COUNTY HEALTH STATUS PROFILES 2017

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH AND
CALIFORNIA CONFERENCE OF LOCAL HEALTH OFFICERS
NATIONAL PUBLIC HEALTH WEEK, APRIL 3-9, 2017

COUNTY HEALTH STATUS PROFILES 2017

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ACKNOWLEDGMENTS

John Rudzinskas, MBA Research Program Specialist II, with the California Department of Public Health (CDPH), Public Health Policy and Research Branch, Assessment and Policy Section, Data Analysis Reporting Unit prepared this report.

Karla Van Meter, **PhD, MS** Research Scientist III, with the CDPH, Public Health Policy and Research Branch, Assessment and Policy Section, Data Analysis Reporting Unit independently peer reviewed the tables and thematic maps.

Ryan Jeske, Research Program Specialist I, and **Robert Edwards**, Research Analyst II, also with the CDPH, Public Health Policy and Research Branch, Assessment and Policy Section, Data Analysis Reporting Unit ably assisted Dr. Van Meter with the peer review.

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

Saul Kanowitz, MPH, with the CDPH, Tuberculosis Control Branch provided tuberculosis case incidence data.

Sunitha H. Gurusinghe, PhD with the CDPH, Office of AIDS provided AIDS case incidence data.

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Center for Health Statistics and Informatics staff, who collected, coded, and edited birth and death certificates, the basis of the Birth and the Death Statistical Master Files.

Cover photography by **John Rudzinskas**. Sacramento National Wildlife Refuge.

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KAREN L. SMITH, MD, MPH
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Governor

Dear Colleague:

We are pleased to present California's ***County Health Status Profiles 2017 (Profiles).*** This report contains selected health status indicators that are recommended by the U.S. Department of Health and Human Services for monitoring state and local progress toward achieving the goals set forth in *Healthy People 2020 (HP 2020)*. These indicators are based on significant and readily available data to help guide the course of health promotion and preventive services.

The *HP 2020 National Objectives* challenge public health professionals to increase the span of high quality healthy lives, achieve health equity, and encourage healthy behaviors for all. This report is an important tool to measure progress toward those goals and to evaluate the health of Californians.

Profiles 2017 includes data years 2009-2015 and is updated each year and amended according to priorities developed by CDPH and the California Conference of Local Health Officers.

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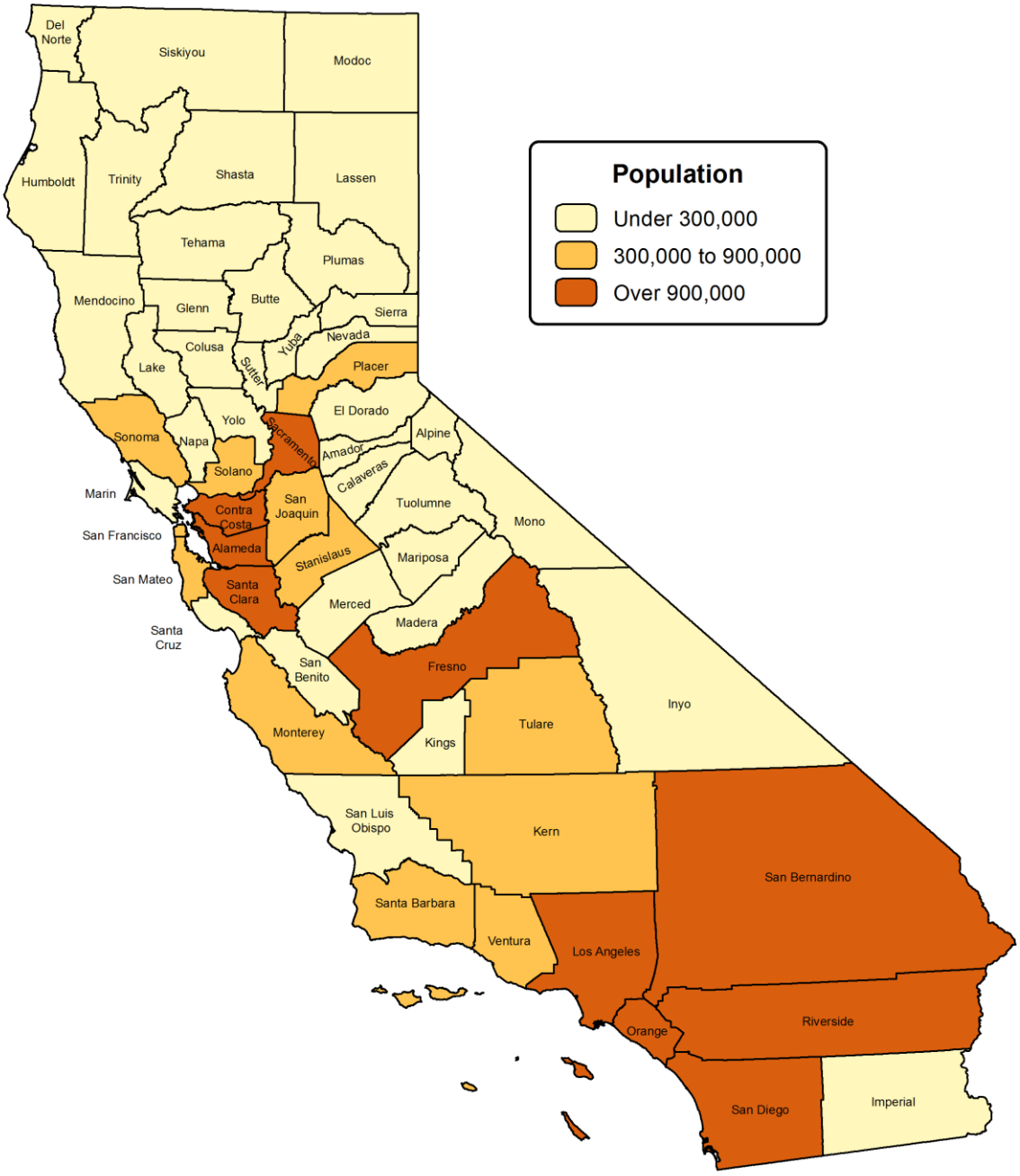
CALIFORNIA COUNTIES

2014 STATEWIDE POPULATION: 38,548,204



State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

INTRODUCTION

County Health Status Profiles 2017 (Profiles 2017) 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 94) provides a summary table of California's rates for selected health status indicators, target rates established for Healthy People 2020 (HP 2020) National Objectives and the previous period rates.

In keeping with the goal of using national standards, causes of death were coded using the International Classification of Diseases, Tenth Revision (ICD-10) and age-adjusted rates were calculated using the year 2000 U.S. standard population weights to facilitate meaningful comparison of vital statistics data rates over time and between groups. For additional information on the HP 2020 recommendations, visit the Centers for Disease Control and Prevention.

Profiles 2017 contains vital statistics and morbidity tables that display the population, number of events, crude rates, and age-adjusted death rates or percentages by county of residence (except where noted). In these tables, counties are ranked by rates or percentages based on the methodology described in the Technical Notes section (pages 83 to 93). Data limitations and qualifications are provided in the Technical Notes to assist the reader with interpretation and comparison of these data. For those who want to learn more about the challenges associated with analysis of vital events involving small numbers, small area analysis, and age-adjusted death rates, references to relevant statistical publications are located in the bibliography.

The tables also identify upper and lower 95 percent confidence intervals, which provide a means to assess the degree of stability for the estimated rates and percentages. Confidence intervals based on 100 or more events are calculated utilizing a normal distribution. In cases where more than zero but fewer than 100 events occurs, a gamma distribution is applied to approximate upper and lower 95 percent confidence intervals and to prevent producing a negative lower confidence interval. For additional information on the use of gamma distributions, please see National Vital Statistics Report, Volume 63, No. 9, August 31, 2015. Vital statistics rates and percentages are subject to random variation, which is inversely related to the number of events (e.g., deaths) used to calculate the rates and percentages. Rates calculated from fewer than 20 events are considered unreliable and are indicated with an asterisk (*). Dashes (-) indicate that percentages and confidence limits are not calculated due to zero events. Thematic maps of California's 58 counties provide added visual comparison of rates or percentages from each table (excluding Table 30) along with the customary health status indicator highlights.

The race/ethnicity population figures by county with age and sex detail were provided by the Demographic Research Unit, California Department of Finance, and were utilized as denominators for the rate calculations. Rates developed for the current period (2013-2015) and previous period (2010-2012) used 2014 and 2011 population estimates, respectively, from the *State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.*

The following California Department of Public Health (CDPH) offices provided data for this report: Vital Records, Communicable Disease Control, Genetic Disease Screening Program, Maternal, Child and Adolescent Health Program, and the Office of AIDS. The estimates of persons under age 18 in poverty for 2014 were obtained from the U.S. Census Bureau.

To access electronic copies of this report, visit the CDPH, Center for Health Statistics and Informatics, Public Health Policy and Research Branch site.

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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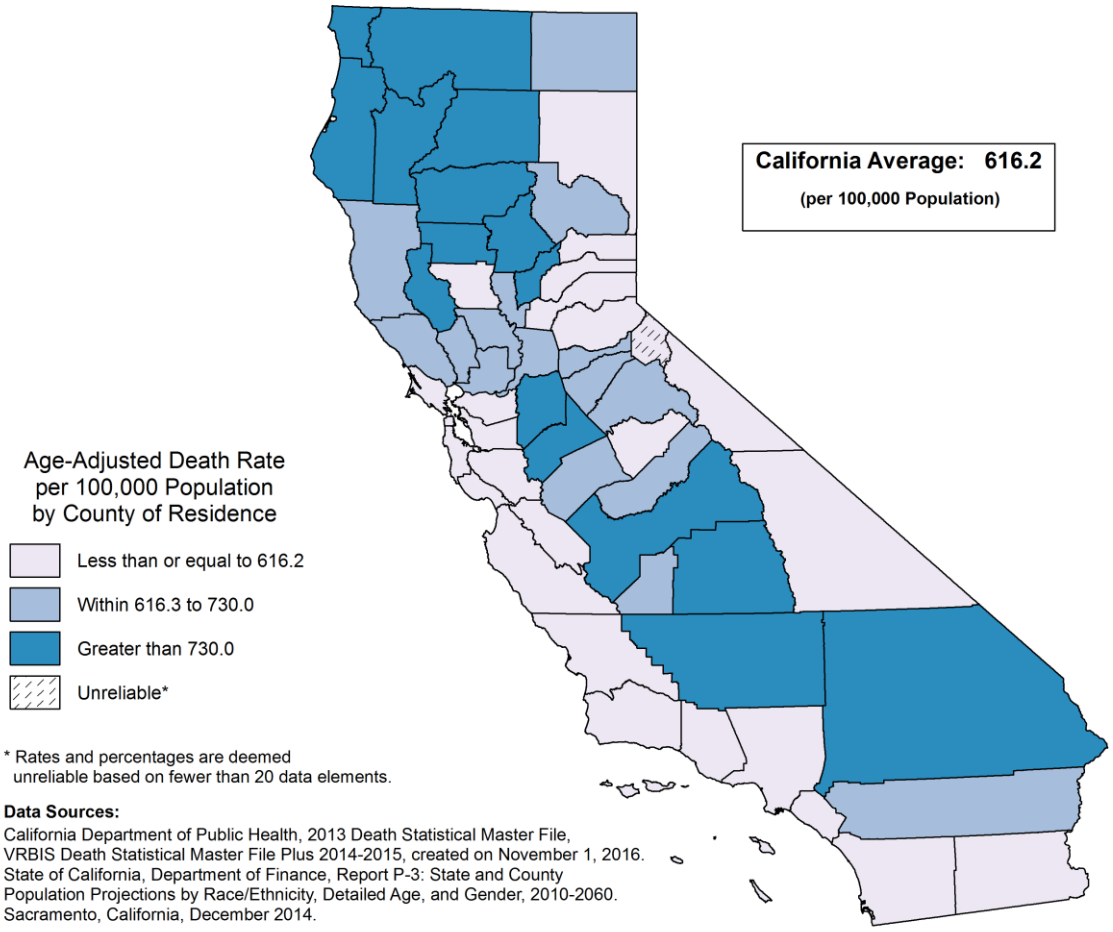
Profiles for the years 1999 through 2016 are available on the CDPH website. Paper copies of the 1993 through 2006 reports may be purchased for $10 by contacting the Public Health Policy and Research Branch at the above mail or email address or phone number.

DEATHS DUE TO ALL CAUSES, 2013-2015



The crude death rate from deaths due to all causes for California was 648.9 deaths per 100,000 population, a risk of dying equivalent to approximately one death for every 154.1 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 250,120.7 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 1,277.0 in Lake County to 346.3 in Mono County, a factor of 3.7 to 1.

The age-adjusted death rate from deaths due to all causes for California during the 2013 through 2015 three-year period was 616.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 912.9 in Lake County to 361.9 in Mono County.

A Healthy People 2020 National Objective for deaths due to all causes has not been established.

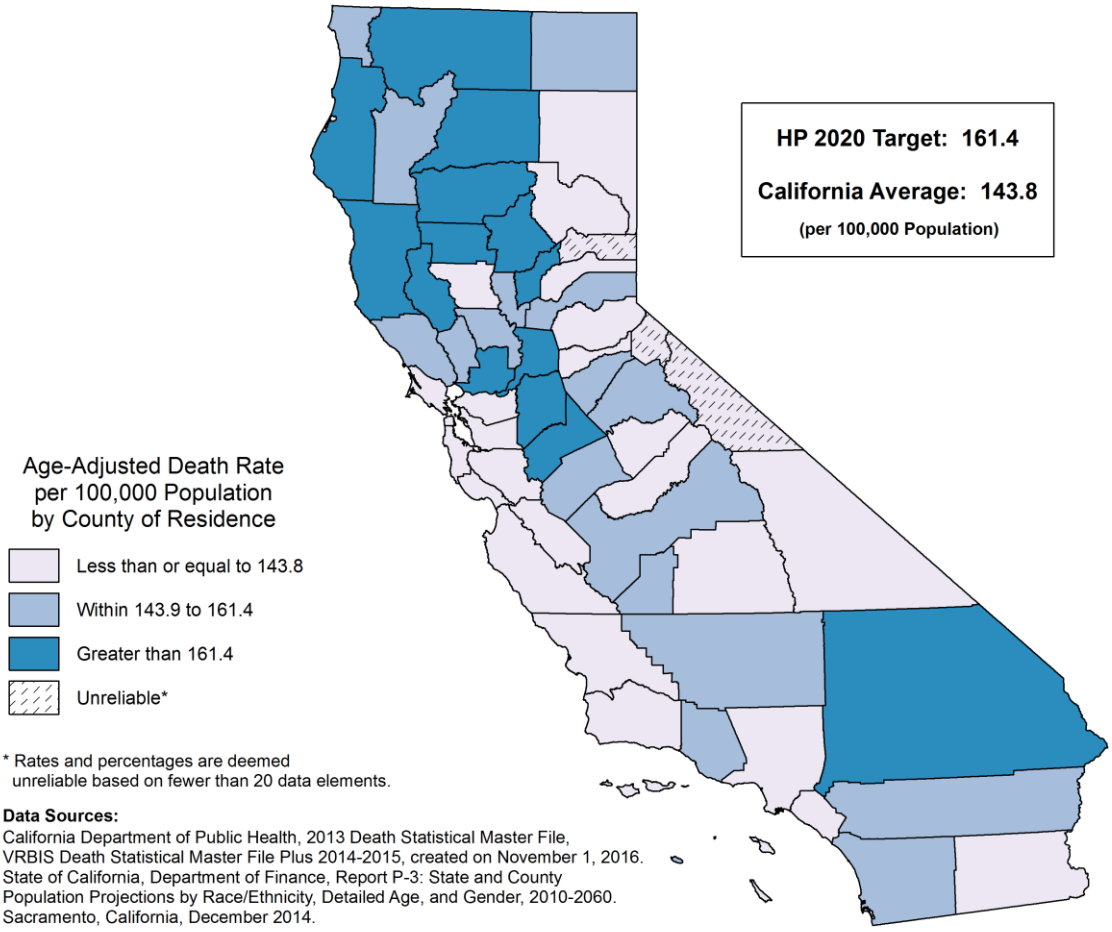
The California age-adjusted death rate from deaths due to all causes for the 2010-2012 period was 635.8 per 100,000 population.

TABLE 1
DEATHS DUE TO ALL CAUSES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:				**NONE**		
1	MONO	14,440	50.0	346.3	361.9	268.6	477.1
2	ALPINE	1,243	6.3	509.5 *	363.7 *	138.0	776.3
3	MARIN	257,792	1,900.7	737.3	485.4	462.7	508.2
4	SAN MATEO	747,334	4,648.0	621.9	493.2	478.7	507.7
5	SANTA CLARA	1,871,516	9,712.7	519.0	496.8	486.8	506.8
6	SIERRA	3,267	31.7	969.3	513.4	350.4	726.1
7	SAN FRANCISCO	840,391	5,579.7	663.9	526.2	512.1	540.3
8	ORANGE	3,125,833	18,826.0	602.3	557.7	549.6	565.8
9	SAN BENITO	58,222	307.7	528.4	557.8	494.0	621.6
10	ALAMEDA	1,582,119	9,582.7	605.7	572.8	561.2	584.5
11	MONTEREY	426,670	2,493.0	584.3	579.3	556.1	602.5
12	LOS ANGELES	10,082,664	60,023.3	595.3	581.3	576.6	586.0
13	SANTA BARBARA	435,999	3,014.7	691.4	584.3	562.9	605.7
14	INYO	19,244	184.3	957.9	587.4	497.7	677.0
15	LASSEN	35,038	204.7	584.1	588.8	506.2	671.4
16	IMPERIAL	183,154	1,027.3	560.9	589.0	552.7	625.4
17	SANTA CRUZ	272,210	1,739.3	639.0	593.3	564.5	622.1
18	COLUSA	22,254	139.3	626.1	594.4	493.9	695.0
19	EL DORADO	184,320	1,436.3	779.3	595.0	563.2	626.8
20	CONTRA COSTA	1,095,476	7,433.7	678.6	595.1	581.3	608.9
21	SAN DIEGO	3,214,279	20,446.7	636.1	598.3	589.9	606.6
22	VENTURA	844,833	5,531.0	654.7	599.1	583.0	615.1
23	PLACER	369,460	2,992.3	809.9	600.0	578.1	621.9
24	NEVADA	98,453	982.3	997.8	600.5	560.1	641.0
25	MARIPOSA	18,091	183.0	1011.6	602.9	507.5	698.3
26	SAN LUIS OBISPO	272,941	2,274.0	833.1	606.2	580.3	632.0
	CALIFORNIA	**38,548,204**	**250,120.7**	**648.9**	**616.2**	**613.7**	**618.6**
27	NAPA	141,172	1,193.3	845.3	625.5	589.0	661.9
28	SONOMA	497,260	4,001.3	804.7	627.9	607.8	648.0
29	CALAVERAS	45,508	479.7	1054.0	640.5	578.4	702.7
30	RIVERSIDE	2,294,333	15,380.0	670.3	645.3	635.1	655.6
31	YOLO	208,069	1,254.3	602.8	647.3	610.9	683.8
32	AMADOR	37,017	425.3	1149.0	661.0	594.3	727.8
33	KINGS	153,601	794.7	517.4	663.4	616.4	710.4
34	SOLANO	428,705	3,073.0	716.8	681.4	656.9	705.9
35	MADERA	154,829	1,053.7	680.5	694.1	651.8	736.3
36	TUOLUMNE	54,592	658.3	1205.9	706.8	649.3	764.2
37	SUTTER	97,257	757.0	778.4	714.0	662.8	765.3
38	MODOC	9,395	106.3	1131.8	716.2	572.1	860.3
39	PLUMAS	19,416	224.7	1157.1	723.2	619.3	827.2
40	MENDOCINO	88,795	857.7	965.9	724.2	673.7	774.8
41	MERCED	266,444	1,644.0	617.0	724.6	689.1	760.0
42	SACRAMENTO	1,461,174	10,961.3	750.2	727.2	713.4	741.0
43	FRESNO	969,338	6,499.0	670.5	732.8	714.8	750.9
44	TULARE	461,703	2,932.3	635.1	744.7	717.4	772.0
45	BUTTE	224,518	2,219.0	988.3	745.5	713.4	777.6
46	SAN BERNARDINO	2,096,123	13,082.7	624.1	747.5	734.4	760.5
47	TEHAMA	64,827	633.3	977.0	767.1	706.2	828.1
48	GLENN	28,868	258.3	894.9	772.6	677.1	868.1
49	TRINITY	13,782	163.3	1185.1	774.7	644.2	905.1
50	SAN JOAQUIN	713,961	5,214.7	730.4	775.9	754.6	797.3
51	STANISLAUS	532,344	4,041.7	759.2	793.3	768.6	818.1
52	KERN	878,356	5,726.7	652.0	795.8	774.7	816.8
53	HUMBOLDT	136,779	1,294.7	946.5	804.4	759.3	849.4
54	SISKIYOU	45,290	561.0	1238.7	805.2	733.4	877.0
55	DEL NORTE	28,477	283.0	993.8	832.3	733.6	930.9
56	YUBA	74,258	587.0	790.5	865.4	794.4	936.5
57	SHASTA	179,305	2,172.7	1211.7	884.0	845.7	922.3
58	LAKE	65,465	836.0	1277.0	912.9	847.8	978.1

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO ALL CANCERS, 2013-2015



The crude death rate from cancer for California was 151.3 deaths per 100,000 population, a risk of dying from cancer equivalent to approximately one death for every 661.1 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 58,305.0 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 283.6 in Lake County to 108.5 in Lassen County, a factor of 2.6 to 1.

The age-adjusted death rate from cancer for California during the 2013 through 2015 three-year period was 143.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 192.6 in Shasta County to 104.3 in Lassen County.

Forty-one counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective C-1 of no more than 161.4 age-adjusted deaths due to cancer per 100,000 population. An additional three counties with unreliable rates met the objective.

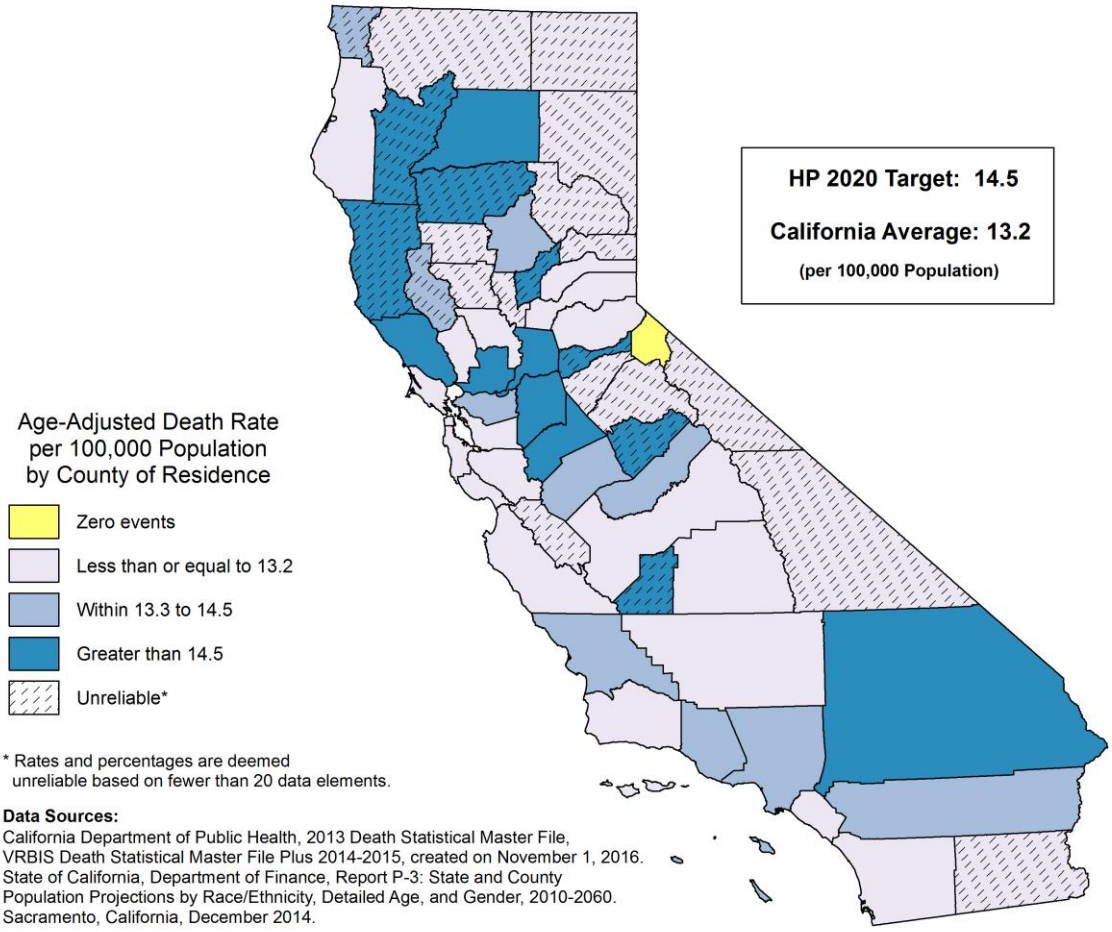
The California age-adjusted death rate from cancer for the 2010-2012 period was 152.2 per 100,000 population.

TABLE 2
DEATHS DUE TO ALL CANCERS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,243	1.3	107.3 *	73.8 *	4.1	339.7
2	MONO	14,440	11.7	80.8 *	82.6 *	42.2	145.3
3	LASSEN	35,038	38.0	108.5	104.3	73.8	143.2
4	IMPERIAL	183,154	201.7	110.1	116.1	99.9	132.2
5	SIERRA	3,267	7.7	234.7 *	120.0 *	50.7	239.8
6	MARIN	257,792	464.3	180.1	120.7	109.4	132.0
7	COLUSA	22,254	29.0	130.3	120.9	81.0	173.6
8	SAN BENITO	58,222	70.0	120.2	124.2	96.8	156.9
9	INYO	19,244	38.7	200.9	124.2	88.2	170.1
10	SAN MATEO	747,334	1,146.3	153.4	124.6	117.3	132.0
11	SANTA CLARA	1,871,516	2,434.3	130.1	124.9	119.9	129.9
12	MARIPOSA	18,091	43.0	237.7	131.9	95.5	177.7
13	MONTEREY	426,670	555.7	130.2	132.1	120.9	143.3
14	SAN FRANCISCO	840,391	1,367.0	162.7	133.1	125.9	140.3
15	SANTA CRUZ	272,210	399.3	146.7	133.2	119.6	146.8
16	ORANGE	3,125,833	4,536.0	145.1	135.0	131.0	139.0
17	ALAMEDA	1,582,119	2,276.3	143.9	135.6	129.9	141.3
18	PLUMAS	19,416	47.0	242.1	136.1	100.0	181.0
19	NEVADA	98,453	231.3	235.0	137.7	119.0	156.4
20	LOS ANGELES	10,082,664	14,161.7	140.5	138.1	135.8	140.4
21	SANTA BARBARA	435,999	694.0	159.2	141.1	130.4	151.8
22	MADERA	154,829	220.7	142.5	141.5	122.7	160.4
23	AMADOR	37,017	93.3	252.1	141.6	114.3	173.4
24	SAN LUIS OBISPO	272,941	524.3	192.1	142.2	129.6	154.8
25	EL DORADO	184,320	361.0	195.9	142.4	127.2	157.5
26	CONTRA COSTA	1,095,476	1,800.7	164.4	143.6	136.9	150.4
27	TULARE	461,703	572.0	123.9	143.6	131.7	155.6
	CALIFORNIA	**38,548,204**	**58,305.0**	**151.3**	**143.8**	**142.7**	**145.0**
28	VENTURA	844,833	1,336.7	158.2	145.2	137.3	153.1
29	CALAVERAS	45,508	121.0	265.9	146.4	119.0	173.7
30	FRESNO	969,338	1,293.0	133.4	146.9	138.8	155.0
31	SAN DIEGO	3,214,279	4,979.7	154.9	148.2	144.0	152.3
32	PLACER	369,460	737.3	199.6	149.0	138.1	159.9
33	YOLO	208,069	286.7	137.8	149.2	131.6	166.8
34	RIVERSIDE	2,294,333	3,593.0	156.6	150.2	145.3	155.2
35	SONOMA	497,260	952.3	191.5	150.6	140.7	160.4
36	SUTTER	97,257	164.0	168.6	151.0	127.7	174.3
37	KINGS	153,601	186.3	121.3	153.3	130.9	175.8
38	KERN	878,356	1,132.0	128.9	153.5	144.4	162.7
39	TRINITY	13,782	36.3	263.6	153.9	108.0	212.7
40	TUOLUMNE	54,592	147.3	269.9	154.5	128.6	180.4
41	DEL NORTE	28,477	54.7	192.0	154.8	116.5	201.7
42	MERCED	266,444	352.3	132.2	155.4	138.9	171.8
43	NAPA	141,172	295.0	209.0	159.0	140.5	177.5
44	MODOC	9,395	24.7	262.6	159.8	103.1	236.6
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: C-1				**161.4**		
45	BUTTE	224,518	473.7	211.0	161.8	146.8	176.8
46	SAN BERNARDINO	2,096,123	2,926.3	139.6	162.2	156.2	168.3
47	TEHAMA	64,827	140.3	216.5	162.5	135.2	189.8
48	HUMBOLDT	136,779	270.3	197.6	162.7	142.7	182.7
49	MENDOCINO	88,795	203.0	228.6	163.6	140.2	187.0
50	SACRAMENTO	1,461,174	2,472.3	169.2	163.8	157.3	170.4
51	SISKIYOU	45,290	124.7	275.3	167.0	135.9	198.2
52	SAN JOAQUIN	713,961	1,134.3	158.9	168.0	158.0	177.9
53	SOLANO	428,705	786.7	183.5	168.1	156.0	180.1
54	STANISLAUS	532,344	893.0	167.7	174.1	162.6	185.7
55	GLENN	28,868	58.7	203.2	174.3	132.6	225.0
56	YUBA	74,258	127.0	171.0	181.8	149.6	213.9
57	LAKE	65,465	185.7	283.6	189.2	160.9	217.4
58	SHASTA	179,305	490.3	273.5	192.6	175.1	210.0

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO COLORECTAL CANCER, 2013-2015



The crude death rate from colorectal cancer for California was 13.9 deaths per 100,000 population, a risk of dying from colorectal cancer equivalent to approximately one death for every 7,181.5 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 5,367.7 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 23.1 in Shasta County to 10.0 in Monterey County, a factor of 2.3 to 1.

The age-adjusted death rate from colorectal cancer for California during the 2013 through 2015 three-year period was 13.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 16.8 in Shasta County to 9.4 in Marin County.

Twenty-seven counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective C-5 of no more than 14.5 age-adjusted deaths due to colorectal cancer per 100,000 population. An additional sixteen counties with unreliable rates and one county with no deaths due to colorectal cancer met the objective.

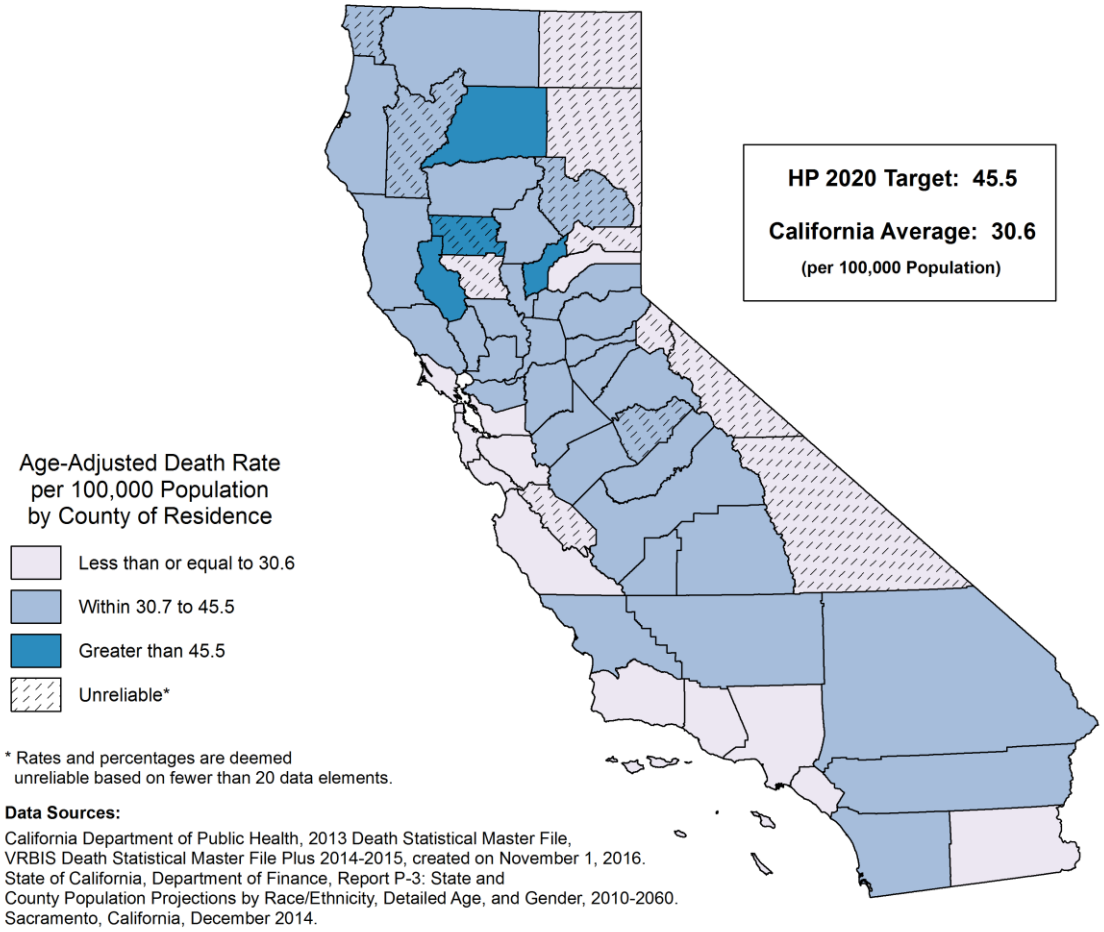
The California age-adjusted death rate from colorectal cancer for the 2010-2012 period was 14.1 per 100,000 population.

TABLE 3
DEATHS DUE TO COLORECTAL CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,243	0.0	-	-	-	-
2	SIERRA	3,267	0.3	10.2 *	5.5 *	0.0	72.4
3	MONO	14,440	0.7	4.6 *	6.3 *	0.0	46.9
4	SUTTER	97,257	8.0	8.2 *	7.1 *	3.1	13.9
5	MODOC	9,395	1.0	10.6 *	8.0 *	0.2	44.6
6	MARIN	257,792	37.0	14.4	9.4	6.6	12.9
7	IMPERIAL	183,154	17.3	9.5 *	9.9 *	5.8	15.7
8	SAN BENITO	58,222	5.7	9.7 *	9.9 *	3.5	22.0
9	TUOLUMNE	54,592	9.0	16.5 *	10.1 *	4.6	19.1
10	MONTEREY	426,670	42.7	10.0	10.3	7.5	14.0
11	SAN MATEO	747,334	98.0	13.1	10.7	8.7	13.0
12	SANTA BARBARA	435,999	54.0	12.4	10.7	8.1	14.0
13	INYO	19,244	3.0	15.6 *	10.8 *	2.2	31.6
14	SANTA CLARA	1,871,516	212.3	11.3	10.8	9.3	12.3
15	SANTA CRUZ	272,210	32.7	12.0	10.8	7.4	15.2
16	PLUMAS	19,416	4.0	20.6 *	10.8 *	3.0	27.8
17	GLENN	28,868	4.0	13.9 *	10.9 *	3.0	27.9
18	SISKIYOU	45,290	8.0	17.7 *	11.0 *	4.8	21.7
19	NAPA	141,172	20.3	14.4	11.0	6.8	17.0
20	PLACER	369,460	56.3	15.2	11.4	8.6	14.8
21	ORANGE	3,125,833	400.0	12.8	11.7	10.6	12.9
22	EL DORADO	184,320	30.0	16.3	12.0	8.1	17.1
23	ALAMEDA	1,582,119	205.0	13.0	12.0	10.4	13.7
24	SAN FRANCISCO	840,391	128.3	15.3	12.2	10.1	14.4
25	YOLO	208,069	23.3	11.2	12.3	7.8	18.3
26	CALAVERAS	45,508	10.0	22.0 *	12.4 *	5.9	22.8
27	COLUSA	22,254	3.0	13.5 *	12.5 *	2.6	36.6
28	KERN	878,356	92.3	10.5	12.7	10.2	15.6
29	NEVADA	98,453	21.3	21.7	12.7	7.9	19.4
30	LASSEN	35,038	4.3	12.4 *	12.8 *	3.7	31.6
31	FRESNO	969,338	114.7	11.8	12.8	10.4	15.2
32	HUMBOLDT	136,779	21.3	15.6	13.1	8.1	19.9
33	SAN DIEGO	3,214,279	444.7	13.8	13.1	11.9	14.3
34	TULARE	461,703	52.3	11.3	13.2	9.8	17.3
	CALIFORNIA	**38,548,204**	**5,367.7**	**13.9**	**13.2**	**12.8**	**13.5**
35	CONTRA COSTA	1,095,476	168.3	15.4	13.3	11.3	15.3
36	SAN LUIS OBISPO	272,941	49.3	18.1	13.3	9.9	17.6
37	MADERA	154,829	20.3	13.1	13.4	8.2	20.6
38	LOS ANGELES	10,082,664	1,410.3	14.0	13.7	12.9	14.4
39	VENTURA	844,833	125.0	14.8	13.7	11.2	16.1
40	DEL NORTE	28,477	4.7	16.4 *	13.9 *	4.3	33.3
41	RIVERSIDE	2,294,333	345.0	15.0	14.4	12.8	15.9
42	LAKE	65,465	14.7	22.4 *	14.4 *	8.0	23.9
43	BUTTE	224,518	43.3	19.3	14.5	10.5	19.5
44	MERCED	266,444	32.7	12.3	14.5	10.0	20.4
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: C-5				**14.5**		
45	TRINITY	13,782	3.7	26.6 *	14.6 *	3.7	38.8
46	MENDOCINO	88,795	16.7	18.8 *	14.6 *	8.5	23.5
47	SONOMA	497,260	93.7	18.8	14.8	11.9	18.1
48	KINGS	153,601	18.7	12.2 *	14.8 *	8.9	23.2
49	SACRAMENTO	1,461,174	224.0	15.3	14.8	12.8	16.8
50	TEHAMA	64,827	12.3	19.0 *	14.9 *	7.8	25.9
51	AMADOR	37,017	10.0	27.0 *	15.1 *	7.2	27.8
52	SOLANO	428,705	70.0	16.3	15.2	11.8	19.2
53	SAN JOAQUIN	713,961	106.0	14.8	15.6	12.6	18.6
54	SAN BERNARDINO	2,096,123	291.0	13.9	16.4	14.4	18.3
55	STANISLAUS	532,344	84.3	15.8	16.4	13.1	20.3
56	MARIPOSA	18,091	5.0	27.6 *	16.5 *	5.4	38.6
57	SHASTA	179,305	41.3	23.1	16.8	12.0	22.7
58	YUBA	74,258	12.3	16.6 *	17.2 *	9.0	29.8

- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO LUNG CANCER, 2013-2015



The crude death rate from lung cancer for California was 31.9 deaths per 100,000 population, a risk of dying from lung cancer equivalent to approximately one death for every 3,130.3 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 12,314.7 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 76.4 in Lake County to 19.3 in Imperial County, a factor of 4.0 to 1.

The age-adjusted death rate from lung cancer for California during the 2013 through 2015 three-year period was 30.6 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 52.0 in Yuba County to 20.8 in Imperial County.

Forty-two counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective C-2 of no more than 45.5 age-adjusted deaths due to lung cancer per 100,000 population. An additional twelve counties with unreliable rates met the objective.

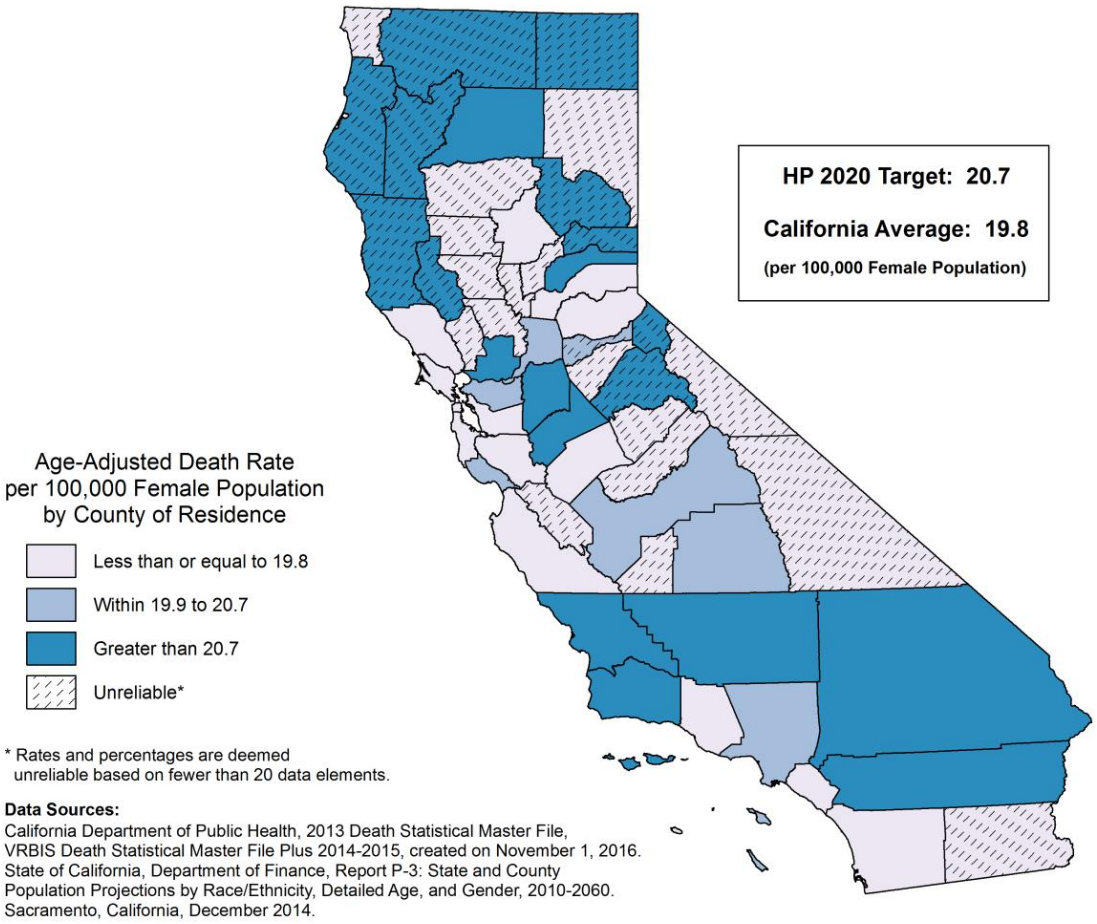
The California age-adjusted death rate from lung cancer for the 2010-2012 period was 34.6 per 100,000 population.

TABLE 4
DEATHS DUE TO LUNG CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,243	0.3	26.8 *	11.8 *	0.0	153.9
2	MONO	14,440	2.0	13.9 *	15.2 *	1.8	55.1
3	IMPERIAL	183,154	35.3	19.3	20.8	14.5	28.8
4	MARIN	257,792	88.3	34.3	22.4	17.9	27.5
5	SIERRA	3,267	1.7	51.0 *	23.1 *	2.0	92.6
6	SAN BENITO	58,222	13.0	22.3 *	24.2 *	12.9	41.3
7	SAN MATEO	747,334	227.0	30.4	24.8	21.5	28.0
8	MONTEREY	426,670	107.3	25.2	25.6	20.6	30.5
9	SANTA CRUZ	272,210	73.3	26.9	25.6	20.1	32.2
10	SANTA BARBARA	435,999	128.7	29.5	26.2	21.6	30.8
11	SANTA CLARA	1,871,516	506.3	27.1	26.4	24.1	28.7
12	LOS ANGELES	10,082,664	2,715.7	26.9	26.8	25.8	27.9
13	COLUSA	22,254	6.7	30.0 *	27.3 *	10.7	57.2
14	LASSEN	35,038	10.3	29.5 *	27.4 *	13.3	50.0
15	VENTURA	844,833	252.7	29.9	27.5	24.0	30.9
16	ORANGE	3,125,833	944.0	30.2	28.4	26.6	30.2
17	INYO	19,244	9.3	48.5 *	28.5 *	13.3	53.5
18	MODOC	9,395	4.3	46.1 *	29.1 *	8.5	71.9
19	NEVADA	98,453	50.0	50.8	29.6	21.9	39.0
20	ALAMEDA	1,582,119	488.3	30.9	29.7	27.0	32.4
21	SAN FRANCISCO	840,391	307.7	36.6	30.3	26.9	33.7
	CALIFORNIA	**38,548,204**	**12,314.7**	**31.9**	**30.6**	**30.1**	**31.2**
22	PLACER	369,460	154.7	41.9	30.8	25.9	35.7
23	SAN DIEGO	3,214,279	1,034.3	32.2	31.2	29.3	33.2
24	CONTRA COSTA	1,095,476	393.3	35.9	31.7	28.5	34.9
25	SAN LUIS OBISPO	272,941	119.3	43.7	31.8	26.0	37.6
26	MARIPOSA	18,091	11.3	62.6 *	32.4 *	16.3	57.4
27	MADERA	154,829	51.7	33.4	32.4	24.2	42.5
28	SONOMA	497,260	202.7	40.8	32.4	27.8	37.0
29	FRESNO	969,338	285.3	29.4	32.8	29.0	36.7
30	TULARE	461,703	130.3	28.2	33.2	27.5	39.0
31	YOLO	208,069	63.3	30.4	33.3	25.6	42.6
32	EL DORADO	184,320	87.7	47.6	33.8	27.1	41.6
33	TUOLUMNE	54,592	33.3	61.1	33.9	23.4	47.6
34	RIVERSIDE	2,294,333	817.7	35.6	34.2	31.8	36.5
35	HUMBOLDT	136,779	59.0	43.1	34.2	26.1	44.2
36	TRINITY	13,782	9.0	65.3 *	34.7 *	15.9	65.8
37	SAN BERNARDINO	2,096,123	617.0	29.4	35.0	32.2	37.8
38	KERN	878,356	258.3	29.4	35.3	30.9	39.7
39	KINGS	153,601	42.0	27.3	35.9	25.9	48.5
40	PLUMAS	19,416	13.3	68.7 *	36.2 *	19.4	61.5
41	SISKIYOU	45,290	28.3	62.6	36.4	24.2	52.5
42	CALAVERAS	45,508	30.7	67.4	36.5	24.7	51.8
43	NAPA	141,172	68.0	48.2	36.7	28.5	46.5
44	SOLANO	428,705	175.0	40.8	36.8	31.2	42.4
45	MERCED	266,444	83.0	31.2	37.0	29.5	45.8
46	AMADOR	37,017	26.0	70.2	37.7	24.6	55.3
47	SACRAMENTO	1,461,174	576.3	39.4	38.5	35.3	41.7
48	MENDOCINO	88,795	48.7	54.8	38.8	28.7	51.4
49	DEL NORTE	28,477	14.0	49.2 *	39.0 *	21.3	65.4
50	SAN JOAQUIN	713,961	264.0	37.0	39.3	34.5	44.1
51	STANISLAUS	532,344	202.3	38.0	39.5	34.0	45.0
52	BUTTE	224,518	121.0	53.9	40.8	33.4	48.2
53	TEHAMA	64,827	38.7	59.6	43.3	30.7	59.2
54	SUTTER	97,257	47.0	48.3	43.9	32.3	58.4
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: C-2				**45.5**		
55	LAKE	65,465	50.0	76.4	49.0	36.3	64.5
56	SHASTA	179,305	130.0	72.5	49.8	41.1	58.5
57	YUBA	74,258	36.0	48.5	52.0	36.4	72.0
58	GLENN	28,868	19.7	68.1 *	57.3 *	34.8	88.8

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO FEMALE BREAST CANCER, 2013-2015



The crude death rate from female breast cancer for California was 22.8 deaths per 100,000 female population, a risk of dying from breast cancer equivalent to approximately one death for every 4,389.9 females. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 4,412.3 and a female population count of 19,369,558 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 44.9 in Nevada County to 16.6 in Merced County, a factor of 2.7 to 1.

The age-adjusted death rate from female breast cancer for California during the 2013 through 2015 three-year period was 19.8 deaths per 100,000 female population. Reliable age-adjusted death rates ranged from 26.6 in Nevada County to 15.9 in Santa Clara County.

Twenty counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective C-3 of no more than 20.7 age-adjusted deaths due to female breast cancer per 100,000 female population. An additional eighteen counties with unreliable rates met the objective.

