

# Vital Statistics of California 2004



California  
Department of  
Health Services

Center for Health Statistics



# THE VITAL STATISTICS SYSTEM OF CALIFORNIA

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- ◆ Maintains a permanent public record of each birth, death, and fetal death that has occurred in California since 1905. Provides certified copies of California vital records and searches the permanent central registry to verify the occurrence of vital events in California.
  - ◆ Builds and continues cooperative relationships with federal, state, and local agencies including the National Center for Health Statistics, which collect, maintain, and use vital records/statistics.
  - ◆ Develops forms, standards, and guidelines for registration of all vital events occurring in the State of California.
  - ◆ Directs and monitors the state-delegated functions of approximately 180 local offices which register California's vital events in order to assure statewide compliance with the statutory mandate for uniform application of registration laws, policies, and procedures.
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  - ◆ Performs functions related to the analysis and dissemination of vital statistics.
  - ◆ Provides a wide variety of mainframe and personal computer data products from the state vital statistics files to public and private organizations and to individuals requesting the data for research. Offers consultation to the users of these data. The data are used in medical and social sciences, public health and health demographics, human services planning, population estimation and projection, and economic forecasting.
  - ◆ Prepares and periodically publishes reports and analyses of vital statistics and related data for use by the California Department of Health Services (CDHS), other agencies, and the public.
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# **VITAL STATISTICS OF CALIFORNIA 2004**

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# PREFACE

This report provides tabulations of vital statistics on births and deaths in California in 2004, as part of a historical series of similar annual reports. These data are compiled from information provided on birth, death, and fetal death certificates filed with the CDHS, Office of Vital Records.

Chapter 1 provides a comprehensive overview of all vital events in California, including trends, California/United States comparisons, county-specific rates, population tables, and life expectancy. Chapters 2 through 5 present data on natality, fetal mortality, infant mortality, and total mortality, respectively. Each chapter includes a narrative overview of the data provided in more detail in the chapter tables. These narratives describe only a selection of the many variables available in the tables. Tables of Contents at the beginning of each chapter describe the variables displayed in each table. Table guides are provided in Chapters 2 and 5 to assist in the location of birth and death information.

Chapter 6 provides discussion on technical aspects of the data, including sources and quality, historical changes in vital statistics registration, and appropriate uses and limitations of the data. Chapters 7 and 8 are appendices. Chapter 7 provides statistical definitions, formulas, and appendix tables on population and decedents' education. Chapter 8 includes facsimiles of birth, death, and fetal death certificate forms, medical and race worksheets, coding information, and a publication order form.

The rate and population tables in this 2004 report are the second to be based on population estimates and projections from the 2000 Census and make available, for the second time since that census, population data and rates by sex, age, race, and county. Annual reports prior to 2003 contained population estimates and projections that were based on 1990 Census. Please refer to footnotes on each table for the source of population estimates and projections. These data are available on the Department of Finance Web site at: [www.dof.ca.gov](http://www.dof.ca.gov)

In compliance with the revised federal guidelines from the Office of Management and Budget (OMB), California birth certificates permitted identification of more than one race for mother and father of child, and death certificates permitted designation of multiple races for decedents effective for the first time with 2000 birth and death data. Tables in this report that present data by race or race/ethnicity are not comparable with tables used prior to 2000. See Chapter 6 for more information.

In 2003 the death certificate was revised. The revision included changes in the education categories and added a question about pregnancy (If female, pregnant in last year). With the inclusion of the pregnancy question the number of maternal deaths increased sharply. The change in education categories may cause some discontinuity in trends using these data. See Chapter 6 and Appendix Table E in Chapter 7 for more information.

## ACKNOWLEDGEMENTS

This 2004 edition of Vital Statistics of California is the culmination of a concerted team effort of many individuals both at the local and state level who collect, process, and publish California's birth and death information. This report would not be possible without their help.

Much appreciation is extended to physicians, parents, birth clerks, funeral directors, coroners, attorneys and many others who complete records of birth, death, and marriage, and file that information with local registrars. Also thanks is due to the local registrars who then transmit that information to the CDHS.

Much appreciation is extended to the staff of the CDHS, Office of Vital Records, who register the vital event records that were used in this report, particularly Debbie Balsley, Jeff Bishop, and Sandra Marcantelli, as well as Alan Oppenheim, Emily Lehman, and Jessica McCarroll of the Center for Health Statistics who maintain and support the Automated Vital Statistics System (AVSS).

Much appreciation is extended to staff in the CDHS, Information Technology Services Division, who contributed to this report through their work in preparing California's automated birth and death files, particularly Julie Brill, Alexandria Carrillo, and Leora Ton.

Much appreciation is extended to all staff in both the Vital Statistics Section, and the Planning Data and Analysis Section of the CDHS, Office of Health Information and Research who contributed many talents to the completion of this report. Special thanks are extended to: Carol Lau for preparing the 2003 birth cohort database; Jan Christensen for her knowledge of how causes of death are coded for infants and adults; Karen Flannigan, Sherry Fujii, Sally Jew-Lochman, Jane McKendry, and Steve Shippen for their knowledge of how birth and death vital statistics are collected and recorded in California; Enrique Ramirez, Nicola Standish, and Laurie Smith-Giles for editorial assistance; Tina Smith and Janet Ciarcia for clerical support including mailing this report to our many constituents; Danny Cox, Elvis Ho, and Valentin Giyenko for computer hardware and software support; and Linette Scott, M.D., M.P.H. for designing the cover for this report. Also thanks to Kamal Bindra and Sandy Ficenec for making this report possible over many years, and for sharing their knowledge and expertise with others who today can continue the legacy of providing birth and death vital statistics to California.

Appreciation is also extended to Mary Heim of the Demographic Research Unit of the Department of Finance who provided the population data necessary to calculate the vital event rates contained in this report.

Inquiries regarding this report should be directed to the California Department of Health Services, Office of Health Information and Research, MS 5103, P.O. Box 997410, Sacramento, CA 95899-7410, (916) 552-8095.

Most of the tables presented in this report are available in both Excel and Adobe Acrobat formats on our Web site. The Office of Health Information and Research Home Page is: [www.dhs.ca.gov/ohir](http://www.dhs.ca.gov/ohir). Click on "Vital Statistics Data Tables" on the left menu to access the tables.

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## POPULATION DATA

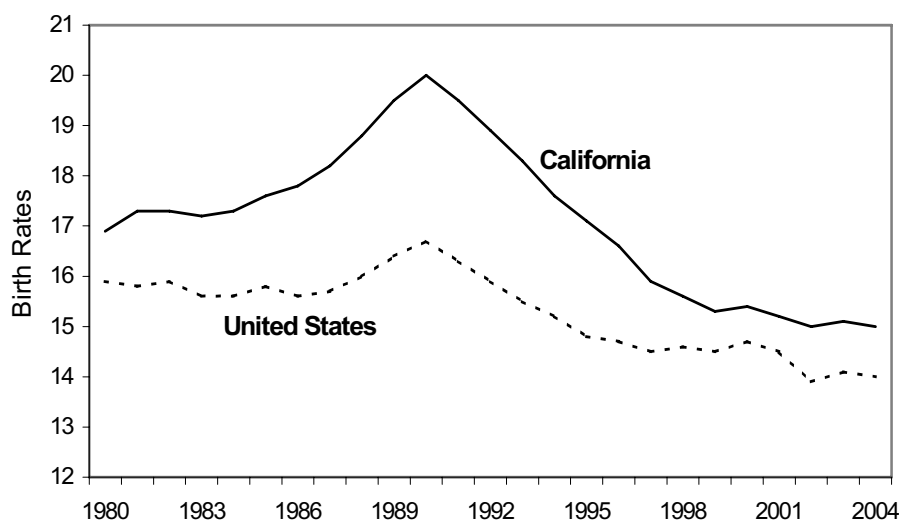
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# HIGHLIGHTS

## California and United States Comparison

The estimated population for California in 2004 was 36,376,411, an increase of 442,411 from 2003. Approximately one out of eight United States (U.S.) residents (12.4 percent) lived in California. The 544,685 live births to residents of California in 2004 accounted for 13.2 percent of all U.S. births.

Figure 1-1. Birth Rates, California and United States, 1980-2004



California's 2004 birth rate of 15.0 decreased slightly from the 15.1 rate in 2003. This rate continues to exceed the U.S. rate of 14.0 (Tables 1-1 and 1-4).

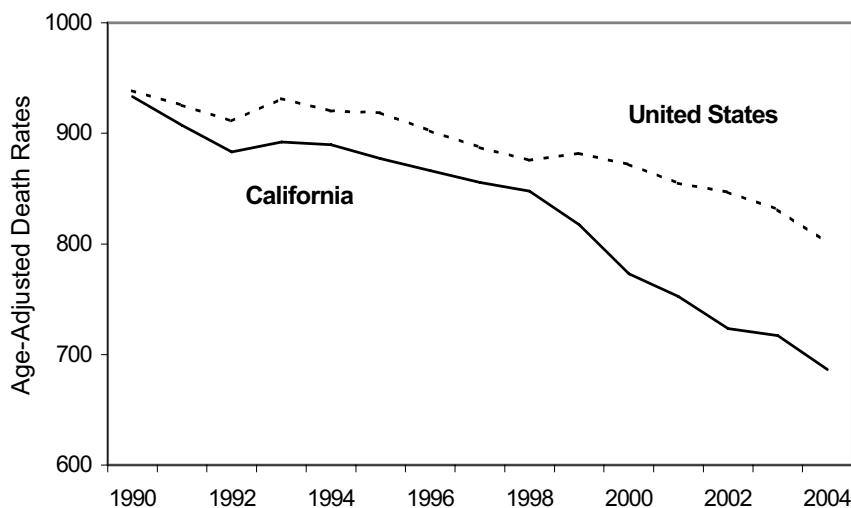
The general fertility rate decreased from 84.6 live births per 1,000 women aged 15-44 in 1990 to 68.6 in 1999. The rate then rose to 70.0 in 2000, declined to 68.4 in 2002, rose again to 69.5 in 2003, and decreased to 69.3 in 2004. California's rate remains higher than the U.S. rate of 66.3 (Table 1-4).

The 232,464 deaths of California residents in 2004 accounted for 9.7 percent of all U.S. deaths (Table 1-7).

California's death rate in 2004 was 6.4 deaths per 1,000 population (Table 1-1). This rate continues to be below the U.S. preliminary rate of 8.2.

California's age-adjusted death rate (which eliminates the effects of the aging population) was 686.6 per 100,000 population in 2004, compared with 801.0 for the U.S. (Table 1-4).

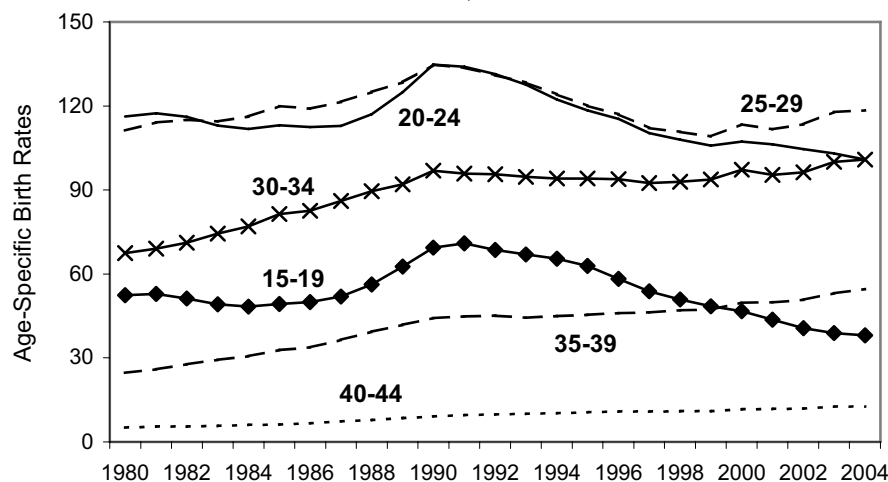
Figure 1-2. Age-Adjusted Death Rates, California and United States, 1990-2004



## California Births

California resident births rose again in 2004 to 544,685, up 0.7 percent from 540,827 births in 2003. The number of 2004 births was 11.0 percent less than the peak of 611,666 births in 1990 (Table 1-1). The birth rate of 15.0 births per 1,000 population was down 0.7 percent from the rate of 15.1 in 2003, and was down 25.0 percent from the high of 20.0 in 1990 (Table 1-4).

Figure 1-3. Age-Specific Birth Rates by Age of Mother, California, 1980-2004



Overall, from 2003 to 2004, the age-specific birth rates were higher for mothers aged 25-29 through 35-39 and lower for mothers under 25. The age-specific rate in 2004 for mothers 40 and over was unchanged from the 2003 value. The age-specific birth rate was highest among 25-29 year old mothers at 118.4 per 1,000 women, increasing from 117.9 in 2003 (Table 1-5).

Birth rates for mothers in the age groups of under 15, 15-19, and 20-24 in 2004 all reached record lows going back to 1980. The California birth rate for the youngest teens (under 15) was lower than the U.S. rate (0.5 vs. 0.7). The 2004 teen birth rate of 38.1 births per 1,000 women aged 15-19 decreased by 2.1 percent from the rate of 38.9 in 2003. This rate has declined steadily since 1991. Since 1998 California's teen birth rate has fallen below the birth rate for the U.S. as a whole. The birth rate in California for 20-24 year old mothers declined in the 1990's, rose to 107.3 in 2000 and has decreased since then down to 100.9 in 2004. This rate remains slightly lower than the corresponding U.S. rate of 101.8 (Table 1-5).

Comparisons of selected demographic and medical characteristics between California and the U.S. show that 34.4 percent of California births were to unmarried mothers, compared with 35.7 percent for the U.S. as a whole (Table 1-6). Only 2.6 percent of California mothers had late (third trimester) or no prenatal care, compared with 3.6 percent of U.S. births. California also experienced fewer preterm births (prior to 37 weeks gestation) (10.9 percent) than did the U.S. (12.5 percent). The percent of cesarean deliveries in California was slightly higher than the U.S. (29.3 percent vs. 29.1 percent). The percent of low birthweight births in California was 6.7 percent compared to 8.1 percent for the U.S. For more information see Chapter 2.

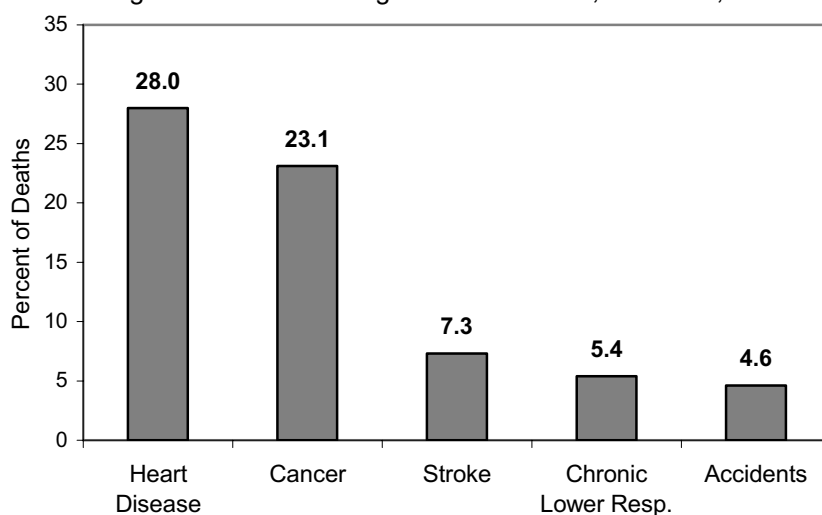
## California Deaths

In 2004, 232,464 California residents died, down from 239,325 in 2003. The death rate in 2004 was 6.4 deaths per 1,000 population, down from 6.7 in 2003 (Table 1-1). The 2004 age-adjusted death rate was 686.6 down 4.3 percent from the 2003 rate of 717.2 (Table 1-4).

The ranking of the ten leading causes of death has remained the same since the change to the Tenth Revision of the International Classification of Diseases in 1999.

Heart disease and cancer (malignant neoplasms) accounted for over half (51.1 percent) of all deaths in California in 2004. Cerebrovascular disease (stroke), chronic lower respiratory disease, and accidents (unintentional injuries) accounted for 17.3 percent of deaths in 2004. These were the five leading causes of death in the U.S. as well as California (Table 1-8). For more information see Chapter 5.

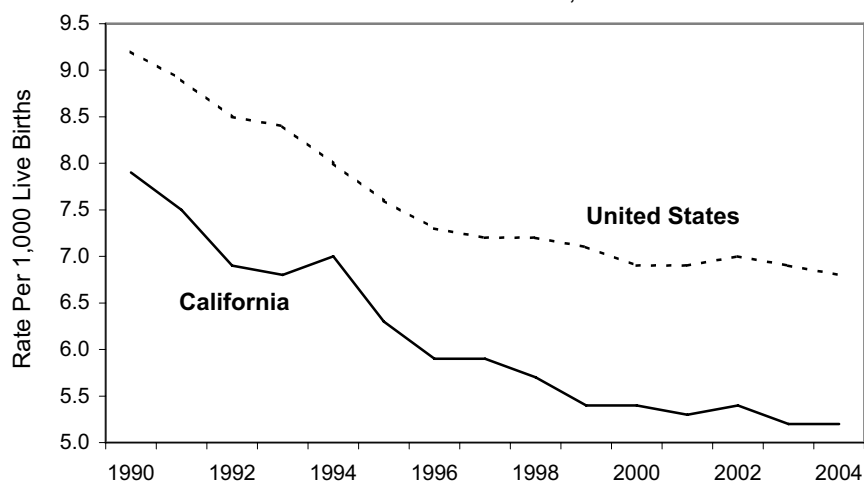
Figure 1-4. Five Leading Causes of Death, California, 2004



## California Infant and Fetal Deaths

There were 2,811 deaths of California resident infants (under one year of age) in 2004, a decrease of 0.3 percent from the 2003 level of 2,819. Fetal deaths fell to 2,873 in 2004 down from 2,929 in 2003 (Table 1-1).

Figure 1-5. Infant Mortality Rates, California and United States, 1990-2004



California's 2004 infant mortality rate of 5.2 infant deaths per 1,000 live births remained unchanged from 2003. California's infant mortality rate continued to be lower than the U.S. rate of 6.8 (Table 1-4).

The neonatal (less than 28 days old) mortality rate of 3.5 deaths per 1,000 live births in 2004 was also unchanged from 2003 (Table 1-4).

The postneonatal (28 days to less than 1 year of age) mortality rate of 1.7 was unchanged from 2003 (Tables 1-2 and 4-5).

## Infant and Fetal Deaths: The Birth Cohort File

Chapters 3 and 4 report on fetal deaths and infant deaths, respectively, based on the 2004 fetal death and 2004 death certificate data. The following discussion, as well as Tables 1-10 through 1-13, are based on the Birth Cohort File for 2003, which is produced annually by the California Department of Health Services. The cohort file includes linked infant death and birth data. The primary advantage of data obtained from the cohort file over death and fetal death file data, is that birth information (birthweight, for example) for infants who died can be compared with all births. In addition, infant deaths can be tabulated by race of mother, which is correlated with many birth outcomes but is not reported on the death certificate. For

additional discussion of the cohort file's benefits and general descriptive information about this file, see Chapter 6.

Using the 2003 Birth Cohort File, California had 2,865 deaths of resident infants and 2,960 fetal deaths. The cohort infant mortality rate was 5.3 deaths per 1,000 live births, and the fetal death rate was 5.4 fetal deaths per 1,000 total births (live births plus fetal deaths) (Table 1-10). The perinatal death rate (fetal deaths of 20 or more weeks gestation plus deaths to infants under 28 days of age) was 8.5 per 1,000 total births.

Most infant deaths occur to babies born below normal birthweights. The lower the birthweight, the more likely an infant is to die, most likely within the first 28 days of life. Most babies (86.6 percent) born at less than 500 grams died in their first year of life; 98.0 percent of them in the first 28 days of life. Babies born between 500 and 999 grams had much lower mortality rates, with improvement again at 1000-1499 grams, and again at higher weights (Table 1-10).

Infants born by cesarean section had higher death rates (7.4 per 1,000 live births) than infants born vaginally (4.2 per 1,000 live births). The death rate for infants born vaginally after a prior cesarean section was 6.9 per 1,000 live births (Table 1-11).

The death rate for infants born to Black mothers (11.0) was over twice the total infant mortality rate (5.3). Infants born to American Indian mothers had the next highest rate of 7.0. Rates for infants of mothers in Hispanic, White, Asian/Pacific Islander, and Two or More Race Groups, were 5.1, 4.4, 4.0, and 3.9 deaths per 1,000 live births, respectively (Table 1-12).

Figure 1-6. Infant Mortality Rates By Race/Ethnicity of Mother, California, 2003 Birth Cohort

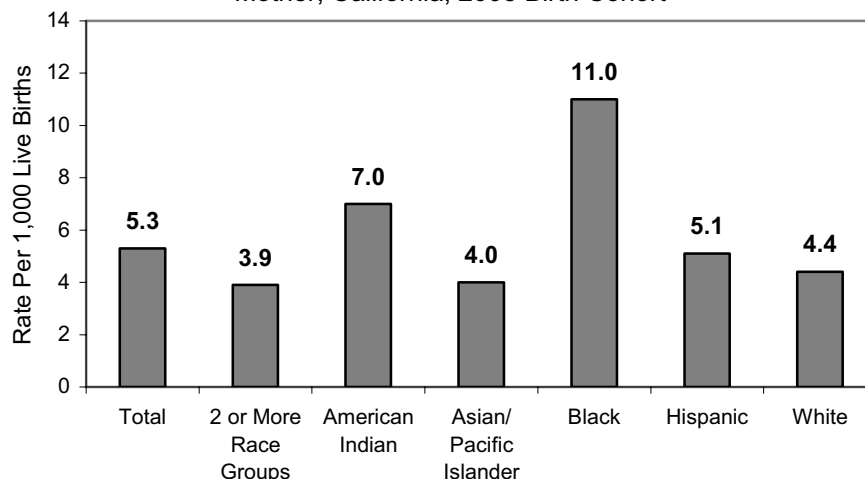
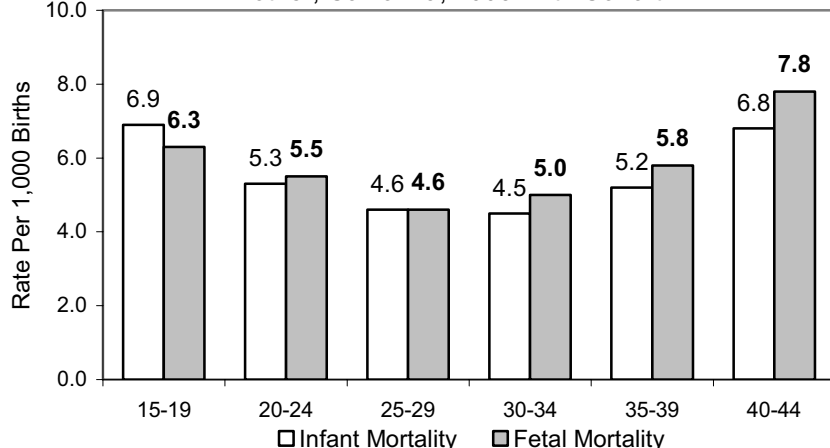


Figure 1-7. Infant and Fetal Mortality Rates By Age of Mother, California, 2003 Birth Cohort

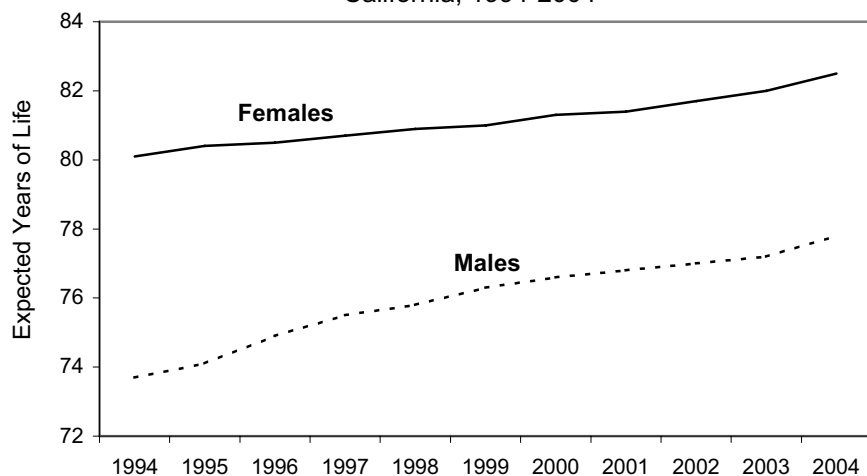


Infants born to younger and older mothers experienced higher infant mortality rates than those born to mothers in their early 30s (Table 1-13). Mothers 15-19 and 40-44 had the highest rates of mortality for their infants with rates of 6.9 and 6.8 respectively.

