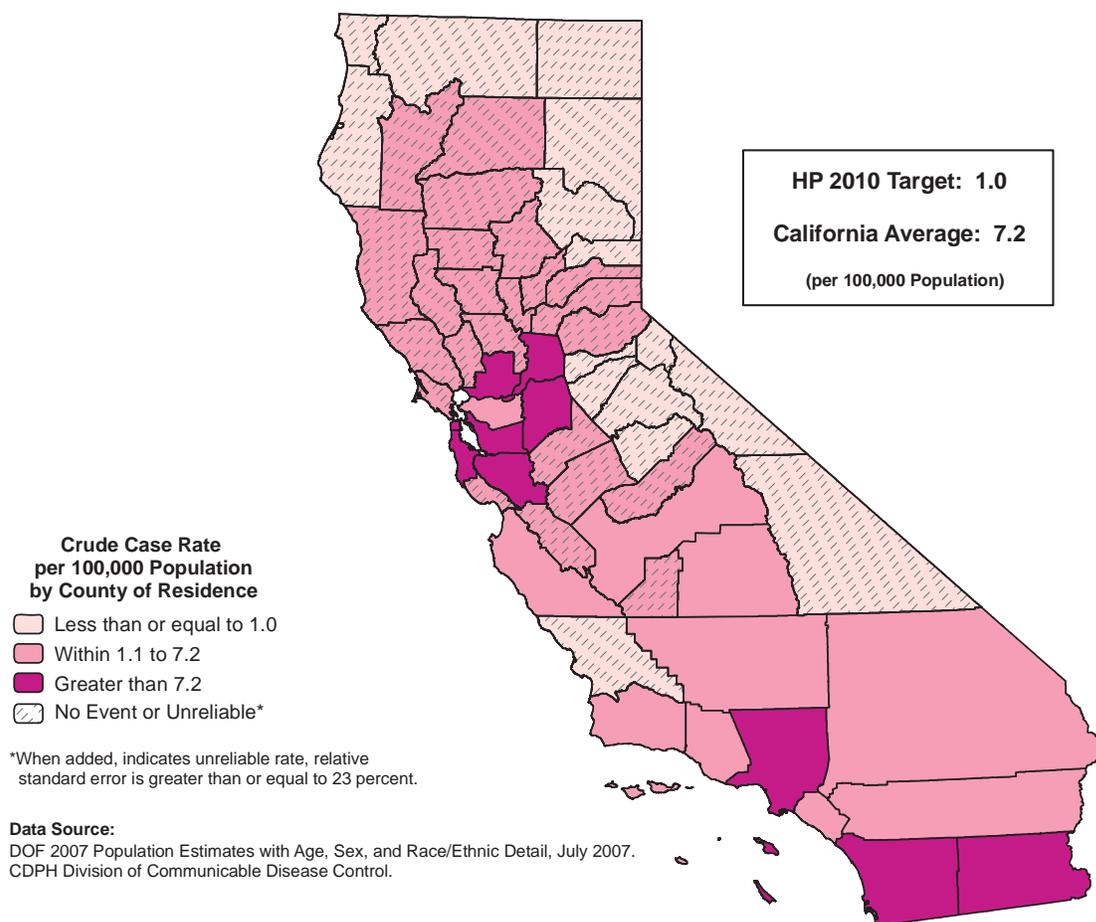
* Case rate unreliable, relative standard error is greater than or equal to 23 percent.

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.

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

REPORTED INCIDENCE OF TUBERCULOSIS, 2006-2008



The crude case rate of reported tuberculosis cases for California was 7.2 cases per 100,000 population or approximately one reported tuberculosis case for every 13,835 persons. This rate was based on a 2006 through 2008 three-year average reported number of cases equaling 2,733.0 and population count of 37,810,582 as of July 1, 2007.

Among counties with reliable rates, the crude case rate ranged from 15.8 in San Francisco County to 3.1 in San Bernardino County, a factor of 5.1 to 1.

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

**TABLE 23
REPORTED INCIDENCE OF TUBERCULOSIS
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2006-2008**

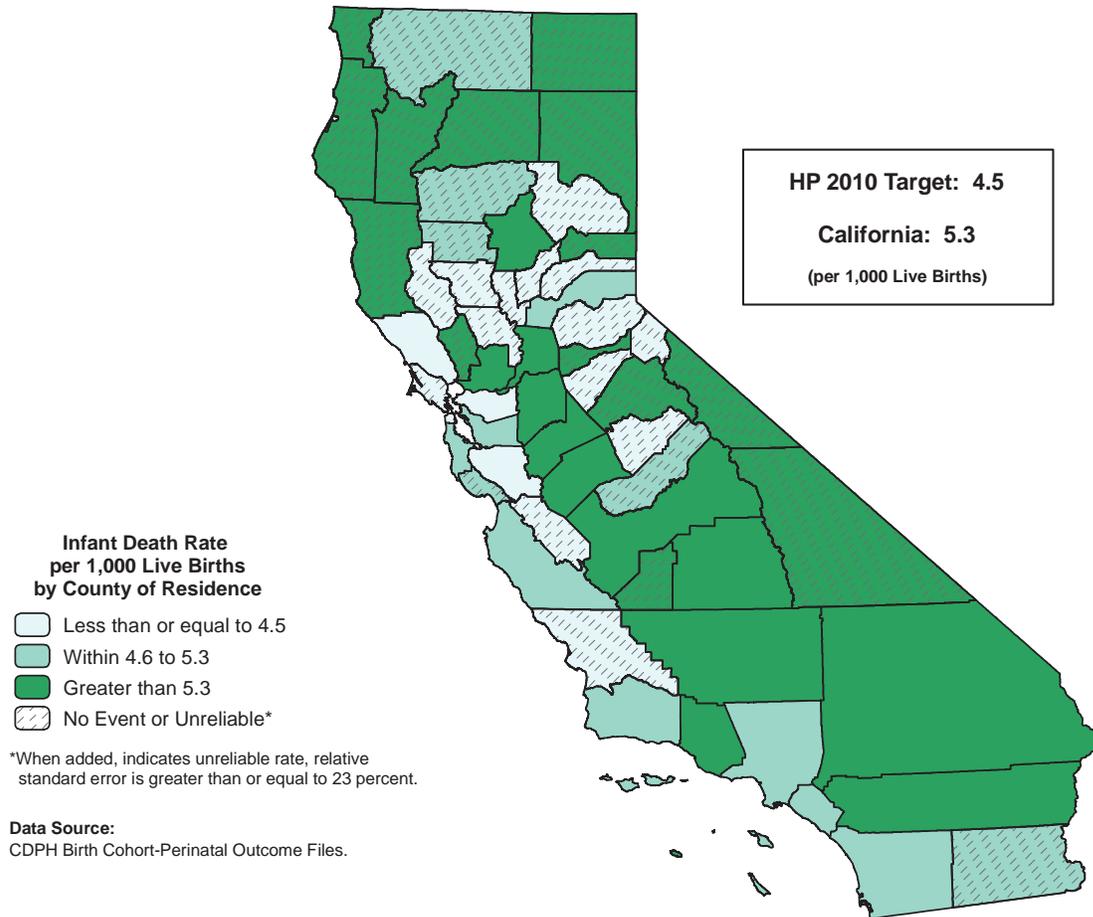
RANK ORDER	COUNTY OF RESIDENCE ¹	2007 POPULATION	2006-2008 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	TUOLUMNE	57,897	0.0	-	-	-
2	SISKIYOU	46,408	0.0	-	-	-
3	AMADOR	38,961	0.0	-	-	-
4	LASSEN	36,891	0.0	-	-	-
5	DEL NORTE	29,970	0.0	-	-	-
6	PLUMAS	21,602	0.0	-	-	-
7	INYO	18,936	0.0	-	-	-
8	MARIPOSA	18,613	0.0	-	-	-
9	MONO	14,118	0.0	-	-	-
10	MODOC	10,448	0.0	-	-	-
11	SIERRA	3,667	0.0	-	-	-
12	ALPINE	1,331	0.0	-	-	-
13	HUMBOLDT	132,512	0.3	0.3 *	0.0	1.1
14	CALAVERAS	46,121	0.3	0.7 *	0.0	3.2
15	SAN LUIS OBISPO	264,485	2.0	0.8 *	0.0	1.8
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (14-11)				1.0		
16	SAN BENITO	59,147	0.7	1.1 *	0.0	3.8
17	BUTTE	220,376	3.0	1.4 *	0.0	2.9
18	NEVADA	100,219	1.7	1.7 *	0.0	4.2
19	SHASTA	184,010	3.7	2.0 *	0.0	4.0
20	EL DORADO	180,511	3.7	2.0 *	0.0	4.1
21	LAKE	65,198	1.3	2.0 *	0.0	5.5
22	PLACER	327,388	7.0	2.1 *	0.6	3.7
23	TRINITY	14,688	0.3	2.3 *	0.0	10.0
24	MERCED	255,602	6.3	2.5 *	0.5	4.4
25	SONOMA	483,897	12.0	2.5 *	1.1	3.9
26	KINGS	154,154	4.3	2.8 *	0.2	5.5
27	SAN BERNARDINO	2,056,110	63.7	3.1	2.3	3.9
28	SANTA CRUZ	264,417	8.3	3.2 *	1.0	5.3
29	STANISLAUS	529,403	17.3	3.3 *	1.7	4.8
30	YOLO	195,895	6.7	3.4 *	0.8	6.0
31	SUTTER	95,584	3.3	3.5 *	0.0	7.2
32	MARIN	253,113	9.3	3.7 *	1.3	6.1
33	TEHAMA	62,795	2.3	3.7 *	0.0	8.5
34	RIVERSIDE	2,061,597	77.7	3.8	2.9	4.6
35	MENDOCINO	91,139	3.7	4.0 *	0.0	8.1
36	NAPA	137,125	5.7	4.1 *	0.7	7.5
37	COLUSA	22,366	1.0	4.5 *	0.0	13.2
38	GLENN	29,488	1.3	4.5 *	0.0	12.2
39	YUBA	74,674	3.7	4.9 *	0.0	9.9
40	SANTA BARBARA	423,291	21.0	5.0	2.8	7.1
41	KERN	817,095	43.3	5.3	3.7	6.9
42	MADERA	150,555	8.0	5.3 *	1.6	9.0
43	CONTRA COSTA	1,042,804	60.0	5.8	4.3	7.2
44	MONTEREY	424,769	25.0	5.9	3.6	8.2
45	TULARE	436,661	26.3	6.0	3.7	8.3
46	FRESNO	928,311	59.0	6.4	4.7	8.0
47	VENTURA	828,983	57.0	6.9	5.1	8.7
48	ORANGE	3,115,411	217.3	7.0	6.0	7.9
CALIFORNIA		37,810,582	2,733.0	7.2	7.0	7.5
49	SOLANO	426,866	31.7	7.4	4.8	10.0
50	SACRAMENTO	1,408,332	105.7	7.5	6.1	8.9
51	LOS ANGELES	10,323,161	878.3	8.5	7.9	9.1
52	SAN DIEGO	3,107,477	286.3	9.2	8.1	10.3
53	SAN JOAQUIN	690,102	65.0	9.4	7.1	11.7
54	ALAMEDA	1,520,763	146.3	9.6	8.1	11.2
55	SAN MATEO	728,905	76.0	10.4	8.1	12.8
56	SANTA CLARA	1,795,449	222.0	12.4	10.7	14.0
57	IMPERIAL	174,981	27.0	15.4	9.6	21.3
58	SAN FRANCISCO	805,810	127.0	15.8	13.0	18.5

- 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.

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

INFANT MORTALITY, ALL RACE/ETHNIC GROUPS, 2005-2007



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 2005 through 2007 three-year average number of infant deaths equaling 2,989.0 and 559,229.0 live births.

Among counties with reliable rates, the birth cohort infant death rate ranged from 7.8 in Butte County to 3.5 in San Francisco County, a factor of 2.2 to 1.

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

**TABLE 24A
 INFANT MORTALITY, ALL RACE/ETHNIC GROUPS
 RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
 CALIFORNIA COUNTIES, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	ALPINE	13.7	0.0	-	-	-
2	COLUSA	385.3	0.3	0.9 *	0.0	3.8
3	PLUMAS	178.0	0.3	1.9 *	0.0	8.2
4	LAKE	722.0	1.7	2.3 *	0.0	5.8
5	MARIPOSA	140.7	0.3	2.4 *	0.0	10.4
6	EL DORADO	1,950.0	6.3	3.2 *	0.7	5.8
7	SAN FRANCISCO	8,715.7	30.7	3.5	2.3	4.8
8	MARIN	2,781.0	10.0	3.6 *	1.4	5.8
9	SUTTER	1,519.7	6.0	3.9 *	0.8	7.1
10	YOLO	2,540.7	10.3	4.1 *	1.6	6.5
11	SANTA CLARA	26,997.3	110.7	4.1	3.3	4.9
12	SONOMA	5,751.0	23.7	4.1	2.5	5.8
13	CONTRA COSTA	13,403.0	57.7	4.3	3.2	5.4
14	YUBA	1,317.0	5.7	4.3 *	0.8	7.8
15	CALAVERAS	387.3	1.7	4.3 *	0.0	10.8
16	SAN LUIS OBISPO	2,759.0	12.0	4.3 *	1.9	6.8
17	NEVADA	822.3	3.7	4.5 *	0.0	9.0
18	SAN BENITO	886.3	4.0	4.5 *	0.1	8.9
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
19	MONTEREY	7,509.3	34.7	4.6	3.1	6.2
20	SANTA CRUZ	3,524.7	16.3	4.6 *	2.4	6.9
21	ALAMEDA	21,167.3	99.3	4.7	3.8	5.6
22	SISKIYOU	492.3	2.3	4.7 *	0.0	10.8
23	ORANGE	44,114.3	215.0	4.9	4.2	5.5
24	TEHAMA	818.7	4.0	4.9 *	0.1	9.7
25	SAN MATEO	9,887.3	48.3	4.9	3.5	6.3
26	IMPERIAL	3,111.3	15.3	4.9 *	2.5	7.4
27	SAN DIEGO	46,792.0	235.3	5.0	4.4	5.7
28	SANTA BARBARA	6,217.0	31.3	5.0	3.3	6.8
29	MADERA	2,528.0	13.0	5.1 *	2.3	7.9
30	PLACER	3,924.0	20.3	5.2	2.9	7.4
31	GLENN	440.3	2.3	5.3 *	0.0	12.1
32	LOS ANGELES	151,446.3	807.7	5.3	5.0	5.7
CALIFORNIA		559,229.0	2,989.0	5.3	5.2	5.5
33	RIVERSIDE	33,257.3	187.3	5.6	4.8	6.4
34	KINGS	2,673.0	15.3	5.7 *	2.9	8.6
35	SACRAMENTO	21,752.7	125.3	5.8	4.8	6.8
36	AMADOR	285.3	1.7	5.8 *	0.0	14.7
37	VENTURA	12,273.3	72.3	5.9	4.5	7.3
38	NAPA	1,693.0	10.0	5.9 *	2.2	9.6
39	SAN JOAQUIN	11,623.7	68.7	5.9	4.5	7.3
40	MERCED	4,620.7	28.0	6.1	3.8	8.3
41	SOLANO	5,796.7	35.7	6.2	4.1	8.2
42	HUMBOLDT	1,617.0	10.3	6.4 *	2.5	10.3
43	FRESNO	16,703.7	107.0	6.4	5.2	7.6
44	TULARE	8,321.7	53.7	6.4	4.7	8.2
45	KERN	14,823.0	96.7	6.5	5.2	7.8
46	SAN BERNARDINO	34,320.3	225.3	6.6	5.7	7.4
47	SHASTA	2,183.7	14.7	6.7 *	3.3	10.2
48	STANISLAUS	8,667.3	59.7	6.9	5.1	8.6
49	TUOLUMNE	471.7	3.3	7.1 *	0.0	14.7
50	BUTTE	2,536.0	19.7	7.8	4.3	11.2
51	MENDOCINO	1,128.0	9.0	8.0 *	2.8	13.2
52	LASSEN	271.0	3.0	11.1 *	0.0	23.6
53	DEL NORTE	349.0	4.0	11.5 *	0.2	22.7
54	MONO	169.0	2.0	11.8 *	0.0	28.2
55	MODOC	80.7	1.0	12.4 *	0.0	36.7
56	INYO	222.3	3.0	13.5 *	0.0	28.8
57	TRINITY	121.7	1.7	13.7 *	0.0	34.5
58	SIERRA	24.3	0.3	13.7 *	0.0	60.2

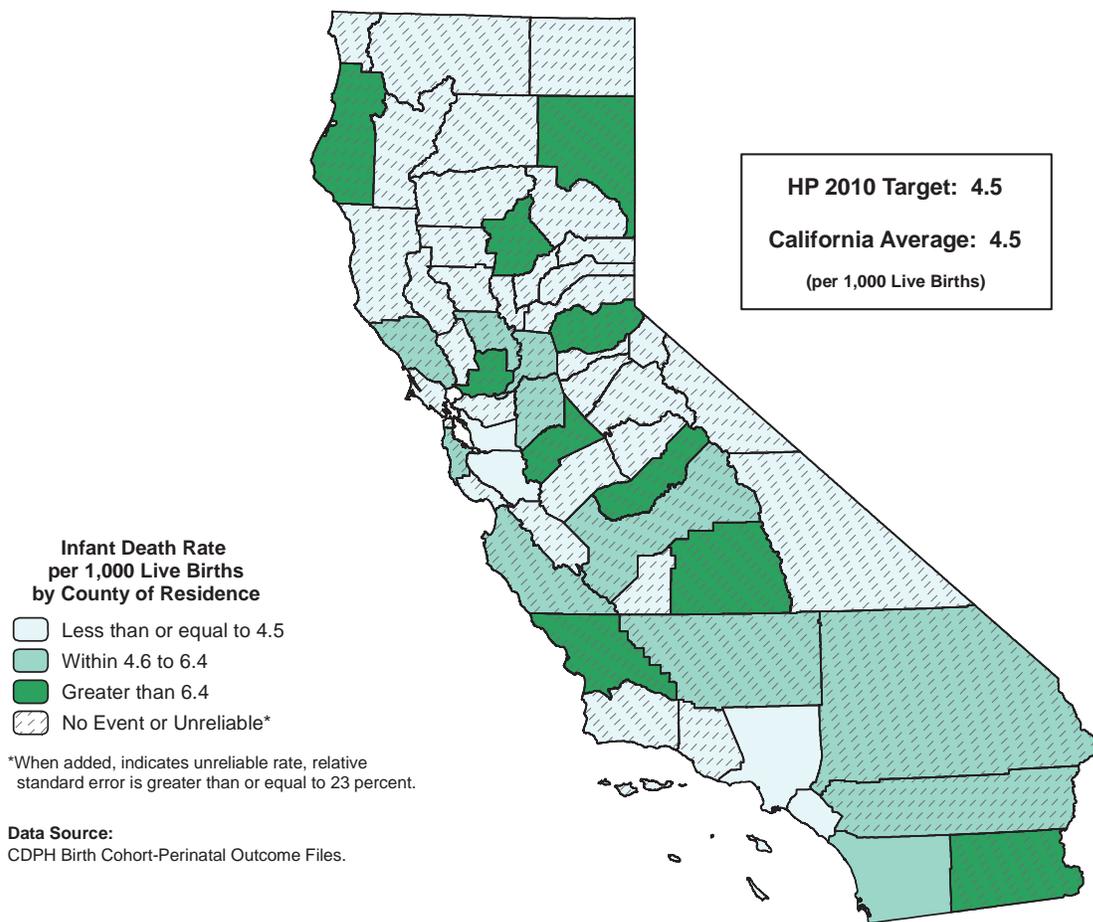
- Rates, percentages, and confidence limits are not calculated for zero events.

* 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: 2005-2007 Birth Cohort-Perinatal Outcome Files.

ASIAN/PACIFIC ISLANDER INFANT MORTALITY, 2005-2007



The Asian/Pacific Islander birth cohort infant death rate for California was 4.5 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 222 births. This rate was based on a 2005 through 2007 three-year average number of infant deaths equaling 298.7 infant deaths and 66,219.7 live births.