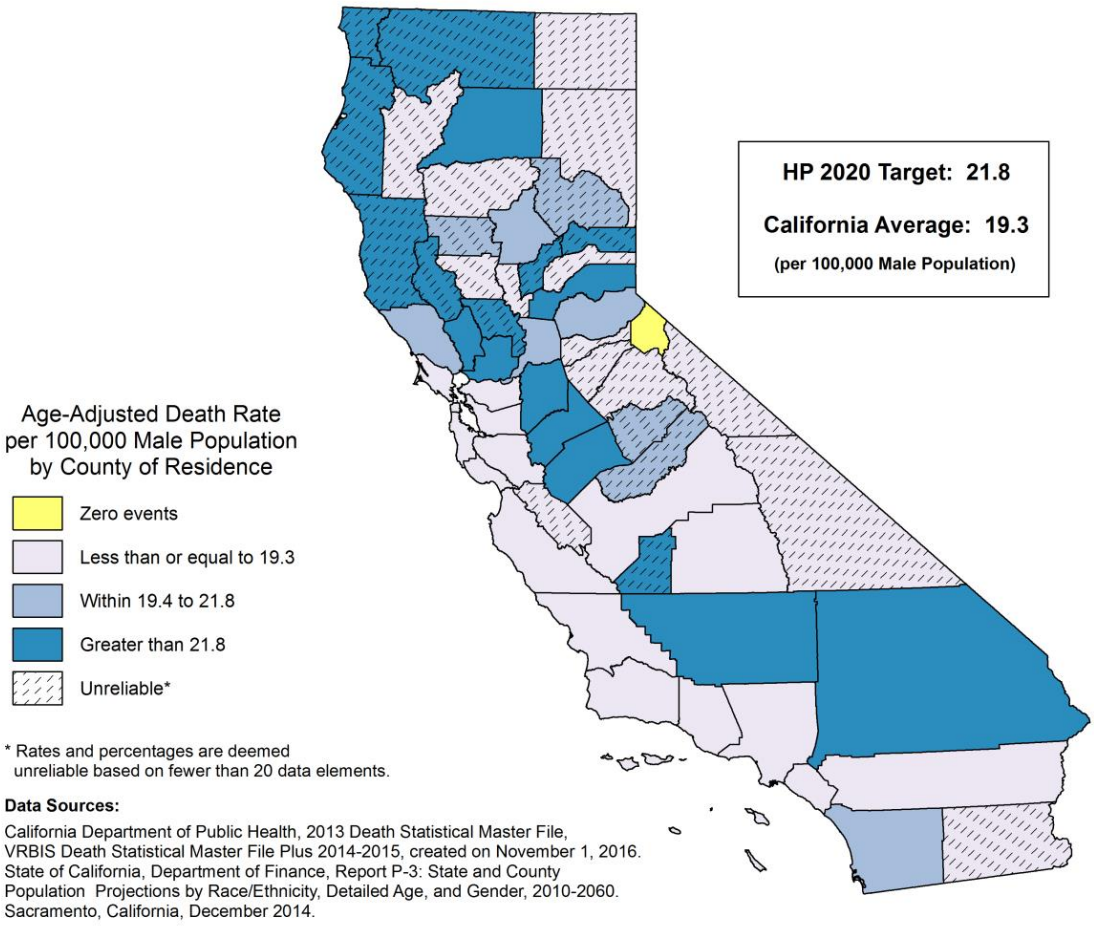
The California age-adjusted death rate from female breast cancer for the 2010-2012 period was 20.8 per 100,000 female population.

TABLE 5
DEATHS DUE TO FEMALE BREAST CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 FEMALE POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	LASSEN	12,601	1.3	10.6 *	7.6 *	0.4	34.9
2	IMPERIAL	89,069	10.7	12.0 *	12.2 *	6.0	21.9
3	SAN BENITO	29,239	4.3	14.8 *	13.7 *	4.0	33.9
4	INYO	9,454	2.7	28.2 *	14.9 *	2.7	46.1
5	CALAVERAS	22,767	7.0	30.7 *	15.1 *	6.1	31.0
6	COLUSA	10,804	2.0	18.5 *	15.3 *	1.9	55.4
7	SANTA CLARA	934,788	171.3	18.3	15.9	13.5	18.3
8	DEL NORTE	12,580	3.3	26.5 *	16.0 *	3.7	44.5
9	MONO	6,855	1.0	14.6 *	16.2 *	0.4	90.3
10	SUTTER	48,956	9.7	19.7 *	16.3 *	7.7	30.2
11	SAN FRANCISCO	414,164	86.7	20.9	16.3	13.1	20.1
12	NAPA	70,265	16.3	23.2 *	17.8 *	10.2	28.7
13	MERCED	132,260	22.0	16.6	17.8	11.1	26.9
14	MONTEREY	207,110	41.0	19.8	17.8	12.8	24.2
15	MARIPOSA	8,944	2.7	29.8 *	18.1 *	3.3	55.9
16	YOLO	106,604	19.7	18.4 *	18.1 *	11.0	28.1
17	MADERA	80,274	15.3	19.1 *	18.1 *	10.2	29.8
18	ALAMEDA	807,400	173.0	21.4	18.2	15.4	20.9
19	PLACER	188,974	48.7	25.8	18.2	13.5	24.1
20	BUTTE	112,945	28.3	25.1	18.3	12.2	26.3
21	SAN MATEO	379,788	91.7	24.1	18.3	14.7	22.4
22	EL DORADO	92,228	23.0	24.9	18.3	11.6	27.5
23	MARIN	131,462	39.0	29.7	18.4	13.1	25.1
24	VENTURA	424,756	96.7	22.8	18.7	15.1	22.8
25	GLENN	14,283	2.7	18.7 *	18.7 *	3.4	58.0
26	KINGS	66,646	11.7	17.5 *	18.7 *	9.6	33.0
27	YUBA	36,917	7.0	19.0 *	18.9 *	7.6	38.9
28	ORANGE	1,579,799	355.3	22.5	18.9	16.9	20.9
29	TEHAMA	32,487	8.7	26.7 *	19.2 *	8.6	36.9
30	SONOMA	252,416	67.3	26.7	19.4	15.0	24.6
31	SAN DIEGO	1,596,063	363.0	22.7	19.7	17.6	21.7
	CALIFORNIA	**19,369,558**	**4,412.3**	**22.8**	**19.8**	**19.2**	**20.4**
32	LOS ANGELES	5,105,963	1,139.3	22.3	19.9	18.7	21.1
33	TULARE	230,353	43.0	18.7	20.0	14.5	27.0
34	CONTRA COSTA	561,334	141.0	25.1	20.2	16.8	23.6
35	AMADOR	16,774	5.7	33.8 *	20.4 *	7.2	45.3
36	SANTA CRUZ	136,133	35.0	25.7	20.4	14.2	28.3
37	SACRAMENTO	744,399	175.3	23.6	20.7	17.6	23.8
38	FRESNO	484,618	97.0	20.0	20.7	16.8	25.3
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: C-3				**20.7**		
39	STANISLAUS	268,578	60.0	22.3	21.2	16.2	27.3
40	SANTA BARBARA	216,892	54.7	25.2	21.5	16.2	28.0
41	RIVERSIDE	1,152,280	275.7	23.9	21.8	19.2	24.4
42	SHASTA	91,018	30.0	33.0	21.8	14.7	31.2
43	TUOLUMNE	25,705	10.7	41.5 *	21.9 *	10.8	39.5
44	HUMBOLDT	67,798	19.3	28.5 *	21.9 *	13.3	34.1
45	SAN LUIS OBISPO	133,116	42.0	31.6	22.9	16.5	31.0
46	SAN BERNARDINO	1,052,961	236.0	22.4	22.9	20.0	25.9
47	SOLANO	214,938	58.3	27.1	22.9	17.4	29.6
48	KERN	423,163	92.3	21.8	23.1	18.7	28.4
49	TRINITY	6,717	3.0	44.7 *	23.3 *	4.8	67.9
50	MENDOCINO	44,201	16.0	36.2 *	23.6 *	13.5	38.3
51	SAN JOAQUIN	358,064	91.0	25.4	24.6	19.8	30.2
52	PLUMAS	9,730	4.7	48.0 *	25.5 *	7.9	61.1
53	SIERRA	1,623	1.0	61.6 *	26.4 *	0.7	147.2
54	NEVADA	49,743	22.3	44.9	26.6	16.7	40.1
55	SISKIYOU	22,683	10.0	44.1 *	27.0 *	13.0	49.7
56	LAKE	32,588	13.7	41.9 *	28.3 *	15.3	47.8
57	MODOC	4,691	2.0	42.6 *	30.4 *	3.7	110.0
58	ALPINE	597	0.3	55.8 *	52.3 *	0.0	683.3

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO PROSTATE CANCER, 2013-2015



The crude death rate from prostate cancer for California was 16.7 deaths per 100,000 male population, a risk of dying from prostate cancer equivalent to approximately one death for every 5,979.7 males. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 3,207.3 and a male population count of 19,178,646 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 31.7 in Shasta County to 12.6 in Fresno County, a factor of 2.5 to 1.

The age-adjusted death rate from prostate cancer for California during the 2013 through 2015 three-year period was 19.3 deaths per 100,000 male population. Reliable age-adjusted death rates ranged from 26.0 in San Bernardino County to 13.1 in San Francisco County.

Twenty-one counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective C-7 of no more than 21.8 age-adjusted deaths due to prostate cancer per 100,000 male population. An additional eighteen counties with unreliable rates and one county with no deaths due to prostate cancer met the objective.

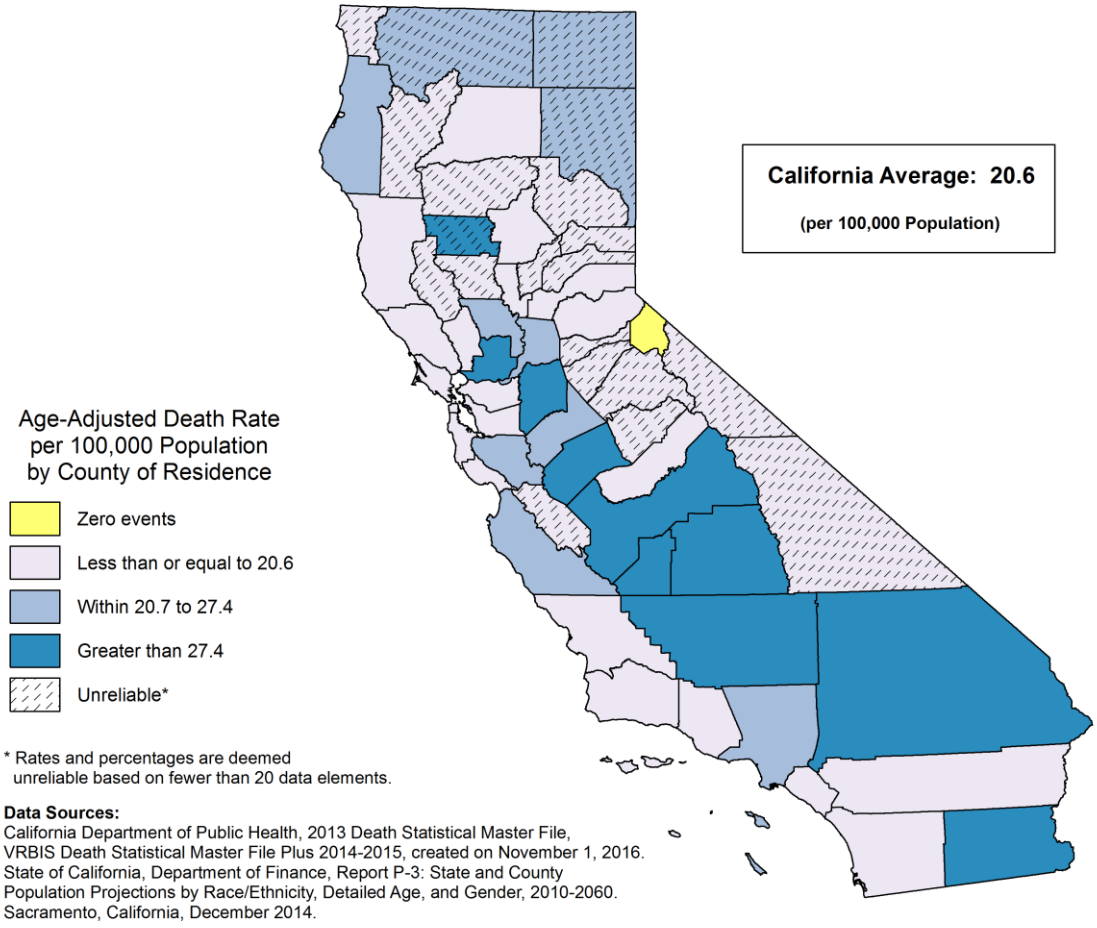
The California age-adjusted death rate from prostate cancer for the 2010-2012 period was 20.2 per 100,000 male population.

TABLE 6
DEATHS DUE TO PROSTATE CANCER
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 MALE POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	646	0.0	-	-	-	-
2	TRINITY	7,065	0.3	4.7 *	2.0 *	0.0	26.6
3	INYO	9,790	1.7	17.0 *	10.5 *	0.9	42.2
4	SUTTER	48,301	5.0	10.4 *	11.2 *	3.6	26.1
5	COLUSA	11,450	1.3	11.6 *	11.5 *	0.6	52.8
6	SAN FRANCISCO	426,227	58.3	13.7	13.1	10.0	16.9
7	AMADOR	20,243	4.3	21.4 *	13.4 *	3.9	33.2
8	SAN MATEO	367,546	58.7	16.0	15.3	11.6	19.8
9	CALAVERAS	22,741	6.0	26.4 *	15.3 *	5.6	33.4
10	NEVADA	48,710	12.0	24.6 *	15.6 *	8.1	27.3
11	SANTA CLARA	936,728	125.3	13.4	15.7	12.9	18.4
12	SAN BENITO	28,983	3.3	11.5 *	15.8 *	3.6	44.0
13	MARIN	126,330	28.0	22.2	16.5	11.0	23.9
14	TUOLUMNE	28,887	7.7	26.5 *	16.6 *	7.0	33.1
15	FRESNO	484,720	61.0	12.6	16.7	12.8	21.5
16	MODOC	4,704	1.3	28.3 *	17.4 *	1.0	80.0
17	MONTEREY	219,560	30.0	13.7	17.6	11.9	25.1
18	ALAMEDA	774,719	119.3	15.4	17.8	14.6	21.1
19	TEHAMA	32,340	7.0	21.6 *	17.9 *	7.2	36.8
20	SAN LUIS OBISPO	139,825	29.3	21.0	17.9	12.0	25.6
21	SANTA BARBARA	219,107	39.3	18.0	18.0	12.8	24.6
22	LASSEN	22,437	2.7	11.9 *	18.1 *	3.3	56.0
23	ORANGE	1,546,034	248.7	16.1	18.2	16.0	20.5
24	SANTA CRUZ	136,077	21.7	15.9	18.3	11.4	27.8
25	VENTURA	420,077	68.7	16.3	18.3	14.2	23.2
26	CONTRA COSTA	534,142	95.3	17.8	18.6	15.0	22.7
27	LOS ANGELES	4,976,701	767.0	15.4	18.7	17.3	20.0
28	IMPERIAL	94,085	14.3	15.2 *	18.7 *	10.3	31.2
29	MONO	7,585	1.0	13.2 *	19.1 *	0.5	106.2
30	RIVERSIDE	1,142,053	198.7	17.4	19.3	16.6	22.0
31	TULARE	231,350	30.0	13.0	19.3	13.0	27.6
	CALIFORNIA	**19,178,646**	**3,207.3**	**16.7**	**19.3**	**18.6**	**20.0**
32	MARIPOSA	9,147	3.0	32.8 *	19.4 *	4.0	56.7
33	MADERA	74,555	13.3	17.9 *	19.6 *	10.5	33.2
34	GLENN	14,585	3.0	20.6 *	19.9 *	4.1	58.0
35	PLUMAS	9,686	3.3	34.4 *	20.1 *	4.6	55.9
36	EL DORADO	92,092	23.7	25.7	20.7	13.2	30.9
37	SACRAMENTO	716,775	125.0	17.4	20.9	17.1	24.6
38	BUTTE	111,573	26.7	23.9	20.9	13.8	30.5
39	SONOMA	244,844	54.3	22.2	21.2	16.0	27.7
40	SAN DIEGO	1,618,216	303.7	18.8	21.8	19.3	24.2
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: C-7				**21.8**		
41	KERN	455,193	64.3	14.1	21.9	16.8	27.9
42	STANISLAUS	263,766	45.3	17.2	21.9	16.0	29.3
43	PLACER	180,486	47.0	26.0	22.0	16.1	29.2
44	LAKE	32,877	10.3	31.4 *	22.9 *	11.2	41.8
45	YOLO	101,465	18.0	17.7 *	23.0 *	13.6	36.4
46	SOLANO	213,767	43.0	20.1	23.3	16.8	31.4
47	KINGS	86,955	11.3	13.0 *	23.7 *	12.0	42.0
48	MERCED	134,184	21.0	15.7	23.7	14.7	36.2
49	SAN JOAQUIN	355,897	62.3	17.5	23.7	18.2	30.4
50	NAPA	70,907	20.3	28.7	24.6	15.1	37.9
51	SHASTA	88,287	28.0	31.7	25.2	16.7	36.4
52	DEL NORTE	15,897	4.0	25.2 *	25.2 *	6.9	64.6
53	HUMBOLDT	68,981	17.0	24.6 *	25.8 *	15.0	41.3
54	MENDOCINO	44,594	13.7	30.6 *	25.9 *	14.1	43.8
55	SAN BERNARDINO	1,043,162	178.7	17.1	26.0	22.0	29.9
56	YUBA	37,341	7.7	20.5 *	28.9 *	12.2	57.7
57	SISKIYOU	22,607	11.0	48.7 *	32.7 *	16.3	58.5
58	SIERRA	1,644	1.0	60.8 *	35.9 *	0.9	200.1

\- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO DIABETES, 2013-2015



The crude death rate from diabetes for California was 21.6 deaths per 100,000 population, a risk of dying from diabetes equivalent to approximately one death for every 4,630.0 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 8,325.7 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 30.2 in Solano County to 11.4 in Marin County, a factor of 2.7 to 1.

The age-adjusted death rate from diabetes for California during the 2013 through 2015 three-year period was 20.6 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 34.2 in Kern County to 7.4 in Marin County.

The Healthy People National Objective D-3 for diabetes mortality is based on both underlying and contributing causes of death. This report does not utilize multiple causes of death data. Therefore, California's progress in meeting this objective will not be addressed in this report.

The California age-adjusted death rate from diabetes for the 2010-2012 period was 20.3 per 100,000 population.

TABLE 7
DEATHS DUE TO DIABETES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

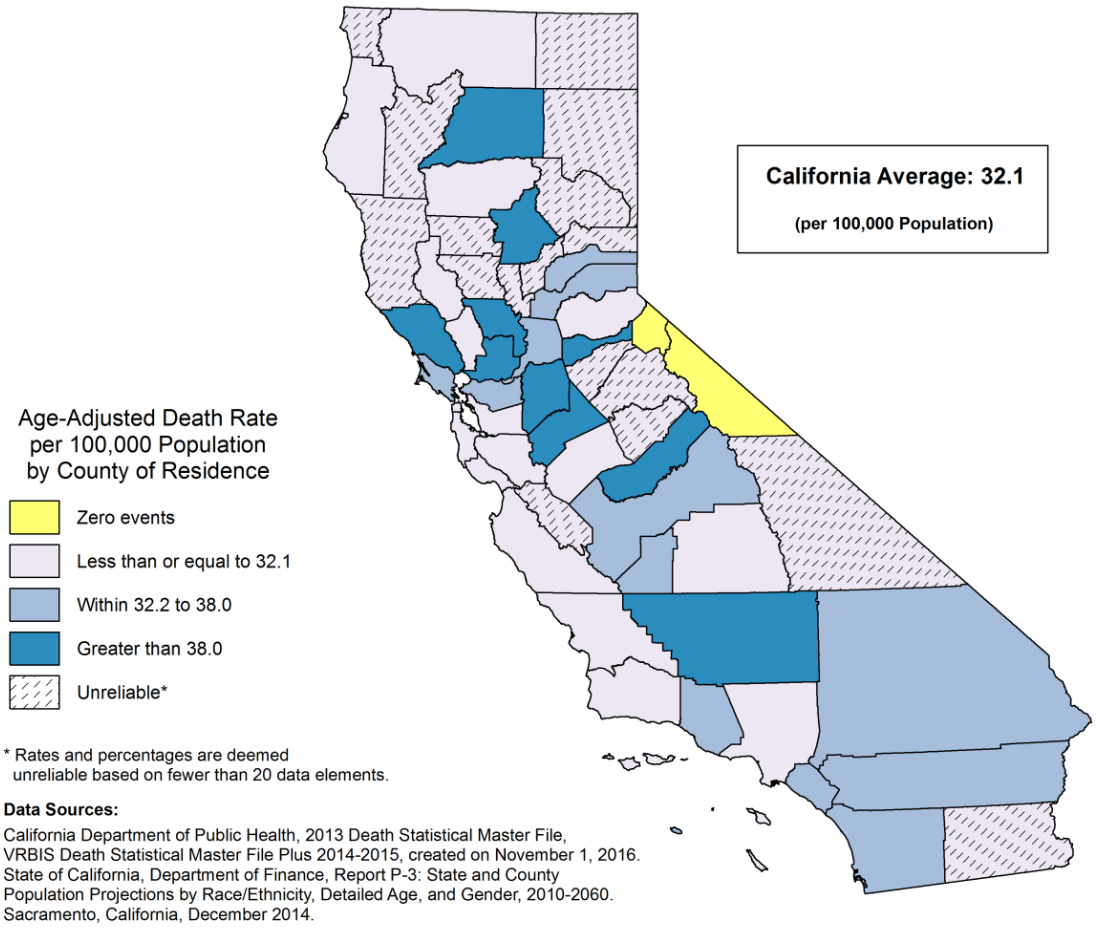
RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: D-3				**NOT APPLICABLE**		
1	ALPINE	1,243	0.0	-	-	-	-
2	AMADOR	37,017	4.7	12.6 *	7.2 *	2.2	17.4
3	MARIN	257,792	29.3	11.4	7.4	5.0	10.6
4	NEVADA	98,453	13.7	13.9 *	8.0 *	4.3	13.5
5	EL DORADO	184,320	21.7	11.8	9.2	5.7	13.9
6	TRINITY	13,782	2.7	19.3 *	9.5 *	1.7	29.4
7	SAN LUIS OBISPO	272,941	45.7	16.7	12.7	9.3	16.9
8	PLUMAS	19,416	4.7	24.0 *	12.9 *	4.0	30.9
9	SAN FRANCISCO	840,391	136.7	16.3	12.9	10.7	15.1
10	SAN MATEO	747,334	119.0	15.9	12.9	10.5	15.3
11	MONO	14,440	1.7	11.5 *	13.4 *	1.2	53.7
12	CALAVERAS	45,508	11.0	24.2 *	13.7 *	6.8	24.5
13	ORANGE	3,125,833	466.0	14.9	13.9	12.6	15.2
14	DEL NORTE	28,477	4.7	16.4 *	13.9 *	4.3	33.4
15	NAPA	141,172	25.7	18.2	14.0	9.1	20.5
16	MARIPOSA	18,091	3.3	18.4 *	14.1 *	3.3	39.3
17	LAKE	65,465	14.0	21.4 *	14.4 *	7.9	24.1
18	INYO	19,244	5.0	26.0 *	14.7 *	4.8	34.3
19	PLACER	369,460	75.3	20.4	15.2	12.0	19.0
20	SANTA CRUZ	272,210	46.0	16.9	15.2	11.1	20.3
21	COLUSA	22,254	3.3	15.0 *	15.5 *	3.6	43.0
22	MENDOCINO	88,795	20.0	22.5	15.7	9.6	24.2
23	SANTA BARBARA	435,999	81.3	18.7	16.1	12.8	20.1
24	BUTTE	224,518	48.3	21.5	16.7	12.3	22.2
25	TUOLUMNE	54,592	16.7	30.5 *	16.9 *	9.8	27.2
26	CONTRA COSTA	1,095,476	219.7	20.1	17.5	15.1	19.8
27	VENTURA	844,833	166.0	19.6	18.0	15.2	20.8
28	SONOMA	497,260	114.0	22.9	18.2	14.7	21.6
29	SAN DIEGO	3,214,279	637.0	19.8	19.0	17.5	20.5
30	SIERRA	3,267	1.3	40.8 *	19.0 *	1.1	87.6
31	RIVERSIDE	2,294,333	456.0	19.9	19.1	17.3	20.8
32	TEHAMA	64,827	15.7	24.2 *	19.5 *	11.1	31.9
33	SUTTER	97,257	20.3	20.9	19.6	12.0	30.1
34	YUBA	74,258	13.7	18.4 *	19.6 *	10.6	33.1
35	MADERA	154,829	29.7	19.2	19.7	13.3	28.2
36	SHASTA	179,305	49.0	27.3	19.9	14.7	26.3
37	SAN BENITO	58,222	11.3	19.5 *	19.9 *	10.1	35.4
38	ALAMEDA	1,582,119	339.0	21.4	20.3	18.1	22.5
	CALIFORNIA	**38,548,204**	**8,325.7**	**21.6**	**20.6**	**20.1**	**21.0**
39	HUMBOLDT	136,779	33.0	24.1	21.0	14.4	29.4
40	LASSEN	35,038	6.7	19.0 *	21.1 *	8.2	44.2
41	SISKIYOU	45,290	15.3	33.9 *	21.5 *	12.1	35.2
42	MONTEREY	426,670	89.0	20.9	21.8	17.5	26.8
43	SANTA CLARA	1,871,516	424.7	22.7	22.0	19.8	24.1
44	LOS ANGELES	10,082,664	2,275.3	22.6	22.2	21.3	23.1
45	YOLO	208,069	43.7	21.0	22.5	16.3	30.3
46	SACRAMENTO	1,461,174	372.7	25.5	24.6	22.0	27.1
47	STANISLAUS	532,344	128.0	24.0	24.9	20.5	29.2
48	MODOC	9,395	3.7	39.0 *	27.3 *	6.9	72.6
49	SAN JOAQUIN	713,961	189.0	26.5	27.5	23.5	31.5
50	GLENN	28,868	9.7	33.5 *	27.6 *	13.0	51.3
51	FRESNO	969,338	243.3	25.1	27.6	24.1	31.2
52	SOLANO	428,705	129.3	30.2	27.8	22.9	32.7
53	MERCED	266,444	63.7	23.9	28.2	21.7	36.1
54	KINGS	153,601	32.0	20.8	28.4	19.5	40.2
55	TULARE	461,703	116.3	25.2	29.6	24.1	35.0
56	IMPERIAL	183,154	51.0	27.8	29.7	22.1	39.1
57	SAN BERNARDINO	2,096,123	583.3	27.8	32.9	30.1	35.6
58	KERN	878,356	243.0	27.7	34.2	29.8	38.6

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

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

Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO ALZHEIMER'S DISEASE, 2013-2015



The crude death rate from Alzheimer's disease for California was 34.1 deaths per 100,000 population, a risk of dying from Alzheimer's disease equivalent to approximately one death for every 2,929.1 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 13,160.3 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 82.8 in Amador County to 8.7 in Santa Clara County, a factor of 9.5 to 1.

The age-adjusted death rate from Alzheimer's disease for California during the 2013 through 2015 three-year period was 32.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 57.3 in San Joaquin County to 8.2 in Santa Clara County. However, CDPH has identified significant changes in reporting practice among certifiers in Santa Clara County that have affected this rate. See technical notes for further detail.

A Healthy People 2020 National Objective for deaths due to Alzheimer's disease has not been established.

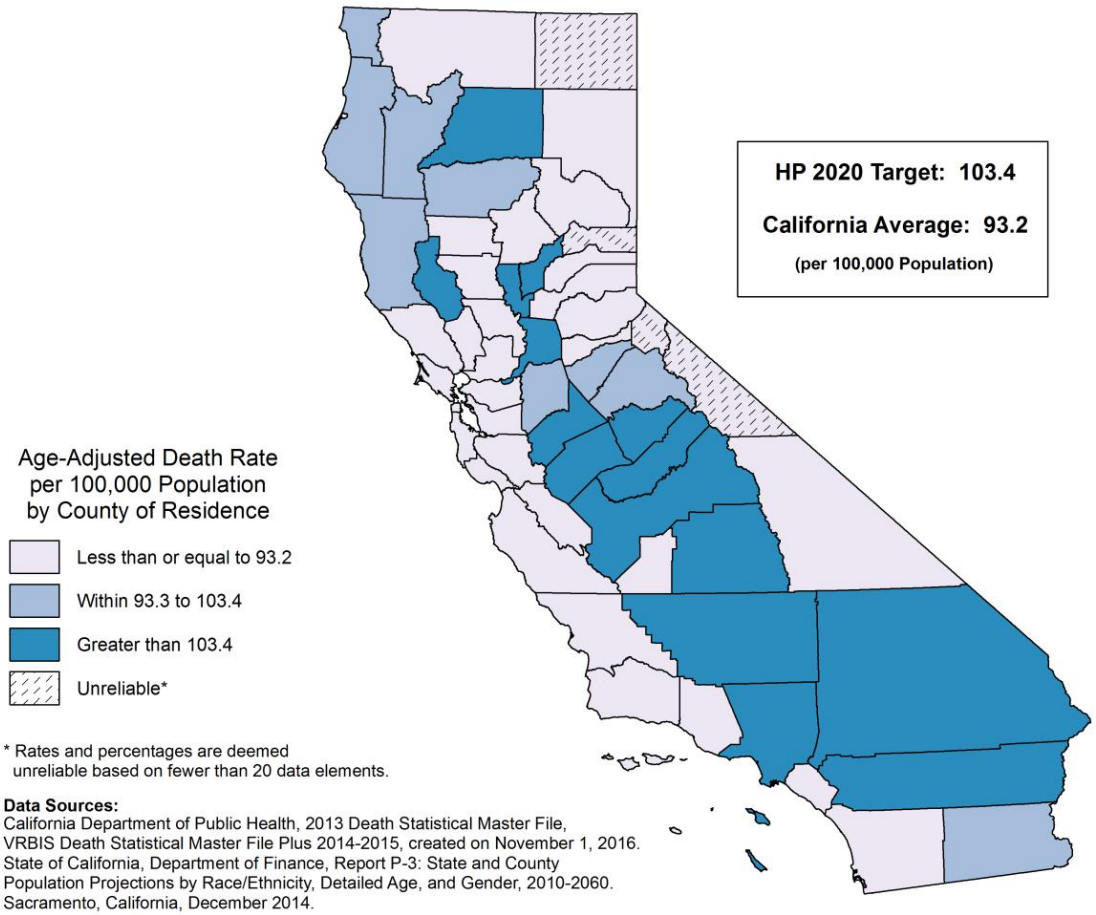
The California age-adjusted death rate from Alzheimer's disease for the 2010-2012 period was 30.1 per 100,000 population.

TABLE 8
DEATHS DUE TO ALZHEIMER'S DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: NOT ESTABLISHED						
1	MONO	14,440	0.0	-	-	-	-
2	ALPINE	1,243	0.0	-	-	-	-
3	INYO	19,244	1.0	5.2 *	3.0 *	0.1	16.7
4	MODOC	9,395	1.0	10.6 *	6.2 *	0.2	34.8
5	IMPERIAL	183,154	13.0	7.1 *	7.6 *	4.0	12.9
6	SANTA CLARA	1,871,516	163.3	8.7 #	8.2 #	6.9	9.5
7	LASSEN	35,038	2.7	7.6 *	8.6 *	1.5	26.6
8	DEL NORTE	28,477	3.0	10.5 *	8.7 *	1.8	25.3
9	SAN BENITO	58,222	5.0	8.6 *	9.2 *	3.0	21.4
10	TUOLUMNE	54,592	10.3	18.9 *	10.4 *	5.1	18.9
11	SIERRA	3,267	0.7	20.4 *	10.8 *	0.1	80.5
12	COLUSA	22,254	3.0	13.5 *	12.5 *	2.6	36.6
13	SUTTER	97,257	14.3	14.7 *	13.5 *	7.4	22.5
14	MENDOCINO	88,795	17.7	19.9 *	14.2 *	8.4	22.5
15	PLUMAS	19,416	5.0	25.8 *	14.4 *	4.7	33.6
16	YUBA	74,258	10.3	13.9 *	16.9 *	8.2	30.8
17	MARIPOSA	18,091	6.3	35.0 *	18.5 *	7.0	39.4
18	CALAVERAS	45,508	16.3	35.9 *	20.9 *	12.0	33.7
19	MONTEREY	426,670	100.3	23.5	22.6	18.1	27.1
20	TULARE	461,703	85.3	18.5	22.9	18.3	28.4
21	TEHAMA	64,827	20.0	30.9	23.8	14.5	36.8
22	HUMBOLDT	136,779	41.3	30.2	25.8	18.5	34.9
23	SAN LUIS OBISPO	272,941	109.3	40.1	26.3	21.3	31.3
24	MERCED	266,444	56.7	21.3	26.9	20.3	34.8
25	EL DORADO	184,320	64.0	34.7	27.0	20.8	34.4
26	SAN FRANCISCO	840,391	336.0	40.0	28.1	25.1	31.2
27	TRINITY	13,782	6.7	48.4 *	28.2 *	11.0	59.2
28	LAKE	65,465	27.3	41.8	28.7	19.0	41.6
29	GLENN	28,868	10.0	34.6 *	28.7 *	13.8	52.8
30	ALAMEDA	1,582,119	491.0	31.0	29.2	26.6	31.8
31	LOS ANGELES	10,082,664	3,086.3	30.6	29.5	28.4	30.5
32	NAPA	141,172	61.7	43.7	29.8	22.8	38.3
33	SAN MATEO	747,334	305.3	40.9	29.9	26.5	33.3
34	SANTA CRUZ	272,210	91.7	33.7	31.7	25.6	38.9
35	SANTA BARBARA	435,999	186.7	42.8	31.9	27.3	36.6
36	SISKIYOU	45,290	25.3	55.9	32.0	20.8	47.1
	CALIFORNIA	**38,548,204**	**13,160.3**	**34.1**	**32.1**	**31.5**	**32.6**
37	SACRAMENTO	1,461,174	488.3	33.4	32.9	29.9	35.8
38	RIVERSIDE	2,294,333	824.0	35.9	34.5	32.1	36.8
39	CONTRA COSTA	1,095,476	445.0	40.6	35.1	31.8	38.4
40	NEVADA	98,453	67.0	68.1	36.1	27.9	45.8
41	SAN BERNARDINO	2,096,123	550.0	26.2	36.1	33.1	39.1
42	ORANGE	3,125,833	1,253.0	40.1	36.2	34.2	38.3
43	PLACER	369,460	192.3	52.1	36.5	31.3	41.7
44	FRESNO	969,338	319.3	32.9	36.6	32.6	40.7
45	VENTURA	844,833	347.0	41.1	37.1	33.2	41.1
46	SAN DIEGO	3,214,279	1,332.3	41.5	37.5	35.5	39.6
47	KINGS	153,601	40.0	26.0	38.0	27.1	51.7
48	MARIN	257,792	160.3	62.2	38.0	32.0	44.0
49	YOLO	208,069	78.7	37.8	39.9	31.6	49.8
50	STANISLAUS	532,344	205.0	38.5	41.6	35.9	47.3
51	AMADOR	37,017	30.7	82.8	41.6	28.2	59.2
52	SOLANO	428,705	180.7	42.1	42.2	36.0	48.4
53	SONOMA	497,260	286.3	57.6	42.6	37.6	47.7
54	BUTTE	224,518	141.3	62.9	43.0	35.8	50.2
55	MADERA	154,829	63.3	40.9	43.6	33.5	55.8
56	SHASTA	179,305	115.7	64.5	44.5	36.3	52.6
57	KERN	878,356	289.3	32.9	46.7	41.3	52.1
58	SAN JOAQUIN	713,961	372.7	52.2	57.3	51.5	63.2

\# Interpret with caution. See Technical Notes.
\- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO CORONARY HEART DISEASE, 2013-2015



The crude death rate from coronary heart disease for California was 99.0 deaths per 100,000 population, a risk of dying from coronary heart disease equivalent to approximately one death for every 1,010.6 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 38,143.7 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 200.8 in Mariposa County to 57.8 in San Benito County, a factor of 3.5 to 1.

The age-adjusted death rate from coronary heart disease for California during the 2013 through 2015 three-year period was 93.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 141.7 in Stanislaus County to 53.9 in Marin County.

Thirty-nine counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective HDS-2 of no more than 103.4 age adjusted deaths due to coronary heart disease per 100,000 population. An additional four counties with unreliable rates met the objective.

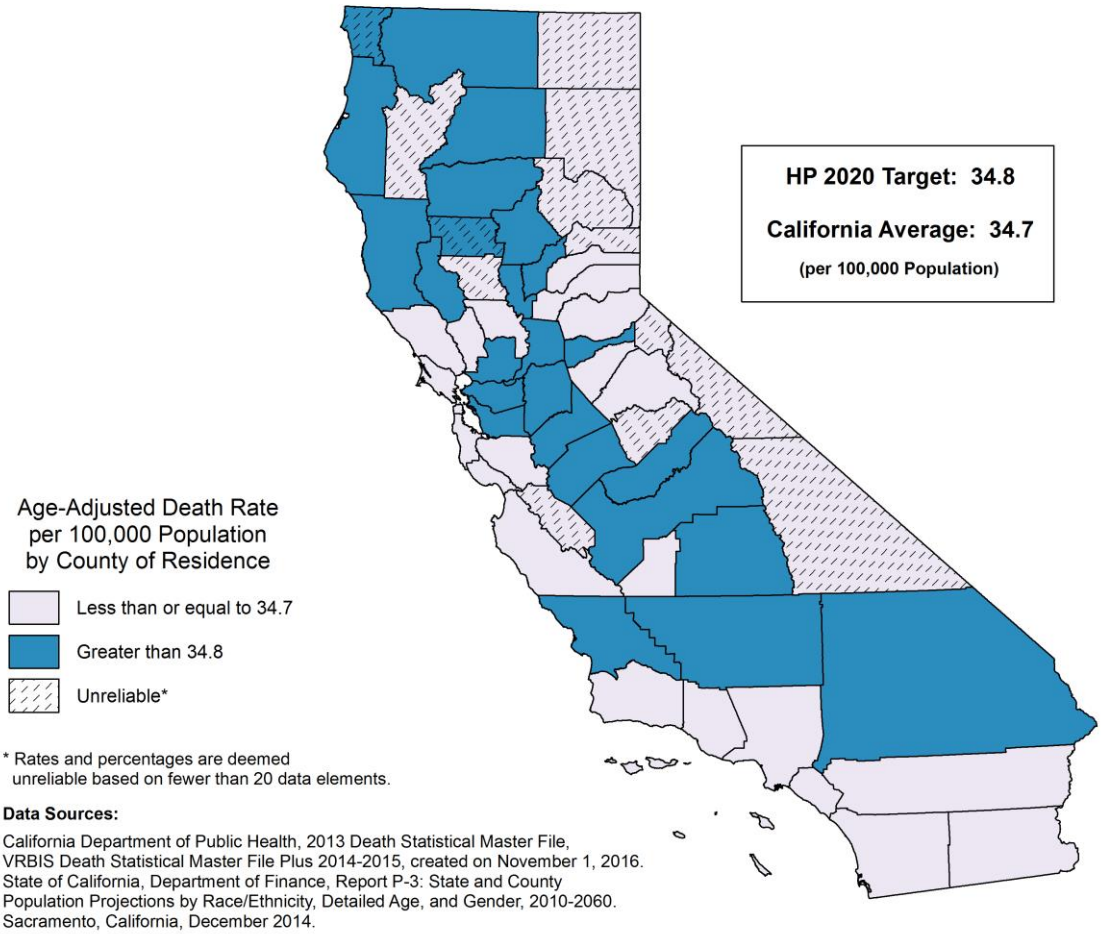
The California age-adjusted death rate from coronary heart disease for the 2010-2012 period was 105.1 per 100,000 population.

TABLE 9
DEATHS DUE TO CORONARY HEART DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,243	0.7	53.6 *	35.3 *	0.2	263.5
2	MONO	14,440	5.7	39.2 *	42.9 *	15.2	95.3
3	MARIN	257,792	221.7	86.0	53.9	46.6	61.2
4	SIERRA	3,267	4.0	122.4 *	55.9 *	15.2	143.1
5	SAN FRANCISCO	840,391	626.3	74.5	56.8	52.3	61.3
6	SAN MATEO	747,334	572.0	76.5	59.6	54.6	64.6
7	SAN BENITO	58,222	33.7	57.8	61.8	42.7	86.5
8	SANTA CLARA	1,871,516	1,219.7	65.2	62.1	58.5	65.6
9	CONTRA COSTA	1,095,476	829.3	75.7	65.1	60.6	69.6
10	MONTEREY	426,670	284.7	66.7	65.2	57.5	73.0
11	SAN LUIS OBISPO	272,941	260.7	95.5	66.1	57.8	74.3
12	ALAMEDA	1,582,119	1,107.3	70.0	66.2	62.2	70.2
13	INYO	19,244	24.3	126.4	68.6	44.1	101.8
14	SOLANO	428,705	312.3	72.9	69.4	61.5	77.2
15	SANTA CRUZ	272,210	208.7	76.7	72.1	62.0	82.2
16	GLENN	28,868	26.0	90.1	74.3	48.5	108.8
17	SONOMA	497,260	509.0	102.4	77.1	70.2	84.0
18	YOLO	208,069	148.7	71.5	77.4	64.8	90.1
19	SANTA BARBARA	435,999	417.0	95.6	77.9	70.2	85.5
20	NAPA	141,172	155.7	110.3	78.8	66.2	91.5
21	PLACER	369,460	409.7	110.9	80.1	72.3	88.0
22	EL DORADO	184,320	202.0	109.6	80.6	69.3	92.0
23	VENTURA	844,833	760.7	90.0	80.9	75.1	86.8
24	PLUMAS	19,416	28.7	147.6	81.4	54.3	117.1
25	NEVADA	98,453	145.0	147.3	81.7	67.8	95.5
26	LASSEN	35,038	28.3	80.9	82.2	54.7	118.5
27	MODOC	9,395	14.0	149.0 *	84.5 *	46.2	141.8
28	SAN DIEGO	3,214,279	2,962.0	92.2	85.9	82.7	89.0
29	KINGS	153,601	100.3	65.3	86.9	69.6	104.1
30	ORANGE	3,125,833	2,980.7	95.4	87.2	84.1	90.4
31	COLUSA	22,254	20.3	91.4	88.8	54.5	136.7
32	BUTTE	224,518	276.3	123.1	89.3	78.5	100.1
33	SISKIYOU	45,290	68.7	151.6	90.9	70.7	115.1
34	AMADOR	37,017	63.0	170.2	92.1	70.8	117.8
	CALIFORNIA	**38,548,204**	**38,143.7**	**99.0**	**93.2**	**92.2**	**94.1**
35	CALAVERAS	45,508	73.7	161.9	94.3	74.0	118.5
36	IMPERIAL	183,154	164.7	89.9	95.5	80.8	110.2
37	MENDOCINO	88,795	119.7	134.8	96.1	78.3	113.8
38	DEL NORTE	28,477	33.7	118.2	97.3	67.2	136.2
39	HUMBOLDT	136,779	165.7	121.1	99.1	83.6	114.6
40	TRINITY	13,782	22.7	164.5	99.5	62.9	149.8
41	TUOLUMNE	54,592	97.3	178.3	100.4	81.4	122.4
42	SAN JOAQUIN	713,961	674.3	94.4	101.0	93.3	108.8
43	TEHAMA	64,827	88.0	135.7	102.1	81.9	125.8
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: HDS-2				**103.4**		
44	SACRAMENTO	1,461,174	1,614.0	110.5	106.0	100.7	111.2
45	MARIPOSA	18,091	36.3	200.8	107.1	75.2	148.1
46	MADERA	154,829	164.0	105.9	108.4	91.7	125.1
47	SAN BERNARDINO	2,096,123	1,811.0	86.4	109.2	104.1	114.3
48	LOS ANGELES	10,082,664	11,414.7	113.2	109.7	107.7	111.7
49	RIVERSIDE	2,294,333	2,638.7	115.0	109.8	105.5	114.0
50	FRESNO	969,338	971.7	100.2	110.1	103.1	117.1
51	MERCED	266,444	261.3	98.1	118.3	103.8	132.7
52	TULARE	461,703	456.3	98.8	118.9	107.9	129.9
53	SUTTER	97,257	130.7	134.4	121.9	100.9	142.9
54	SHASTA	179,305	321.3	179.2	125.9	111.8	139.9
55	LAKE	65,465	120.7	184.3	126.1	102.8	149.5
56	YUBA	74,258	88.3	119.0	133.2	106.9	164.1
57	KERN	878,356	929.0	105.8	133.3	124.6	142.1
58	STANISLAUS	532,344	719.0	135.1	141.7	131.2	152.2

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE), 2013-2015



The crude death rate from cerebrovascular disease for California was 36.5 deaths per 100,000 population, a risk of dying from cerebrovascular disease equivalent to approximately one death for every 2,740.3 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 14,067.3 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 77.5 in Humboldt County to 23.2 in Kings County, a factor of 3.3 to 1.

The age-adjusted death rate from cerebrovascular disease for California during the 2013 through 2015 three-year period was 34.7 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 65.7 in Humboldt County to 23.4 in El Dorado County.

Twenty-two counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective HDS-3 of no more than 34.8 age-adjusted deaths due to cerebrovascular disease per 100,000 population. An additional eleven counties with unreliable rates met the objective.

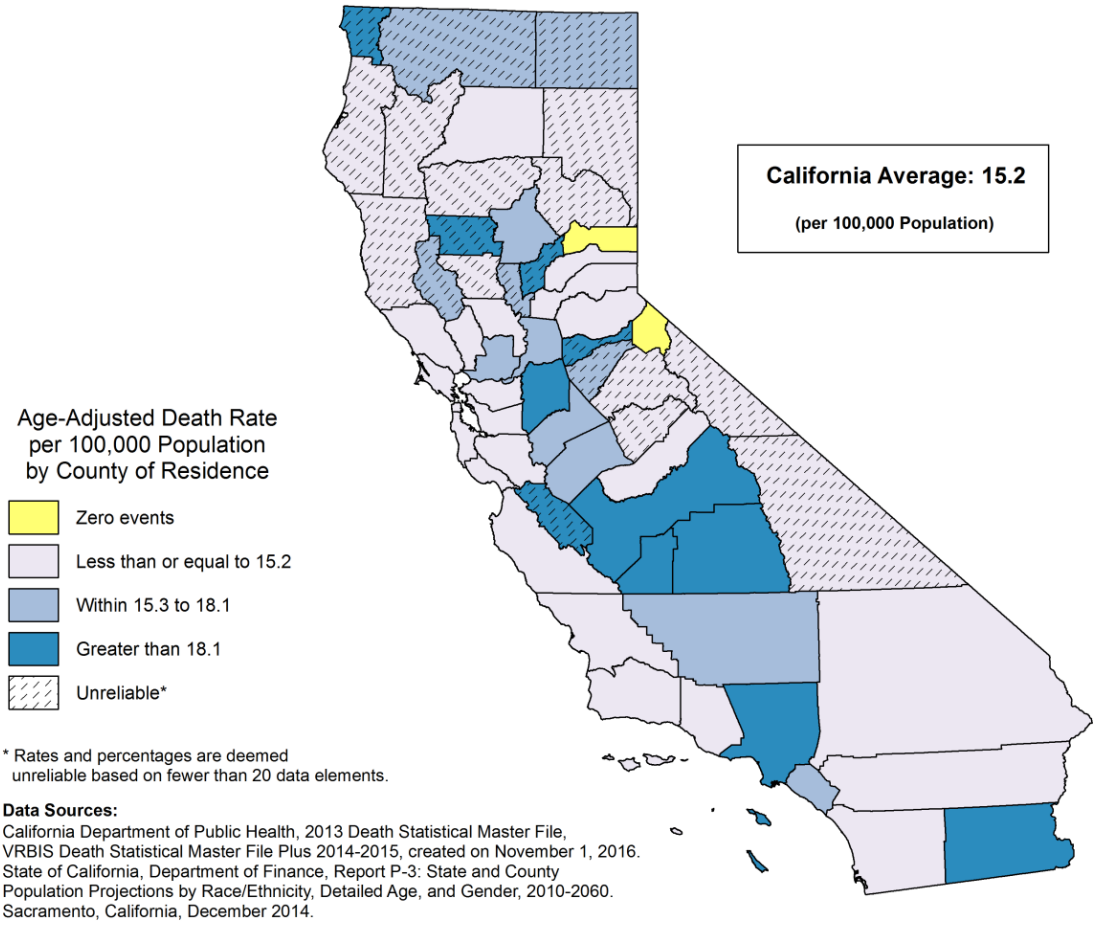
The California age-adjusted death rate from cerebrovascular disease for the 2010-2012 period was 36.2 per 100,000 population.