Fetal death rates were also highest among older mothers (Table 1-13).

## Life Expectancy

Figure 1-8. Life Expectancy at Birth By Sex, California, 1994-2004



Life expectancy for a child born in 2004 was 77.8 years for males and 82.5 years for females. This is a gain of 4.1 years of expected life from the 1994 level for males and a gain of 2.4 years for females (Table 1-14).

The average number of years of life remaining at age 65 in 2004 was 19.0 years for males and 21.5 years for females. This is a gain of 2.5 years of expected life from the 1994 level for males and a gain of 1.7 years for females.

## Population

Tables 1-15 through 1-17 display population estimates and projections as used in this report. The data were provided by the Demographic Research Unit of the California Department of Finance and were based on 2000 census data. For more information on California's population see Chapter 6 and Appendix Tables A-C in Chapter 7.

TABLE 1-1. POPULATION, LIVE BIRTHS, DEATHS, MATERNAL DEATHS, FETAL DEATHS, AND INFANT DEATHS, CALIFORNIA, 1970-2004 (By Place of Residence)

(Live birth and death rates are per 1,000 population; maternal mortality rates are per 10,000 live births; fetal mortality ratios and infant mortality rates are per 1,000 live births).

YEAR	POPULATION	LIVE BIRTHS		DEATHS		MATERNAL DEATHS		FETAL DEATHS		INFANT DEATHS	
		Number	Rate	Number	Rate	Number	Mortality Rate	Number	Mortality Ratio	Number	Mortality Rate
2004	36,376,411	544,685	15.0	232,464	6.4	74	1.4	2,873	5.3	2,811	5.2
2003	35,934,967	540,827	15.1	239,325	6.7	82	1.5	2,929	5.4	2,819	5.2
2002	35,301,000	529,245	15.0	233,246	6.6	56	1.1	2,870	5.4	2,875	5.4
2001	34,758,000	527,371	15.2	232,790	6.7	54	1.0	2,952	5.6	2,815	5.3
<b>2000</b>	<b>34,480,000</b>	<b>531,285</b>	<b>15.4</b>	<b>228,281</b>	<b>6.6</b>	<b>59</b>	<b>1.1</b>	<b>3,046</b>	<b>5.7</b>	<b>2,884</b>	<b>5.4</b>
1999	33,934,000	518,073	15.3	227,965	6.7	43	0.8	2,927	5.6	2,787	5.4
1998	33,387,000	521,265	15.6	225,450	6.8	34	0.7	3,053	5.9	2,994	5.7
1997	32,985,000	524,174	15.9	223,438	6.8	45	0.9	2,996	5.7	3,091	5.9
1996	32,501,000	538,628	16.6	222,308	6.8	30	0.6	3,330	6.2	3,186	5.9
<b>1995</b>	<b>32,291,000</b>	<b>551,226</b>	<b>17.1</b>	<b>222,626</b>	<b>6.9</b>	<b>47</b>	<b>0.9</b>	<b>3,355</b>	<b>6.1</b>	<b>3,478</b>	<b>6.3</b>
1994	32,155,000	567,034	17.6	222,854	6.9	55	1.0	3,299	5.8	3,948	7.0
1993	31,996,000	584,483	18.3	220,271	6.9	45	0.8	3,574	6.1	3,970	6.8
1992	31,719,000	600,838	18.9	214,586	6.8	57	0.9	3,704	6.2	4,174	6.9
1991	31,238,000	609,228	19.5	214,220	6.9	65	1.1	3,834	6.3	4,596	7.5
<b>1990</b>	<b>30,652,000</b>	<b>611,666</b>	<b>20.0</b>	<b>213,766</b>	<b>7.0</b>	<b>55</b>	<b>0.9</b>	<b>3,989</b>	<b>6.5</b>	<b>4,828</b>	<b>7.9</b>
1989	29,142,100	569,308	19.5	215,930	7.4	33	0.6	3,824	6.7	4,853	8.5
1988	28,393,100	532,708	18.8	215,185	7.6	55	1.0	3,527	6.6	4,559	8.6
1987	27,716,900	503,376	18.2	209,395	7.6	28	0.6	3,504	7.0	4,530	9.0
1986	27,052,300	481,905	17.8	202,826	7.5	32	0.7	3,259	6.8	4,298	8.9
<b>1985</b>	<b>26,402,600</b>	<b>470,816</b>	<b>17.8</b>	<b>201,815</b>	<b>7.6</b>	<b>36</b>	<b>0.8</b>	<b>3,171</b>	<b>6.7</b>	<b>4,475</b>	<b>9.5</b>
1984	25,816,300	447,394	17.3	195,470	7.6	27	0.6	3,110	7.0	4,212	9.4
1983	25,336,300	435,722	17.2	188,018	7.4	37	0.8	3,049	7.0	4,226	9.7
1982	24,805,000	429,631	17.3	188,255	7.6	43	1.0	3,333	7.8	4,218	9.8
1981	24,277,700	420,418	17.3	184,732	7.6	38	0.9	3,481	8.3	4,276	10.2
<b>1980</b>	<b>23,780,100</b>	<b>402,720</b>	<b>16.9</b>	<b>186,428</b>	<b>7.8</b>	<b>45</b>	<b>1.1</b>	<b>3,594</b>	<b>8.9</b>	<b>4,451</b>	<b>11.1</b>
1979	23,256,700	379,187	16.3	177,214	7.6	43	1.1	3,372	8.9	4,278	11.3
1978	22,835,600	356,156	15.6	175,878	7.7	39	1.1	3,089	8.7	4,235	11.9
1977	22,351,700	347,576	15.6	170,441	7.6	38	1.1	3,051	8.8	4,192	12.1
1976	21,935,400	332,105	15.1	171,095	7.8	42	1.3	3,193	9.6	4,134	12.4
<b>1975</b>	<b>21,537,800</b>	<b>317,318</b>	<b>14.7</b>	<b>170,797</b>	<b>7.9</b>	<b>47</b>	<b>1.5</b>	<b>3,031</b>	<b>9.6</b>	<b>4,256</b>	<b>13.4</b>
1974	21,174,100	311,668	14.7	170,475	8.1	47	1.5	3,163	10.1	4,274	13.7
1973	20,869,100	297,834	14.3	172,798	8.3	47	1.6	3,039	10.2	4,351	14.6
1972	20,585,000	306,375	14.9	170,026	8.3	54	1.8	3,147	10.3	4,877	15.9
1971	20,346,200	329,826	16.2	169,349	8.3	52	1.6	3,542	10.7	5,440	16.5
<b>1970</b>	<b>20,038,300</b>	<b>362,652</b>	<b>18.1</b>	<b>166,382</b>	<b>8.3</b>	<b>77</b>	<b>2.1</b>	<b>4,082</b>	<b>11.3</b>	<b>6,243</b>	<b>17.2</b>

Note: Maternal deaths are those due to complications of pregnancy, childbirth, and the puerperium (International Classification of Diseases-Rev. 10, Codes O00-O99). Infant deaths are those under one year of age.

Fetal deaths are those of 20 weeks or more gestation.

Source: State of California, Department of Health Services, Birth, Death, and Fetal Death Records.

State of California, Department of Finance, 1970-1989 Population: 1970-1996 Population Estimates with Age, Sex, and Race/Ethnic Detail, January 1998; 1990-2000 Population: Intercensal Estimates of the Population of California: State and Counties 1990-2000, Report I 90-00 July, May 2001. 2001 Population: Population Estimates for California Counties, Report E-2, July 1, 1990 through July 1, 2001, January 2002. 2002 Population: Population Estimates for California Counties, Report E-2, July 1, 2001-July 1, 2002, January 2003. 2003 Population: Population Estimates for California Counties, Report E-2, July 1, 2000-July 1, 2003, February 2004. 2004 Population: State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.



TABLE 1-2. LIVE BIRTHS, DEATHS, MATERNAL DEATHS, FETAL DEATHS, AND INFANT DEATHS BY AGE, CALIFORNIA COUNTIES, 2004

(By Place of Residence and By Place of Occurrence\*, Infant Deaths By Place of Residence)

(Live birth and death rates are per 1,000 population; fetal mortality ratios and infant mortality rates are per 1,000 live births.)

COUNTY	LIVE BIRTHS			DEATHS			MATERNAL DEATHS		FETAL DEATHS			INFANT DEATHS BY AGE					
	Residence		Occurrence	Residence		Occurrence	Residence	Occurrence	Residence		Occurrence	Total		Neonatal		Postneonatal	
	Number	Rate		Number	Rate				Number	Mortality Ratio		Number	Mortality Rate	Number	Mortality Rate	Number	Mortality Rate
<b>CALIFORNIA</b>	<b>544,685</b>	<b>15.0</b>	<b>545,758</b>	<b>232,464</b>	<b>6.4</b>	<b>232,958</b>	<b>74</b>	<b>75</b>	<b>2,873</b>	<b>5.3</b>	<b>3,002</b>	<b>2,811</b>	<b>5.2</b>	<b>1,904</b>	<b>3.5</b>	<b>907</b>	<b>1.7</b>
Alameda	20,919	13.8	21,612	9,269	6.1	9,244	2	2	120	5.7	142	111	5.3	75	3.6	36	1.7
Alpine	8	6.0	1	9	6.8	7	-	-	-	-	-	-	-	-	-	-	-
Amador	262	7.0	147	359	9.6	303	-	-	3	a,b	1	3	a,b	1	a,b	2	a,b
Butte	2,354	11.0	2,827	2,178	10.1	2,294	1	1	16	6.8	18	14	5.9	8	3.4	6	2.5
Calaveras	322	7.2	147	420	9.4	315	1	1	1	a,b	1	2	a,b	2	a,b	-	-
Colusa	345	16.7	206	141	6.8	119	-	-	2	a,b	1	1	a,b	1	a,b	-	-
Contra Costa	13,279	13.0	11,735	6,787	6.7	6,612	1	-	76	5.7	66	51	3.8	36	2.7	15	1.1
Del Norte	285	10.0	313	261	9.1	293	-	-	3	a,b	2	-	-	-	-	-	-
El Dorado	1,897	11.1	1,187	1,235	7.2	1,011	1	1	14	7.4	10	10	5.3	6	3.2	4	a
Fresno	15,896	18.3	17,392	5,811	6.7	6,081	1	1	91	5.7	114	128	8.1	91	5.7	37	2.3
Glenn	398	14.2	1	246	8.8	153	-	-	1	a,b	-	-	-	-	-	-	-
Humboldt	1,509	11.6	1,520	1,253	9.6	1,235	-	-	3	a	5	7	4.6	3	a	4	a
Imperial	2,861	18.2	2,757	869	5.5	759	-	-	8	2.8	5	16	5.6	10	3.5	6	2.1
Inyo	214	11.5	202	219	11.8	187	-	-	1	a,b	1	1	a,b	-	-	1	a,b
Kern	13,455	18.4	12,886	5,251	7.2	5,042	-	2	91	6.8	91	95	7.1	67	5.0	28	2.1
Kings	2,549	18.0	2,395	760	5.4	676	1	-	14	5.5	15	19	7.5	14	5.5	5	2.0
Lake	686	10.8	498	780	12.3	620	-	-	-	-	-	3	a,b	1	a,b	2	a,b
Lassen	301	8.3	268	227	6.3	158	-	-	3	a,b	4	-	-	-	-	-	-
Los Angeles	151,504	15.0	157,168	59,159	5.9	59,809	26	27	775	5.1	840	757	5.0	504	3.3	253	1.7
Madera	2,346	17.2	1,618	914	6.7	767	-	-	12	5.1	9	6	2.6	6	2.6	-	-
Marin	2,792	11.1	1,837	1,722	6.9	1,734	-	-	14	5.0	8	4	a	2	a	2	a
Mariposa	150	8.3	9	156	8.6	101	-	-	1	a,b	-	1	a,b	1	a,b	-	-
Mendocino	1,125	12.5	1,045	853	9.5	757	-	-	4	a	2	10	8.9	4	a	6	5.3
Merced	4,296	18.1	3,326	1,383	5.8	1,109	1	1	16	3.7	14	19	4.4	14	3.3	5	1.2
Modoc	85	8.8	44	102	10.5	72	-	-	-	-	-	-	-	-	-	-	-
Mono	170	12.3	159	45	3.3	39	-	-	-	-	-	1	a,b	1	a,b	-	-
Monterey	7,396	17.4	6,852	2,371	5.6	2,293	-	-	37	5.0	30	32	4.3	18	2.4	14	1.9
Napa	1,604	12.1	1,247	1,264	9.5	1,250	-	-	6	3.7	6	5	3.1	3	a	2	a
Nevada	818	8.3	962	916	9.3	874	1	1	7	b	6	6	b	5	b	1	a,b
Orange	45,060	14.8	48,391	16,748	5.5	17,284	2	3	244	5.4	265	179	4.0	129	2.9	50	1.1
Placer	3,797	12.9	3,191	2,284	7.8	2,741	1	1	21	5.5	15	18	4.7	10	2.6	8	2.1
Plumas	173	8.2	103	224	10.6	185	-	-	1	a,b	-	-	-	-	-	-	-
Riverside	29,545	16.3	25,677	13,638	7.5	12,931	5	5	161	5.4	145	160	5.4	93	3.1	67	2.3
Sacramento	20,836	15.3	23,440	9,634	7.1	10,121	4	4	129	6.2	163	114	5.5	73	3.5	41	2.0
San Benito	887	15.4	590	251	4.4	200	1	1	5	b	3	2	a,b	1	a,b	1	a,b
San Bernardino	31,914	16.7	27,259	11,912	6.3	12,319	5	4	166	5.2	167	219	6.9	163	5.1	56	1.8
San Diego	45,758	15.1	47,949	19,701	6.5	20,250	4	4	224	4.9	241	246	5.4	181	4.0	65	1.4
San Francisco	8,579	10.8	12,832	5,903	7.5	6,190	2	2	35	4.1	64	31	3.6	23	2.7	8	0.9
San Joaquin	11,010	17.1	10,211	4,433	6.9	4,308	2	2	89	8.1	74	74	6.7	48	4.4	26	2.4
San Luis Obispo	2,694	10.4	2,718	1,995	7.7	1,895	-	-	18	6.7	27	17	6.3	9	3.3	8	3.0
San Mateo	10,089	14.0	5,648	4,573	6.4	4,566	-	-	40	4.0	15	36	3.6	30	3.0	6	0.6
Santa Barbara	6,209	14.9	6,304	2,899	7.0	2,924	1	1	35	5.6	27	28	4.5	15	2.4	13	2.1
Santa Clara	26,537	15.3	30,720	8,470	4.9	9,148	4	5	109	4.1	144	119	4.5	80	3.0	39	1.5
Santa Cruz	3,399	13.0	3,732	1,579	6.1	1,535	-	-	23	6.8	22	17	5.0	11	3.2	6	1.8
Shasta	2,046	11.5	2,104	1,887	10.6	1,996	1	1	12	5.9	17	10	4.9	5	2.4	5	2.4
Sierra	18	5.0	-	37	10.3	29	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	467	10.3	349	500	11.1	441	-	-	1	a,b	2	3	a,b	-	-	3	a,b
Solano	5,688	13.5	5,397	2,589	6.1	2,439	1	1	35	6.2	32	19	3.3	11	1.9	8	1.4
Sonoma	5,964	12.4	6,083	3,620	7.5	3,633	2	2	36	6.0	36	15	2.5	10	1.7	5	0.8
Stanislaus	8,061	16.2	9,228	3,473	7.0	3,744	-	-	45	5.6	54	52	6.5	41	5.1	11	1.4
Sutter	1,342	15.4	2,101	687	7.9	495	1	1	11	8.2	16	7	5.2	6	4.5	1	a
Tehama	700	11.8	633	593	10.0	457	-	-	6	b	2	7	b	-	-	7	b
Trinity	110	8.1	3	157	11.6	107	-	-	2	a,b	-	1	a,b	1	a,b	-	-
Tulare	7,957	19.8	7,174	2,638	6.6	2,486	1	1	36	4.5	27	32	4.0	19	2.4	13	1.6
Tuolumne	477	8.3	534	607	10.5	582	-	-	-	-	-	-	-	-	-	-	-
Ventura	11,954	14.8	11,119	4,849	6.0	4,518	1	-	50	4.2	41	90	7.5	63	5.3	27	2.3
Yolo	2,404	12.7	1,900	1,105	5.9	915	-	-	11	4.6	10	7	2.9	4	a	3	a
Yuba	1,184	18.1	7	518	7.9	605	-	-	9	7.6	2	6	5.1	5	4.2	1	a

\* By place of occurrence: The place where the event occurred (regardless of place of residence).

By place of residence: The place a person lives or maintains legal residency. For live births, the mother's residence is used.

- Represents zero events.

a Rates and ratios are not calculated for fewer than 5 events.

b Infant mortality rates and fetal mortality ratios are not calculated for counties reporting fewer than 1,000 births.

Note: Fetal deaths of 20 weeks or more gestation are required by law to be registered. Maternal deaths are those due to complications of pregnancy, childbirth, and the puerperium, (International Classification of Diseases - Rev. 10, Codes O00-O99). Infant deaths are those under one year. Neonatal deaths are those under 28 days. Postneonatal deaths are those occurring on the 28th day and up to one year of age.

Source: State of California, Department of Health Services, Birth, Death and Fetal Death Records.

State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 1-3. LIVE BIRTHS, DEATHS, MATERNAL DEATHS, FETAL DEATHS, AND INFANT DEATHS BY AGE, CALIFORNIA AND SELECTED CITY HEALTH DEPARTMENTS, 2004

(By Place of Residence and By Place of Occurrence<sup>a</sup>, Infant Deaths By Place of Residence)

(Live birth and death rates are per 1,000 population; Fetal mortality ratios and infant mortality rates are per 1,000 live births.)

COUNTY	LIVE BIRTHS			DEATHS			MATERNAL DEATHS		FETAL DEATHS			INFANT DEATHS BY AGE					
	Residence		Occurrence	Residence		Occurrence	Residence	Occurrence	Residence		Occurrence	Total		Neonatal		Postneonatal	
	Number	Rate		Number	Rate				Number	Mortality Ratio		Number	Mortality Rate	Number	Mortality Rate	Number	Mortality Rate
	544,685	15.0	545,758	232,464	6.4	232,958	74	75	2,873	5.3	3,002	2,811	5.2	1,904	3.5	907	1.7
CALIFORNIA																	
Alameda	20,919	13.8	21,612	9,269	6.1	9,244	2	2	120	5.7	142	111	5.3	75	3.6	36	1.7
Berkeley <sup>1</sup>	946	9.1	7,621	572	5.5	757	-	-	4	a,b	61	3	a,b	2	a,b	1	a,b
Los Angeles	151,504	15.0	157,168	59,159	5.9	59,809	26	27	775	5.1	840	757	5.0	504	3.3	253	1.7
Long Beach <sup>1</sup>	7,884	16.2	9,811	3,069	6.3	3,511	2	1	52	6.6	87	34	4.3	16	2.0	18	2.3
Pasadena <sup>1</sup>	2,275	15.8	3,514	1,129	7.9	1,428	2	2	10	4.4	12	12	5.3	9	4.0	3	a

\* By place of occurrence: The place where the event occurred (regardless of place of residence).

By place of residence: The place a person lives or maintains legal residency. For live births, the mother's residence is used.

- Represents zero events.

a Rates and ratios are not calculated for fewer than five events.

b Infant mortality rates and fetal mortality ratios are not calculated for cities reporting fewer than 1,000 births.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Note: Fetal deaths of 20 weeks or more gestation are required by law to be registered. Maternal deaths are those due to complications of pregnancy, childbirth, and the puerperium, (International Classification of Diseases - Rev. 10, Codes O00-Q99). Infant deaths are those under one year. Neonatal deaths are those under 28 days. Postneonatal deaths are those occurring on the 28th day and up to one year of age.

Source: State of California, Department of Health Services, Birth, Death and Fetal Death Records.

State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 1-4. COMPARISON OF VITAL STATISTICS RATES, CALIFORNIA AND UNITED STATES, 1980-2004 (By Place of Residence)

(Birth rates are live births per 1,000 female population in specified age group. General fertility rates are live births per 1,000 women of childbearing age (15-44 years). Total fertility rate is the sum of birth rates for 5-year age groups (age 15-44) multiplied by 5. Age-adjusted death rates are calculated using Year 2000 U.S. standard population; infant and neonatal mortality rates are per 1,000 live births.)