Among counties with reliable rates, the birth cohort infant death rate for Asian/Pacific Islanders ranged from 5.4 in San Diego County to 3.7 in Alameda County, a factor of 1.5 to 1.

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

TABLE 24B
ASIAN/PACIFIC ISLANDER INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2005-2007

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	SUTTER	209.7	0.0	-	-	-
2	YUBA	116.7	0.0	-	-	-
3	KINGS	95.7	0.0	-	-	-
4	SHASTA	80.7	0.0	-	-	-
5	SAN BENITO	16.0	0.0	-	-	-
6	MENDOCINO	15.0	0.0	-	-	-
7	GLENN	14.0	0.0	-	-	-
8	DEL NORTE	12.7	0.0	-	-	-
9	NEVADA	12.0	0.0	-	-	-
10	SISKIYOU	10.0	0.0	-	-	-
11	TEHAMA	9.0	0.0	-	-	-
12	CALAVERAS	8.3	0.0	-	-	-
13	LAKE	8.3	0.0	-	-	-
14	TUOLUMNE	7.7	0.0	-	-	-
15	AMADOR	6.3	0.0	-	-	-
16	MARIPOSA	2.7	0.0	-	-	-
17	INYO	2.3	0.0	-	-	-
18	COLUSA	2.0	0.0	-	-	-
19	MONO	1.7	0.0	-	-	-
20	PLUMAS	1.0	0.0	-	-	-
21	TRINITY	1.0	0.0	-	-	-
22	MODOC	0.3	0.0	-	-	-
23	ALPINE	0.0	0.0	-	-	-
24	SIERRA	0.0	0.0	-	-	-
25	MARIN	215.7	0.3	1.5 *	0.0	6.8
26	MERCED	325.3	0.7	2.0 *	0.0	7.0
27	SAN FRANCISCO	2,700.3	6.3	2.3 *	0.5	4.2
28	SANTA BARBARA	233.3	0.7	2.9 *	0.0	9.7
29	SANTA CRUZ	112.7	0.3	3.0 *	0.0	13.0
30	NAPA	107.3	0.3	3.1 *	0.0	13.6
31	ALAMEDA	5,636.7	21.0	3.7	2.1	5.3
32	PLACER	268.0	1.0	3.7 *	0.0	11.0
33	VENTURA	802.7	3.0	3.7 *	0.0	8.0
34	SANTA CLARA	8,689.3	32.7	3.8	2.5	5.0
35	ORANGE	7,172.7	29.7	4.1	2.6	5.6
36	CONTRA COSTA	1,978.3	8.7	4.4 *	1.5	7.3
37	LOS ANGELES	16,514.0	74.0	4.5	3.5	5.5
	CALIFORNIA	66,219.7	298.7	4.5	4.0	5.0
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)			4.5		
38	SONOMA	279.7	1.3	4.8 *	0.0	12.9
39	SACRAMENTO	3,540.3	17.3	4.9 *	2.6	7.2
40	SAN MATEO	2,548.0	12.7	5.0 *	2.2	7.7
41	SAN BERNARDINO	1,861.3	9.3	5.0 *	1.8	8.2
42	MONTEREY	332.0	1.7	5.0 *	0.0	12.6
43	YOLO	255.0	1.3	5.2 *	0.0	14.1
44	SAN DIEGO	4,595.0	25.0	5.4	3.3	7.6
45	FRESNO	1,601.3	9.3	5.8 *	2.1	9.6
46	SAN JOAQUIN	1,670.7	10.3	6.2 *	2.4	10.0
47	KERN	472.3	3.0	6.4 *	0.0	13.5
48	RIVERSIDE	1,671.0	10.7	6.4 *	2.6	10.2
49	SOLANO	847.0	6.0	7.1 *	1.4	12.8
50	TULARE	255.7	2.0	7.8 *	0.0	18.7
51	EL DORADO	83.0	0.7	8.0 *	0.0	27.3
52	STANISLAUS	453.0	3.7	8.1 *	0.0	16.4
53	MADERA	41.0	0.3	8.1 *	0.0	35.7
54	IMPERIAL	34.0	0.3	9.8 *	0.0	43.1
55	BUTTE	159.3	2.0	12.6 *	0.0	29.9
56	HUMBOLDT	54.7	1.0	18.3 *	0.0	54.1
57	SAN LUIS OBISPO	71.7	1.7	23.3 *	0.0	58.6
58	LASSEN	4.3	0.3	76.9 *	0.0	338.1

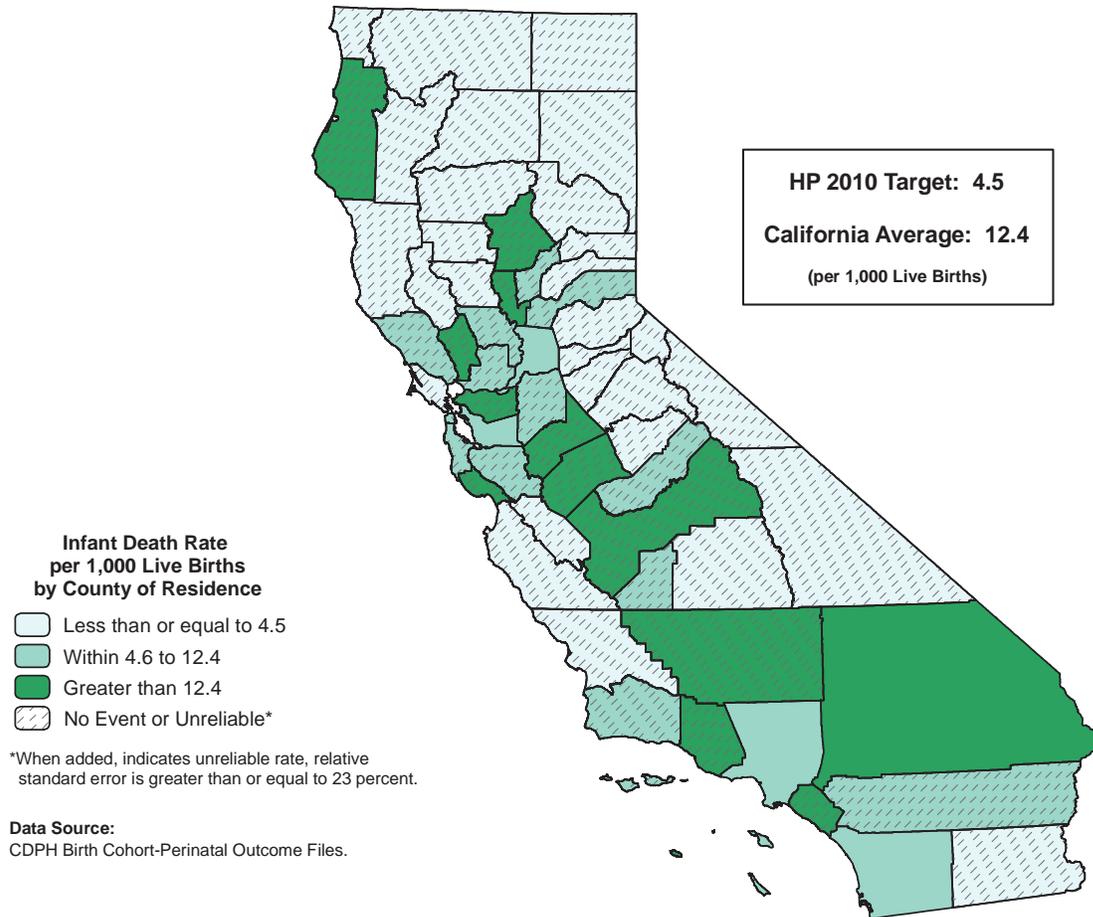
- Rates, percentages, and confidence limits are not calculated for zero events.

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

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

Source: California Department of Public Health: 2005-2007 Birth Cohort-Perinatal Outcome Files.

BLACK INFANT MORTALITY, 2005-2007



The Black birth cohort infant death rate for California was 12.4 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 2005 through 2007 three-year average number of infant deaths equaling 364.0 and 29,451.7 live births.

Among counties with reliable rates, the birth cohort infant death rate for Blacks ranged from 15.6 in San Bernardino County to 10.6 in San Diego County, a factor of 1.5 to 1.

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

**TABLE 24C
BLACK INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	MARIN	51.0	0.0	-	-	-
2	IMPERIAL	24.3	0.0	-	-	-
3	SHASTA	23.3	0.0	-	-	-
4	SAN LUIS OBISPO	20.3	0.0	-	-	-
5	LAKE	11.3	0.0	-	-	-
6	EL DORADO	9.0	0.0	-	-	-
7	SISKIYOU	5.7	0.0	-	-	-
8	MENDOCINO	3.3	0.0	-	-	-
9	NEVADA	3.3	0.0	-	-	-
10	SAN BENITO	3.3	0.0	-	-	-
11	LASSEN	3.0	0.0	-	-	-
12	GLENN	2.7	0.0	-	-	-
13	CALAVERAS	2.3	0.0	-	-	-
14	TEHAMA	2.3	0.0	-	-	-
15	PLUMAS	1.7	0.0	-	-	-
16	COLUSA	1.3	0.0	-	-	-
17	MARIPOSA	1.0	0.0	-	-	-
18	MONO	1.0	0.0	-	-	-
19	AMADOR	0.7	0.0	-	-	-
20	DEL NORTE	0.3	0.0	-	-	-
21	INYO	0.3	0.0	-	-	-
22	TUOLUMNE	0.3	0.0	-	-	-
23	ALPINE	0.0	0.0	-	-	-
24	MODOC	0.0	0.0	-	-	-
25	SIERRA	0.0	0.0	-	-	-
26	TRINITY	0.0	0.0	-	-	-
27	MONTEREY	98.3	0.3	3.4 *	0.0	14.9
28	TULARE	91.3	0.3	3.6 *	0.0	16.0
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
29	SANTA BARBARA	68.3	0.3	4.9 *	0.0	21.4
30	KINGS	115.7	0.7	5.8 *	0.0	19.6
31	YOLO	47.3	0.3	7.0 *	0.0	30.9
32	PLACER	40.7	0.3	8.2 *	0.0	36.0
33	MADERA	38.7	0.3	8.6 *	0.0	37.9
34	SANTA CLARA	551.0	5.7	10.3 *	1.8	18.8
35	SAN JOAQUIN	795.0	8.3	10.5 *	3.4	17.6
36	SAN FRANCISCO	539.0	5.7	10.5 *	1.9	19.2
37	SAN DIEGO	2,100.7	22.3	10.6	6.2	15.0
38	YUBA	31.0	0.3	10.8 *	0.0	47.3
39	SOLANO	711.0	8.0	11.3 *	3.5	19.0
40	ALAMEDA	2,484.3	28.0	11.3	7.1	15.4
41	SAN MATEO	204.3	2.3	11.4 *	0.0	26.1
42	RIVERSIDE	1,573.3	18.0	11.4 *	6.2	16.7
43	SONOMA	57.7	0.7	11.6 *	0.0	39.3
44	SACRAMENTO	2,193.3	26.0	11.9	7.3	16.4
45	LOS ANGELES	10,971.7	131.7	12.0	10.0	14.1
CALIFORNIA		29,451.7	364.0	12.4	11.1	13.6
46	CONTRA COSTA	1,196.0	15.0	12.5 *	6.2	18.9
47	ORANGE	458.7	6.0	13.1 *	2.6	23.5
48	SUTTER	24.0	0.3	13.9 *	0.0	61.0
49	SAN BERNARDINO	2,770.3	43.3	15.6	11.0	20.3
50	NAPA	20.3	0.3	16.4 *	0.0	72.0
51	FRESNO	852.3	14.3	16.8 *	8.1	25.5
52	KERN	747.0	12.7	17.0 *	7.6	26.3
53	MERCED	132.3	2.3	17.6 *	0.0	40.3
54	HUMBOLDT	15.3	0.3	21.7 *	0.0	95.5
55	SANTA CRUZ	14.0	0.3	23.8 *	0.0	104.6
56	VENTURA	134.0	3.3	24.9 *	0.0	51.6
57	BUTTE	37.7	1.0	26.5 *	0.0	78.6
58	STANISLAUS	165.0	5.0	30.3 *	3.7	56.9

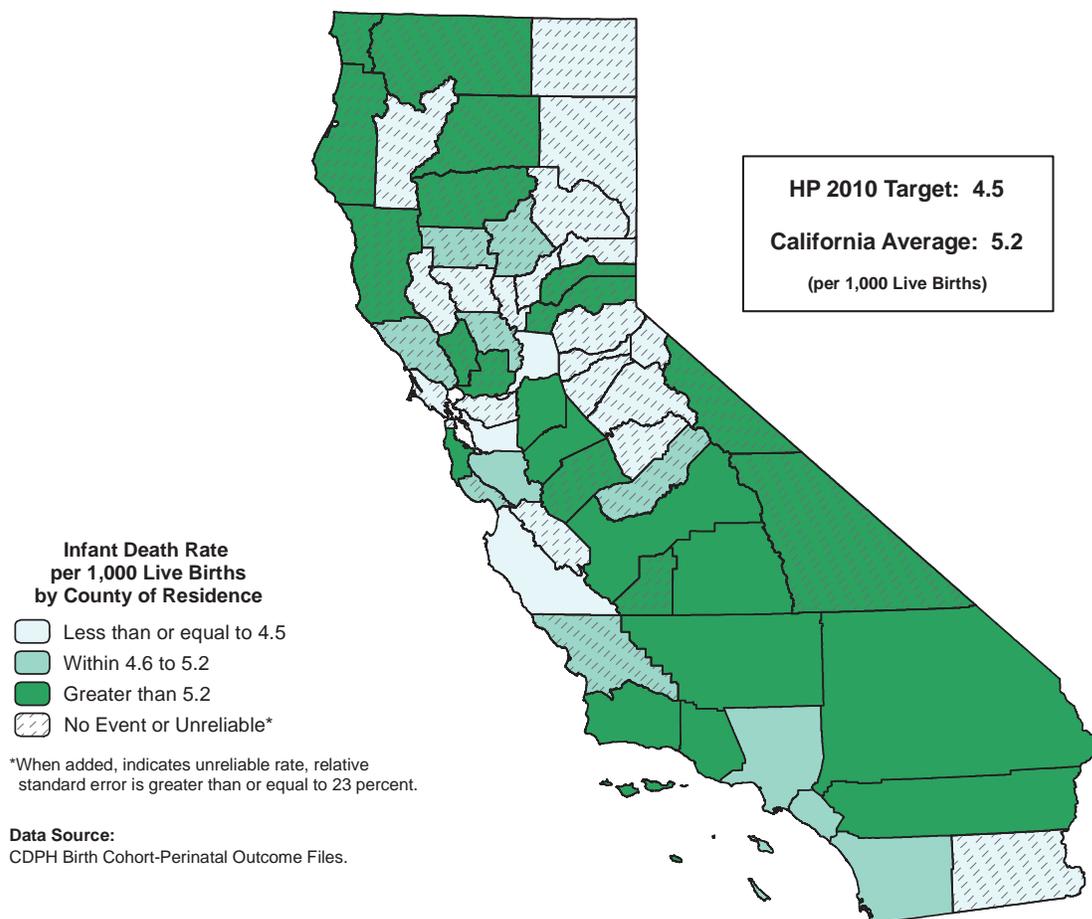
- Rates, percentages, and confidence limits are not calculated for zero events.

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

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

Source: California Department of Public Health: 2005-2007 Birth Cohort-Perinatal Outcome Files.

HISPANIC INFANT MORTALITY, 2005-2007



The Hispanic birth cohort infant death rate for California was 5.2 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 193 births. This rate was based on a 2005 through 2007 three-year average number of infant deaths equaling 1,509.0 and 291,121.3 live births.

Among counties with reliable rates, the birth cohort infant death rate for Hispanics ranged from 7.3 in Stanislaus County to 3.6 in Alameda County, a factor of 2.0 to 1.

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

**TABLE 24D
HISPANIC INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	EL DORADO	423.0	0.0	-	-	-
2	COLUSA	270.7	0.0	-	-	-
3	TUOLUMNE	70.0	0.0	-	-	-
4	CALAVERAS	52.0	0.0	-	-	-
5	AMADOR	41.7	0.0	-	-	-
6	LASSEN	36.3	0.0	-	-	-
7	PLUMAS	21.7	0.0	-	-	-
8	MARIPOSA	13.3	0.0	-	-	-
9	MODOC	10.3	0.0	-	-	-
10	TRINITY	10.0	0.0	-	-	-
11	SIERRA	3.7	0.0	-	-	-
12	ALPINE	0.7	0.0	-	-	-
13	LAKE	178.7	0.3	1.9 *	0.0	8.2
14	MARIN	745.3	2.3	3.1 *	0.0	7.1
15	CONTRA COSTA	4,829.3	16.0	3.3 *	1.7	4.9
16	SUTTER	587.3	2.0	3.4 *	0.0	8.1
17	SAN BENITO	646.0	2.3	3.6 *	0.0	8.2
18	ALAMEDA	6,799.7	24.7	3.6	2.2	5.1
19	SACRAMENTO	6,449.0	25.3	3.9	2.4	5.5
20	SAN FRANCISCO	1,864.7	7.3	3.9 *	1.1	6.8
21	YUBA	392.0	1.7	4.3 *	0.0	10.7
22	MONTEREY	5,604.7	24.7	4.4	2.7	6.1
23	IMPERIAL	2,790.0	12.7	4.5 *	2.0	7.0
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
24	SANTA CRUZ	1,968.3	9.0	4.6 *	1.6	7.6
25	BUTTE	505.7	2.3	4.6 *	0.0	10.5
26	SONOMA	2,490.7	11.7	4.7 *	2.0	7.4
27	SANTA CLARA	9,987.3	47.0	4.7	3.4	6.1
28	YOLO	1,115.0	5.3	4.8 *	0.7	8.8
29	GLENN	206.3	1.0	4.8 *	0.0	14.3
30	MADERA	1,845.3	9.0	4.9 *	1.7	8.1
31	SAN DIEGO	20,776.3	104.7	5.0	4.1	6.0
32	ORANGE	22,677.7	114.7	5.1	4.1	6.0
33	SAN LUIS OBISPO	982.7	5.0	5.1 *	0.6	9.5
34	LOS ANGELES	95,707.3	489.0	5.1	4.7	5.6
CALIFORNIA		291,121.3	1,509.0	5.2	4.9	5.4
35	SAN JOAQUIN	5,957.0	31.3	5.3	3.4	7.1
36	SANTA BARBARA	4,099.0	21.7	5.3	3.1	7.5
37	KINGS	1,568.3	8.3	5.3 *	1.7	8.9
38	MERCED	3,028.7	16.3	5.4 *	2.8	8.0
39	SAN BERNARDINO	20,378.0	110.7	5.4	4.4	6.4
40	NEVADA	122.7	0.7	5.4 *	0.0	18.5
41	RIVERSIDE	20,135.3	112.3	5.6	4.5	6.6
42	PLACER	766.7	4.3	5.7 *	0.3	11.0
43	SAN MATEO	3,319.7	19.3	5.8	3.2	8.4
44	KERN	8,971.0	53.3	5.9	4.3	7.5
45	SOLANO	2,044.0	12.3	6.0 *	2.7	9.4
46	FRESNO	10,288.0	62.3	6.1	4.6	7.6
47	TULARE	5,990.7	36.7	6.1	4.1	8.1
48	HUMBOLDT	215.7	1.3	6.2 *	0.0	16.7
49	VENTURA	7,232.3	47.7	6.6	4.7	8.5
50	SHASTA	233.3	1.7	7.1 *	0.0	18.0
51	TEHAMA	275.7	2.0	7.3 *	0.0	17.3
52	STANISLAUS	4,765.7	34.7	7.3	4.9	9.7
53	NAPA	915.0	6.7	7.3 *	1.8	12.8
54	MENDOCINO	406.7	3.0	7.4 *	0.0	15.7
55	SISKIYOU	84.7	0.7	7.9 *	0.0	26.8
56	INYO	73.7	0.7	9.0 *	0.0	30.8
57	MONO	85.7	1.3	15.6 *	0.0	42.0
58	DEL NORTE	61.3	1.7	27.2 *	0.0	68.4