TABLE 10
DEATHS DUE TO CEREBROVASCULAR DISEASE (STROKE)
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	MONO	14,440	1.0	6.9 *	7.9 *	0.2	44.0
2	SIERRA	3,267	1.0	30.6 *	15.4 *	0.4	85.9
3	MARIPOSA	18,091	6.7	36.9 *	19.7 *	7.7	41.2
4	LASSEN	35,038	6.7	19.0 *	21.4 *	8.4	44.9
5	EL DORADO	184,320	56.0	30.4	23.4	17.7	30.4
6	ALPINE	1,243	0.3	26.8 *	25.1 *	0.0	328.3
7	MODOC	9,395	4.3	46.1 *	25.6 *	7.4	63.3
8	SAN MATEO	747,334	249.0	33.3	25.8	22.5	29.0
9	MARIN	257,792	107.0	41.5	26.0	20.9	31.0
10	SANTA CLARA	1,871,516	507.3	27.1	26.1	23.8	28.3
11	CALAVERAS	45,508	23.3	51.3	27.3	17.3	40.8
12	COLUSA	22,254	6.7	30.0 *	28.8 *	11.3	60.3
13	SANTA CRUZ	272,210	83.0	30.5	29.0	23.1	36.0
14	IMPERIAL	183,154	50.0	27.3	29.1	21.6	38.3
15	SAN FRANCISCO	840,391	321.0	38.2	29.2	26.0	32.5
16	PLUMAS	19,416	9.0	46.4 *	30.2 *	13.8	57.3
17	SAN BENITO	58,222	16.0	27.5 *	30.5 *	17.4	49.5
18	PLACER	369,460	160.0	43.3	30.7	25.9	35.5
19	KINGS	153,601	35.7	23.2	31.1	21.7	43.1
20	NEVADA	98,453	56.3	57.2	31.5	23.8	40.9
21	SANTA BARBARA	435,999	174.0	39.9	32.1	27.2	37.0
22	SAN DIEGO	3,214,279	1,141.3	35.5	33.0	31.0	34.9
23	LOS ANGELES	10,082,664	3,389.0	33.6	33.1	31.9	34.2
24	TUOLUMNE	54,592	34.7	63.5	33.6	23.4	46.8
25	VENTURA	844,833	311.3	36.9	33.6	29.8	37.4
26	RIVERSIDE	2,294,333	807.3	35.2	33.9	31.6	36.3
27	NAPA	141,172	65.7	46.5	34.0	26.3	43.3
28	ORANGE	3,125,833	1,150.7	36.8	34.0	32.0	36.0
29	MONTEREY	426,670	149.3	35.0	34.3	28.7	39.9
30	INYO	19,244	11.3	58.9 *	34.3 *	17.4	60.9
31	TRINITY	13,782	7.3	53.2 *	34.4 *	14.2	69.8
32	SONOMA	497,260	222.0	44.6	34.5	29.8	39.2
33	YOLO	208,069	68.0	32.7	34.6	26.9	43.9
	CALIFORNIA	**38,548,204**	**14,067.3**	**36.5**	**34.7**	**34.2**	**35.3**
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: HDS-3				**34.8**		
34	ALAMEDA	1,582,119	586.7	37.1	35.2	32.3	38.2
35	KERN	878,356	245.7	28.0	35.7	31.2	40.2
36	SISKIYOU	45,290	26.7	58.9	36.0	23.6	52.5
37	AMADOR	37,017	26.3	71.1	37.6	24.6	54.9
38	BUTTE	224,518	121.3	54.0	38.2	31.2	45.2
39	DEL NORTE	28,477	12.7	44.5 *	38.2 *	20.2	65.9
40	SAN BERNARDINO	2,096,123	639.0	30.5	38.6	35.6	41.6
41	MENDOCINO	88,795	46.7	52.6	38.9	28.5	51.8
42	GLENN	28,868	13.3	46.2 *	40.6 *	21.8	68.9
43	SOLANO	428,705	177.3	41.4	40.6	34.5	46.6
44	MADERA	154,829	60.3	39.0	40.6	31.0	52.2
45	SACRAMENTO	1,461,174	608.3	41.6	40.8	37.5	44.1
46	LAKE	65,465	39.0	59.6	41.0	29.2	56.1
47	MERCED	266,444	92.0	34.5	41.5	33.5	50.9
48	SHASTA	179,305	104.7	58.4	41.8	33.6	49.9
49	TULARE	461,703	159.3	34.5	42.0	35.4	48.5
50	SUTTER	97,257	45.3	46.6	42.2	30.8	56.4
51	CONTRA COSTA	1,095,476	534.3	48.8	42.4	38.7	46.0
52	TEHAMA	64,827	35.3	54.5	42.5	29.7	59.1
53	STANISLAUS	532,344	216.7	40.7	43.6	37.7	49.5
54	FRESNO	969,338	397.0	41.0	45.5	41.0	50.1
55	SAN JOAQUIN	713,961	303.0	42.4	45.9	40.6	51.1
56	SAN LUIS OBISPO	272,941	204.7	75.0	50.8	43.7	57.9
57	YUBA	74,258	33.3	44.9	51.9	35.8	72.8
58	HUMBOLDT	136,779	106.0	77.5	65.7	53.0	78.4

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO INFLUENZA/PNEUMONIA, 2013-2015



The crude death rate from influenza/pneumonia for California was 16.1 deaths per 100,000 population, a risk of dying from influenza/pneumonia equivalent to approximately one death for every 6,229.8 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 6,187.7 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 23.3 in Butte County to 10.1 in San Diego County, a factor of 2.3 to 1.

The age-adjusted death rate from influenza/pneumonia for California during the 2013 through 2015 three-year period was 15.2 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 21.6 in Tulare County to 9.4 in San Diego County and Placer County.

A Healthy People 2020 National Objective for deaths due to influenza/pneumonia has not been established.

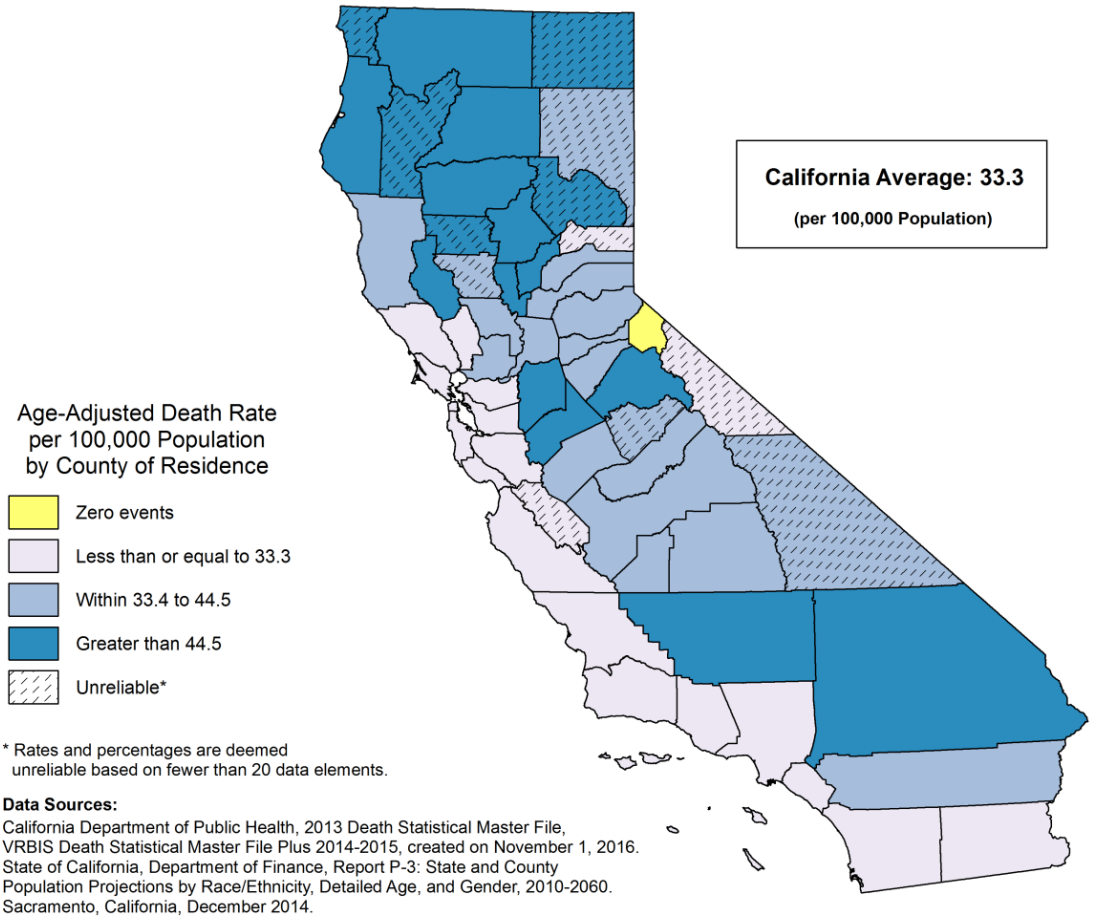
The California age-adjusted death rate from influenza/pneumonia for the 2010-2012 period was 15.9 per 100,000 population.

TABLE 11
DEATHS DUE TO INFLUENZA/PNEUMONIA
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: NOT ESTABLISHED							
1	SIERRA	3,267	0.0	-	-	-	-
2	ALPINE	1,243	0.0	-	-	-	-
3	MONO	14,440	0.7	4.6 *	5.1 *	0.0	38.4
4	INYO	19,244	2.0	10.4 *	5.6 *	0.7	20.3
5	MARIPOSA	18,091	2.0	11.1 *	5.9 *	0.7	21.1
6	COLUSA	22,254	1.3	6.0 *	5.9 *	0.3	27.3
7	HUMBOLDT	136,779	13.0	9.5 *	7.9 *	4.2	13.6
8	SAN DIEGO	3,214,279	325.7	10.1	9.4	8.3	10.4
9	PLACER	369,460	49.3	13.4	9.4	7.0	12.4
10	SAN LUIS OBISPO	272,941	39.3	14.4	9.7	6.9	13.3
11	SONOMA	497,260	64.3	12.9	9.8	7.5	12.5
12	VENTURA	844,833	91.3	10.8	9.9	7.9	12.1
13	CONTRA COSTA	1,095,476	129.7	11.8	10.3	8.5	12.1
14	MARIN	257,792	43.7	16.9	10.3	7.5	13.8
15	TRINITY	13,782	2.3	16.9 *	10.3 *	1.6	34.3
16	SANTA BARBARA	435,999	58.0	13.3	10.5	8.0	13.6
17	SANTA CLARA	1,871,516	219.3	11.7	11.2	9.7	12.7
18	SAN FRANCISCO	840,391	130.7	15.5	11.6	9.5	13.6
19	RIVERSIDE	2,294,333	277.0	12.1	11.7	10.3	13.1
20	PLUMAS	19,416	4.0	20.6 *	12.0 *	3.3	30.6
21	SANTA CRUZ	272,210	37.0	13.6	12.4	8.7	17.1
22	MONTEREY	426,670	54.7	12.8	12.6	9.5	16.5
23	YOLO	208,069	25.7	12.3	12.8	8.3	18.7
24	SAN MATEO	747,334	128.0	17.1	12.9	10.6	15.2
25	EL DORADO	184,320	31.7	17.2	13.1	8.9	18.5
26	LASSEN	35,038	4.0	11.4 *	13.2 *	3.6	33.8
27	NAPA	141,172	27.3	19.4	13.2	8.7	19.2
28	ALAMEDA	1,582,119	223.3	14.1	13.2	11.5	15.0
29	NEVADA	98,453	22.3	22.7	13.2	8.3	20.0
30	MENDOCINO	88,795	18.0	20.3 *	14.1 *	8.4	22.3
31	SAN BERNARDINO	2,096,123	239.0	11.4	14.2	12.3	16.0
32	SHASTA	179,305	35.0	19.5	14.2	9.9	19.7
33	TEHAMA	64,827	11.7	18.0 *	14.3 *	7.3	25.1
34	TUOLUMNE	54,592	13.3	24.4 *	14.3 *	7.7	24.3
35	MADERA	154,829	23.3	15.1	15.1	9.6	22.6
	CALIFORNIA	**38,548,204**	**6,187.7**	**16.1**	**15.2**	**14.8**	**15.6**
36	KERN	878,356	108.7	12.4	15.3	12.4	18.2
37	SACRAMENTO	1,461,174	232.0	15.9	15.4	13.4	17.4
38	ORANGE	3,125,833	532.7	17.0	15.8	14.4	17.2
39	CALAVERAS	45,508	12.3	27.1 *	15.9 *	8.3	27.5
40	SISKIYOU	45,290	10.7	23.6 *	16.2 *	8.0	29.3
41	MERCED	266,444	36.3	13.6	16.6	11.6	22.9
42	BUTTE	224,518	52.3	23.3	16.6	12.4	21.7
43	SUTTER	97,257	17.7	18.2 *	16.7 *	9.8	26.5
44	LAKE	65,465	15.7	23.9 *	17.1 *	9.7	27.9
45	MODOC	9,395	2.7	28.4 *	17.3 *	3.1	53.5
46	STANISLAUS	532,344	91.0	17.1	18.0	14.5	22.1
47	SOLANO	428,705	80.0	18.7	18.1	14.4	22.5
48	YUBA	74,258	12.3	16.6 *	18.3 *	9.6	31.8
49	SAN JOAQUIN	713,961	123.0	17.2	18.4	15.1	21.7
50	KINGS	153,601	23.0	15.0	19.3	12.2	28.9
51	FRESNO	969,338	180.3	18.6	20.6	17.5	23.6
52	GLENN	28,868	7.0	24.2 *	20.7 *	8.3	42.7
53	LOS ANGELES	10,082,664	2,146.3	21.3	20.9	20.0	21.8
54	SAN BENITO	58,222	11.7	20.0 *	20.9 *	10.7	36.8
55	IMPERIAL	183,154	36.3	19.8	21.0	14.7	29.0
56	TULARE	461,703	83.7	18.1	21.6	17.2	26.8
57	DEL NORTE	28,477	7.3	25.8 *	23.4 *	9.7	47.5
58	AMADOR	37,017	16.7	45.0 *	23.5 *	13.6	37.9

- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO CHRONIC LOWER RESPIRATORY DISEASE, 2013-2015



The crude death rate from chronic lower respiratory disease for California was 34.4 deaths per 100,000 population, a risk of dying from chronic lower respiratory disease equivalent to approximately one death for every 2,905.5 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 13,267.3 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 109.7 in Shasta County to 20.0 in Imperial County, a factor of 5.5 to 1.

The age-adjusted death rate from chronic lower respiratory disease for California during the 2013 through 2015 three-year period was 33.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 77.4 in Yuba County to 18.9 in San Francisco County.

A Healthy People 2020 National Objective for deaths due to chronic lower respiratory disease has not been established.

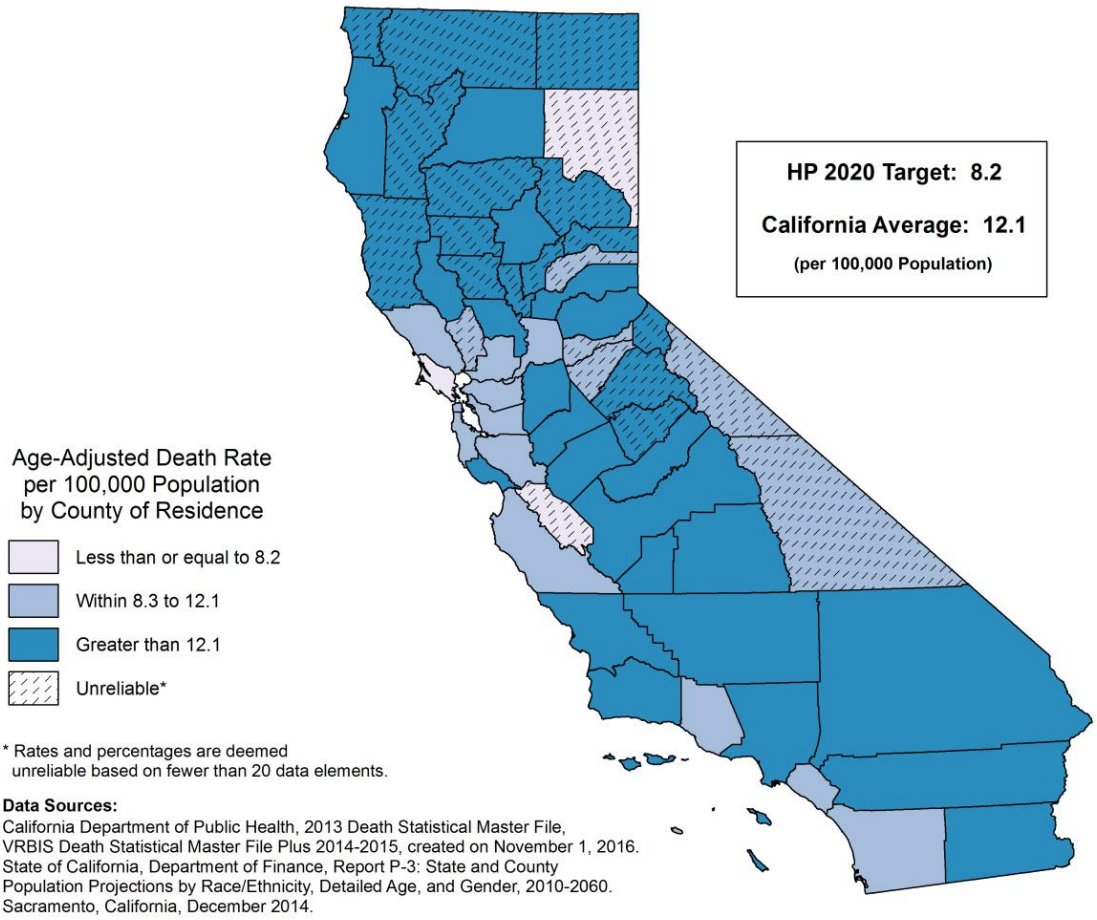
The California age-adjusted death rate from chronic lower respiratory disease for the 2010-2012 period was 35.8 per 100,000 population.

TABLE 12
DEATHS DUE TO CHRONIC LOWER RESPIRATORY DISEASE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: NOT ESTABLISHED							
1	ALPINE	1,243	0.0	-	-	-	-
2	MONO	14,440	2.3	16.2 *	18.1 *	2.7	60.1
3	SAN FRANCISCO	840,391	201.3	24.0	18.9	16.2	21.5
4	MARIN	257,792	76.3	29.6	19.0	15.0	23.8
5	SANTA CLARA	1,871,516	401.7	21.5	21.1	19.0	23.2
6	SAN MATEO	747,334	200.3	26.8	21.2	18.2	24.2
7	IMPERIAL	183,154	36.7	20.0	21.6	15.2	29.8
8	SANTA CRUZ	272,210	71.3	26.2	25.0	19.6	31.6
9	MONTEREY	426,670	111.7	26.2	26.6	21.5	31.6
10	ALAMEDA	1,582,119	440.3	27.8	26.7	24.2	29.3
11	NAPA	141,172	52.3	37.1	27.4	20.5	35.9
12	SIERRA	3,267	1.7	51.0 *	27.5 *	2.4	110.5
13	SANTA BARBARA	435,999	143.7	33.0	27.8	23.1	32.4
14	ORANGE	3,125,833	936.0	29.9	28.2	26.4	30.0
15	LOS ANGELES	10,082,664	2,913.7	28.9	28.8	27.8	29.9
16	VENTURA	844,833	271.7	32.2	30.2	26.5	33.8
17	SAN DIEGO	3,214,279	1,025.7	31.9	30.8	28.8	32.7
18	CONTRA COSTA	1,095,476	384.0	35.1	31.1	28.0	34.3
19	SAN LUIS OBISPO	272,941	124.7	45.7	32.8	26.9	38.7
20	SAN BENITO	58,222	18.0	30.9 *	33.0 *	19.5	52.1
21	SONOMA	497,260	210.0	42.2	33.1	28.5	37.7
	CALIFORNIA	**38,548,204**	**13,267.3**	**34.4**	**33.3**	**32.7**	**33.8**
22	PLACER	369,460	172.3	46.6	33.7	28.7	38.8
23	LASSEN	35,038	11.7	33.3 *	34.2 *	17.5	60.2
24	FRESNO	969,338	295.0	30.4	34.5	30.5	38.5
25	CALAVERAS	45,508	28.7	63.0	35.2	23.5	50.6
26	EL DORADO	184,320	87.7	47.6	35.6	28.5	43.9
27	KINGS	153,601	42.0	27.3	37.2	26.8	50.3
28	AMADOR	37,017	27.0	72.9	38.2	25.2	55.6
29	INYO	19,244	12.3	64.1 *	38.5 *	20.1	66.7
30	SOLANO	428,705	172.0	40.1	39.1	33.1	45.0
31	MARIPOSA	18,091	13.7	75.5 *	39.1 *	21.2	66.0
32	MADERA	154,829	60.0	38.8	39.7	30.3	51.1
33	MENDOCINO	88,795	50.7	57.1	40.2	29.9	53.0
34	COLUSA	22,254	9.3	41.9 *	41.2 *	19.1	77.3
35	SACRAMENTO	1,461,174	611.7	41.9	41.4	38.1	44.8
36	TULARE	461,703	159.3	34.5	41.7	35.2	48.3
37	NEVADA	98,453	73.3	74.5	42.0	32.9	52.7
38	MERCED	266,444	92.0	34.5	42.2	34.0	51.8
39	RIVERSIDE	2,294,333	1,022.7	44.6	43.0	40.4	45.7
40	YOLO	208,069	82.3	39.6	44.5	35.4	55.2
41	TUOLUMNE	54,592	44.7	81.8	46.5	33.9	62.3
42	PLUMAS	19,416	16.7	85.8 *	46.9 *	27.1	75.4
43	BUTTE	224,518	143.3	63.8	47.1	39.2	55.0
44	SAN JOAQUIN	713,961	306.0	42.9	47.1	41.8	52.5
45	HUMBOLDT	136,779	80.0	58.5	48.3	38.3	60.2
46	STANISLAUS	532,344	244.3	45.9	48.4	42.2	54.5
47	SUTTER	97,257	51.3	52.8	48.5	36.2	63.7
48	GLENN	28,868	17.0	58.9 *	48.6 *	28.3	77.8
49	SAN BERNARDINO	2,096,123	887.7	42.3	53.4	49.8	56.9
50	TRINITY	13,782	13.3	96.7 *	54.0 *	29.0	91.7
51	KERN	878,356	379.0	43.1	55.3	49.6	60.9
52	MODOC	9,395	9.3	99.3 *	56.0 *	26.1	105.2
53	TEHAMA	64,827	49.7	76.6	57.3	42.5	75.6
54	SISKIYOU	45,290	43.7	96.4	58.4	42.4	78.5
55	DEL NORTE	28,477	19.7	69.1 *	58.5 *	35.5	90.6
56	LAKE	65,465	66.0	100.8	65.2	50.4	82.9
57	SHASTA	179,305	196.7	109.7	75.9	65.2	86.6
58	YUBA	74,258	52.0	70.0	77.4	57.8	101.6

- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS, 2013-2015



The crude death rate from chronic liver disease and cirrhosis for California was 13.1 deaths per 100,000 population, a risk of dying from chronic liver disease and cirrhosis equivalent to approximately one death for every 7,640.9 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 5,045.0 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 37.2 in Lake County to 8.3 in Marin County, a factor of 4.5 to 1.

The age-adjusted death rate from chronic liver disease and cirrhosis for California during the 2013 through 2015 three-year period was 12.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 25.9 in Lake County to 5.5 in Marin County.

One county with a reliable age-adjusted death rate met the Healthy People 2020 National Objective SA-11 of no more than 8.2 age-adjusted deaths due to chronic liver disease and cirrhosis per 100,000 population. Two counties with unreliable rates also met the objective. The California age-adjusted death rate due to chronic liver disease and cirrhosis did not meet the national objective.

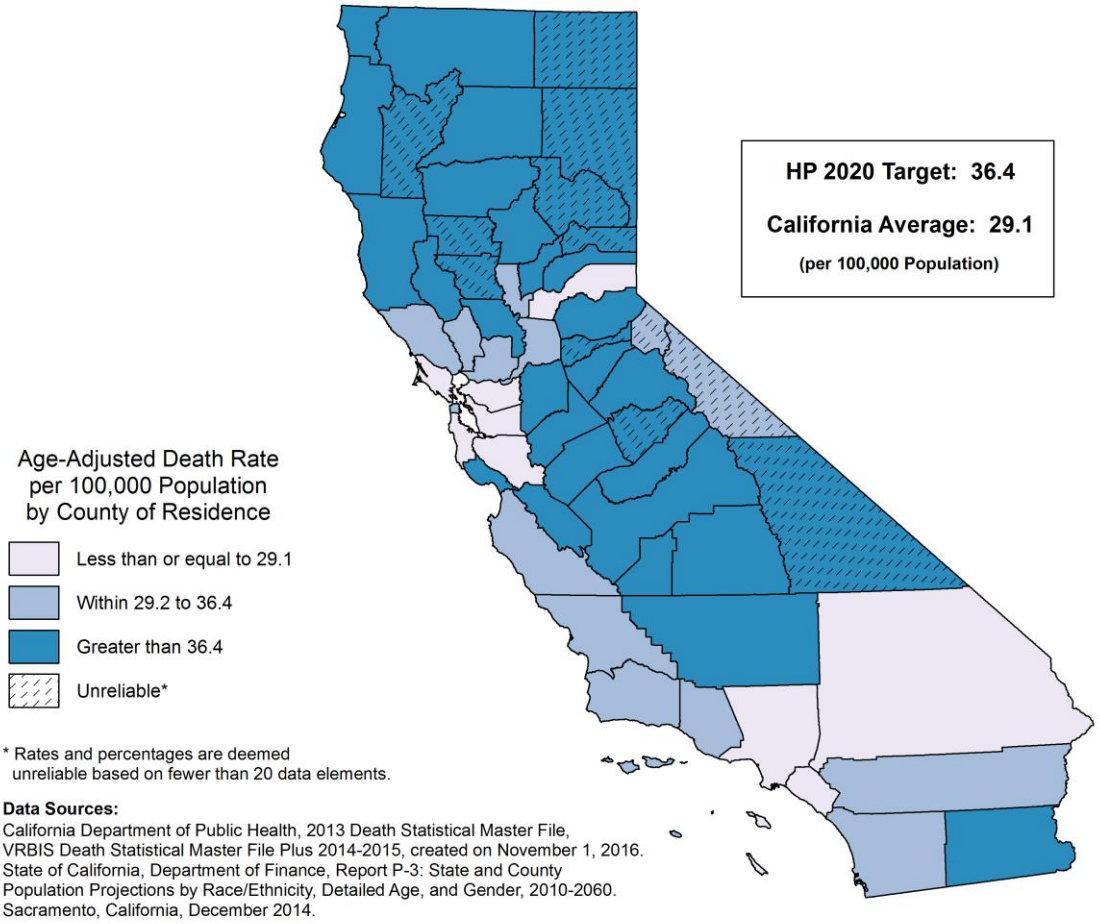
The California age-adjusted death rate from chronic liver disease and cirrhosis for the 2010-2012 period was 11.5 per 100,000 population.

TABLE 13
DEATHS DUE TO CHRONIC LIVER DISEASE AND CIRRHOSIS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	LASSEN	35,038	2.0	5.7 *	5.0 *	0.6	17.9
2	MARIN	257,792	21.3	8.3	5.5	3.4	8.4
3	SAN BENITO	58,222	3.7	6.3 *	5.8 *	1.5	15.4
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: SA-11				**8.2**		
4	SAN FRANCISCO	840,391	84.3	10.0	8.4	6.7	10.4
5	SANTA CLARA	1,871,516	174.7	9.3	8.5	7.2	9.7
6	SAN MATEO	747,334	76.7	10.3	8.5	6.7	10.7
7	CONTRA COSTA	1,095,476	113.3	10.3	8.8	7.2	10.5
8	ALAMEDA	1,582,119	160.7	10.2	9.1	7.7	10.5
9	INYO	19,244	3.0	15.6 *	9.2 *	1.9	26.9
10	NAPA	141,172	17.7	12.5 *	9.3 *	5.5	14.8
11	MONO	14,440	1.7	11.5 *	9.7 *	0.9	38.8
12	SOLANO	428,705	47.3	11.0	9.8	7.2	13.1
13	SAN DIEGO	3,214,279	342.0	10.6	10.0	8.9	11.1
14	VENTURA	844,833	98.0	11.6	10.1	8.2	12.4
15	ORANGE	3,125,833	356.0	11.4	10.3	9.2	11.3
16	CALAVERAS	45,508	6.7	14.6 *	10.3 *	4.0	21.5
17	NEVADA	98,453	14.0	14.2 *	10.4 *	5.7	17.5
18	MONTEREY	426,670	46.7	10.9	10.8	7.9	14.4
19	AMADOR	37,017	5.7	15.3 *	11.1 *	3.9	24.7
20	SONOMA	497,260	70.3	14.1	11.4	8.9	14.4
21	SACRAMENTO	1,461,174	186.3	12.8	11.8	10.0	13.5
	CALIFORNIA	**38,548,204**	**5,045.0**	**13.1**	**12.1**	**11.7**	**12.4**
22	PLACER	369,460	57.7	15.6	12.2	9.3	15.8
23	MODOC	9,395	1.3	14.2 *	12.3 *	0.7	56.7
24	SANTA BARBARA	435,999	55.7	12.8	12.4	9.3	16.1
25	DEL NORTE	28,477	4.7	16.4 *	12.9 *	4.0	30.8
26	LOS ANGELES	10,082,664	1,390.3	13.8	13.0	12.4	13.7
27	EL DORADO	184,320	33.0	17.9	13.1	9.0	18.4
28	SANTA CRUZ	272,210	41.0	15.1	13.1	9.4	17.8
29	COLUSA	22,254	3.0	13.5 *	13.2 *	2.7	38.6
30	RIVERSIDE	2,294,333	320.0	13.9	13.2	11.8	14.7
31	SIERRA	3,267	1.0	30.6 *	13.9 *	0.4	77.7
32	MENDOCINO	88,795	16.7	18.8 *	14.2 *	8.2	22.8
33	KERN	878,356	120.7	13.7	14.5	11.9	17.1
34	SAN LUIS OBISPO	272,941	48.3	17.7	14.7	10.8	19.4
35	IMPERIAL	183,154	26.0	14.2	14.7	9.6	21.6
36	MARIPOSA	18,091	3.7	20.3 *	14.9 *	3.7	39.6
37	STANISLAUS	532,344	80.7	15.2	15.1	11.9	18.7
38	SAN BERNARDINO	2,096,123	307.7	14.7	15.2	13.5	17.0
39	YOLO	208,069	30.7	14.7	15.3	10.3	21.7
40	GLENN	28,868	5.0	17.3 *	15.8 *	5.1	36.8
41	FRESNO	969,338	146.0	15.1	15.9	13.3	18.5
42	KINGS	153,601	22.7	14.8	16.4	10.3	24.6
43	BUTTE	224,518	44.3	19.7	16.4	11.9	22.0
44	TUOLUMNE	54,592	13.0	23.8 *	16.5 *	8.8	28.3
45	SAN JOAQUIN	713,961	120.0	16.8	16.7	13.6	19.7
46	TEHAMA	64,827	13.3	20.6 *	16.7 *	9.0	28.4
47	SUTTER	97,257	18.0	18.5 *	16.8 *	10.0	26.6
48	MERCED	266,444	41.7	15.6	16.9	12.2	22.9
49	TULARE	461,703	73.0	15.8	17.3	13.6	21.8
50	YUBA	74,258	13.0	17.5 *	18.4 *	9.8	31.4
51	SHASTA	179,305	45.3	25.3	19.0	13.9	25.4
52	MADERA	154,829	30.3	19.6	19.5	13.2	27.8
53	SISKIYOU	45,290	11.7	25.8 *	21.0 *	10.7	37.0
54	PLUMAS	19,416	5.3	27.5 *	21.9 *	7.4	49.9
55	HUMBOLDT	136,779	38.3	28.0	24.0	17.0	33.0
56	LAKE	65,465	24.3	37.2	25.9	16.6	38.4
57	TRINITY	13,782	5.0	36.3 *	27.4 *	8.9	63.9
58	ALPINE	1,243	0.7	53.6 *	63.9 *	0.3	477.4

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES), 2013-2015



The crude death rate from accidents for California was 30.3 deaths per 100,000 population, a risk of dying from an accident equivalent to approximately one death for every 3,299.4 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 11,683.3 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 99.3 in Lake County to 21.8 in Los Angeles County, a factor of 4.6 to 1.

The age-adjusted death rate from accidents for California during the 2013 through 2015 three-year period was 29.1 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 91.0 in Lake County to 20.8 in San Mateo County.

Twenty-one counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective IVP-11 of no more than 36.4 age-adjusted deaths due to accidents per 100,000 population. An additional two counties with unreliable rates met the objective.

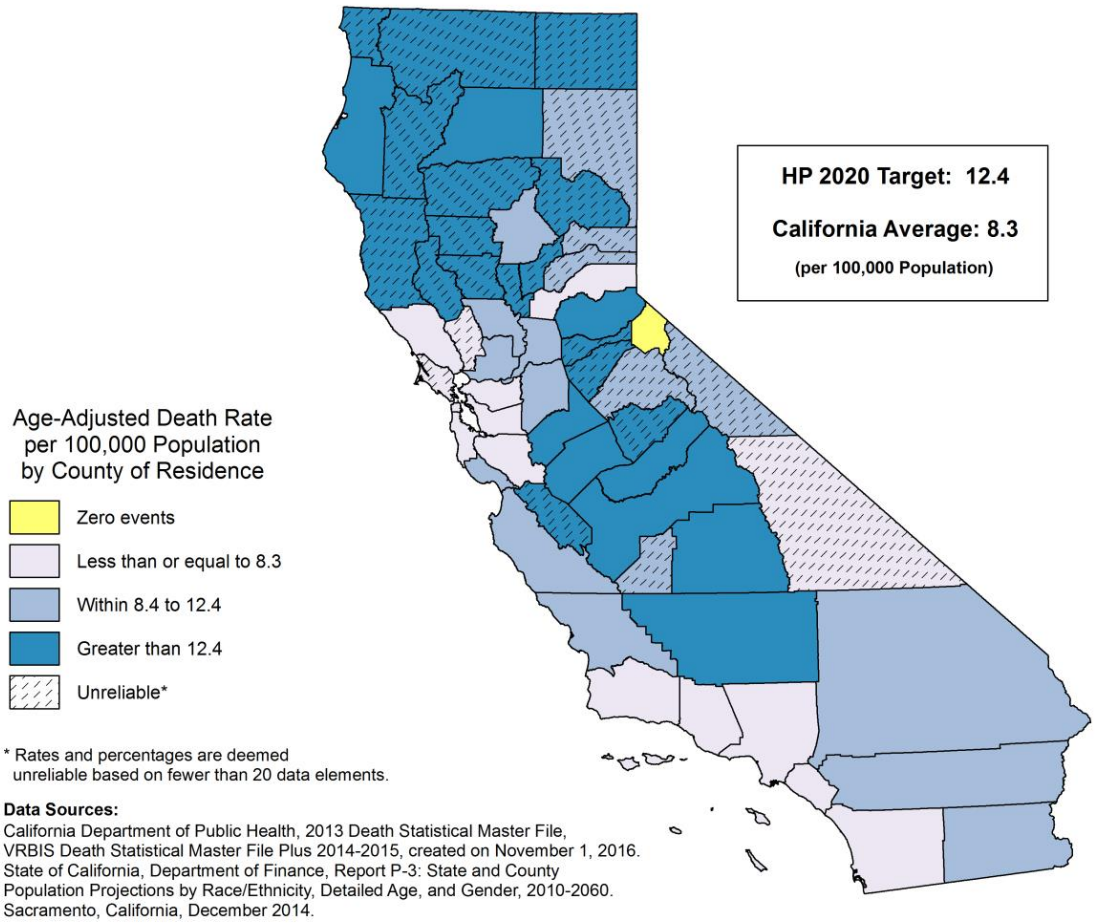
The California age-adjusted death rate from accidents for the 2010-2012 period was 27.2 per 100,000 population.

TABLE 14
DEATHS DUE TO ACCIDENTS (UNINTENTIONAL INJURIES)
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	SAN MATEO	747,334	175.0	23.4	20.8	17.6	23.9
2	LOS ANGELES	10,082,664	2,199.3	21.8	21.2	20.3	22.1
3	ORANGE	3,125,833	766.3	24.5	23.4	21.7	25.0
4	SANTA CLARA	1,871,516	460.3	24.6	23.5	21.3	25.7
5	CONTRA COSTA	1,095,476	296.0	27.0	24.9	22.0	27.8
6	ALAMEDA	1,582,119	428.7	27.1	25.6	23.1	28.1
7	MARIN	257,792	84.3	32.7	25.8	20.6	31.9
8	SAN BERNARDINO	2,096,123	525.0	25.0	26.5	24.2	28.8
9	PLACER	369,460	122.0	33.0	28.3	23.1	33.5
	CALIFORNIA	**38,548,204**	**11,683.3**	**30.3**	**29.1**	**28.6**	**29.6**
10	SANTA BARBARA	435,999	137.3	31.5	29.7	24.6	34.8
11	NAPA	141,172	48.7	34.5	29.8	22.1	39.5
12	VENTURA	844,833	268.7	31.8	30.2	26.5	33.9
13	SAN DIEGO	3,214,279	1,048.0	32.6	30.6	28.8	32.5
14	MONTEREY	426,670	131.7	30.9	30.7	25.4	36.0
15	SAN FRANCISCO	840,391	308.3	36.7	31.0	27.4	34.6
16	MONO	14,440	4.7	32.3 *	31.5 *	9.7	75.5
17	SONOMA	497,260	180.3	36.3	31.6	26.8	36.4
18	ALPINE	1,243	0.7	53.6 *	31.7 *	0.2	237.0
19	RIVERSIDE	2,294,333	779.3	34.0	33.6	31.2	36.0
20	SUTTER	97,257	33.7	34.6	34.3	23.7	48.0
21	SAN LUIS OBISPO	272,941	107.7	39.4	35.1	28.1	42.1
22	SOLANO	428,705	159.0	37.1	35.7	30.1	41.4
23	SACRAMENTO	1,461,174	547.3	37.5	36.1	33.0	39.2
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: IVP-11				**36.4**		
24	SIERRA	3,267	2.0	61.2 *	36.5 *	4.4	131.7
25	YOLO	208,069	75.3	36.2	36.9	29.0	46.2
26	KINGS	153,601	52.7	34.3	37.3	27.9	48.8
27	TULARE	461,703	158.0	34.2	37.4	31.4	43.3
28	SANTA CRUZ	272,210	107.3	39.4	37.8	30.5	45.2
29	SAN JOAQUIN	713,961	274.3	38.4	39.2	34.5	43.9
30	STANISLAUS	532,344	209.7	39.4	39.9	34.4	45.4
31	FRESNO	969,338	368.7	38.0	40.0	35.8	44.1
32	IMPERIAL	183,154	73.7	40.2	41.2	32.3	51.7
33	INYO	19,244	9.3	48.5 *	42.8 *	19.9	80.3
34	MADERA	154,829	65.3	42.2	43.0	33.2	54.8
35	CALAVERAS	45,508	21.3	46.9	43.0	26.7	65.6
36	AMADOR	37,017	19.3	52.2 *	43.7 *	26.5	68.0
37	SAN BENITO	58,222	25.0	42.9	45.6	29.5	67.4
38	EL DORADO	184,320	93.3	50.6	46.0	37.2	56.4
39	TEHAMA	64,827	34.0	52.4	46.9	32.5	65.6
40	NEVADA	98,453	54.0	54.8	47.6	35.7	62.1
41	MERCED	266,444	118.3	44.4	47.8	39.1	56.6
42	KERN	878,356	406.7	46.3	48.7	43.9	53.5
43	COLUSA	22,254	11.3	50.9 *	49.0 *	24.7	86.9
44	LASSEN	35,038	19.0	54.2 *	50.5 *	30.4	78.9
45	MODOC	9,395	6.0	63.9 *	51.1 *	18.7	111.2
46	MARIPOSA	18,091	12.0	66.3 *	54.0 *	27.9	94.3
47	MENDOCINO	88,795	51.3	57.8	56.2	41.9	73.8
48	TUOLUMNE	54,592	40.7	74.5	56.8	40.7	77.2
49	SHASTA	179,305	109.0	60.8	56.9	45.6	68.1
50	YUBA	74,258	41.3	55.7	57.6	41.4	78.0
51	BUTTE	224,518	149.3	66.5	58.4	48.5	68.3
52	DEL NORTE	28,477	20.3	71.4	62.5	38.4	96.2
53	SISKIYOU	45,290	31.3	69.2	62.9	42.8	89.1
54	GLENN	28,868	19.3	67.0 *	64.6 *	39.1	100.5
55	HUMBOLDT	136,779	97.0	70.9	66.4	53.8	81.0
56	PLUMAS	19,416	17.0	87.6 *	82.2 *	47.9	131.6
57	TRINITY	13,782	12.7	91.9 *	90.8 *	47.9	156.3
58	LAKE	65,465	65.0	99.3	91.0	70.3	116.0

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO MOTOR VEHICLE TRAFFIC CRASHES, 2013-2015



The crude death rate from motor vehicle traffic crashes for California was 8.5 deaths per 100,000 population, a risk of dying from a motor vehicle traffic crash equivalent to approximately one death for every 11,763.3 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 3,277.0 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 19.5 in Humboldt County to 4.4 in San Francisco County, a factor of 4.4 to 1.

The age-adjusted death rate from motor vehicle traffic crashes for California during the 2013 through 2015 three-year period was 8.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 19.0 in Humboldt County to 4.0 in San Francisco County.

Twenty-three counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective IVP-13.1 of no more than 12.4 age-adjusted deaths due to motor vehicle traffic crashes per 100,000 population. An additional nine counties with unreliable rates and one county with no deaths due to motor vehicle traffic crashes met the objective.

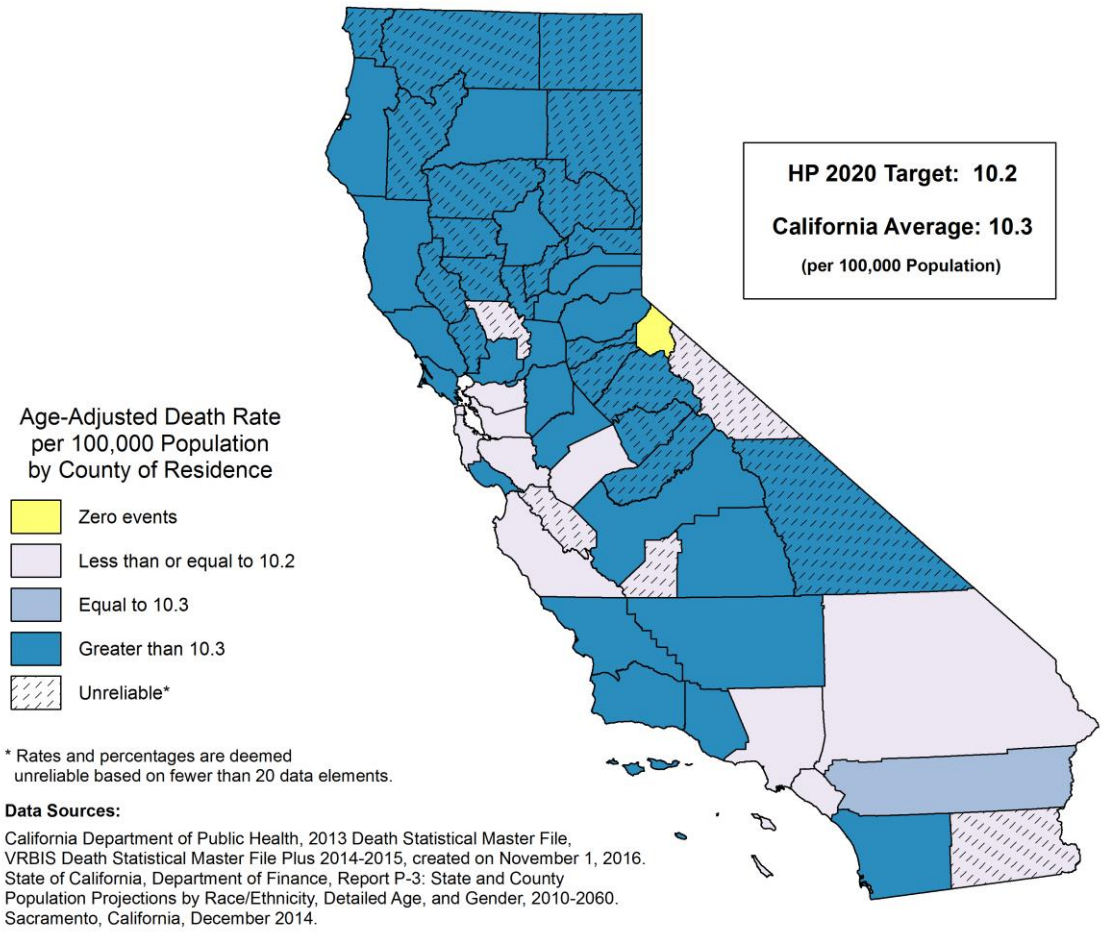
The California age-adjusted death rate from motor vehicle traffic crashes for the 2010-2012 period was 7.3 per 100,000 population.

TABLE 15
DEATHS DUE TO MOTOR VEHICLE TRAFFIC CRASHES
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,243	0.0	-	-	-	-
2	SAN FRANCISCO	840,391	37.0	4.4	4.0	2.8	5.5
3	MARIN	257,792	12.3	4.8 *	4.5 *	2.4	7.8
4	SAN MATEO	747,334	39.3	5.3	5.0	3.6	6.9
5	ALAMEDA	1,582,119	91.3	5.8	5.6	4.5	6.9
6	ORANGE	3,125,833	198.7	6.4	6.1	5.3	7.0
7	CONTRA COSTA	1,095,476	69.3	6.3	6.2	4.8	7.8
8	SAN DIEGO	3,214,279	216.7	6.7	6.4	5.5	7.3
9	SANTA CLARA	1,871,516	122.3	6.5	6.4	5.3	7.6
10	SANTA BARBARA	435,999	31.0	7.1	6.6	4.5	9.3
11	PLACER	369,460	25.0	6.8	6.6	4.3	9.8
12	SONOMA	497,260	36.0	7.2	6.6	4.6	9.2
13	LOS ANGELES	10,082,664	707.0	7.0	6.8	6.3	7.3
14	VENTURA	844,833	63.0	7.5	7.2	5.5	9.2
15	INYO	19,244	1.3	6.9 *	7.4 *	0.4	33.9
16	NAPA	141,172	10.7	7.6 *	7.4 *	3.6	13.3
	CALIFORNIA	**38,548,204**	**3,277.0**	**8.5**	**8.3**	**8.0**	**8.6**
17	SANTA CRUZ	272,210	22.7	8.3	8.4	5.3	12.6
18	MONO	14,440	1.3	9.2 *	8.4 *	0.5	38.6
19	MONTEREY	426,670	37.7	8.8	8.7	6.2	12.0
20	SACRAMENTO	1,461,174	132.3	9.1	8.9	7.4	10.5
21	TUOLUMNE	54,592	6.7	12.2 *	9.5 *	3.7	20.0
22	SIERRA	3,267	0.3	10.2 *	9.7 *	0.0	126.6
23	SAN LUIS OBISPO	272,941	27.3	10.0	9.7	6.4	14.1
24	YOLO	208,069	20.7	9.9	9.9	6.1	15.2
25	RIVERSIDE	2,294,333	241.0	10.5	10.4	9.1	11.8
26	BUTTE	224,518	25.7	11.4	10.8	7.0	15.9
27	IMPERIAL	183,154	20.7	11.3	11.3	6.9	17.3
28	KINGS	153,601	17.3	11.3 *	11.5 *	6.7	18.3
29	SOLANO	428,705	51.3	12.0	11.7	8.7	15.4
30	SAN JOAQUIN	713,961	84.0	11.8	11.8	9.4	14.6
31	SAN BERNARDINO	2,096,123	248.3	11.8	11.9	10.4	13.4
32	NEVADA	98,453	11.3	11.5 *	12.0 *	6.1	21.4
33	LASSEN	35,038	4.3	12.4 *	12.1 *	3.5	29.8
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: IVP-13.1				**12.4**		
34	STANISLAUS	532,344	66.7	12.5	12.5	9.7	15.8
35	EL DORADO	184,320	22.3	12.1	12.5	7.9	18.9
36	SISKIYOU	45,290	6.0	13.2 *	12.5 *	4.6	27.2
37	KERN	878,356	121.7	13.9	13.9	11.4	16.4
38	FRESNO	969,338	132.7	13.7	14.0	11.6	16.4
39	MENDOCINO	88,795	12.0	13.5 *	14.2 *	7.4	24.9
40	GLENN	28,868	3.7	12.7 *	14.3 *	3.6	37.9
41	MODOC	9,395	1.7	17.7 *	14.4 *	1.3	57.7
42	YUBA	74,258	10.3	13.9 *	14.5 *	7.1	26.5
43	AMADOR	37,017	6.0	16.2 *	14.6 *	5.3	31.7
44	TEHAMA	64,827	10.3	15.9 *	15.2 *	7.4	27.7
45	SUTTER	97,257	15.0	15.4 *	15.5 *	8.7	25.5
46	TULARE	461,703	68.7	14.9	15.6	12.1	19.8
47	MADERA	154,829	24.7	15.9	16.1	10.4	23.8
48	PLUMAS	19,416	4.0	20.6 *	16.2 *	4.4	41.4
49	SHASTA	179,305	29.0	16.2	16.2	10.8	23.3
50	MERCED	266,444	44.7	16.8	17.2	12.5	23.0
51	HUMBOLDT	136,779	26.7	19.5	19.0	12.5	27.7
52	SAN BENITO	58,222	10.7	18.3 *	19.5 *	9.6	35.2
53	COLUSA	22,254	4.3	19.5 *	20.4 *	5.9	50.5
54	DEL NORTE	28,477	7.0	24.6 *	22.8 *	9.2	47.0
55	LAKE	65,465	14.7	22.4 *	22.8 *	12.7	37.8
56	MARIPOSA	18,091	4.7	25.8 *	23.5 *	7.3	56.4
57	CALAVERAS	45,508	11.7	25.6 *	25.7 *	13.2	45.3
58	TRINITY	13,782	4.0	29.0 *	32.7 *	8.9	83.8

\- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO SUICIDE, 2013-2015



The crude death rate from suicide for California was 10.6 deaths per 100,000 population, equivalent to approximately one suicide for every 9,415.8 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 4,094.0 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 26.3 in Humboldt County to 7.5 in San Mateo County, a factor of 3.5 to 1.

The age-adjusted death rate from suicide for California during the 2013 through 2015 three-year period was 10.3 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 24.8 in Humboldt County to 7.0 in San Mateo County.

Ten counties with reliable age-adjusted death rates met the Healthy People 2020 National Objective MHMD-1 of no more than 10.2 age-adjusted deaths due to suicide per 100,000 population. An additional five counties with unreliable rates and one county with no deaths due to suicide met the objective. The California age-adjusted death rate due to suicide did not meet the national objective.

The California age-adjusted death rate from suicide for the 2010-2012 period was 10.1 per 100,000 population.