YEAR	BIRTH RATE		GENERAL FERTILITY RATE		TOTAL FERTILITY RATE		AGE-ADJUSTED DEATH RATE		INFANT MORTALITY RATE		NEONATAL MORTALITY RATE	
	California	United States	California	United States	California	United States	California	United States	California	United States	California	United States
2004	15.0	14.0	69.3	66.3	2,128	2,049	686.6	801.0	5.2	6.8	3.5	4.5
2003	15.1	14.1	69.5	66.1	2,128	2,043	717.2	832.7	5.2	6.9	3.5	4.6
2002	15.0	13.9	68.4	64.8	2,088	2,013	723.4	845.3	5.4	7.0	3.6	4.7
2001	15.2	14.1	68.7	65.3	2,093	2,034	752.7	854.5	5.3	6.9	3.6	4.5
<b>2000</b>	<b>15.4</b>	<b>14.4</b>	<b>70.0</b>	<b>65.9</b>	<b>2,130</b>	<b>2,056</b>	<b>772.9</b>	<b>869.0</b>	<b>5.4</b>	<b>6.9</b>	<b>3.7</b>	<b>4.6</b>
1999	15.3	14.2	68.6	64.4	2,078	2,008	817.3	875.6	5.4	7.1	3.6	4.7
1998	15.6	14.3	69.7	64.3	2,102	1,999	847.8	870.6	5.7	7.2	3.8	4.8
1997	15.9	14.2	70.8	63.6	2,129	1,971	855.5	878.1	5.9	7.2	3.9	4.8
1996	16.6	14.4	73.6	64.1	2,207	1,976	866.1	894.1	5.9	7.3	3.8	4.8
<b>1995</b>	<b>17.1</b>	<b>14.6</b>	<b>75.5</b>	<b>64.6</b>	<b>2,258</b>	<b>1,978</b>	<b>877.2</b>	<b>909.8</b>	<b>6.3</b>	<b>7.6</b>	<b>3.9</b>	<b>4.9</b>
1994	17.6	15.0	77.6	65.9	2,307	2,002	889.6	913.5	7.0	8.0	4.4	5.1
1993	18.3	15.4	79.8	67.0	2,360	2,020	892.2	926.1	6.8	8.4	4.2	5.3
1992	18.9	15.8	82.0	68.4	2,407	2,046	883.2	905.6	6.9	8.5	4.2	5.4
1991	19.5	16.2	83.7	69.3	2,444	2,063	907.2	922.3	7.5	8.9	4.6	5.6
<b>1990</b>	<b>20.0</b>	<b>16.7</b>	<b>84.6</b>	<b>70.9</b>	<b>2,445</b>	<b>2,081</b>	<b>933.4</b>	<b>938.7</b>	<b>7.9</b>	<b>9.2</b>	<b>4.8</b>	<b>5.9</b>
1989	19.5	16.4	80.4	69.2	2,293	2,014	944.1	950.5	8.5	9.8	5.2	6.2
1988	18.8	16.0	76.9	67.3	2,174	1,934	959.4	975.7	8.6	10.0	5.1	6.3
1987	18.2	15.7	74.2	65.8	2,080	1,872	950.3	970.0	9.0	10.1	5.5	6.5
1986	17.8	15.6	72.7	65.4	2,022	1,838	936.3	978.6	8.9	10.4	5.6	6.7
<b>1985</b>	<b>17.8</b>	<b>15.8</b>	<b>72.9</b>	<b>66.3</b>	<b>2,014</b>	<b>1,844</b>	<b>959.9</b>	<b>988.1</b>	<b>9.5</b>	<b>10.6</b>	<b>6.0</b>	<b>7.0</b>
1984	17.3	15.6	71.1	65.5	1,950	1,807	949.9	982.5	9.4	10.8	5.9	7.0
1983	17.2	15.6	70.8	65.7	1,930	1,799	932.2	990.0	9.7	11.2	6.2	7.3
1982	17.3	15.9	71.5	67.3	1,933	1,828	954.8	985.0	9.8	11.5	6.3	7.7
1981	17.3	15.8	71.7	67.3	1,925	1,812	961.8	1007.1	10.2	11.9	6.4	8.0
<b>1980</b>	<b>16.9</b>	<b>15.9</b>	<b>70.4</b>	<b>68.4</b>	<b>1,885</b>	<b>1,840</b>	<b>993.4</b>	<b>1039.1</b>	<b>11.1</b>	<b>12.6</b>	<b>7.2</b>	<b>8.5</b>

Source: State of California, Department of Health Services, Birth and Death Records.

State of California, Department of Finance, Population Estimates for California Counties, E-2 Reports.

1980-1989 Population: 1970-1989 Race/Ethnic Population with Age and Sex Detail, December 1998;

1990-1999 Population: 1990-1999 Race/Ethnic Population with Age and Sex Detail, May 2004.

2000-2004 Population: 2000-2050 Race/Ethnic Population with Age and Sex Detail, May 2004.

U.S. Births 1980-2003: Martin JA, Hamilton BE, Sutton PD, Ventura SJ, Menacker F, Munson ML. Births: Final Data for 2003. National Vital Statistics Reports; Vol. 54, No. 2. Hyattsville, MD: National Center for Health Statistics. September 2005.

U.S. Births 2004: Hamilton BE, Martin JA, Ventura SJ, Sutton PD, Menacker F. Births: Preliminary Data for 2004. National Vital Statistics Reports; Vol. 54, No. 8. Hyattsville, MD: National Center for Health Statistics. December 2005.

U.S. Deaths 1980-2003: Hoyert DL, Heron MP, Murphy SL, Kung H. Deaths: Final Data for 2003. National Vital Statistics Reports; Vol. 54, No. 13. Hyattsville, MD: National Center for Health Statistics. April 2006.

U.S. Deaths 2004: Minino AM, Heron MP, Smith BL. Deaths: Preliminary Data for 2004. National Vital Statistics Reports; Vol. 54, No. 19. Hyattsville, MD: National Center for Health Statistics. June 2006.

TABLE 1-5. GENERAL FERTILITY RATES, TOTAL FERTILITY RATES, AND BIRTH RATES BY AGE OF MOTHER, CALIFORNIA AND UNITED STATES, 1980-2004 (By Place of Residence)

(General fertility rates are live births per 1,000 women of childbearing age (15-44 years). Total fertility rate is the sum of birth rates for 5-year age groups (age 15-44) multiplied by 5. Birth rates are live births per 1,000 female population in specified age group.)

YEAR	GENERAL FERTILITY RATE	TOTAL FERTILITY RATE	BIRTH RATE BY AGE OF MOTHER							
			Under 15 <sup>1</sup>	15-19	20-24	25-29	30-34	35-39	40-44	45 and Over <sup>2</sup>
CALIFORNIA										
2004	69.3	2,127.5	0.5	38.1	100.9	118.4	100.9	54.6	12.6	0.9
2003	69.5	2,127.7	0.5	38.9	103.1	117.9	100.0	53.1	12.6	0.9
2002	68.4	2,088.0	0.6	40.6	104.6	113.4	96.3	50.8	11.9	0.9
2001	68.7	2,092.7	0.6	43.7	106.3	111.7	95.4	49.8	11.8	0.9
2000	70.0	2,129.7	0.7	46.7	107.3	113.4	97.2	49.7	11.7	0.8
1999	68.6	2,077.8	0.9	48.5	105.9	109.1	93.8	47.3	11.0	0.8
1998	69.7	2,102.3	0.9	50.9	107.9	110.7	92.9	47.1	11.0	0.7
1997	70.8	2,128.8	1.1	53.8	110.3	112.1	92.5	46.2	10.8	0.7
1996	73.6	2,207.1	1.3	58.2	115.4	117.0	93.9	46.0	10.8	0.6
1995	75.5	2,257.6	1.5	62.9	118.4	120.1	94.1	45.4	10.6	0.7
1994	77.6	2,306.5	1.5	65.5	122.3	124.2	94.1	44.9	10.3	0.7
1993	79.8	2,306.1	1.4	67.0	127.6	128.3	94.7	44.4	10.0	0.6
1992	82.0	2,407.3	1.5	68.6	131.4	131.0	95.6	45.1	9.8	0.6
1991	83.7	2,444.0	1.4	70.9	134.1	133.7	95.8	44.8	9.5	0.6
1990	84.6	2,445.2	1.4	69.4	134.7	134.7	96.9	44.3	9.1	0.6
1989	80.4	2,293.3	1.4	62.7	125.0	128.5	92.0	41.8	8.5	0.4
1988	76.9	2,174.4	1.2	56.2	117.0	125.0	89.5	39.4	7.8	0.5
1987	74.2	2,080.0	1.1	51.9	112.8	121.5	86.1	36.5	7.3	0.5
1986	72.7	2,022.2	1.0	50.0	112.5	119.0	82.6	33.8	6.6	0.4
1985	72.9	2,013.5	1.0	49.3	113.1	120.0	81.4	32.8	6.2	0.4
1984	71.1	1,949.5	1.0	48.3	111.8	116.2	77.0	30.6	6.0	0.4
1983	70.8	1,930.3	0.9	49.1	113.0	114.5	74.4	29.3	5.7	0.4
1982	71.5	1,933.4	0.9	51.2	116.1	115.1	71.1	27.7	5.5	0.4
1981	71.7	1,924.6	1.0	52.9	117.4	114.1	69.1	26.0	5.5	0.3
1980	70.4	1,885.2	0.9	52.4	116.2	111.2	67.4	24.7	5.1	0.3
UNITED STATES										
2004	66.3	2,048.5	0.7	41.2	101.8	115.5	95.5	45.4	9.0	0.6
2003	66.1	2,042.5	0.6	41.6	102.6	115.6	95.1	43.8	8.7	0.5
2002	64.8	2,013.0	0.7	43.0	103.6	113.6	91.5	41.4	8.3	0.5
2001	65.3	2,034.0	0.8	45.3	106.2	113.4	91.9	40.6	8.1	0.5
2000	65.9	2,056.0	0.9	47.7	109.7	113.5	91.2	39.7	8.0	0.5
1999	64.4	2,007.5	0.9	48.8	107.9	111.2	87.1	37.8	7.4	0.4
1998	64.3	1,999.0	1.0	50.3	108.4	110.2	85.2	36.9	7.4	0.4
1997	63.6	1,971.0	1.1	51.3	107.3	108.3	83.0	35.7	7.1	0.4
1996	64.1	1,976.0	1.2	53.5	107.8	108.6	82.1	34.9	6.8	0.3
1995	64.6	1,978.0	1.3	56.0	107.5	108.8	81.1	34.0	6.6	0.3
1994	65.9	2,001.5	1.4	58.2	109.2	111.0	80.4	33.4	6.4	0.3
1993	67.0	2,019.5	1.4	59.0	111.3	113.2	79.9	32.7	6.1	0.3
1992	68.4	2,046.0	1.4	60.3	113.7	115.7	79.6	32.3	5.9	0.3
1991	69.3	2,062.5	1.4	61.8	115.3	117.2	79.2	31.9	5.5	0.2
1990	70.9	2,081.0	1.4	59.9	116.5	120.2	80.8	31.7	5.5	0.2
1989	69.2	2,014.0	1.4	57.3	113.8	117.6	77.4	29.9	5.2	0.2
1988	67.3	1,934.0	1.3	53.0	110.2	114.4	74.8	28.1	4.8	0.2
1987	65.8	1,872.0	1.3	50.6	107.9	111.6	72.1	26.3	4.4	0.2
1986	65.4	1,837.5	1.3	50.2	107.4	109.8	70.1	24.4	4.1	0.2
1985	66.3	1,844.0	1.2	51.0	108.3	111.0	69.1	24.0	4.0	0.2
1984 <sup>a</sup>	65.5	1,806.5	1.2	50.6	106.8	108.7	67.0	22.9	3.9	0.2
1983 <sup>a</sup>	65.7	1,799.0	1.1	51.4	107.8	108.5	64.9	22.0	3.9	0.2
1982 <sup>a</sup>	67.3	1,827.5	1.1	52.4	111.6	111.0	64.1	21.2	3.9	0.2
1981 <sup>a</sup>	67.3	1,812.0	1.1	52.2	112.2	111.5	61.4	20.0	3.8	0.2
1980 <sup>a</sup>	68.4	1,839.5	1.1	53.0	115.1	112.9	61.9	19.8	3.9	0.2

<sup>1</sup> For women under 15, the rate is calculated using the female population 10-14 years of age.

<sup>2</sup> For women 45 and over, the rate is calculated using female population 45-49 years of age.

<sup>a</sup> Based on 100 percent of births for selected states and a 50 percent sample of births for all other states.

Source: State of California, Department of Health Services, Birth Records.

State of California, Department of Finance, 1980-1989 Population: 1970-1989 Race/Ethnic Population with Age and Sex Detail, December 1998

1990-1999 Population: 1990-1999 Race/Ethnic Population with Age and Sex Detail, May 2004;

2000-2004 Population: 2000-2004 Race/Ethnic Population with Age and Sex Detail, May 2004

U.S. Births 1980-2003: Martin JA, Hamilton BE, Sutton PD, Ventura SJ, Menacker F, Munson ML. Births: Final Data for 2003. National Vital Statistics Reports; Vol. 54, No. 2. Hyattsville, Maryland: National Center for Health Statistics. September 2005.

U.S. Births 2004: Hamilton BE, Martin JA, Ventura SJ, Sutton PD, Menacker F. Births: Preliminary Data for 2004. National Vital Statistics Reports; Vol. 54, No. 8. Hyattsville, Maryland: National Center for Health Statistics. December 2005.

TABLE 1-6. COMPARISON OF PERCENT OF BIRTHS WITH SELECTED DEMOGRAPHIC AND MEDICAL CHARACTERISTICS, CALIFORNIA AND UNITED STATES, 1990-2004 (By Place of Residence)

YEAR	PERCENTAGE OF DEMOGRAPHIC CHARACTERISTICS									
	Mothers Under 20 Years of Age		Mothers Completing 12 Years or More of School		Mothers Born in the United States		Unmarried Mothers <sup>1</sup>		At Least 4 Live Births <sup>2</sup>	
	California	United States	California	United States	California	United States	California	United States	California	United States
2004	9.3	10.3	71.9	77.8	53.2	75.8	34.4	35.7	12.0	10.9
2003	9.3	10.3	71.9	78.4	53.6	76.3	33.5	34.6	11.8	10.8
2002	9.6	10.8	71.2	78.5	53.5	76.7	33.0	34.0	12.1	10.8
2001	10.2	11.3	70.3	78.3	53.7	77.5	32.7	33.5	12.3	10.8
<b>2000</b>	<b>10.6</b>	<b>11.8</b>	<b>70.2</b>	<b>78.3</b>	<b>54.3</b>	<b>78.6</b>	<b>32.7</b>	<b>33.2</b>	<b>12.2</b>	<b>10.6</b>
1999	11.1	12.3	69.6	78.3	55.4	79.8	32.9	33.0	12.4	10.5
1998	11.4	12.5	69.0	78.1	56.0	80.5	32.8	32.8	12.8	10.5
1997	11.7	12.7	67.8	77.9	55.1	80.7	33.0	32.4	12.9	10.5
1996	12.0	12.9	66.5	77.6	54.7	80.8	31.4	32.4	13.1	10.4
<b>1995</b>	<b>12.4</b>	<b>13.1</b>	<b>66.0</b>	<b>77.4</b>	<b>55.5</b>	<b>81.5</b>	<b>32.1</b>	<b>32.2</b>	<b>13.1</b>	<b>10.3</b>
1994	12.3	13.1	65.2	77.1	55.5	81.5	35.6	32.6	13.2	10.5
1993	12.0	12.8	65.0	76.7	55.2	82.4	35.1	31.0	13.4	10.7
1992	11.8	12.7	64.6	76.4	55.6	83.0	34.2	30.1	13.4	10.8
1991	11.8	12.9	64.9	75.7	57.1	83.5	33.3	29.5	13.1	10.7
<b>1990</b>	<b>11.6</b>	<b>12.8</b>	<b>66.0</b>	<b>76.1</b>	<b>59.1</b>	<b>84.3</b>	<b>31.4</b>	<b>28.1</b>	<b>12.8</b>	<b>10.5</b>

YEAR	PERCENTAGE OF MEDICAL CHARACTERISTICS									
	Late or No Prenatal Care <sup>3</sup>		Preterm Birth <sup>4</sup>		Cesarean Deliveries		Low Birthweight <sup>5</sup>			
	California	United States	California	United States	California	United States	California	United States	California	United States
2004	2.6	3.6	10.9	12.5	29.3	29.1	6.7	8.1		
2003	2.5	3.5	10.7	12.3	27.9	27.5	6.6	7.9		
2002	2.6	3.6	10.5	12.1	26.8	26.1	6.4	7.8		
2001	2.9	3.7	10.4	11.9	25.1	24.4	6.3	7.7		
<b>2000</b>	<b>3.1</b>	<b>3.9</b>	<b>10.4</b>	<b>11.6</b>	<b>23.4</b>	<b>22.9</b>	<b>6.2</b>	<b>7.6</b>		
1999	3.2	3.8	10.5	11.8	22.7	22.0	6.1	7.6		
1998	3.6	3.9	10.6	11.6	21.7	21.2	6.2	7.6		
1997	3.7	3.9	10.4	11.4	21.0	20.8	6.1	7.5		
1996	3.8	4.0	10.3	11.0	20.6	20.7	6.1	7.4		
<b>1995</b>	<b>4.6</b>	<b>4.2</b>	<b>10.3</b>	<b>11.0</b>	<b>20.6</b>	<b>20.8</b>	<b>6.1</b>	<b>7.3</b>		
1994	4.9	4.4	10.2	11.0	20.8	21.2	6.2	7.3		
1993	5.0	4.8	10.2	11.0	21.3	21.8	6.0	7.2		
1992	5.3	5.2	10.0	10.7	21.6	22.3	5.9	7.1		
1991	6.3	5.8	10.0	10.8	22.3	22.6	5.8	7.1		
<b>1990</b>	<b>7.0</b>	<b>6.1</b>	<b>10.0</b>	<b>10.6</b>	<b>22.3</b>	<b>22.7</b>	<b>5.8</b>	<b>7.0</b>		

<sup>1</sup> Unmarried status in California was estimated prior to 1997. See Chapter 6.

<sup>2</sup> Number of mothers who have had at least 4 children and were 15 years old or older.

<sup>3</sup> Prenatal care received in the third trimester or no prenatal care.

<sup>4</sup> Birth prior to 37 completed weeks of gestation. Live births less than 17 weeks gestation may reflect reporting inaccuracies and were removed before calculating percentages.

<sup>5</sup> Birthweight of less than 2,500 grams (5.5 pounds).

Source: State of California, Department of Health Services, Birth Records.  
 Hamilton BE, Martin JA, Ventura SJ, Sutton PD, Menacker F. Births: Preliminary Data for 2004. National Vital Statistics Reports; Vol. 54, No. 8.  
 Hyattsville, Maryland: National Center for Health Statistics. 2005.  
 Martin JA, Hamilton BE, Sutton PD, Ventura SJ, Menacker F. Births: Final Data for 2004. National Vital Statistics Reports; Vol. 55, No. 1.  
 Hyattsville, Maryland: National Center for Health Statistics. 2006.

TABLE 1-7. DEATHS, AGE-ADJUSTED DEATH RATES BY SEX, INFANT MORTALITY RATES, AGE-SPECIFIC DEATH RATES, AND PERCENT CHANGE IN DEATHS AND RATES, CALIFORNIA AND UNITED STATES, 2003-2004.

DEATHS	CALIFORNIA						UNITED STATES					
	2003			2004			2003			2004		
	Number	Rate <sup>1</sup>	Percent Change	Number	Rate <sup>1</sup>	Percent Change	Number	Rate <sup>1</sup>	Percent Change	Number	Rate <sup>1</sup>	Percent Change
TOTAL	239,325	717.2	-2.9	232,464	686.6	-4.3	2,443,908	831.2	-1.9	2,398,343	801.0	-3.6
Males	120,161	842.0	-2.7	116,934	804.3	-4.5	1,198,454	991.7	-1.5	1,179,995	955.1	-3.7
Females	119,164	613.4	-3.0	115,530	588.5	-4.1	1,245,454	705.4	-2.2	1,218,348	680.1	-3.6
Under 1	2,819	521.2	-0.3	2,811	525.6	0.8	28,422	694.7	-2.1	27,838	682.8	-1.7
1-4	558	27.8	-6.1	524	25.6	-7.9	4,905	31.1	-2.1	4,801	30.0	-3.5
5-14	839	15.5	-10.0	755	14.1	-9.0	6,903	16.8	-2.1	6,756	16.6	-1.2
15-24	3,682	71.3	-0.4	3,666	69.2	-2.9	33,050	80.2	-0.1	33,020	79.2	-1.2
25-34	4,399	83.9	-0.5	4,375	83.6	-0.4	40,731	102.2	-1.2	40,244	100.5	-1.7
35-44	9,423	166.8	-5.8	8,879	156.5	-6.2	88,433	199.3	-4.7	84,310	191.1	-4.1
45-54	18,555	385.0	-0.8	18,404	373.2	-3.1	175,591	430.3	0.3	176,105	423.1	-1.7
55-64	25,293	803.8	0.6	25,451	770.5	-4.1	261,505	937.3	0.7	263,413	905.9	-3.4
65-74	38,400	1,922.7	-3.9	36,907	1,822.1	-5.2	413,227	2,253.5	-3.2	399,841	2,165.6	-3.9
75-84	68,278	4,826.5	-3.8	65,715	4,626.5	-4.1	702,641	5,460.1	-2.3	686,293	5,291.0	-3.1
85 +	66,997	12,398.3	-3.1	64,920	11,873.4	-4.2	687,959	14,595.6	-1.8	675,296	13,896.0	-4.8
Unknown	82		-30.5	57			533		-20.1	426		

<sup>1</sup> Age-adjusted rates for Total, Males, and Females are age-adjusted to the Year 2000 U.S. Standard Population. Death rates for Under 1 year (based on population estimates) differ from infant mortality rates (based on live births) in later chapters of this report. Age-specific rates are per 100,000 population in specified age group.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance. Race/Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

Minino AM, Heron MP, Smith BL. Deaths: Preliminary Data for 2004. National Vital Statistics Reports; Vol. 54, No. 19. Hyattsville, MD: National Center for Health Statistics. 2006.



TABLE 1-8. DEATHS, PERCENT OF DEATHS, DEATH RATES, AND AGE-ADJUSTED DEATH RATES FOR LEADING CAUSES OF DEATH, CALIFORNIA AND UNITED STATES, 2004 (By Place of Residence)

ICD CODES REV. 10	CAUSE OF DEATH	TOTAL DEATHS - CALIFORNIA						TOTAL DEATHS - UNITED STATES				
		RANK	DEATHS	PERCENT	DEATH RATE	AGE-ADJUSTED DEATH RATE	RANK	DEATHS	PERCENT	DEATH RATE	AGE-ADJUSTED DEATH RATE	
A00-Y89	All Causes		232,464	100.0	639.1	686.6		2,398,365	100.0	816.7	801.1	
I00-I09, I11, I13, I20-I51	Diseases of Heart	1	65,002	28.0	178.7	193.0	1	654,092	27.3	222.7	217.5	
C00-C97	Malignant Neoplasms	2	53,708	23.1	147.6	160.6	2	550,270	22.9	187.4	184.6	
I60-I69	Cerebrovascular Diseases	3	16,884	7.3	46.4	50.3	3	150,147	6.3	51.1	50.0	
J40-J47	Chronic Lower Respiratory Disease	4	12,519	5.4	34.4	38.0	4	123,884	5.2	42.2	41.8	
V01-X59, Y85-Y86	Accidents	5	10,614	4.6	29.2	29.6	5	108,694	4.5	37.0	36.6	
J10-J18	Influenza & Pneumonia	6	7,331	3.2	20.2	21.8	8	61,472	2.6	20.9	20.4	
E10-E14	Diabetes	7	7,119	3.1	19.6	21.3	6	72,815	3.0	24.8	24.4	
G30	Alzheimer's Disease	8	6,962	3.0	19.1	20.6	7	65,829	2.7	22.4	21.7	
K70, K73-K74	Chronic Liver Disease & Cirrhosis	9	3,686	1.6	10.1	10.6	-	26,549	1.1	9.0	8.8	
U03, X60-X84, Y87.0	Intentional Self-Harm (Suicide)	10	3,364	1.4	9.2	9.4	-	31,647	1.3	10.8	10.7	
RESIDUAL	All Other Causes		45,275	19.5				552,966	23.1			

- Not among the ten leading causes for the United States.