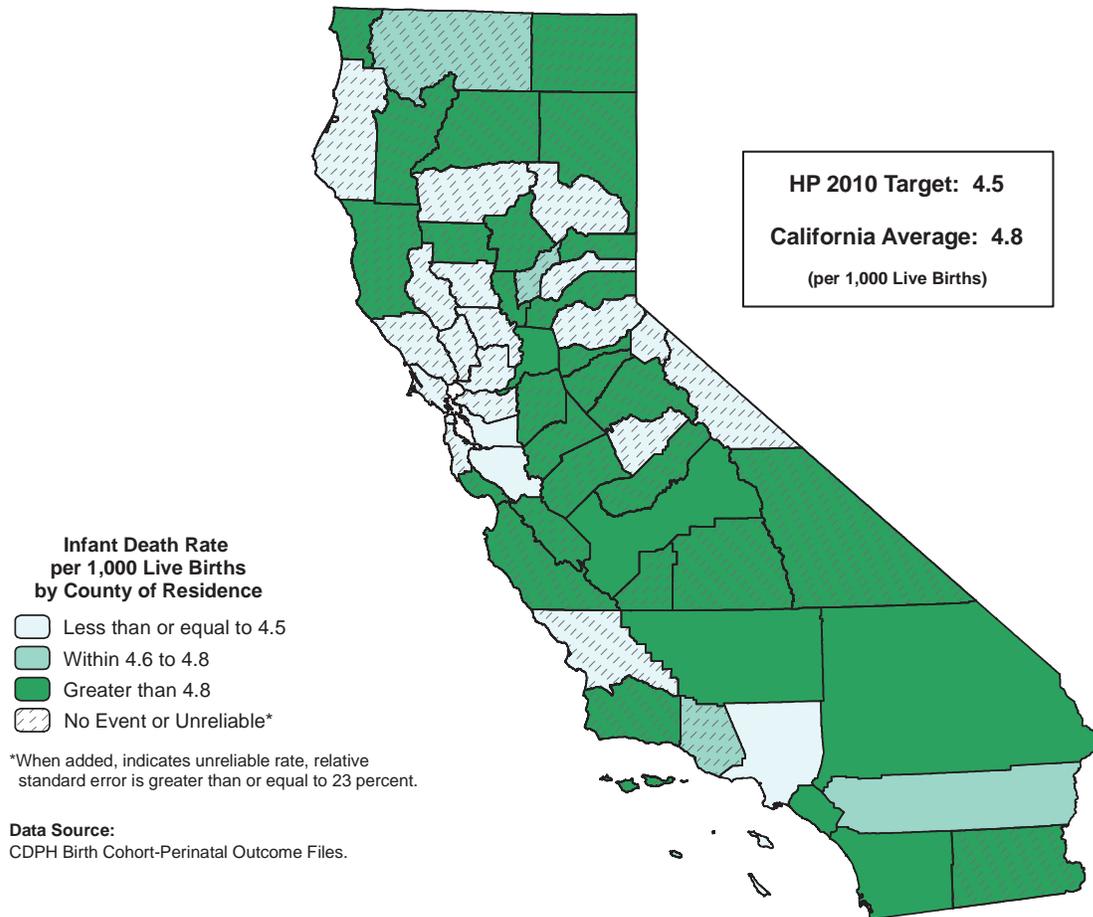
- Rates, percentages, and confidence limits are not calculated for zero events.

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

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

Source: California Department of Public Health: 2005-2007 Birth Cohort-Perinatal Outcome Files.

WHITE INFANT MORTALITY, 2005-2007



The White birth cohort infant death rate for California was 4.8 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 208 births. This rate was based on a 2005 through 2007 three-year average number of infant deaths equaling 740.3 and 154,060.0 live births.

Among counties with reliable rates, the birth cohort infant death rate for Whites ranged from 6.5 in San Bernardino County to 3.7 in Los Angeles County, a factor of 1.8 to 1.

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

**TABLE 24E
WHITE INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2005-2007**

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE		BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS	
		LIVE BIRTHS	INFANT DEATHS		LOWER	UPPER
1	ALPINE	7.0	0.0	-	-	-
2	LAKE	477.7	1.0	2.1 *	0.0	6.2
3	PLUMAS	146.7	0.3	2.3 *	0.0	10.0
4	YOLO	1,051.7	2.7	2.5 *	0.0	5.6
5	MARIPOSA	115.7	0.3	2.9 *	0.0	12.7
6	SAN FRANCISCO	3,372.0	10.0	3.0 *	1.1	4.8
7	CONTRA COSTA	4,791.7	14.7	3.1 *	1.5	4.6
8	SAN LUIS OBISPO	1,588.0	5.0	3.1 *	0.4	5.9
9	COLUSA	100.3	0.3	3.3 *	0.0	14.6
10	SONOMA	2,713.3	9.7	3.6 *	1.3	5.8
11	LOS ANGELES	25,766.0	96.3	3.7	3.0	4.5
12	NAPA	618.3	2.3	3.8 *	0.0	8.6
13	SANTA CLARA	6,141.7	24.0	3.9	2.3	5.5
14	ALAMEDA	5,378.7	21.3	4.0	2.3	5.6
15	TEHAMA	497.7	2.0	4.0 *	0.0	9.6
16	MARIN	1,717.7	7.0	4.1 *	1.1	7.1
17	EL DORADO	1,372.7	5.7	4.1 *	0.7	7.5
18	HUMBOLDT	1,123.3	4.7	4.2 *	0.4	7.9
19	SOLANO	1,897.7	8.0	4.2 *	1.3	7.1
20	SAN MATEO	3,137.7	13.3	4.2 *	2.0	6.5
21	MONO	76.0	0.3	4.4 *	0.0	19.3
22	NEVADA	660.3	3.0	4.5 *	0.0	9.7
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-1c)				4.5		
23	YUBA	726.3	3.3	4.6 *	0.0	9.5
24	VENTURA	3,769.7	17.3	4.6 *	2.4	6.8
25	RIVERSIDE	8,973.7	41.3	4.6	3.2	6.0
26	SISKIYOU	348.0	1.7	4.8 *	0.0	12.1
CALIFORNIA		154,060.0	740.3	4.8	4.5	5.2
27	STANISLAUS	3,007.7	14.7	4.9 *	2.4	7.4
28	SANTA BARBARA	1,683.7	8.3	4.9 *	1.6	8.3
29	ORANGE	12,821.0	64.0	5.0	3.8	6.2
30	SANTA CRUZ	1,318.0	6.7	5.1 *	1.2	8.9
31	SAN DIEGO	15,189.3	77.0	5.1	3.9	6.2
32	PLACER	2,709.7	14.3	5.3 *	2.6	8.0
33	FRESNO	3,640.7	19.7	5.4	3.0	7.8
34	SAN JOAQUIN	2,867.3	15.7	5.5 *	2.8	8.2
35	CALAVERAS	301.7	1.7	5.5 *	0.0	13.9
36	SUTTER	660.3	3.7	5.6 *	0.0	11.2
37	MONTEREY	1,349.7	7.7	5.7 *	1.7	9.7
38	SACRAMENTO	8,635.7	49.3	5.7	4.1	7.3
39	KERN	4,353.3	25.7	5.9	3.6	8.2
40	MADERA	560.0	3.3	6.0 *	0.0	12.3
41	SAN BERNARDINO	8,628.7	56.0	6.5	4.8	8.2
42	GLENN	205.3	1.3	6.5 *	0.0	17.5
43	TULARE	1,857.7	13.0	7.0 *	3.2	10.8
44	KINGS	837.7	6.0	7.2 *	1.4	12.9
45	SHASTA	1,732.7	12.7	7.3 *	3.3	11.3
46	AMADOR	217.7	1.7	7.7 *	0.0	19.3
47	MERCED	1,081.0	8.3	7.7 *	2.5	12.9
48	MENDOCINO	588.0	4.7	7.9 *	0.7	15.1
49	TUOLUMNE	373.7	3.0	8.0 *	0.0	17.1
50	SAN BENITO	207.3	1.7	8.0 *	0.0	20.2
51	BUTTE	1,693.3	13.7	8.1 *	3.8	12.3
52	DEL NORTE	225.0	2.0	8.9 *	0.0	21.2
53	IMPERIAL	239.7	2.3	9.7 *	0.0	22.2
54	MODOC	63.7	0.7	10.5 *	0.0	35.6
55	INYO	111.0	1.3	12.0 *	0.0	32.4
56	LASSEN	213.0	2.7	12.5 *	0.0	27.5
57	SIERRA	20.0	0.3	16.7 *	0.0	73.2
58	TRINITY	97.3	1.7	17.1 *	0.0	43.1

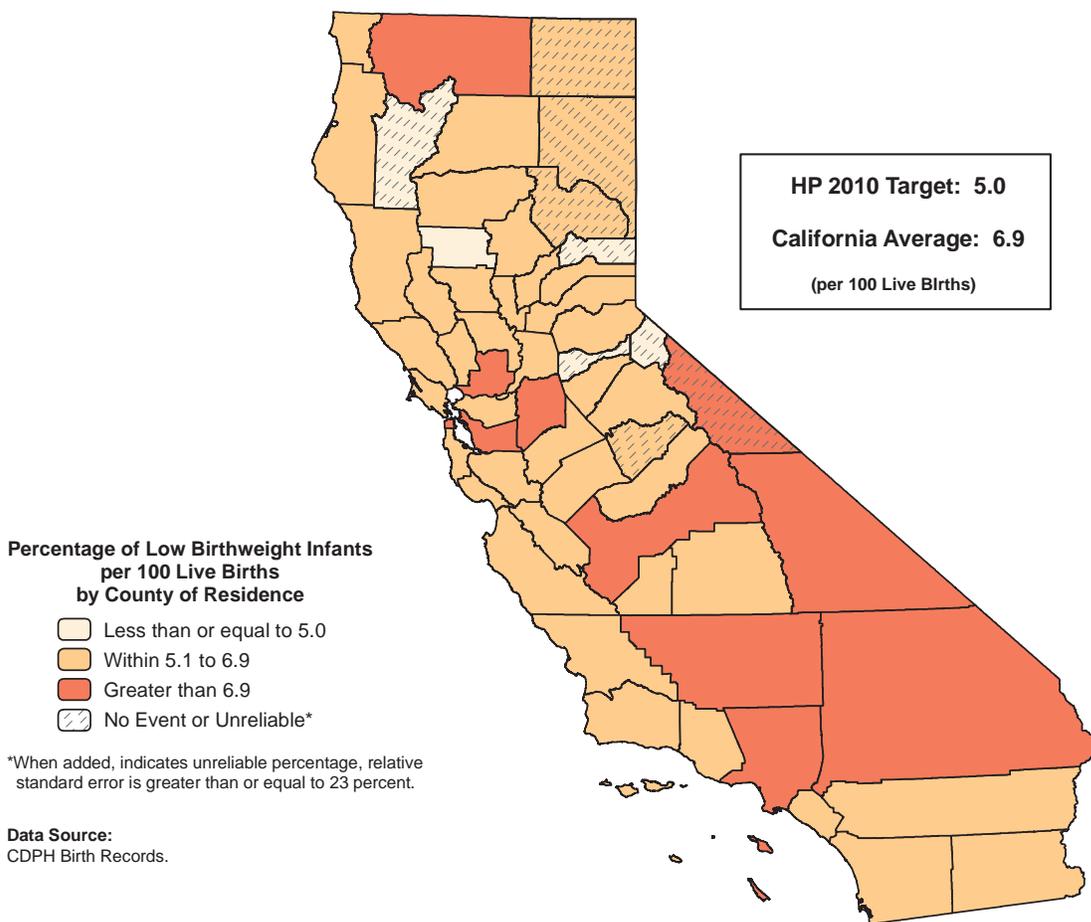
- Rates, percentages, and confidence limits are not calculated for zero events.

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

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

Source: California Department of Public Health: 2005-2007 Birth Cohort-Perinatal Outcome Files.

LOW BIRTHWEIGHT INFANTS, 2006-2008



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 2006 through 2008 three-year average number of low birthweight infants equaling 38,367.7 and 559,936.0 live births.

Among counties with reliable percentages, the percent of low birthweight infants ranged from 9.4 in Inyo County to 4.5 in Glenn County, a factor of 2.1 to 1.

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

**TABLE 25
LOW BIRTHWEIGHT INFANTS
RANKED BY THREE-YEAR AVERAGE LOW BIRTHWEIGHT PERCENTAGE
CALIFORNIA COUNTIES, 2006-2008**

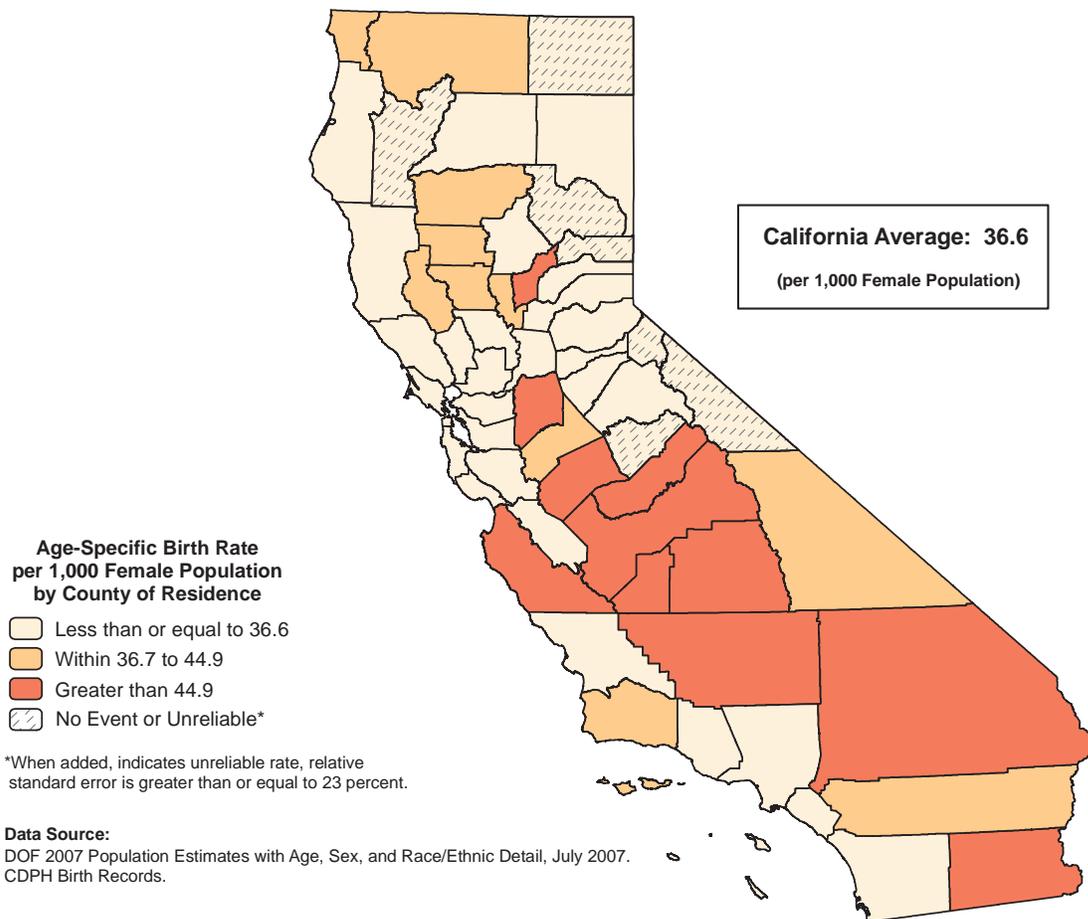
RANK ORDER	COUNTY OF RESIDENCE	2006-2008 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		LIVE BIRTHS	LOW BIRTHWEIGHT		LOWER	UPPER
			NUMBER	PERCENT		
1	ALPINE	13.0	0.3	2.6 *	0.0	11.3
2	GLENN	453.7	20.3	4.5	2.5	6.4
3	AMADOR	285.3	14.0	4.9 *	2.3	7.5
4	TRINITY	121.7	6.0	4.9 *	1.0	8.9
5	SIERRA	20.0	1.0	5.0 *	0.0	14.8
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-10a)				5.0		
6	PLUMAS	177.7	9.0	5.1 *	1.8	8.4
7	TEHAMA	791.0	41.3	5.2	3.6	6.8
8	TUOLUMNE	485.0	25.7	5.3	3.2	7.3
9	YOLO	2,612.3	138.7	5.3	4.4	6.2
10	LASSEN	282.0	15.0	5.3 *	2.6	8.0
11	MODOC	84.0	4.7	5.6 *	0.5	10.6
12	SUTTER	1,514.0	84.7	5.6	4.4	6.8
13	SONOMA	5,799.7	327.7	5.6	5.0	6.3
14	CALAVERAS	387.7	22.0	5.7	3.3	8.0
15	DEL NORTE	344.3	19.7	5.7	3.2	8.2
16	MONTEREY	7,486.3	429.3	5.7	5.2	6.3
17	MARIPOSA	149.0	8.7	5.8 *	1.9	9.7
18	SANTA CRUZ	3,569.7	208.7	5.8	5.1	6.6
19	COLUSA	380.7	22.3	5.9	3.4	8.3
20	BUTTE	2,556.3	150.3	5.9	4.9	6.8
21	LAKE	714.0	42.0	5.9	4.1	7.7
22	PLACER	3,992.7	235.0	5.9	5.1	6.6
23	HUMBOLDT	1,614.3	96.3	6.0	4.8	7.2
24	SHASTA	2,202.3	132.3	6.0	5.0	7.0
25	SAN LUIS OBISPO	2,782.7	169.0	6.1	5.2	7.0
26	MADERA	2,589.0	159.3	6.2	5.2	7.1
27	SANTA BARBARA	6,257.7	385.7	6.2	5.5	6.8
28	TULARE	8,440.7	522.7	6.2	5.7	6.7
29	MERCED	4,605.0	286.0	6.2	5.5	6.9
30	YUBA	1,318.0	82.0	6.2	4.9	7.6
31	NAPA	1,696.7	105.7	6.2	5.0	7.4
32	NEVADA	839.7	52.3	6.2	4.5	7.9
33	MARIN	2,756.3	175.7	6.4	5.4	7.3
34	KINGS	2,724.3	174.3	6.4	5.4	7.3
35	EL DORADO	1,910.3	122.3	6.4	5.3	7.5
36	ORANGE	43,571.0	2,800.0	6.4	6.2	6.7
37	STANISLAUS	8,700.7	563.7	6.5	5.9	7.0
38	IMPERIAL	3,165.3	205.3	6.5	5.6	7.4
39	MENDOCINO	1,139.7	74.0	6.5	5.0	8.0
40	SAN BENITO	861.0	56.3	6.5	4.8	8.3
41	SAN MATEO	9,827.3	648.7	6.6	6.1	7.1
42	SANTA CLARA	27,050.7	1,794.0	6.6	6.3	6.9
43	RIVERSIDE	33,693.0	2,236.7	6.6	6.4	6.9
44	VENTURA	12,241.0	815.0	6.7	6.2	7.1
45	SAN DIEGO	47,054.3	3,152.0	6.7	6.5	6.9
46	CONTRA COSTA	13,395.3	899.0	6.7	6.3	7.2
47	SACRAMENTO	21,814.0	1,493.3	6.8	6.5	7.2
CALIFORNIA		559,936.0	38,367.7	6.9	6.8	6.9
48	SAN JOAQUIN	11,466.7	802.0	7.0	6.5	7.5
49	SAN BERNARDINO	34,549.0	2,436.3	7.1	6.8	7.3
50	KERN	15,246.7	1,089.7	7.1	6.7	7.6
51	ALAMEDA	21,181.7	1,525.7	7.2	6.8	7.6
52	SOLANO	5,751.7	416.3	7.2	6.5	7.9
53	SAN FRANCISCO	8,945.0	654.0	7.3	6.8	7.9
54	LOS ANGELES	150,444.0	11,060.7	7.4	7.2	7.5
55	FRESNO	16,975.0	1,276.3	7.5	7.1	7.9
56	SISKIYOU	501.0	39.7	7.9	5.5	10.4
57	INYO	229.3	21.7	9.4	5.5	13.4
58	MONO	175.7	17.3	9.9 *	5.2	14.5

* 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: 2006-2008 Birth Statistical Master Files.

BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD, 2006-2008



The age-specific birth rate to adolescents aged 15 to 19 in California was 36.6 per 1,000 female population, a rate equivalent to approximately one birth for every 27 adolescent females. This rate was based on a 2006 through 2008 three-year average number of births of 52,622.3 and female population count of 1,438,740 as of July 1, 2007.

Among counties with reliable rates, the age-specific rate ranged from 63.7 in Kern County to 12.3 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, 2006-2008**

RANK ORDER	COUNTY OF RESIDENCE	2007 FEMALE POPULATION 15-19 YRS OLD	2006-2008 LIVE BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTH RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE		
1	SIERRA	110	0.7	6.1 *	0.0	20.6
2	MARIN	7,278	89.3	12.3	9.7	14.8
3	PLACER	12,894	200.3	15.5	13.4	17.7
4	EL DORADO	7,365	115.3	15.7	12.8	18.5
5	NEVADA	3,709	62.7	16.9	12.7	21.1
6	MARIPOSA	634	11.3	17.9 *	7.5	28.3
7	PLUMAS	755	14.0	18.5 *	8.8	28.3
8	AMADOR	1,199	23.3	19.5	11.6	27.4
9	CALAVERAS	1,685	34.7	20.6	13.7	27.4
10	SAN LUIS OBISPO	10,294	216.0	21.0	18.2	23.8
11	TRINITY	528	11.3	21.5 *	9.0	34.0
12	SAN MATEO	21,552	463.7	21.5	19.6	23.5
13	SAN FRANCISCO	13,762	306.0	22.2	19.7	24.7
14	YOLO	9,849	219.3	22.3	19.3	25.2
15	CONTRA COSTA	38,427	874.0	22.7	21.2	24.3
16	LASSEN	1,158	28.7	24.8	15.7	33.8
17	SONOMA	17,256	432.7	25.1	22.7	27.4
18	MODOC	369	9.3	25.3 *	9.1	41.5
19	SANTA CLARA	57,271	1,459.0	25.5	24.2	26.8
20	ALAMEDA	50,223	1,345.3	26.8	25.4	28.2
21	NAPA	4,725	129.0	27.3	22.6	32.0
22	TUOLUMNE	1,808	49.7	27.5	19.8	35.1
23	ORANGE	111,363	3,086.0	27.7	26.7	28.7
24	MONO	465	13.3	28.7 *	13.3	44.1
25	BUTTE	9,062	267.7	29.5	26.0	33.1
26	SOLANO	16,651	501.7	30.1	27.5	32.8
27	HUMBOLDT	4,827	147.0	30.5	25.5	35.4
28	SANTA CRUZ	9,252	301.3	32.6	28.9	36.2
29	SHASTA	7,155	245.0	34.2	30.0	38.5
30	SAN DIEGO	112,380	3,859.3	34.3	33.3	35.4
31	MENDOCINO	3,304	114.7	34.7	28.4	41.1
32	SAN BENITO	2,498	87.7	35.1	27.7	42.4
33	VENTURA	31,731	1,134.3	35.7	33.7	37.8
34	ALPINE	46	1.7	36.2 *	0.0	91.2
35	LOS ANGELES	399,306	14,546.0	36.4	35.8	37.0
36	SACRAMENTO	54,736	1,998.0	36.5	34.9	38.1
CALIFORNIA		1,438,740	52,622.3	36.6	36.3	36.9
37	INYO	722	26.7	36.9	22.9	51.0
38	SISKIYOU	1,695	65.7	38.7	29.4	48.1
39	SUTTER	3,732	148.0	39.7	33.3	46.0
40	DEL NORTE	1,105	45.3	41.0	29.1	53.0
41	RIVERSIDE	92,180	3,792.3	41.1	39.8	42.4
42	COLUSA	956	40.3	42.2	29.2	55.2
43	LAKE	2,379	101.7	42.7	34.4	51.0
44	SANTA BARBARA	16,245	700.7	43.1	39.9	46.3
45	STANISLAUS	23,153	1,006.3	43.5	40.8	46.1
46	GLENN	1,272	55.3	43.5	32.0	55.0
47	TEHAMA	2,481	108.3	43.7	35.4	51.9
48	SAN JOAQUIN	29,555	1,361.3	46.1	43.6	48.5
49	SAN BERNARDINO	92,775	4,273.7	46.1	44.7	47.4
50	YUBA	3,249	151.3	46.6	39.2	54.0
51	MERCED	11,474	617.7	53.8	49.6	58.1
52	IMPERIAL	8,275	459.7	55.5	50.5	60.6
53	FRESNO	40,408	2,263.7	56.0	53.7	58.3
54	MONTEREY	15,520	871.7	56.2	52.4	59.9
55	TULARE	19,469	1,193.0	61.3	57.8	64.8
56	MADERA	6,098	375.7	61.6	55.4	67.8
57	KINGS	5,791	361.3	62.4	56.0	68.8
58	KERN	34,579	2,203.3	63.7	61.1	66.4

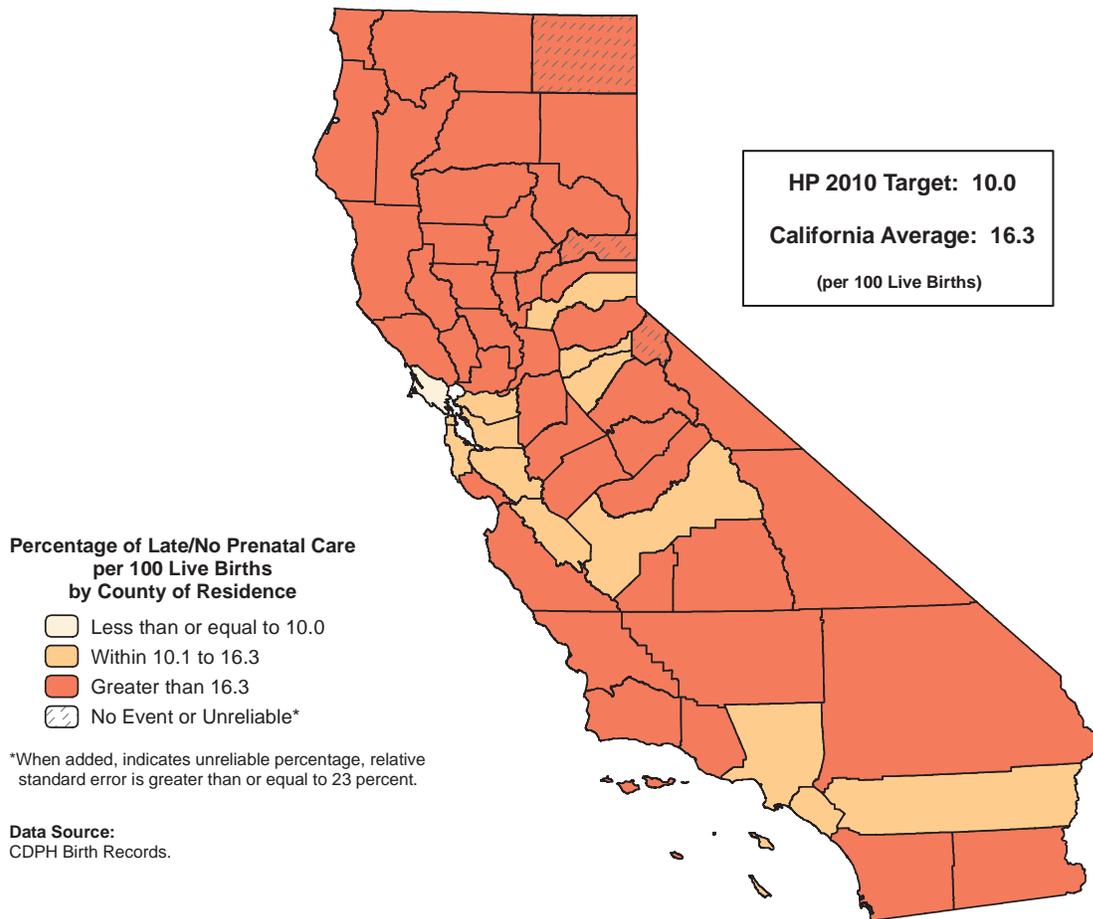
* Percentage unreliable, relative standard error is greater than or equal to 23 percent.

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: 2006-2008 Birth Statistical Master Files.

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

PRENATAL CARE NOT BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY, 2006-2008



The percentage of births to mothers with late or no prenatal care for California was 16.3 per 100 live births. This percentage was based on a 2006 through 2008 three-year average number of births to mothers with late or no prenatal care equaling 89,491.7 and 550,581.3 live births.

Among counties with reliable percentages, the percent of births to mothers with late or no prenatal care ranged from 44.4 in Sutter County to 6.6 in Marin County, a factor of 6.7 to 1.

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

**TABLE 27A
 PRENATAL CARE NOT BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY
 RANKED BY PERCENTAGE OF THREE-YEAR AVERAGE LATE / NO PRENATAL CARE
 CALIFORNIA COUNTIES, 2006-2008**

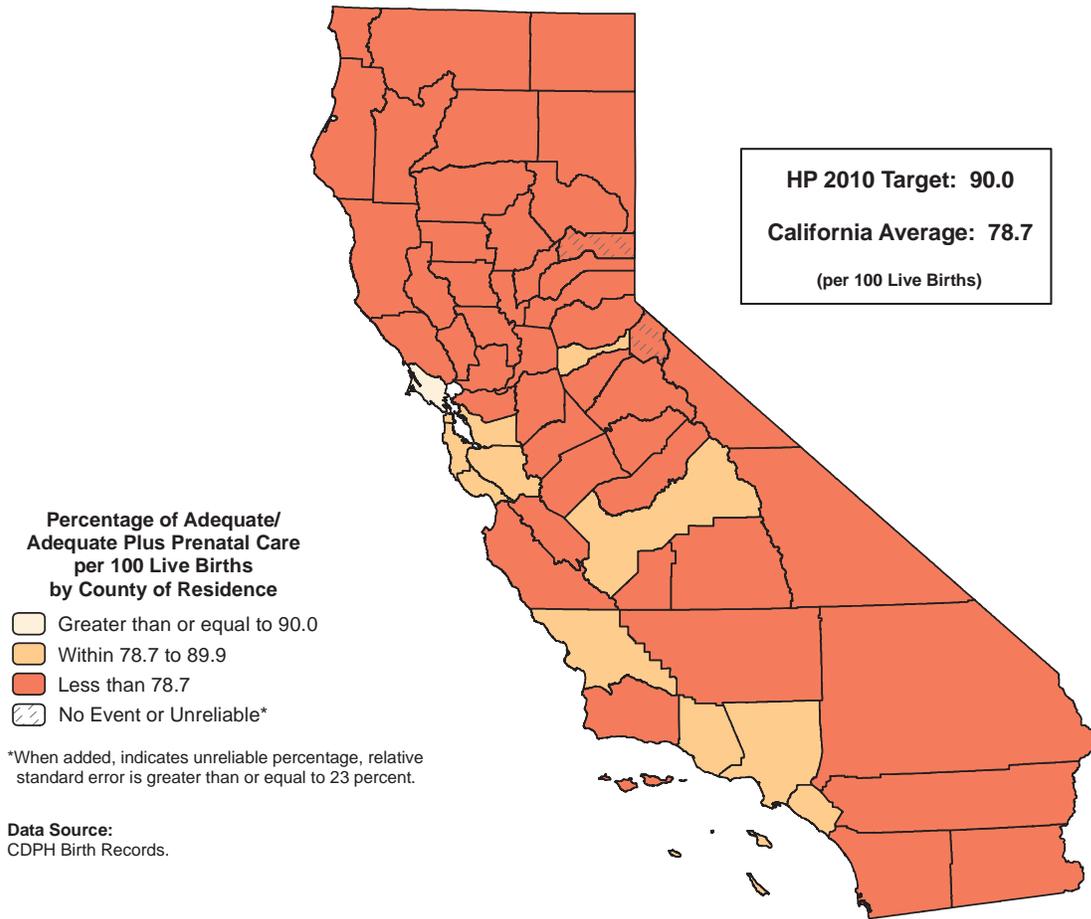
RANK ORDER	COUNTY OF RESIDENCE	2006-2008 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	LATE/NO PRENATAL CARE		LOWER	UPPER
			NUMBER	PERCENT		
1	MARIN	2,634.0	173.0	6.6	5.6	7.5
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-6a)				10.0		
2	ORANGE	43,374.0	4,629.3	10.7	10.4	11.0
3	AMADOR	283.3	33.7	11.9	7.9	15.9
4	SAN MATEO	9,680.0	1,170.7	12.1	11.4	12.8
5	LOS ANGELES	147,957.0	17,934.0	12.1	11.9	12.3
6	ALAMEDA	21,044.0	2,604.0	12.4	11.9	12.8
7	FRESNO	16,431.7	2,156.3	13.1	12.6	13.7
8	SAN FRANCISCO	8,912.3	1,267.0	14.2	13.4	15.0
9	CONTRA COSTA	13,286.0	1,950.3	14.7	14.0	15.3
10	SAN BENITO	842.0	126.7	15.0	12.4	17.7
11	PLACER	3,960.7	603.0	15.2	14.0	16.4
12	RIVERSIDE	32,481.0	5,169.0	15.9	15.5	16.3
13	SANTA CLARA	26,519.0	4,291.7	16.2	15.7	16.7
14	CALAVERAS	384.3	62.3	16.2	12.2	20.2
CALIFORNIA		550,581.3	89,491.7	16.3	16.1	16.4
15	SAN DIEGO	46,694.0	7,810.3	16.7	16.4	17.1
16	NAPA	1,682.7	283.0	16.8	14.9	18.8
17	TUOLUMNE	483.7	81.7	16.9	13.2	20.5
18	SANTA CRUZ	3,485.7	593.0	17.0	15.6	18.4
19	SAN BERNARDINO	34,234.0	6,005.7	17.5	17.1	18.0
20	SONOMA	5,750.3	1,010.7	17.6	16.5	18.7
21	EL DORADO	1,895.3	343.0	18.1	16.2	20.0
22	SISKIYOU	496.0	91.3	18.4	14.6	22.2
23	STANISLAUS	8,511.0	1,654.7	19.4	18.5	20.4
24	SAN LUIS OBISPO	2,747.3	535.7	19.5	17.8	21.1
25	VENTURA	12,227.0	2,435.3	19.9	19.1	20.7
26	SACRAMENTO	21,425.0	4,366.3	20.4	19.8	21.0
27	HUMBOLDT	1,593.3	334.3	21.0	18.7	23.2
28	MONO	174.0	37.7	21.6	14.7	28.6
29	MODOC	78.7	17.7	22.5 *	12.0	32.9
30	SANTA BARBARA	6,096.0	1,369.3	22.5	21.3	23.7
31	NEVADA	835.7	188.7	22.6	19.4	25.8
32	TULARE	8,385.3	1,914.3	22.8	21.8	23.9
33	MONTEREY	7,385.3	1,708.0	23.1	22.0	24.2
34	LASSEN	265.0	61.7	23.3	17.5	29.1
35	MADERA	2,533.3	591.3	23.3	21.5	25.2
36	KERN	13,976.3	3,285.3	23.5	22.7	24.3
37	YOLO	2,592.0	620.7	23.9	22.1	25.8
38	SHASTA	2,113.3	531.3	25.1	23.0	27.3
39	SOLANO	5,725.3	1,455.0	25.4	24.1	26.7
40	PLUMAS	172.3	44.0	25.5	18.0	33.1
41	KINGS	2,677.0	707.0	26.4	24.5	28.4
42	SIERRA	20.0	5.3	26.7 *	4.0	49.3
43	MARIPOSA	144.0	39.0	27.1	18.6	35.6
44	BUTTE	2,521.7	701.3	27.8	25.8	29.9
45	LAKE	710.0	198.0	27.9	24.0	31.8
46	TEHAMA	778.7	219.3	28.2	24.4	31.9
47	SAN JOAQUIN	11,341.7	3,297.7	29.1	28.1	30.1
48	INYO	228.3	67.0	29.3	22.3	36.4
49	GLENN	446.3	137.3	30.8	25.6	35.9
50	TRINITY	118.0	36.3	30.8	20.8	40.8
51	COLUSA	378.7	117.3	31.0	25.4	36.6
52	MENDOCINO	1,124.3	354.7	31.5	28.3	34.8
53	IMPERIAL	3,147.0	1,042.7	33.1	31.1	35.1
54	ALPINE	12.7	4.3	34.2 *	2.0	66.4
55	MERCED	4,423.7	1,656.3	37.4	35.6	39.2
56	YUBA	1,311.0	549.7	41.9	38.4	45.4
57	DEL NORTE	341.3	147.3	43.2	36.2	50.1
58	SUTTER	1,509.7	670.0	44.4	41.0	47.7

* 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: 2006-2008 Birth Statistical Master Files.

**ADEQUATE/ADEQUATE PLUS PRENATAL CARE
(ADEQUACY OF PRENATAL CARE UTILIZATION INDEX), 2006-2008**



The percentage of births to mothers with adequate/adequate plus prenatal care for California was 78.7 per 100 live births. This percentage was based on a 2006 through 2008 three-year average number of births to mothers with adequate/adequate plus prenatal care equaling 427,677.7 and 543,319.3 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 49.6 in Modoc County, a factor of 1.8 to 1.

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

TABLE 27B
ADEQUATE/ADEQUATE PLUS PRENATAL CARE (ADEQUACY OF PRENATAL CARE UTILIZATION INDEX)
RANKED BY PERCENTAGE OF THREE-YEAR AVERAGE ADEQUATE/ADEQUATE PLUS PRENATAL CARE
CALIFORNIA COUNTIES, 2006-2008