TABLE 16
DEATHS DUE TO SUICIDE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

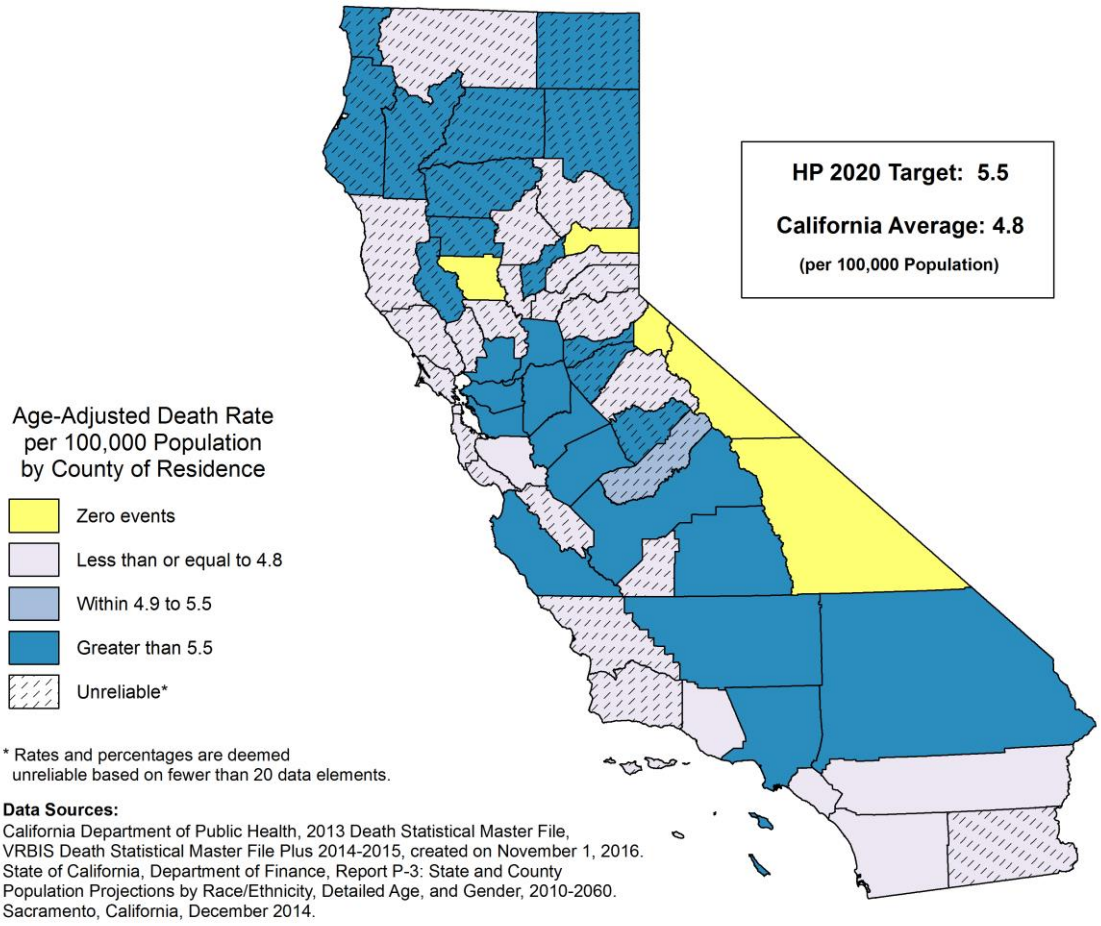
RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,243	0.0	-	-	-	-
2	SAN BENITO	58,222	3.0	5.2 *	5.5 *	1.1	16.1
3	SAN MATEO	747,334	56.3	7.5	7.0	5.3	9.1
4	MONO	14,440	1.0	6.9 *	7.6 *	0.2	42.3
5	LOS ANGELES	10,082,664	800.7	7.9	7.7	7.1	8.2
6	IMPERIAL	183,154	14.3	7.8 *	7.9 *	4.3	13.1
7	SANTA CLARA	1,871,516	155.0	8.3	7.9	6.7	9.2
8	SAN FRANCISCO	840,391	80.7	9.6	8.7	6.9	10.8
9	ALAMEDA	1,582,119	152.7	9.6	9.2	7.7	10.7
10	CONTRA COSTA	1,095,476	106.0	9.7	9.3	7.5	11.1
11	YOLO	208,069	19.7	9.5 *	9.4 *	5.7	14.6
12	KINGS	153,601	14.3	9.3 *	9.7 *	5.3	16.1
13	ORANGE	3,125,833	319.7	10.2	9.7	8.6	10.8
14	MONTEREY	426,670	43.3	10.2	10.1	7.3	13.6
15	MERCED	266,444	25.0	9.4	10.1	6.6	14.9
16	SAN BERNARDINO	2,096,123	203.0	9.7	10.1	8.7	11.6
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MHMD-1				**10.2**		
17	RIVERSIDE	2,294,333	238.0	10.4	10.3	9.0	11.6
	CALIFORNIA	**38,548,204**	**4,094.0**	**10.6**	**10.3**	**10.0**	**10.6**
18	STANISLAUS	532,344	55.3	10.4	10.6	8.0	13.7
19	SAN JOAQUIN	713,961	74.7	10.5	10.9	8.5	13.6
20	NAPA	141,172	16.3	11.6 *	10.9 *	6.3	17.6
21	TULARE	461,703	47.7	10.3	11.1	8.2	14.7
22	FRESNO	969,338	101.3	10.5	11.2	9.0	13.4
23	PLACER	369,460	45.7	12.4	11.3	8.3	15.1
24	INYO	19,244	3.3	17.3 *	11.6 *	2.7	32.4
25	MADERA	154,829	17.7	11.4 *	11.8 *	7.0	18.8
26	VENTURA	844,833	105.7	12.5	12.0	9.7	14.3
27	SANTA BARBARA	435,999	56.0	12.8	12.4	9.3	16.1
28	MARIN	257,792	37.3	14.5	12.4	8.7	17.1
29	SAN DIEGO	3,214,279	416.7	13.0	12.5	11.3	13.7
30	SONOMA	497,260	69.0	13.9	12.5	9.7	15.8
31	SOLANO	428,705	57.3	13.4	12.6	9.5	16.3
32	EL DORADO	184,320	27.7	15.0	13.3	8.8	19.3
33	SACRAMENTO	1,461,174	206.0	14.1	13.8	11.9	15.7
34	KERN	878,356	116.0	13.2	13.9	11.3	16.4
35	SANTA CRUZ	272,210	42.3	15.6	14.7	10.6	19.8
36	SUTTER	97,257	16.0	16.5 *	15.6 *	8.9	25.4
37	SAN LUIS OBISPO	272,941	49.0	18.0	15.7	11.6	20.8
38	BUTTE	224,518	39.7	17.7	16.9	12.1	23.1
39	TUOLUMNE	54,592	10.7	19.5 *	17.0 *	8.4	30.6
40	TEHAMA	64,827	12.0	18.5 *	18.0 *	9.3	31.4
41	GLENN	28,868	5.7	19.6 *	18.1 *	6.4	40.3
42	YUBA	74,258	13.0	17.5 *	18.3 *	9.7	31.3
43	MODOC	9,395	2.0	21.3 *	18.4 *	2.2	66.5
44	NEVADA	98,453	23.3	23.7	20.3	12.9	30.3
45	DEL NORTE	28,477	6.7	23.4 *	20.3 *	7.9	42.5
46	TRINITY	13,782	3.0	21.8 *	22.0 *	4.5	64.3
47	SHASTA	179,305	43.7	24.4	22.3	16.2	29.9
48	LASSEN	35,038	8.3	23.8 *	22.5 *	9.9	43.8
49	MENDOCINO	88,795	21.7	24.4	23.6	14.7	35.8
50	SISKIYOU	45,290	12.0	26.5 *	24.1 *	12.5	42.1
51	PLUMAS	19,416	4.7	24.0 *	24.6 *	7.6	58.9
52	HUMBOLDT	136,779	36.0	26.3	24.8	17.4	34.3
53	CALAVERAS	45,508	14.0	30.8 *	26.5 *	14.5	44.4
54	LAKE	65,465	19.7	30.0 *	27.2 *	16.5	42.2
55	AMADOR	37,017	11.3	30.6 *	27.4 *	13.8	48.6
56	COLUSA	22,254	6.0	27.0 *	29.1 *	10.7	63.3
57	MARIPOSA	18,091	6.0	33.2 *	33.5 *	12.3	72.9
58	SIERRA	3,267	1.0	30.6 *	34.0 *	0.9	189.3

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

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

Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DEATHS DUE TO HOMICIDE, 2013-2015



The crude death rate from homicide for California was 4.9 deaths per 100,000 population, a risk of dying from a homicide equivalent to approximately one death for every 20,526.2 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 1,878.0 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 11.3 in Merced County to 1.9 in Orange County, a factor of 5.9 to 1.

The age-adjusted death rate from homicide for California during the 2013 through 2015 three-year period was 4.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 10.9 in Monterey County to 1.9 in Orange County.

Six counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective IVP-29 of no more than 5.5 age-adjusted deaths due to homicide per 100,000 population. An additional twenty-one counties with unreliable rates and five counties with no deaths due to homicide met the objective.

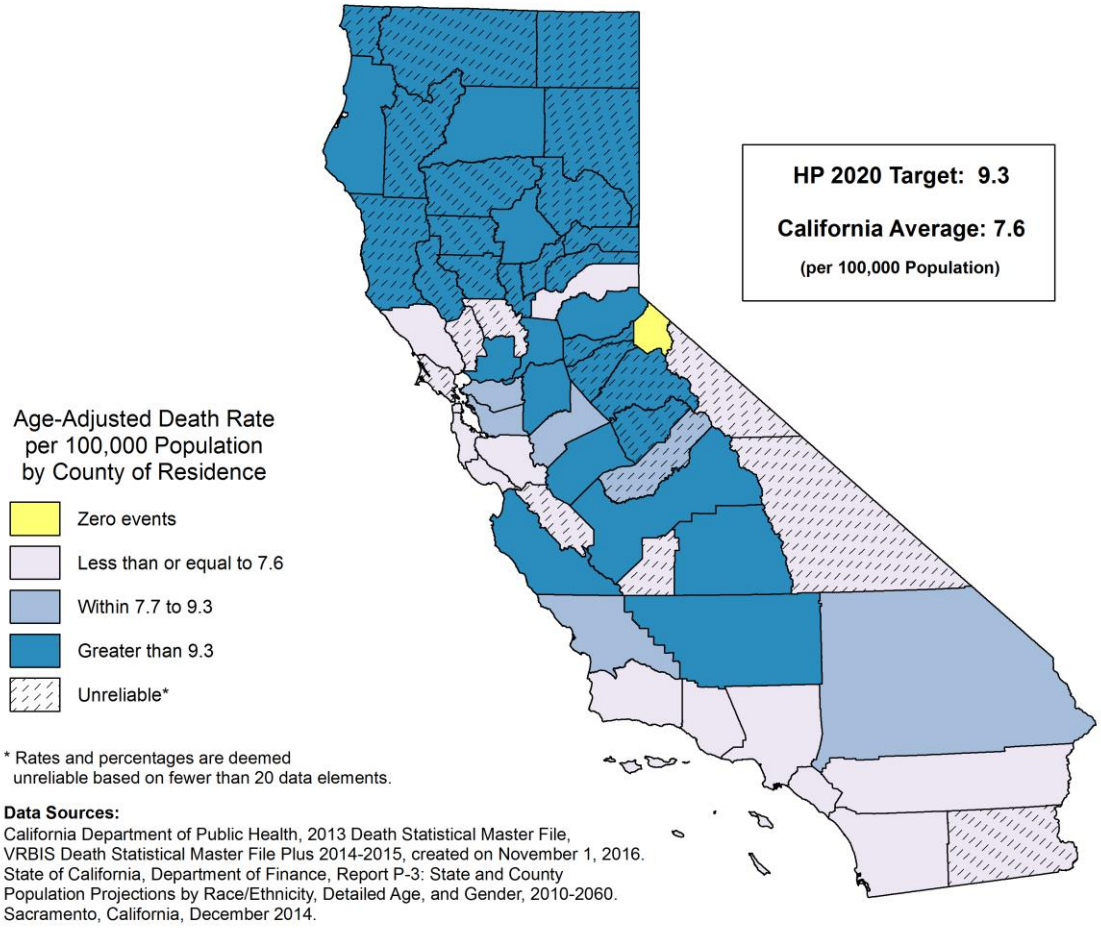
The California age-adjusted death rate from homicide for the 2010-2012 period was 5.2 per 100,000 population.

TABLE 17
DEATHS DUE TO HOMICIDE
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	COLUSA	22,254	0.0	-	-	-	-
2	INYO	19,244	0.0	-	-	-	-
3	MONO	14,440	0.0	-	-	-	-
4	SIERRA	3,267	0.0	-	-	-	-
5	ALPINE	1,243	0.0	-	-	-	-
6	NEVADA	98,453	1.0	1.0 *	1.3 *	0.0	7.4
7	SAN LUIS OBISPO	272,941	3.7	1.3 *	1.5 *	0.4	3.9
8	IMPERIAL	183,154	2.7	1.5 *	1.5 *	0.3	4.6
9	NAPA	141,172	2.0	1.4 *	1.5 *	0.2	5.6
10	PLACER	369,460	6.3	1.7 *	1.7 *	0.7	3.7
11	MARIN	257,792	4.3	1.7 *	1.7 *	0.5	4.3
12	ORANGE	3,125,833	60.0	1.9	1.9	1.5	2.5
13	SONOMA	497,260	10.3	2.1 *	1.9 *	0.9	3.5
14	SAN MATEO	747,334	14.7	2.0 *	2.1 *	1.2	3.5
15	EL DORADO	184,320	4.3	2.4 *	2.1 *	0.6	5.3
16	YOLO	208,069	4.7	2.2 *	2.4 *	0.7	5.7
17	SUTTER	97,257	2.3	2.4 *	2.6 *	0.4	8.7
18	SANTA CLARA	1,871,516	48.7	2.6	2.6	1.9	3.5
19	SAN DIEGO	3,214,279	87.0	2.7	2.7	2.2	3.3
20	TUOLUMNE	54,592	1.7	3.1 *	3.1 *	0.3	12.5
21	SANTA BARBARA	435,999	13.3	3.1 *	3.2 *	1.7	5.4
22	BUTTE	224,518	7.3	3.3 *	3.2 *	1.3	6.4
23	SAN BENITO	58,222	2.0	3.4 *	3.3 *	0.4	11.8
24	VENTURA	844,833	28.3	3.4	3.3	2.2	4.8
25	SANTA CRUZ	272,210	9.7	3.6 *	3.4 *	1.6	6.2
26	PLUMAS	19,416	1.0	5.2 *	3.4 *	0.1	18.9
27	SISKIYOU	45,290	1.7	3.7 *	3.6 *	0.3	14.5
28	SAN FRANCISCO	840,391	33.0	3.9	4.0	2.7	5.6
29	KINGS	153,601	6.7	4.3 *	4.1 *	1.6	8.7
30	RIVERSIDE	2,294,333	97.0	4.2	4.2	3.4	5.1
31	MENDOCINO	88,795	3.7	4.1 *	4.6 *	1.2	12.2
	CALIFORNIA	**38,548,204**	**1,878.0**	**4.9**	**4.8**	**4.6**	**5.1**
32	MADERA	154,829	8.3	5.4 *	5.5 *	2.4	10.7
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: IVP-29				**5.5**		
33	CALAVERAS	45,508	2.3	5.1 *	5.6 *	0.8	18.4
34	LOS ANGELES	10,082,664	580.3	5.8	5.6	5.2	6.1
35	STANISLAUS	532,344	30.3	5.7	5.7	3.8	8.1
36	SAN BERNARDINO	2,096,123	123.0	5.9	5.9	4.8	6.9
37	MARIPOSA	18,091	1.0	5.5 *	5.9 *	0.1	32.9
38	LASSEN	35,038	2.0	5.7 *	5.9 *	0.7	21.4
39	GLENN	28,868	1.7	5.8 *	5.9 *	0.5	23.8
40	YUBA	74,258	4.3	5.8 *	6.1 *	1.8	15.1
41	DEL NORTE	28,477	1.7	5.9 *	6.2 *	0.5	24.8
42	TEHAMA	64,827	3.7	5.7 *	6.2 *	1.6	16.5
43	CONTRA COSTA	1,095,476	66.3	6.1	6.3	4.9	8.0
44	AMADOR	37,017	2.0	5.4 *	6.4 *	0.8	23.2
45	SHASTA	179,305	10.3	5.8 *	6.5 *	3.1	11.8
46	SACRAMENTO	1,461,174	93.3	6.4	6.5	5.2	7.9
47	FRESNO	969,338	63.7	6.6	6.5	5.0	8.4
48	ALAMEDA	1,582,119	109.0	6.9	6.9	5.6	8.2
49	HUMBOLDT	136,779	11.0	8.0 *	7.9 *	3.9	14.1
50	KERN	878,356	73.0	8.3	8.2	6.5	10.4
51	SOLANO	428,705	36.3	8.5	8.7	6.1	12.0
52	SAN JOAQUIN	713,961	66.0	9.2	9.4	7.3	11.9
53	TULARE	461,703	42.7	9.2	9.6	6.9	12.9
54	MERCED	266,444	30.0	11.3	10.7	7.2	15.3
55	TRINITY	13,782	1.7	12.1 *	10.7 *	1.0	43.1
56	MONTEREY	426,670	46.7	10.9	10.9	8.0	14.5
57	LAKE	65,465	8.3	12.7 *	13.8 *	6.1	26.8
58	MODOC	9,395	1.7	17.7 *	17.5 *	1.5	70.1

- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

FIREARM-RELATED DEATHS, 2013-2015



The crude death rate from deaths due to firearm-related injuries for California was 7.7 deaths per 100,000 population, a risk of dying from a firearm-related injury equivalent to approximately one death for every 12,908.3 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 2,986.3 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 17.1 in Shasta County and Humboldt County to 4.1 in San Mateo County and San Francisco County, a factor of 4.2 to 1.

The age-adjusted death rate from deaths due to firearm-related injuries for California during the 2013 through 2015 three-year period was 7.6 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 16.2 in Humboldt County to 4.0 in San Mateo County.

Seventeen counties with reliable age-adjusted death rates and California as a whole met the Healthy People 2020 National Objective IVP-30 of no more than 9.3 age-adjusted deaths due to firearm-related injuries per 100,000 population. An additional nine counties with unreliable rates and one county with no deaths due to firearm-related injuries met the objective.

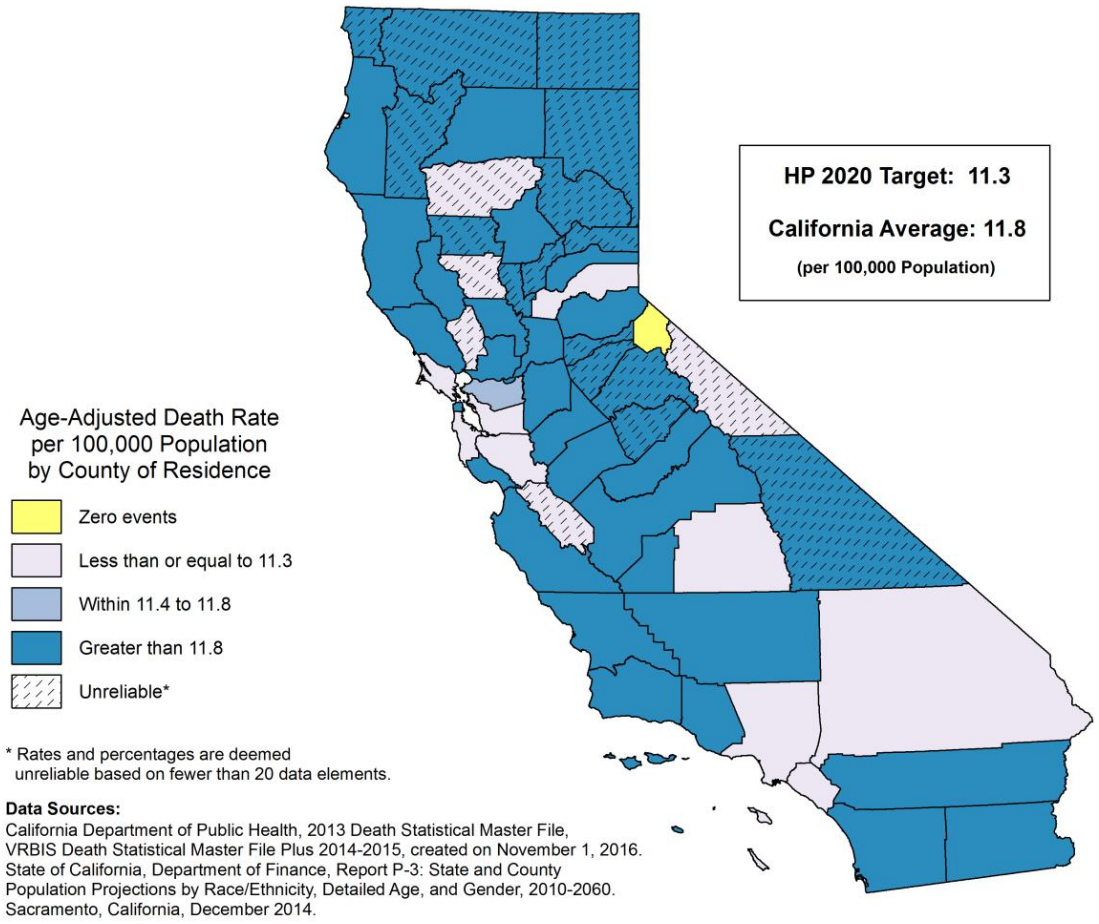
The California age-adjusted death rate from deaths due to firearm-related injuries for the 2010-2012 period was 7.7 per 100,000 population.

TABLE 18
FIREARM-RELATED DEATHS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,243	0.0	-	-	-	-
2	MONO	14,440	0.3	2.3 *	1.8 *	0.0	23.4
3	IMPERIAL	183,154	6.3	3.5 *	3.6 *	1.4	7.7
4	SAN MATEO	747,334	30.7	4.1	4.0	2.7	5.7
5	SAN FRANCISCO	840,391	34.7	4.1	4.1	2.8	5.7
6	SANTA CLARA	1,871,516	83.3	4.5	4.3	3.5	5.4
7	ORANGE	3,125,833	145.0	4.6	4.5	3.7	5.2
8	SAN BENITO	58,222	2.7	4.6 *	4.6 *	0.8	14.1
9	INYO	19,244	1.7	8.7 *	4.6 *	0.4	18.4
10	MARIN	257,792	13.3	5.2 *	4.9 *	2.6	8.3
11	NAPA	141,172	7.7	5.4 *	5.1 *	2.1	10.2
12	KINGS	153,601	8.3	5.4 *	5.5 *	2.4	10.8
13	SONOMA	497,260	32.7	6.6	5.9	4.1	8.3
14	YOLO	208,069	12.3	5.9 *	5.9 *	3.1	10.3
15	PLACER	369,460	26.0	7.0	6.0	3.9	8.8
16	SANTA BARBARA	435,999	26.7	6.1	6.0	4.0	8.8
17	SAN DIEGO	3,214,279	201.7	6.3	6.1	5.2	6.9
18	LOS ANGELES	10,082,664	718.7	7.1	6.9	6.4	7.4
19	SANTA CRUZ	272,210	21.0	7.7	7.3	4.5	11.1
20	RIVERSIDE	2,294,333	172.3	7.5	7.4	6.3	8.6
21	VENTURA	844,833	65.3	7.7	7.5	5.8	9.5
	CALIFORNIA	**38,548,204**	**2,986.3**	**7.7**	**7.6**	**7.3**	**7.8**
22	SAN LUIS OBISPO	272,941	26.0	9.5	8.1	5.3	11.9
23	ALAMEDA	1,582,119	136.7	8.6	8.5	7.1	10.0
24	CONTRA COSTA	1,095,476	96.3	8.8	8.9	7.2	10.8
25	SAN BERNARDINO	2,096,123	181.0	8.6	8.9	7.6	10.3
26	MADERA	154,829	14.0	9.0 *	9.1 *	5.0	15.3
27	STANISLAUS	532,344	48.3	9.1	9.2	6.8	12.2
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: IVP-30				**9.3**		
28	FRESNO	969,338	93.3	9.6	9.8	7.9	12.0
29	BUTTE	224,518	25.3	11.3	10.0	6.5	14.7
30	EL DORADO	184,320	21.3	11.6	10.0	6.2	15.3
31	SACRAMENTO	1,461,174	150.3	10.3	10.2	8.5	11.8
32	TUOLUMNE	54,592	6.3	11.6 *	11.0 *	4.2	23.5
33	MERCED	266,444	30.3	11.4	11.0	7.4	15.7
34	SAN JOAQUIN	713,961	81.0	11.3	11.5	9.1	14.3
35	SUTTER	97,257	11.3	11.7 *	11.6 *	5.9	20.5
36	KERN	878,356	102.0	11.6	12.1	9.7	14.4
37	GLENN	28,868	3.7	12.7 *	12.1 *	3.0	32.1
38	NEVADA	98,453	15.3	15.6 *	12.3 *	6.9	20.2
39	AMADOR	37,017	6.0	16.2 *	12.5 *	4.6	27.2
40	TULARE	461,703	55.3	12.0	12.5	9.4	16.3
41	SOLANO	428,705	58.3	13.6	13.3	10.1	17.1
42	TEHAMA	64,827	9.7	14.9 *	13.4 *	6.4	25.0
43	YUBA	74,258	9.7	13.0 *	13.9 *	6.6	25.9
44	MONTEREY	426,670	59.7	14.0	14.0	10.7	18.1
45	PLUMAS	19,416	3.7	18.9 *	14.3 *	3.6	37.9
46	SISKIYOU	45,290	7.3	16.2 *	14.7 *	6.1	29.8
47	SHASTA	179,305	30.7	17.1	15.0	10.2	21.4
48	MENDOCINO	88,795	14.3	16.1 *	15.3 *	8.4	25.6
49	HUMBOLDT	136,779	23.3	17.1	16.2	10.3	24.3
50	COLUSA	22,254	3.7	16.5 *	16.6 *	4.2	44.3
51	LASSEN	35,038	6.3	18.1 *	17.8 *	6.8	38.0
52	DEL NORTE	28,477	6.0	21.1 *	18.8 *	6.9	40.9
53	CALAVERAS	45,508	10.3	22.7 *	18.8 *	9.2	34.3
54	MARIPOSA	18,091	5.0	27.6 *	23.2 *	7.5	54.2
55	LAKE	65,465	16.0	24.4 *	23.5 *	13.4	38.2
56	MODOC	9,395	2.3	24.8 *	23.8 *	3.6	79.0
57	SIERRA	3,267	0.7	20.4 *	24.3 *	0.1	181.5
58	TRINITY	13,782	4.7	33.9 *	32.2 *	9.9	77.2

- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-adjusted death rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

DRUG-INDUCED DEATHS, 2013-2015



The crude death rate from deaths due to drug-induced causes for California was 12.4 deaths per 100,000 population, a risk of dying from a drug-induced cause equivalent to approximately one death for every 8,076.3 persons. The crude death rate for California was based on a 2013 through 2015 three-year average number of deaths equaling 4,773.0 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude death rate ranged from 50.4 in Lake County to 7.6 in Los Angeles County, a factor of 6.6 to 1.

The age-adjusted death rate from deaths due to drug-induced causes for California during the 2013 through 2015 three-year period was 11.8 deaths per 100,000 population. Reliable age-adjusted death rates ranged from 48.3 in Lake County to 7.3 in Los Angeles County and Santa Clara County.

Nine counties with reliable age-adjusted death rates met the Healthy People 2020 National Objective SA-12 of no more than 11.3 age-adjusted deaths due to drug-induced causes per 100,000 population. An additional five counties with unreliable rates and one county with no deaths due to drug-induced causes met the objective. The California age-adjusted death rate due to drug-induced causes did not meet the national objective.

The California age-adjusted death rate from deaths due to drug-induced causes for the 2010-2012 period was 10.8 per 100,000 population.

TABLE 19
DRUG-INDUCED DEATHS
RANKED BY THREE-YEAR AVERAGE AGE-ADJUSTED DEATH RATE
CALIFORNIA COUNTIES, 2013-2015

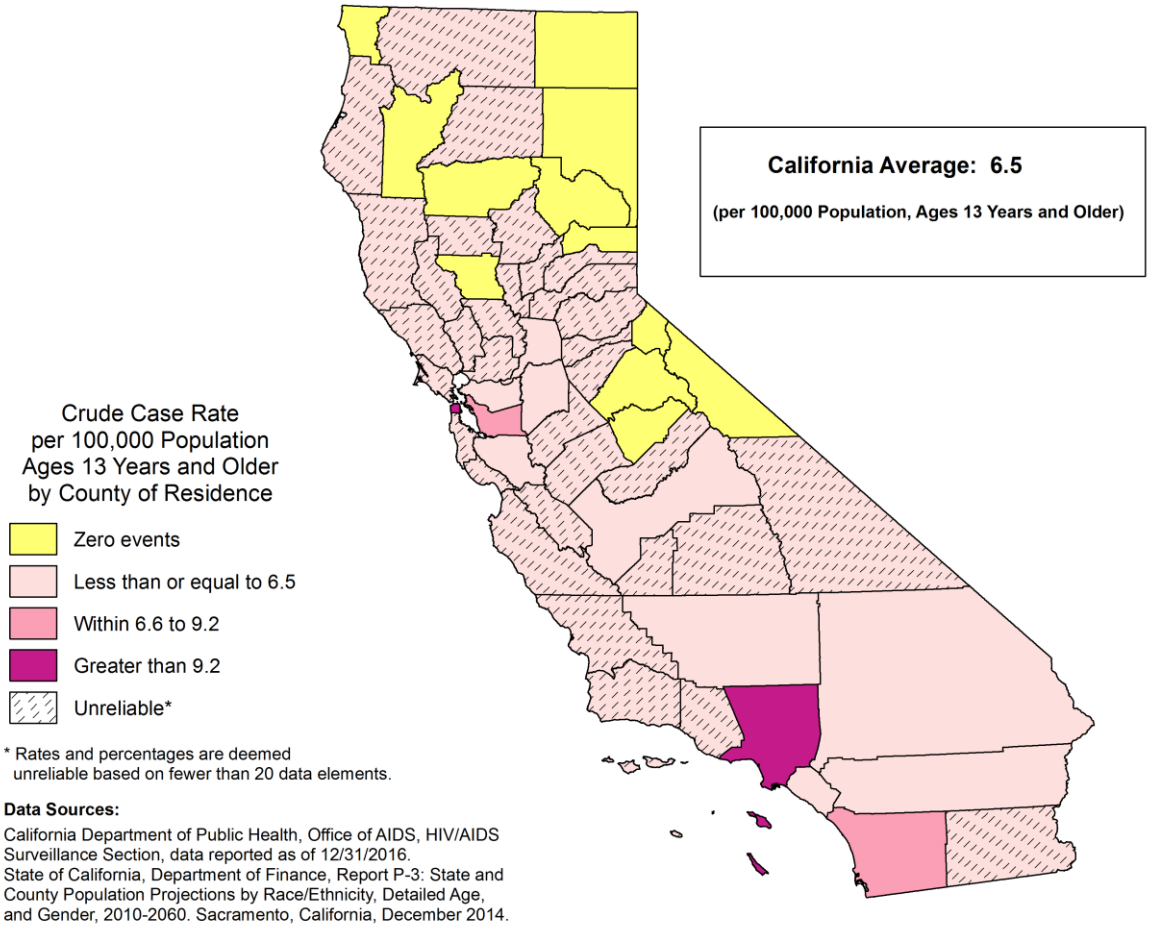
RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
1	ALPINE	1,243	0.0	-	-	-	-
2	MONO	14,440	1.0	6.9 *	7.3 *	0.2	40.4
3	LOS ANGELES	10,082,664	765.0	7.6	7.3	6.7	7.8
4	SANTA CLARA	1,871,516	147.0	7.9	7.3	6.1	8.5
5	SAN MATEO	747,334	66.0	8.8	7.9	6.1	10.1
6	COLUSA	22,254	1.7	7.5 *	8.1 *	0.7	32.5
7	MARIN	257,792	26.0	10.1	9.0	5.9	13.2
8	SAN BENITO	58,222	6.0	10.3 *	10.0 *	3.7	21.8
9	TULARE	461,703	42.3	9.2	10.0	7.2	13.5
10	PLACER	369,460	39.7	10.7	10.4	7.4	14.1
11	TEHAMA	64,827	7.3	11.3 *	10.4 *	4.3	21.1
12	SAN BERNARDINO	2,096,123	223.3	10.7	10.6	9.2	12.0
13	ALAMEDA	1,582,119	185.3	11.7	10.8	9.2	12.4
14	NAPA	141,172	17.0	12.0 *	11.2 *	6.6	18.0
15	ORANGE	3,125,833	373.7	12.0	11.3	10.1	12.5
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: SA-12				**11.3**		
16	CONTRA COSTA	1,095,476	133.7	12.2	11.4	9.4	13.4
	CALIFORNIA	**38,548,204**	**4,773.0**	**12.4**	**11.8**	**11.5**	**12.2**
17	SONOMA	497,260	65.0	13.1	12.0	9.3	15.3
18	MONTEREY	426,670	52.0	12.2	12.3	9.2	16.1
19	SUTTER	97,257	11.7	12.0 *	12.4 *	6.3	21.9
20	SAN DIEGO	3,214,279	441.0	13.7	13.0	11.8	14.2
21	YUBA	74,258	9.3	12.6 *	13.0 *	6.1	24.5
22	YOLO	208,069	28.3	13.6	13.7	9.1	19.7
23	FRESNO	969,338	126.3	13.0	13.8	11.4	16.3
24	SOLANO	428,705	62.7	14.6	13.9	10.6	17.8
25	KINGS	153,601	20.7	13.5	14.0	8.6	21.4
26	VENTURA	844,833	122.0	14.4	14.0	11.4	16.5
27	SANTA BARBARA	435,999	62.3	14.3	14.3	11.0	18.3
28	RIVERSIDE	2,294,333	341.3	14.9	14.8	13.2	16.3
29	MERCED	266,444	37.0	13.9	15.0	10.5	20.6
30	SAN LUIS OBISPO	272,941	42.0	15.4	15.2	10.9	20.5
31	MADERA	154,829	24.7	15.9	16.4	10.6	24.3
32	TRINITY	13,782	2.3	16.9 *	16.5 *	2.5	54.9
33	SAN JOAQUIN	713,961	120.0	16.8	16.8	13.8	19.9
34	STANISLAUS	532,344	89.3	16.8	17.0	13.6	20.9
35	SAN FRANCISCO	840,391	167.7	20.0	17.1	14.5	19.8
36	SACRAMENTO	1,461,174	265.7	18.2	17.3	15.2	19.4
37	SIERRA	3,267	1.0	30.6 *	18.1 *	0.5	100.8
38	SANTA CRUZ	272,210	52.0	19.1	18.1	13.5	23.8
39	DEL NORTE	28,477	6.0	21.1 *	18.2 *	6.7	39.5
40	IMPERIAL	183,154	31.7	17.3	18.4	12.5	26.0
41	MARIPOSA	18,091	3.7	20.3 *	19.5 *	4.9	51.9
42	CALAVERAS	45,508	10.0	22.0 *	19.5 *	9.4	36.0
43	EL DORADO	184,320	39.0	21.2	19.7	14.0	27.0
44	GLENN	28,868	6.0	20.8 *	20.2 *	7.4	44.1
45	AMADOR	37,017	9.7	26.1 *	20.9 *	9.9	38.8
46	MODOC	9,395	2.0	21.3 *	21.2 *	2.6	76.7
47	SISKIYOU	45,290	8.7	19.1 *	21.7 *	9.7	41.6
48	INYO	19,244	4.7	24.2 *	21.8 *	6.7	52.2
49	NEVADA	98,453	22.3	22.7	22.8	14.3	34.4
50	MENDOCINO	88,795	21.0	23.6	23.3	14.4	35.6
51	SHASTA	179,305	41.7	23.2	23.6	17.0	31.9
52	KERN	878,356	203.3	23.1	23.7	20.4	27.0
53	LASSEN	35,038	10.3	29.5 *	26.1 *	12.7	47.5
54	BUTTE	224,518	66.0	29.4	27.6	21.4	35.1
55	TUOLUMNE	54,592	18.7	34.2 *	28.7 *	17.2	45.0
56	HUMBOLDT	136,779	47.7	34.8	33.3	24.5	44.2
57	PLUMAS	19,416	8.3	42.9 *	45.9 *	20.2	89.4
58	LAKE	65,465	33.0	50.4	48.3	33.2	67.8

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

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

Sources: California Department of Public Health, 2013 Death Statistical Master File, VRBIS Death Statistical Master File Plus 2014-2015, created on November 1, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OLDER, 2013-2015



The crude case rate of reported AIDS cases for Californians, aged 13 years and older, was 6.5 cases per 100,000 of corresponding age population, or approximately one reported AIDS case for every 15,423.8 population, aged 13 years and older. This rate was based on a 2013 through 2015 three-year average reported number of cases of persons aged 13 years and older equaling 2,075.7 and a corresponding age population count of 32,015,079 as of July 1, 2014.

Among counties with reliable rates, the crude case rate ranged from 20.0 in San Francisco County to 4.0 in Santa Clara County, a factor of 5.0 to 1.

The Healthy People 2020 National Objective HIV-4 to reduce new AIDS cases among persons ages 13 years and older has been archived. See Technical Notes for more information.

The California crude case rate of reported AIDS cases, aged 13 years and older, for the 2010-2012 period was 9.0.

TABLE 20
REPORTED INCIDENCE OF AIDS AMONG POPULATION AGES 13 YEARS AND OVER
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2013-2015

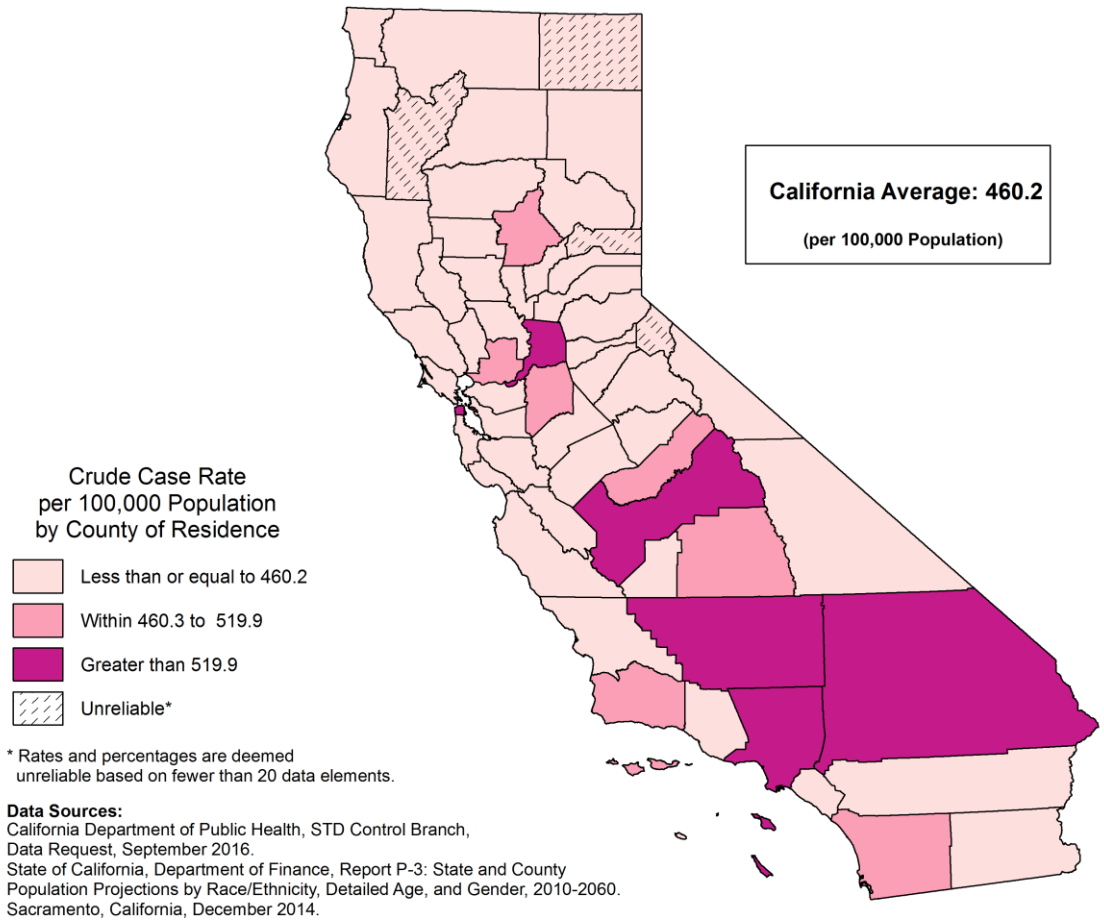
RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION AGED 13 AND OVER	2013-2015 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: NOT APPLICABLE						
1	TEHAMA	53,893	0.0	-	-	-
2	TUOLUMNE	48,401	0.0	-	-	-
3	LASSEN	31,206	0.0	-	-	-
4	DEL NORTE	24,409	0.0	-	-	-
5	COLUSA	17,755	0.0	-	-	-
6	PLUMAS	17,194	0.0	-	-	-
7	MARIPOSA	16,089	0.0	-	-	-
8	MONO	12,267	0.0	-	-	-
9	TRINITY	12,160	0.0	-	-	-
10	MODOC	8,252	0.0	-	-	-
11	SIERRA	2,934	0.0	-	-	-
12	ALPINE	1,070	0.0	-	-	-
13	PLACER	312,674	2.0	0.6 *	0.1	2.3
14	SAN BENITO	47,555	0.3	0.7 *	0.0	9.2
15	AMADOR	33,266	0.3	1.0 *	0.0	13.1
16	NEVADA	87,027	1.0	1.1 *	0.0	6.4
17	MENDOCINO	75,292	1.0	1.3 *	0.0	7.4
18	GLENN	23,463	0.3	1.4 *	0.0	18.6
19	EL DORADO	159,378	2.3	1.5 *	0.2	4.9
20	SUTTER	79,122	1.3	1.7 *	0.1	7.8
21	YOLO	176,128	3.3	1.9 *	0.4	5.3
22	MERCED	209,972	4.0	1.9 *	0.5	4.9
23	SANTA CRUZ	231,168	4.7	2.0 *	0.6	4.8
24	KINGS	124,274	2.7	2.1 *	0.4	6.6
25	YUBA	58,442	1.3	2.3 *	0.1	10.5
26	BUTTE	192,570	5.0	2.6 *	0.8	6.1
27	MADERA	124,512	3.3	2.7 *	0.6	7.4
28	VENTURA	701,945	19.0	2.7 *	1.6	4.2
29	SANTA BARBARA	364,489	10.3	2.8 *	1.4	5.2
30	STANISLAUS	429,691	13.0	3.0 *	1.6	5.2
31	SONOMA	423,999	13.0	3.1 *	1.6	5.2
32	SAN MATEO	628,944	19.3	3.1 *	1.9	4.8
33	SAN LUIS OBISPO	237,859	7.3	3.1 *	1.3	6.3
34	HUMBOLDT	117,307	3.7	3.1 *	0.8	8.3
35	CALAVERAS	40,320	1.3	3.3 *	0.2	15.2
36	SISKIYOU	38,989	1.3	3.4 *	0.2	15.7
37	TULARE	357,449	12.3	3.5 *	1.8	6.0
38	SHASTA	152,285	5.3	3.5 *	1.2	8.0
39	LAKE	56,051	2.0	3.6 *	0.4	12.9
40	NAPA	120,091	4.3	3.6 *	1.1	8.9
41	SOLANO	358,831	14.0	3.9 *	2.1	6.5
42	MARIN	221,509	8.7	3.9 *	1.8	7.5
43	SANTA CLARA	1,553,114	61.7	4.0	3.0	5.1
44	CONTRA COSTA	917,834	37.3	4.1	2.9	5.6
45	SACRAMENTO	1,202,943	51.0	4.2	3.2	5.6
46	MONTEREY	346,497	15.3	4.4 *	2.5	7.3
47	IMPERIAL	146,308	6.7	4.6 *	1.8	9.5
48	ORANGE	2,623,505	124.3	4.7	3.9	5.6
49	KERN	694,839	33.0	4.7	3.3	6.7
50	SAN BERNARDINO	1,692,891	90.0	5.3	4.3	6.5
51	RIVERSIDE	1,876,191	111.3	5.9	4.8	7.0
52	SAN JOAQUIN	574,674	34.3	6.0	4.1	8.3
53	INYO	16,570	1.0	6.0 *	0.2	33.6
54	FRESNO	767,167	46.7	6.1	4.5	8.1
	CALIFORNIA	**32,015,079**	**2,075.7**	**6.5**	**6.2**	**6.8**
55	ALAMEDA	1,331,270	93.3	7.0	5.7	8.6
56	SAN DIEGO	2,679,648	226.7	8.5	7.4	9.6
57	LOS ANGELES	8,412,561	825.3	9.8	9.1	10.5
58	SAN FRANCISCO	748,835	149.7	20.0	16.8	23.2

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

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

Sources: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data reported as of 12/31/2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

REPORTED INCIDENCE OF CHLAMYDIA, 2013-2015



The crude case rate of reported incidence of chlamydia for California was 460.2 cases per 100,000 population, or approximately one reported incidence of chlamydia for every 217.3 persons. The crude case rate for California was based on a 2013 through 2015 three-year average number of reported incidence of chlamydia cases equaling 177,403 and a population count of 38,548,204 as of July 1, 2014.

Among counties with reliable rates, the crude case rate of reported incidence of chlamydia ranged from 743.5 in San Francisco County to 148.0 in Calaveras County, a factor of 5 to 1.

Prevalence data are not available in all California counties to evaluate the Healthy People 2020 National Objective STD-1, as the Healthy People objective is restricted to females ages 15 to 24 years old and identified at a family planning clinic, and males and females under 24 years old who participate in a national job training program.

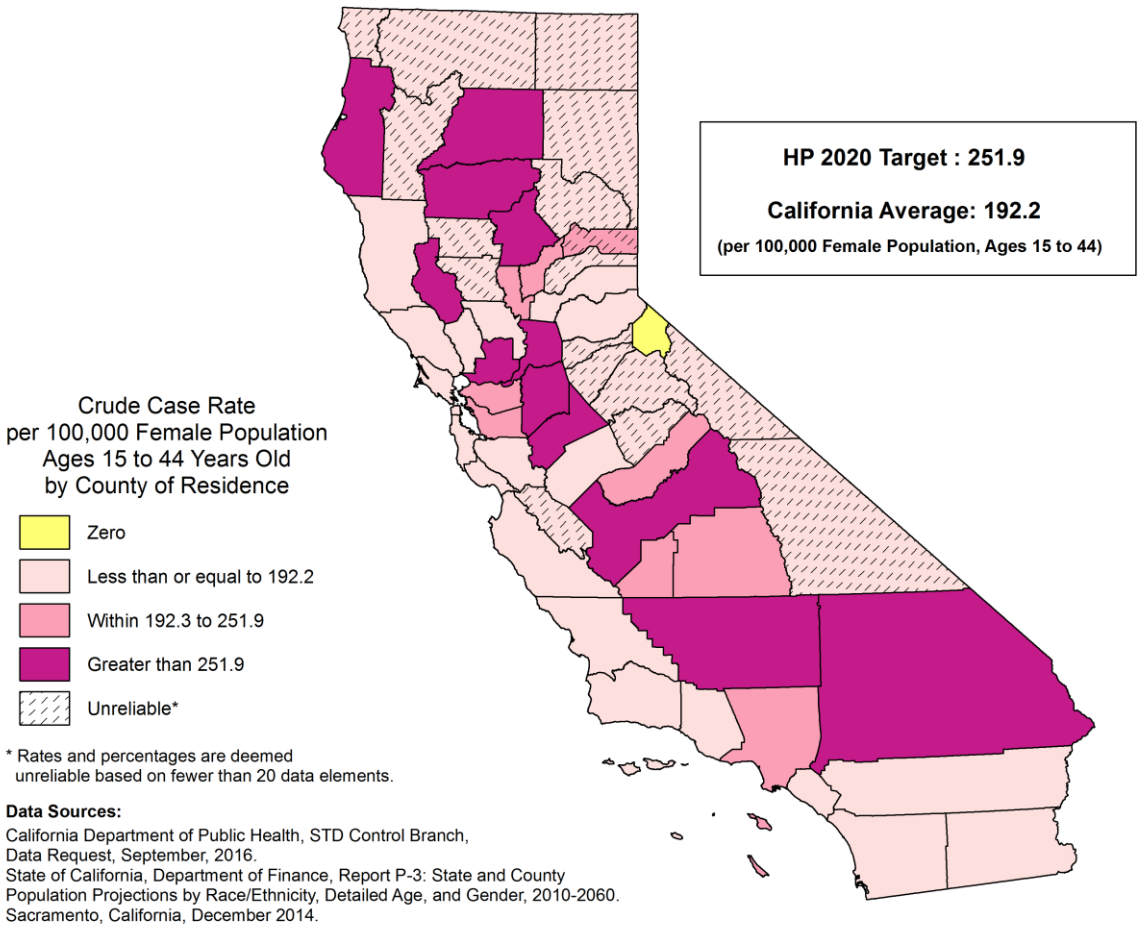
The California crude case rate of reported incidence of chlamydia for the 2010-2012 period was 434.1 per 100,000 population.