Note: The leading causes are presented in 2004 ranking for California deaths.

Percentages are rounded independently and may not add to totals.

Rates are per 100,000 population in specified groups. Age-adjusted death rates are calculated using the Year 2000 U.S. standard population.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance. Race/Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

Minino AM, Heron MP, Smith BL. Deaths: Preliminary Data for 2004. National Vital Statistics Reports; Vol. 54, No. 19. Hyattsville, MD: National Center for Health Statistics. 2006.

TABLE 1-9. NUMBER AND PERCENT OF INFANT DEATHS, AND INFANT MORTALITY RATES FOR LEADING CAUSES OF INFANT DEATH, CALIFORNIA AND UNITED STATES, 2004 (By Place of Residence)  
(Infant mortality rates are per 100,000 live births.)

ICD CODES REV. 10	CAUSE OF DEATH	TOTAL INFANT DEATHS - CALIFORNIA				TOTAL INFANT DEATHS - UNITED STATES			
		RANK	DEATHS	PERCENT	MORTALITY RATE	RANK	DEATHS	PERCENT	MORTALITY RATE
A00-Y89	All Causes		2,811	100.0	516.1		27,835	100.0	676.3
Q00-Q99	Congenital Malformations, Deformations, and Chromosomal Abnormalities	1	694	24.7	127.4	1	5,627	20.2	136.7
P07	Disorders of Short Gestation and Low Birthweight	2	412	14.7	75.6	2	4,685	16.8	113.8
R95	Sudden Infant Death Syndrome	3	171	6.1	31.4	3	2,109	7.6	51.2
P01	Effect of Maternal Complications of Pregnancy	4	106	3.8	19.5	4	1,705	6.1	41.4
P02	Complications of Placenta, Cord, and Membrane	5	98	3.5	18.0	5	998	3.6	24.2
P22	Respiratory Distress of Newborn	6	96	3.4	17.6	7	877	3.2	21.3
P50-P52, P54	Neonatal Hemorrhage	7	88	3.1	16.2	9	593	2.1	14.4
P36	Bacterial Sepsis of Newborn	8	69	2.5	12.7	8	798	2.9	19.4
V01-X59	Accidents	9	67	2.4	12.3	6	995	3.6	24.2
P20-P21	Intrauterine Hypoxia & Birth Asphyxia	9	67	2.4	12.3	10	502	1.8	12.2
P28.0-P28.1	Atelectasis	10	47	1.7	8.6	-	443	1.6	10.8
RESIDUAL	All Other Causes		896	31.9			8,503	30.5	

- Not among the ten leading causes of death.

Note: The leading causes are presented in 2004 ranking for California infant deaths.  
Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Birth and Death Records.  
Minino AM, Heron MP, Smith BL. Deaths: Preliminary Data for 2004. National Vital Statistics Reports; Vol. 54, No. 19. Hyattsville, MD:  
National Center for Health Statistics. 2006.



TABLE 1-10. BIRTHS, PERINATAL AND INFANT DEATHS, AND DEATH RATES BY BIRTHWEIGHT, CALIFORNIA, 2003  
(By Place of Residence) (Based on 2003 Birth Cohort File)

BIRTHWEIGHT IN GRAMS	BIRTHS		INFANT DEATHS				
			PERINATAL DEATHS				Total Infant Deaths
	Total Births	Live Births	Total Perinatal Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	
<b>TOTAL</b>	<b>543,453</b>	<b>540,812</b>	<b>4,615</b>	<b>2,960</b>	<b>1,974</b>	<b>891</b>	<b>2,865</b>
UNDER 500 GRAMS	1,427	629	1,332	917	534	11	545
500-999 GRAMS	2,932	2,364	1,186	636	618	119	737
1000-1499 GRAMS	3,583	3,337	378	274	132	42	174
1500-2499 GRAMS	29,742	29,310	708	482	276	142	418
2500 GRAMS AND OVER	505,637	505,072	903	601	338	565	903
UNKNOWN	132	100	108	50	76	12	88

BIRTHWEIGHT IN GRAMS	BIRTHS		INFANT DEATHS				
			PERINATAL DEATHS				Total Infant Death Rate
	Total Births	Live Births	Total Perinatal Death Rate	Fetal Death Rate	Neonatal Death Rate	Post- Neonatal Death Rate	
<b>TOTAL <sup>1</sup></b>	<b>543,453</b>	<b>540,812</b>	<b>8.5</b>	<b>5.4</b>	<b>3.7</b>	<b>1.6</b>	<b>5.3</b>
UNDER 500 GRAMS	1,427	629	933.4	642.6	a	a	a
500-999 GRAMS	2,932	2,364	404.5	216.9	261.4	50.3	311.8
1000-1499 GRAMS	3,583	3,337	105.5	76.5	39.6	12.6	52.1
1500-2499 GRAMS	29,742	29,310	23.8	16.2	9.4	4.8	14.3
2500 GRAMS AND OVER	505,637	505,072	1.8	1.2	0.7	1.1	1.8

<sup>1</sup> Includes unknown birthweight.

a Rates not calculated for fewer than 1,000 births.

Note: Total births are live births plus fetal deaths of 20 weeks or more gestation.

Neonatal deaths are deaths under 28 days of age.

Perinatal deaths are neonatal deaths plus fetal deaths of 20 weeks or more gestation.

Postneonatal deaths are deaths occurring on the 28th day and up to one year of age.

Infant deaths are under one year of age.

Perinatal and fetal death rates are per 1,000 total births.

Neonatal, postneonatal, and infant death rates are per 1,000 live births.

Death rates based on small numbers are highly unreliable.

Rates are not shown for unknown categories.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 1-11. BIRTHS, PERINATAL AND INFANT DEATHS, AND DEATH RATES BY METHOD OF DELIVERY, CALIFORNIA, 2003  
(By Place of Residence) (Based on 2003 Birth Cohort File)

METHOD OF DELIVERY	BIRTHS		INFANT DEATHS				
			PERINATAL DEATHS				
	Total Births	Live Births	Total Perinatal Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
<b>TOTAL</b>	<b>543,453</b>	<b>540,812</b>	<b>4,615</b>	<b>2,960</b>	<b>1,974</b>	<b>891</b>	<b>2,865</b>
CESAREAN	151,170	150,787	1,114	423	731	383	1,114
VAGINAL AFTER C-SECTION	4,416	4,378	61	46	23	7	30
VAGINAL OTHER	387,753	385,560	3,338	2,431	1,145	489	1,634
UNKNOWN	114	87	102	60	75	12	87

METHOD OF DELIVERY	BIRTHS		INFANT DEATHS				
			PERINATAL DEATHS				
	Total Births	Live Births	Total Perinatal Death Rate	Fetal Death Rate	Neonatal Death Rate	Post-Neonatal Death Rate	Total Infant Death Rate
<b>TOTAL <sup>1</sup></b>	<b>543,453</b>	<b>540,812</b>	<b>8.5</b>	<b>5.4</b>	<b>3.7</b>	<b>1.6</b>	<b>5.3</b>
CESAREAN	151,170	150,787	7.4	2.8	4.8	2.5	7.4
VAGINAL AFTER C-SECTION	4,416	4,378	13.8	10.4	5.3	1.6	6.9
VAGINAL OTHER	387,753	385,560	8.6	6.3	3.0	1.3	4.2

<sup>1</sup> Includes unknown method of delivery.

Note: Total births are live births plus fetal deaths of 20 weeks or more gestation.

Neonatal deaths are deaths under 28 days of age.

Perinatal deaths are neonatal deaths plus fetal deaths of 20 weeks or more gestation.

Postneonatal deaths are deaths occurring on the 28th day and up to one year of age.

Infant deaths are under one year of age.

Perinatal and fetal death rates are per 1,000 total births.

Neonatal, postneonatal, and infant death rates are per 1,000 live births.

Death rates based on small numbers are highly unreliable.

Rates are not shown for unknown categories.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 1-12. BIRTHS, INFANT DEATHS, AND DEATH RATES BY RACE/ETHNIC GROUP <sup>1</sup>  
OF MOTHER, CALIFORNIA, 2003 (By Place of Residence) (Based on 2003 Birth Cohort File)

RACE/ETHNIC GROUP OF MOTHER	LIVE BIRTHS	INFANT DEATHS			
		Early Neonatal Deaths	Late Neonatal Deaths	Post- Neonatal Deaths	Total Infant Deaths
<b>TOTAL</b>	<b>540,812</b>	<b>1,576</b>	<b>398</b>	<b>891</b>	<b>2,865</b>
HISPANIC	269,637	755	191	419	1,365
NONHISPANIC					
2 OR MORE RACES	7,110	14	5	9	28
AMERICAN INDIAN	2,004	8	1	5	14
ASIAN	61,509	127	42	67	236
BLACK	29,196	168	38	114	320
PACIFIC ISLANDER	2,409	10	2	7	19
WHITE	162,901	364	105	249	718
OTHER	206	1	-	1	2
UNKNOWN	5,840	129	14	20	163

RACE/ETHNIC GROUP OF MOTHER	LIVE BIRTHS	INFANT DEATHS			
		Early Neonatal Death Rate	Late Neonatal Death Rate	Post- Neonatal Death Rate	Total Infant Death Rate
<b>TOTAL <sup>2</sup></b>	<b>540,812</b>	<b>2.9</b>	<b>0.7</b>	<b>1.6</b>	<b>5.3</b>
HISPANIC	269,637	2.8	0.7	1.6	5.1
NONHISPANIC					
2 OR MORE RACES	7,110	2.0	0.7	1.3	3.9
AMERICAN INDIAN	2,004	4.0	a	2.5	7.0
ASIAN	61,509	2.1	0.7	1.1	3.8
BLACK	29,196	5.8	1.3	3.9	11.0
PACIFIC ISLANDER	2,409	4.2	a	2.9	7.9
WHITE	162,901	2.2	0.6	1.5	4.4
OTHER	206	a, b	-	a, b	a, b

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>2</sup> Includes unknown race/ethnicity

a Rates not calculated for fewer than five events.

b Rates not calculated for fewer than 1,000 births.

Note: Neonatal deaths are deaths under 28 days of age.

Early neonatal deaths are those occurring during the first six days of life.

Late neonatal deaths are those occurring between the seventh and the 27th day of life.

Postneonatal deaths are deaths occurring on the 28th day and up to one year of age.

Infant deaths are under one year of age.

Early and late neonatal, postneonatal, and infant death rates are per 1,000 live births.

Death rates based on small numbers are highly unreliable.

Rates are not shown for unknown categories.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 1-13. BIRTHS, PERINATAL AND INFANT DEATHS, AND DEATH RATES BY AGE OF MOTHER, CALIFORNIA, 2003  
(By Place of Residence) (Based on 2003 Birth Cohort File)

AGE OF MOTHER	BIRTHS		INFANT DEATHS				
			PERINATAL DEATHS				
	Total Births	Live Births	Total Perinatal Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
<b>TOTAL</b>	<b>543,453</b>	<b>540,812</b>	<b>4,615</b>	<b>2,960</b>	<b>1,974</b>	<b>891</b>	<b>2,865</b>
UNDER 15	713	709	9	8	5	1	6
15-17	16,282	16,184	177	118	79	37	116
18-19	33,308	33,134	320	193	146	78	224
20-24	124,394	123,786	1,006	684	398	259	657
25-29	141,119	140,531	1,021	651	433	220	653
30-34	135,415	134,787	1,074	678	446	154	600
35-39	73,038	72,650	669	421	281	99	380
40-44	17,816	17,687	222	139	93	27	120
45 AND OVER	1,229	1,216	27	16	14	4	18
UNKNOWN	139	128	90	52	79	12	91

AGE OF MOTHER	BIRTHS		INFANT DEATHS				
			PERINATAL DEATHS				
	Total Births	Live Births	Total Perinatal Death Rate	Fetal Death Rate	Neonatal Death Rate	Post-Neonatal Death Rate	Total Infant Death Rate
<b>TOTAL <sup>1</sup></b>	<b>543,453</b>	<b>540,812</b>	<b>8.5</b>	<b>5.4</b>	<b>3.7</b>	<b>1.6</b>	<b>5.3</b>
UNDER 15	713	709	b	b	b	a, b	b
15-17	16,282	16,184	10.9	7.2	4.9	2.3	7.2
18-19	33,308	33,134	9.6	5.8	4.4	2.4	6.8
20-24	124,394	123,786	8.1	5.5	3.2	2.1	5.3
25-29	141,119	140,531	7.2	4.6	3.1	1.6	4.6
30-34	135,415	134,787	7.9	5.0	3.3	1.1	4.5
35-39	73,038	72,650	9.2	5.8	3.9	1.4	5.2
40-44	17,816	17,687	12.5	7.8	5.3	1.5	6.8
45 AND OVER	1,229	1,216	22.0	13.0	11.5	a	14.8

<sup>1</sup> Includes unknown age of mother.

a Rates not calculated for fewer than five events.

b Rates not calculated for fewer than 1,000 births.

Note: Total births are live births plus fetal deaths of 20 weeks or more gestation.

Neonatal deaths are deaths under 28 days of age.

Perinatal deaths are neonatal deaths plus fetal deaths of 20 weeks or more gestation.

Postneonatal deaths are deaths occurring on the 28th day and up to one year of age.

Infant deaths are under one year of age.

Perinatal and fetal death rates are per 1,000 total births.

Neonatal, postneonatal, and infant death rates are per 1,000 live births.

Death rates based on small numbers are highly unreliable.

Rates are not shown for unknown categories.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 1-14. LIFE EXPECTANCY AT BIRTH AND AVERAGE YEARS OF LIFE REMAINING AT AGE 65 BY SELECTED YEARS AND SEX, CALIFORNIA, 1919-1920<sup>a</sup>, 1929-1931<sup>a</sup>, 1939-1941<sup>a</sup>, 1950, 1959-1961, 1969-1971, 1979-1981, 1990-2004.

YEAR	AT BIRTH			AT 65 YEARS		
	TOTAL POPULATION	MALES	FEMALES	TOTAL POPULATION	MALES	FEMALES
2004	80.2	77.8	82.5	20.4	19.0	21.5
2003	79.6	77.2	82.0	19.9	18.6	21.1
2002	79.4	77.0	81.7	19.5	18.1	20.7
2001	79.1	76.8	81.4	19.3	17.9	20.5
2000	79.0	76.6	81.3	19.1	17.6	20.4
1999	78.7	76.3	81.0	18.8	17.3	20.1
1998	78.4	75.8	80.9	18.7	17.1	20.0
1997	78.1	75.5	80.7	18.6	17.0	20.0
1996	77.7	74.9	80.5	18.6	16.8	20.0
1995	77.2	74.1	80.4	18.5	16.7	19.9
1994	76.9	73.7	80.1	18.3	16.5	19.8
1993	76.8	73.5	80.1	18.3	16.5	19.8
1992	76.9	73.6	80.2	18.4	16.5	19.9
1991	76.5	73.2	79.9	18.1	16.2	19.7
1990	76.2	72.8	79.5	17.9	16.0	19.4
1979-81	74.8	71.3	78.3	17.1	14.9	19.0
1969-71	71.7	68.2	75.4	15.5	13.4	17.4
1959-61	70.9	67.6	74.5	15.1	13.3	16.7
1950	69.2	65.9	73.0	14.5	13.0	16.1
1939-41	NA	61.9	68.3	NA	11.8	14.4
1929-31	NA	58.6	63.7	NA	12.0 <sup>b</sup>	14.0 <sup>b</sup>
1919-20	NA	54.5	58.4	NA	12.4 <sup>b</sup>	13.4 <sup>b</sup>

<sup>a</sup> Whites Only

<sup>b</sup> Interpolated

NA Not Available

Sources: 1979-81 and 1990-2004 State of California, Department of Health Services, Birth and Death Records.

1969-71 National Center for Health Statistics, U.S. Decennial Life Tables for 1969-71: California, DHEW Publication No. (HRA) 75-1151, U.S. DHEW, June 1975.

1959-61 Norris FD, Riese DC. *Abridged Life Tables, California, 1959-61*, California Department of Public Health, September 1963.

1950 Schoen R, Collens M. *Mortality by Cause: Life Tables for California, 1950-1970*. California State Department for Public Health.

1939-41 National Office of Vital Statistics, State and Regional Life Tables, 1939-41, U.S. Federal Security Agency, March 11, 1948, pp. 82-85.

1919-20 and 1929-31 Dublin, L I., et al., *Length of Life*, Ronald Press Company, New York 1949, p. 325 and 333.

State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 1-15. NUMBER AND PERCENT OF WOMEN OF CHILDBEARING AGE BY AGE GROUP,  
CALIFORNIA AND UNITED STATES, 2002-2004

AGE GROUP	CALIFORNIA		UNITED STATES	
	Number	Percent	Number	Percent
<b>2004</b>				
Total (15-44)	7,856,111	100.0	62,024,212	100.0
10-14	1,377,846	-	10,307,570	-
15-19	1,305,573	16.6	10,092,051	16.3
20-24	1,231,471	15.7	10,169,701	16.4
25-29	1,195,678	15.2	9,562,793	15.4
30-34	1,334,225	17.0	10,127,610	16.3
35-39	1,364,908	17.4	10,480,333	16.9
40-44	1,424,256	18.1	11,591,724	18.7
45-49	1,325,901	-	11,203,891	-
<b>2003</b>				
Total (15-44)	7,787,249	100.0	61,910,608	100.0
10-14	1,374,562	-	10,336,612	-
15-19	1,268,519	16.3	9,959,789	16.1
20-24	1,200,730	15.4	10,063,772	16.3
25-29	1,192,465	15.3	9,395,243	15.2
30-34	1,347,809	17.3	10,254,869	16.6
35-39	1,368,806	17.6	10,681,456	17.3
40-44	1,408,920	18.1	11,555,479	18.7
45-49	1,301,478	-	11,030,309	-
<b>2002</b>				
Total (15-44)	7,739,401	100.0	62,044,142	100.0
10-14	1,349,917	-	10,311,553	-
15-19	1,237,282	16.0	9,905,023	16.0
20-24	1,176,577	15.2	9,863,491	15.9
25-29	1,210,547	15.6	9,331,760	15.0
30-34	1,353,587	17.5	10,393,768	16.8
35-39	1,374,630	17.8	10,961,381	17.7
40-44	1,386,778	17.9	11,588,719	18.7
45-49	1,265,436	-	10,810,307	-

- Percents for ages 10-14 and 45-49 not included in total.

Source: State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

Table 1: Annual Estimates of the Population by Sex and Five-Year Age Groups for the United States: April 1, 2000 to July 1, 2005 (NC-EST2005-1). Population Division, U.S. Census Bureau. May 10, 2006.

TABLE 1-16. POPULATION BY AGE AND SEX, CALIFORNIA, 2000-2004

TOTAL POPULATION					
AGE IN YEARS	2000	2001	2002	2003	2004
Total	34,043,198	34,729,740	35,338,807	35,934,967	36,376,411
Under 1	491,073	518,927	516,411	531,434	534,769
1-4	1,990,873	1,960,105	1,976,342	2,008,528	2,047,621
5-14	5,310,526	5,377,327	5,412,306	5,420,822	5,369,098
15-24	4,860,696	4,956,819	5,045,468	5,160,658	5,294,261
25-34	5,245,273	5,284,524	5,288,247	5,246,137	5,231,086
35-44	5,499,218	5,566,274	5,607,549	5,648,662	5,672,590
45-54	4,376,695	4,552,753	4,679,130	4,819,832	4,931,148
55-64	2,641,560	2,774,474	2,962,280	3,146,705	3,303,083
65-74	1,894,010	1,920,122	1,954,020	1,997,161	2,025,575
75-84	1,294,989	1,341,150	1,383,065	1,414,654	1,420,413
85+	438,285	477,265	513,989	540,374	546,767

MALE POPULATION					
AGE IN YEARS	2000	2001	2002	2003	2004
Total	16,962,094	17,313,858	17,627,812	17,938,419	18,161,654
Under 1	251,541	264,741	263,488	271,162	272,800
1-4	1,018,496	1,002,866	1,010,549	1,026,713	1,045,813
5-14	2,720,715	2,755,213	2,773,346	2,777,200	2,750,853
15-24	2,532,547	2,584,393	2,631,609	2,691,409	2,757,217
25-34	2,702,010	2,720,908	2,724,113	2,705,863	2,701,183
35-44	2,780,657	2,820,571	2,846,141	2,870,936	2,883,426
45-54	2,156,077	2,244,282	2,308,857	2,382,693	2,440,823
55-64	1,270,830	1,337,024	1,429,870	1,520,342	1,594,612
65-74	858,793	876,170	896,870	921,535	936,610
75-84	530,932	551,924	571,663	587,119	590,956
85+	139,496	155,766	171,306	183,447	187,361

FEMALE POPULATION					
AGE IN YEARS	2000	2001	2002	2003	2004
Total	17,081,104	17,415,882	17,710,995	17,996,548	18,214,757
Under 1	239,532	254,186	252,923	260,272	261,969
1-4	972,377	957,239	965,793	981,815	1,001,808
5-14	2,589,811	2,622,114	2,638,960	2,643,622	2,618,245
15-24	2,328,149	2,372,426	2,413,859	2,469,249	2,537,044
25-34	2,543,263	2,563,616	2,564,134	2,540,274	2,529,903
35-44	2,718,561	2,745,703	2,761,408	2,777,726	2,789,164
45-54	2,220,618	2,308,471	2,370,273	2,437,139	2,490,325
55-64	1,370,730	1,437,450	1,532,410	1,626,363	1,708,471
65-74	1,035,217	1,043,952	1,057,150	1,075,626	1,088,965
75-84	764,057	789,226	811,402	827,535	829,457
85+	298,789	321,499	342,683	356,927	359,406

Source: State of California, Department of Finance. Race/Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 1-17. POPULATION BY RACE/ETHNIC GROUP <sup>1</sup>, AGE, AND SEX, CALIFORNIA, 2004

AGE IN YEARS	TOTAL		HISPANIC		2 OR MORE RACE GROUPS		AMERICAN INDIAN	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	FEMALE
TOTAL	36,376,411	18,161,654	18,214,757	12,816,038	6,554,307	6,261,731	276,851	141,453
UNDER 1	534,769	272,800	261,969	273,401	139,443	133,958	3,420	1,671
1-4	2,047,621	1,045,813	1,001,808	1,003,339	512,381	490,958	10,132	4,913
5-14	5,369,098	2,750,853	2,618,245	2,503,684	1,279,931	1,223,753	44,098	21,781
15-24	5,294,261	2,757,217	2,537,044	2,275,634	1,199,542	1,076,092	45,586	22,375
25-34	5,231,086	2,701,183	2,529,903	2,332,753	1,244,497	1,088,256	36,784	18,475
35-44	5,672,590	2,883,426	2,789,164	1,954,969	1,014,652	940,317	43,965	22,597
45-54	4,931,148	2,440,823	2,490,325	1,228,904	607,654	621,250	42,504	22,304
55-64	3,303,083	1,594,612	1,708,471	636,784	298,857	337,927	26,857	14,103
65-74	2,025,575	936,610	1,088,965	357,389	157,978	199,411	12,903	6,907
75-84	1,420,413	590,956	829,457	190,758	78,695	112,063	6,734	3,894
85+	546,767	187,361	359,406	58,423	20,677	37,746	3,868	2,433

AGE IN YEARS	ASIAN		BLACK		PACIFIC ISLANDER		WHITE	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	FEMALE
TOTAL	4,037,013	1,950,625	2,086,388	2,425,066	1,193,903	1,231,163	15,967,775	8,060,692
UNDER 1	48,115	24,552	23,563	32,707	16,671	16,036	164,750	80,684
1-4	188,290	96,379	91,911	122,652	62,561	60,091	617,372	302,210
5-14	498,432	257,125	241,307	408,879	208,120	200,759	1,722,936	836,665
15-24	567,146	291,640	275,506	395,238	205,416	189,822	1,856,335	895,911
25-34	618,710	302,916	315,794	326,490	160,606	165,884	1,808,165	885,579
35-44	671,272	321,320	349,952	399,615	199,186	200,429	2,502,123	1,223,854
45-54	609,567	284,594	324,973	329,298	160,793	168,505	2,639,194	1,310,743
55-64	385,197	179,303	205,894	199,142	92,418	106,724	2,005,398	1,017,578
65-74	245,629	107,974	137,655	121,222	55,208	66,014	1,260,712	664,240
75-84	154,086	64,809	89,277	64,749	25,309	39,440	988,209	575,914
85+	50,569	20,013	30,556	25,074	7,615	17,459	402,581	267,314

Source: State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

Population estimates for the category "white" include other race and unknown race.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.