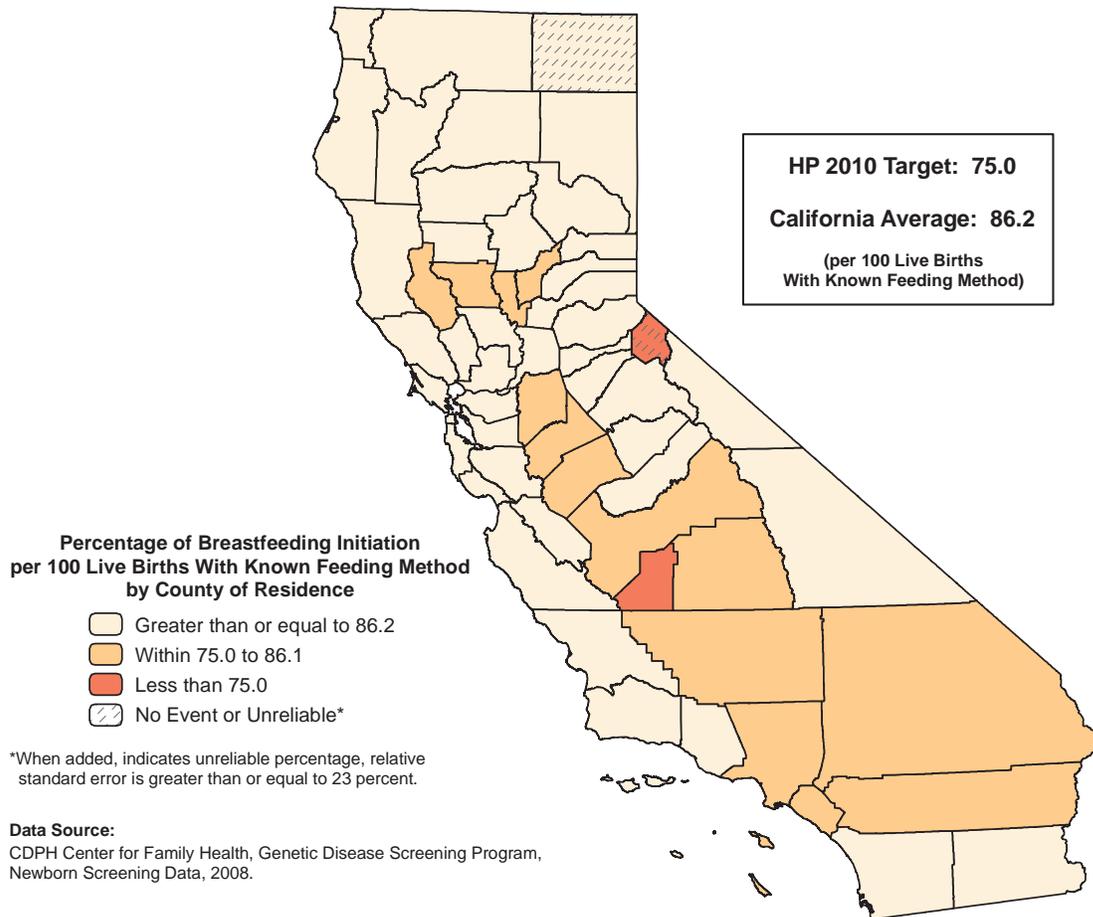
RANK ORDER	COUNTY OF RESIDENCE	2006-2008 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	ADEQUATE/ADEQUATE PLUS CARE NUMBER	PERCENT	LOWER	UPPER
1	MARIN	2,628.7	2,375.3	90.4	86.7	94.0
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-6b)				90.0		
2	AMADOR	283.3	244.3	86.2	75.4	97.0
3	ORANGE	43,152.3	36,837.7	85.4	84.5	86.2
4	SAN MATEO	9,672.0	8,191.0	84.7	82.9	86.5
5	FRESNO	15,788.0	13,167.0	83.4	82.0	84.8
6	LOS ANGELES	145,789.7	121,557.0	83.4	82.9	83.8
7	SAN LUIS OBISPO	2,718.7	2,256.7	83.0	79.6	86.4
8	SANTA CRUZ	3,433.0	2,835.7	82.6	79.6	85.6
9	SAN FRANCISCO	8,902.7	7,290.7	81.9	80.0	83.8
10	ALAMEDA	21,017.7	16,799.0	79.9	78.7	81.1
11	VENTURA	12,214.3	9,722.3	79.6	78.0	81.2
12	SANTA CLARA	26,452.3	21,032.7	79.5	78.4	80.6
CALIFORNIA		543,319.3	427,677.7	78.7	78.5	79.0
13	PLACER	3,954.3	3,103.3	78.5	75.7	81.2
14	SANTA BARBARA	5,953.7	4,658.7	78.2	76.0	80.5
15	NAPA	1,672.3	1,306.3	78.1	73.9	82.4
16	MONO	172.0	134.3	78.1	64.9	91.3
17	GLENN	435.3	336.7	77.3	69.1	85.6
18	COLUSA	378.7	291.3	76.9	68.1	85.8
19	RIVERSIDE	31,246.0	23,994.3	76.8	75.8	77.8
20	CONTRA COSTA	13,228.7	10,105.3	76.4	74.9	77.9
21	TUOLUMNE	481.7	367.3	76.3	68.5	84.1
22	TULARE	8,343.0	6,349.7	76.1	74.2	78.0
23	SAN BERNARDINO	34,081.3	25,911.0	76.0	75.1	77.0
24	LASSEN	262.7	199.3	75.9	65.4	86.4
25	CALAVERAS	382.7	290.0	75.8	67.1	84.5
26	YOLO	2,588.0	1,948.0	75.3	71.9	78.6
27	SACRAMENTO	21,330.7	15,905.0	74.6	73.4	75.7
28	SAN DIEGO	46,493.3	34,369.3	73.9	73.1	74.7
29	NEVADA	833.3	615.7	73.9	68.0	79.7
30	SAN BENITO	837.0	615.3	73.5	67.7	79.3
31	MONTEREY	7,371.3	5,413.3	73.4	71.5	75.4
32	SONOMA	5,729.0	4,195.3	73.2	71.0	75.4
33	KINGS	2,658.7	1,937.3	72.9	69.6	76.1
34	HUMBOLDT	1,583.3	1,153.3	72.8	68.6	77.0
35	TEHAMA	774.0	562.7	72.7	66.7	78.7
36	MENDOCINO	1,117.0	811.3	72.6	67.6	77.6
37	SOLANO	5,718.7	4,152.3	72.6	70.4	74.8
38	STANISLAUS	8,239.3	5,946.7	72.2	70.3	74.0
39	BUTTE	2,491.0	1,796.7	72.1	68.8	75.5
40	DEL NORTE	339.0	244.3	72.1	63.0	81.1
41	SISKIYOU	494.0	349.0	70.6	63.2	78.1
42	EL DORADO	1,876.3	1,325.3	70.6	66.8	74.4
43	KERN	12,762.0	8,974.0	70.3	68.9	71.8
44	SUTTER	1,507.7	1,055.3	70.0	65.8	74.2
45	SHASTA	2,110.3	1,471.0	69.7	66.1	73.3
46	MADERA	2,489.7	1,721.7	69.2	65.9	72.4
47	SAN JOAQUIN	11,110.7	7,618.0	68.6	67.0	70.1
48	SIERRA	20.0	13.7	68.3 *	32.1	100.0
49	LAKE	706.0	476.7	67.5	61.5	73.6
50	YUBA	1,309.7	879.0	67.1	62.7	71.6
51	MARIPOSA	137.3	91.0	66.3	52.6	79.9
52	INYO	228.0	149.7	65.6	55.1	76.2
53	IMPERIAL	3,127.7	1,928.3	61.7	58.9	64.4
54	PLUMAS	171.0	100.7	58.9	47.4	70.4
55	TRINITY	117.7	66.0	56.1	42.6	69.6
56	MERCED	4,311.7	2,389.7	55.4	53.2	57.6
57	MODOC	78.7	39.0	49.6	34.0	65.1
58	ALPINE	12.3	6.0	48.6 *	9.7	87.6

* 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: 2006-2008 Birth Statistical Master Files.

BREASTFEEDING INITIATION DURING EARLY POSTPARTUM, 2008



The percentage of breastfed infants for California was 86.2 per 100 births where the feeding method was known. This percentage was based on 2008 single year data with 374,895 breastfed infants and 434,793 births with a known feeding method.

Among counties with reliable percentages, the percent of breastfed infants ranged from 100.0 in Lassen and Plumas Counties to 72.1 in Kings County, a factor of 1.4 to 1.

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

Note: Please see breastfeeding technical notes on pages 84-85.

**TABLE 28
BREASTFEEDING INITIATION DURING EARLY POSTPARTUM
RANKED BY BREASTFEEDING INITIATION PERCENTAGE
CALIFORNIA COUNTIES, 2008**

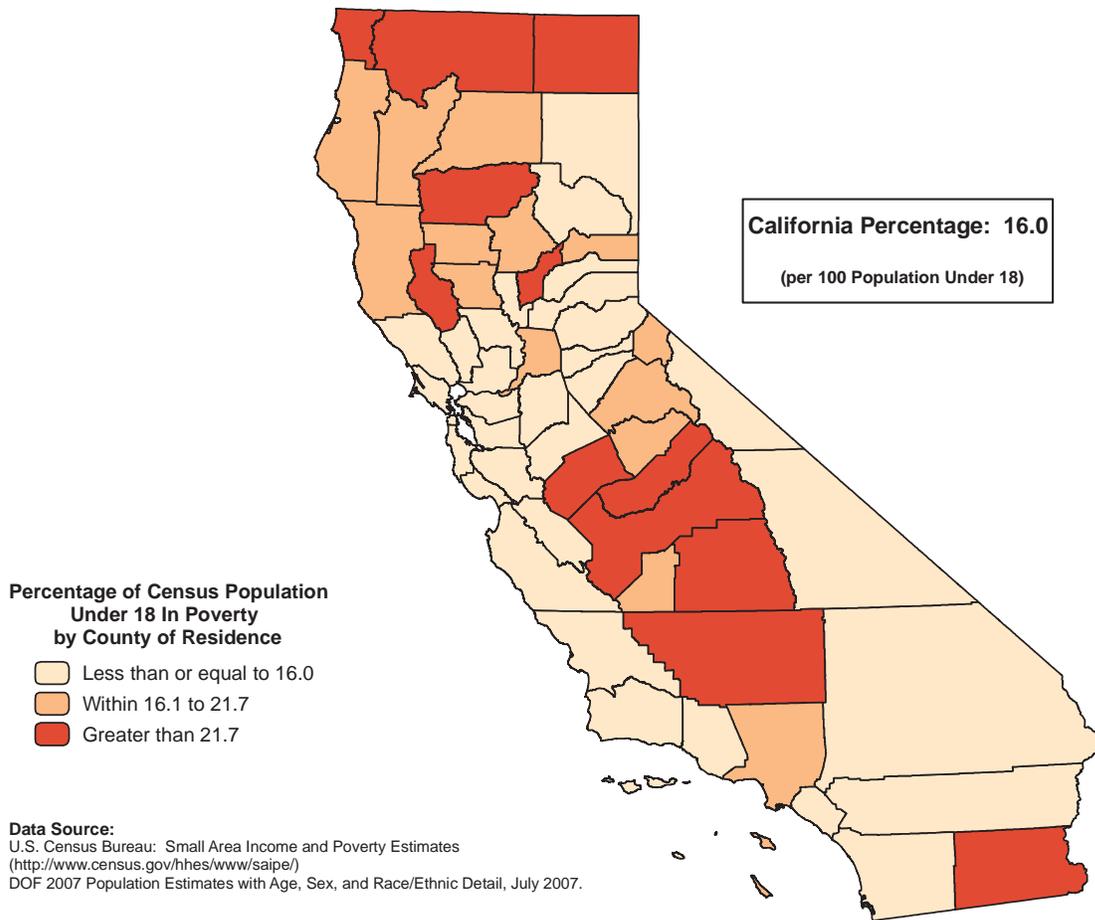
RANK ORDER	COUNTY OF RESIDENCE	2008 BIRTHS			95% CONFIDENCE LIMITS	
		WITH KNOWN FEEDING METHOD				
		TOTAL NUMBER	BREASTFED		LOWER	UPPER
			NUMBER	PERCENT		
1	PLUMAS	38	38	100.0	68.2	100.0
2	LASSEN	19	19	100.0	55.0	100.0
3	MARIN	2,279	2,227	97.7	93.7	100.0
4	MARIPOSA	110	107	97.3	78.8	100.0
5	SANTA CRUZ	2,763	2,678	96.9	93.3	100.0
6	SONOMA	4,118	3,974	96.5	93.5	99.5
7	SAN MATEO	8,192	7,884	96.2	94.1	98.4
8	NEVADA	686	660	96.2	88.9	100.0
9	MONO	26	25	96.2	58.5	100.0
10	SIERRA	20	19	95.0	52.3	100.0
11	ALAMEDA	16,569	15,718	94.9	93.4	96.3
12	SAN LUIS OBISPO	2,271	2,154	94.8	90.8	98.9
13	SAN BENITO	554	523	94.4	86.3	100.0
14	SANTA BARBARA	4,662	4,397	94.3	91.5	97.1
15	MONTEREY	5,419	5,087	93.9	91.3	96.5
16	SANTA CLARA	20,715	19,436	93.8	92.5	95.1
17	INYO	32	30	93.8	60.2	100.0
18	SAN FRANCISCO	7,294	6,836	93.7	91.5	95.9
19	NAPA	1,123	1,049	93.4	87.8	99.1
20	YOLO	2,013	1,878	93.3	89.1	97.5
21	CONTRA COSTA	10,321	9,626	93.3	91.4	95.1
22	SHASTA	1,775	1,652	93.1	88.6	97.6
23	SISKIYOU	42	39	92.9	63.7	100.0
24	EL DORADO	1,296	1,203	92.8	87.6	98.1
25	HUMBOLDT	1,082	1,003	92.7	87.0	98.4
26	PLACER	2,871	2,659	92.6	89.1	96.1
27	AMADOR	183	169	92.3	78.4	100.0
28	SAN DIEGO	34,838	32,048	92.0	91.0	93.0
29	VENTURA	9,329	8,563	91.8	89.8	93.7
30	MODOC	12	11	91.7 *	37.5	100.0
31	TRINITY	93	85	91.4	72.0	100.0
32	MENDOCINO	774	706	91.2	84.5	97.9
33	TUOLUMNE	213	194	91.1	78.3	100.0
34	GLENN	341	307	90.0	80.0	100.0
35	TEHAMA	571	510	89.3	81.6	97.1
36	BUTTE	1,666	1,486	89.2	84.7	93.7
37	SOLANO	4,071	3,618	88.9	86.0	91.8
38	MADERA	1,987	1,756	88.4	84.2	92.5
39	DEL NORTE	212	187	88.2	75.6	100.0
40	CALAVERAS	189	166	87.8	74.5	100.0
41	IMPERIAL	2,822	2,457	87.1	83.6	90.5
42	SACRAMENTO	17,548	15,203	86.6	85.3	88.0
	CALIFORNIA	434,793	374,895	86.2	85.9	86.5
43	RIVERSIDE	26,398	22,616	85.7	84.6	86.8
44	ORANGE	35,546	30,174	84.9	83.9	85.8
45	MERCED	3,588	3,037	84.6	81.6	87.7
46	LAKE	231	193	83.5	71.8	95.3
47	FRESNO	14,049	11,482	81.7	80.2	83.2
48	SAN BERNARDINO	25,127	20,511	81.6	80.5	82.7
49	LOS ANGELES	119,504	97,397	81.5	81.0	82.0
50	SAN JOAQUIN	8,340	6,797	81.5	79.6	83.4
51	SUTTER	1,203	978	81.3	76.2	86.4
52	STANISLAUS	6,917	5,619	81.2	79.1	83.4
53	YUBA	989	801	81.0	75.4	86.6
54	KERN	12,626	10,075	79.8	78.2	81.4
55	COLUSA	204	155	76.0	64.0	87.9
56	TULARE	6,866	5,183	75.5	73.4	77.5
	HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE (16-19a)			75.0		
57	KINGS	2,064	1,489	72.1	68.5	75.8
58	ALPINE	2	1	50.0 *	0.0	100.0

* 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, Center for Family Health, Genetic Disease Screening Program, Newborn Screening Data, 2008.

PERSONS UNDER 18 IN POVERTY, 2007



The percentage of persons under age 18 in poverty in California was 16.0 per 100 population under age 18. This percentage was based on the U.S. Census Bureau, American Community Survey 2007 estimate, and population counts were obtained from the California Department of Finance.

All counties demonstrated reliable percentages of persons less than 18 years of age in poverty. The percents ranged from 31.2 in Tulare County to 6.2 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, 2007**

RANK ORDER	COUNTY OF RESIDENCE	UNDER 18			95% CONFIDENCE LIMITS	
		2007 POPULATION	NUMBER	PERCENT	LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:				NONE		
1	PLACER	83,298	5,201	6.2	6.1	6.4
2	MARIN	53,631	3,474	6.5	6.3	6.7
3	SAN MATEO	164,018	11,334	6.9	6.8	7.0
4	SANTA CLARA	452,942	41,001	9.1	9.0	9.1
5	SONOMA	116,841	10,778	9.2	9.1	9.4
6	EL DORADO	40,461	3,866	9.6	9.3	9.9
7	NAPA	34,073	3,363	9.9	9.5	10.2
8	MONO	2,959	314	10.6	9.4	11.8
9	NEVADA	19,120	2,040	10.7	10.2	11.1
10	SAN LUIS OBISPO	53,801	5,743	10.7	10.4	11.0
11	SAN BENITO	17,455	1,933	11.1	10.6	11.6
12	CONTRA COSTA	255,915	28,482	11.1	11.0	11.3
13	ORANGE	800,758	90,749	11.3	11.3	11.4
14	SAN FRANCISCO	115,729	13,567	11.7	11.5	11.9
15	VENTURA	216,199	25,466	11.8	11.6	11.9
16	SOLANO	109,433	13,018	11.9	11.7	12.1
17	AMADOR	6,622	830	12.5	11.7	13.4
18	ALAMEDA	363,374	47,412	13.0	12.9	13.2
19	SANTA CRUZ	57,878	7,638	13.2	12.9	13.5
20	SANTA BARBARA	105,091	14,108	13.4	13.2	13.6
21	SAN DIEGO	807,039	108,955	13.5	13.4	13.6
22	YOLO	47,292	6,449	13.6	13.3	14.0
23	LASSEN	6,992	975	13.9	13.1	14.8
24	CALAVERAS	8,273	1,214	14.7	13.8	15.5
25	SUTTER	28,539	4,278	15.0	14.5	15.4
26	INYO	4,000	603	15.1	13.9	16.3
27	MONTEREY	120,511	18,280	15.2	14.9	15.4
28	RIVERSIDE	594,358	90,443	15.2	15.1	15.3
29	PLUMAS	3,968	606	15.3	14.1	16.5
30	STANISLAUS	168,144	26,287	15.6	15.4	15.8
31	SAN JOAQUIN	224,408	35,791	15.9	15.8	16.1
32	SAN BERNARDINO	606,322	97,069	16.0	15.9	16.1
	CALIFORNIA	10,007,501	1,598,466	16.0	15.9	16.0
33	TUOLUMNE	9,909	1,642	16.6	15.8	17.4
34	SACRAMENTO	379,175	62,906	16.6	16.5	16.7
35	MARIPOSA	3,181	532	16.7	15.3	18.1
36	SIERRA	599	106	17.7	14.3	21.1
37	COLUSA	6,329	1,122	17.7	16.7	18.8
38	HUMBOLDT	27,901	5,181	18.6	18.1	19.1
39	KINGS	43,960	8,199	18.7	18.2	19.1
40	SHASTA	42,702	8,013	18.8	18.4	19.2
41	LOS ANGELES	2,828,280	536,561	19.0	18.9	19.0
42	BUTTE	48,040	9,533	19.8	19.4	20.2
43	MENDOCINO	20,599	4,127	20.0	19.4	20.6
44	ALPINE	229	48	21.0	15.0	26.9
45	GLENN	8,020	1,734	21.6	20.6	22.6
46	TRINITY	2,852	619	21.7	20.0	23.4
47	SISKIYOU	9,552	2,113	22.1	21.2	23.1
48	MADERA	42,368	9,708	22.9	22.5	23.4
49	KERN	248,118	57,827	23.3	23.1	23.5
50	YUBA	22,198	5,489	24.7	24.1	25.4
51	MERCED	79,476	19,662	24.7	24.4	25.1
52	MODOC	2,141	546	25.5	23.4	27.6
53	TEHAMA	15,056	3,881	25.8	25.0	26.6
54	IMPERIAL	47,366	13,013	27.5	27.0	27.9
55	DEL NORTE	6,291	1,749	27.8	26.5	29.1
56	FRESNO	274,059	76,567	27.9	27.7	28.1
57	LAKE	13,019	3,691	28.4	27.4	29.3
58	TULARE	136,637	42,630	31.2	30.9	31.5

Note: Counties were rank ordered first by increasing percentage of persons under 18 in poverty (calculated to 15 decimal places), second by decreasing size of the same age group population. 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/hhes/www/saie/> Department of Finance: 2007 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, 2003-2008