TABLE 21
REPORTED INCIDENCE OF CHLAMYDIA
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: STD-1 NOT APPLICABLE					
1	SIERRA	3,267	3.0	91.8 *	18.9	268.4
2	MODOC	9,395	9.0	95.8 *	43.8	181.8
3	TRINITY	13,782	18.3	133.0 *	79.3	209.4
4	CALAVERAS	45,508	67.3	148.0	114.7	187.8
5	ALPINE	1,243	2.0	160.9 *	19.5	581.2
6	MARIPOSA	18,091	30.3	167.7	113.4	238.9
7	AMADOR	37,017	64.7	174.7	134.7	222.8
8	TUOLUMNE	54,592	96.3	176.5	143.0	215.4
9	MONO	14,440	26.0	180.1	117.6	263.8
10	COLUSA	22,254	40.3	181.2	129.7	246.5
11	EL DORADO	184,320	349.7	189.7	169.8	209.6
12	DEL NORTE	28,477	57.0	200.2	151.6	259.3
13	SISKIYOU	45,290	91.7	202.4	163.1	248.3
14	NEVADA	98,453	207.7	210.9	182.2	239.6
15	LASSEN	35,038	78.0	222.6	176.0	277.8
16	MARIN	257,792	578.0	224.2	205.9	242.5
17	PLACER	369,460	881.0	238.5	222.7	254.2
18	NAPA	141,172	374.0	264.9	238.1	291.8
19	GLENN	28,868	79.3	274.8	217.7	342.3
20	SAN MATEO	747,334	2,132.3	285.3	273.2	297.4
21	SAN BENITO	58,222	168.0	288.6	244.9	332.2
22	PLUMAS	19,416	57.7	297.0	225.3	384.2
23	LAKE	65,465	195.0	297.9	256.1	339.7
24	TEHAMA	64,827	193.3	298.2	256.2	340.3
25	VENTURA	844,833	2,564.0	303.5	291.7	315.2
26	ORANGE	3,125,833	9,739.0	311.6	305.4	317.8
27	SUTTER	97,257	311.7	320.5	284.9	356.0
28	YUBA	74,258	245.7	330.8	289.5	372.2
29	INYO	19,244	63.7	330.8	254.6	422.7
30	SANTA CLARA	1,871,516	6,196.7	331.1	322.9	339.3
31	SONOMA	497,260	1,655.7	333.0	316.9	349.0
32	HUMBOLDT	136,779	483.0	353.1	321.6	384.6
33	SANTA CRUZ	272,210	963.7	354.0	331.7	376.4
34	SHASTA	179,305	635.3	354.3	326.8	381.9
35	YOLO	208,069	744.7	357.9	332.2	383.6
36	MENDOCINO	88,795	323.3	364.1	324.4	403.8
37	KINGS	153,601	561.7	365.7	335.4	395.9
38	IMPERIAL	183,154	680.0	371.3	343.4	399.2
39	SAN LUIS OBISPO	272,941	1,033.0	378.5	355.4	401.6
40	MONTEREY	426,670	1,682.3	394.3	375.5	413.1
41	CONTRA COSTA	1,095,476	4,330.7	395.3	383.5	407.1
42	MERCED	266,444	1,060.0	397.8	373.9	421.8
43	RIVERSIDE	2,294,333	9,147.3	398.7	390.5	406.9
44	STANISLAUS	532,344	2,202.0	413.6	396.4	430.9
45	ALAMEDA	1,582,119	7,184.7	454.1	443.6	464.6
	CALIFORNIA	**38,548,204**	**177,403.0**	**460.2**	**458.1**	**462.4**
46	BUTTE	224,518	1,046.3	466.0	437.8	494.3
47	MADERA	154,829	727.0	469.6	435.4	503.7
48	SANTA BARBARA	435,999	2,062.0	472.9	452.5	493.4
49	SAN JOAQUIN	713,961	3,486.3	488.3	472.1	504.5
50	TULARE	461,703	2,279.3	493.7	473.4	513.9
51	SAN DIEGO	3,214,279	16,395.7	510.1	502.3	517.9
52	SOLANO	428,705	2,229.0	519.9	498.4	541.5
53	SAN BERNARDINO	2,096,123	10,942.7	522.0	512.3	531.8
54	LOS ANGELES	10,082,664	54,145.3	537.0	532.5	541.5
55	SACRAMENTO	1,461,174	8,035.0	549.9	537.9	561.9
56	FRESNO	969,338	5,919.3	610.7	595.1	626.2
57	KERN	878,356	6,278.7	714.8	697.1	732.5
58	SAN FRANCISCO	840,391	6,248.3	743.5	725.1	761.9

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, STD Control Branch, Data Request, September 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

REPORTED INCIDENCE OF GONORRHEA AMONG FEMALES 15 TO 44 YEARS OLD, 2013-2015



The crude case rate of reported incidence of gonorrhea among females, ages 15 to 44 years old for California was 192.2 cases per 100,000 female population, ages 15 to 44 years old, or approximately one reported incidence of gonorrhea for every 520.4 females in the corresponding age group. The crude case rate for California was based on a 2013 through 2015 three-year average number of reported incidence of gonorrhea cases among females, ages 15 to 44 years old, equaling 15,235.7 and a corresponding female population count of 7,927,923 as of July 1, 2014.

Among counties with reliable rates, the crude case rate ranged from 495.0 in Shasta County to 64.6 in San Mateo County, a factor of 7.7 to 1.

Twenty-eight counties with reliable crude case rates and California as a whole met the Healthy People 2020 National Objective STD-6.1 of no more than 251.9 new reported incidence of gonorrhea cases per 100,000 female population, ages 15 to 44 years old. An additional seventeen counties with unreliable rates and one county with no reported incidence of gonorrhea among females, ages 15 to 44 years old met the objective.

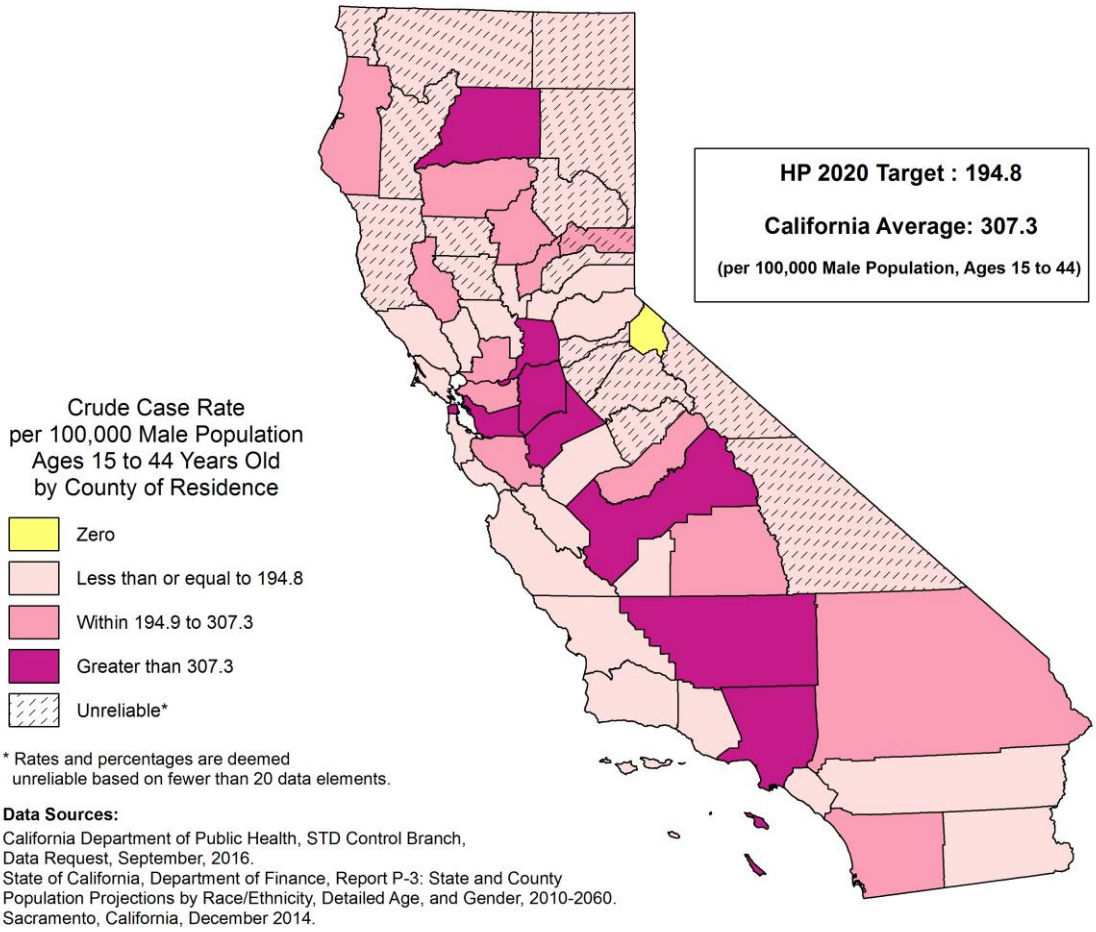
The California crude case rate of reported incidence of gonorrhea among females, ages 15 to 44 years old for the 2010-2012 period was 139.9 per 100,000 female population, ages 15 to 44 years old.

TABLE 22F
REPORTED INCIDENCE OF GONORRHEA AMONG FEMALES 15 TO 44 YEARS OLD
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 FEMALE POPULATION 15 TO 44 YRS OLD	2013-2015 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	ALPINE	166	0.0	-	-	-
2	MONO	2,767	0.3	12.0 *	0.0	157.5
3	MODOC	1,552	0.3	21.5 *	0.0	280.8
4	PLUMAS	2,724	1.0	36.7 *	0.9	204.5
5	INYO	2,939	1.3	45.4 *	2.5	208.9
6	LASSEN	4,614	2.3	50.6 *	7.7	167.9
7	SAN MATEO	140,424	90.7	64.6	52.0	79.3
8	EL DORADO	29,618	20.3	68.7	42.1	105.7
9	NEVADA	14,821	12.0	81.0 *	41.8	141.4
10	NAPA	25,864	21.3	82.5	51.3	125.7
11	TRINITY	1,947	1.7	85.6 *	7.6	343.6
12	SAN LUIS OBISPO	49,942	43.0	86.1	62.3	116.0
13	COLUSA	4,233	3.7	86.6 *	21.8	230.5
14	MARIN	40,269	35.7	88.6	61.9	122.8
15	IMPERIAL	35,681	32.0	89.7	61.3	126.6
16	ORANGE	640,374	578.7	90.4	83.0	97.7
17	PLACER	66,928	61.7	92.1	70.6	118.2
18	CALAVERAS	6,338	6.0	94.7 *	34.7	206.1
19	SANTA BARBARA	90,949	90.0	99.0	79.6	121.6
20	VENTURA	164,555	170.7	103.7	88.2	119.3
21	SANTA CRUZ	54,913	59.3	108.0	82.3	139.3
22	SONOMA	92,603	100.3	108.3	87.1	129.5
23	TUOLUMNE	7,631	8.7	113.6 *	51.0	218.1
24	SISKIYOU	6,671	7.7	114.9 *	48.5	229.6
25	MARIPOSA	2,608	3.0	115.0 *	23.7	336.2
26	SANTA CLARA	378,504	484.0	127.9	116.5	139.3
27	SAN DIEGO	662,878	882.0	133.1	124.3	141.8
28	SAN BENITO	11,739	15.7	133.5 *	75.8	217.8
29	YOLO	50,840	68.3	134.4	104.4	170.3
30	RIVERSIDE	471,844	678.3	143.8	132.9	154.6
31	GLENN	5,331	7.7	143.8 *	60.7	287.3
32	MONTEREY	86,262	131.7	152.6	126.6	178.7
33	SAN FRANCISCO	192,585	297.3	154.4	136.8	171.9
34	AMADOR	4,732	7.3	155.0 *	63.9	314.3
35	MERCED	56,509	96.7	171.1	138.7	208.8
36	MENDOCINO	14,901	26.7	179.0	117.6	261.0
37	DEL NORTE	4,251	7.7	180.3 *	76.2	360.4
	CALIFORNIA	**7,927,923**	**15,235.7**	**192.2**	**189.1**	**195.2**
38	LOS ANGELES	2,159,302	4,256.3	197.1	191.2	203.0
39	TULARE	95,786	198.3	207.1	178.2	235.9
40	SUTTER	19,129	40.0	209.1	149.4	284.7
41	CONTRA COSTA	211,137	459.0	217.4	197.5	237.3
42	KINGS	28,747	66.3	230.7	178.6	293.4
43	ALAMEDA	336,426	794.0	236.0	219.6	252.4
44	YUBA	14,867	35.7	239.9	167.7	332.6
45	MADERA	33,445	83.3	249.2	198.6	308.7
46	SIERRA	399	1.0	250.6 *	6.3	1396.4
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: STD-6.1			**251.9**		
47	STANISLAUS	109,888	277.3	252.4	222.7	282.1
48	BUTTE	44,260	114.7	259.1	211.7	306.5
49	SAN BERNARDINO	450,101	1,176.0	261.3	246.3	276.2
50	TEHAMA	11,378	32.3	284.2	194.8	400.5
51	HUMBOLDT	27,272	82.0	300.7	239.1	373.2
52	SOLANO	83,447	256.7	307.6	270.0	345.2
53	SAN JOAQUIN	146,854	478.7	325.9	296.7	355.1
54	KERN	175,449	639.7	364.6	336.3	392.8
55	SACRAMENTO	302,877	1,120.3	369.9	348.2	391.6
56	FRESNO	203,979	869.0	426.0	397.7	454.3
57	LAKE	10,291	44.7	434.0	316.2	581.4
58	SHASTA	31,382	155.3	495.0	417.1	572.8

\- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, STD Control Branch, Data Request, September, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

REPORTED INCIDENCE OF GONORRHEA AMONG MALES 15 TO 44 YEARS OLD, 2013-2015



The crude case rate of reported incidence of gonorrhea among males, ages 15 to 44 years old for California was 307.3 cases per 100,000 male population, ages 15 to 44 years old, or approximately one reported incidence of gonorrhea for every 325.4 males in the corresponding age group. The crude case rate for California was based on a 2013 through 2015 three-year average number of reported incidence of gonorrhea cases among males, ages 15 to 44 years old, equaling 25,507.3 and a corresponding male population count of 8,300,263 as of July 1, 2014.

Among counties with reliable rates, the crude case rate ranged from 1,217.7 in San Francisco County to 70.6 in Imperial County, a factor of 17.2 to 1.

Nineteen counties with reliable crude case rates met the Healthy People 2020 National Objective STD-6.2 of no more than 194.8 new reported incidence of gonorrhea cases per 100,000 male population, ages 15 to 44 years old. An additional sixteen counties with unreliable rates and one county with no reported incidence of gonorrhea among males, ages 15 to 44 years old met the objective. The California crude case rate for reported incidence of gonorrhea among males, ages 15 to 44 years old did not meet the national objective.

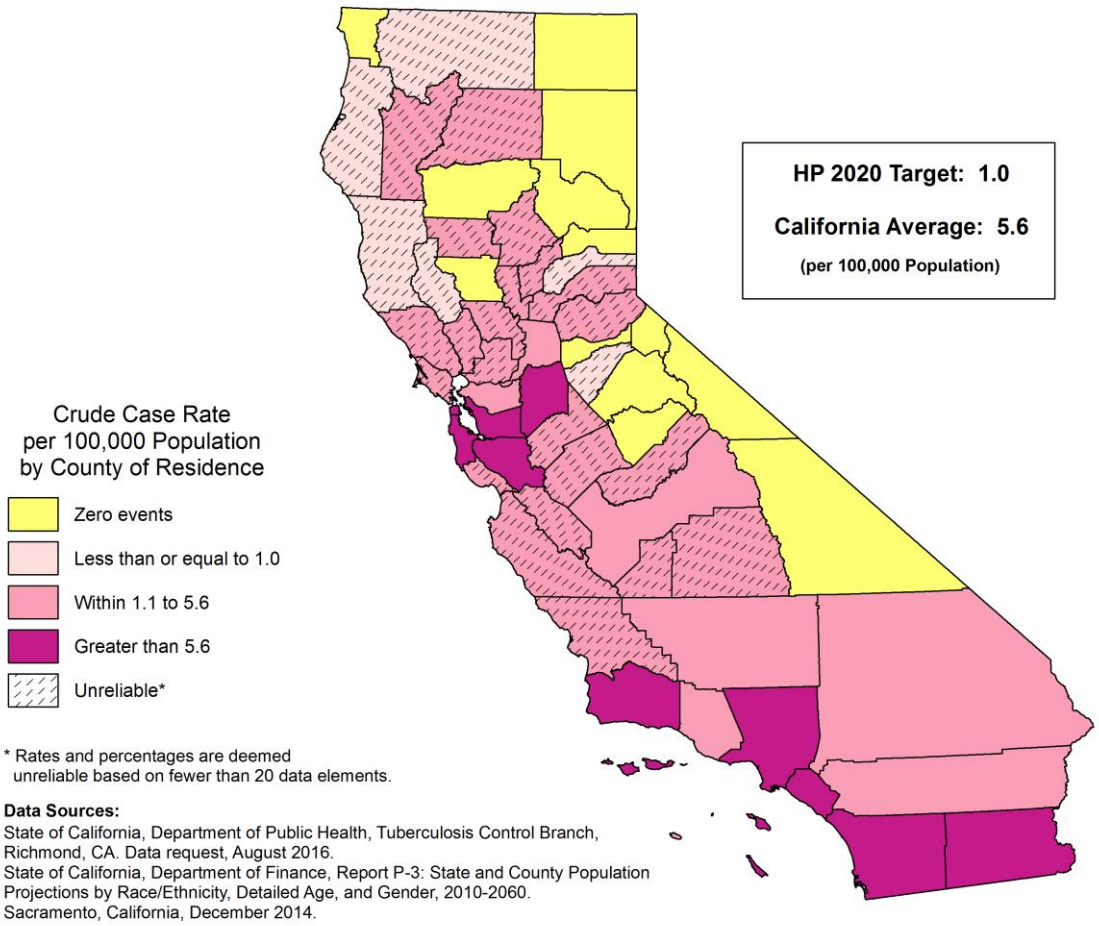
The California crude case rate of reported incidence of gonorrhea among males, ages 15 to 44 years old for the 2010-2012 period was 186.5 per 100,000 male population, ages 15 to 44 years old.

TABLE 22M
REPORTED INCIDENCE OF GONORRHEA AMONG MALES 15 TO 44 YEARS OLD
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 MALE POPULATION 15 TO 44 YRS OLD	2013-2015 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	ALPINE	173	0.0	-	-	-
2	MODOC	1,730	0.7	38.5 *	0.2	287.9
3	LASSEN	12,454	5.7	45.5 *	16.1	101.2
4	TRINITY	2,137	1.0	46.8 *	1.2	260.7
5	AMADOR	7,480	3.7	49.0 *	12.4	130.4
6	MARIPOSA	2,822	1.7	59.1 *	5.2	237.0
7	IMPERIAL	42,468	30.0	70.6	47.7	100.8
8	NEVADA	16,214	12.3	76.1 *	39.7	131.9
9	GLENN	5,670	4.3	76.4 *	22.3	189.1
10	PLUMAS	2,940	2.3	79.4 *	12.0	263.6
11	INYO	3,253	2.7	82.0 *	14.8	254.0
12	COLUSA	4,594	4.0	87.1 *	23.7	222.9
13	MONO	3,344	3.0	89.7 *	18.5	262.2
14	EL DORADO	31,556	28.3	89.8	59.8	129.5
15	DEL NORTE	7,218	7.0	97.0 *	39.0	199.8
16	PLACER	67,644	67.0	99.0	76.8	125.8
17	NAPA	28,379	28.7	101.0	67.5	145.4
18	TUOLUMNE	10,998	12.3	112.1 *	58.6	194.5
19	SANTA BARBARA	99,394	112.0	112.7	91.8	133.6
20	MENDOCINO	16,546	19.7	118.9 *	72.3	184.2
21	SAN LUIS OBISPO	60,043	73.7	122.7	96.3	154.1
22	VENTURA	173,811	226.7	130.4	113.4	147.4
23	CALAVERAS	6,896	9.0	130.5 *	59.7	247.7
24	MARIN	43,123	56.3	130.6	98.8	169.5
25	SISKIYOU	7,304	9.7	132.3 *	62.5	245.8
26	KINGS	43,436	62.3	143.5	110.1	183.8
27	SANTA CRUZ	57,856	85.7	148.1	118.4	182.9
28	SONOMA	97,820	146.0	149.3	125.0	173.5
29	MONTEREY	100,298	165.7	165.2	140.0	190.3
30	ORANGE	658,747	1,093.0	165.9	156.1	175.8
31	SAN BENITO	11,865	20.0	168.6	103.0	260.3
32	SUTTER	20,001	34.0	170.0	117.7	237.5
33	SAN MATEO	145,933	251.0	172.0	150.7	193.3
34	RIVERSIDE	483,118	864.0	178.8	166.9	190.8
35	MERCED	59,869	107.3	179.3	145.4	213.2
36	YOLO	49,472	91.7	185.3	149.3	227.3
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: STD-6.2			**194.8**		
37	SANTA CLARA	398,118	796.3	200.0	186.1	213.9
38	MADERA	31,252	62.7	200.5	154.0	256.7
39	YUBA	15,452	31.0	200.6	136.3	284.8
40	TULARE	100,224	219.3	218.8	189.9	247.8
41	SIERRA	439	1.0	227.8 *	5.8	1269.2
42	BUTTE	47,638	110.7	232.3	189.0	275.6
43	CONTRA COSTA	210,667	492.0	233.5	212.9	254.2
44	SAN BERNARDINO	461,785	1,130.0	244.7	230.4	259.0
45	TEHAMA	11,995	30.3	252.9	171.0	360.3
46	SAN DIEGO	730,769	1,940.0	265.5	253.7	277.3
47	LAKE	11,122	31.3	281.7	191.9	399.1
48	HUMBOLDT	30,027	88.0	293.1	235.1	361.1
49	SOLANO	87,777	258.3	294.3	258.4	330.2
	CALIFORNIA	**8,300,263**	**25,507.3**	**307.3**	**303.5**	**311.1**
50	STANISLAUS	113,078	350.7	310.1	277.7	342.6
51	SAN JOAQUIN	152,340	481.0	315.7	287.5	344.0
52	FRESNO	213,074	701.0	329.0	304.6	353.3
53	SACRAMENTO	306,392	1,086.7	354.7	333.6	375.8
54	ALAMEDA	334,012	1,273.0	381.1	360.2	402.1
55	KERN	206,349	801.3	388.3	361.5	415.2
56	LOS ANGELES	2,217,759	9,386.7	423.3	414.7	431.8
57	SHASTA	32,515	147.7	454.1	380.9	527.4
58	SAN FRANCISCO	200,873	2,446.0	1217.7	1169.4	1265.9

\- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health, STD Control Branch, Data Request, September, 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

REPORTED INCIDENCE OF TUBERCULOSIS, 2013-2015



The crude case rate of reported incidence of tuberculosis for California was 5.6 cases per 100,000 population, or approximately one reported incidence of tuberculosis for every 17,982.1 persons. The crude case rate for California was based on a 2013 through 2015 three-year average number of reported incidence of tuberculosis cases equaling 2,143.7 and a population count of 38,548,204 as of July 1, 2014. Among counties with reliable rates, the crude case rate of reported incidence of tuberculosis ranged from 19.3 in Imperial County to 2.5 in Riverside County, a factor of 7.8 to 1.

No counties with reliable crude case rates met the Healthy People 2020 National Objective IID-29 of no more than 1.0 new reported incidence of tuberculosis case per 100,000 population. Six counties with unreliable rates and thirteen counties with no reported incidence of tuberculosis cases met the objective. The statewide crude case rate for reported incidence of tuberculosis did not meet the national objective.

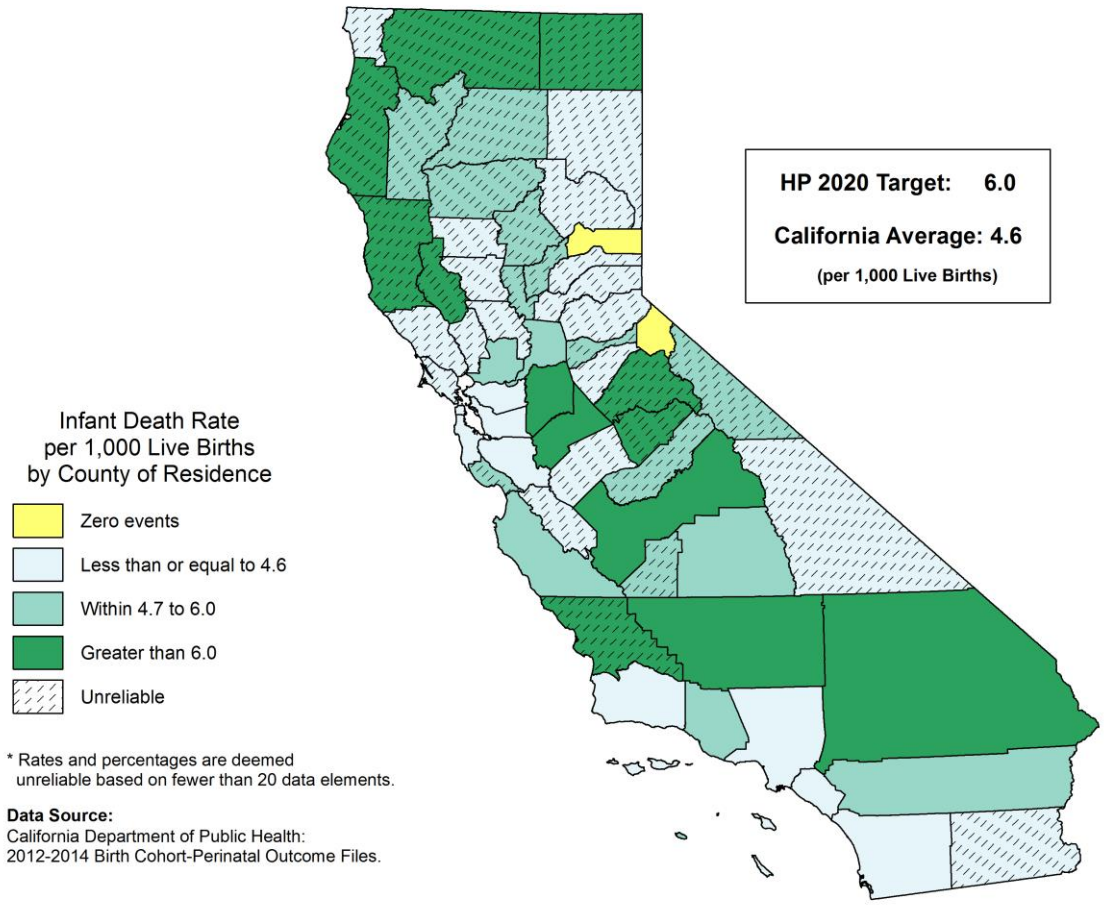
The California crude case rate of reported incidence of tuberculosis for the 2010-2012 period was 6.1 per 100,000 population.

TABLE 23
REPORTED INCIDENCE OF TUBERCULOSIS
RANKED BY THREE-YEAR AVERAGE CRUDE CASE RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 POPULATION	2013-2015 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
1	TEHAMA	64,827	0.0	-	-	-
2	TUOLUMNE	54,592	0.0	-	-	-
3	AMADOR	37,017	0.0	-	-	-
4	LASSEN	35,038	0.0	-	-	-
5	DEL NORTE	28,477	0.0	-	-	-
6	COLUSA	22,254	0.0	-	-	-
7	PLUMAS	19,416	0.0	-	-	-
8	INYO	19,244	0.0	-	-	-
9	MARIPOSA	18,091	0.0	-	-	-
10	MONO	14,440	0.0	-	-	-
11	MODOC	9,395	0.0	-	-	-
12	SIERRA	3,267	0.0	-	-	-
13	ALPINE	1,243	0.0	-	-	-
14	NEVADA	98,453	0.3	0.3 *	0.0	4.4
15	CALAVERAS	45,508	0.3	0.7 *	0.0	9.6
16	SISKIYOU	45,290	0.3	0.7 *	0.0	9.6
17	MENDOCINO	88,795	0.7	0.8 *	0.0	5.6
18	HUMBOLDT	136,779	1.3	1.0 *	0.1	4.5
19	LAKE	65,465	0.7	1.0 *	0.0	7.6
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: IID-29			**1.0**		
20	SAN LUIS OBISPO	272,941	3.0	1.1 *	0.2	3.2
21	PLACER	369,460	4.7	1.3 *	0.4	3.0
22	SANTA CRUZ	272,210	4.0	1.5 *	0.4	3.8
23	EL DORADO	184,320	3.0	1.6 *	0.3	4.8
24	SAN BENITO	58,222	1.0	1.7 *	0.0	9.6
25	SHASTA	179,305	3.3	1.9 *	0.4	5.2
26	BUTTE	224,518	4.3	1.9 *	0.6	4.8
27	SONOMA	497,260	9.7	1.9 *	0.9	3.6
28	NAPA	141,172	3.0	2.1 *	0.4	6.2
29	GLENN	28,868	0.7	2.3 *	0.0	17.3
30	TRINITY	13,782	0.3	2.4 *	0.0	31.6
31	RIVERSIDE	2,294,333	56.7	2.5	1.9	3.2
32	STANISLAUS	532,344	13.7	2.6 *	1.4	4.3
33	SUTTER	97,257	2.7	2.7 *	0.5	8.5
34	SAN BERNARDINO	2,096,123	59.3	2.8	2.2	3.6
35	KINGS	153,601	4.7	3.0 *	0.9	7.3
36	YUBA	74,258	2.3	3.1 *	0.5	10.4
37	TULARE	461,703	16.0	3.5 *	2.0	5.6
38	KERN	878,356	32.3	3.7	2.5	5.2
39	VENTURA	844,833	32.7	3.9	2.7	5.4
40	MADERA	154,829	6.0	3.9 *	1.4	8.4
41	MONTEREY	426,670	17.0	4.0 *	2.3	6.4
42	YOLO	208,069	8.3	4.0 *	1.8	7.8
43	MARIN	257,792	10.3	4.0 *	1.9	7.3
44	FRESNO	969,338	43.0	4.4	3.2	6.0
45	CONTRA COSTA	1,095,476	50.0	4.6	3.4	6.0
46	SOLANO	428,705	19.7	4.6 *	2.8	7.1
47	MERCED	266,444	12.3	4.6 *	2.4	8.0
48	SACRAMENTO	1,461,174	75.7	5.2	4.1	6.5
	CALIFORNIA	**38,548,204**	**2,143.7**	**5.6**	**5.3**	**5.8**
49	SANTA BARBARA	435,999	24.7	5.7	3.6	8.4
50	ORANGE	3,125,833	178.3	5.7	4.9	6.5
51	LOS ANGELES	10,082,664	656.0	6.5	6.0	7.0
52	SAN DIEGO	3,214,279	220.0	6.8	5.9	7.7
53	SAN JOAQUIN	713,961	51.7	7.2	5.4	9.5
54	ALAMEDA	1,582,119	126.0	8.0	6.6	9.4
55	SAN MATEO	747,334	63.0	8.4	6.5	10.8
56	SANTA CLARA	1,871,516	180.3	9.6	8.2	11.0
57	SAN FRANCISCO	840,391	105.0	12.5	10.1	14.9
58	IMPERIAL	183,154	35.3	19.3	13.5	26.8

\- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing case rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: State of California Department of Public Health, Tuberculosis Control Branch, Richmond, CA. Data request, August 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

INFANT MORTALITY, ALL RACE/ETHNIC GROUPS, 2012-2014



The California birth cohort infant death rate for all race/ethnic groups was 4.6 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 215.9 live births in the infant group. This rate was based on 2012 through 2014 three-year average numbers for all race/ethnic groups infant deaths equaling 2,318.0 and live births equaling 500,483.3

Among counties with reliable rates, the birth cohort infant death rate for all race/ethnic groups ranged from 7.4 in Fresno County to 2.3 in San Mateo County, a factor of 3.2 to 1.

Fifteen counties with reliable birth cohort infant death rates and California as a whole met the Healthy People 2020 National Objective MICH-1.3 of no more than 6.0 infant deaths per 1,000 live births. An additional twenty-eight counties with unreliable rates and two counties with no infant deaths met the objective.

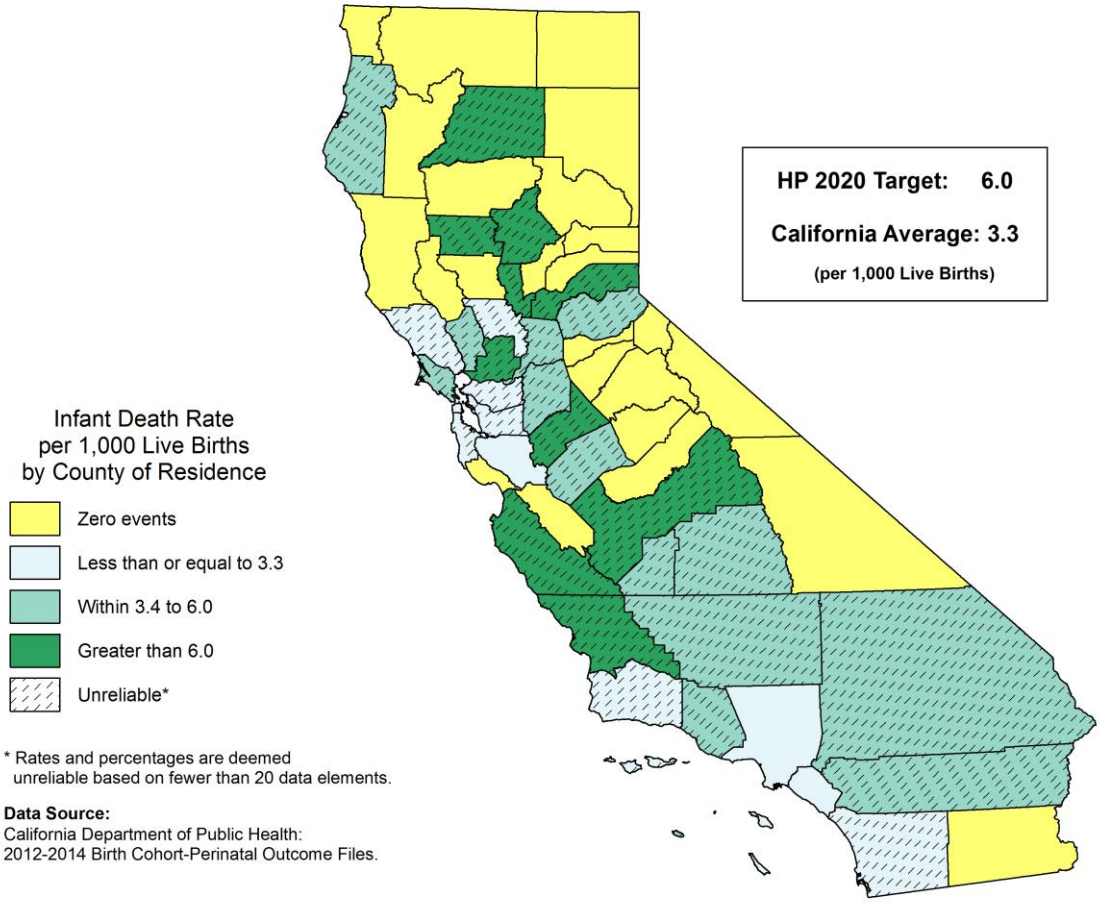
The California birth cohort infant death rate for all race/ethnic groups for the 2009-2011 period was 4.9 per 1,000 live births.

TABLE 24A
INFANT MORTALITY, ALL RACE/ETHNIC GROUPS
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2012-2014

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE LIVE BIRTHS	THREE-YEAR AVERAGE INFANT DEATHS	BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER
1	SIERRA	18.0	0.0	-	-	-
2	ALPINE	6.3	0.0	-	-	-
3	SAN MATEO	9,033.7	21.0	2.3	1.4	3.6
4	GLENN	394.3	1.0	2.5 *	0.1	14.1
5	EL DORADO	1,555.3	4.3	2.8 *	0.8	6.9
6	SONOMA	5,068.7	14.7	2.9 *	1.6	4.8
7	INYO	225.0	0.7	3.0 *	0.0	22.1
8	IMPERIAL	3,126.7	9.3	3.0 *	1.4	5.6
9	SAN BENITO	716.7	2.3	3.3 *	0.5	10.8
10	LASSEN	306.0	1.0	3.3 *	0.1	18.2
11	NEVADA	814.3	2.7	3.3 *	0.6	10.1
12	ORANGE	38,023.3	124.7	3.3	2.7	3.9
13	COLUSA	304.0	1.0	3.3 *	0.1	18.3
14	SAN FRANCISCO	8,995.0	29.7	3.3	2.2	4.7
15	SANTA CLARA	23,789.3	80.3	3.4	2.7	4.2
16	SANTA BARBARA	5,723.3	20.0	3.5	2.1	5.4
17	CALAVERAS	344.0	1.3	3.9 *	0.2	17.8
18	MERCED	4,210.3	17.0	4.0 *	2.4	6.5
19	SAN DIEGO	44,213.3	180.7	4.1	3.5	4.7
20	MARIN	2,343.3	9.7	4.1 *	1.9	7.7
21	NAPA	1,452.7	6.0	4.1 *	1.5	9.0
22	ALAMEDA	19,487.3	81.3	4.2	3.3	5.2
23	CONTRA COSTA	12,258.3	51.3	4.2	3.1	5.5
24	YOLO	2,446.3	10.3	4.2 *	2.1	7.7
25	DEL NORTE	313.7	1.3	4.3 *	0.2	19.6
26	LOS ANGELES	130,162.0	570.0	4.4	4.0	4.7
27	PLUMAS	150.0	0.7	4.4 *	0.0	33.2
28	PLACER	3,660.0	16.7	4.6 *	2.6	7.3
	CALIFORNIA	**500,483.3**	**2,318.0**	**4.6**	**4.4**	**4.8**
29	MONO	143.3	0.7	4.7 *	0.0	34.7
30	SHASTA	2,112.0	10.0	4.7 *	2.3	8.7
31	TEHAMA	769.0	3.7	4.8 *	1.2	12.7
32	AMADOR	279.0	1.3	4.8 *	0.3	22.0
33	MADERA	2,295.7	11.0	4.8 *	2.4	8.6
34	SANTA CRUZ	2,999.3	14.7	4.9 *	2.7	8.1
35	RIVERSIDE	30,178.7	148.3	4.9	4.1	5.7
36	SUTTER	1,287.3	6.3	4.9 *	1.9	10.5
37	MONTEREY	6,553.3	33.0	5.0	3.5	7.1
38	VENTURA	10,517.7	53.3	5.1	3.8	6.6
39	KINGS	2,364.7	12.0	5.1 *	2.6	8.9
40	SACRAMENTO	19,627.3	106.7	5.4	4.4	6.5
41	TULARE	7,757.3	42.7	5.5	4.0	7.4
42	YUBA	1,202.0	6.7	5.5 *	2.2	11.6
43	BUTTE	2,432.0	13.7	5.6 *	3.0	9.5
44	SOLANO	5,189.7	30.0	5.8	3.9	8.3
45	TRINITY	112.3	0.7	5.9 *	0.0	44.3
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-1.3			**6.0**		
46	SAN JOAQUIN	10,007.7	61.3	6.1	4.7	7.9
47	LAKE	750.0	4.7	6.2 *	1.9	14.9
48	SAN LUIS OBISPO	2,608.7	16.3	6.3 *	3.6	10.1
49	STANISLAUS	7,565.3	47.7	6.3	4.6	8.4
50	KERN	14,301.0	91.7	6.4	5.2	7.9
51	SISKIYOU	465.7	3.0	6.4 *	1.3	18.8
52	SAN BERNARDINO	30,737.7	198.7	6.5	5.6	7.4
53	HUMBOLDT	1,506.3	10.0	6.6 *	3.2	12.2
54	MARIPOSA	144.3	1.0	6.9 *	0.2	38.6
55	TUOLUMNE	463.0	3.3	7.2 *	1.7	20.0
56	FRESNO	15,830.7	117.3	7.4	6.1	8.8
57	MENDOCINO	1,064.7	8.0	7.5 *	3.2	14.8
58	MODOC	76.3	1.3	17.5 *	1.0	80.4

- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
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: 2012-2014 Birth Cohort-Perinatal Outcome Files.

ASIAN/PACIFIC ISLANDER INFANT MORTALITY, 2012-2014



The California birth cohort infant death rate for Asian/Pacific Islanders was 3.3 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 305.6 live births in the infant group. This rate was based on 2012 through 2014 three-year average numbers for Asian/Pacific Islanders' infant deaths equaling 237.3 and live births equaling 72,536.7.

Among counties with reliable rates, the birth cohort infant death rate for Asian/Pacific Islanders ranged from 3.1 in Los Angeles County to 2.6 in Orange County and Santa Clara County, a factor of 1.2 to 1.

Three counties with reliable birth cohort infant death rates and California as a whole met the Healthy People 2020 National Objective MICH-1.3 of no more than 6.0 infant deaths per 1,000 live births. An additional twenty-one counties with unreliable rates and twenty-four counties with no infant deaths met the objective.

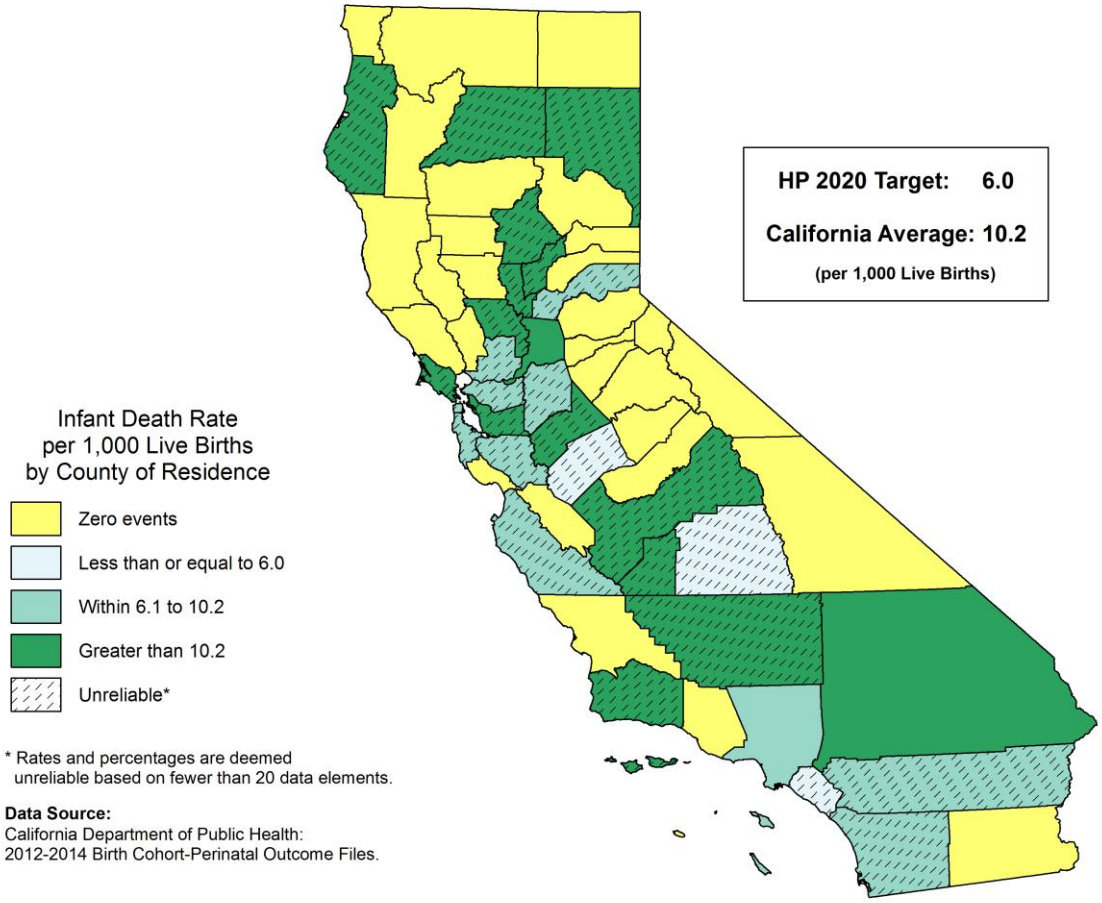
The California birth cohort infant death rate for Asian/Pacific Islanders for the 2009-2011 period was 3.9 per 1,000 live births.

TABLE 24B
ASIAN/PACIFIC ISLANDER INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2012-2014

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE LIVE BIRTHS	THREE-YEAR AVERAGE INFANT DEATHS	BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER
1	YUBA	98.3	0.0	-	-	-
2	SANTA CRUZ	96.0	0.0	-	-	-
3	MADERA	37.0	0.0	-	-	-
4	IMPERIAL	25.7	0.0	-	-	-
5	DEL NORTE	19.0	0.0	-	-	-
6	MENDOCINO	18.7	0.0	-	-	-
7	SAN BENITO	16.3	0.0	-	-	-
8	NEVADA	14.3	0.0	-	-	-
9	LAKE	10.0	0.0	-	-	-
10	TEHAMA	10.0	0.0	-	-	-
11	LASSEN	9.3	0.0	-	-	-
12	SISKIYOU	8.0	0.0	-	-	-
13	TUOLUMNE	7.7	0.0	-	-	-
14	AMADOR	4.7	0.0	-	-	-
15	CALAVERAS	4.3	0.0	-	-	-
16	MONO	3.7	0.0	-	-	-
17	INYO	3.0	0.0	-	-	-
18	PLUMAS	2.7	0.0	-	-	-
19	COLUSA	2.0	0.0	-	-	-
20	TRINITY	1.7	0.0	-	-	-
21	MARIPOSA	1.3	0.0	-	-	-
22	MODOC	0.3	0.0	-	-	-
23	SIERRA	0.3	0.0	-	-	-
24	ALPINE	0.0	0.0	-	-	-
25	SONOMA	233.7	0.3	1.4 *	0.0	18.7
26	SANTA BARBARA	226.7	0.3	1.5 *	0.0	19.2
27	YOLO	294.3	0.7	2.3 *	0.0	16.9
28	SAN MATEO	2,789.0	6.7	2.4 *	0.9	5.0
29	SAN FRANCISCO	2,886.3	7.3	2.5 *	1.0	5.2
30	SAN DIEGO	4,849.3	12.3	2.5 *	1.3	4.4
31	ORANGE	8,002.3	20.7	2.6	1.6	4.0
32	SANTA CLARA	8,901.0	23.0	2.6	1.6	3.9
33	CONTRA COSTA	1,939.3	5.3	2.8 *	0.9	6.3
34	ALAMEDA	5,972.3	18.3	3.1 *	1.8	4.8
35	LOS ANGELES	20,568.7	63.7	3.1	2.4	4.0
	CALIFORNIA	**72,536.7**	**237.3**	**3.3**	**2.9**	**3.7**
36	VENTURA	695.0	2.3	3.4 *	0.5	11.1
37	MARIN	197.3	0.7	3.4 *	0.0	25.2
38	NAPA	97.0	0.3	3.4 *	0.0	44.9
39	RIVERSIDE	1,869.3	7.7	4.1 *	1.7	8.2
40	SACRAMENTO	3,503.7	14.7	4.2 *	2.3	6.9
41	TULARE	238.3	1.0	4.2 *	0.1	23.4
42	KERN	541.0	2.3	4.3 *	0.7	14.3
43	KINGS	76.0	0.3	4.4 *	0.0	57.3
44	SAN BERNARDINO	2,190.7	10.0	4.6 *	2.2	8.4
45	MERCED	337.0	1.7	4.9 *	0.4	19.8
46	EL DORADO	67.0	0.3	5.0 *	0.0	65.0
47	SAN JOAQUIN	1,540.7	8.0	5.2 *	2.2	10.2
48	HUMBOLDT	59.3	0.3	5.6 *	0.0	73.5
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-1.3			**6.0**		
49	SOLANO	704.3	4.3	6.2 *	1.8	15.2
50	MONTEREY	266.7	1.7	6.3 *	0.6	25.1
51	STANISLAUS	426.0	2.7	6.3 *	1.1	19.4
52	SUTTER	203.3	1.3	6.6 *	0.4	30.2
53	BUTTE	179.3	1.3	7.4 *	0.4	34.2
54	FRESNO	1,822.3	13.7	7.5 *	4.1	12.7
55	PLACER	293.0	2.3	8.0 *	1.2	26.4
56	SAN LUIS OBISPO	78.7	0.7	8.5 *	0.0	63.3
57	SHASTA	78.7	0.7	8.5 *	0.0	63.3
58	GLENN	14.7	0.3	22.7 *	0.0	297.2

- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
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: 2012-2014 Birth Cohort-Perinatal Outcome Files.

BLACK INFANT MORTALITY, 2012-2014



The California birth cohort infant death rate for Blacks was 10.2 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 98.3 live births in the infant group. This rate was based on 2012 through 2014 three-year average numbers of Black infant deaths equaling 263.3 and live births equaling 25,878.3.

Among counties with reliable rates, the birth cohort infant death rate for Blacks ranged from 14.0 in San Bernardino County to 9.2 in Los Angeles County, a factor of 1.5 to 1.

No counties with reliable birth cohort infant death rates met the Healthy People 2020 National Objective MICH-1.3 of no more than 6.0 infant deaths per 1,000 live births. Three counties with unreliable rates and twenty-eight counties with no infant deaths met the objective. The statewide birth cohort infant death rate for Blacks did not meet the national objective.