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## SUMMARY OF NATALITY

The number of babies born to California residents rose 0.7 percent from 540,827 births in 2003 to 544,685 births in 2004. After reaching a high of 611,666 births in 1990 the number of births declined until 1999 then rose in 2000, decreased in 2001 and steadily increased to 2004 (Table 2-1).

### Age of Mother

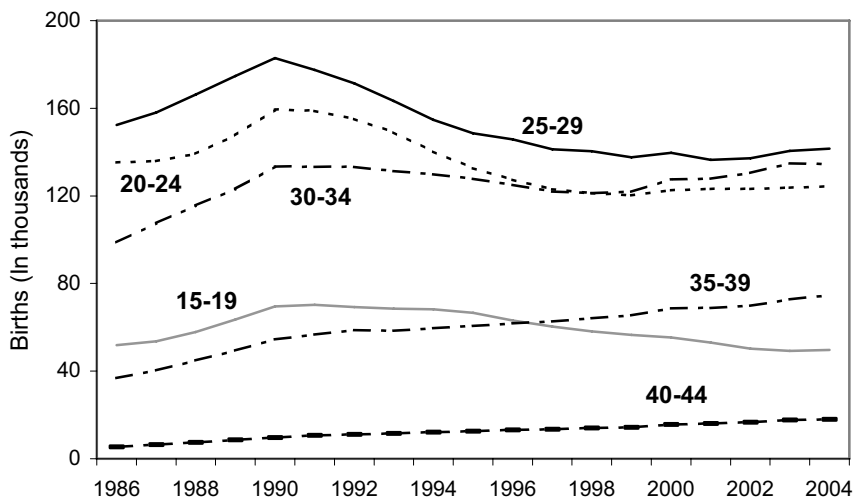
The number of births decreased in 2004 among the younger mothers aged under 15, 30-34, and 45 and over. The number of births increased for mothers aged 15-29 and 35-44 (Table 2-1).

Between 2003 and 2004, births among mothers under 15 had the largest decrease, down 2.0 percent. This is the lowest number of births for this age group since 1969.

Mothers in the age groups of 35-39 and 40-44 had the largest increases with 2.6 and 1.3 percent respectively.

Live births to mothers 35-39 have been increasing for the last eleven years while births to mothers in the age group of 40-44 have been increasing for the last 26 years.

Figure 2-1. Births by Age of Mother, California, 1986-2004



### Race/Ethnicity of Mother

*Note: Tables marked "by Race/Ethnicity" include Hispanic and non-Hispanic categories. Hispanic includes any race category. All remaining non-Hispanic individuals were included in their respective race group, i.e., Two or More Race Groups, American Indian, Asian, Black, Pacific Islander, White, and Other. The race/ethnic tables in this report are not comparable to race and ethnic tables used in Vital Statistics of California reports prior to 2000. For further information see Chapter 6.*

While the overall number of births increased between 2003 and 2004, different outcomes were seen among the race/ethnic groups. Births to Hispanic women (who account for 50.5 percent of all births, excluding unknown race) rose 2.0 percent. Births to non-Hispanic mothers who were Pacific Islander, American Indian, Asian, and Two or More Race Groups rose 5.6, 3.4, 1.0, and 0.7 percent respectively between 2003 and 2004. Births to non-Hispanic mothers who were Other Race, White, and Black fell by 9.2, 2.4, and 1.8 percent respectively (Table 2-4).

## Race of Mother

*Note: Tables marked “by Race of Mother” provide race data irrespective of Hispanic origin. Most California residents of Hispanic origin are White. Please note that “Two or More Race Groups” refers to mothers who reported two or more of the following race categories: American Indian or Alaska Native, Asian, Black or African American, Pacific Islander, White, and Other. For further information see Preface and Chapter 6.*

In 2004, 78.9 percent (excluding unknown race) of all births were to White/Other women, 5.4 percent to Black women, 2.7 percent to Filipino women, 2.4 percent to Chinese women, and 1.9 percent to women of Two or More Race Groups. These five race groups accounted for 91.3 percent of all births by race in 2004. The remaining births were distributed among 16 other races (Table 2-35).

## Birth and Fertility Rates

The birth rate in California in 2004 fell to 15.0 live births per 1,000 population, down 0.7 percent from the 15.1 rate in 2003 and down 14.8 percent from the 17.6 rate in 1994 (Table 1-1). In 2004 the birth rates for California counties ranged from a low of 5.0 in Sierra County to a high of 19.8 in Tulare County (Table 1-2).

California's 2004 general fertility rate was 69.3 births per 1,000 women aged 15-44, down 0.3 percent from 2003 and down 10.7 percent from 1994 (Table 1-5). Among California counties with at least five births and at least 1,000 population, Nevada County had the lowest fertility rate at 45.6, and Kings County had the highest rate at 95.7 (Table 2-30).

The fertility rates rose between 2003 and 2004 for two of the race/ethnic groups, Pacific Islander and White/Other Race/Unknown, by 1.7 and 0.9 percent respectively (Table 2-2). The fertility rates decreased between 2003 and 2004 for the American Indian, Black, Two or More Race Groups, Asian, and Hispanic race/ethnic groups by 3.4, 2.8, 1.8, 1.5, and 1.1 percent respectively.

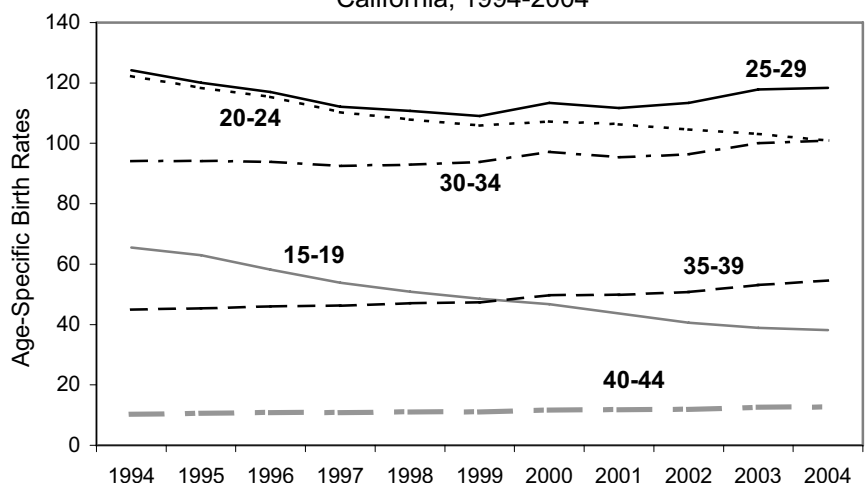
## Birth Rates by Age of Mother

In 2004 California's age-specific birth rates (per 1,000 women in specified age group) decreased from the 2003 rates for women in the age groups 15-24 and increased for women in the age groups 25-39. The rate was unchanged for mothers aged under 15, and 40 and over (Table 1-5).

Women aged 20-34 had the highest overall birth rates ranging from 94.1 and 124.2 births per 1,000 women in 1994 in their respective age groups to 100.9 and 118.4 in 2004.

The birth rates for women 30-34 declined slightly in the mid 1990's, before increasing again from 1998 to 2000 and also from 2002 to 2004. The rates for women 30-34 ranged from 94.1 in 1994 to a low of 92.5 in 1997, and rose to 100.9 in 2004. Birth rates for women 35-39 have been increasing since 1994. The rates for women 35-39 ranged from 44.9 in 1994 to 54.6 in 2004.

Figure 2-2. Age-Specific Birth Rates By Age of Mother, California, 1994-2004



During the period 1994 to 2004, the birth rate for women aged 40-44 has increased steadily from 10.3 births per 1,000 women to 12.6.

## Teen Birth Rates

Teen birth rates continued to fall in 2004 dropping to their lowest levels in decades. The birth rate in 2004 for women under 15 years (aged 10-14) was 0.5 births per 1,000 women, the same as 2003 and down 66.7 percent from 1994 (Table 1-5). Among the 22 counties with at least 5 births and 1,000 population in this age group, the 2004 birth rate for women under 15 years ranged from 0.3 in Alameda, Contra Costa, Santa Clara and Solano Counties to 1.3 in Madera County (Table 2-30).

The 2004 birth rate for women 15-19 years also reached its lowest level in decades of 38.1 births per 1,000 women, down from the rate of 38.9 in 2003 and a rate of 65.5 in 1994 (Table 1-5). Among the 49 counties with at least 5 births and 1,000 population in this age group, the 2004 birth rates for women 15-19 ranged from 12.0 in Marin County to 71.1 in Kings County (Table 2-30).

## Birth Rates by Age and Race/Ethnicity of Mother

Age-specific birth rates by race/ethnicity of mother are the number of live births to women in a specific age and race/ethnic group divided by the female population in that age and race/ethnic group (Table 2-2).

Between 2003 and 2004 the age-specific birth rates for White/Other/Unknown women decreased for mothers 15-24 and increased for mothers 25-44. For Hispanic, and women of Two or More Races the age-specific rates decreased for women under 25, 30-34, and 40 and above, while increasing for 35-39. American Indian mothers showed decreases in their age-specific birth rates in the age groups of 15-34 while increasing for 35-44.

Between 2003 and 2004 the age-specific birth rates for Asian mothers showed decreases for mothers 15-29, increases for mothers 30-39 and 45 and above, while rates in the 40-44 age group remained unchanged. For Black mothers the birth rates decreased in all age groups except for the age groups of 40-44 and under 15 where the rates did not change. The birth rates for Pacific Islander mothers decreased in the age groups of 20-24 and 40-44 while increasing for the other age groups.

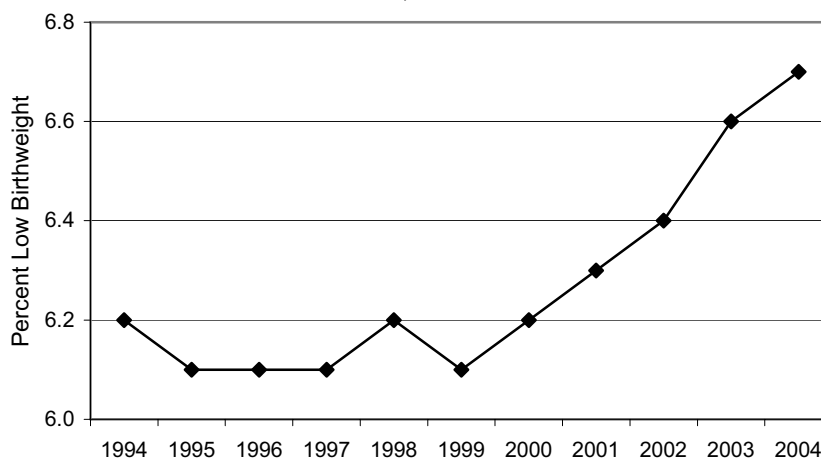
## Low Birthweight

In 2004 there were 36,481 low birthweight (less than 2,500 grams or 5.5 pounds) births in California, 6.7 percent of all births (Tables 1-6 and 2-6).

The percent of low birthweight births has risen 9.8 percent from 1995 and was up 1.5 percent from 2003 (Table 2-20).

Of the low birthweight births in 2004, 6,440 were very low birthweight (under 1,500 grams or 3.3 pounds) (Table 2-8).

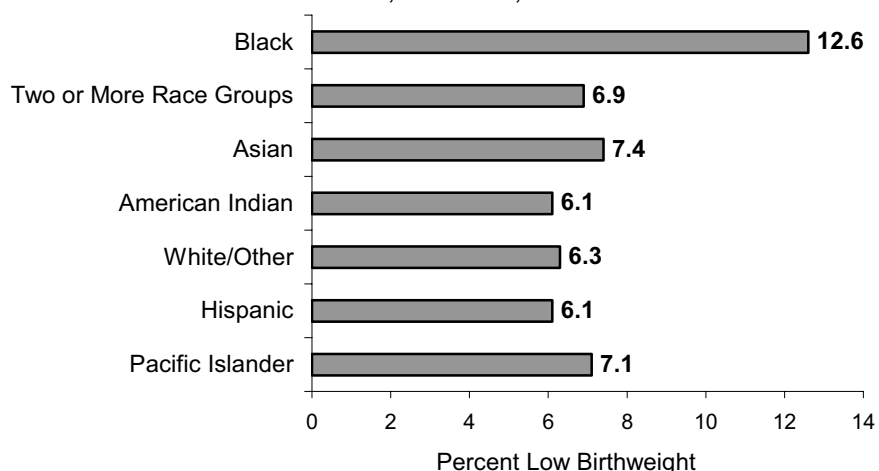
Figure 2-3. Percent of Low Birthweight Births By Year, California, 1994-2004



Black women had the highest percent (12.6) of low birthweight births in 2004. Asian mothers had 7.4 percent low birthweight births and Pacific Islander mothers were next with 7.1 percent (Table 2-6).

Women of Two or More Race groups accounted for 6.9 percent of low birthweight births. White/Other women had 6.3 percent low birthweight births, while American Indian and Hispanic women both had 6.1 percent.

Figure 2-4. Percent Low Birthweight by Race/Ethnicity of Mother, California, 2004



## Premature Births

In 2004 there were 55,738 premature births (less than 37 weeks of gestation), 10.9 percent of all births (excluding births with unknown gestation) (Table 2-6). The percentage of premature births has risen 9.0 percent since 1990 (Table 1-6). Of the 2004 premature births, 21,630 or 38.8 percent were low birthweight (under 2,500 grams or 5.5 pounds) (Table 2-8). Of the very low birthweight infants (less than 1,500 grams or 3.3 pounds) with stated weeks of gestation, 82.8 percent were premature.

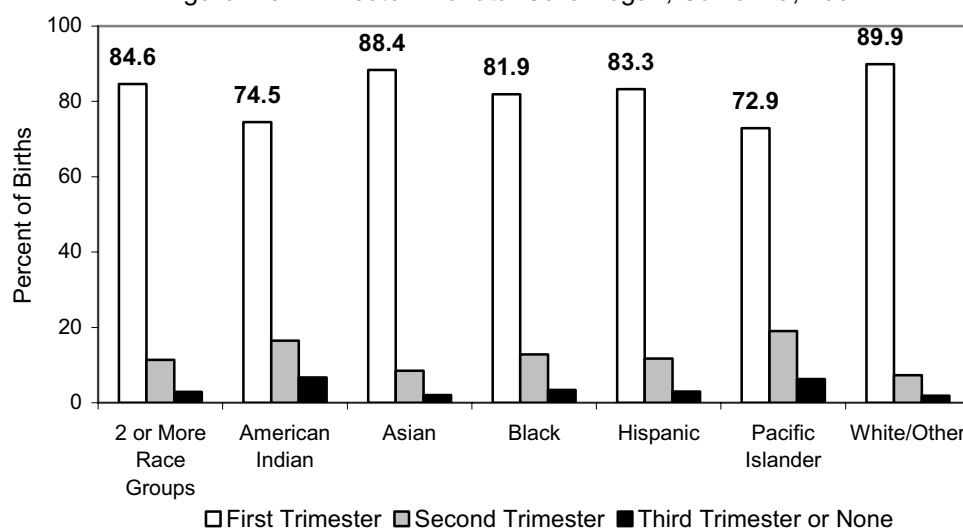
## Prenatal Care

In 2004, 85.6 percent of women began prenatal care in the first trimester of pregnancy (excluding births with unknown prenatal care). The percentages of women who began prenatal care in the second and third trimesters were 10.1 and 2.0 percent, respectively. Women received no prenatal care for 3,274 births, 0.6 percent of all births (Table 2-11). Of these births with no prenatal care, 18.8 percent were low birthweight babies (Table 2-13). The percentage of women receiving late or no prenatal care has dropped 62.9 percent since 1990 (Table 1-6).

By age group, first trimester prenatal care ranged from 48.7 percent for women under 15 years to 90.0 percent for women 30-34 (Table 2-11).

By race/ethnic groups, first trimester prenatal care ranged from 72.9 percent for Pacific Islander women to 89.9 percent for White/Other women (Table 2-11).

Figure 2-5. Trimester Prenatal Care Began, California, 2004





## Cesarean Deliveries

Cesarean deliveries accounted for 29.3 percent of all births in 2004, its highest level since 1990. The percent of cesarean deliveries decreased between 1991 and 1996 but has increased 42.2 percent since then (Table 1-6).

Mothers in the age group of 45 and over had the largest percentage of cesarean deliveries (58.5 percent), while mothers in the age group of under 15 had the lowest percentage (16.4 percent) (Table 2-16). In the 51 counties where at least five cesarean deliveries occurred, the percentage of these births ranged from 17.9 percent in Yolo County to 36.2 percent in Imperial County (Table 2-25).

## Multiple Births

In 2004 there were 528,143 single live births, 97.0 percent of all births to California residents. There were 15,737 twin births, 2.9 percent of all births, and there were 744 triplet births, 0.1 percent. The percentage of twin births increased slightly from 2003 (2.8 percent), the percentage of single and triplet births were unchanged (Table 2-14).

## Teenage Parents

In 2004 there were 50,433 births to women under the age of 20 (Tables 2-1 and 2-4). In 2004, 9.3 percent of all births were to women under the age of 20 which was unchanged from 2003. Blacks had the highest percentage of teen births (13.7 percent) while Asians had the lowest (2.4 percent).

Among 56 counties for which a percentage was calculated, the percent of mothers under 20 years of age ranged from 3.0 percent in Marin County to 16.4 percent in Tehama County (Table 2-28).

In 2004 there were 17,507 births to fathers under the age of 20 (Table 2-32). This number was 3.2 percent of 2004 births, compared with 3.4 percent in 2003. Among the 52 counties for which a percentage was calculated, the percent of fathers under 20 years of age ranged from 0.7 percent in Marin County to 6.7 percent in Imperial County (Table 2-28).

## Education of Parents

In 2004, 71.9 percent of mothers and 72.5 percent of fathers had completed 12 or more years of education (Table 2-28). The percentage of mothers completing 12 or more years of education was unchanged from 2003, but fathers had decreased slightly from 72.8 percent.

Among the 58 counties, the percent of births to mothers completing 12 or more years of education ranged from 54.5 percent in Monterey County to 100.0 percent in Sierra County. The percent of fathers completing 12 years or more of education ranged from 51.4 percent in Colusa County to 100.0 percent in Alpine County (Table 2-28).

## Marital Status

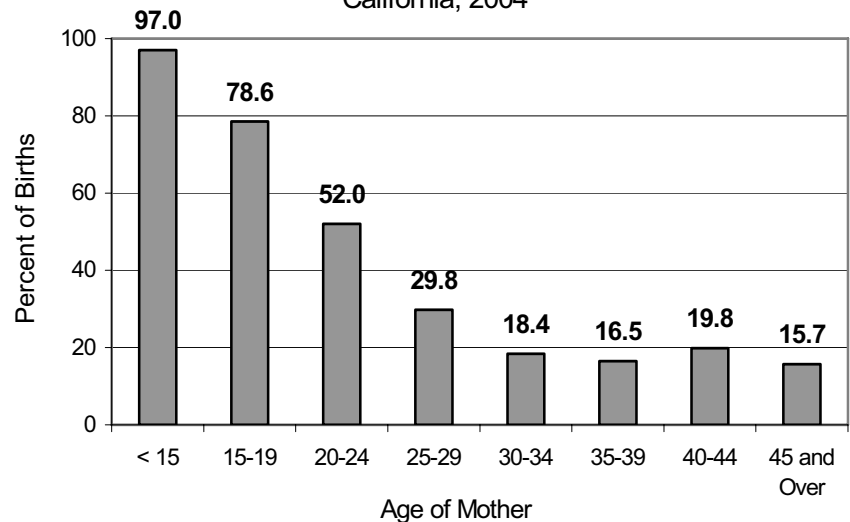
In 2004, 34.4 percent of all live births were to unmarried women, up from 33.5 percent in 2003 and up from 31.4 percent in 1990 (Table 1-6). Among the 58 counties, the percentages of births to unmarried women ranged from 10.0 percent in Mono County to 45.9 percent in Madera County (Table 2-28).



The percent of non-marital births from total births in the age group was highest among teen mothers and decreased with increasing mother's age, with the exception of 40-44 year old mothers (Table 2-4 and 2-5).

Among teenagers, 97.0 percent of births to women under 15 and 78.6 percent of births to women 15-19 were non-marital. Slightly more than half (52.0 percent) of births to 20-24 year old mothers were non-marital, and 29.8 percent of births to 25-29 year old mothers were non-marital. Fewer than 20 percent of births within each of the age groups from 30-34 through 45 and over were non-marital.