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ALL CANCERS (THREE-YEAR AVERAGES) ¹		COLORECTAL CANCER (THREE-YEAR AVERAGES) ¹		LUNG CANCER (THREE-YEAR AVERAGES) ¹	
	2003-2005	2006-2008	2003-2005	2006-2008	2003-2005	2006-2008
CALIFORNIA	165.1	155.9	16.0	14.7	41.5	38.1
ALAMEDA	164.0	150.9	16.6	15.9	41.4	35.7
ALPINE	111.5 *	14.5 *	-	-	49.2 *	-
AMADOR	183.2	154.2	17.6 *	13.4 *	46.3	45.6
BUTTE	182.3	196.8	16.4	14.6	53.4	56.1
CALAVERAS	139.4	151.9	13.8 *	13.9 *	43.8	40.9
COLUSA	150.1	135.6	10.7 *	9.7 *	54.0 *	39.0 *
CONTRA COSTA	166.9	162.8	16.1	16.9	42.9	37.8
DEL NORTE	224.4	200.1	17.9 *	18.0 *	71.2	61.9
EL DORADO	166.5	155.9	16.2	12.5	42.6	41.4
FRESNO	168.3	160.7	15.6	13.9	44.8	40.4
GLENN	159.5	165.6	17.3 *	15.9 *	36.0 *	53.3 *
HUMBOLDT	204.3	196.7	19.8	19.1	56.3	51.6
IMPERIAL	155.9	139.2	15.9	10.6 *	37.9	31.7
INYO	185.0	149.5	17.9 *	11.1 *	43.1 *	49.5 *
KERN	198.8	178.0	19.5	15.4	53.1	49.8
KINGS	187.3	175.8	19.3 *	18.1 *	50.2	46.1
LAKE	226.0	184.5	19.0 *	16.2 *	75.0	56.8
LASSEN	176.7	106.3	21.3 *	5.9 *	37.7 *	31.7 *
LOS ANGELES	154.8	144.9	16.2	14.5	35.4	32.4
MADERA	156.9	140.6	15.1 *	15.6	39.9	30.9
MARIN	154.7	142.2	12.5	11.7	35.8	29.5
MARIPOSA	160.1	166.7	18.7 *	9.8 *	49.0 *	53.7 *
MENDOCINO	190.1	158.6	18.8 *	16.2 *	45.1	39.0
MERCED	172.4	162.2	16.2	13.8	45.9	47.0
MODOC	173.5	132.5	19.0 *	15.1 *	59.2 *	41.6 *
MONO	76.8 *	65.2 *	9.1 *	14.6 *	20.2 *	13.8 *
MONTEREY	148.1	131.2	12.6	11.4	37.3	31.7
NAPA	197.6	171.3	20.0	12.6	51.9	45.3
NEVADA	173.1	152.5	18.3	14.2 *	42.4	36.3
ORANGE	153.5	149.8	14.7	13.9	36.7	36.4
PLACER	171.8	168.3	14.1	14.4	45.4	41.7
PLUMAS	208.6	143.7	20.8 *	10.3 *	48.3 *	45.5 *
RIVERSIDE	183.2	175.0	18.0	16.5	49.9	45.0
SACRAMENTO	181.9	169.6	15.4	15.5	50.2	46.9
SAN BENITO	132.3	147.3	10.7 *	11.1 *	26.8 *	31.2 *
SAN BERNARDINO	185.2	168.9	19.1	16.0	48.2	41.8
SAN DIEGO	170.6	163.9	15.5	14.7	42.6	39.3
SAN FRANCISCO	165.6	151.0	16.5	15.0	40.8	36.5
SAN JOAQUIN	183.8	175.2	15.6	15.2	53.0	47.7
SAN LUIS OBISPO	158.8	151.3	14.9	10.6	44.4	40.4
SAN MATEO	160.3	149.4	15.0	15.7	37.4	35.5
SANTA BARBARA	144.1	149.5	11.9	12.9	34.2	34.8
SANTA CLARA	139.2	134.9	11.9	12.4	32.6	31.0
SANTA CRUZ	171.7	164.6	14.9	14.0	45.6	36.1
SHASTA	204.0	195.9	20.2	15.1	65.3	61.9
SIERRA	180.8 *	105.9 *	12.1 *	18.5 *	56.6 *	15.0 *
SISKIYOU	200.9	172.1	16.6 *	17.0 *	61.0	49.9
SOLANO	182.8	178.0	18.4	17.0	48.0	48.2
SONOMA	180.9	178.5	19.6	16.5	48.2	45.2
STANISLAUS	186.2	174.3	16.6	19.4	53.6	47.9
SUTTER	170.8	151.1	11.2 *	13.5 *	51.3	44.0
TEHAMA	193.9	197.1	21.6 *	13.9 *	59.1	59.6
TRINITY	185.3	179.4	15.7 *	9.3 *	61.5 *	64.5 *
TULARE	174.9	158.1	16.0	13.2	47.2	41.5
TUOLUMNE	159.6	158.6	12.7 *	12.3 *	42.0	40.6
VENTURA	155.1	148.3	15.7	14.3	39.1	35.6
YOLO	178.9	164.6	16.4	16.5	50.2	45.5
YUBA	224.6	194.4	20.8 *	14.6 *	64.0	76.8

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2003-2008

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	FEMALE BREAST CANCER (THREE-YEAR AVERAGES) ¹		PROSTATE CANCER (THREE-YEAR AVERAGES) ¹		DIABETES (THREE-YEAR AVERAGES) ^{1,2}	
	2003-2005	2006-2008	2003-2005	2006-2008	2003-2005	2006-2008
CALIFORNIA	22.7	21.2	23.8	21.8	22.3	21.1
ALAMEDA	22.9	21.0	25.7	21.7	21.9	21.5
ALPINE	74.7 *	-	-	-	55.6 *	18.8 *
AMADOR	31.1 *	15.3 *	21.1 *	16.1 *	11.8 *	11.6 *
BUTTE	16.6	23.9	24.7	29.7	18.4	18.1
CALAVERAS	18.9 *	18.1 *	23.2 *	21.4 *	10.0 *	11.0 *
COLUSA	10.4 *	9.4 *	26.8 *	15.0 *	22.4 *	12.6 *
CONTRA COSTA	23.7	23.8	22.1	22.8	19.9	18.5
DEL NORTE	14.4 *	21.3 *	33.9 *	20.1 *	31.0 *	14.5 *
EL DORADO	22.9	18.9	26.3 *	20.7 *	12.0	12.2
FRESNO	21.8	21.0	25.6	22.6	31.9	32.1
GLENN	8.3 *	15.1 *	19.2 *	17.7 *	36.6 *	26.8 *
HUMBOLDT	21.7 *	29.2	28.6 *	23.4 *	30.0	21.3
IMPERIAL	21.3 *	17.1 *	24.9 *	18.1 *	33.5	31.1
INYO	12.6 *	15.9 *	32.9 *	12.9 *	22.4 *	16.0 *
KERN	25.9	21.7	30.0	28.0	34.4	33.8
KINGS	27.0 *	20.3 *	19.5 *	27.6 *	54.9	31.9
LAKE	31.6 *	12.1 *	29.4 *	18.8 *	13.8 *	15.9 *
LASSEN	27.4 *	17.0 *	38.1 *	11.9 *	18.0 *	22.5 *
LOS ANGELES	22.6	20.5	22.1	20.8	25.4	23.4
MADERA	18.4 *	20.9 *	23.7 *	25.8 *	24.5	23.4
MARIN	25.7	21.7	23.3	19.0	9.8	9.7
MARIPOSA	26.7 *	28.2 *	14.1 *	33.6 *	16.0 *	21.9 *
MENDOCINO	28.2 *	23.0 *	23.9 *	21.1 *	19.7	17.8 *
MERCED	22.0	24.1	23.9 *	20.4 *	36.6	26.1
MODOC	28.9 *	26.0 *	29.0 *	13.7 *	17.5 *	21.1 *
MONO	13.3 *	20.6 *	12.4 *	6.1 *	5.8 *	5.1 *
MONTEREY	18.8	18.0	20.5	19.6	17.5	19.1
NAPA	22.5 *	22.5	27.6	23.3 *	20.8	19.2
NEVADA	23.2 *	24.6 *	20.1 *	23.0 *	13.7 *	13.7 *
ORANGE	20.4	19.9	23.4	20.5	17.4	15.6
PLACER	24.7	23.3	25.3	22.0	15.2	14.6
PLUMAS	27.3 *	16.7 *	28.3 *	16.0 *	19.5 *	17.2 *
RIVERSIDE	25.1	24.8	27.4	24.9	19.5	21.8
SACRAMENTO	24.6	21.5	23.6	21.9	21.1	19.9
SAN BENITO	19.9 *	21.1 *	12.7 *	3.6 *	13.0 *	18.3 *
SAN BERNARDINO	26.2	23.8	29.2	28.3	31.0	30.6
SAN DIEGO	23.2	21.6	26.9	24.1	20.0	19.7
SAN FRANCISCO	20.8	19.0	18.9	14.0	15.0	11.7
SAN JOAQUIN	24.8	22.9	26.1	22.2	32.0	35.2
SAN LUIS OBISPO	20.9	20.8	21.1	21.4	15.9	10.1
SAN MATEO	23.4	21.1	21.4	20.9	13.2	12.1
SANTA BARBARA	19.3	21.0	22.1	22.3	17.7	13.6
SANTA CLARA	18.6	18.3	19.6	16.0	18.9	21.0
SANTA CRUZ	27.1	28.0	29.5	19.9 *	15.5	17.2
SHASTA	25.2	21.0	20.2 *	25.2	15.2	13.8
SIERRA	34.6 *	8.5 *	10.1 *	-	18.0 *	13.1 *
SISKIYOU	21.0 *	20.7 *	26.3 *	28.6 *	24.2 *	20.1 *
SOLANO	21.5	23.0	24.8	22.7	27.1	31.0
SONOMA	20.1	23.9	27.8	26.9	19.2	17.6
STANISLAUS	25.3	22.7	24.7	25.3	27.4	24.2
SUTTER	24.2 *	19.4 *	34.4 *	23.5 *	26.8	17.3 *
TEHAMA	24.2 *	25.5 *	23.6 *	29.6 *	24.4 *	15.3 *
TRINITY	19.2 *	8.1 *	19.2 *	28.3 *	26.6 *	9.5 *
TULARE	23.5	21.0	22.6	21.0	35.3	28.7
TUOLUMNE	20.9 *	20.1 *	13.9 *	22.9 *	13.9 *	15.0 *
VENTURA	22.4	18.8	21.0	22.5	20.1	19.1
YOLO	22.0 *	22.7	27.1 *	23.8 *	24.1	20.1
YUBA	21.7 *	23.8 *	28.0 *	22.6 *	21.2 *	13.8 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2003-2008

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ALZHEIMER'S DISEASE (THREE-YEAR AVERAGES) ¹		CORONARY HEART DISEASE (THREE-YEAR AVERAGES) ¹		CEREBROVASCULAR DISEASES (STROKE) (THREE-YEAR AVERAGES) ¹	
	2003-2005	2006-2008	2003-2005	2006-2008	2003-2005	2006-2008
CALIFORNIA	22.1	25.7	163.1	137.1	51.7	40.8
ALAMEDA	15.8	19.0	138.5	118.0	52.6	41.9
ALPINE	-	-	92.2 *	59.0 *	155.7 *	-
AMADOR	19.3 *	20.9 *	150.7	130.4	59.0	37.0
BUTTE	29.6	31.4	152.4	144.3	61.1	48.8
CALAVERAS	14.0 *	9.3 *	126.4	114.2	44.7	26.6
COLUSA	45.2 *	26.7 *	124.2	137.1	49.3 *	21.2 *
CONTRA COSTA	23.9	31.7	124.4	103.3	55.4	45.9
DEL NORTE	18.2 *	14.2 *	134.0	128.1	40.8 *	55.4 *
EL DORADO	22.0	24.9	127.7	110.1	44.7	28.7
FRESNO	23.4	29.2	173.8	152.0	67.3	54.3
GLENN	23.4 *	25.0 *	137.5	122.5	43.4 *	34.7 *
HUMBOLDT	42.0	40.8	156.3	146.8	55.8	63.9
IMPERIAL	9.5 *	9.1 *	142.5	108.3	50.1	37.3
INYO	4.3 *	2.1 *	196.4	142.9	32.7 *	22.5 *
KERN	31.4	39.0	267.9	207.5	60.2	49.1
KINGS	17.6 *	15.7 *	169.1	141.1	59.4	48.7
LAKE	14.8 *	18.4 *	176.4	149.8	67.4	46.2
LASSEN	11.3 *	15.0 *	151.9	90.1	42.1 *	26.2 *
LOS ANGELES	16.3	19.7	179.5	151.1	46.8	36.9
MADERA	35.5	26.9	176.1	148.7	47.4	40.1
MARIN	16.8	29.2	100.5	82.4	43.0	37.6
MARIPOSA	12.2 *	11.4 *	132.8	120.3	48.8 *	41.6 *
MENDOCINO	12.3 *	17.1 *	144.9	126.9	57.5	42.2
MERCED	17.6	19.4	184.2	170.7	74.8	49.6
MODOC	21.9 *	10.9 *	158.0	87.0 *	58.1 *	28.5 *
MONO	12.9 *	-	77.2 *	41.3 *	25.8 *	9.0 *
MONTEREY	13.6	15.5	117.1	106.9	47.2	36.5
NAPA	39.1	35.0	124.6	99.0	62.0	43.2
NEVADA	16.2	16.7	129.0	116.8	68.6	47.0
ORANGE	22.2	29.6	158.2	129.1	50.7	40.3
PLACER	24.1	32.0	129.3	117.6	61.0	47.4
PLUMAS	14.9 *	10.7 *	106.4	74.4	46.6 *	26.4 *
RIVERSIDE	28.6	30.3	203.1	166.6	58.2	44.4
SACRAMENTO	24.5	25.3	178.1	146.0	66.2	48.2
SAN BENITO	8.9 *	14.9 *	123.2	84.5	49.8	39.3 *
SAN BERNARDINO	26.1	28.4	224.1	182.8	55.3	44.4
SAN DIEGO	38.6	35.8	145.1	119.5	50.4	38.7
SAN FRANCISCO	13.3	17.5	134.4	112.2	50.7	37.3
SAN JOAQUIN	25.0	26.8	220.4	178.1	63.0	47.4
SAN LUIS OBISPO	23.4	15.0	121.6	103.4	47.3	45.7
SAN MATEO	18.9	24.2	114.9	98.2	47.7	36.4
SANTA BARBARA	22.2	21.2	140.6	116.9	47.4	41.9
SANTA CLARA	20.8	32.6	113.1	104.4	40.4	31.2
SANTA CRUZ	17.4	23.4	134.7	112.5	48.8	35.9
SHASTA	23.2	25.4	160.1	158.8	54.1	50.1
SIERRA	4.4 *	9.8 *	94.3 *	110.0 *	14.3 *	23.1 *
SISKIYOU	15.1 *	18.4 *	129.0	110.5	49.1	41.7
SOLANO	38.3	40.4	142.9	111.9	59.1	45.5
SONOMA	27.5	36.0	133.7	119.1	63.8	53.6
STANISLAUS	24.0	29.5	225.3	187.1	54.2	47.3
SUTTER	14.3 *	27.3	191.1	152.1	59.3	37.6
TEHAMA	27.8	28.0	161.6	119.6	64.1	51.8
TRINITY	10.6 *	10.4 *	84.2 *	81.0 *	32.0 *	40.6 *
TULARE	10.0	12.0	189.8	151.0	56.5	49.6
TUOLUMNE	15.4 *	13.9 *	130.2	102.4	48.3	34.1
VENTURA	20.0	25.8	152.3	136.1	42.6	38.7
YOLO	24.1	33.8	133.2	106.9	62.4	46.3
YUBA	11.7 *	20.2 *	217.9	164.8	61.9	39.2

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2003-2008

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	INFLUENZA/PNEUMONIA		CHRONIC LOWER		CHRONIC LIVER DISEASE	
	(THREE-YEAR AVERAGES) ¹		RESPIRATORY DISEASES		AND CIRRHOSIS	
	2003-2005	2006-2008	2003-2005	2006-2008	2003-2005	2006-2008
CALIFORNIA	23.8	19.6	40.7	37.8	10.8	10.7
ALAMEDA	20.2	16.5	33.3	30.8	9.3	8.8
ALPINE	-	-	62.8 *	-	17.9 *	-
AMADOR	22.0 *	26.7 *	35.1	44.8	14.8 *	11.8 *
BUTTE	22.3	17.5	57.4	58.6	14.8	11.8
CALAVERAS	17.6 *	18.6 *	46.1	40.4	9.9 *	9.9 *
COLUSA	29.1 *	5.7 *	60.9 *	49.4 *	9.2 *	7.8 *
CONTRA COSTA	23.2	16.4	36.1	38.3	8.7	8.6
DEL NORTE	31.4 *	11.5 *	66.9	60.2 *	16.2 *	9.5 *
EL DORADO	17.3	13.4	47.2	38.3	12.2	8.7
FRESNO	28.4	24.1	43.9	42.8	14.8	13.6
GLENN	29.7 *	19.5 *	64.7	51.8 *	15.3 *	14.9 *
HUMBOLDT	26.7	16.8	65.9	61.8	15.6	15.8
IMPERIAL	15.7 *	11.7 *	31.3	29.5	16.6	13.5
INYO	23.9 *	11.3 *	53.9 *	42.8 *	25.6 *	26.9 *
KERN	33.2	24.2	76.1	70.8	18.5	14.9
KINGS	15.6 *	17.5 *	65.8	48.8	14.8 *	11.9 *
LAKE	24.4	17.8 *	78.3	60.9	19.7 *	21.9 *
LASSEN	27.5 *	5.8 *	65.0 *	39.8 *	11.2 *	7.4 *
LOS ANGELES	27.3	24.1	33.8	31.8	11.1	11.1
MADERA	21.0	18.0	45.8	42.8	11.8 *	13.6
MARIN	16.6	14.8	26.5	29.4	6.9	7.7
MARIPOSA	14.7 *	12.3 *	40.5 *	47.5 *	11.8 *	7.7 *
MENDOCINO	19.1	14.0 *	56.7	42.4	12.5 *	17.1 *
MERCED	21.2	16.0	48.9	47.2	11.8	10.0
MODOC	15.1 *	25.4 *	77.3 *	51.1 *	2.1 *	12.7 *
MONO	20.1 *	-	16.7 *	-	4.1 *	5.9 *
MONTEREY	14.3	12.4	34.2	30.9	10.1	10.0
NAPA	25.5	19.8	41.4	41.5	12.9 *	11.1 *
NEVADA	20.2	16.4	46.6	42.3	9.9 *	7.8 *
ORANGE	23.6	20.6	34.8	33.4	8.8	9.3
PLACER	18.6	15.1	45.2	42.0	9.3	9.3
PLUMAS	26.7 *	11.7 *	54.6 *	39.4 *	15.5 *	6.6 *
RIVERSIDE	20.4	15.1	56.5	51.9	12.9	10.5
SACRAMENTO	27.9	23.3	48.9	42.9	11.2	10.7
SAN BENITO	24.7 *	21.9 *	39.8 *	30.6 *	10.7 *	11.8 *
SAN BERNARDINO	27.4	19.3	65.6	57.1	12.9	12.8
SAN DIEGO	17.9	11.5	40.2	36.5	9.2	9.8
SAN FRANCISCO	26.6	21.8	27.3	24.0	8.8	7.9
SAN JOAQUIN	22.9	18.0	52.8	47.9	13.7	15.5
SAN LUIS OBISPO	14.5	11.8	39.0	34.4	8.9	9.9
SAN MATEO	25.4	24.0	30.3	28.3	8.8	9.2
SANTA BARBARA	19.2	13.1	34.9	30.5	9.9	11.8
SANTA CLARA	20.6	18.4	29.1	25.7	7.9	8.2
SANTA CRUZ	20.5	13.6	37.2	38.3	11.0	13.1
SHASTA	22.9	19.3	69.2	71.3	16.6	17.1
SIERRA	11.0 *	6.6 *	30.3 *	22.8 *	18.7 *	4.8 *
SISKIYOU	27.2 *	16.4 *	58.4	52.4	12.1 *	25.4 *
SOLANO	24.7	25.5	52.1	41.1	12.0	7.8
SONOMA	18.0	18.8	39.7	39.5	11.5	11.6
STANISLAUS	30.0	23.5	49.1	50.5	12.8	11.8
SUTTER	33.0	21.1	66.5	50.6	9.7 *	12.2 *
TEHAMA	21.0 *	22.7 *	59.1	71.9	13.8 *	18.2 *
TRINITY	24.7 *	16.4 *	70.0 *	42.9 *	23.5 *	19.0 *
TULARE	22.7	22.5	48.6	45.5	14.5	16.7
TUOLUMNE	19.7 *	17.7 *	39.0	32.5	12.8 *	14.1 *
VENTURA	21.6	14.2	37.6	36.9	9.6	9.4
YOLO	40.4	33.0	54.1	47.8	9.8 *	13.0
YUBA	27.9 *	21.8 *	84.1	68.3	14.9 *	16.3 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2003-2008