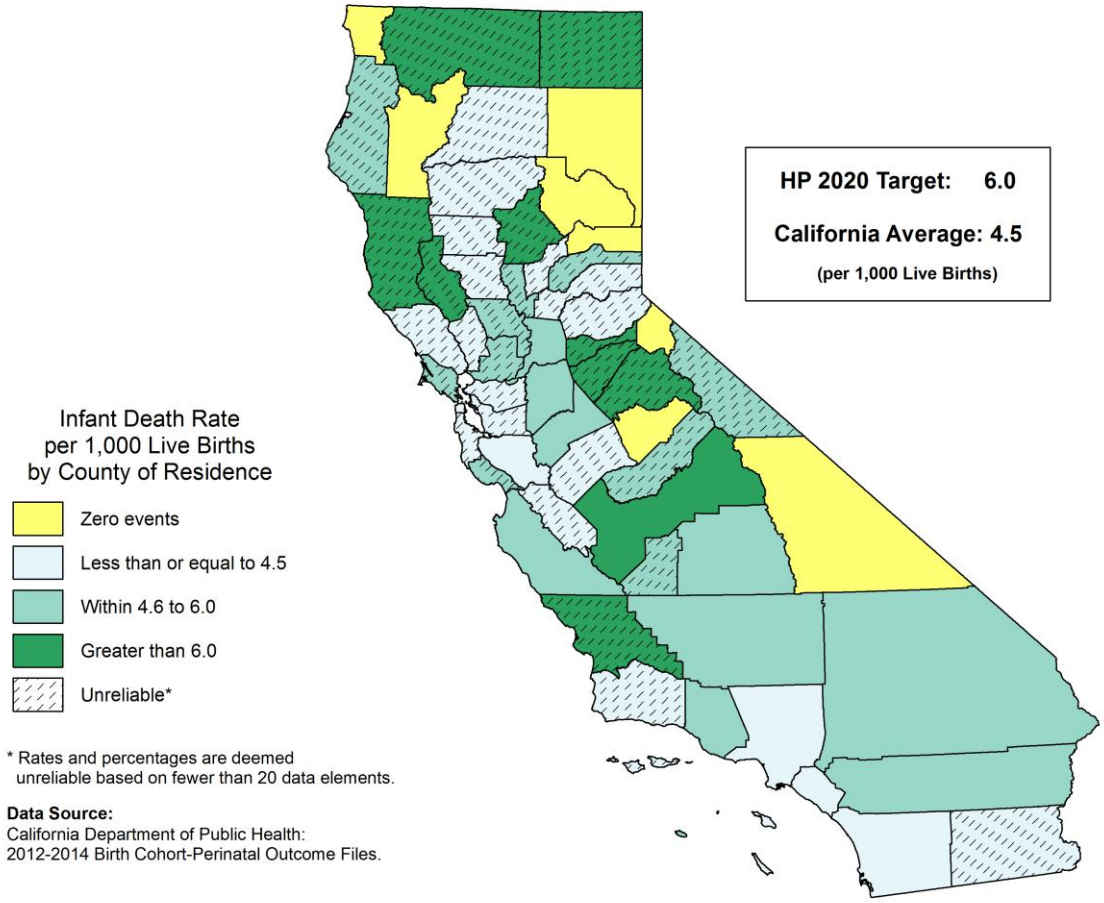
The California birth cohort infant death rate for Blacks for the 2009-2011 period was 10.1 per 1,000 live births.

TABLE 24C
BLACK INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2012-2014

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE LIVE BIRTHS	THREE-YEAR AVERAGE INFANT DEATHS	BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER
1	VENTURA	110.3	0.0	-	-	-
2	SONOMA	62.0	0.0	-	-	-
3	MADERA	35.0	0.0	-	-	-
4	IMPERIAL	23.7	0.0	-	-	-
5	SAN LUIS OBISPO	17.3	0.0	-	-	-
6	NAPA	16.3	0.0	-	-	-
7	SANTA CRUZ	16.3	0.0	-	-	-
8	LAKE	14.7	0.0	-	-	-
9	EL DORADO	7.0	0.0	-	-	-
10	SISKIYOU	5.7	0.0	-	-	-
11	MENDOCINO	5.3	0.0	-	-	-
12	NEVADA	4.0	0.0	-	-	-
13	SAN BENITO	2.3	0.0	-	-	-
14	TEHAMA	2.3	0.0	-	-	-
15	CALAVERAS	1.7	0.0	-	-	-
16	TUOLUMNE	1.7	0.0	-	-	-
17	AMADOR	1.3	0.0	-	-	-
18	PLUMAS	1.3	0.0	-	-	-
19	GLENN	1.0	0.0	-	-	-
20	COLUSA	0.7	0.0	-	-	-
21	DEL NORTE	0.7	0.0	-	-	-
22	INYO	0.7	0.0	-	-	-
23	MARIPOSA	0.7	0.0	-	-	-
24	ALPINE	0.0	0.0	-	-	-
25	MODOC	0.0	0.0	-	-	-
26	MONO	0.0	0.0	-	-	-
27	SIERRA	0.0	0.0	-	-	-
28	TRINITY	0.0	0.0	-	-	-
29	MERCED	113.0	0.3	2.9 *	0.0	38.6
30	TULARE	80.0	0.3	4.2 *	0.0	54.5
31	ORANGE	437.7	2.3	5.3 *	0.8	17.7
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-1.3			**6.0**		
32	SANTA CLARA	452.0	3.3	7.4 *	1.7	20.5
33	RIVERSIDE	1,626.7	14.0	8.6 *	4.7	14.4
34	SOLANO	643.0	5.7	8.8 *	3.1	19.6
35	SAN JOAQUIN	728.0	6.7	9.2 *	3.6	19.2
36	LOS ANGELES	9,305.7	85.3	9.2	7.3	11.3
37	PLACER	36.3	0.3	9.2 *	0.0	120.0
38	SAN DIEGO	1,875.3	17.3	9.2 *	5.4	14.7
39	SAN MATEO	108.0	1.0	9.3 *	0.2	51.6
40	CONTRA COSTA	1,028.3	9.7	9.4 *	4.4	17.5
41	SAN FRANCISCO	417.0	4.0	9.6 *	2.6	24.6
42	MONTEREY	67.0	0.7	10.0 *	0.1	74.3
	CALIFORNIA	**25,878.3**	**263.3**	**10.2**	**8.9**	**11.4**
43	ALAMEDA	1,910.0	19.7	10.3 *	6.3	16.0
44	SACRAMENTO	2,000.0	22.0	11.0	6.9	16.7
45	YUBA	30.0	0.3	11.1 *	0.0	145.3
46	KINGS	85.3	1.0	11.7 *	0.3	65.3
47	KERN	807.3	10.3	12.8 *	6.2	23.3
48	SANTA BARBARA	48.0	0.7	13.9 *	0.1	103.8
49	SAN BERNARDINO	2,589.7	36.3	14.0	9.8	19.4
50	STANISLAUS	154.0	2.3	15.2 *	2.3	50.3
51	MARIN	41.3	0.7	16.1 *	0.1	120.5
52	YOLO	57.0	1.0	17.5 *	0.4	97.7
53	FRESNO	817.3	15.0	18.4 *	10.3	30.3
54	SUTTER	17.0	0.3	19.6 *	0.0	256.4
55	BUTTE	33.3	0.7	20.0 *	0.1	149.4
56	HUMBOLDT	16.7	0.7	40.0 *	0.2	298.8
57	SHASTA	17.7	1.0	56.6 *	1.4	315.4
58	LASSEN	3.7	0.3	90.9 *	0.0	1188.6

- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
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: 2012-2014 Birth Cohort-Perinatal Outcome Files.

HISPANIC INFANT MORTALITY, 2012-2014



The California birth cohort infant death rate for Hispanics was 4.5 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 220.5 live births in the infant group. This rate was based on 2012 through 2014 three-year average numbers of Hispanic infant deaths equaling 1,088.7 and live births equaling 240,078.3.

Among counties with reliable rates, the birth cohort infant death rate for Hispanics ranged from 6.6 in Fresno County to 3.4 in San Diego County, a factor of 2.0 to 1.

Thirteen counties with reliable birth cohort infant death rates and California as a whole met the Healthy People 2020 National Objective MICH-1.3 of no more than 6.0 infant deaths per 1,000 live births. An additional twenty-seven counties with unreliable rates and eight counties with no infant deaths met the objective.

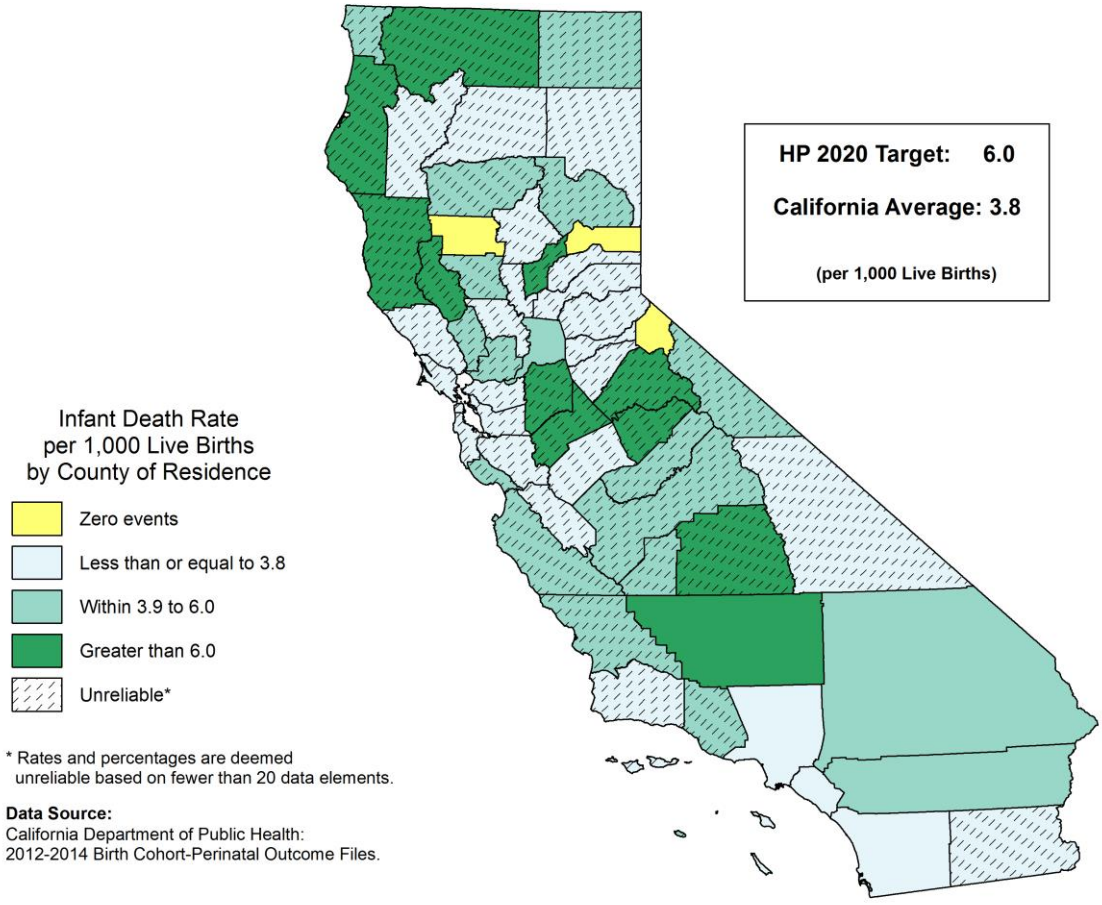
The California birth cohort infant death rate for Hispanics for the 2009-2011 period was 4.7 per 1,000 live births.

TABLE 24D
HISPANIC INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2012-2014

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE LIVE BIRTHS	THREE-YEAR AVERAGE INFANT DEATHS	BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER
1	INYO	61.7	0.0	-	-	-
2	DEL NORTE	53.7	0.0	-	-	-
3	LASSEN	41.3	0.0	-	-	-
4	MARIPOSA	20.7	0.0	-	-	-
5	PLUMAS	15.0	0.0	-	-	-
6	TRINITY	6.7	0.0	-	-	-
7	SIERRA	3.3	0.0	-	-	-
8	ALPINE	0.0	0.0	-	-	-
9	COLUSA	216.7	0.3	1.5 *	0.0	20.1
10	IMPERIAL	2,827.0	6.7	2.4 *	0.9	4.9
11	EL DORADO	276.0	0.7	2.4 *	0.0	18.0
12	SAN BENITO	500.7	1.3	2.7 *	0.1	12.3
13	SAN MATEO	2,474.7	7.0	2.8 *	1.1	5.8
14	SONOMA	1,906.0	6.0	3.1 *	1.2	6.9
15	SHASTA	206.7	0.7	3.2 *	0.0	24.1
16	GLENN	206.3	0.7	3.2 *	0.0	24.1
17	ALAMEDA	5,375.3	18.0	3.3 *	2.0	5.3
18	SAN DIEGO	18,014.7	60.7	3.4	2.6	4.3
19	NAPA	736.3	2.7	3.6 *	0.7	11.2
20	YUBA	357.0	1.3	3.7 *	0.2	17.2
21	ORANGE	17,100.7	65.0	3.8	2.9	4.8
22	SAN FRANCISCO	1,645.3	6.3	3.8 *	1.5	8.2
23	CONTRA COSTA	4,123.7	16.0	3.9 *	2.2	6.3
24	TEHAMA	253.3	1.0	3.9 *	0.1	22.0
25	SANTA CLARA	7,749.3	30.7	4.0	2.7	5.6
26	SANTA BARBARA	3,702.3	14.7	4.0 *	2.2	6.6
27	PLACER	663.3	2.7	4.0 *	0.7	12.5
28	MERCED	2,785.7	11.3	4.1 *	2.1	7.2
29	LOS ANGELES	73,386.3	321.0	4.4	3.9	4.9
	CALIFORNIA	**240,078.3**	**1,088.7**	**4.5**	**4.3**	**4.8**
30	KINGS	1,434.0	6.7	4.6 *	1.8	9.7
31	MONTEREY	4,866.7	22.7	4.7	2.9	7.0
32	HUMBOLDT	212.7	1.0	4.7 *	0.1	26.2
33	RIVERSIDE	17,415.3	83.0	4.8	3.8	5.9
34	MADERA	1,674.7	8.0	4.8 *	2.1	9.4
35	SACRAMENTO	5,365.3	25.7	4.8	3.1	7.0
36	YOLO	961.0	4.7	4.9 *	1.5	11.7
37	SANTA CRUZ	1,643.3	8.0	4.9 *	2.1	9.6
38	TULARE	5,629.7	27.7	4.9	3.3	7.1
39	MARIN	661.7	3.3	5.0 *	1.2	14.0
40	MONO	66.0	0.3	5.1 *	0.0	66.0
41	SOLANO	1,733.7	9.0	5.2 *	2.4	9.9
42	NEVADA	128.0	0.7	5.2 *	0.0	38.9
43	SUTTER	504.7	2.7	5.3 *	1.0	16.4
44	VENTURA	6,063.0	32.3	5.3	3.7	7.5
45	SAN JOAQUIN	4,838.3	26.3	5.4	3.6	8.0
46	KERN	8,676.0	48.7	5.6	4.1	7.4
47	SAN BERNARDINO	17,714.7	101.0	5.7	4.6	6.8
48	STANISLAUS	4,078.3	23.7	5.8	3.7	8.7
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-1.3			**6.0**		
49	MENDOCINO	371.3	2.3	6.3 *	1.0	20.9
50	BUTTE	463.7	3.0	6.5 *	1.3	18.9
51	FRESNO	9,535.3	62.7	6.6	5.0	8.4
52	SAN LUIS OBISPO	873.0	6.3	7.3 *	2.8	15.5
53	LAKE	210.3	1.7	7.9 *	0.7	31.8
54	SISKIYOU	78.7	0.7	8.5 *	0.0	63.3
55	CALAVERAS	39.0	0.3	8.5 *	0.0	111.8
56	TUOLUMNE	75.0	0.7	8.9 *	0.0	66.4
57	AMADOR	43.7	0.7	15.3 *	0.1	114.1
58	MODOC	11.7	0.3	28.6 *	0.0	373.6

- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
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: 2012-2014 Birth Cohort-Perinatal Outcome Files.

WHITE INFANT MORTALITY, 2012-2014



The California birth cohort infant death rate for Whites was 3.8 deaths per 1,000 live births, a risk of dying equivalent to approximately one infant death for every 263.3 live births in the infant group. This rate was based on 2012 through 2014 three-year average numbers of White infant deaths equaling 524.3 and live births equaling 138,063.3.

Among counties with reliable rates, the birth cohort infant death rate for Whites ranged from 6.8 in Kern County to 2.6 in Orange County, a factor of 2.6 to 1.

Six counties with reliable birth cohort infant death rates and California as a whole met the Healthy People 2020 National Objective MICH-1.3 of no more than 6.0 infant deaths per 1,000 live births. An additional thirty-eight counties with unreliable rates and three counties with no infant deaths met the objective.

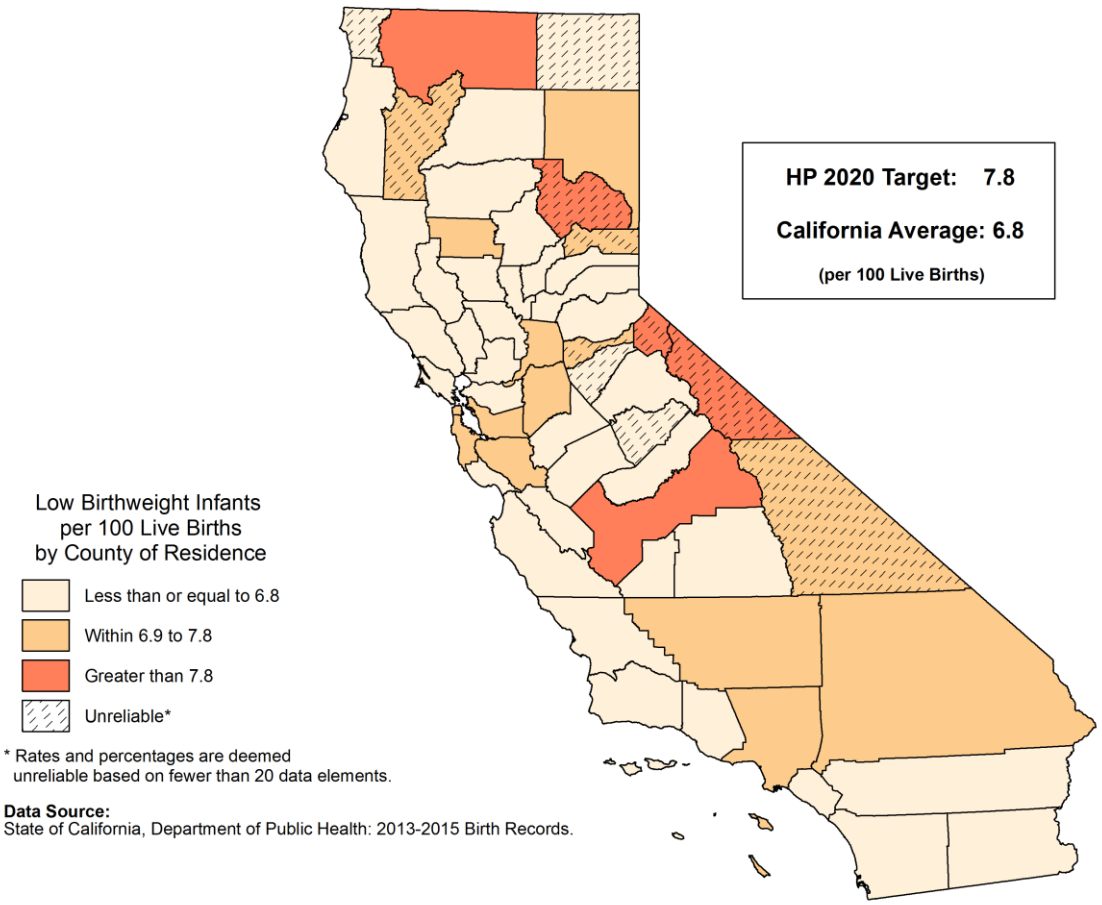
The California birth cohort infant death rate for Whites for the 2009-2011 period was 4.1 per 1,000 live births.

TABLE 24E
WHITE INFANT MORTALITY
RANKED BY THREE-YEAR AVERAGE BIRTH COHORT INFANT DEATH RATE
CALIFORNIA COUNTIES, 2012-2014

RANK ORDER	COUNTY OF RESIDENCE	THREE-YEAR AVERAGE LIVE BIRTHS	THREE-YEAR AVERAGE INFANT DEATHS	BIRTH COHORT INFANT DEATH RATE	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER
1	GLENN	159.7	0.0	-	-	-
2	SIERRA	13.7	0.0	-	-	-
3	ALPINE	2.3	0.0	-	-	-
4	SAN MATEO	2,627.3	2.0	0.8 *	0.1	2.7
5	SANTA BARBARA	1,586.7	3.0	1.9 *	0.4	5.5
6	SONOMA	2,357.0	5.0	2.1 *	0.7	5.0
7	ORANGE	11,215.0	28.7	2.6	1.7	3.7
8	SANTA CLARA	5,178.0	13.7	2.6 *	1.4	4.5
9	SAN FRANCISCO	3,635.7	9.7	2.7 *	1.3	4.9
10	EL DORADO	1,126.7	3.0	2.7 *	0.5	7.8
11	SHASTA	1,644.0	4.7	2.8 *	0.9	6.8
12	INYO	116.3	0.3	2.9 *	0.0	37.5
13	LASSEN	228.3	0.7	2.9 *	0.0	21.8
14	MERCED	898.0	2.7	3.0 *	0.5	9.2
15	LOS ANGELES	23,099.0	68.7	3.0	2.3	3.8
16	MARIN	1,333.0	4.0	3.0 *	0.8	7.7
17	PLACER	2,484.7	7.7	3.1 *	1.3	6.2
18	AMADOR	210.3	0.7	3.2 *	0.0	23.7
19	SAN DIEGO	15,246.0	48.7	3.2	2.4	4.2
20	NEVADA	623.0	2.0	3.2 *	0.4	11.6
21	ALAMEDA	4,640.7	15.0	3.2 *	1.8	5.3
22	SUTTER	510.0	1.7	3.3 *	0.3	13.1
23	CONTRA COSTA	4,239.0	14.3	3.4 *	1.9	5.6
24	IMPERIAL	192.3	0.7	3.5 *	0.0	25.9
25	BUTTE	1,594.0	5.7	3.6 *	1.3	7.9
26	YOLO	1,015.3	3.7	3.6 *	0.9	9.6
27	TRINITY	92.0	0.3	3.6 *	0.0	47.4
28	CALAVERAS	273.7	1.0	3.7 *	0.1	20.4
29	SAN BENITO	178.3	0.7	3.7 *	0.0	27.9
	CALIFORNIA	**138,063.3**	**524.3**	**3.8**	**3.5**	**4.1**
30	VENTURA	3,337.3	13.0	3.9 *	2.1	6.7
31	SOLANO	1,700.7	7.0	4.1 *	1.7	8.5
32	RIVERSIDE	8,099.3	34.0	4.2	2.9	5.9
33	SACRAMENTO	7,508.0	32.7	4.4	3.0	6.1
34	SANTA CRUZ	1,146.3	5.0	4.4 *	1.4	10.2
35	COLUSA	76.0	0.3	4.4 *	0.0	57.3
36	MONTEREY	1,186.0	5.7	4.8 *	1.7	10.6
37	MONO	68.7	0.3	4.9 *	0.0	63.5
38	NAPA	546.3	2.7	4.9 *	0.9	15.1
39	TEHAMA	469.3	2.3	5.0 *	0.8	16.5
40	KINGS	670.0	3.7	5.5 *	1.4	14.6
41	DEL NORTE	180.0	1.0	5.6 *	0.1	31.0
42	MADERA	477.3	2.7	5.6 *	1.0	17.3
43	PLUMAS	118.7	0.7	5.6 *	0.0	42.0
44	SAN LUIS OBISPO	1,524.7	9.0	5.9 *	2.7	11.2
45	SAN BERNARDINO	7,320.7	43.3	5.9	4.3	8.0
46	FRESNO	3,139.3	18.7	5.9 *	3.6	9.3
47	MODOC	55.7	0.3	6.0 *	0.0	78.3
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-1.3			**6.0**		
48	HUMBOLDT	986.0	6.0	6.1 *	2.2	13.2
49	STANISLAUS	2,587.3	16.3	6.3 *	3.6	10.2
50	TUOLUMNE	349.0	2.3	6.7 *	1.0	22.2
51	LAKE	447.3	3.0	6.7 *	1.4	19.6
52	SAN JOAQUIN	2,435.3	16.3	6.7 *	3.9	10.8
53	YUBA	641.0	4.3	6.8 *	2.0	16.7
54	KERN	3,889.7	26.3	6.8	4.4	9.9
55	TULARE	1,605.7	11.3	7.1 *	3.6	12.5
56	SISKIYOU	320.0	2.3	7.3 *	1.1	24.2
57	MENDOCINO	548.0	4.7	8.5 *	2.6	20.4
58	MARIPOSA	109.7	1.0	9.1 *	0.2	50.8

\- Rates, percentages, and confidence limits are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
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: 2012-2014 Birth Cohort-Perinatal Outcome Files.

LOW BIRTHWEIGHT INFANTS, 2013-2015



The percentage of low birthweight infants for California was 6.8 per 100 live births, or about one infant with low birthweight for every 14.7 live births. The percentage for California was based on a 2013 through 2015 three-year average number of low birthweight infants equaling 33,739.0 and live births count of 496,349.

Among counties with reliable percentages, the percentage of low birthweight infants ranged from 8.5 in Siskiyou County to 5.4 in Imperial County, a factor of 1.6 to 1.

Forty-five counties with reliable percentages and California as a whole met the Healthy People 2020 National Objective MICH-8.1 of reducing the incidence of low birthweight infants to no more than 7.8 percent of live births. An additional eight counties with unreliable percentages met the objective.

The California percentage of low birthweight infants for the 2010-2012 period was 6.8 per 100 live births.

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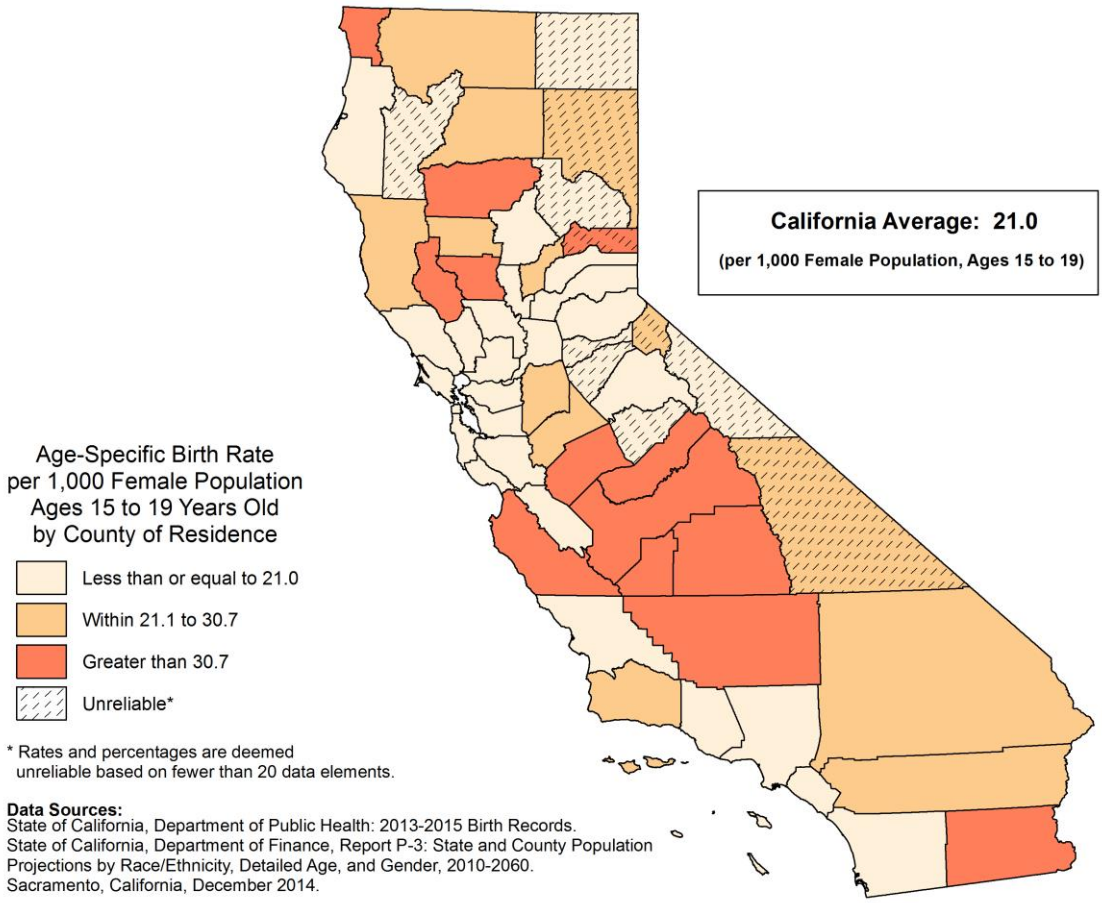
TABLE 25
LOW BIRTHWEIGHT INFANTS
RANKED BY THREE-YEAR AVERAGE LOW BIRTHWEIGHT PERCENTAGE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2013-2015 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
			LOW BIRTHWEIGHT			
		LIVE BIRTHS	NUMBER	PERCENT	LOWER	UPPER
1	CALAVERAS	354.7	19.0	5.4 *	3.2	8.4
2	IMPERIAL	3,184.3	173.3	5.4	4.6	6.3
3	PLACER	3,691.0	204.7	5.5	4.8	6.3
4	HUMBOLDT	1,483.3	83.0	5.6	4.5	6.9
5	SONOMA	5,024.3	283.0	5.6	5.0	6.3
6	YOLO	2,429.3	138.3	5.7	4.7	6.6
7	SANTA CRUZ	2,918.3	167.7	5.7	4.9	6.6
8	NAPA	1,460.7	85.0	5.8	4.6	7.2
9	DEL NORTE	313.0	18.3	5.9 *	3.5	9.2
10	MADERA	2,284.0	134.7	5.9	4.9	6.9
11	SHASTA	2,099.0	125.3	6.0	4.9	7.0
12	MENDOCINO	1,028.0	62.3	6.1	4.7	7.8
13	MERCED	4,141.3	251.7	6.1	5.3	6.8
14	SAN LUIS OBISPO	2,636.7	161.7	6.1	5.2	7.1
15	MONTEREY	6,476.7	398.0	6.1	5.5	6.7
16	TEHAMA	789.3	48.7	6.2	4.6	8.2
17	SANTA BARBARA	5,751.3	354.7	6.2	5.5	6.8
18	MARIN	2,337.0	145.3	6.2	5.2	7.2
19	STANISLAUS	7,596.7	474.0	6.2	5.7	6.8
20	NEVADA	836.3	52.3	6.3	4.7	8.2
21	BUTTE	2,445.7	153.3	6.3	5.3	7.3
22	ORANGE	37,828.3	2,374.3	6.3	6.0	6.5
23	KINGS	2,337.0	147.3	6.3	5.3	7.3
24	VENTURA	10,324.7	651.3	6.3	5.8	6.8
25	MARIPOSA	146.0	9.3	6.4 *	3.0	12.0
26	YUBA	1,182.7	76.0	6.4	5.1	8.0
27	SUTTER	1,301.3	83.7	6.4	5.1	8.0
28	MODOC	77.7	5.0	6.4 *	2.1	15.0
29	SAN DIEGO	44,059.3	2,846.7	6.5	6.2	6.7
30	EL DORADO	1,582.3	104.0	6.6	5.3	7.8
31	TUOLUMNE	464.7	30.7	6.6	4.5	9.4
32	RIVERSIDE	30,236.7	2,004.0	6.6	6.3	6.9
33	COLUSA	298.7	20.0	6.7	4.1	10.3
34	SAN BENITO	722.7	48.7	6.7	5.0	8.9
35	SOLANO	5,212.7	351.3	6.7	6.0	7.4
36	TULARE	7,560.3	513.3	6.8	6.2	7.4
37	CONTRA COSTA	12,435.0	846.0	6.8	6.3	7.3
38	LAKE	743.3	50.7	6.8	5.1	9.0
	CALIFORNIA	**496,349.0**	**33,739.0**	**6.8**	**6.7**	**6.9**
39	SACRAMENTO	19,557.0	1,341.3	6.9	6.5	7.2
40	AMADOR	285.7	19.7	6.9 *	4.2	10.7
41	SAN FRANCISCO	8,959.7	621.3	6.9	6.4	7.5
42	SAN MATEO	8,986.0	626.3	7.0	6.4	7.5
43	SANTA CLARA	23,480.0	1,645.7	7.0	6.7	7.3
44	LOS ANGELES	127,699.7	9,057.0	7.1	6.9	7.2
45	INYO	219.7	15.7	7.1 *	4.0	11.6
46	GLENN	397.0	28.3	7.1	4.8	10.3
47	ALAMEDA	19,447.7	1,393.7	7.2	6.8	7.5
48	SAN JOAQUIN	9,959.3	715.3	7.2	6.7	7.7
49	KERN	14,030.7	1,013.0	7.2	6.8	7.7
50	SAN BERNARDINO	30,708.7	2,229.3	7.3	7.0	7.6
51	SIERRA	22.0	1.7	7.6 *	0.7	30.4
52	TRINITY	104.7	8.0	7.6 *	3.3	15.1
53	LASSEN	304.7	23.7	7.8	5.0	11.6
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-8.1			**7.8**		
54	FRESNO	15,630.0	1,234.0	7.9	7.5	8.3
55	SISKIYOU	453.3	38.3	8.5	6.0	11.6
56	MONO	150.3	13.3	8.9 *	4.8	15.1
57	PLUMAS	154.0	16.0	10.4 *	5.9	16.9
58	ALPINE	4.7	0.7	14.3 *	0.1	100.0

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing low birthweight percentage (calculated to 15 decimal places), second by decreasing size of the total number of live births.
Source: California Department of Public Health: 2013-2015 Birth Records.

BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD, 2013-2015



The age-specific birth rate to adolescent mothers, ages 15 to 19 years old, for California was 21.0 births per 1,000 female population, ages 15 to 19 years old, or approximately one birth for every 47.6 females in the corresponding age group. The age specific birth rate for California was based on a 2013 through 2015 three-year average number of births to adolescent mothers, ages 15 to 19 years old, equaling 27,235.0 and a population count for females, ages 15 to 19 years old, of 1,296,883 as of July 1, 2014.

Among counties with reliable rates, the age-specific birth rate of births to adolescent mothers, ages 15 to 19 years old, ranged from 43.2 in Imperial County to 6.6 in Marin County, a factor of 6.6 to 1.

A Healthy People 2020 National Objective for births to adolescent mothers, ages 15 to 19 years old, has not been established.

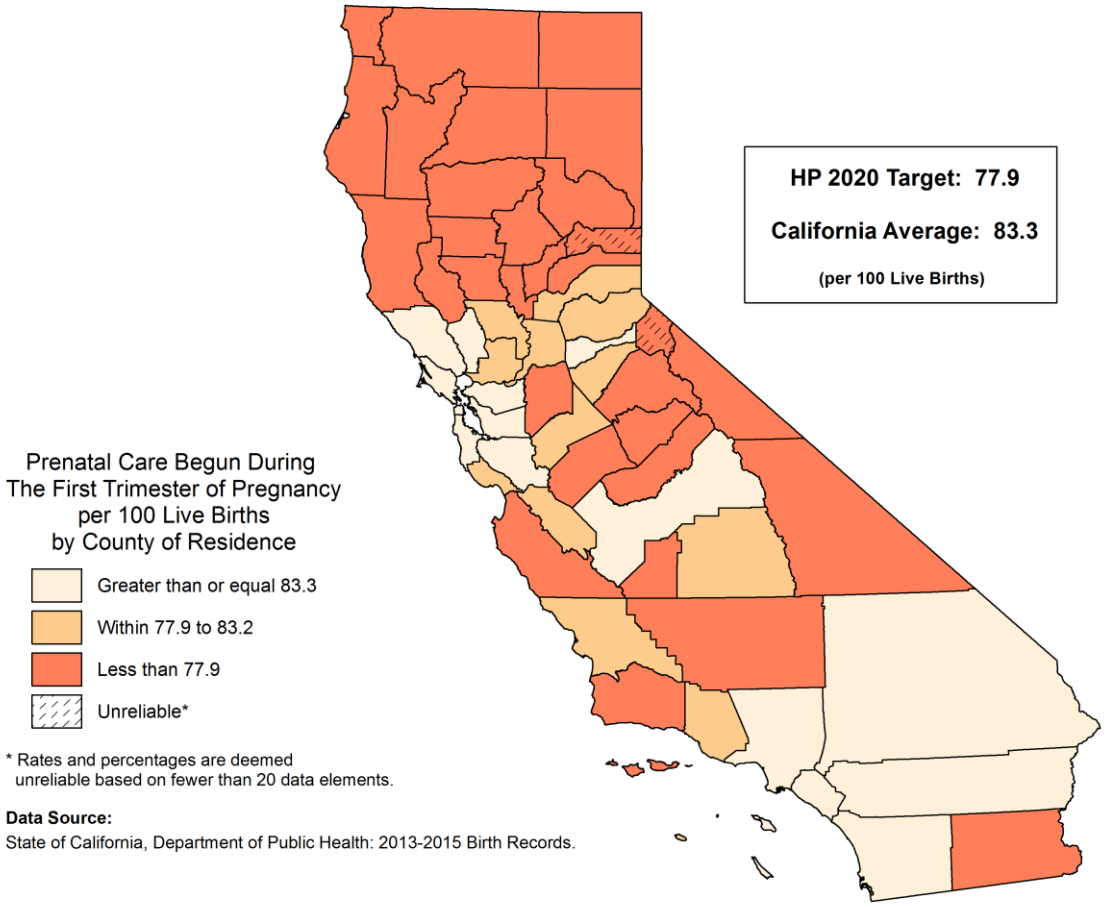
The California age-specific birth rate to adolescent mothers, ages 15 to 19 years old, for the 2010-2012 period was 28.7 per 1,000 female population in the corresponding age group.

TABLE 26
BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD
RANKED BY THREE-YEAR AVERAGE AGE-SPECIFIC BIRTH RATE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2014 FEMALE POPULATION 15-19 YRS OLD	2013-2015 LIVE BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTH RATE	95% CONFIDENCE LIMITS	
					LOWER	UPPER
HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: NOT ESTABLISHED						
1	MARIN	7,114	46.7	6.6	4.8	8.7
2	PLACER	13,080	98.3	7.5	6.1	9.2
3	EL DORADO	6,318	58.3	9.2	7.0	11.9
4	SAN FRANCISCO	13,761	138.0	10.0	8.4	11.7
5	CALAVERAS	1,360	13.7	10.0 *	5.4	17.0
6	SAN MATEO	21,204	225.7	10.6	9.3	12.0
7	YOLO	8,932	100.7	11.3	9.1	13.5
8	NEVADA	2,861	32.3	11.3	7.7	15.9
9	CONTRA COSTA	37,581	435.3	11.6	10.5	12.7
10	SANTA CLARA	55,981	694.7	12.4	11.5	13.3
11	SONOMA	15,037	187.7	12.5	10.7	14.3
12	ALAMEDA	45,593	585.3	12.8	11.8	13.9
13	MODOC	318	4.3	13.6 *	4.0	33.7
14	SAN LUIS OBISPO	9,317	131.3	14.1	11.7	16.5
15	PLUMAS	486	7.0	14.4 *	5.8	29.7
16	ORANGE	105,429	1,567.0	14.9	14.1	15.6
17	NAPA	4,605	68.7	14.9	11.6	18.9
18	TRINITY	410	6.3	15.4 *	5.9	33.0
19	SANTA CRUZ	9,427	161.3	17.1	14.5	19.8
20	SOLANO	14,392	256.3	17.8	15.6	20.0
21	BUTTE	8,162	151.0	18.5	15.5	21.5
22	MARIPOSA	497	9.3	18.8 *	8.7	35.3
23	AMADOR	890	17.0	19.1 *	11.1	30.6
24	VENTURA	29,649	575.7	19.4	17.8	21.0
25	TUOLUMNE	1,426	28.3	19.9	13.2	28.7
26	SAN BENITO	2,368	47.3	20.0	14.7	26.6
27	HUMBOLDT	3,999	80.7	20.2	16.0	25.1
28	SACRAMENTO	49,264	995.3	20.2	18.9	21.5
29	SAN DIEGO	98,032	1,992.0	20.3	19.4	21.2
30	SUTTER	3,509	72.3	20.6	16.1	25.9
31	MONO	388	8.0	20.6 *	8.9	40.6
32	LOS ANGELES	334,670	7,004.0	20.9	20.4	21.4
	CALIFORNIA	**1,296,883**	**27,235.0**	**21.0**	**20.8**	**21.2**
33	LASSEN	914	19.7	21.5 *	13.1	33.4
34	RIVERSIDE	89,963	1,974.7	21.9	21.0	22.9
35	ALPINE	44	1.0	22.7 *	0.6	126.6
36	SANTA BARBARA	16,449	398.3	24.2	21.8	26.6
37	SAN JOAQUIN	28,205	683.7	24.2	22.4	26.1
38	SHASTA	5,544	135.7	24.5	20.4	28.6
39	SISKIYOU	1,320	33.0	25.0	17.2	35.1
40	SAN BERNARDINO	82,578	2,263.0	27.4	26.3	28.5
41	MENDOCINO	2,630	72.3	27.5	21.5	34.6
42	STANISLAUS	20,028	555.3	27.7	25.4	30.0
43	GLENN	1,066	31.0	29.1	19.8	41.3
44	INYO	573	16.7	29.1 *	16.8	46.8
45	YUBA	2,712	81.3	30.0	23.8	37.3
46	COLUSA	806	25.3	31.4	20.4	46.3
47	TEHAMA	2,266	72.7	32.1	25.1	40.3
48	MERCED	11,166	366.0	32.8	29.4	36.1
49	LAKE	1,878	62.7	33.4	25.6	42.7
50	MONTEREY	14,068	481.7	34.2	31.2	37.3
51	FRESNO	37,559	1,312.7	34.9	33.1	36.8
52	SIERRA	71	2.7	37.6 *	6.8	116.4
53	KINGS	5,133	195.7	38.1	32.8	43.5
54	TULARE	18,902	727.3	38.5	35.7	41.3
55	MADERA	5,645	224.0	39.7	34.5	44.9
56	KERN	33,602	1,366.0	40.7	38.5	42.8
57	DEL NORTE	819	35.3	43.1	30.1	59.9
58	IMPERIAL	6,882	297.3	43.2	38.3	48.1

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by increasing age-specific birth rate (calculated to 15 decimal places), second by decreasing size of the population.
Sources: California Department of Public Health: 2013-2015 Birth Records.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

PRENATAL CARE BEGUN
DURING THE FIRST TRIMESTER OF PREGNANCY, 2013-2015



The percentage of births to mothers with prenatal care begun during the first trimester of pregnancy for California was 83.3 per 100 live births. The percentage for California was based on a 2013 through 2015 three-year average number of births to mothers with prenatal care begun during the first trimester of pregnancy equaling 406,979.7 and a live births total of 488,439.0.

Among counties with reliable percentages, the percentage of births to mothers with prenatal care begun during the first trimester of pregnancy ranged from 91.0 in Marin County to 39.2 in Imperial County, a factor of 2.3 to 1.

Twenty-seven counties with reliable percentages and California as a whole met the Healthy People 2020 National Objective MICH-10.1 of achieving the percentage of births to mothers with prenatal care begun during the first trimester of pregnancy of at least 77.9 percent of live births. No counties with unreliable percentages met the objective.

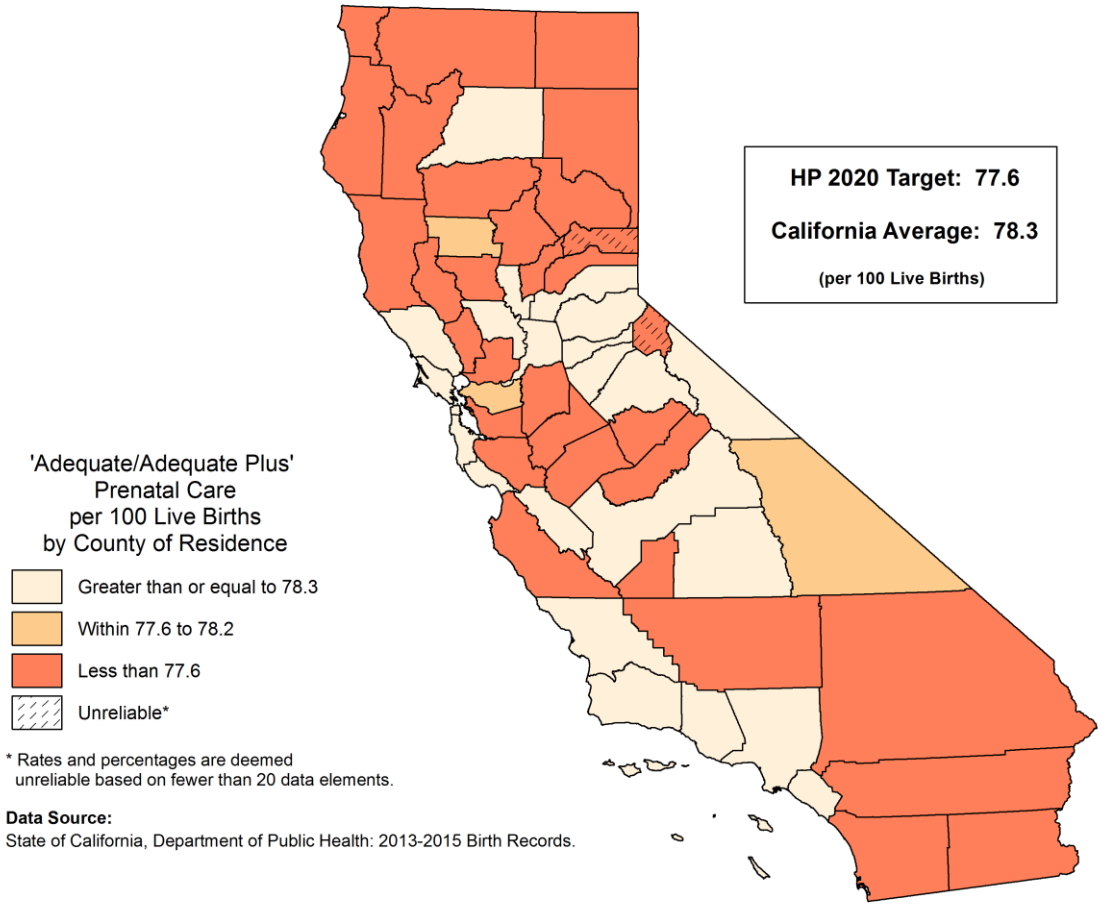
The California percentage of births to mothers with prenatal care begun during the first trimester of pregnancy for the 2010-2012 period was 83.6 per 100 live births.

TABLE 27A
PRENATAL CARE BEGUN DURING THE FIRST TRIMESTER OF PREGNANCY
RANKED BY PERCENTAGE OF THREE-YEAR AVERAGE FIRST TRIMESTER PRENATAL CARE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2013-2015 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	FIRST TRIMESTER PRENATAL CARE			
			NUMBER	PERCENT	LOWER	UPPER
1	MARIN	2,326.7	2,117.3	91.0	87.1	94.9
2	ALAMEDA	18,999.3	17,149.0	90.3	88.9	91.6
3	SAN MATEO	8,956.3	8,039.0	89.8	87.8	91.7
4	NAPA	1,444.3	1,275.3	88.3	83.5	93.1
5	SAN FRANCISCO	8,904.3	7,859.7	88.3	86.3	90.2
6	ORANGE	37,139.7	32,722.7	88.1	87.2	89.1
7	FRESNO	15,236.0	13,401.7	88.0	86.5	89.4
8	CONTRA COSTA	12,395.3	10,706.7	86.4	84.7	88.0
9	AMADOR	282.7	244.0	86.3	75.5	97.2
10	SONOMA	5,013.0	4,307.0	85.9	83.4	88.5
11	LOS ANGELES	124,394.3	105,524.0	84.8	84.3	85.3
12	SANTA CLARA	23,390.3	19,790.7	84.6	83.4	85.8
13	SAN DIEGO	44,017.7	37,060.0	84.2	83.3	85.1
14	SAN BERNARDINO	30,387.0	25,386.3	83.5	82.5	84.6
15	RIVERSIDE	30,096.3	25,094.7	83.4	82.3	84.4
	CALIFORNIA	**488,439.0**	**406,979.7**	**83.3**	**83.1**	**83.6**
16	SAN BENITO	716.3	595.3	83.1	76.4	89.8
17	YOLO	2,406.0	1,992.3	82.8	79.2	86.4
18	VENTURA	10,309.3	8,523.0	82.7	80.9	84.4
19	PLACER	3,678.7	3,039.3	82.6	79.7	85.6
20	SANTA CRUZ	2,862.0	2,362.0	82.5	79.2	85.9
21	SACRAMENTO	19,239.0	15,863.0	82.5	81.2	83.7
22	EL DORADO	1,574.7	1,268.3	80.5	76.1	85.0
23	SAN LUIS OBISPO	2,601.7	2,086.0	80.2	76.7	83.6
24	SOLANO	5,190.3	4,118.7	79.4	76.9	81.8
25	TULARE	7,467.7	5,893.3	78.9	76.9	80.9
26	CALAVERAS	350.0	275.3	78.7	69.4	88.0
27	STANISLAUS	7,288.7	5,732.0	78.6	76.6	80.7
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-10.1			**77.9**		
28	SISKIYOU	444.3	344.7	77.6	69.4	85.8
29	SANTA BARBARA	5,740.3	4,424.7	77.1	74.8	79.4
30	INYO	211.3	162.0	76.7	64.9	88.5
31	SAN JOAQUIN	9,852.0	7,539.7	76.5	74.8	78.3
32	HUMBOLDT	1,457.0	1,114.3	76.5	72.0	81.0
33	KERN	13,215.3	10,063.7	76.2	74.7	77.6
34	TUOLUMNE	462.3	346.3	74.9	67.0	82.8
35	MONO	148.0	110.3	74.5	60.6	88.5
36	MONTEREY	6,449.7	4,772.0	74.0	71.9	76.1
37	MADERA	2,258.3	1,670.3	74.0	70.4	77.5
38	LASSEN	289.0	212.7	73.6	63.7	83.5
39	NEVADA	830.3	610.0	73.5	67.6	79.3
40	PLUMAS	146.7	106.7	72.7	58.9	86.5
41	BUTTE	2,436.0	1,761.7	72.3	68.9	75.7
42	COLUSA	298.0	214.7	72.0	62.4	81.7
43	DEL NORTE	311.0	221.0	71.1	61.7	80.4
44	SHASTA	2,064.0	1,458.7	70.7	67.0	74.3
45	LAKE	725.3	504.0	69.5	63.4	75.6
46	TEHAMA	784.3	544.3	69.4	63.6	75.2
47	KINGS	2,329.0	1,615.7	69.4	66.0	72.8
48	YUBA	1,177.7	809.3	68.7	64.0	73.5
49	MENDOCINO	1,003.3	688.0	68.6	63.4	73.7
50	SUTTER	1,298.7	889.3	68.5	64.0	73.0
51	MARIPOSA	141.0	96.0	68.1	55.1	83.1
52	GLENN	396.3	267.3	67.5	59.4	75.5
53	MERCED	4,085.3	2,701.3	66.1	63.6	68.6
54	SIERRA	21.3	13.7	64.1 *	34.7	100.0
55	MODOC	71.7	44.7	62.3	45.4	83.5
56	TRINITY	101.7	61.3	60.3	46.2	77.4
57	IMPERIAL	3,017.7	1,183.3	39.2	37.0	41.4
58	ALPINE	4.3	1.3	30.8 *	1.7	100.0

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by decreasing percentage of births to mothers with first trimester prenatal care (calculated to 15 decimal places), second by decreasing size of the total number of live births.
Source: California Department of Public Health: 2013-2015 Birth Records.