Figure 2-6. Percent of Non-Marital Births By Age, California, 2004



Among race/ethnic groups, the lowest percentage of non-marital births (excluding unknowns) was for Asian mothers at 12.2 percent. From lowest to highest the remaining race/ethnic groups were White (20.2 percent), Pacific Islander (32.2 percent), Two or More Race Groups (41.4 percent), Hispanic (44.5 percent), American Indian (54.9 percent), and Black (63.7 percent) (Tables 2-5 and 2-7).

## Baby Names

The most popular baby names in California in 2004 are given in Table 2-17.

Figure 2-7. Most Popular Baby Names

GIRLS			BOYS		
NAME	2004 NUMBER	2003 RANK	NAME	2004 NUMBER	2003 RANK
1 EMILY	3,388	1	1 DANIEL	4,157	1
2 ASHLEY	2,922	2	2 ANTHONY	3,797	2
3 SAMANTHA	2,474	3	3 ANDREW	3,464	3
4 ISABELLA	2,435	4	4 JOSE	3,379	4
5 NATALIE	1,942	7	5 JACOB	3,327	5
6 ALYSSA	1,808	5	6 JOSHUA	3,292	8
7 EMMA	1,740	6	7 DAVID	3,246	6
8 SOPHIA	1,715	13	8 ANGEL	3,232	7
9 JESSICA	1,700	8	9 MATTHEW	2,853	10
10 JASMINE	1,666	11	10 MICHAEL	2,844	9

GUIDE TO BIRTH TABLES IN VITAL STATISTICS OF CALIFORNIA, 2004																			
TABLE	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8	2-9	2-10	2-11	2-12	2-13	2-14	2-15	2-16	2-17	2-18	2-19
PAGE	38	39	40	41	42	43	44	45	46	47	48	50	52	53	54	55	56	57	58
GEOGRAPHIC AREA																			
TYPES OF ANALYSIS																			

GUIDE TO BIRTH TABLES IN VITAL STATISTICS OF CALIFORNIA, 2004 - Continued																				
TABLE	2-20	2-21	2-22	2-23	2-24	2-25	2-26	2-27	2-28	2-29	2-30	2-31	2-32	2-33	2-34	2-35	2-36	2-37	2-38	
PAGE	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	76	77	78	
GEOGRAPHIC AREA																				
California																				
California Counties																				
Selected City Health Depts.																				
TYPES OF ANALYSIS																				
Birth Rates																				
Fertility Rates																				
Multiple Years																				
Percentage Distribution																				
VARIABLES																				
Age of Father																				
Age of Mother																				
Birth Place of Mother																				
Birthweight																				
Education of Father																				
Education of Mother																				
Length of Gestation																				
Marital Status																				
Method of Delivery																				
Month of Birth																				
Most Popular Baby Names																				
Parity (Birth Order)																				
Place of Delivery																				
Plurality of Delivery																				
Prenatal Care																				
Race of Mother																				
Race/Ethnic Group of Mother																				
Sex of Child																				

TABLE 2-1. NUMBER OF LIVE BIRTHS BY AGE OF MOTHER, CALIFORNIA, 1960-2004 (By Place of Residence)

YEAR	TOTAL	BIRTHS BY AGE OF MOTHER								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	UNKNOWN
2004	544,685	696	49,737	124,309	141,608	134,578	74,580	17,926	1,201	50
2003	540,827	710	49,330	123,815	140,556	134,809	72,662	17,692	1,216	37
2002	529,245	743	50,201	123,056	137,237	130,368	69,873	16,553	1,176	38
2001	527,371	810	52,966	123,227	136,439	127,946	68,829	16,037	1,078	39
<b>2000</b>	<b>531,285</b>	<b>895</b>	<b>55,373</b>	<b>122,591</b>	<b>139,615</b>	<b>127,502</b>	<b>68,685</b>	<b>15,614</b>	<b>957</b>	<b>53</b>
1999	518,073	1,038	56,577	120,270	137,637	121,779	65,532	14,272	904	64
1998	521,265	1,066	58,141	121,317	140,369	121,326	64,210	14,010	777	49
1997	524,174	1,256	59,851	122,924	141,195	121,938	62,674	13,506	766	64
1996	538,628	1,485	63,118	127,431	145,795	125,030	61,836	13,158	685	90
<b>1995</b>	<b>551,226</b>	<b>1,640</b>	<b>66,644</b>	<b>132,607</b>	<b>148,585</b>	<b>127,853</b>	<b>60,577</b>	<b>12,573</b>	<b>679</b>	<b>68</b>
1994	567,034	1,687	68,198	140,172	154,705	129,926	59,550	12,054	668	74
1993	584,483	1,572	68,519	149,047	163,262	131,438	58,505	11,458	572	110
1992	600,838	1,595	69,272	155,065	171,278	133,205	58,660	11,077	535	151
1991	609,228	1,469	70,322	158,779	177,516	133,192	56,654	10,653	472	171
<b>1990</b>	<b>611,666</b>	<b>1,390</b>	<b>69,560</b>	<b>159,405</b>	<b>182,923</b>	<b>133,423</b>	<b>54,471</b>	<b>9,748</b>	<b>447</b>	<b>299</b>
1989	569,308	1,332	63,603	147,737	174,700	123,080	49,370	8,588	339	559
1988	532,708	1,088	57,806	139,238	166,288	115,515	44,864	7,434	330	145
1987	503,376	983	53,586	135,924	158,120	107,459	40,294	6,527	323	160
1986	481,905	901	51,817	135,304	152,386	98,756	36,822	5,410	296	213
<b>1985</b>	<b>470,816</b>	<b>890</b>	<b>50,365</b>	<b>136,985</b>	<b>149,523</b>	<b>94,067</b>	<b>33,578</b>	<b>4,953</b>	<b>240</b>	<b>215</b>
1984	447,394	927	49,130	134,540	141,813	86,243	29,728	4,530	256	227
1983	435,722	853	50,391	134,387	137,197	81,288	27,110	4,103	215	178
1982	429,631	851	53,170	136,388	134,830	76,090	24,205	3,734	220	143
1981	420,418	876	55,004	137,056	129,334	73,234	20,977	3,587	191	159
<b>1980</b>	<b>402,720</b>	<b>765</b>	<b>54,756</b>	<b>133,504</b>	<b>122,979</b>	<b>67,815</b>	<b>19,276</b>	<b>3,226</b>	<b>164</b>	<b>235</b>
1979	379,187	806	53,925	126,554	115,190	61,916	17,430	3,008	179	179
1978	356,156	794	52,774	120,378	108,141	55,614	15,430	2,715	137	173
1977	347,576	868	52,957	119,103	106,147	51,249	14,297	2,749	151	55
1976	332,105	846	52,854	113,994	102,354	45,552	13,677	2,597	180	51
<b>1975</b>	<b>317,318</b>	<b>869</b>	<b>52,528</b>	<b>109,563</b>	<b>97,025</b>	<b>41,771</b>	<b>12,592</b>	<b>2,756</b>	<b>174</b>	<b>40</b>
1974	311,668	824	51,929	109,149	94,075	40,249	12,567	2,672	158	45
1973	297,834	740	50,907	105,361	88,232	37,383	12,147	2,831	196	37
1972	306,375	820	52,329	110,639	88,679	37,600	12,876	3,214	178	40
1971	329,826	750	53,715	125,177	91,849	39,460	14,741	3,866	222	46
<b>1970</b>	<b>362,652</b>	<b>744</b>	<b>61,013</b>	<b>137,283</b>	<b>99,022</b>	<b>43,005</b>	<b>16,916</b>	<b>4,369</b>	<b>254</b>	<b>46</b>
1969	352,937	681	58,753	133,409	95,621	41,847	17,569	4,731	282	44
1968	339,221	674	57,722	128,586	88,215	40,450	18,134	5,093	310	37
1967	336,584	635	58,608	126,597	83,140	41,664	19,841	5,729	335	35
1966	337,623	572	59,517	122,823	83,010	43,441	21,702	6,194	341	23
<b>1965</b>	<b>355,074</b>	<b>531</b>	<b>57,700</b>	<b>128,304</b>	<b>88,199</b>	<b>48,446</b>	<b>24,529</b>	<b>6,965</b>	<b>369</b>	<b>31</b>
1964	374,587	525	57,248	137,151	93,823	52,256	26,171	7,056	326	31
1963	380,505	509	57,068	139,040	95,284	53,837	27,281	7,121	328	37
1962	378,347	536	57,631	134,639	94,653	54,619	28,689	7,238	322	20
1961	381,198	487	57,040	132,238	96,532	57,559	29,771	7,204	341	26
<b>1960</b>	<b>371,799</b>	<b>443</b>	<b>54,010</b>	<b>128,313</b>	<b>94,704</b>	<b>57,569</b>	<b>29,540</b>	<b>6,865</b>	<b>338</b>	<b>17</b>

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-2. GENERAL FERTILITY RATES, TOTAL FERTILITY RATES, AND BIRTH RATES BY AGE AND RACE/ETHNIC GROUP<sup>1</sup>  
OF MOTHER, CALIFORNIA, 2000 - 2004 (By Place of Residence)

(General fertility rates are live births per 1,000 women of childbearing age (15-44 years). Total fertility rate is the sum of birth rates for 5-year age groups (age 15 to 44) multiplied by 5. Birth rates are live births per 1,000 female population in specified age group.)

YEAR	GENERAL FERTILITY RATE	TOTAL FERTILITY RATE	BIRTH RATE BY AGE OF MOTHER							
			UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER
TOTAL										
2004	69.3	2,127.5	0.5	38.1	100.9	118.4	100.9	54.6	12.6	0.9
2003	69.5	2,127.7	0.5	38.9	103.1	117.9	100.0	53.1	12.6	0.9
2002	68.4	2,088.0	0.6	40.6	104.6	113.4	96.3	50.8	11.9	0.9
2001	68.7	2,092.7	0.6	43.7	106.3	111.7	95.4	49.8	11.8	0.9
2000	70.0	2,129.7	0.7	46.7	107.3	113.4	97.2	49.7	11.7	0.8
HISPANIC										
2004	88.6	2,578.0	0.8	64.3	148.0	137.9	99.5	52.5	13.4	0.7
2003	89.6	2,589.0	0.9	65.2	148.9	138.4	99.8	51.9	13.5	0.9
2002	90.4	2,598.1	0.9	68.5	150.4	137.1	98.3	51.7	13.5	1.0
2001	93.0	2,661.7	1.1	73.8	153.7	138.9	99.6	52.6	13.7	0.9
2000	95.9	2,731.1	1.3	78.0	155.6	142.9	103.1	52.5	14.0	0.8
NON-HISPANIC										
2 OR MORE RACE GROUPS										
2004	46.8	1,433.5	0.3	22.8	59.4	76.6	72.5	44.6	10.8	0.7
2003	47.6	1,453.0	0.4	23.2	62.5	75.0	74.6	43.3	11.9	1.1
2002	46.7	1,419.5	0.3	25.1	64.6	73.5	70.7	40.3	9.6	0.7
2001	44.9	1,353.4	0.3	27.4	65.4	67.1	64.9	37.3	8.6	0.5
2000	44.9	1,353.2	0.4	28.6	67.9	66.9	63.8	35.5	7.9	0.6
AMERICAN INDIAN										
2004	32.7	1,028.5	a	20.9	62.3	61.6	36.4	20.2	4.3	a
2003	33.9	1,071.6	0.5	23.4	64.0	63.9	40.2	19.0	3.7	a
2002	35.7	1,134.4	a	28.5	71.6	63.6	41.3	17.6	4.4	-
2001	39.1	1,246.7	a	32.4	81.1	67.2	45.1	18.5	5.0	a
2000	43.6	1,393.4	a	41.8	90.0	75.3	47.2	20.3	4.1	a
ASIAN										
2004	66.0	1,936.0	0.2	11.3	44.1	110.0	135.8	71.0	15.0	1.1
2003	67.0	1,963.6	0.2	12.8	46.8	115.4	133.7	69.0	15.0	0.9
2002	62.7	1,814.5	0.1	13.4	46.2	103.2	121.7	64.8	13.7	1.0
2001	60.3	1,746.1	0.2	14.6	45.7	100.7	114.7	60.2	13.3	0.9
2000	62.6	1,816.5	0.1	15.7	47.9	102.7	120.6	63.1	13.3	1.0
BLACK										
2004	51.6	1,629.0	0.6	37.3	94.3	91.4	61.5	33.1	8.2	0.5
2003	53.1	1,677.7	0.6	39.2	99.9	91.7	62.7	33.9	8.2	0.6
2002	55.5	1,755.4	0.9	42.0	109.0	94.0	65.0	32.0	9.1	0.5
2001	58.7	1,852.2	1.1	49.3	117.3	95.2	65.8	34.4	8.5	0.6
2000	62.4	1,965.8	1.0	57.9	125.2	98.9	68.1	35.0	8.2	0.3
PACIFIC ISLANDER										
2004	78.5	2,370.5	a	33.7	128.7	135.6	102.8	58.9	14.4	1.2
2003	77.2	2,324.4	a	32.4	136.0	127.6	100.2	54.2	14.5	a
2002	78.1	2,329.6	a	33.2	126.6	140.2	98.5	53.6	13.8	a
2001	78.0	2,306.4	a	35.9	123.0	135.2	94.4	56.6	16.1	a
2000	82.7	2,436.7	a	41.1	133.9	136.6	105.5	54.2	16.1	a
WHITE/OTHER/UNKNOWN										
2004	55.5	1,779.0	0.2	16.7	67.1	103.9	99.6	56.2	12.3	1.0
2003	55.0	1,754.9	0.1	17.9	69.4	100.2	97.8	53.6	12.1	1.0
2002	53.3	1,690.8	0.1	18.8	71.1	93.8	93.2	50.1	11.2	1.0
2001	52.7	1,664.0	0.1	20.3	71.7	89.6	92.1	48.2	10.9	0.9
2000	53.1	1,670.0	0.2	22.4	71.5	90.5	91.5	47.3	10.8	0.8

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes Refused to State). See Chapter 6.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

a Rates are not calculated for fewer than five events.

Source: State of California, Department of Health Services, Birth Records.

State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004. See Chapter 6 for all population estimates used in this report.

TABLE 2-3. PERCENTAGE DISTRIBUTION OF LIVE BIRTHS BY AGE OF MOTHER, CALIFORNIA, 1960, 1965, 1970, 1975, 1980, 1985, 1990-2004 (By Place of Residence)

YEAR	PERCENTAGE BY AGE OF MOTHER									
	TOTAL	UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	UNKNOWN
2004	100.0	0.13	9.1	22.8	26.0	24.7	13.7	3.3	0.22	0.01
2003	100.0	0.13	9.1	22.9	26.0	24.9	13.4	3.3	0.22	0.01
2002	100.0	0.14	9.5	23.3	25.9	24.6	13.2	3.1	0.22	0.01
2001	100.0	0.15	10.0	23.4	25.9	24.3	13.1	3.0	0.20	0.01
<b>2000</b>	<b>100.0</b>	<b>0.17</b>	<b>10.4</b>	<b>23.1</b>	<b>26.3</b>	<b>24.0</b>	<b>12.9</b>	<b>2.9</b>	<b>0.18</b>	0.01
1999	100.0	0.20	10.9	23.2	26.6	23.5	12.6	2.8	0.17	0.01
1998	100.0	0.20	11.2	23.3	26.9	23.3	12.3	2.7	0.15	0.01
1997	100.0	0.24	11.4	23.5	26.9	23.3	12.0	2.6	0.15	0.01
1996	100.0	0.28	11.7	23.7	27.1	23.2	11.5	2.4	0.13	0.02
<b>1995</b>	<b>100.0</b>	<b>0.30</b>	<b>12.1</b>	<b>24.1</b>	<b>27.0</b>	<b>23.2</b>	<b>11.0</b>	<b>2.3</b>	<b>0.12</b>	0.01
1994	100.0	0.30	12.0	24.7	27.3	22.9	10.5	2.1	0.12	0.01
1993	100.0	0.27	11.7	25.5	27.9	22.5	10.0	2.0	0.10	0.02
1992	100.0	0.27	11.5	25.8	28.5	22.2	9.8	1.8	0.09	0.03
1991	100.0	0.24	11.5	26.1	29.1	21.9	9.3	1.7	0.08	0.03
<b>1990</b>	<b>100.0</b>	<b>0.23</b>	<b>11.4</b>	<b>26.1</b>	<b>29.9</b>	<b>21.8</b>	<b>8.9</b>	<b>1.6</b>	<b>0.07</b>	0.05
<b>1985</b>	<b>100.0</b>	<b>0.19</b>	<b>10.7</b>	<b>29.1</b>	<b>31.8</b>	<b>20.0</b>	<b>7.1</b>	<b>1.1</b>	<b>0.05</b>	0.05
<b>1980</b>	<b>100.0</b>	<b>0.19</b>	<b>13.6</b>	<b>33.2</b>	<b>30.5</b>	<b>16.8</b>	<b>4.8</b>	<b>0.8</b>	<b>0.04</b>	0.06
<b>1975</b>	<b>100.0</b>	<b>0.27</b>	<b>16.6</b>	<b>34.5</b>	<b>30.6</b>	<b>13.2</b>	<b>4.0</b>	<b>0.9</b>	<b>0.05</b>	0.01
<b>1970</b>	<b>100.0</b>	<b>0.21</b>	<b>16.8</b>	<b>37.9</b>	<b>27.3</b>	<b>11.9</b>	<b>4.7</b>	<b>1.2</b>	<b>0.07</b>	0.01
<b>1965</b>	<b>100.0</b>	<b>0.15</b>	<b>16.3</b>	<b>36.1</b>	<b>24.8</b>	<b>13.6</b>	<b>6.9</b>	<b>2.0</b>	<b>0.10</b>	0.01
<b>1960</b>	<b>100.0</b>	<b>0.12</b>	<b>14.5</b>	<b>34.5</b>	<b>25.5</b>	<b>15.5</b>	<b>7.9</b>	<b>1.8</b>	<b>0.09</b>	a

a Less than 0.005.

Note: Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-4. NUMBER OF LIVE BIRTHS BY AGE AND RACE/ETHNIC GROUP<sup>1</sup> OF MOTHER, CALIFORNIA, 2000-2004  
(By Place of Residence)

YEAR	TOTAL	AGE OF MOTHER								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	UNKNOWN
TOTAL										
2004	544,685	696	49,737	124,309	141,608	134,578	74,580	17,926	1,201	50
2003	540,827	710	49,330	123,815	140,556	134,809	72,662	17,692	1,216	37
2002	529,245	743	50,201	123,056	137,237	130,368	69,873	16,553	1,176	38
2001	527,371	810	52,966	123,227	136,439	127,946	68,829	16,037	1,078	39
2000	531,285	895	55,373	122,591	139,615	127,502	68,685	15,614	957	53
HISPANIC										
2004	275,188	529	35,315	77,917	74,304	54,704	26,282	5,871	259	7
2003	269,691	534	34,252	76,729	73,552	53,469	25,192	5,655	302	6
2002	263,023	550	34,613	75,441	71,734	50,842	24,161	5,366	302	14
2001	260,996	596	36,051	75,116	70,937	49,397	23,501	5,127	260	11
2000	257,958	686	36,892	73,762	70,608	48,503	22,305	4,961	228	13
NON-HISPANIC										
2 OR MORE RACE GROUPS										
2004	7,162	11	821	1,827	1,798	1,572	896	224	13	-
2003	7,112	17	808	1,836	1,698	1,617	869	247	20	-
2002	6,813	10	847	1,800	1,619	1,511	815	198	13	-
2001	6,388	13	898	1,726	1,449	1,355	765	174	8	-
2000	6,254	13	914	1,685	1,444	1,296	737	156	9	-
AMERICAN INDIAN										
2004	2,073	2	245	663	555	345	209	53	1	-
2003	2,004	6	250	618	532	364	189	43	2	-
2002	1,966	3	276	625	493	354	168	47	-	-
2001	1,986	3	283	633	488	360	169	49	1	-
2000	1,975	4	316	606	501	338	171	36	2	1
ASIAN										
2004	62,122	19	1,500	6,310	15,802	23,373	12,271	2,661	184	2
2003	61,525	24	1,644	6,459	16,333	22,679	11,643	2,589	154	-
2002	59,376	18	1,754	6,526	15,991	21,387	11,175	2,355	168	2
2001	57,443	20	1,948	6,445	16,300	19,928	10,384	2,268	150	-
2000	58,876	18	2,090	6,678	16,828	20,191	10,703	2,216	149	3
BLACK										
2004	28,679	68	3,872	8,117	7,135	5,398	3,192	847	48	2
2003	29,211	66	3,890	8,344	7,053	5,637	3,325	838	57	1
2002	29,807	95	3,913	8,708	7,148	5,845	3,145	907	44	2
2001	30,965	114	4,354	9,059	7,257	5,901	3,408	823	45	4
2000	32,302	96	4,841	9,420	7,655	6,036	3,462	765	23	4
PACIFIC ISLANDER										
2004	2,543	1	179	677	709	567	325	80	5	-
2003	2,409	2	165	702	630	541	290	76	3	-
2002	2,411	3	165	662	690	538	283	69	1	-
2001	2,355	2	177	629	670	503	296	75	3	-
2000	2,376	3	196	650	660	524	274	68	1	-
WHITE										
2004	158,992	61	7,340	27,416	39,333	46,531	29,973	7,758	580	-
2003	162,920	58	7,947	28,135	39,378	48,794	30,067	7,928	609	4
2002	161,470	58	8,375	28,482	38,610	48,661	29,347	7,345	587	5
2001	163,777	59	8,989	29,038	38,577	49,560	29,660	7,319	567	8
2000	168,233	73	9,871	29,203	41,178	49,750	30,407	7,234	508	9
OTHER										
2004	187	-	14	40	47	42	37	7	-	-
2003	206	1	12	49	61	55	20	8	-	-
2002	193	-	12	59	44	43	26	9	-	-
2001	219	-	17	53	65	45	30	9	-	-
2000	173	-	16	50	41	36	24	4	2	-
UNKNOWN										
2004	7,739	5	451	1,342	1,925	2,046	1,395	425	111	39
2003	5,749	2	362	943	1,319	1,653	1,067	308	69	26
2002	4,186	6	246	753	908	1,187	753	257	61	15
2001	3,242	3	249	528	696	897	616	193	44	16
2000	3,138	2	237	537	700	828	602	174	35	23

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (Includes refused to state). See Chapter 6.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-5. NUMBER OF LIVE BIRTHS TO UNMARRIED WOMEN BY AGE AND RACE/ETHNIC GROUP<sup>1</sup> OF MOTHER,  
CALIFORNIA, 2000-2004 (By Place of Residence)