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES		AGE-ADJUSTED DEATH RATES	
	ACCIDENTS (UNINTENTIONAL INJURIES)		MOTOR VEHICLE TRAFFIC CRASHES		SUICIDE	
	(THREE-YEAR AVERAGES) ¹		(THREE-YEAR AVERAGES) ¹		(THREE-YEAR AVERAGES) ¹	
	2003-2005	2006-2008	2003-2005	2006-2008	2003-2005	2006-2008
CALIFORNIA	30.0	29.7	11.8	10.3	9.3	9.4
ALAMEDA	26.9	27.5	8.4	6.9	7.7	7.7
ALPINE	32.3 *	-	32.3 *	-	64.1 *	15.7 *
AMADOR	54.6	49.5	27.3 *	20.3 *	19.0 *	17.0 *
BUTTE	51.4	60.6	17.9	18.9	17.1	17.8
CALAVERAS	48.0	48.3	34.1 *	26.6 *	22.0 *	17.5 *
COLUSA	37.8 *	34.9 *	21.3 *	20.3 *	1.6 *	13.4 *
CONTRA COSTA	28.1	25.5	9.7	7.7	9.6	9.3
DEL NORTE	51.1 *	59.1 *	21.2 *	25.7 *	15.3 *	9.9 *
EL DORADO	37.0	45.6	14.5	11.8 *	14.0	12.9
FRESNO	44.0	41.2	20.4	17.1	9.4	9.5
GLENN	42.5 *	59.6 *	21.5 *	20.9 *	13.3 *	11.1 *
HUMBOLDT	72.0	74.9	21.4	18.4	20.2	21.2
IMPERIAL	39.0	36.4	19.1	15.4	6.7 *	6.2 *
INYO	56.3 *	42.0 *	22.5 *	14.0 *	20.5 *	9.1 *
KERN	46.7	48.3	20.5	18.8	11.0	10.5
KINGS	39.4	39.9	20.0	19.5	9.4 *	8.9 *
LAKE	71.9	68.0	29.6 *	22.0 *	16.9 *	28.7 *
LASSEN	51.3 *	44.6 *	25.1 *	9.3 *	16.0 *	18.1 *
LOS ANGELES	23.5	22.3	9.4	8.6	7.2	7.0
MADERA	49.5	44.1	23.9	23.0	10.1 *	11.3 *
MARIN	20.3	20.4	6.1 *	4.5 *	11.6	13.8
MARIPOSA	70.0 *	49.4 *	29.7 *	23.0 *	23.1 *	21.5 *
MENDOCINO	55.0	50.8	20.6 *	15.0 *	18.8 *	23.3
MERCED	49.9	42.4	23.9	18.3	8.4 *	6.8 *
MODOC	75.6 *	61.7 *	36.6 *	15.6 *	22.4 *	11.3 *
MONO	42.8 *	18.3 *	21.7 *	3.9 *	14.9 *	2.2 *
MONTEREY	34.0	29.3	13.2	11.7	9.4	9.8
NAPA	35.0	28.9	14.8	9.7 *	9.6 *	12.1 *
NEVADA	48.7	40.6	17.9 *	13.4 *	13.8 *	17.5 *
ORANGE	23.0	22.5	8.1	7.1	8.3	8.8
PLACER	34.9	32.3	12.3	8.8	11.5	11.4
PLUMAS	44.5 *	38.7 *	16.4 *	7.5 *	23.6 *	9.1 *
RIVERSIDE	36.9	35.6	16.6	14.5	10.1	10.4
SACRAMENTO	35.9	36.7	12.5	9.8	12.4	12.6
SAN BENITO	35.1 *	21.0 *	16.1 *	10.8 *	8.8 *	7.0 *
SAN BERNARDINO	30.6	28.6	17.0	14.2	10.6	9.7
SAN DIEGO	28.3	30.5	10.2	9.6	10.5	10.8
SAN FRANCISCO	26.7	34.7	5.2	5.6	10.7	10.7
SAN JOAQUIN	43.8	45.0	14.4	15.7	7.9	10.2
SAN LUIS OBISPO	35.3	37.7	14.5	12.0	11.3	12.6
SAN MATEO	21.0	21.6	6.7	5.6	9.1	8.2
SANTA BARBARA	30.4	31.4	11.9	9.4	8.7	8.4
SANTA CLARA	19.9	22.6	7.0	6.6	7.5	7.6
SANTA CRUZ	29.3	34.2	10.2	10.4	12.8	10.8
SHASTA	58.6	55.9	16.3	11.7	16.7	21.3
SIERRA	104.5 *	12.7 *	86.1 *	12.7 *	7.0 *	11.6 *
SISKIYOU	61.6	64.5	22.7 *	25.8 *	22.1 *	24.0 *
SOLANO	32.0	30.9	13.0	11.5	9.3	9.3
SONOMA	35.4	30.9	12.4	9.9	12.3	12.0
STANISLAUS	49.6	47.5	18.0	14.5	11.7	10.2
SUTTER	44.7	39.9	26.0	18.0 *	10.8 *	10.6 *
TEHAMA	53.7	49.3	25.7 *	17.6 *	12.3 *	20.6 *
TRINITY	91.2 *	72.9 *	56.2 *	25.5 *	48.5 *	34.1 *
TULARE	52.3	42.2	25.6	20.6	9.1	9.6
TUOLUMNE	72.2	52.7	33.6 *	12.9 *	22.2 *	19.1 *
VENTURA	29.7	31.3	10.3	9.9	9.6	10.5
YOLO	36.3	32.5	12.3	10.6	7.8 *	10.9
YUBA	57.8	65.0	24.1 *	19.9 *	19.5 *	17.9 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2003-2008

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		(THREE-YEAR AVERAGES) ¹		(THREE-YEAR AVERAGES) ¹	
	2003-2005	2006-2008	2003-2005	2006-2008	2003-2005	2006-2008
CALIFORNIA	6.8	6.3	9.4	8.5	10.2	10.6
ALAMEDA	8.3	10.8	9.5	12.0	9.8	11.1
ALPINE	22.2 *	-	64.1 *	15.7 *	-	-
AMADOR	0.9 *	1.0 *	11.6 *	10.7 *	19.5 *	20.1 *
BUTTE	3.3 *	4.4 *	10.4	11.0	20.0	31.2
CALAVERAS	3.9 *	3.9 *	17.4 *	13.3 *	13.9 *	9.0 *
COLUSA	-	4.4 *	2.9 *	10.0 *	10.6 *	5.9 *
CONTRA COSTA	8.7	9.7	11.1	12.0	9.2	9.3
DEL NORTE	4.2 *	7.9 *	11.2 *	4.0 *	19.7 *	15.6 *
EL DORADO	2.4 *	3.8 *	12.0	9.9 *	13.1	17.8
FRESNO	8.1	7.4	10.7	9.6	12.6	12.1
GLENN	-	3.2 *	13.1 *	10.0 *	11.0 *	17.2 *
HUMBOLDT	5.4 *	2.4 *	14.1 *	11.9 *	31.5	36.3
IMPERIAL	3.5 *	3.9 *	5.7 *	5.9 *	7.5 *	9.8 *
INYO	4.0 *	-	17.2 *	5.8 *	6.9 *	4.1 *
KERN	7.4	7.1	11.4	10.7	15.4	16.6
KINGS	3.6 *	3.4 *	5.9 *	6.9 *	8.0 *	8.7 *
LAKE	4.1 *	7.2 *	9.1 *	13.3 *	20.9 *	28.1 *
LASSEN	5.2 *	2.3 *	14.3 *	8.2 *	14.1 *	28.4 *
LOS ANGELES	10.6	8.8	11.9	9.8	8.2	7.4
MADERA	6.6 *	5.7 *	11.4 *	8.9 *	12.2 *	8.0 *
MARIN	1.9 *	1.7 *	5.1 *	4.6 *	10.8	13.1
MARIPOSA	-	2.0 *	12.7 *	12.9 *	20.6 *	18.3 *
MENDOCINO	6.7 *	6.2 *	13.1 *	15.8 *	15.3 *	21.0 *
MERCED	8.6	7.2	10.8	8.6	9.3 *	9.8
MODOC	-	-	17.4 *	16.9 *	17.6 *	30.1 *
MONO	-	-	7.6 *	-	4.5 *	-
MONTEREY	5.6	6.5	8.0	8.1	11.6	9.4
NAPA	3.0 *	1.9 *	6.3 *	6.2 *	6.7 *	7.8 *
NEVADA	1.2 *	1.8 *	6.6 *	15.6 *	12.1 *	12.6 *
ORANGE	2.6	2.6	5.4	4.7	8.1	9.1
PLACER	2.0 *	1.7 *	6.3	6.1 *	10.9	14.7
PLUMAS	4.3 *	2.8 *	15.6 *	11.5 *	15.3 *	20.5 *
RIVERSIDE	5.8	5.2	9.8	8.8	10.8	11.2
SACRAMENTO	7.2	7.3	10.2	10.0	15.7	17.1
SAN BENITO	2.0 *	4.4 *	2.9 *	5.0 *	9.5 *	3.7 *
SAN BERNARDINO	9.0	7.2	12.1	10.1	11.2	10.6
SAN DIEGO	4.1	3.7	7.4	6.5	10.4	11.3
SAN FRANCISCO	9.4	10.3	9.1	10.0	17.1	21.8
SAN JOAQUIN	6.7	7.2	10.7	9.6	14.5	16.5
SAN LUIS OBISPO	2.1 *	2.6 *	6.5 *	6.8 *	9.3	12.6
SAN MATEO	4.8	3.6	7.0	5.8	7.3	7.1
SANTA BARBARA	1.5 *	2.5 *	4.6	4.4 *	10.9	10.5
SANTA CLARA	2.8	2.8	4.0	3.8	5.6	6.6
SANTA CRUZ	2.8 *	2.8 *	5.7 *	5.4 *	10.6	12.1
SHASTA	4.2 *	5.9 *	13.1	13.8	24.7	27.6
SIERRA	-	-	7.0 *	5.0 *	14.0 *	6.6 *
SISKIYOU	7.3 *	4.6 *	18.9 *	20.8 *	15.1 *	15.0 *
SOLANO	6.6	8.2	8.6	10.1	8.6	9.0
SONOMA	2.8 *	2.4 *	7.4	7.1	12.0	12.2
STANISLAUS	6.4	5.8	9.6	8.3	19.1	17.2
SUTTER	5.9 *	4.0 *	11.4 *	8.5 *	6.7 *	12.3 *
TEHAMA	2.9 *	6.6 *	7.5 *	12.2 *	11.6 *	15.7 *
TRINITY	3.2 *	7.1 *	38.7 *	29.2 *	19.4 *	35.8 *
TULARE	7.6	9.7	13.0	12.7	11.5	8.6
TUOLUMNE	4.7 *	0.9 *	16.7 *	12.7 *	25.0 *	21.3 *
VENTURA	4.6	3.4	7.5	6.9	9.1	10.9
YOLO	2.2 *	0.8 *	5.2 *	4.5 *	6.8 *	6.7 *
YUBA	5.0 *	4.6 *	17.4 *	10.2 *	5.7 *	3.6 *

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2003-2008

COUNTY OF RESIDENCE	MORBIDITY RATE		MORBIDITY RATE		MORBIDITY RATE	
	REPORTED INCIDENCE OF AIDS (AGED 13 AND OVER) (THREE-YEAR AVERAGES) ^{3,7}		REPORTED INCIDENCE OF CHLAMYDIA (THREE-YEAR AVERAGES) ³		REPORTED INCIDENCE OF GONORRHEA (THREE-YEAR AVERAGES) ³	
	2003-2005	2006-2008	2003-2005	2006-2008	2003-2005	2006-2008
CALIFORNIA	14.1	11.6	336.8	377.7	82.4	79.7
ALAMEDA	17.4	17.8	342.4	440.3	123.1	144.1
ALPINE	-	-	76.7 *	50.1 *	-	-
AMADOR	2.0 *	1.9 *	90.6	177.1	17.8 *	8.6 *
BUTTE	5.9 *	3.0 *	298.4	320.4	63.3	53.5
CALAVERAS	1.7 *	0.8 *	79.9	72.3	23.4 *	10.8 *
COLUSA	-	-	127.4	140.1	23.9 *	10.4 *
CONTRA COSTA	9.9	7.8	268.6	330.6	70.4	82.0
DEL NORTE	9.4 *	2.6 *	94.9	102.3	6.9 *	4.4 *
EL DORADO	1.6 *	2.4 *	128.4	133.3	12.0	11.1
FRESNO	6.9	9.3	545.2	582.6	136.4	115.3
GLENN	2.9 *	-	206.3	211.4	11.9 *	18.1 *
HUMBOLDT	6.6 *	4.1 *	256.3	288.3	29.8	27.2
IMPERIAL	8.5 *	10.7 *	245.0	369.6	31.1	30.9
INYO	6.2 *	2.0 *	137.4	184.8	21.1 *	5.3 *
KERN	14.6	12.7	497.8	584.3	133.5	134.2
KINGS	6.7 *	4.9 *	428.3	344.5	75.5	61.8
LAKE	4.3 *	2.4 *	173.6	163.1	20.1 *	14.8 *
LASSEN	4.3 *	5.2 *	122.6	109.3	25.3 *	8.1 *
LOS ANGELES	19.4	14.8	402.5	431.1	99.9	97.3
MADERA	2.7 *	5.5 *	449.1	480.2	93.0	70.0
MARIN	10.3	10.7	164.1	214.9	22.2	32.4
MARIPOSA	-	2.0 *	94.1 *	73.4 *	20.3 *	14.3 *
MENDOCINO	6.2 *	4.3 *	217.1	229.7	19.3 *	21.6
MERCED	3.5 *	3.2 *	392.9	369.8	87.1	61.0
MODOC	-	-	75.3 *	124.4 *	13.1 *	38.3 *
MONO	2.8 *	-	68.0 *	125.1 *	9.7 *	14.2 *
MONTEREY	7.5	6.9	290.9	310.4	47.3	37.2
NAPA	3.7 *	5.6 *	131.8	180.6	16.3	17.5
NEVADA	2.3 *	0.8 *	116.5	129.1	9.1 *	9.6 *
ORANGE	8.0	7.8	221.6	261.4	33.4	30.5
PLACER	2.6 *	1.5 *	137.3	196.6	20.5	17.1
PLUMAS	5.3 *	1.7 *	72.9 *	192.9	12.4 *	21.6 *
RIVERSIDE	13.0	9.6	223.3	284.5	43.5	48.6
SACRAMENTO	9.1	7.1	451.1	534.2	146.0	141.0
SAN BENITO	1.5 *	2.8 *	221.0	242.3	66.9	27.6 *
SAN BERNARDINO	9.6	8.1	379.7	407.7	102.1	84.8
SAN DIEGO	17.5	14.5	354.3	414.7	76.6	76.7
SAN FRANCISCO	70.8	58.7	451.4	501.9	269.4	269.7
SAN JOAQUIN	10.2	9.5	402.9	494.5	113.9	120.5
SAN LUIS OBISPO	7.2 *	5.9 *	196.0	232.7	17.6	15.8
SAN MATEO	5.9	4.5	202.0	250.3	33.0	37.6
SANTA BARBARA	7.6	5.7	255.0	273.8	21.3	20.0
SANTA CLARA	8.3	8.4	295.1	318.2	52.7	48.6
SANTA CRUZ	7.2 *	4.9 *	223.9	246.2	32.4	27.1
SHASTA	6.1 *	2.8 *	333.2	229.7	29.3	14.1
SIERRA	-	-	17.9 *	63.6 *	9.0 *	-
SISKIYOU	0.8 *	1.7 *	213.2	206.9	17.5 *	7.2 *
SOLANO	13.9	13.0	345.7	447.8	76.1	78.5
SONOMA	13.0	10.5	143.2	172.6	28.7	19.8
STANISLAUS	6.0	6.6	358.7	360.7	98.4	74.1
SUTTER	2.9 *	5.3 *	203.7	231.6	71.3	24.8
TEHAMA	3.3 *	1.3 *	226.9	214.5	18.9 *	23.4 *
TRINITY	-	-	102.7 *	97.6 *	7.2 *	9.1 *
TULARE	5.3 *	2.5 *	438.8	400.8	83.2	74.3
TUOLUMNE	0.7 *	2.6 *	144.6	105.9	15.7 *	17.3 *
VENTURA	5.6	3.5	190.0	215.6	20.5	20.2
YOLO	3.7 *	1.8 *	240.4	262.2	29.1	33.7
YUBA	1.3 *	1.1 *	316.4	277.2	97.0	33.0

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES AND PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS
CALIFORNIA COUNTIES, 2003-2008

COUNTY OF RESIDENCE	MORBIDITY RATE		MORTALITY RATE		PERCENT	
	REPORTED INCIDENCE OF TUBERCULOSIS** (THREE-YEAR AVERAGES) ³		INFANT MORTALITY, ALL RACE/ETHNIC GROUPS (THREE-YEAR AVERAGES) ⁴		LOW BIRTHWEIGHT INFANTS (THREE-YEAR AVERAGES) ⁵	
	2003-2005	2006-2008	2002-2004	2005-2007	2003-2005	2006-2008
CALIFORNIA	8.3	7.2	5.4	5.3	6.7	6.9
ALAMEDA	10.9	9.6	4.6	4.7	7.1	7.2
ALPINE	-	-	-	-	2.7 *	2.6 *
AMADOR	-	-	7.3 *	5.8 *	4.1 *	4.9 *
BUTTE	2.0 *	1.4 *	6.9 *	7.8	5.8	5.9
CALAVERAS	-	0.7 *	3.1 *	4.3 *	7.2	5.7
COLUSA	1.6 *	4.5 *	5.1 *	0.9 *	4.5 *	5.9
CONTRA COSTA	6.7	5.8	3.9	4.3	6.7	6.7
DEL NORTE	1.1 *	-	4.6 *	11.5 *	4.8 *	5.7
EL DORADO	1.4 *	2.0 *	4.6 *	3.2 *	6.2	6.4
FRESNO	10.9	6.4	7.4	6.4	7.0	7.5
GLENN	3.6 *	4.5 *	3.2 *	5.3 *	4.6	4.5
HUMBOLDT	2.5 *	0.3 *	7.3 *	6.4 *	6.2	6.0
IMPERIAL	18.4	15.4	5.0 *	4.9 *	5.9	6.5
INYO	1.8 *	-	10.2 *	13.5 *	7.9 *	9.4
KERN	5.6	5.3	6.3	6.5	7.0	7.1
KINGS	3.5 *	2.8 *	7.5 *	5.7 *	6.5	6.4
LAKE	2.1 *	2.0 *	6.5 *	2.3 *	6.5	5.9
LASSEN	1.9 *	-	5.5 *	11.1 *	5.8 *	5.3 *
LOS ANGELES	9.8	8.5	5.4	5.3	7.2	7.4
MADERA	6.7 *	5.3 *	4.7 *	5.1 *	6.4	6.2
MARIN	5.3 *	3.7 *	2.7 *	3.6 *	6.4	6.4
MARIPOSA	-	-	4.8 *	2.4 *	5.2 *	5.8 *
MENDOCINO	3.3 *	4.0 *	7.3 *	8.0 *	6.2	6.5
MERCED	4.5 *	2.5 *	6.3	6.1	6.4	6.2
MODOC	-	-	-	12.4 *	6.3 *	5.6 *
MONO	-	-	6.7 *	11.8 *	7.6 *	9.9 *
MONTEREY	9.5	5.9	5.7	4.6	6.2	5.7
NAPA	4.0 *	4.1 *	3.7 *	5.9 *	5.5	6.2
NEVADA	1.4 *	1.7 *	3.2 *	4.5 *	6.0	6.2
ORANGE	7.8	7.0	4.5	4.9	6.2	6.4
PLACER	2.1 *	2.1 *	4.7 *	5.2	5.6	5.9
PLUMAS	-	-	3.7 *	1.9 *	7.2 *	5.1 *
RIVERSIDE	3.8	3.8	6.1	5.6	6.4	6.6
SACRAMENTO	11.2	7.5	6.0	5.8	6.9	6.8
SAN BENITO	2.3 *	1.1 *	2.2 *	4.5 *	5.4	6.5
SAN BERNARDINO	3.4	3.1	7.1	6.6	7.1	7.1
SAN DIEGO	10.3	9.2	5.0	5.0	6.4	6.7
SAN FRANCISCO	18.0	15.8	4.4	3.5	6.9	7.3
SAN JOAQUIN	10.2	9.4	7.0	5.9	6.8	7.0
SAN LUIS OBISPO	2.3 *	0.8 *	4.3 *	4.3 *	6.3	6.1
SAN MATEO	7.9	10.4	3.8	4.9	6.8	6.6
SANTA BARBARA	6.5	5.0	4.3	5.0	6.6	6.2
SANTA CLARA	12.0	12.4	4.1	4.1	6.5	6.6
SANTA CRUZ	3.6 *	3.2 *	5.0 *	4.6 *	5.4	5.8
SHASTA	3.4 *	2.0 *	5.4 *	6.7 *	6.5	6.0
SIERRA	-	-	12.7 *	13.7 *	2.4 *	5.0 *
SISKIYOU	0.7 *	-	5.1 *	4.7 *	6.7	7.9
SOLANO	8.9	7.4	5.2	6.2	7.0	7.2
SONOMA	3.2 *	2.5 *	4.1	4.1	5.7	5.6
STANISLAUS	3.1 *	3.3 *	6.8	6.9	6.5	6.5
SUTTER	2.3 *	3.5 *	4.3 *	3.9 *	5.7	5.6
TEHAMA	4.4 *	3.7 *	6.9 *	4.9 *	6.1	5.2
TRINITY	-	2.3 *	6.2 *	13.7 *	7.2 *	4.9 *
TULARE	4.3 *	6.0	5.6	6.4	6.1	6.2
TUOLUMNE	0.6 *	-	2.9 *	7.1 *	4.7	5.3
VENTURA	8.3	6.9	6.2	5.9	6.6	6.7
YOLO	4.6 *	3.4 *	4.6 *	4.1 *	5.2	5.3
YUBA	6.0 *	4.9 *	6.3 *	4.3 *	6.5	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, 2003-2008