‘ADEQUATE/ADEQUATE PLUS’ PRENATAL CARE (ADEQUACY OF PRENATAL CARE UTILIZATION INDEX), 2013-2015



The percentage of births to mothers with 'adequate/adequate plus' prenatal care for California was 78.3. The percentage for California was based on a 2013 through 2015 three-year average number of births to mothers with 'adequate/adequate plus' prenatal care equaling 379,704.0 and a live births total of 485,157.3.

Among counties with reliable percentages, the percentage of births to mothers with 'adequate/adequate plus' prenatal care ranged from 89.3 in Fresno County to 44.5 in Imperial County, a factor of 2.0 to 1.

Twenty-seven counties with reliable percentages and California as a whole met the Healthy People 2020 National Objective MICH-10.2 of increasing the proportion of pregnant women receiving early and adequate prenatal care to at least 77.6 percent of total births according to the Adequacy of Prenatal Care Utilization Index. No counties with unreliable percentages met the objective. Please see Technical Notes, Natality Section, for determination of 'adequate/adequate plus' definition and additional clarification.

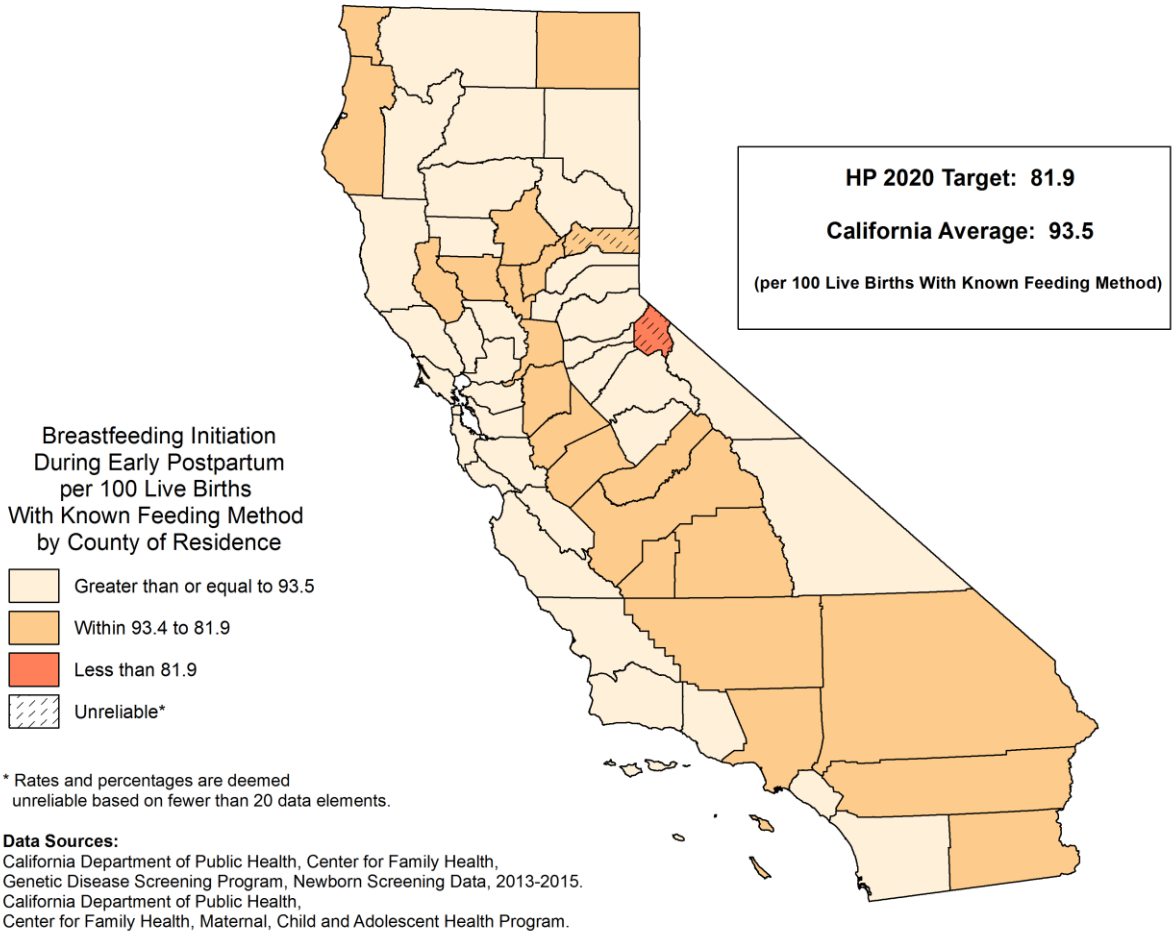
The California percentage of births to mothers with 'adequate/adequate plus' prenatal care for the 2010-2012 period was 79.5 per 100 live births.

TABLE 27B
'ADEQUATE/ADEQUATE PLUS' PRENATAL CARE (ADEQUACY OF PRENATAL CARE UTILIZATION INDEX)
RANKED BY PERCENTAGE OF THREE-YEAR 'ADEQUATE/ADEQUATE PLUS' PRENATAL CARE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2013-2015 LIVE BIRTHS (AVERAGE)			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	ADEQUATE / ADEQUATE PLUS PRENATAL CARE			
			NUMBER	PERCENT	LOWER	UPPER
1	FRESNO	15,064.7	13,447.0	89.3	87.8	90.8
2	AMADOR	282.3	246.0	87.1	76.2	98.0
3	SAN LUIS OBISPO	2,589.3	2,248.3	86.8	83.2	90.4
4	MARIN	2,325.0	2,007.3	86.3	82.6	90.1
5	ORANGE	37,081.3	31,928.0	86.1	85.2	87.0
6	SANTA CRUZ	2,815.0	2,387.3	84.8	81.4	88.2
7	VENTURA	10,301.7	8,714.0	84.6	82.8	86.4
8	SANTA BARBARA	5,736.7	4,816.0	84.0	81.6	86.3
9	PLACER	3,676.3	3,059.7	83.2	80.3	86.2
10	SAN MATEO	8,951.7	7,426.0	83.0	81.1	84.8
11	YOLO	2,404.3	1,966.3	81.8	78.2	85.4
12	SAN BENITO	715.3	582.7	81.5	74.8	88.1
13	TULARE	7,442.7	6,046.0	81.2	79.2	83.3
14	LOS ANGELES	123,074.0	98,607.3	80.1	79.6	80.6
15	SONOMA	5,010.7	4,011.0	80.0	77.6	82.5
16	SAN FRANCISCO	8,896.3	7,112.0	79.9	78.1	81.8
17	CALAVERAS	348.7	278.7	79.9	70.5	89.3
18	SUTTER	1,298.0	1,032.0	79.5	74.7	84.4
19	SHASTA	2,015.7	1,600.3	79.4	75.5	83.3
20	SACRAMENTO	19,194.7	15,222.7	79.3	78.0	80.6
21	MONO	148.0	117.3	79.3	64.9	93.6
22	EL DORADO	1,571.0	1,243.0	79.1	74.7	83.5
23	TUOLUMNE	461.3	363.3	78.8	70.7	86.9
	CALIFORNIA	**485,157.3**	**379,704.0**	**78.3**	**78.0**	**78.5**
24	GLENN	392.3	306.7	78.2	69.4	86.9
25	CONTRA COSTA	12,387.3	9,649.0	77.9	76.3	79.4
26	INYO	210.7	163.7	77.7	65.8	89.6
27	COLUSA	297.3	230.7	77.6	67.6	87.6
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-10.2			**77.6**		
28	YUBA	1,176.0	911.7	77.5	72.5	82.6
29	NAPA	1,431.3	1,109.0	77.5	72.9	82.0
30	BUTTE	2,427.3	1,879.0	77.4	73.9	80.9
31	RIVERSIDE	30,058.7	23,180.7	77.1	76.1	78.1
32	ALAMEDA	18,655.0	14,375.0	77.1	75.8	78.3
33	SISKIYOU	443.0	341.3	77.1	68.9	85.2
34	MONTEREY	6,439.7	4,960.7	77.0	74.9	79.2
35	SANTA CLARA	23,379.7	17,808.7	76.2	75.1	77.3
36	MENDOCINO	990.7	752.7	76.0	70.5	81.4
37	DEL NORTE	309.3	234.3	75.8	66.1	85.5
38	TEHAMA	781.7	591.7	75.7	69.6	81.8
39	HUMBOLDT	1,432.7	1,080.7	75.4	70.9	79.9
40	NEVADA	824.7	616.7	74.8	68.9	80.7
41	SAN DIEGO	44,010.3	32,657.3	74.2	73.4	75.0
42	SAN BERNARDINO	30,312.7	21,959.7	72.4	71.5	73.4
43	SAN JOAQUIN	9,759.0	7,059.7	72.3	70.7	74.0
44	KERN	12,762.0	9,145.0	71.7	70.2	73.1
45	SOLANO	5,184.0	3,592.3	69.3	67.0	71.6
46	MADERA	2,247.3	1,542.7	68.6	65.2	72.1
47	STANISLAUS	7,048.0	4,822.3	68.4	66.5	70.4
48	KINGS	2,324.0	1,530.3	65.8	62.5	69.1
49	TRINITY	100.0	65.0	65.0	50.2	82.8
50	LAKE	713.3	463.3	65.0	59.0	70.9
51	MARIPOSA	135.3	84.7	62.6	49.9	77.4
52	SIERRA	21.3	13.3	62.5 *	33.6	100.0
53	MERCED	4,001.0	2,486.3	62.1	59.7	64.6
54	MODOC	71.0	43.0	60.6	43.8	81.6
55	LASSEN	283.0	168.0	59.4	50.4	68.3
56	PLUMAS	144.7	81.0	56.0	44.5	69.6
57	ALPINE	4.3	2.3	53.8 *	8.2	100.0
58	IMPERIAL	2,994.0	1,333.3	44.5	42.1	46.9

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by decreasing percentage of births to mothers with 'adequate/adequate plus' prenatal care (calculated to 15 decimal places), second by decreasing size of the total number of live births.
Source: California Department of Public Health: 2013-2015 Birth Records.

BREASTFEEDING INITIATION DURING EARLY POSTPARTUM, 2013-2015



The percentage of breastfed infants in California was 93.5 where the feeding method was known. The percentage for California was based on a 2013 through 2015 three-year average of 401,951.3 breastfed infants and 429,875 births with a known feeding method.

Among counties with reliable percentages, the percentage of breastfed infants ranged from 98.7 in Marin County to 85.3 in Kings County, a factor of 1.2 to 1.

Fifty-six counties with reliable percentages and California as a whole met the Healthy People 2020 National Objective MICH-21.1 of increasing the proportion of mothers who breastfeed in the early postpartum period, usually 24 to 48 hours since birth, to at least 81.9 percent of total births. One county with an unreliable percentage met the objective.

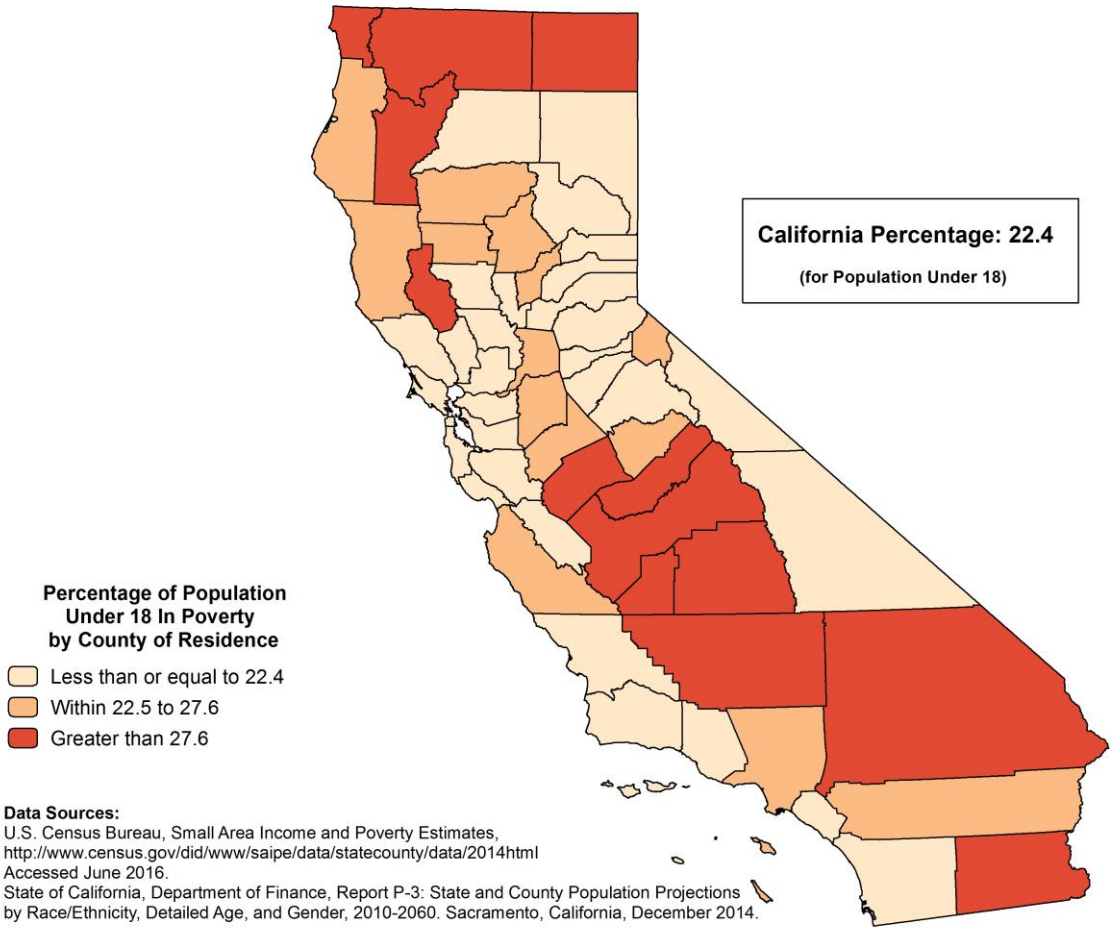
The percentage of breastfed infants in California where the feeding method was known for the 2010-2012 period was 91.6.

TABLE 28
BREASTFEEDING INITIATION DURING EARLY POSTPARTUM
RANKED BY THREE YEAR AVERAGE BREASTFEEDING INITIATION PERCENTAGE
CALIFORNIA COUNTIES, 2013-2015

RANK ORDER	COUNTY OF RESIDENCE	2013-2015 BIRTHS (AVERAGE) WITH KNOWN FEEDING METHOD			95% CONFIDENCE LIMITS	
		TOTAL NUMBER	BREASTFED NUMBER	BREASTFED PERCENT	LOWER	UPPER
1	MARIN	2,066.3	2,040.3	98.7	94.5	100.0
2	SANTA CRUZ	2,561.3	2,522.0	98.5	94.6	100.0
3	NEVADA	694.3	678.3	97.7	90.3	100.0
4	INYO	186.7	182.3	97.7	83.5	100.0
5	SONOMA	4,416.7	4,306.3	97.5	94.6	100.0
6	NAPA	1,219.7	1,187.7	97.4	91.8	100.0
7	SAN LUIS OBISPO	2,304.3	2,241.7	97.3	93.3	100.0
8	SAN MATEO	8,163.7	7,935.3	97.2	95.1	99.3
9	ALAMEDA	17,001.0	16,514.3	97.1	95.7	98.6
10	MARIPOSA	124.0	120.3	97.0	79.7	100.0
11	SAN FRANCISCO	7,930.7	7,687.0	96.9	94.8	99.1
12	SANTA CLARA	20,741.0	20,088.0	96.9	95.5	98.2
13	MONO	115.0	111.3	96.8	78.8	100.0
14	MONTEREY	5,534.7	5,351.0	96.7	94.1	99.3
15	EL DORADO	1,351.3	1,305.3	96.6	91.4	100.0
16	YOLO	2,204.0	2,127.7	96.5	92.4	100.0
17	CONTRA COSTA	10,875.3	10,484.3	96.4	94.6	98.3
18	PLUMAS	113.3	109.0	96.2	78.1	100.0
19	MENDOCINO	906.7	870.7	96.0	89.7	100.0
20	SAN DIEGO	33,604.0	32,259.3	96.0	95.0	97.0
21	PLACER	3,234.3	3,104.3	96.0	92.6	99.4
22	TUOLUMNE	403.0	386.7	95.9	86.4	100.0
23	VENTURA	9,059.0	8,673.7	95.7	93.7	97.8
24	AMADOR	270.3	258.7	95.7	84.0	100.0
25	SANTA BARBARA	5,001.3	4,779.3	95.6	92.9	98.3
26	TRINITY	100.3	95.7	95.3	77.2	100.0
27	CALAVERAS	299.0	285.0	95.3	84.3	100.0
28	SHASTA	1,780.7	1,693.0	95.1	90.5	99.6
29	ORANGE	34,157.0	32,345.3	94.7	93.7	95.7
30	SOLANO	4,171.3	3,946.3	94.6	91.7	97.6
31	SISKIYOU	314.3	297.3	94.6	83.8	100.0
32	TEHAMA	762.3	718.7	94.3	87.4	100.0
33	LASSEN	236.7	223.0	94.2	81.9	100.0
34	SAN BENITO	629.7	592.0	94.0	86.4	100.0
35	GLENN	350.7	329.0	93.8	83.7	100.0
36	LOS ANGELES	112,624.0	105,248.7	93.5	92.9	94.0
	CALIFORNIA	**429,875.0**	**401,951.3**	**93.5**	**93.2**	**93.8**
37	HUMBOLDT	1,332.7	1,239.3	93.0	87.8	98.2
38	BUTTE	2,178.3	2,019.7	92.7	88.7	96.8
39	LAKE	623.3	576.0	92.4	84.9	100.0
40	SIERRA	13.0	12.0	92.3 *	47.7	100.0
41	RIVERSIDE	26,142.0	24,106.3	92.2	91.0	93.4
42	COLUSA	264.0	243.3	92.2	80.6	100.0
43	SACRAMENTO	17,159.3	15,788.7	92.0	90.6	93.4
44	IMPERIAL	2,670.3	2,454.3	91.9	88.3	95.5
45	MERCED	3,656.0	3,347.0	91.5	88.4	94.6
46	MADERA	2,031.7	1,858.7	91.5	87.3	95.6
47	SUTTER	1,113.7	1,012.7	90.9	85.3	96.5
48	DEL NORTE	285.0	257.3	90.3	79.3	100.0
49	YUBA	1,011.3	909.0	89.9	84.0	95.7
50	MODOC	22.7	20.3	89.7	55.0	100.0
51	SAN JOAQUIN	8,498.7	7,564.3	89.0	87.0	91.0
52	SAN BERNARDINO	26,130.7	23,202.0	88.8	87.6	89.9
53	STANISLAUS	6,770.3	6,005.7	88.7	86.5	90.9
54	TULARE	6,540.7	5,801.7	88.7	86.4	91.0
55	KERN	12,094.7	10,719.7	88.6	87.0	90.3
56	FRESNO	13,875.0	12,049.3	86.8	85.3	88.4
57	KINGS	1,942.0	1,655.7	85.3	81.1	89.4
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE: MICH-21.1			**81.9**		
58	ALPINE	11.7	9.3	80.0 *	37.2	100.0

* Rates are deemed unreliable based on fewer than 20 data elements.
Note: Counties were rank ordered first by decreasing breastfed percentage (calculated to 15 decimal places), second by decreasing number of births.
Sources: California Department of Public Health, Center for Family Health, Genetic Disease Screening Program, Newborn Screening Data, 2013-2015.
California Department of Public Health, Center for Family Health, Maternal, Child and Adolescent Health Program.

PERSONS UNDER 18 IN POVERTY, 2014



Californians under 18 years of age in poverty represent 22.4 percent of the population of persons under 18 years of age. The percentage for California was based on the U.S. Census Bureau, American Community Survey 2014 estimate of persons under 18 years of age in poverty of 2,040,813 and a corresponding population count of 9,097,971 as of July 1, 2014.

All counties demonstrated reliable crude rates for persons under 18 years of age in poverty. The percentages ranged from 37.9 in Fresno County to 9.2 in Santa Clara County, a factor of 4.1 to 1.

A Healthy People 2020 National Objective for persons under 18 years of age in poverty has not been established.

The California percentage of persons under 18 years of age in poverty in 2013 was 23.3.

TABLE 29
PERSONS UNDER 18 IN POVERTY
RANKED BY PERCENTAGE OF CENSUS POPULATION UNDER 18 BELOW POVERTY
CALIFORNIA COUNTIES, 2014

RANK ORDER	COUNTY OF RESIDENCE	UNDER 18 2014 POPULATION	IN POVERTY NUMBER	IN POVERTY PERCENT	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER
	HEALTHY PEOPLE 2020 NATIONAL OBJECTIVE:			**NONE**		
1	SANTA CLARA	435,380	40,118	9.2	9.1	9.3
2	SAN MATEO	162,023	15,725	9.7	9.6	9.9
3	PLACER	83,330	8,188	9.8	9.6	10.0
4	MARIN	51,023	5,357	10.5	10.2	10.8
5	NAPA	30,235	3,660	12.1	11.7	12.5
6	SAN FRANCISCO	118,747	15,224	12.8	12.6	13.0
7	EL DORADO	37,437	4,956	13.2	12.9	13.6
8	SONOMA	103,359	13,770	13.3	13.1	13.5
9	CONTRA COSTA	253,758	35,640	14.0	13.9	14.2
10	ALAMEDA	343,045	48,750	14.2	14.1	14.3
11	MONO	2,935	440	15.0	13.6	16.4
12	VENTURA	201,885	31,764	15.7	15.6	15.9
13	SAN LUIS OBISPO	49,204	7,765	15.8	15.4	16.1
14	SOLANO	98,779	16,144	16.3	16.1	16.6
15	YOLO	44,518	7,788	17.5	17.1	17.9
16	ORANGE	712,390	126,952	17.8	17.7	17.9
17	NEVADA	17,045	3,043	17.9	17.2	18.5
18	SANTA CRUZ	56,244	10,217	18.2	17.8	18.5
19	SIERRA	476	88	18.5	14.8	22.8
20	SAN DIEGO	731,290	135,884	18.6	18.5	18.7
21	AMADOR	5,533	1,032	18.7	17.5	19.8
22	COLUSA	6,182	1,176	19.0	17.9	20.1
23	LASSEN	5,544	1,069	19.3	18.1	20.4
24	SAN BENITO	15,489	3,056	19.7	19.0	20.4
25	CALAVERAS	7,871	1,577	20.0	19.0	21.0
26	SHASTA	38,252	7,682	20.1	19.6	20.5
27	INYO	3,763	761	20.2	18.8	21.7
28	TUOLUMNE	8,928	1,813	20.3	19.4	21.2
29	SUTTER	25,249	5,200	20.6	20.0	21.2
30	PLUMAS	3,163	679	21.5	19.9	23.1
31	SANTA BARBARA	97,914	21,781	22.2	21.9	22.5
	CALIFORNIA	**9,097,971**	**2,040,813**	**22.4**	**22.4**	**22.5**
32	HUMBOLDT	26,794	6,137	22.9	22.3	23.5
33	GLENN	7,586	1,751	23.1	22.0	24.2
34	SACRAMENTO	357,097	84,938	23.8	23.6	23.9
35	RIVERSIDE	596,202	141,970	23.8	23.7	23.9
36	STANISLAUS	143,210	34,198	23.9	23.6	24.1
37	BUTTE	44,765	10,825	24.2	23.7	24.6
38	MARIPOSA	2,902	726	25.0	23.2	26.8
39	ALPINE	246	62	25.2	19.3	32.3
40	TEHAMA	15,358	3,956	25.8	25.0	26.6
41	MONTEREY	108,663	28,122	25.9	25.6	26.2
42	LOS ANGELES	2,328,466	605,129	26.0	25.9	26.1
43	MENDOCINO	18,842	4,924	26.1	25.4	26.9
44	YUBA	21,354	5,802	27.2	26.5	27.9
45	SAN JOAQUIN	195,633	53,907	27.6	27.3	27.8
46	SAN BERNARDINO	566,115	159,554	28.2	28.0	28.3
47	SISKIYOU	8,996	2,646	29.4	28.3	30.5
48	TRINITY	2,297	684	29.8	27.5	32.0
49	DEL NORTE	5,722	1,743	30.5	29.0	31.9
50	MADERA	41,812	12,871	30.8	30.3	31.3
51	IMPERIAL	51,006	15,870	31.1	30.6	31.6
52	LAKE	13,200	4,119	31.2	30.3	32.2
53	MODOC	1,702	544	32.0	29.3	34.6
54	KERN	251,194	83,543	33.3	33.0	33.5
55	KINGS	39,829	13,840	34.7	34.2	35.3
56	MERCED	78,661	28,341	36.0	35.6	36.4
57	TULARE	142,774	52,542	36.8	36.5	37.1
58	FRESNO	276,554	104,770	37.9	37.7	38.1

Note: Counties were rank ordered first by increasing percentage of persons under 18 in poverty (calculated to 15 decimal places), second by decreasing size of the same age group population.
Percentage based on the population under 18 years of age for which the poverty status was determined and excludes persons of unknown poverty status.

Sources: U.S. Census Bureau, Small Area Income and Poverty Estimates.
http://www.census.gov/did/www/saipe/data/statecounty/data/2014.html Accessed April 2016.
State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014.

TABLE 30
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES (THREE-YEAR AVERAGE)					
	ALL CANCERS		COLORECTAL CANCER		LUNG CANCER	
	2010-2012	2013-2015	2010-2012	2013-2015	2010-2012	2013-2015
CALIFORNIA	152.2	143.8	14.1	13.2	34.6	30.6
ALAMEDA	147.4	135.6	13.5	12.0	32.5	29.7
ALPINE	188.8 *	73.8 *	22.0 *	-	29.9 *	11.8 *
AMADOR	177.9	141.6	12.2 *	15.1 *	50.2	37.7
BUTTE	179.1	161.8	13.8	14.5	44.6	40.8
CALAVERAS	157.6	146.4	13.1 *	12.4 *	36.2	36.5
COLUSA	169.5	120.9	5.6 *	12.5 *	53.0 *	27.3 *
CONTRA COSTA	152.2	143.6	14.6	13.3	36.1	31.7
DEL NORTE	185.6	154.8	15.9 *	13.9 *	61.0	39.0 *
EL DORADO	145.4	142.4	13.5	12.0	31.8	33.8
FRESNO	149.6	146.9	13.5	12.8	35.3	32.8
GLENN	156.8	174.3	12.1 *	10.9 *	34.8 *	57.3 *
HUMBOLDT	174.7	162.7	15.0	13.1	42.5	34.2
IMPERIAL	135.4	116.1	13.7	9.9 *	28.2	20.8
INYO	128.9	124.2	14.3 *	10.8 *	39.1 *	28.5 *
KERN	157.8	153.5	13.8	12.7	40.7	35.3
KINGS	140.6	153.3	10.7 *	14.8 *	32.5	35.9
LAKE	191.2	189.2	16.3 *	14.4 *	53.9	49.0
LASSEN	124.9	104.3	10.8 *	12.8 *	33.0 *	27.4 *
LOS ANGELES	148.7	138.1	14.3	13.7	31.3	26.8
MADERA	146.4	141.5	13.5 *	13.4	37.9	32.4
MARIN	141.1	120.7	10.5	9.4	31.8	22.4
MARIPOSA	133.8	131.9	4.8 *	16.5 *	42.6 *	32.4 *
MENDOCINO	162.4	163.6	15.4 *	14.6 *	41.7	38.8
MERCED	160.4	155.4	17.9	14.5	39.4	37.0
MODOC	151.7	159.8	25.0 *	8.0 *	28.7 *	29.1 *
MONO	54.8 *	82.6 *	5.7 *	6.3 *	6.5 *	15.2 *
MONTEREY	144.5	132.1	10.5	10.3	33.4	25.6
NAPA	164.4	159.0	13.0	11.0	37.0	36.7
NEVADA	151.8	137.7	11.3 *	12.7	33.2	29.6
ORANGE	144.0	135.0	12.3	11.7	32.5	28.4
PLACER	149.6	149.0	11.6	11.4	32.3	30.8
PLUMAS	134.9	136.1	12.2 *	10.8 *	30.2 *	36.2 *
RIVERSIDE	155.5	150.2	16.0	14.4	37.2	34.2
SACRAMENTO	171.5	163.8	16.0	14.8	43.5	38.5
SAN BENITO	147.6	124.2	11.4 *	9.9 *	30.9 *	24.2 *
SAN BERNARDINO	167.9	162.2	17.9	16.4	39.0	35.0
SAN DIEGO	157.6	148.2	14.3	13.1	35.8	31.2
SAN FRANCISCO	146.0	133.1	15.2	12.2	34.0	30.3
SAN JOAQUIN	170.3	168.0	15.0	15.6	45.8	39.3
SAN LUIS OBISPO	148.1	142.2	12.8	13.3	33.0	31.8
SAN MATEO	140.2	124.6	12.6	10.7	30.8	24.8
SANTA BARBARA	139.6	141.1	12.9	10.7	28.8	26.2
SANTA CLARA	134.8	124.9	12.2	10.8	27.7	26.4
SANTA CRUZ	142.4	133.2	12.3	10.8	26.0	25.6
SHASTA	182.7	192.6	17.4	16.8	43.3	49.8
SIERRA	73.1 *	120.0 *	-	5.5 *	16.4 *	23.1 *
SISKIYOU	185.6	167.0	13.2 *	11.0 *	50.7	36.4
SOLANO	174.9	168.1	15.4	15.2	44.0	36.8
SONOMA	161.2	150.6	13.8	14.8	38.7	32.4
STANISLAUS	163.6	174.1	17.5	16.4	40.4	39.5
SUTTER	159.5	151.0	11.4 *	7.1 *	46.8	43.9
TEHAMA	186.3	162.5	18.4 *	14.9 *	52.4	43.3
TRINITY	172.3	153.9	9.6 *	14.6 *	48.9 *	34.7 *
TULARE	153.8	143.6	13.3	13.2	40.1	33.2
TUOLUMNE	153.3	154.5	16.0 *	10.1 *	34.2	33.9
VENTURA	140.5	145.2	12.9	13.7	28.7	27.5
YOLO	154.9	149.2	12.7	12.3	32.0	33.3
YUBA	180.9	181.8	15.2 *	17.2 *	49.7	52.0

- Rates and percentages are not calculated for zero events.
* Rates and percentages are deemed unreliable based on fewer than 20 data elements.
Note: Age-adjusted death rates are per 100,000 population and exclude multiple causes of death.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES (THREE-YEAR AVERAGE)					
	FEMALE BREAST CANCER		PROSTATE CANCER		DIABETES	
	2010-2012	2013-2015	2010-2012	2013-2015	2010-2012	2013-2015
CALIFORNIA	20.8	19.8	20.2	19.3	20.3	20.6
ALAMEDA	20.8	18.2	19.9	17.8	20.4	20.3
ALPINE	-	52.3 *	-	-	18.5 *	-
AMADOR	31.8 *	20.4 *	22.9 *	13.4 *	6.3 *	7.2 *
BUTTE	22.9	18.3	24.2	20.9	17.1	16.7
CALAVERAS	23.3 *	15.1 *	19.9 *	15.3 *	14.9 *	13.7 *
COLUSA	25.5 *	15.3 *	18.1 *	11.5 *	10.3 *	15.5 *
CONTRA COSTA	22.1	20.2	21.0	18.6	16.6	17.5
DEL NORTE	20.9 *	16.0 *	22.8 *	25.2 *	15.1 *	13.9 *
EL DORADO	18.1	18.3	16.2 *	20.7	12.2	9.2
FRESNO	19.0	20.7	18.1	16.7	28.8	27.6
GLENN	19.9 *	18.7 *	9.7 *	19.9 *	28.6 *	27.6 *
HUMBOLDT	23.0 *	21.9 *	23.1 *	25.8 *	26.2	21.0
IMPERIAL	20.6 *	12.2 *	20.9 *	18.7 *	28.1	29.7
INYO	16.8 *	14.9 *	25.5 *	10.5 *	14.8 *	14.7 *
KERN	20.3	23.1	23.1	21.9	33.2	34.2
KINGS	20.5 *	18.7 *	20.4 *	23.7 *	28.0	28.4
LAKE	22.7 *	28.3 *	25.8 *	22.9 *	17.9 *	14.4 *
LASSEN	10.2 *	7.6 *	4.1 *	18.1 *	17.8 *	21.1 *
LOS ANGELES	21.3	19.9	20.1	18.7	22.4	22.2
MADERA	14.5 *	18.1 *	16.0 *	19.6 *	15.7	19.7
MARIN	18.9	18.4	15.6	16.5	8.6	7.4
MARIPOSA	9.8 *	18.1 *	13.5 *	19.4 *	12.3 *	14.1 *
MENDOCINO	20.5 *	23.6 *	14.9 *	25.9 *	16.7 *	15.7
MERCED	20.6	17.8	17.6 *	23.7	27.1	28.2
MODOC	25.8 *	30.4 *	9.8 *	17.4 *	9.6 *	27.3 *
MONO	3.1 *	16.2 *	9.0 *	19.1 *	7.1 *	13.4 *
MONTEREY	20.1	17.8	20.4	17.6	16.7	21.8
NAPA	19.3 *	17.8 *	21.6 *	24.6	13.3	14.0
NEVADA	16.7 *	26.6	27.0 *	15.6 *	10.0 *	8.0 *
ORANGE	19.4	18.9	18.8	18.2	14.8	13.9
PLACER	25.5	18.2	18.0	22.0	12.9	15.2
PLUMAS	8.7 *	25.5 *	7.2 *	20.1 *	12.2 *	12.9 *
RIVERSIDE	20.7	21.8	21.7	19.3	18.9	19.1
SACRAMENTO	22.0	20.7	20.7	20.9	21.1	24.6
SAN BENITO	19.3 *	13.7 *	38.0 *	15.8 *	17.9 *	19.9 *
SAN BERNARDINO	23.7	22.9	24.7	26.0	34.4	32.9
SAN DIEGO	21.5	19.7	22.1	21.8	19.4	19.0
SAN FRANCISCO	17.4	16.3	15.8	13.1	11.7	12.9
SAN JOAQUIN	21.6	24.6	22.3	23.7	28.4	27.5
SAN LUIS OBISPO	22.0	22.9	21.4	17.9	13.6	12.7
SAN MATEO	19.3	18.3	18.6	15.3	11.6	12.9
SANTA BARBARA	17.5	21.5	22.0	18.0	16.1	16.1
SANTA CLARA	17.6	15.9	16.8	15.7	21.8	22.0
SANTA CRUZ	23.9	20.4	19.7	18.3	13.8	15.2
SHASTA	23.2	21.8	23.4	25.2	16.7	19.9
SIERRA	8.3 *	26.4 *	36.4 *	35.9 *	13.1 *	19.0 *
SISKIYOU	27.8 *	27.0 *	24.1 *	32.7 *	20.1 *	21.5 *
SOLANO	23.3	22.9	23.6	23.3	24.0	27.8
SONOMA	24.7	19.4	18.7	21.2	16.5	18.2
STANISLAUS	18.6	21.2	19.8	21.9	21.1	24.9
SUTTER	16.8 *	16.3 *	21.6 *	11.2 *	19.2 *	19.6
TEHAMA	17.0 *	19.2 *	23.3 *	17.9 *	19.7 *	19.5 *
TRINITY	5.4 *	23.3 *	18.2 *	2.0 *	10.3 *	9.5 *
TULARE	19.2	20.0	22.3	19.3	22.6	29.6
TUOLUMNE	15.5 *	21.9 *	14.1 *	16.6 *	12.6 *	16.9 *
VENTURA	21.5	18.7	19.0	18.3	15.6	18.0
YOLO	15.7 *	18.1 *	19.6 *	23.0 *	22.0	22.5
YUBA	21.0 *	18.9 *	28.4 *	28.9 *	22.3 *	19.6 *

- Rates and percentages are not calculated for zero events.
* Rates and percentages are deemed unreliable based on fewer than 20 data elements.
Note: Age-adjusted death rates are per 100,000 population and exclude multiple causes of death.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES (THREE-YEAR AVERAGE)					
	ALZHEIMER'S DISEASE		CORONARY HEART DISEASE		CEREBROVASCULAR DISEASE (STROKE)	
	2010-2012	2013-2015	2010-2012	2013-2015	2010-2012	2013-2015
CALIFORNIA	30.1	32.1	105.1	93.2	36.2	34.7
ALAMEDA	26.1	29.2	79.4	66.2	37.3	35.2
ALPINE	-	-	22.9 *	35.3 *	11.4 *	25.1 *
AMADOR	29.3 *	41.6	100.1	92.1	32.3	37.6
BUTTE	42.3	43.0	104.3	89.3	43.9	38.2
CALAVERAS	14.1 *	20.9 *	96.1	94.3	30.5	27.3
COLUSA	27.6 *	12.5 *	95.2	88.8	43.2 *	28.8 *
CONTRA COSTA	30.7	35.1	76.9	65.1	38.3	42.4
DEL NORTE	23.0 *	8.7 *	103.7	97.3	44.7 *	38.2 *
EL DORADO	30.1	27.0	85.6	80.6	24.3	23.4
FRESNO	33.8	36.6	114.8	110.1	44.6	45.5
GLENN	20.4 *	28.7 *	108.5	74.3	28.9 *	40.6 *
HUMBOLDT	28.3	25.8	102.7	99.1	55.0	65.7
IMPERIAL	14.0	7.6 *	106.5	95.5	35.4	29.1
INYO	3.1 *	3.0 *	87.7	68.6	37.1 *	34.3 *
KERN	35.3	46.7	137.6	133.3	40.9	35.7
KINGS	38.7	38.0	108.1	86.9	36.6	31.1
LAKE	30.2	28.7	131.3	126.1	46.5	41.0
LASSEN	12.8 *	8.6 *	77.5	82.2	24.5 *	21.4 *
LOS ANGELES	24.8	29.5	124.1	109.7	35.1	33.1
MADERA	37.8	43.6	133.7	108.4	42.8	40.6
MARIN	34.6	38.0	61.8	53.9	26.4	26.0
MARIPOSA	26.0 *	18.5 *	101.8	107.1	40.9 *	19.7 *
MENDOCINO	17.0 *	14.2 *	103.8	96.1	32.8	38.9
MERCED	24.2	26.9	118.5	118.3	45.3	41.5
MODOC	8.8 *	6.2 *	131.8 *	84.5 *	46.9 *	25.6 *
MONO	12.6 *	-	54.1 *	42.9 *	21.9 *	7.9 *
MONTEREY	18.2	22.6	78.2	65.2	37.6	34.3
NAPA	29.8	29.8	86.0	78.8	37.3	34.0
NEVADA	31.4	36.1	91.0	81.7	35.0	31.5
ORANGE	35.1	36.2	98.0	87.2	34.3	34.0
PLACER	33.1	36.5	95.2	80.1	32.1	30.7
PLUMAS	15.2 *	14.4 *	97.7	81.4	28.4 *	30.2 *
RIVERSIDE	30.1	34.5	123.5	109.8	36.7	33.9
SACRAMENTO	26.3	32.9	109.9	106.0	40.3	40.8
SAN BENITO	11.3 *	9.2 *	61.7	61.8	40.7	30.5 *
SAN BERNARDINO	28.8	36.1	131.1	109.2	40.8	38.6
SAN DIEGO	36.0	37.5	95.1	85.9	32.1	33.0
SAN FRANCISCO	23.1	28.1	68.3	56.8	33.9	29.2
SAN JOAQUIN	42.1	57.3	118.4	101.0	45.0	45.9
SAN LUIS OBISPO	20.9	26.3	81.0	66.1	55.1	50.8
SAN MATEO	29.1	29.9	74.3	59.6	30.5	25.8
SANTA BARBARA	29.9	31.9	94.6	77.9	35.5	32.1
SANTA CLARA	38.1	8.2 #	72.1	62.1	26.0	26.1
SANTA CRUZ	35.2	31.7	82.3	72.1	32.1	29.0
SHASTA	42.2	44.5	116.9	125.9	47.0	41.8
SIERRA	13.1 *	10.8 *	97.1 *	55.9 *	39.2 *	15.4 *
SISKIYOU	23.2 *	32.0	97.0	90.9	43.8	36.0
SOLANO	48.0	42.2	80.6	69.4	36.7	40.6
SONOMA	38.8	42.6	93.8	77.1	37.4	34.5
STANISLAUS	40.1	41.6	154.4	141.7	43.2	43.6
SUTTER	25.1	13.5 *	116.3	121.9	43.2	42.2
TEHAMA	31.2	23.8	97.1	102.1	51.1	42.5
TRINITY	29.1 *	28.2 *	101.0	99.5	20.1 *	34.4 *
TULARE	23.6	22.9	137.9	118.9	49.0	42.0
TUOLUMNE	16.4 *	10.4 *	93.4	100.4	34.4	33.6
VENTURA	28.3	37.1	88.7	80.9	34.8	33.6
YOLO	40.5	39.9	72.3	77.4	39.7	34.6
YUBA	22.6 *	16.9 *	159.3	133.2	52.0	51.9

\# Interpret with caution. See Technical Notes.
\- Rates and percentages are not calculated for zero events.
* Rates and percentages are deemed unreliable based on fewer than 20 data elements.
Note: Age-adjusted death rates are per 100,000 population and exclude multiple causes of death.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES (THREE-YEAR AVERAGE)					
	INFLUENZA/PNEUMONIA		CHRONIC LOWER RESPIRATORY DISEASE		CHRONIC LIVER DISEASE AND CIRRHOSIS	
	2010-2012	2013-2015	2010-2012	2013-2015	2010-2012	2013-2015
CALIFORNIA	15.9	15.2	35.8	33.3	11.5	12.1
ALAMEDA	13.7	13.2	28.4	26.7	9.0	9.1
ALPINE	-	-	-	-	-	63.9 *
AMADOR	22.9 *	23.5 *	46.4	38.2	13.2 *	11.1 *
BUTTE	15.0	16.6	57.8	47.1	15.8	16.4
CALAVERAS	13.8 *	15.9 *	43.3	35.2	10.5 *	10.3 *
COLUSA	11.6 *	5.9 *	52.3 *	41.2 *	10.9 *	13.2 *
CONTRA COSTA	10.8	10.3	33.7	31.1	9.2	8.8
DEL NORTE	14.8 *	23.4 *	53.6 *	58.5 *	17.6 *	12.9 *
EL DORADO	12.3	13.1	40.1	35.6	10.4	13.1
FRESNO	21.5	20.6	35.6	34.5	15.1	15.9
GLENN	14.7 *	20.7 *	54.7 *	48.6 *	7.7 *	15.8 *
HUMBOLDT	11.5 *	7.9 *	56.2	48.3	16.2	24.0
IMPERIAL	11.1 *	21.0	19.6	21.6	15.2	14.7
INYO	8.0 *	5.6 *	46.9 *	38.5 *	15.4 *	9.2 *
KERN	19.0	15.3	62.8	55.3	12.7	14.5
KINGS	17.2 *	19.3	42.2	37.2	15.8	16.4
LAKE	20.2 *	17.1 *	66.8	65.2	23.3	25.9
LASSEN	14.3 *	13.2 *	24.6 *	34.2 *	8.6 *	5.0 *
LOS ANGELES	21.6	20.9	30.9	28.8	12.4	13.0
MADERA	15.7	15.1	43.1	39.7	14.8	19.5
MARIN	11.5	10.3	21.3	19.0	7.0	5.5
MARIPOSA	13.3 *	5.9 *	31.9 *	39.1 *	11.8 *	14.9 *
MENDOCINO	12.0 *	14.1 *	49.1	40.2	13.9 *	14.2 *
MERCED	15.4	16.6	44.1	42.2	14.4	16.9
MODOC	11.0 *	17.3 *	61.0 *	56.0 *	10.6 *	12.3 *
MONO	5.4 *	5.1 *	6.7 *	18.1 *	2.9 *	9.7 *
MONTEREY	11.1	12.6	29.4	26.6	10.2	10.8
NAPA	14.8	13.2	33.1	27.4	12.3 *	9.3 *
NEVADA	13.9	13.2	41.9	42.0	10.5 *	10.4 *
ORANGE	17.1	15.8	31.0	28.2	9.4	10.3
PLACER	13.4	9.4	36.0	33.7	9.1	12.2
PLUMAS	11.3 *	12.0 *	49.1 *	46.9 *	5.7 *	21.9 *
RIVERSIDE	11.5	11.7	45.6	43.0	11.7	13.2
SACRAMENTO	19.0	15.4	42.8	41.4	10.9	11.8
SAN BENITO	16.0 *	20.9 *	30.0 *	33.0 *	9.9 *	5.8 *
SAN BERNARDINO	12.1	14.2	56.5	53.4	13.1	15.2
SAN DIEGO	9.3	9.4	34.0	30.8	10.3	10.0
SAN FRANCISCO	14.2	11.6	20.8	18.9	8.2	8.4
SAN JOAQUIN	17.0	18.4	45.2	47.1	15.7	16.7
SAN LUIS OBISPO	8.8	9.7	36.6	32.8	12.1	14.7
SAN MATEO	17.0	12.9	25.2	21.2	9.0	8.5
SANTA BARBARA	11.6	10.5	25.0	27.8	12.4	12.4
SANTA CLARA	13.1	11.2	24.1	21.1	9.0	8.5
SANTA CRUZ	12.9	12.4	28.1	25.0	12.6	13.1
SHASTA	11.2	14.2	70.8	75.9	16.5	19.0
SIERRA	21.3 *	-	44.2 *	27.5 *	10.7 *	13.9 *
SISKIYOU	12.1 *	16.2 *	56.9	58.4	17.6 *	21.0 *
SOLANO	18.8	18.1	43.0	39.1	12.2	9.8
SONOMA	8.1	9.8	39.0	33.1	11.9	11.4
STANISLAUS	18.5	18.0	52.0	48.4	13.5	15.1
SUTTER	14.9 *	16.7 *	51.6	48.5	11.9 *	16.8 *
TEHAMA	12.1 *	14.3 *	73.0	57.3	19.5 *	16.7 *
TRINITY	8.2 *	10.3 *	29.8 *	54.0 *	23.2 *	27.4 *
TULARE	24.0	21.6	48.0	41.7	16.4	17.3
TUOLUMNE	14.1 *	14.3 *	40.3	46.5	16.6 *	16.5 *
VENTURA	9.8	9.9	32.2	30.2	10.3	10.1
YOLO	20.3	12.8	52.0	44.5	13.2	15.3
YUBA	21.1 *	18.3 *	65.7	77.4	13.9 *	18.4 *