YEAR	TOTAL	AGE OF MOTHER								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	UNKNOWN
TOTAL										
2004	187,415	675	39,080	64,622	42,200	24,787	12,306	3,544	189	12
2003	181,146	684	38,255	62,612	40,491	23,572	11,874	3,443	206	9
2002	174,637	719	38,130	60,808	38,271	22,113	11,269	3,127	187	13
2001	172,624	773	39,882	59,464	36,464	21,623	11,194	3,021	185	18
2000	173,799	863	42,209	58,756	36,818	21,197	10,918	2,881	129	28
HISPANIC										
2004	122,493	513	27,456	41,844	27,829	16,092	6,944	1,739	75	1
2003	116,417	511	26,294	40,047	26,616	14,672	6,563	1,632	80	2
2002	111,076	529	25,915	38,314	25,008	13,458	6,226	1,532	88	6
2001	108,439	569	26,588	37,101	23,618	12,977	5,992	1,509	78	7
2000	108,605	660	27,707	36,607	23,692	12,644	5,773	1,463	53	6
NON-HISPANIC										
2 OR MORE RACE GROUPS										
2004	2,965	11	716	1,146	595	292	163	41	1	-
2003	2,883	16	692	1,086	553	314	167	53	2	-
2002	2,754	10	718	1,021	527	295	153	30	-	-
2001	2,710	13	754	1,019	453	275	150	45	1	-
2000	2,590	13	768	960	416	260	135	37	1	-
AMERICAN INDIAN										
2004	1,139	2	207	427	256	142	82	23	-	-
2003	1,100	6	203	396	247	162	60	24	2	-
2002	1,015	3	219	379	223	117	55	19	-	-
2001	1,075	2	232	384	237	135	68	17	-	-
2000	1,042	4	266	355	214	126	64	13	-	-
ASIAN										
2004	7,579	17	1,067	2,357	1,739	1,396	735	246	21	1
2003	7,441	24	1,164	2,227	1,720	1,298	790	203	15	-
2002	7,076	17	1,195	2,270	1,576	1,176	638	186	18	-
2001	7,025	16	1,370	2,099	1,585	1,142	623	175	15	-
2000	6,952	15	1,430	2,070	1,545	1,098	606	177	9	2
BLACK										
2004	18,265	68	3,660	6,352	4,263	2,282	1,281	348	10	1
2003	18,344	66	3,631	6,418	4,047	2,467	1,347	346	21	1
2002	18,778	94	3,662	6,711	4,101	2,543	1,296	357	12	2
2001	19,436	111	4,048	6,880	4,103	2,534	1,404	339	14	3
2000	20,325	94	4,489	7,174	4,263	2,605	1,365	322	10	3
PACIFIC ISLANDER										
2004	820	1	128	297	227	99	51	17	-	-
2003	785	2	122	305	177	104	53	22	-	-
2002	707	3	125	284	167	69	48	10	1	-
2001	734	2	124	288	168	89	50	12	1	-
2000	743	3	139	281	158	95	53	14	-	-
WHITE										
2004	32,037	59	5,476	11,492	6,829	4,201	2,861	1,060	59	-
2003	32,615	56	5,859	11,633	6,784	4,337	2,748	1,119	78	1
2002	32,057	57	6,093	11,416	6,449	4,286	2,753	945	57	1
2001	32,264	58	6,558	11,411	6,117	4,345	2,816	888	67	4
2000	32,745	72	7,236	11,029	6,393	4,272	2,855	835	52	1
OTHER										
2004	70	-	13	23	15	9	7	3	-	-
2003	76	1	8	24	22	16	4	1	-	-
2002	87	-	11	36	13	14	8	5	-	-
2001	99	-	17	39	17	11	11	4	-	-
2000	72	-	11	29	17	9	6	-	-	-
UNKNOWN										
2004	2,047	4	357	684	447	274	182	67	23	9
2003	1,485	2	282	476	325	202	142	43	8	5
2002	1,087	6	192	377	207	155	92	43	11	4
2001	842	2	191	243	166	115	80	32	9	4
2000	725	2	163	251	120	88	61	20	4	16

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic, and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). See Chapter 6.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Birth Records.



TABLE 2-6. NUMBER AND PERCENT OF LIVE BIRTHS WITH SELECTED MEDICAL CHARACTERISTICS BY RACE/ETHNIC GROUP<sup>1</sup> OF MOTHER, CALIFORNIA, 2004 (By Place of Residence)

RACE/ETHNIC GROUP OF MOTHER	Live Births	Late or No Prenatal Care <sup>2†</sup>	Preterm Birth <sup>3†</sup>	Cesarean Deliveries	Low Birthweight <sup>4</sup>
TOTAL	544,685	14,123	55,738	159,413	36,481
HISPANIC	275,188	8,258	28,495	78,580	16,797
NON-HISPANIC					
2 OR MORE RACE GROUPS	7,162	211	741	2,002	496
AMERICAN INDIAN	2,073	138	248	615	127
ASIAN	62,122	1,221	5,883	17,916	4,566
BLACK	28,679	978	4,130	9,677	3,622
PACIFIC ISLANDER	2,543	161	330	737	180
WHITE/OTHER RACE	159,179	2,967	15,102	47,639	10,046
UNKNOWN	7,739	189	809	2,247	647
<b>MEDICAL CHARACTERISTICS AS A PERCENT OF TOTAL LIVE BIRTHS TO A SPECIFIED GROUP:</b>					
TOTAL	100.0	2.6	10.9	29.3	6.7
HISPANIC	100.0	3.1	11.1	28.6	6.1
NON-HISPANIC					
2 OR MORE RACE GROUPS	100.0	3.0	11.1	28.0	6.9
AMERICAN INDIAN	100.0	6.8	13.2	29.7	6.1
ASIAN	100.0	2.0	10.0	28.8	7.4
BLACK	100.0	3.5	15.6	33.7	12.6
PACIFIC ISLANDER	100.0	6.4	13.9	29.0	7.1
WHITE/OTHER RACE	100.0	1.9	10.0	29.9	6.3
UNKNOWN	100.0	2.7	11.9	29.0	8.4

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes Refused to State). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>2</sup> Third trimester or no prenatal care.

<sup>3</sup> Birth prior to 37 weeks of gestation.

<sup>4</sup> Birthweight of less than 2,500 grams (5.5 pounds).

<sup>†</sup> Births with unknown values were subtracted from total births before percentages were calculated. Not Reported weeks of gestation include gestation reported as: under 17 weeks, over 53 weeks, and not reported.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-7. NUMBER AND PERCENT OF LIVE BIRTHS WITH SELECTED DEMOGRAPHIC CHARACTERISTICS BY RACE/ETHNIC GROUP<sup>1</sup>  
OF MOTHER, CALIFORNIA, 2004 (By Place of Residence)

RACE/ETHNIC GROUP	Live Births	Mothers Under 20 Years of Age	Mothers Completing 12 Years or More of School	Mothers Born in the United States	Unmarried Mothers	At Least 4 Live Births <sup>2</sup>	Fathers Under 20 Years of Age	Fathers Completing 12 Years or More of School
TOTAL	544,685	50,433	380,627	289,478	187,415	65,374	17,507	355,175
HISPANIC	275,188	35,844	142,381	101,408	122,493	41,692	12,545	127,946
NON-HISPANIC	7,162	832	6,222	6,134	2,965	659	314	5,846
2 OR MORE RACE GROUPS	2,073	247	1,533	2,028	1,139	411	93	1,384
AMERICAN INDIAN	62,122	1,519	57,006	8,577	7,579	3,365	556	56,152
ASIAN	28,679	3,940	23,572	26,137	18,265	4,899	1,388	20,155
BLACK	2,543	180	2,198	1,203	820	566	75	2,053
PACIFIC ISLANDER	159,179	7,415	146,769	139,700	32,107	13,014	2,385	140,738
WHITE/OTHER RACE	7,739	456	946	4,291	2,047	768	151	901
UNKNOWN								
<b>DEMOGRAPHIC CHARACTERISTICS AS A PERCENT<sup>†</sup> OF TOTAL LIVE BIRTHS TO SPECIFIED GROUP:</b>								
TOTAL	100.0	9.3	71.9	53.2	34.4	12.0	3.5	72.5
HISPANIC	100.0	13.0	52.7	36.9	44.5	15.2	5.0	51.8
NON-HISPANIC								
2 OR MORE RACE GROUPS	100.0	11.6	88.2	85.8	41.4	9.2	4.9	91.6
AMERICAN INDIAN	100.0	11.9	75.9	97.9	54.9	19.8	5.3	81.1
ASIAN	100.0	2.4	92.9	13.8	12.2	5.4	0.9	94.1
BLACK	100.0	13.7	84.0	91.4	63.7	17.1	6.1	88.9
PACIFIC ISLANDER	100.0	7.1	88.1	47.8	32.2	22.3	3.2	89.9
WHITE/OTHER RACE	100.0	4.7	93.5	87.9	20.2	8.2	1.6	94.4
UNKNOWN	100.0	5.9	85.8	56.5	26.6	10.1	2.1	88.0

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). See Chapter 6.

<sup>2</sup> These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>†</sup> Number of mothers who have had at least 4 children and were 15 years old or older.

<sup>†</sup> Births with unknown values were subtracted from total births before percentages were calculated.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-8. LIVE BIRTHS BY BIRTHWEIGHT, WEEKS OF GESTATION, AND BY RACE/ETHNIC GROUP<sup>1</sup> OF MOTHER, CALIFORNIA, 2004 (By Place of Residence)

BIRTHWEIGHT AND WEEKS OF GESTATION	TOTAL	RACE/ETHNIC GROUP OF MOTHER								
		HISPANIC	NON-HISPANIC							
			2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER RACE	UNKNOWN
TOTAL LIVE BIRTHS	544,685	275,188	7,162	2,073	62,122	28,679	2,543	158,992	187	7,739
UNDER 1,500 GRAMS	6,440	3,046	100	24	673	790	36	1,629	6	136
17- UNDER 37 COMPLETED WEEKS	5,330	2,462	82	19	583	657	25	1,386	5	111
37- UNDER 42 COMPLETED WEEKS	314	169	4	2	24	30	2	78	-	5
42- UNDER 53 COMPLETED WEEKS	38	20	1	-	6	5	-	5	-	1
NOT REPORTED	758	395	13	3	60	98	9	160	1	19
1,500-2,499 GRAMS	30,041	13,751	396	103	3,893	2,832	144	8,394	17	511
17- UNDER 37 COMPLETED WEEKS	16,300	7,220	224	56	2,003	1,416	81	5,028	8	264
37- UNDER 42 COMPLETED WEEKS	10,643	4,997	124	30	1,597	1,080	54	2,600	6	155
42- UNDER 53 COMPLETED WEEKS	650	371	7	4	66	48	1	145	-	8
NOT REPORTED	2,448	1,163	41	13	227	288	8	621	3	84
2,500-3,499 GRAMS	301,716	153,525	4,090	1,082	40,819	17,114	1,207	79,560	103	4,216
17- UNDER 37 COMPLETED WEEKS	27,078	14,393	358	126	2,879	1,694	141	7,117	11	359
37- UNDER 42 COMPLETED WEEKS	236,736	118,530	3,128	782	33,850	13,035	906	63,301	82	3,122
42- UNDER 53 COMPLETED WEEKS	18,563	9,927	304	73	2,055	1,073	67	4,810	5	249
NOT REPORTED	19,339	10,675	300	101	2,035	1,312	93	4,332	5	486
3,500-4,499 GRAMS	199,078	101,190	2,473	808	16,365	7,710	1,068	66,657	56	2,751
17- UNDER 37 COMPLETED WEEKS	6,794	4,279	73	45	409	353	74	1,483	4	74
37- UNDER 42 COMPLETED WEEKS	163,430	81,328	2,015	621	13,993	6,107	837	56,357	44	2,128
42- UNDER 53 COMPLETED WEEKS	16,985	8,854	250	73	1,217	699	97	5,544	6	245
NOT REPORTED	11,869	6,729	135	69	746	551	60	3,273	2	304
4,500 GRAMS OR MORE	7,391	3,676	102	56	372	233	88	2,751	5	108
17- UNDER 37 COMPLETED WEEKS	235	141	3	2	9	10	9	60	-	1
37- UNDER 42 COMPLETED WEEKS	5,892	2,910	75	46	292	196	62	2,226	3	82
42- UNDER 53 COMPLETED WEEKS	810	382	13	4	40	11	10	335	1	14
NOT REPORTED	454	243	11	4	31	16	7	130	1	11
UNKNOWN	19	-	1	-	-	-	-	1	-	17
17- UNDER 37 COMPLETED WEEKS	1	-	1	-	-	-	-	-	-	-
37- UNDER 42 COMPLETED WEEKS	-	-	-	-	-	-	-	-	-	-
42- UNDER 53 COMPLETED WEEKS	-	-	-	-	-	-	-	-	-	-
NOT REPORTED	18	-	-	-	-	-	-	1	-	17

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not compatible with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Note: "Not Reported" as to weeks of gestation categories, includes 260 live births of less than 17 weeks gestation, 1,175 of 53 weeks or more gestation, and 33,451 where gestation days are unknown. These categories reflect reporting inaccuracies rather than actual gestation periods.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-9. NUMBER AND PERCENT OF LIVE BIRTHS BY NUMBER OF PRENATAL VISITS AND RACE/ETHNIC GROUP<sup>1</sup> OF MOTHER, CALIFORNIA, 2004  
(By Place of Residence)

RACE/ETHNIC GROUP OF MOTHER	TOTAL	NUMBER OF PRENATAL VISITS								
		NONE	1-4	5-8	9-12	13-16	17-20	21-29	30 AND OVER	UNKNOWN
NUMBER OF LIVE BIRTHS										
TOTAL	544,685	3,272	11,086	53,738	245,222	176,026	31,100	6,186	3,307	14,748
HISPANIC	275,188	1,689	6,358	29,187	123,106	87,663	13,820	2,581	1,260	9,524
NON-HISPANIC										
2 OR MORE RACE GROUPS	7,162	73	169	763	3,306	2,192	415	92	48	104
AMERICAN INDIAN	2,073	44	100	352	857	541	84	15	9	71
ASIAN	62,122	183	932	6,153	30,405	19,600	3,108	546	253	942
BLACK	28,679	341	940	3,043	11,962	8,782	1,901	443	241	1,026
PACIFIC ISLANDER	2,543	32	141	411	1,129	612	118	30	18	52
WHITE/OTHER RACE	159,179	827	2,325	13,112	70,721	54,780	11,218	2,384	1,409	2,403
UNKNOWN	7,739	83	121	717	3,736	1,856	436	95	69	626
PERCENT OF LIVE BIRTHS										
TOTAL	100.0	0.6	2.1	10.1	46.3	33.2	5.9	1.2	0.6	
HISPANIC	100.0	0.6	2.4	11.0	46.3	33.0	5.2	1.0	0.5	
NON-HISPANIC										
2 OR MORE RACE GROUPS	100.0	1.0	2.4	10.8	46.8	31.1	5.9	1.3	0.7	
AMERICAN INDIAN	100.0	2.2	5.0	17.6	42.8	27.0	4.2	0.7	0.4	
ASIAN	100.0	0.3	1.5	10.1	49.7	32.0	5.1	0.9	0.4	
BLACK	100.0	1.2	3.4	11.0	43.3	31.8	6.9	1.6	0.9	
PACIFIC ISLANDER	100.0	1.3	5.7	16.5	45.3	24.6	4.7	1.2	0.7	
WHITE/OTHER RACE	100.0	0.5	1.5	8.4	45.1	34.9	7.2	1.5	0.9	
UNKNOWN	100.0	1.2	1.7	10.1	52.5	26.1	6.1	1.3	1.0	

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). See Chapter 6.

Note: These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.  
Percents are rounded independently and may not add to totals.

Births with unknown values were subtracted from total births before percentages were calculated.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-10. LIVE BIRTHS BY NUMBER OF PRENATAL VISITS AND BY RACE<sup>1</sup> OF MOTHER, CALIFORNIA, 2004 (By Place of Residence)

RACE OF MOTHER	TOTAL	NUMBER OF PRENATAL VISITS								
		NONE	1-4	5-8	9-12	13-16	17-20	21-29	30 AND OVER	
TOTAL	544,685	3,272	11,086	53,738	245,222	176,026	31,100	6,186	3,307	14,748
2 OR MORE RACE GROUPS	10,199	118	258	1,134	4,635	3,095	570	128	70	191
AMERICAN INDIAN	2,494	58	114	417	1,037	646	101	20	12	89
BLACK	29,296	347	961	3,121	12,216	8,952	1,944	451	250	1,054
CAMBODIAN	1,672	14	68	254	746	476	58	17	2	37
CHINESE	13,282	12	97	869	6,747	4,612	540	83	48	274
ESKIMO/ALEUT	8	-	-	1	5	2	-	-	-	-
FILIPINO	14,976	69	248	1,762	7,457	4,313	735	143	70	179
GUAMANIAN	263	2	9	37	118	71	14	5	2	5
HAWAIIAN	248	2	10	23	122	69	8	5	4	5
HMONG	1,847	13	82	401	776	533	28	1	-	13
INDIAN (INDIA)	8,365	13	81	622	4,194	2,654	505	108	42	146
JAPANESE	2,643	6	20	186	1,176	935	226	37	20	37
KOREAN	5,250	14	76	352	2,297	2,028	370	41	22	50
LAOTIAN	1,028	6	41	171	492	263	22	7	2	24
SAMOAN	773	11	48	140	329	177	43	5	2	18
THAI	687	2	25	92	299	210	38	7	3	11
VIETNAMESE	8,818	24	117	1,065	4,469	2,548	383	65	28	119
WHITE	428,058	2,434	8,499	41,524	191,069	140,565	24,729	4,900	2,628	11,710
OTHER ASIAN	3,977	13	83	426	1,955	1,151	225	44	18	62
OTHER PACIFIC ISLANDER	1,327	17	76	215	599	313	54	16	12	25
OTHER RACES	1,716	14	52	207	737	552	71	8	3	72
UNKNOWN	7,758	83	121	719	3,747	1,861	436	95	69	627

- Represents zero events.

<sup>1</sup> The list of races on this table is compiled by identifying mothers reporting 2 or more race groups before selecting single races. Unknown includes refused to state. This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. Races on this table are irrespective of Hispanic origin. See Chapter 6.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-11. LIVE BIRTHS BY TRIMESTER PRENATAL CARE BEGAN AND BY RACE/ETHNIC GROUP<sup>1</sup> AND AGE OF MOTHER, CALIFORNIA, 2004  
(By Place of Residence)

RACE/ETHNIC GROUP AND TRIMESTER PRENATAL CARE BEGAN	TOTAL	AGE OF MOTHER									
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50 AND OVER
<b>TOTAL</b>	<b>544,685</b>	<b>696</b>	<b>16,263</b>	<b>33,474</b>	<b>124,309</b>	<b>141,608</b>	<b>134,578</b>	<b>74,580</b>	<b>17,926</b>	<b>1,090</b>	<b>111</b>
FIRST TRIMESTER	466,463	339	11,215	25,534	101,063	123,246	121,083	67,076	15,860	950	90
SECOND TRIMESTER	55,047	224	3,656	5,744	16,423	12,907	9,312	5,224	1,448	96	13
THIRD TRIMESTER	10,849	94	783	1,114	3,201	2,536	1,857	994	260	9	-
NO PRENATAL CARE	3,274	20	212	300	1,026	748	531	328	102	5	1
UNKNOWN	9,052	19	397	782	2,596	2,171	1,795	958	256	30	7
<b>HISPANIC</b>	<b>275,188</b>	<b>529</b>	<b>12,349</b>	<b>22,966</b>	<b>77,917</b>	<b>74,304</b>	<b>54,704</b>	<b>26,282</b>	<b>5,871</b>	<b>250</b>	<b>9</b>
FIRST TRIMESTER	229,275	275	8,760	17,708	63,552	63,536	47,653	22,649	4,937	195	6
SECOND TRIMESTER	32,265	164	2,594	3,768	9,998	7,526	4,898	2,580	693	41	3
THIRD TRIMESTER	6,568	67	545	751	2,040	1,560	994	490	114	6	-
NO PRENATAL CARE	1,690	10	149	185	583	391	218	122	30	2	-
UNKNOWN	5,390	13	301	554	1,744	1,291	941	441	97	6	2
<b>NON-HISPANIC</b>											
2 OR MORE RACE GROUPS	7,162	11	243	578	1,827	1,798	1,572	896	224	11	2
FIRST TRIMESTER	6,060	6	160	419	1,451	1,560	1,441	813	197	11	2
SECOND TRIMESTER	820	4	65	122	280	180	84	65	20	-	-
THIRD TRIMESTER	138	1	15	22	45	25	23	6	1	-	-
NO PRENATAL CARE	73	-	2	8	28	19	9	6	1	-	-
UNKNOWN	71	-	1	7	23	14	15	6	5	-	-
<b>AMERICAN INDIAN</b>	<b>2,073</b>	<b>2</b>	<b>76</b>	<b>169</b>	<b>663</b>	<b>555</b>	<b>345</b>	<b>209</b>	<b>53</b>	<b>1</b>	<b>-</b>
FIRST TRIMESTER	1,544	1	42	118	487	436	266	154	39	1	-
SECOND TRIMESTER	342	-	20	33	120	83	42	34	10	-	-
THIRD TRIMESTER	94	1	12	8	25	15	21	10	2	-	-
NO PRENATAL CARE	44	-	1	3	15	8	9	8	-	-	-
UNKNOWN	49	-	1	7	16	13	7	3	2	-	-
<b>ASIAN</b>	<b>62,122</b>	<b>19</b>	<b>440</b>	<b>1,060</b>	<b>6,310</b>	<b>15,802</b>	<b>23,373</b>	<b>12,271</b>	<b>2,661</b>	<b>175</b>	<b>9</b>
FIRST TRIMESTER	54,899	6	197	694	4,869	14,026	21,347	11,201	2,405	146	7
SECOND TRIMESTER	5,284	7	181	277	1,110	1,293	1,444	758	190	22	2
THIRD TRIMESTER	1,038	3	47	60	194	265	286	143	39	1	-
NO PRENATAL CARE	183	2	10	20	45	30	44	28	3	1	-
UNKNOWN	718	1	5	9	92	188	252	141	24	5	1

TABLE 2-11. LIVE BIRTHS BY TRIMESTER PRENATAL CARE BEGAN AND BY RACE/ETHNIC GROUP<sup>1</sup> AND AGE OF MOTHER, CALIFORNIA, 2004  
(By Place of Residence)--Cont. 2 of 2