COUNTY OF RESIDENCE	AGE-SPECIFIC BIRTH RATE		PERCENT	
	BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD (THREE-YEAR AVERAGES) ⁶		ADEQUATE/ADEQUATE PLUS PRENATAL CARE (THREE-YEAR AVERAGES) ⁵	
	2003-2005	2006-2008	2003-2005	2006-2008
CALIFORNIA	38.2	36.6	78.5	78.7
ALAMEDA	27.2	26.8	78.5	79.9
ALPINE	20.4 *	36.2 *	55.6 *	48.6 *
AMADOR	24.8	19.5	79.0	86.2
BUTTE	29.6	29.5	75.2	72.1
CALAVERAS	20.9	20.6	72.7	75.8
COLUSA	48.1	42.2	75.4	76.9
CONTRA COSTA	23.2	22.7	77.6	76.4
DEL NORTE	42.4	41.0	76.8	72.1
EL DORADO	17.6	15.7	68.6	70.6
FRESNO	57.1	56.0	85.9	83.4
GLENN	46.7	43.5	79.0	77.3
HUMBOLDT	27.6	30.5	67.1	72.8
IMPERIAL	57.8	55.5	65.0	61.7
INYO	35.2	36.9	63.9	65.6
KERN	62.3	63.7	74.2	70.3
KINGS	66.6	62.4	70.4	72.9
LAKE	36.9	42.7	65.9	67.5
LASSEN	31.3	24.8	73.0	75.9
LOS ANGELES	40.7	36.4	83.1	83.4
MADERA	64.1	61.6	72.3	69.2
MARIN	11.7	12.3	91.4	90.4
MARIPOSA	24.6 *	17.9 *	70.7	66.3
MENDOCINO	37.1	34.7	70.5	72.6
MERCED	54.1	53.8	56.2	55.4
MODOC	29.3 *	25.3 *	63.7	49.6
MONO	20.1 *	28.7 *	74.5	78.1
MONTEREY	58.7	56.2	75.7	73.4
NAPA	29.5	27.3	73.5	78.1
NEVADA	16.5	16.9	69.5	73.9
ORANGE	30.0	27.7	85.8	85.4
PLACER	16.8	15.5	78.9	78.5
PLUMAS	20.2 *	18.5 *	64.3	58.9
RIVERSIDE	41.1	41.1	75.9	76.8
SACRAMENTO	37.1	36.5	74.0	74.6
SAN BENITO	34.4	35.1	64.3	73.5
SAN BERNARDINO	45.8	46.1	76.1	76.0
SAN DIEGO	36.0	34.3	73.6	73.9
SAN FRANCISCO	23.2	22.2	81.0	81.9
SAN JOAQUIN	48.7	46.1	63.2	68.6
SAN LUIS OBISPO	21.4	21.0	81.7	83.0
SAN MATEO	22.3	21.5	85.1	84.7
SANTA BARBARA	40.9	43.1	79.1	78.2
SANTA CLARA	26.2	25.5	76.3	79.5
SANTA CRUZ	31.6	32.6	82.0	82.6
SHASTA	37.1	34.2	72.6	69.7
SIERRA	4.8 *	6.1 *	61.0 *	68.3 *
SISKIYOU	33.1	38.7	70.0	70.6
SOLANO	30.3	30.1	69.3	72.6
SONOMA	26.2	25.1	70.2	73.2
STANISLAUS	45.4	43.5	70.3	72.2
SUTTER	41.4	39.7	74.4	70.0
TEHAMA	44.3	43.7	70.9	72.7
TRINITY	23.3 *	21.5 *	60.5	56.1
TULARE	66.0	61.3	73.5	76.1
TUOLUMNE	22.3	27.5	76.2	76.3
VENTURA	33.4	35.7	79.8	79.6
YOLO	21.9	22.3	72.4	75.3
YUBA	57.8	46.6	70.8	67.1

* 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 Excludes multiple/contributing causes of death.

³ Crude case rates are per 100,000 population.

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

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

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

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

Source: California Department of Public Health, Center for Health Statistics: 2003-2008 Birth and Death Statistical Master Files and 2002-2007 Birth Cohort Files.
 California Department of Public Health, Office of AIDS Surveillance Section, Communicable Disease Control.
 Department of Finance: 2004 and 2007 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 2003 through 2008, and from the linked births-deaths in the Birth Cohort-Perinatal Outcome Files for the years 2002 through 2007, which are based on the Statistical Master Files.

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

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

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

DATA DEFINITIONS

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

A small number of non-traffic deaths have previously been reported along with traffic deaths in prior publication tables titled "Deaths Due to Motor Vehicle Crashes." A non-traffic accident is any vehicle accident that occurs entirely in some place other than a public highway. An average of 158 non-traffic deaths during 2006 through 2008 was not included in Table 15, which was re-titled "Deaths Due to Motor Vehicle Traffic Crashes." This change, effective with County Health Status Profiles 2009, aligns the data for direct comparison with Healthy People 2010 objectives.

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

Table 1:	All Causes of Death.....	A00-Y89
Table 2:	All Cancers	C00-C97
Table 3:	Colorectal Cancer.....	C18-C21
Table 4:	Lung Cancer.....	C33-C34
Table 5:	Female Breast Cancer.....	C50
Table 6:	Prostate Cancer.....	C61
Table 7:	Diabetes	E10-E14
Table 8:	Alzheimer’s Disease	G30
Table 9:	Coronary Heart Disease	I11, I20-I25
Table 10:	Cerebrovascular Diseases (Stroke).....	I60-I69
Table 11:	Influenza/Pneumonia.....	J09-J18
Table 12:	Chronic Lower Respiratory Diseases	J40-J47
Table 13:	Chronic Liver Disease and Cirrhosis	K70, K73-K74
Table 14:	Accidents (Unintentional Injuries)	V01-X59, Y85-Y86
Table 15:	Motor Vehicle Traffic Crashes.....	V02-V04 (.1, .9), V09.2, V12-V14 (.3-.9), V19 (.4-.6), V20-V28 (.3-.9), V29-V79 (.4-.9), V80 (.3-.5), V81.1, V82.1, V83-V86 (.0-.3), V87 (.0-.8), V89.2
Table 16:	Suicide.....	U03, X60-X84, Y87.0
Table 17:	Homicide	U01-U02, X85-Y09, Y87.1
Table 18:	Firearm-Related Deaths	U01.4, W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0
Table 19:	Drug-Induced Deaths	D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, K85.3, L10.5, L27.0, L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R50.2, R78.1-R78.5, X40-X44, X60-X64, X85, Y10-Y14

Morbidity (Tables 20-23): In general, the case definition of a disease means laboratory test results, or in their absence, a constellation of clearly specified signs and symptoms that meet a series of clinical criteria. CDC online case definitions may be found at URL: http://www.cdc.gov/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.

Nativity (Tables 25-27B): The natality data were obtained from Birth Statistical Master Files for 2006 through 2008. Records with specific unknown attributes were excluded from the total number of live births in developing the following tables: Table 25 excludes unknown birthweights; Table 27A excludes unknown prenatal care; and Table 27B excludes unknown adequacy of prenatal care.

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

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

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

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

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

Only adequate and adequate plus prenatal care is used in Table 27B to measure the adequacy of prenatal care utilization. Also, please note the two-factor index does not assess the quality of the prenatal care that was delivered, but simply its utilization. For further information on the Adequacy of Prenatal Care Utilization Index, see the "*American Journal of Public Health*" article by Kotelchuck listed in the bibliography.

Breastfeeding Initiation During Early Postpartum (Table 28): Extensive research demonstrates the diverse and compelling advantages to infants, mothers, families, and society from breastfeeding and the use of human milk for infant feeding. Breastfeeding provides advantages with regard to the general health, growth, and development of infants, while significantly decreasing their risk for a large number of acute and chronic diseases. There are also a number of studies that indicate possible health benefits for mothers such as less postpartum bleeding, rapid uterine involution, and reduced risk of ovarian cancer and post-menopausal breast cancer. In addition to individual health benefits, breastfeeding provides significant social and economic benefits to the nation, including reduced health care costs and reduced employee absenteeism for care attributable to child illness.

Breastfeeding initiation data presented in this report were obtained from the Center for Family Health, Genetic Disease Screening Program, Newborn Screening Data with analyses by the Maternal, Child and Adolescent Health Program. All nonmilitary hospitals providing maternity services are required to complete the Newborn Screening Test Form prior to an infant's discharge. Analyses are limited to cases reported on the Newborn Screening Test Form Version NBS-I(C)(6/07). To complete the form, staff must select all applicable classes from the following five categories to describe 'all nutrition since birth (per chart review)': (1) Human Milk, (2) Formula, (3) Fortifier, (4) TPN/Hyperal, and (5) IV Fluid. The numerator for breastfeeding initiation data presented in Table 28 includes records marked as either "Human Milk" or "Human Milk and Formula."

The denominator excludes cases with unknown method of feeding (not reported) and cases marked as “TPN/Hyperal”, “Fortifier” and/or “IV Fluid” alone or in combination with “Human Milk” and/or “Formula”.

Please Note: The 2008 analyses exclude data for infants that were in a Neonatal Intensive Care Unit (NICU) nursery at the time of specimen collection and should not be compared to data reported in previous County Health Status Profiles Reports or data currently posted (2000-2007) to the Breastfeeding Statistics web-site.

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

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

CRUDE RATES AND AGE-ADJUSTED RATES

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

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

Age-adjusted death rates are hypothetical rates obtained by calculating age-specific rates for each county and multiplying these rates by proportions of the same age categories in a "standard population," then summing the apportioned specific rates to a county total. The "standard population" used in the age-adjusted rates in this report is the 2000 U.S. Standard Population. The age-adjusted rates put all counties on the same footing with respect to the effect of age and permit direct comparisons among counties. It is important to understand that age-adjusted death rates should be viewed as constructs or index numbers rather than as actual measures of the risk of mortality. Crude death rates, which include the effect of age, are the rates that should be applied when measuring the actual risk of dying in a specific population. For further information on age-adjusted rates,

see the NCHS report by Curtin and Klein on "Direct Standardization," listed in the bibliography. Data for the morbidity tables were not age-adjusted due to the unavailability of the morbidity data by age. Hence, only crude case rates were calculated. Although age and aging do affect morbidity, the effect is not as prominent as their impact on mortality. Birth cohort infant death rates are not age-adjusted. Since the deaths are linked to the births on a record-by-record basis, these rates are based on a numerator (deaths) and a denominator (births) from the same record. Birth cohort comparisons among counties reflect the actual risk of dying within one year of birth, and concurrently, are unaffected by confounding age compositions because the cohorts represent the same age group (under one year).

RELIABILITY OF RATES

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

As a consequence, counties with only a few deaths, or a few cases of morbidity, can have highly unstable rates from year to year. The observation of zero events is especially hazardous, regardless of the population size. This report reduces some year-to-year fluctuation in the occurrence of rare events by basing rates on three-year average numbers of events (e.g., 2006-2008), divided by the population in the middle year (e.g., 2007).

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 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 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.

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

FORMULAS USED IN THIS REPORT

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

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

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

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

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

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

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

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

Where:

- CDR = Crude Death Rate
- ADR = Age-Adjusted Death Rate
- ASDR = Age-Specific Death Rate
- nD = Number of Deaths
- N_{pop} = Population Size
- nD_a = Number of Deaths in an Age Group
- N_{pop_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, 2006 through 2008 for Alameda County.

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

- STEP 1:** Array the data of three-year average number of deaths and population for 11 age groups in columns A and B.
- STEP 2:** Calculate age-specific rates by dividing the number of deaths in column A (numerator) by the population in column B (denominator). Multiply the result (quotient) by the base of 100,000 to obtain the rates in column C.
- STEP 3:** Multiply each age-specific rate in column C by the corresponding 2000 U.S. Standard Population proportion in column D and enter the result in column E.
- STEP 4:** The values for each age group in column E are summed to obtain the Age-Adjusted Death Rate for Alameda County of 641.7 per 100,000 population.
- STEP 5:** Repeat Steps 1 through 4 for each county and the statewide total. Note that the 2000 U.S. Standard Population proportions remain the same for each county and the state.
- STEP 6:** Direct comparisons can now be made among the counties, with the removal of the effect that varying county age compositions may have on death rates.

APPENDIX A

CALIFORNIA'S HEALTH STATUS PROFILE 2010

MORTALITY									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2006-2008 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	AGE-ADJUSTED NATIONAL	DEATH RATE STATEWIDE
	ALL CAUSES	234,663.7	620.6	666.4	663.7	669.1	a	760.3	666.4
03-01	ALL CANCERS	54,513.3	144.2	155.9	154.6	157.2	158.6	177.5	155.9
03-05	COLORECTAL CANCER	5,140.3	13.6	14.7	14.3	15.1	13.7	16.7	14.7
03-02	LUNG CANCER	13,118.7	34.7	38.1	37.5	38.8	43.3	50.5	38.1
03-03	FEMALE BREAST CANCER	4,185.3	22.1	21.2	20.6	21.9	21.3	23.5	21.2
03-07	PROSTATE CANCER	2,991.7	15.9	21.8	21.0	22.6	28.2	23.5	21.8
05-05	DIABETES	7,370.3	19.5	21.1	20.7	21.6	b	22.4	21.1
	ALZHEIMER'S DISEASE	8,910.3	23.6	25.7	25.2	26.2	a	22.8	25.7
12-01	CORONARY HEART DISEASE	47,924.7	126.7	137.1	135.8	138.3	162.0	134.5	137.1
12-07	CEREBROVASCULAR DISEASE (STROKE)	14,175.7	37.5	40.8	40.1	41.5	50.0	41.6	40.8
	INFLUENZA/PNEUMONIA	6,809.0	18.0	19.6	19.1	20.1	a	16.3	19.6
	CHRONIC LOWER RESPIRATORY DISEASE	12,883.3	34.1	37.8	37.2	38.5	a	41.2	37.8
26-02	CHRONIC LIVER DISEASE AND CIRRHOSIS	4,006.7	10.6	10.7	10.4	11.0	3.2	8.9	10.7
15-13	ACCIDENTS (UNINTENTIONAL INJURIES)	11,109.7	29.4	29.7	29.2	30.3	17.1	37.8	29.7
15-15a	MOTOR VEHICLE TRAFFIC CRASHES	3,898.7	10.3	10.3	10.0	10.6	8.0	14.4	10.3
18-01	SUICIDE	3,522.7	9.3	9.4	9.1	9.7	4.8	10.8	9.4
15-32	HOMICIDE	2,407.0	6.4	6.3	6.0	6.5	2.8	5.8	6.3
15-03	FIREARM-RELATED DEATHS	3,243.3	8.6	8.5	8.2	8.8	3.6	10.1	8.5
26-03	DRUG-INDUCED DEATHS	4,075.7	10.8	10.6	10.3	10.9	1.2	10.4	10.6

MORBIDITY									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2006-2008 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	CRUDE CASE RATE NATIONAL	STATEWIDE	
13-01	AIDS INCIDENCE (AGE 13 AND OVER)	3,564.7	11.6	11.2	12.0	1.0	14.4	11.6	
25-01	CHLAMYDIA INCIDENCE	142,827.0	377.7	375.8	379.7	d	c	377.7	
25-02a	GONORRHEA INCIDENCE	30,149.0	79.7	78.8	80.6	19.0	119.0	79.7	
14-11	TUBERCULOSIS INCIDENCE	2,733.0	7.2	7.0	7.5	1.0	4.4	7.2	

INFANT MORTALITY									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2005-2007 DEATHS (AVERAGE)	BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	BIRTH COHORT NATIONAL	INFANT DEATH RATE STATEWIDE	
16-01c	INFANT MORTALITY: ALL RACES	2,989.0	5.3	5.2	5.5	4.5	6.7	5.3	
16-01c	INFANT MORTALITY: ASIAN/PI	298.7	4.5	4.0	5.0	4.5	4.9	4.5	
16-01c	INFANT MORTALITY: BLACK	364.0	12.4	11.1	13.6	4.5	13.3	12.4	
16-01c	INFANT MORTALITY: HISPANIC	1,509.0	5.2	4.9	5.4	4.5	5.5	5.2	
16-01c	INFANT MORTALITY: WHITE	740.3	4.8	4.5	5.2	4.5	5.6	4.8	

NATALITY									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2006-2008 BIRTHS (AVERAGE)	PERCENT	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	PERCENTAGE NATIONAL	STATEWIDE	
16-10a	LOW BIRTHWEIGHT INFANTS	38,367.7	6.9	6.8	6.9	5.0	8.2	6.9	
16-06a	LATE OR NO PRENATAL CARE	89,491.7	16.3	16.1	16.4	10.0	16.8	16.3	
16-06b	ADEQUATE/ADEQUATE PLUS CARE	427,677.7	78.7	78.5	79.0	90.0	dsu	78.7	

NATALITY									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2006-2008 BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTH RATE	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	AGE-SPECIFIC NATIONAL	BIRTH RATE STATEWIDE	
	BIRTHS TO MOTHERS AGED 15-19	52,622.3	36.6	36.3	36.9	a	42.5	36.6	

BREASTFEEDING									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2008 BIRTHS	PERCENT	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	PERCENTAGE NATIONAL	STATEWIDE	
16-19a	BREASTFEEDING INITIATION	374,895	86.2	85.9	86.5	75.0	73.9	86.2	

CENSUS									
HP 2010 OBJECTIVE	HEALTH STATUS INDICATOR	2007 NUMBER	PERCENT	95% CONFIDENCE LIMITS LOWER UPPER		NATIONAL OBJECTIVE	PERCENTAGE NATIONAL	STATEWIDE	
	PERSONS UNDER 18 IN POVERTY	1,598,466	16.0	15.9	16.0	a	18.0	16.0	

a Healthy People 2010 (HP 2010) National Objective has not been established.
b National Objective is based on both underlying and contributing cause of death which requires use of multiple cause of death files. California's data exclude multiple/contributing causes of death.
c National rate is not comparable to California due to rate calculation methods.
d Prevalence data were not available in all California counties to evaluate HP 2010 National Objective of no more than 3 percent testing positive in the population aged 15 to 24 years.
dsu Data do not meet the criteria for statistical reliability, data quality, or confidentiality. Centers for Disease Control and Prevention (CDCP) website at <http://wonder.cdc.gov/data2010/>. Accessed March 2010.

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Note Crude death rates, crude case rates, and age-adjusted death rates are per 100,000 population. Birth cohort infant death rates are per 1,000 live births. Age-specific birth rates are per 1,000 population.
AIDS and Breastfeeding data are not comparable to prior years publication as a result of changes in data collection and methodology.

Source California Department of Public Health, Center for Health Statistics. 2006-2008 Birth and Death Statistical Master Files and 2005-2007 Birth Cohort-Perinatal Outcome Files.
Division of Communicable Disease Control, Office of AIDS Surveillance Section; and Center for Family Health, Genetic Disease Screening Program, Newborn Screening Data, 2008.
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