- Rates and percentages are not calculated for zero events.
* Rates and percentages are deemed unreliable based on fewer than 20 data elements.
Note: Age-adjusted death rates are per 100,000 population and exclude multiple causes of death.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES (THREE-YEAR AVERAGE)					
	ACCIDENTS (UNINTENTIONAL INJURIES)		MOTOR VEHICLE TRAFFIC CRASHES		SUICIDE	
	2010-2012	2013-2015	2010-2012	2013-2015	2010-2012	2013-2015
CALIFORNIA	27.2	29.1	7.3	8.3	10.1	10.3
ALAMEDA	20.8	25.6	4.3	5.6	8.6	9.2
ALPINE	84.6 *	31.7 *	44.1 *	-	-	-
AMADOR	50.5	43.7 *	13.8 *	14.6 *	26.3 *	27.4 *
BUTTE	65.9	58.4	13.7	10.8	17.3	16.9
CALAVERAS	43.1	43.0	19.7 *	25.7 *	27.9 *	26.5 *
COLUSA	37.7 *	49.0 *	19.6 *	20.4 *	13.2 *	29.1 *
CONTRA COSTA	25.0	24.9	5.5	6.2	10.8	9.3
DEL NORTE	56.3 *	62.5	22.7 *	22.8 *	23.1 *	20.3 *
EL DORADO	38.0	46.0	8.3 *	12.5	19.5	13.3
FRESNO	36.0	40.0	12.2	14.0	8.4	11.2
GLENN	49.5 *	64.6 *	12.2 *	14.3 *	7.0 *	18.1 *
HUMBOLDT	69.3	66.4	17.3	19.0	23.2	24.8
IMPERIAL	30.5	41.2	9.1 *	11.3	7.2 *	7.9 *
INYO	34.6 *	42.8 *	6.0 *	7.4 *	17.4 *	11.6 *
KERN	41.4	48.7	12.4	13.9	11.6	13.9
KINGS	36.7	37.3	13.8	11.5 *	7.7 *	9.7 *
LAKE	88.0	91.0	24.1 *	22.8 *	24.5 *	27.2 *
LASSEN	41.9 *	50.5 *	12.0 *	12.1 *	11.7 *	22.5 *
LOS ANGELES	19.5	21.2	6.2	6.8	7.7	7.7
MADERA	41.7	43.0	16.3	16.1	17.3	11.8 *
MARIN	26.8	25.8	3.0 *	4.5 *	12.9	12.4
MARIPOSA	43.8 *	54.0 *	17.7 *	23.5 *	24.8 *	33.5 *
MENDOCINO	51.0	56.2	16.5 *	14.2 *	19.1 *	23.6
MERCED	43.5	47.8	13.9	17.2	12.2	10.1
MODOC	71.8 *	51.1 *	24.3 *	14.4 *	21.1 *	18.4 *
MONO	26.1 *	31.5 *	12.7 *	8.4 *	9.1 *	7.6 *
MONTEREY	30.7	30.7	8.3	8.7	9.1	10.1
NAPA	29.3	29.8	8.4 *	7.4 *	12.6 *	10.9 *
NEVADA	39.7	47.6	13.3 *	12.0 *	18.9	20.3
ORANGE	20.8	23.4	4.6	6.1	9.4	9.7
PLACER	28.2	28.3	7.6	6.6	12.9	11.3
PLUMAS	54.3 *	82.2 *	10.5 *	16.2 *	17.9 *	24.6 *
RIVERSIDE	31.2	33.6	9.5	10.4	10.3	10.3
SACRAMENTO	31.6	36.1	8.2	8.9	12.6	13.8
SAN BENITO	31.7 *	45.6	10.8 *	19.5 *	8.8 *	5.5 *
SAN BERNARDINO	24.9	26.5	9.8	11.9	10.6	10.1
SAN DIEGO	30.2	30.6	6.3	6.4	11.8	12.5
SAN FRANCISCO	31.0	31.0	2.5	4.0	9.8	8.7
SAN JOAQUIN	41.8	39.2	10.7	11.8	10.8	10.9
SAN LUIS OBISPO	33.9	35.1	7.7	9.7	16.8	15.7
SAN MATEO	20.9	20.8	4.4	5.0	8.5	7.0
SANTA BARBARA	25.8	29.7	6.7	6.6	10.4	12.4
SANTA CLARA	22.7	23.5	5.1	6.4	8.1	7.9
SANTA CRUZ	32.5	37.8	4.8 *	8.4	13.4	14.7
SHASTA	60.3	56.9	13.3	16.2	22.6	22.3
SIERRA	40.7 *	36.5 *	-	9.7 *	23.2 *	34.0 *
SISKIYOU	67.2	62.9	19.4 *	12.5 *	22.0 *	24.1 *
SOLANO	27.5	35.7	7.2	11.7	12.3	12.6
SONOMA	26.1	31.6	5.2	6.6	12.7	12.5
STANISLAUS	38.0	39.9	12.0	12.5	10.6	10.6
SUTTER	42.0	34.3	14.7 *	15.5 *	12.1 *	15.6 *
TEHAMA	66.0	46.9	19.6 *	15.2 *	19.2 *	18.0 *
TRINITY	62.6 *	90.8 *	21.9 *	32.7 *	27.1 *	22.0 *
TULARE	33.7	37.4	13.4	15.6	10.6	11.1
TUOLUMNE	57.2	56.8	14.8 *	9.5 *	18.4 *	17.0 *
VENTURA	28.1	30.2	6.8	7.2	10.5	12.0
YOLO	30.9	36.9	8.6 *	9.9	8.9 *	9.4 *
YUBA	58.9	57.6	9.5 *	14.5 *	14.1 *	18.3 *

- Rates and percentages are not calculated for zero events.
* Rates and percentages are deemed unreliable based on fewer than 20 data elements.
Note: Age-adjusted death rates are per 100,000 population and exclude multiple causes of death.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	AGE-ADJUSTED DEATH RATES (THREE-YEAR AVERAGE)					
	HOMICIDE		FIREARM-RELATED DEATHS		DRUG-INDUCED DEATHS	
	2010-2012	2013-2015	2010-2012	2013-2015	2010-2012	2013-2015
CALIFORNIA	5.2	4.8	7.7	7.6	10.8	11.8
ALAMEDA	8.6	6.9	10.2	8.5	8.8	10.8
ALPINE	-	-	-	-	-	-
AMADOR	3.9 *	6.4 *	15.5 *	12.5 *	25.1 *	20.9 *
BUTTE	4.4 *	3.2 *	10.9	10.0	37.0	27.6
CALAVERAS	1.0 *	5.6 *	16.6 *	18.8 *	28.9 *	19.5 *
COLUSA	6.7 *	-	12.6 *	16.6 *	4.4 *	8.1 *
CONTRA COSTA	7.3	6.3	10.3	8.9	10.6	11.4
DEL NORTE	9.2 *	6.2 *	19.2 *	18.8 *	9.0 *	18.2 *
EL DORADO	2.9 *	2.1 *	10.6	10.0	19.2	19.7
FRESNO	7.9	6.5	9.3	9.8	10.4	13.8
GLENN	1.1 *	5.9 *	7.7 *	12.1 *	18.2 *	20.2 *
HUMBOLDT	3.8 *	7.9 *	11.5 *	16.2	36.9	33.3
IMPERIAL	2.4 *	1.5 *	5.1 *	3.6 *	11.5 *	18.4
INYO	1.9 *	-	12.6 *	4.6 *	9.2 *	21.8 *
KERN	8.3	8.2	11.3	12.1	19.0	23.7
KINGS	5.9 *	4.1 *	4.8 *	5.5 *	8.7 *	14.0
LAKE	6.8 *	13.8 *	14.5 *	23.5 *	42.6	48.3
LASSEN	4.6 *	5.9 *	7.1 *	17.8 *	20.6 *	26.1 *
LOS ANGELES	6.0	5.6	7.4	6.9	6.7	7.3
MADERA	5.8 *	5.5 *	11.0 *	9.1 *	16.0	16.4
MARIN	1.2 *	1.7 *	5.3 *	4.9 *	11.3	9.0
MARIPOSA	3.2 *	5.9 *	17.6 *	23.2 *	17.8 *	19.5 *
MENDOCINO	5.8 *	4.6 *	14.6 *	15.3 *	14.4 *	23.3
MERCED	7.4 *	10.7	10.4	11.0	13.9	15.0
MODOC	13.8 *	17.5 *	29.7 *	23.8 *	28.0 *	21.2 *
MONO	-	-	7.1 *	1.8 *	11.6 *	7.3 *
MONTEREY	9.5	10.9	10.6	14.0	10.7	12.3
NAPA	1.2 *	1.5 *	7.0 *	5.1 *	11.3 *	11.2 *
NEVADA	3.1 *	1.3 *	11.9 *	12.3 *	15.1 *	22.8
ORANGE	2.3	1.9	4.8	4.5	10.0	11.3
PLACER	2.0 *	1.7 *	8.2	6.0	7.5	10.4
PLUMAS	2.9 *	3.4 *	11.9 *	14.3 *	34.0 *	45.9 *
RIVERSIDE	4.2	4.2	6.9	7.4	12.4	14.8
SACRAMENTO	6.0	6.5	9.4	10.2	14.3	17.3
SAN BENITO	4.8 *	3.3 *	5.4 *	4.6 *	9.6 *	10.0 *
SAN BERNARDINO	6.0	5.9	9.1	8.9	9.2	10.6
SAN DIEGO	2.9	2.7	5.9	6.1	12.6	13.0
SAN FRANCISCO	6.2	4.0	6.0	4.1	17.9	17.1
SAN JOAQUIN	12.0	9.4	14.1	11.5	18.4	16.8
SAN LUIS OBISPO	1.8 *	1.5 *	8.4	8.1	14.9	15.2
SAN MATEO	3.2	2.1 *	4.7	4.0	7.3	7.9
SANTA BARBARA	2.6 *	3.2 *	6.0	6.0	11.5	14.3
SANTA CLARA	2.8	2.6	4.3	4.3	7.5	7.3
SANTA CRUZ	4.5 *	3.4 *	8.0	7.3	18.9	18.1
SHASTA	3.7 *	6.5 *	13.9	15.0	28.3	23.6
SIERRA	-	-	8.2 *	24.3 *	40.7 *	18.1 *
SISKIYOU	5.0 *	3.6 *	16.6 *	14.7 *	25.4 *	21.7 *
SOLANO	8.8	8.7	12.0	13.3	11.6	13.9
SONOMA	2.4 *	1.9 *	6.7	5.9	12.7	12.0
STANISLAUS	6.9	5.7	9.6	9.2	16.6	17.0
SUTTER	5.6 *	2.6 *	10.6 *	11.6 *	15.6 *	12.4 *
TEHAMA	4.0 *	6.2 *	12.0 *	13.4 *	16.1 *	10.4 *
TRINITY	13.9 *	10.7 *	26.5 *	32.2 *	15.5 *	16.5 *
TULARE	7.7	9.6	11.2	12.5	8.2	10.0
TUOLUMNE	1.9 *	3.1 *	12.3 *	11.0 *	27.5 *	28.7 *
VENTURA	2.5	3.3	5.6	7.5	12.8	14.0
YOLO	1.7 *	2.4 *	3.6 *	5.9 *	10.7	13.7
YUBA	5.0 *	6.1 *	8.3 *	13.9 *	6.5 *	13.0 *

- Rates and percentages are not calculated for zero events.
* Rates and percentages are deemed unreliable based on fewer than 20 data elements.
Note: Age-adjusted death rates are per 100,000 population and exclude multiple causes of death.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	MORBIDITY RATES (THREE-YEAR AVERAGE)					
	REPORTED INCIDENCE OF AIDS AGES 13 AND OVER		REPORTED INCIDENCE OF CHLAMYDIA		REPORTED INCIDENCE OF FEMALE GONORRHEA AGES 15-44	
	2010-2012	2013-2015	2010-2012	2013-2015	2010-2012	2013-2015
CALIFORNIA	9.0	6.5	434.1	460.2	139.9	192.2
ALAMEDA	11.7	7.0	441.0	454.1	213.7	236.0
ALPINE	-	-	82.4 *	160.9 *	-	-
AMADOR	3.9 *	1.0 *	170.0	174.7	49.3 *	155.0 *
BUTTE	1.2 *	2.6 *	383.0	466.0	74.4	259.1
CALAVERAS	1.7 *	3.3 *	145.4	148.0	47.3 *	94.7 *
COLUSA	1.9 *	-	141.1	181.2	-	86.6 *
CONTRA COSTA	7.2	4.1	381.0	395.3	232.9	217.4
DEL NORTE	1.4 *	-	163.0	200.2	15.5 *	180.3 *
EL DORADO	1.5 *	1.5 *	141.4	189.7	26.9 *	68.7
FRESNO	8.6	6.1	646.1	610.7	318.3	426.0
GLENN	1.5 *	1.4 *	240.1	274.8	75.8 *	143.8 *
HUMBOLDT	1.1 *	3.1 *	277.8	353.1	85.2	300.7
IMPERIAL	6.6 *	4.6 *	369.7	371.3	39.0 *	89.7
INYO	-	6.0 *	231.6	330.8	11.4 *	45.4 *
KERN	6.9	4.7	661.4	714.8	287.2	364.6
KINGS	3.5 *	2.1 *	359.1	365.7	54.7 *	230.7
LAKE	3.6 *	3.6 *	268.1	297.9	229.9	434.0
LASSEN	4.3 *	-	182.8	222.6	7.4 *	50.6 *
LOS ANGELES	13.5	9.8	505.9	537.0	163.1	197.1
MADERA	3.0 *	2.7 *	448.4	469.6	175.7	249.2
MARIN	4.6 *	3.9 *	213.3	224.2	60.9	88.6
MARIPOSA	8.3 *	-	99.3 *	167.7	12.7 *	115.0 *
MENDOCINO	1.3 *	1.3 *	330.9	364.1	77.9 *	179.0
MERCED	3.8 *	1.9 *	403.8	397.8	71.1	171.1
MODOC	-	-	54.8 *	95.8 *	-	21.5 *
MONO	-	-	189.2	180.1	12.0 *	12.0 *
MONTEREY	4.1 *	4.4 *	374.5	394.3	65.5	152.6
NAPA	5.4 *	3.6 *	221.9	264.9	47.3 *	82.5
NEVADA	1.5 *	1.1 *	156.3	210.9	40.4 *	81.0 *
ORANGE	5.9	4.7	270.6	311.6	54.4	90.4
PLACER	1.7 *	0.6 *	196.6	238.5	58.9	92.1
PLUMAS	-	-	253.3	297.0	-	36.7 *
RIVERSIDE	6.6	5.9	374.8	398.7	94.1	143.8
SACRAMENTO	7.9	4.2	602.1	549.9	330.2	369.9
SAN BENITO	1.5 *	0.7 *	361.0	288.6	91.2 *	133.5 *
SAN BERNARDINO	6.4	5.3	507.6	522.0	170.7	261.3
SAN DIEGO	10.1	8.5	503.1	510.1	94.2	133.1
SAN FRANCISCO	36.7	20.0	582.1	743.5	113.9	154.4
SAN JOAQUIN	6.4	6.0	531.8	488.3	247.8	325.9
SAN LUIS OBISPO	2.8 *	3.1 *	290.9	378.5	41.4	86.1
SAN MATEO	4.4	3.1 *	261.5	285.3	43.3	64.6
SANTA BARBARA	3.0 *	2.8 *	384.2	472.9	58.5	99.0
SANTA CLARA	7.0	4.0	308.0	331.1	69.7	127.9
SANTA CRUZ	4.0 *	2.0 *	297.4	354.0	57.6	108.0
SHASTA	1.5 *	3.5 *	296.2	354.3	145.0	495.0
SIERRA	-	-	71.5 *	91.8 *	81.1 *	250.6 *
SISKIYOU	5.2 *	3.4 *	176.0	202.4	45.3 *	114.9 *
SOLANO	6.0	3.9 *	469.6	519.9	240.5	307.6
SONOMA	5.2	3.1 *	281.0	333.0	50.4	108.3
STANISLAUS	3.7 *	3.0 *	374.8	413.6	86.7	252.4
SUTTER	1.3 *	1.7 *	245.1	320.5	76.3 *	209.1
TEHAMA	0.6 *	-	287.9	298.2	62.6 *	284.2
TRINITY	2.7 *	-	103.8 *	133.0 *	-	85.6 *
TULARE	4.5 *	3.5 *	404.8	493.7	56.5	207.1
TUOLUMNE	4.1 *	-	188.7	176.5	96.5 *	113.6 *
VENTURA	3.0	2.7 *	298.4	303.5	70.9	103.7
YOLO	2.3 *	1.9 *	293.0	357.9	51.6	134.4
YUBA	2.9 *	2.3 *	286.2	330.8	94.2 *	239.9

- Rates are not calculated for zero events.
* Rates are deemed unreliable based on fewer than 20 data elements.
Note: The morbidity rates are crude case rates per 100,000 population.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	MORBIDITY RATES (THREE-YEAR AVERAGE)				MORTALITY RATES (THREE-YEAR AVERAGE)	
	REPORTED INCIDENCE OF MALE GONORRHEA AGES 15-44		REPORTED INCIDENCE OF TUBERCULOSIS		INFANT MORTALITY ALL RACE/ETHNIC GROUPS	
	2010-2012	2013-2015	2010-2012	2013-2015	2009-2011	2012-2014
CALIFORNIA	186.5	307.3	6.1	5.6	4.9	4.6
ALAMEDA	242.6	381.1	10.1	8.0	4.5	4.2
ALPINE	-	-	-	-	-	-
AMADOR	17.5 *	49.0 *	1.8 *	-	2.4 *	4.8 *
BUTTE	52.3	232.3	0.9 *	1.9 *	4.9 *	5.6 *
CALAVERAS	19.8 *	130.5 *	1.5 *	0.7 *	6.9 *	3.9 *
COLUSA	14.8 *	87.1 *	7.7 *	-	6.0 *	3.3 *
CONTRA COSTA	149.9	233.5	4.7	4.6	5.0	4.2
DEL NORTE	-	97.0 *	-	-	7.7 *	4.3 *
EL DORADO	23.4 *	89.8	1.1 *	1.6 *	3.4 *	2.8 *
FRESNO	221.9	329.0	4.8	4.4	7.0	7.4
GLENN	41.5 *	76.4 *	4.7 *	2.3 *	5.6 *	2.5 *
HUMBOLDT	64.7 *	293.1	1.7 *	1.0 *	5.7 *	6.6 *
IMPERIAL	40.3 *	70.6	15.2	19.3	4.5 *	3.0 *
INYO	31.1 *	82.0 *	1.8 *	-	3.1 *	3.0 *
KERN	237.9	388.3	4.3	3.7	6.2	6.4
KINGS	39.1 *	143.5	3.3 *	3.0 *	6.0 *	5.1 *
LAKE	139.6 *	281.7	2.6 *	1.0 *	7.4 *	6.2 *
LASSEN	18.9 *	45.5 *	1.9 *	-	5.3 *	3.3 *
LOS ANGELES	272.8	423.3	7.1	6.5	4.9	4.4
MADERA	78.8	200.5	5.5 *	3.9 *	6.1 *	4.8 *
MARIN	86.3	130.6	5.0 *	4.0 *	3.0 *	4.1 *
MARIPOSA	35.6 *	59.1 *	-	-	-	6.9 *
MENDOCINO	35.9 *	118.9 *	1.5 *	0.8 *	6.8 *	7.5 *
MERCED	63.7	179.3	4.0 *	4.6 *	5.3	4.0 *
MODOC	20.3 *	38.5 *	-	-	10.3 *	17.5 *
MONO	9.8 *	89.7 *	-	-	4.5 *	4.7 *
MONTEREY	62.9	165.2	5.1	4.0 *	4.6	5.0
NAPA	35.9 *	101.0	3.6 *	2.1 *	5.1 *	4.1 *
NEVADA	24.9 *	76.1 *	0.7 *	0.3 *	5.6 *	3.3 *
ORANGE	97.1	165.9	6.8	5.7	4.0	3.3
PLACER	57.7	99.0	1.4 *	1.3 *	4.3 *	4.6 *
PLUMAS	44.3 *	79.4 *	-	-	8.2 *	4.4 *
RIVERSIDE	87.0	178.8	3.0	2.5	5.0	4.9
SACRAMENTO	265.3	354.7	4.7	5.2	5.4	5.4
SAN BENITO	69.5 *	168.6	2.4 *	1.7 *	5.8 *	3.3 *
SAN BERNARDINO	139.9	244.7	2.8	2.8	6.5	6.5
SAN DIEGO	180.1	265.5	7.6	6.8	4.4	4.1
SAN FRANCISCO	785.7	1217.7	13.2	12.5	3.1	3.3
SAN JOAQUIN	197.4	315.7	6.4	7.2	6.0	6.1
SAN LUIS OBISPO	46.5	122.7	1.6 *	1.1 *	5.3 *	6.3 *
SAN MATEO	93.2	172.0	7.9	8.4	2.9	2.3
SANTA BARBARA	54.8	112.7	5.9	5.7	4.5	3.5
SANTA CLARA	98.3	200.0	10.1	9.6	3.3	3.4
SANTA CRUZ	62.3	148.1	3.4 *	1.5 *	3.0 *	4.9 *
SHASTA	107.0	454.1	0.6 *	1.9 *	6.3 *	4.7 *
SIERRA	75.1 *	227.8 *	-	-	-	-
SISKIYOU	64.7 *	132.3 *	-	0.7 *	7.2 *	6.4 *
SOLANO	157.0	294.3	5.7	4.6 *	5.5	5.8
SONOMA	63.9	149.3	2.4 *	1.9 *	4.7	2.9 *
STANISLAUS	79.4	310.1	2.1 *	2.6 *	5.3	6.3
SUTTER	49.3 *	170.0	4.9 *	2.7 *	4.6 *	4.9 *
TEHAMA	70.8 *	252.9	0.5 *	-	8.2 *	4.8 *
TRINITY	30.8 *	46.8 *	-	2.4 *	2.9 *	5.9 *
TULARE	57.4	218.8	4.3 *	3.5 *	5.0	5.5
TUOLUMNE	39.4 *	112.1 *	-	-	2.2 *	7.2 *
VENTURA	67.2	130.4	4.1	3.9	4.5	5.1
YOLO	67.6	185.3	2.3 *	4.0 *	3.0 *	4.2 *
YUBA	36.9 *	200.6	1.8 *	3.1 *	4.0 *	5.5 *

- Rates and percentages are not calculated for zero events.
* Rates and percentages are deemed unreliable based on fewer than 20 data elements.
Note: The morbidity rates are crude case rates per 100,000 population.
The infant mortality rates are per 1,000 live births.

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

COUNTY OF RESIDENCE	PERCENT LOW BIRTHWEIGHT INFANTS (THREE-YEAR AVERAGE)		AGE-SPECIFIC BIRTH RATE BIRTHS TO ADOLESCENT MOTHERS, 15 TO 19 YEARS OLD (THREE-YEAR AVERAGE)		PERCENT FIRST TRIMESTER PRENATAL CARE (THREE-YEAR AVERAGE)	
	2010-2012	2013-2015	2010-2012	2013-2015	2010-2012	2013-2015
CALIFORNIA	6.8	6.8	28.7	21.0	83.6	83.3
ALAMEDA	7.4	7.2	19.7	12.8	88.7	90.3
ALPINE	11.1 *	14.3 *	19.0 *	22.7 *	64.7 *	30.8 *
AMADOR	7.4	6.9 *	18.3 *	19.1 *	87.0	86.3
BUTTE	5.8	6.3	23.6	18.5	74.6	72.3
CALAVERAS	4.4 *	5.4 *	18.7	10.0 *	79.8	78.7
COLUSA	6.2 *	6.7	33.6	31.4	72.0	72.0
CONTRA COSTA	6.9	6.8	17.2	11.6	84.4	86.4
DEL NORTE	4.4 *	5.9 *	51.3	43.1	78.6	71.1
EL DORADO	6.3	6.6	12.7	9.2	78.6	80.5
FRESNO	7.7	7.9	47.0	34.9	88.3	88.0
GLENN	5.9	7.1	38.0	29.1	67.3	67.5
HUMBOLDT	5.2	5.6	24.4	20.2	79.8	76.5
IMPERIAL	5.6	5.4	50.5	43.2	55.7	39.2
INYO	8.5 *	7.1 *	31.7 *	29.1 *	79.2	76.7
KERN	7.0	7.2	53.3	40.7	75.9	76.2
KINGS	6.4	6.3	50.3	38.1	75.4	69.4
LAKE	6.4	6.8	37.7	33.4	68.4	69.5
LASSEN	6.8	7.8	33.3	21.5 *	75.7	73.6
LOS ANGELES	7.1	7.1	29.1	20.9	85.6	84.8
MADERA	6.6	5.9	49.6	39.7	74.8	74.0
MARIN	5.8	6.2	9.9	6.6	93.9	91.0
MARIPOSA	7.1 *	6.4 *	23.3 *	18.8 *	71.9	68.1
MENDOCINO	5.6	6.1	36.8	27.5	67.7	68.6
MERCED	6.8	6.1	41.6	32.8	63.3	66.1
MODOC	6.4 *	6.4 *	28.0 *	13.6 *	71.6	62.3
MONO	6.2 *	8.9 *	19.8 *	20.6 *	76.2	74.5
MONTEREY	5.8	6.1	46.5	34.2	72.3	74.0
NAPA	5.9	5.8	21.5	14.9	85.1	88.3
NEVADA	5.5	6.3	14.5	11.3	75.0	73.5
ORANGE	6.5	6.3	20.6	14.9	89.7	88.1
PLACER	5.9	5.5	11.7	7.5	85.3	82.6
PLUMAS	6.6 *	10.4 *	23.7 *	14.4 *	75.8	72.7
RIVERSIDE	6.4	6.6	29.0	21.9	84.7	83.4
SACRAMENTO	6.9	6.9	28.4	20.2	81.4	82.5
SAN BENITO	5.9	6.7	21.4	20.0	85.0	83.1
SAN BERNARDINO	7.2	7.3	35.8	27.4	83.1	83.5
SAN DIEGO	6.5	6.5	27.5	20.3	83.5	84.2
SAN FRANCISCO	7.0	6.9	14.1	10.0	88.5	88.3
SAN JOAQUIN	7.0	7.2	33.3	24.2	77.0	76.5
SAN LUIS OBISPO	5.5	6.1	16.5	14.1	80.4	80.2
SAN MATEO	6.8	7.0	15.4	10.6	90.2	89.8
SANTA BARBARA	5.9	6.2	31.1	24.2	75.0	77.1
SANTA CLARA	6.8	7.0	19.2	12.4	85.2	84.6
SANTA CRUZ	5.6	5.7	23.5	17.1	82.6	82.5
SHASTA	6.0	6.0	29.7	24.5	68.3	70.7
SIERRA	4.6 *	7.6 *	7.8 *	37.6 *	72.4 *	64.1 *
SISKIYOU	7.3	8.5	35.4	25.0	77.1	77.6
SOLANO	6.7	6.7	23.8	17.8	77.8	79.4
SONOMA	5.7	5.6	19.7	12.5	83.5	85.9
STANISLAUS	6.1	6.2	35.9	27.7	78.0	78.6
SUTTER	6.0	6.4	29.1	20.6	69.2	68.5
TEHAMA	6.2	6.2	35.1	32.1	70.2	69.4
TRINITY	4.5 *	7.6 *	36.2 *	15.4 *	56.2	60.3
TULARE	6.1	6.8	53.6	38.5	80.5	78.9
TUOLUMNE	4.4	6.6	15.6	19.9	81.9	74.9
VENTURA	6.3	6.3	26.9	19.4	82.2	82.7
YOLO	5.6	5.7	16.7	11.3	82.7	82.8
YUBA	5.6	6.4	40.6	30.0	69.8	68.7

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

TABLE 30 (continued)
A COMPARISON OF THREE-YEAR AVERAGE RATES OR PERCENTAGES
AMONG SELECTED HEALTH STATUS INDICATORS

	PERCENT ADEQUATE/ADEQUATE PLUS PRENATAL CARE (THREE-YEAR AVERAGE)		PERCENT BREASTFED BIRTHS WITH KNOWN FEEDING METHOD (THREE-YEAR AVERAGE)	
COUNTY OF RESIDENCE	2010-2012	2013-2015	2010-2012	2013-2015
CALIFORNIA	79.5	78.3	91.6	93.5
ALAMEDA	78.9	77.1	96.3	97.1
ALPINE	76.5 *	53.8 *	72.7 *	80.0 *
AMADOR	85.3	87.1	93.4	95.7
BUTTE	77.5	77.4	90.6	92.7
CALAVERAS	80.8	79.9	93.6	95.3
COLUSA	79.1	77.6	87.6	92.2
CONTRA COSTA	76.6	77.9	95.5	96.4
DEL NORTE	81.6	75.8	89.5	90.3
EL DORADO	78.8	79.1	95.7	96.6
FRESNO	89.6	89.3	83.2	86.8
GLENN	77.9	78.2	92.7	93.8
HUMBOLDT	77.5	75.4	94.1	93.0
IMPERIAL	58.1	44.5	89.3	91.9
INYO	78.9	77.7	95.8	97.7
KERN	72.8	71.7	85.1	88.6
KINGS	72.5	65.8	80.4	85.3
LAKE	66.3	65.0	91.1	92.4
LASSEN	64.9	59.4	93.4	94.2
LOS ANGELES	82.4	80.1	90.7	93.5
MADERA	68.7	68.6	90.6	91.5
MARIN	86.3	86.3	98.6	98.7
MARIPOSA	67.7	62.6	93.6	97.0
MENDOCINO	76.1	76.0	95.2	96.0
MERCED	61.6	62.1	88.6	91.5
MODOC	64.6	60.6	90.0	89.7
MONO	81.5	79.3	97.0	96.8
MONTEREY	71.8	77.0	96.5	96.7
NAPA	77.3	77.5	96.5	97.4
NEVADA	76.5	74.8	96.5	97.7
ORANGE	88.8	86.1	93.1	94.7
PLACER	83.4	83.2	94.9	96.0
PLUMAS	71.9	56.0	95.1	96.2
RIVERSIDE	81.5	77.1	91.4	92.2
SACRAMENTO	78.3	79.3	90.1	92.0
SAN BENITO	78.1	81.5	95.7	94.0
SAN BERNARDINO	76.3	72.4	86.5	88.8
SAN DIEGO	73.9	74.2	94.9	96.0
SAN FRANCISCO	80.7	79.9	96.3	96.9
SAN JOAQUIN	71.8	72.3	87.0	89.0
SAN LUIS OBISPO	86.6	86.8	96.7	97.3
SAN MATEO	84.2	83.0	96.9	97.2
SANTA BARBARA	81.4	84.0	95.2	95.6
SANTA CLARA	77.3	76.2	96.2	96.9
SANTA CRUZ	84.3	84.8	98.1	98.5
SHASTA	73.3	79.4	93.7	95.1
SIERRA	70.7 *	62.5 *	96.9 *	92.3 *
SISKIYOU	76.5	77.1	91.1	94.6
SOLANO	66.9	69.3	93.3	94.6
SONOMA	75.0	80.0	97.0	97.5
STANISLAUS	70.1	68.4	86.3	88.7
SUTTER	79.9	79.5	88.4	90.9
TEHAMA	75.0	75.7	91.4	94.3
TRINITY	64.3	65.0	96.8	95.3
TULARE	79.2	81.2	84.2	88.7
TUOLUMNE	81.1	78.8	95.4	95.9
VENTURA	82.3	84.6	94.8	95.7
YOLO	80.3	81.8	95.1	96.5
YUBA	78.8	77.5	85.5	89.9

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

TECHNICAL NOTES

DATA SOURCES

The Center for Health Statistics and Informatics, Vital Records, was the source for the birth and death data in this report. Data were tabulated from the Birth Statistical Master Files for the years 2010 through 2015. Death data were tabulated from the Death Statistical Master Files for the years 2010 to 2013. For the data years 2014 and 2015, the California Comprehensive Data File (CCDF) November 1, 2016 extractions provided the source data. The CCDF provides continuously evolving data refinement as warranted. The linked births-deaths in the Birth Cohort-Perinatal Outcome Files for the years 2009 through 2014 are based on the Statistical Master Files. For additional information, please visit Vital Statistics Data.

The Division of Communicable Disease Control, Sexually Transmitted Diseases Control Branch and the Tuberculosis Control Branch, were the sources for the reported case incidence of chlamydia, gonorrhea, and tuberculosis. The Office of AIDS Surveillance Section, provided incidence data of diagnosed AIDS cases. The 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 State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 2014, provided by the Demographic Research Unit, were used in the development of the age-adjusted rates, crude case rates, and age-specific birth rates for the current period (2013-2015) and previous period (2010-2012).

Estimates of persons under age 18 in poverty are obtained from the U.S. Census Bureau at http://www.census.gov/did/www/saipe/data/statecounty/data/2014.html.

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).

Following is a list of the mortality tables in this report and the ICD-10 codes used to create these tables. The ICD-10 codes used to collect the mortality data for the tables, per Healthy People 2020 Objectives, where applicable, are current as of December 30, 2016.

Table 1: All Causes of Death.....A00-Y89
Table 2: All Cancers C00-C97
Table 3: Colorectal Cancer.....C18-C21, C26.0
Table 4: Lung Cancer.....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	I20-I25
Table 10: Cerebrovascular Disease (Stroke)	I60-I69
Table 11: Influenza/Pneumonia	J09-J18
Table 12: Chronic Lower Respiratory Disease	J40-J47
Table 13: Chronic Liver Disease and Cirrhosis	K70, K73-74
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-X84,87.0
Table 17: Homicide	U01-U02, X85-Y09, Y87.1
Table 18: Firearm-Related Deaths	U01.4, W32-W34, X72-74, X93-X95, Y22-Y24, Y35.0
Table 19: Drug-Induced Deaths	D52.1, D59.0,D59.2,D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, L10.5, L27.0, L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R78.1-R78.5, X40-X44, X60-X64, X85, Y10-Y14

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

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

The Healthy People 2020 objective HIV-4 to reduce new AIDS cases among adolescents and adults has been archived and is therefore not included in this report. For more information and a description of this change, please visit http://www.healthypeople.gov.

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 (MacDorman and Mathews, 2008).

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

Because birth and death certificate registration 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 hospital follow-back is conducted to resolve questionable cases, cohort files cannot be as timely as the Statistical Master Files. However, the Birth Cohort-Perinatal Outcome Files are more complete and accurate. In the case of the 2012, 2013 and 2014 Birth Cohort-Perinatal Outcome Files, the files differ from previous Cohort files due to the absence of fetal deaths. Because the infant mortality rate does not include fetal deaths, this difference will not affect the rate.

Race/Ethnicity: Tables 24A-24E align with the 1997 Office of Management and Budget (OMB) revised minimum standards for collecting, maintaining, and presenting data on race and ethnicity as described in the 1997 OMB Directive 15, which may be reviewed at URL: http://www.whitehouse.gov/omb/fedreg_1997standards. The mother's Hispanic origin was determined first, irrespective of race, and then the race categories for the

remaining non-Hispanics were determined. The Hispanic ethnic group includes any race, but is made up primarily of the White race. The remaining mother's race data were sorted as follows: two or more race groups (includes any combination of OMB race categories); American Indian/Alaska Native (includes Aleut, American Indian, and Eskimo); Asian/Pacific Islander (includes Asian Indian, Asian specified/unspecified, Cambodian, Chinese, Filipino, Guamanian, Hawaiian, Hmong, Japanese, Korean, Laotian, Samoan, Thai, Vietnamese, and Other Pacific Islander); Black (includes Black 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 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 and prior data years, which identify only a single race for the mother, first listed race was used in reports issued 2003 through 2006. Race/ethnic groups in reports issued since 2007 are compiled using the multi-race (two or more races) indicator as stated above, thus slight reductions may occur in total numbers previously reported for single races. Since the two or more races group is currently very small, the impact of this change should be negligible.

Natality (Tables 25-27B): The natality data were obtained from Birth Statistical Master Files for 2013 through 2015. Records with unknown attributes were excluded from the total number of live births in developing certain tables, as follows: 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 (Hamilton, Mathews, & Ventura, 2013). Adolescent birth rate is defined as the number of births to mothers 15 to 19 years of age per 1,000 females in this age group.

The prenatal care indicator, Month Prenatal Care Began, has been associated with access to care. 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 Begun During The First Trimester of Pregnancy, this report includes adequacy of prenatal care based on the Adequacy of Prenatal Care Utilization

Index. 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.

In reports published in 1995 through 1998, the Kessner Index was used to measure the adequacy of prenatal care (Kessner, 1973). The Kessner Index was replaced in the 1999 report by the Adequacy of Prenatal Care Utilization Index, which is the methodology specified in HP 2020 Objectives.

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

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

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

Breastfeeding Initiation During Early Postpartum (Table 28): The 2010 data serve as the new baseline for future comparisons and trends of in-hospital breastfeeding practices in California. The 2010 data should not be compared to data published in prior years (2004-2009) due to revisions to the Newborn Screening Program (NBS) data collection tool (NBS Form), as well as changes in the data analysis methodology during this time period.

The primary change, the exclusion of data for infants who were in a Neonatal Intensive Care Unit (NICU) nursery at the time of specimen collection, was done in order to better align with the new perinatal quality measure on exclusive breast milk feeding endorsed by the National Quality Forum, the Joint Commission and the Leapfrog Group. For additional information on the methods used to compute this indicator, visit the CDPH Breastfeeding Data webpage at:
http://www.cdph.ca.gov/data/statistics/Pages/InHospitalBreastfeedingInitiationData.aspx

Extensive research demonstrates the diverse and compelling advantages to infants, mothers, families, and society from breastfeeding and the use of human milk for infant feeding. Breastfeeding provides advantages with regard to the general health, growth, and development of infants, while significantly decreasing their risk for a large number of

acute and chronic diseases. There are also a number of studies that indicate possible health benefits for mothers, such as less postpartum bleeding, rapid uterine involution, and reduced risk of ovarian cancer and post-menopausal breast cancer. In addition to individual health benefits, breastfeeding provides significant social and economic benefits to the nation, including reduced health care costs and reduced employee absenteeism for care attributable to child illness.

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

Infant feeding data presented in this report include all feedings from birth to time of specimen collection, usually 24 to 48 hours. To complete the form, staff must select from the following three categories to describe all feeding since birth: (1) Only Human Milk; (2) Only Formula; and (3) Human Milk & Formula. In Table 28, the number for "BREASTFED" includes records marked 'Only Human Milk' or 'Human Milk & Formula'. The "TOTAL NUMBER" excludes data for infants who were in a Neonatal Intensive Care Unit (NICU) nursery or received Total Parenteral Nutrition (TPN) at the time of specimen collection. Also, excluded are cases with an unknown method of feeding. Statewide, approximately 2.0 percent of cases have missing feeding information and/or receive TPN at the time of specimen collection. For this same period, approximately 0.6 percent of cases are missing maternal county of residence data.

The California Department of Public Health (CDPH) compiles data from a variety of data sources to monitor progress towards achieving Healthy People 2020 objectives for breastfeeding initiation, duration and exclusivity, and hospital and worksite support for breastfeeding mothers and infants. For additional breastfeeding indicators visit the CDPH Breastfeeding Data Web Page at www.cdph.ca.gov/breastfeedingdata. Many CDPH programs and initiatives promote breastfeeding. For information on these CDPH programs and initiatives, as well as resources that can help pregnant or breastfeeding women, visit the CDPH Breastfeeding Web Page that can be found at http://www.cdph.ca.gov/programs/mcah/Pages/default.aspx.

In ***Profiles 17***, it is now possible to calculate the Breastfeeding Initiation During Early Postpartum Percentage for the prior three year period, as well as the current period, since commensurable data for the years 2010-2015 is now 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

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

A non-standardized rate (or "crude rate") is calculated by dividing the total number of events (e.g., deaths) by the total population at risk, then multiplying by a base (e.g., 100,000). Sub-populations such as counties with varying age compositions can have highly disparate crude death rates, since the risk of dying is primarily a function of age. Therefore, counties with a large component of elderly experience a higher death rate. The effect of different age compositions among counties or other demographic groups can be removed from the death rates by the "age-adjustment" process. This produces age-adjusted rates that permit comparisons among geographic and demographic groups, which are directly comparable with those HP 2020 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 drawn from the 2000 U.S. Standard Population distribution that applies the same age groupings and proportions as those established by NCHS for the Department of Health and Human Services. These age-adjusted rates put all counties on the same footing with respect to the effect of age and permit direct comparisons among counties and other national reports. 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 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., 2013-2015), divided by the population in the middle year (e.g., 2014).

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

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

RANKING OF COUNTIES

Data for each health indicator are displayed with the counties in rank order by increasing rates or percentages (calculated to 15 decimal places) with the exceptions of prenatal care begun during the first trimester of pregnancy (Table 27A), prenatal care adequacy (Table 27B) and breastfeeding initiation (Table 28). The county with the lowest rate or percentage is in the first rank moving down the column to the highest rate or percentage. Data for prenatal care begun during the first trimester of pregnancy, data for adequacy of prenatal care and data for breastfeeding initiation are displayed with the counties in rank order by decreasing percentages (calculated to 15 decimal places). The county possessing the highest percentage is in the first rank and the county with the lowest percentage is in the 58th rank. For all health indicators, counties with identical rates or percentages are ranked first by largest population or number of births.

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 2020 objective using only one data point is not recommended. HP 2020 provides basic formulas to measure progress toward achieving your target for the selected health outcome. These can be found here: https://www.healthypeople.gov/2020/tools-and-resources/program-planning/Plan

THEMATIC MAPS

ArcGIS, version 10.4, 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 rates or percentages based on fewer than 20 data elements are shown with an overlay of diagonal dashes. Counties with zero events are shown in a bright yellow color.

The mapping methodology strives to illustrate rates/percentages for each indicator in a way that highlights a county's status in meeting the HP 2020 Objective target, if one exists, and in comparison with the California rate. For example, a typical map for an indicator with an HP 2020 Objective, displays counties that achieved the target in the lightest shade, counties with a rate between the California rate and the target in the medium shade, and counties with a rate above the California rate in the darkest shade (see the Colorectal Cancer map and table on pages 7 and 8).

Rates or percentages for health indicators without established HP 2020 Objectives, or with HP 2020 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 50th percentile of the rates/percentages among those counties.

ALZHEIMER'S DISEASE REPORTING – SANTA CLARA COUNTY

Santa Clara County reported abrupt declines in the number of Alzheimer's deaths each year from 2012 to 2015 due to a change in cause of death reporting practice among some certifiers of death in that county. Therefore, Profiles 2017 data for Santa Clara County may not reflect a true decline in the number of Alzheimer's deaths. While Alzheimer's related deaths were previously reported as "Alzheimer's disease" or "Alzheimer's dementia", many certifiers in Santa Clara County appear to now be reporting those deaths using the more general term of "neurodegenerative disease or disorder". Accordingly, Santa Clara County has seen a rise in deaths from "neurodegenerative disease or disorder" that is roughly in line with the decrease in deaths from Alzheimer's.

FORMULAS USED IN THIS REPORT

$$CDR = \left(\frac{{}_{n}D}{Npop} \right) \times B$$

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

$$ASDR = \left(\frac{{}_{n}D_a}{Npop_a} \right) \times B$$

$$SE_x = \left(\frac{CDR}{\sqrt{{}_{n}D}} \right)$$

$$SE_y = \sqrt{\sum \frac{\left(W_a \times ASDR \right)}{{}_{n}D_a}^{2}}$$

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

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

Lower 95% CL = ADR – (1.96 x SE_y) Upper 95% CL = ADR + (1.96 x SE_y)

Where:
- CDR = Crude Death Rate
- ADR = Age-Adjusted Death Rate
- ASDR = Age-Specific Death Rate
- ${}_{n}D$ = Number of Deaths
- Npop = Population Size
- ${}_{n}D_a$ = Number of Deaths in an Age Group
- $Npop_a$ = Population Size in Same Age Group
- B = Base (100,000)
- W_a = Age-Specific Weight (Standard Population Proportion)
- SE_x = Standard Error of a Crude Death Rate
- RSE_x = Relative Standard Error of a Crude Death Rate
- SE_y = Standard Error of an Age-Adjusted Death Rate
- RSE_y = Relative Standard Error of an Age-Adjusted Death Rate
- CL = Confidence Limit

<u>Gamma Distribution Confidence Intervals</u>

Lower 95% CL= Rate x GamInv (.025, Numerator of Rate)/ Numerator of Rate

Upper 95% CL= Rate x GamInv (.975, Numerator of Rate+1)/ Numerator of Rate

Where: Rate is CDR or ADR depending on which table is being calculated.

GamInv is the gamma inverse function as used in SAS.

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 2020 National Objectives. The standard population used the year 2000 U.S. population. The data in the following example were extracted from Table 1: Deaths Due to All Causes, 2013 through 2015 for Alameda County.

ALAMEDA COUNTY					
AGE GROUPS	**2013-2015 DEATHS (AVERAGE) (A)**	**2014 POPULATION (B)**	**AGE-SPECIFIC RATE/100,000 (C)**	**2000 U.S. STANDARD POPULATION PROPORTIONS (D)**	**WEIGHTED RATE FACTORS (E)**
TOTAL	9,582.7	1,582,119			
Unknown	3.0				
<1	80	18,937	420.7	0.013818	5.8
1-4	9	76,788	12.2	0.055317	0.7
5-14	15	192,511	8.0	0.145565	1.2
15-24	123	202,305	60.6	0.138646	8.4
25-34	171	236,119	72.4	0.135573	9.8
35-44	266	232,014	114.6	0.162613	18.6
45-54	595	223,429	266.5	0.134834	35.9
55-64	1,282	195,863	654.4	0.087247	57.1
65-74	1,634	118,963	1,373.8	0.066037	90.7
75-84	2,035	56,767	3,584.2	0.044842	160.7
>84	3,370	28,423	11,855.4	0.015508	183.9
AGE-ADJUSTED RATE……					**572.8**

STEP 1: Arrange the data for the 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 572.8 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.

Direct comparisons can now be made among the counties, with the removal of the effect that varying county age compositions may have on death rates.

APPENDIX A
CALIFORNIA'S HEALTH STATUS PROFILE FOR 2017

MORTALITY

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2013-2015 DEATHS (AVERAGE)	CRUDE DEATH RATE	AGE-ADJUSTED DEATH RATE	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER	NATIONAL OBJECTIVE	AGE-ADJUSTED DEATH RATE PREVIOUS
	ALL CAUSES	250,120.7	648.9	616.2	613.7	618.6	a	635.8
C-1	ALL CANCERS	58,305.0	151.3	143.8	142.7	145.0	161.4	152.2
C-5	COLORECTAL CANCER	5,367.7	13.9	13.2	12.8	13.5	14.5	14.1
C-2	LUNG CANCER	12,314.7	31.9	30.6	30.1	31.2	45.5	34.6
C-3	FEMALE BREAST CANCER	4,412.3	22.8	19.8	19.2	20.4	20.7	20.8
C-7	PROSTATE CANCER	3,207.3	16.7	19.3	18.6	20.0	21.8	20.2
	DIABETES	8,325.7	21.6	20.6	20.1	21.0	b	20.3
	ALZHEIMER'S DISEASE	13,160.3	34.1	32.1	31.5	32.6	a	30.1
HDS-2	CORONARY HEART DISEASE	38,143.7	99.0	93.2	92.2	94.1	103.4	105.1
HDS-3	CEREBROVASCULAR DISEASE (STROKE)	14,067.3	36.5	34.7	34.2	35.3	34.8	36.2
	INFLUENZA/PNEUMONIA	6,187.7	16.1	15.2	14.8	15.6	a	15.9
	CHRONIC LOWER RESPIRATORY DISEASE	13,267.3	34.4	33.3	32.7	33.8	a	35.8
SA-11	CHRONIC LIVER DISEASE AND CIRRHOSIS	5,045.0	13.1	12.1	11.7	12.4	8.2	11.5
IVP-11	ACCIDENTS (UNINTENTIONAL INJURIES)	11,683.3	30.3	29.1	28.6	29.6	36.4	27.2
IVP-13.1	MOTOR VEHICLE TRAFFIC CRASHES	3,277.0	8.5	8.3	8.0	8.6	12.4	7.3
MHMD-1	SUICIDE	4,094.0	10.6	10.3	10.0	10.6	10.2	10.1
IVP-29	HOMICIDE	1,878.0	4.9	4.8	4.6	5.1	5.5	5.2
IVP-30	FIREARM-RELATED DEATHS	2,986.3	7.7	7.6	7.3	7.8	9.3	7.7
SA-12	DRUG-INDUCED DEATHS	4,773.0	12.4	11.8	11.5	12.2	11.3	10.8

MORBIDITY

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2013-2015 CASES (AVERAGE)	CRUDE CASE RATE	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER	NATIONAL OBJECTIVE	CRUDE CASE RATE PREVIOUS
	AIDS INCIDENCE (AGE 13 AND OVER)	2,075.7	6.5	6.2	6.8	a	9.0
	CHLAMYDIA INCIDENCE	177,403.0	460.2	458.1	462.4	c	434.1
STD-6.1	GONORRHEA INCIDENCE FEMALE AGE 15-44	15,235.7	192.2	189.1	195.2	251.9	139.9
STD-6.2	GONORRHEA INCIDENCE MALE AGE 15-44	25,507.3	307.3	303.5	311.1	194.8	186.5
IID-29	TUBERCULOSIS INCIDENCE	2,143.7	5.6	5.3	5.8	1.0	6.1

INFANT MORTALITY

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2012-2014 DEATHS (AVERAGE)	BIRTH COHORT (BC) INFANT DEATH RATE	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER	NATIONAL OBJECTIVE	BC INFANT DEATH RATE PREVIOUS
MICH-1.3	INFANT MORTALITY: ALL RACES	2318.0	4.6	4.4	4.8	6.0	4.9
MICH-1.3	INFANT MORTALITY: ASIAN/PI	237.3	3.3	2.9	3.7	6.0	3.9
MICH-1.3	INFANT MORTALITY: BLACK	263.3	10.2	8.9	11.4	6.0	10.1
MICH-1.3	INFANT MORTALITY: HISPANIC	1088.7	4.5	4.3	4.8	6.0	4.7
MICH-1.3	INFANT MORTALITY: WHITE	524.3	3.8	3.5	4.1	6.0	4.1

NATALITY

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2013-2015 BIRTHS (AVERAGE)	PERCENT	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER	NATIONAL OBJECTIVE	PERCENT PREVIOUS
MICH-8.1	LOW BIRTHWEIGHT INFANTS	33,739.0	6.8	6.7	6.9	7.8	6.8
MICH-10.1	FIRST TRIMESTER PRENATAL CARE	406,979.7	83.3	83.1	83.6	77.9	83.6
MICH-10.2	ADEQUATE/ADEQUATE PLUS PRENATAL CARE	379,704.0	78.3	78.0	78.5	77.6	79.5

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2013-2015 BIRTHS (AVERAGE)	AGE-SPECIFIC BIRTH RATE	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER	NATIONAL OBJECTIVE	AGE-SPECIFIC BIRTH RATE PREVIOUS
	BIRTHS TO MOTHERS AGED 15-19	27,235.0	21.0	20.8	21.2	a	28.7

BREASTFEEDING

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2013-2015 BREASTFED (AVERAGE)	PERCENT	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER	NATIONAL OBJECTIVE	PERCENT PREVIOUS
MICH-21.1	BREASTFEEDING INITIATION	401,951	93.5	93.2	93.8	81.9	91.6

CENSUS

HP 2020 OBJECTIVE	HEALTH STATUS INDICATOR	2014 NUMBER	PERCENT	95% CONFIDENCE LIMITS LOWER	95% CONFIDENCE LIMITS UPPER	NATIONAL OBJECTIVE	PERCENT PREVIOUS
	PERSONS UNDER 18 IN POVERTY	2,040,813	22.4	22.4	22.5	a	23.3

a Healthy People 2020 (HP 2020) National Objective has not been established.

b National Objective is based on both underlying and contributing cause of death which requires use of multiple cause of death files. California's data exclude multiple/contributing causes of death.

c Prevalence data are not available in all California counties to evaluate the Healthy People 2020 National Objective STD-1, as the Healthy People objective is restricted to females who are 15-24 years old and identified at a family planning clinic, and males and females under 24 years old who participate in a national job-training program.

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. The age-specific birth rates are per 1,000 female population aged 15 to 19 years old. Previous refers to previous period rates. These periods vary by type of rate: Mortality 2010-2012, Morbidity 2010-2012, Infant Mortality 2009-2011, Natality 2010-2012, Census 2013.

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