RACE/ETHNIC GROUP AND TRIMESTER PRENATAL CARE BEGAN	TOTAL	AGE OF MOTHER									
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50 AND OVER
BLACK	28,679	68	1,199	2,673	8,117	7,135	5,398	3,192	847	42	6
FIRST TRIMESTER	23,485	23	762	2,048	6,589	5,977	4,626	2,716	708	30	6
SECOND TRIMESTER	3,682	28	321	473	1,102	799	549	317	85	8	-
THIRD TRIMESTER	636	9	66	77	182	129	89	61	22	1	-
NO PRENATAL CARE	342	6	23	21	90	86	57	41	16	2	-
UNKNOWN	534	2	27	54	154	144	77	57	16	1	2
PACIFIC ISLANDER	2,543	1	48	131	677	709	567	325	80	4	1
FIRST TRIMESTER	1,854	-	32	82	473	525	437	241	60	3	1
SECOND TRIMESTER	482	-	8	38	141	126	99	55	14	1	-
THIRD TRIMESTER	129	1	5	8	34	41	17	19	4	-	-
NO PRENATAL CARE	32	-	1	1	13	8	4	4	1	-	-
UNKNOWN	46	-	2	2	16	9	10	6	1	-	-
WHITE	158,992	61	1,768	5,572	27,416	39,333	46,531	29,973	7,758	525	55
FIRST TRIMESTER	142,902	27	1,174	4,247	22,597	35,553	43,521	28,096	7,146	496	45
SECOND TRIMESTER	11,555	19	439	980	3,505	2,745	2,098	1,332	414	20	3
THIRD TRIMESTER	2,137	12	87	178	648	475	409	253	74	1	-
NO PRENATAL CARE	826	2	24	54	229	191	175	100	50	-	1
UNKNOWN	1,572	1	44	113	437	369	328	192	74	8	6
OTHER RACE	187	-	5	9	40	47	42	37	7	-	-
FIRST TRIMESTER	160	-	2	6	34	38	41	32	7	-	-
SECOND TRIMESTER	17	-	2	1	3	7	-	4	-	-	-
THIRD TRIMESTER	3	-	1	-	-	2	-	-	-	-	-
NO PRENATAL CARE	1	-	-	1	-	-	-	-	-	-	-
UNKNOWN	6	-	-	1	3	-	1	1	-	-	-
UNKNOWN	7,739	5	135	316	1,342	1,925	2,046	1,395	425	82	29
FIRST TRIMESTER	6,284	1	86	212	1,011	1,595	1,751	1,174	361	68	23
SECOND TRIMESTER	600	2	26	52	164	148	98	79	22	4	5
THIRD TRIMESTER	106	-	5	10	33	24	18	12	4	-	-
NO PRENATAL CARE	83	-	2	7	23	15	15	19	1	-	1
UNKNOWN	666	2	16	35	111	143	164	111	37	10	36

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not compatible with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-12. LIVE BIRTHS BY BIRTHWEIGHT AND BY RACE/ETHNIC GROUP<sup>1</sup> AND AGE OF MOTHER, CALIFORNIA, 2004 (By Place of Residence)

RACE/ETHNIC GROUP AND BIRTHWEIGHT OF CHILD	TOTAL	AGE OF MOTHER																
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50 AND OVER	UNKNOWN						
TOTAL	544,685	696	16,263	33,474	124,309	141,608	134,578	74,580	17,926	1,090	111	50	2	3	13	15	1	16
UNDER 1500 GRAMS	6,440	21	227	393	1,314	1,416	1,558	1,125	326	50	8							
1500-2499 GRAMS	30,041	60	1,089	2,084	6,387	6,970	7,016	4,766	1,440	196	30							
2500-3499 GRAMS	301,716	456	10,436	20,632	72,349	77,651	71,832	38,488	9,268	540	51							
3500-4499 GRAMS	199,078	158	4,437	10,142	42,975	53,569	52,026	28,871	6,566	297	22							
4500 GRAMS OR MORE	7,391	1	74	223	1,282	2,002	2,145	1,330	326	7	-							
UNKNOWN	19	-	-	-	2	-	1	-	-	-	-							
HISPANIC	275,188	529	12,349	22,966	77,917	74,304	54,704	26,282	5,871	250	9							
UNDER 1500 GRAMS	3,046	14	153	252	746	718	611	411	128	8	4							
1500-2499 GRAMS	13,751	43	772	1,262	3,687	3,329	2,685	1,495	453	25	-							
2500-3499 GRAMS	153,525	359	7,974	14,236	45,790	40,407	28,384	13,243	2,992	134	4							
3500-4499 GRAMS	101,190	113	3,399	7,078	26,950	28,766	22,022	10,598	2,179	81	1							
4500 GRAMS OR MORE	3,676	-	51	138	744	1,084	1,002	535	119	2	-							
UNKNOWN	-	-	-	-	-	-	-	-	-	-	-							
NON-HISPANIC																		
2 OR MORE RACE GROUPS	7,162	11	243	578	1,827	1,798	1,572	896	224	11	2							
UNDER 1500 GRAMS	100	-	7	8	17	21	16	25	6	-	-							
1500-2499 GRAMS	396	-	19	38	96	79	81	55	24	3	1							
2500-3499 GRAMS	4,090	7	162	359	1,063	1,037	878	471	107	5	1							
3500-4499 GRAMS	2,473	4	55	168	632	629	569	331	82	3	-							
4500 GRAMS OR MORE	102	-	-	5	18	32	28	14	5	-	-							
UNKNOWN	1	-	-	-	1	-	-	-	-	-	-							
AMERICAN INDIAN	2,073	2	76	169	663	555	345	209	53	1	-							
UNDER 1500 GRAMS	24	-	-	1	6	11	-	5	-	1	-							
1500-2499 GRAMS	103	-	5	9	25	31	20	10	3	-	-							
2500-3499 GRAMS	1,082	1	44	90	360	278	169	108	32	-	-							
3500-4499 GRAMS	808	1	27	67	260	210	145	81	17	-	-							
4500 GRAMS OR MORE	56	-	-	2	12	25	11	5	1	-	-							
UNKNOWN	-	-	-	-	-	-	-	-	-	-	-							
ASIAN	62,122	19	440	1,060	6,310	15,802	23,373	12,271	2,661	175	9							
UNDER 1500 GRAMS	673	1	8	13	60	129	234	167	47	14	-							
1500-2499 GRAMS	3,893	1	53	93	441	925	1,250	878	213	34	5							
2500-3499 GRAMS	40,819	11	319	771	4,433	10,694	15,289	7,574	1,632	92	2							
3500-4499 GRAMS	16,365	6	59	180	1,355	3,980	6,450	3,558	740	35	2							
4500 GRAMS OR MORE	372	-	1	3	21	74	150	94	29	-	-							
UNKNOWN	-	-	-	-	-	-	-	-	-	-	-							



TABLE 2-12. LIVE BIRTHS BY BIRTHWEIGHT AND BY RACE/ETHNIC GROUP<sup>1</sup> AND AGE OF MOTHER, CALIFORNIA, 2004 (By Place of Residence)--Cont. 2 of 2

RACE/ETHNIC GROUP AND BIRTHWEIGHT OF CHILD	TOTAL	AGE OF MOTHER									
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50 AND OVER
BLACK	28,679	68	1,199	2,673	8,117	7,135	5,398	3,192	847	42	6
UNDER 1500 GRAMS	790	5	34	56	173	206	177	110	24	3	1
1500-2499 GRAMS	2,832	8	110	276	733	690	540	361	106	5	3
2500-3499 GRAMS	17,114	42	801	1,765	5,127	4,183	2,981	1,727	465	22	1
3500-4499 GRAMS	7,710	13	250	568	2,022	1,993	1,652	960	240	10	1
4500 GRAMS OR MORE	233	-	4	8	62	63	48	34	12	2	-
UNKNOWN	-	-	-	-	-	-	-	-	-	-	-
PACIFIC ISLANDER	2,543	1	48	131	677	709	567	325	80	4	1
UNDER 1500 GRAMS	36	-	1	2	13	5	6	4	4	-	1
1500-2499 GRAMS	144	1	3	10	33	39	19	31	7	1	-
2500-3499 GRAMS	1,207	-	28	71	360	318	261	138	30	1	-
3500-4499 GRAMS	1,068	-	15	47	258	327	255	132	33	1	-
4500 GRAMS OR MORE	88	-	1	1	13	20	26	20	6	1	-
UNKNOWN	-	-	-	-	-	-	-	-	-	-	-
WHITE	158,992	61	1,768	5,572	27,416	39,333	46,531	29,973	7,758	525	55
UNDER 1500 GRAMS	1,629	1	20	53	275	290	492	367	109	20	2
1500-2499 GRAMS	8,394	6	121	366	1,302	1,774	2,306	1,821	584	103	11
2500-3499 GRAMS	79,560	34	1,014	3,140	14,441	19,646	22,729	14,495	3,787	245	29
3500-4499 GRAMS	66,657	19	597	1,950	10,995	16,947	20,153	12,695	3,133	155	13
4500 GRAMS OR MORE	2,751	1	16	63	403	676	850	595	145	2	-
UNKNOWN	1	-	-	-	-	-	1	-	-	-	-
OTHER RACE	187	-	5	9	40	47	42	37	7	-	-
UNDER 1500 GRAMS	6	-	-	-	-	1	1	4	-	-	-
1500-2499 GRAMS	17	-	-	2	5	1	4	4	1	-	-
2500-3499 GRAMS	103	-	5	3	23	34	22	13	3	-	-
3500-4499 GRAMS	56	-	-	4	12	8	15	14	3	-	-
4500 GRAMS OR MORE	5	-	-	-	-	3	-	2	-	-	-
UNKNOWN	-	-	-	-	-	-	-	-	-	-	-
UNKNOWN	7,739	5	135	316	1,342	1,925	2,046	1,395	425	82	29
UNDER 1500 GRAMS	136	-	4	8	24	35	21	32	8	4	-
1500-2499 GRAMS	511	1	6	28	65	102	111	111	49	25	10
2500-3499 GRAMS	4,216	2	89	197	752	1,054	1,119	719	220	41	14
3500-4499 GRAMS	2,751	2	35	80	491	709	765	502	139	12	5
4500 GRAMS OR MORE	108	-	1	3	9	25	30	31	9	-	-
UNKNOWN	17	-	-	-	1	-	-	-	-	-	16

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not compatible with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-13. LIVE BIRTHS BY BIRTHWEIGHT, TRIMESTER PRENATAL CARE BEGAN, AND BY RACE/ETHNIC GROUP<sup>1</sup> OF MOTHER, CALIFORNIA, 2004  
(By Place of Residence)

BIRTHWEIGHT AND TRIMESTER PRENATAL CARE BEGAN	TOTAL	RACE/ETHNICITY OF MOTHER								
		HISPANIC		NON-HISPANIC						
		2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER RACE	UNKNOWN	
<b>TOTAL LIVE BIRTHS</b>	<b>544,685</b>	<b>275,188</b>	<b>2,073</b>	<b>62,122</b>	<b>28,679</b>	<b>2,543</b>	<b>158,992</b>	<b>187</b>	<b>7,739</b>	
UNDER 1,500 GRAMS	6,440	3,046	24	673	790	36	1,629	6	136	
FIRST TRIMESTER	5,444	2,547	16	580	631	25	1,443	6	112	
SECOND TRIMESTER	580	306	10	58	94	5	96	-	6	
THIRD TRIMESTER	66	34	2	-	6	1	17	-	-	
NO PRENATAL CARE	187	79	3	11	44	3	39	-	6	
UNKNOWN	163	80	1	18	15	2	34	-	12	
1,500-2,499 GRAMS	30,041	13,751	103	3,893	2,832	144	8,394	17	511	
FIRST TRIMESTER	25,081	11,171	72	3,401	2,201	106	7,392	13	402	
SECOND TRIMESTER	3,233	1,693	21	356	403	26	642	2	41	
THIRD TRIMESTER	601	304	2	71	71	8	129	-	4	
NO PRENATAL CARE	428	212	4	15	70	3	108	-	11	
UNKNOWN	698	371	4	50	87	1	123	2	53	
2,500-3,499 GRAMS	301,716	153,525	1,082	40,819	17,114	1,207	79,560	103	4,216	
FIRST TRIMESTER	256,825	127,017	797	35,966	13,956	911	71,236	88	3,410	
SECOND TRIMESTER	31,482	18,553	178	3,534	2,256	207	5,930	9	332	
THIRD TRIMESTER	6,464	3,945	58	712	408	50	1,145	3	65	
NO PRENATAL CARE	1,879	992	26	133	194	15	433	1	38	
UNKNOWN	5,066	3,018	23	474	300	24	816	2	371	
3,500-4,499 GRAMS	199,078	101,190	808	16,365	7,710	1,068	66,657	56	2,751	
FIRST TRIMESTER	172,771	85,472	610	14,632	6,492	753	60,370	48	2,272	
SECOND TRIMESTER	18,996	11,278	135	1,299	908	222	4,671	6	210	
THIRD TRIMESTER	3,571	2,197	31	243	148	64	810	-	35	
NO PRENATAL CARE	741	385	12	22	33	11	235	-	27	
UNKNOWN	2,999	1,858	20	169	129	18	571	2	207	
4,500 GRAMS OR MORE	7,391	3,676	56	372	233	88	2,751	5	108	
FIRST TRIMESTER	6,342	3,068	49	320	205	59	2,461	5	88	
SECOND TRIMESTER	756	435	11	37	21	22	216	-	11	
THIRD TRIMESTER	147	88	3	6	3	6	36	-	2	
NO PRENATAL CARE	37	22	1	2	1	1	10	-	1	
UNKNOWN	109	63	1	7	3	1	28	-	6	
UNKNOWN	19	-	-	-	-	-	1	-	17	
FIRST TRIMESTER	-	-	-	-	-	-	-	-	-	
SECOND TRIMESTER	-	-	-	-	-	-	-	-	-	
THIRD TRIMESTER	-	-	-	-	-	-	-	-	-	
NO PRENATAL CARE	2	-	-	-	-	-	1	-	-	
UNKNOWN	17	-	-	-	-	-	-	-	17	

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not compatible with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-14. LIVE BIRTHS BY PLURALITY OF DELIVERY, SEX OF CHILD, AND BY RACE/ETHNIC GROUP<sup>1</sup> OF MOTHER, CALIFORNIA, 2004  
(By Place of Residence)

PLURALITY OF DELIVERY AND SEX OF CHILD	TOTAL <sup>2</sup>	RACE/ETHNIC GROUP OF MOTHER							
		NON-HISPANIC							UNKNOWN
		HISPANIC	2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	
<b>TOTAL LIVE BIRTHS</b>	544,685	275,188	7,162	2,073	62,122	28,679	2,543	158,992	187
MALE	278,305	140,162	3,710	1,052	31,884	14,705	1,276	81,451	106
FEMALE	266,371	135,020	3,452	1,021	30,236	13,973	1,267	77,541	81
<b>SINGLE BIRTH</b>	528,143	269,307	6,897	2,021	60,295	27,573	2,469	152,077	177
MALE	270,014	137,259	3,574	1,024	30,983	14,156	1,243	77,926	104
FEMALE	258,121	132,043	3,323	997	29,310	13,416	1,226	74,151	73
<b>TWIN BIRTH</b>	15,737	5,660	259	52	1,734	1,082	71	6,493	6
MALE	7,916	2,797	135	28	856	534	32	3,335	1
FEMALE	7,820	2,862	124	24	878	548	39	3,158	5
<b>TRIPLET BIRTH</b>	744	180	6	-	93	24	3	406	-
MALE	350	86	1	-	45	15	1	186	-
FEMALE	394	94	5	-	48	9	2	220	-
<b>QUADRUPLER BIRTH</b>	55	35	-	-	-	-	-	16	4
MALE	21	16	-	-	-	-	-	4	1
FEMALE	34	19	-	-	-	-	-	12	3
<b>OTHER MULTIPLE BIRTHS <sup>3</sup></b>	6	6	-	-	-	-	-	-	-
MALE	4	4	-	-	-	-	-	-	-
FEMALE	2	2	-	-	-	-	-	-	-

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not compatible with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>2</sup> Nine births where sex of child was undetermined are included in the totals.

<sup>3</sup> In 2004 there were 6 sextuplet births.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-15. LIVE BIRTHS BY PLURALITY OF DELIVERY, SEX OF CHILD, AND BY RACE<sup>1</sup> OF MOTHER, CALIFORNIA, 2004 (By Place of Residence)

RACE OF MOTHER	ALL BIRTHS			PLURALITY OF BIRTH AND SEX OF CHILD														
	TOTAL <sup>2</sup>	MALE	FEMALE	SINGLE			TWIN			TRIPLET			QUADRUPLET			MULTIPLE BIRTHS <sup>3</sup>		
				TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	544,685	278,305	266,371	528,143	270,014	258,121	15,737	7,916	7,820	744	350	394	55	21	34	6	4	2
2 OR MORE RACES	10,199	5,277	4,922	9,836	5,086	4,750	354	190	164	9	1	8	-	-	-	-	-	-
AMERICAN INDIAN	2,494	1,251	1,243	2,432	1,217	1,215	56	31	25	6	3	3	-	-	-	-	-	-
BLACK	29,296	15,023	14,272	28,168	14,464	13,703	1,104	544	560	24	15	9	-	-	-	-	-	-
CAMBODIAN	1,672	813	858	1,641	800	840	28	13	15	3	-	3	-	-	-	-	-	-
CHINESE	13,282	6,821	6,461	12,857	6,624	6,233	407	187	220	18	10	8	-	-	-	-	-	-
ESKIMO/ALEUT	8	4	4	8	4	4	-	-	-	-	-	-	-	-	-	-	-	-
FILIPINO	14,976	7,749	7,226	14,580	7,564	7,015	364	166	198	32	19	13	-	-	-	-	-	-
GUAMANIAN	263	133	130	255	128	127	8	5	3	-	-	-	-	-	-	-	-	-
HAWAIIAN	248	120	128	237	117	120	11	3	8	-	-	-	-	-	-	-	-	-
HMONG	1,847	951	896	1,813	933	880	34	18	16	-	-	-	-	-	-	-	-	-
INDIAN (INDIA)	8,365	4,337	4,028	8,071	4,185	3,886	286	144	142	8	8	-	-	-	-	-	-	-
JAPANESE	2,643	1,361	1,282	2,518	1,291	1,227	116	65	51	9	5	4	-	-	-	-	-	-
KOREAN	5,250	2,679	2,571	5,078	2,581	2,497	169	97	72	3	1	2	-	-	-	-	-	-
LAOTIAN	1,028	524	504	1,017	519	498	8	4	4	3	1	2	-	-	-	-	-	-
SAMOAN	773	387	386	755	377	378	18	10	8	-	-	-	-	-	-	-	-	-
THAI	687	356	331	672	348	324	15	8	7	-	-	-	-	-	-	-	-	-
VIETNAMESE	8,818	4,501	4,317	8,618	4,406	4,212	194	95	99	6	-	6	-	-	-	-	-	-
WHITE	428,058	218,484	209,568	415,437	212,147	203,285	11,990	6,046	5,943	574	267	307	51	20	31	6	4	2
OTHER ASIAN	3,977	2,020	1,957	3,838	1,954	1,884	125	63	62	14	3	11	-	-	-	-	-	-
OTHER PAC. ISLAND.	1,327	671	656	1,288	656	632	36	14	22	3	1	2	-	-	-	-	-	-
OTHER RACE	1,716	878	838	1,678	862	816	34	15	19	-	-	-	4	1	3	-	-	-
UNKNOWN	7,758	3,965	3,793	7,346	3,751	3,595	380	198	182	32	16	16	-	-	-	-	-	-

- Represents zero events.

<sup>1</sup> The list of races in this table is compiled by identifying mothers reporting 2 or more race groups before tabulating single races. Unknown includes refused to state.

This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>2</sup> Nine births where the sex of child was undetermined are included in the totals.<sup>3</sup> In 2004 there were six sextuplet births.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-16. LIVE BIRTHS BY METHOD OF DELIVERY AND AGE OF MOTHER, CALIFORNIA, 2004 (By Place of Residence)

AGE OF MOTHER	TOTAL LIVE BIRTHS	CESAREAN DELIVERIES				VAGINAL DELIVERIES			
		TOTAL CESAREAN DELIVERIES	PERCENT OF TOTAL BIRTHS	REPEAT CESAREAN DELIVERIES	PERCENT OF TOTAL CESAREAN	TOTAL VAGINAL DELIVERIES	PERCENT OF TOTAL LIVE BIRTHS	POST CESAREAN DELIVERIES	PERCENT OF VAGINAL DELIVERIES
<b>TOTAL</b>	<b>544,685</b>	<b>159,413</b>	<b>29.3</b>	<b>66,329</b>	<b>41.6</b>	<b>385,272</b>	<b>70.7</b>	<b>3,817</b>	<b>1.0</b>
UNDER 15	696	114	16.4	-	-	582	83.6	-	-
15-19	49,737	9,669	19.4	1,297	13.4	40,068	80.6	50	0.1
20-24	124,309	29,434	23.7	10,389	35.3	94,875	76.3	494	0.5
25-29	141,608	38,930	27.5	17,128	44.0	102,678	72.5	1,026	1.0
30-34	134,578	43,681	32.5	20,017	45.8	90,897	67.5	1,244	1.4
35-39	74,580	28,732	38.5	13,635	47.5	45,848	61.5	806	1.8
40-44	17,926	8,145	45.4	3,640	44.7	9,781	54.6	188	1.9
45 AND OVER	1,201	703	58.5	221	31.4	498	41.5	9	1.8
UNKNOWN	50	5	10.0	2	40.0	45	90.0	-	-

- Represents zero events.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-17. MOST POPULAR BABY NAMES, CALIFORNIA, 2004 (By Place of Residence)

GIRLS				BOYS			
2004 RANK	NAME	2004 NUMBER	2003 NUMBER	2004 RANK	NAME	2004 NUMBER	2003 NUMBER
1	EMILY	3,388	1	1	DANIEL	4,157	1
2	ASHLEY	2,922	2	2	ANTHONY	3,797	2
3	SAMANTHA	2,474	3	3	ANDREW	3,464	3
4	ISABELLA	2,435	4	4	JOSE	3,379	4
5	NATALIE	1,942	7	5	JACOB	3,327	5
6	ALYSSA	1,808	5	6	JOSHUA	3,292	8
7	EMMA	1,740	6	7	DAVID	3,246	6
8	SOPHIA	1,715	13	8	ANGEL	3,232	7
9	JESSICA	1,700	8	9	MATTHEW	2,853	10
10	JASMINE	1,666	11	10	MICHAEL	2,844	9
11	ELIZABETH	1,595	10	11	CHRISTOPHER	2,754	11
12	MADISON	1,572	14	12	JONATHAN	2,541	13
13	JENNIFER	1,483	9	13	RYAN	2,511	14
14	KIMBERLY	1,460	16	14	ALEXANDER	2,440	15
15	ALEXIS	1,434	12	15	JOSEPH	2,430	12
16	ANDREA	1,374	20	16	ETHAN	2,356	18
17	ABIGAIL	1,314	22	17	NATHAN	2,302	19
18	HANNAH	1,310	17	18	BRANDON	2,208	16
19	SARAH	1,304	15	19	KEVIN	2,133	17
20	VANESSA	1,299	19	20	JUAN	2,106	20
21	MIA	1,270	25	21	CHRISTIAN	2,022	21
22	STEPHANIE	1,246	18	22	JESUS	2,012	25
23	BRIANNA	1,221	21	23	NICHOLAS	1,999	23
24	MICHELLE	1,152	24	24	DIEGO	1,977	-
25	OLIVIA	1,149	-	25	LUIS	1,957	22

- Not in top 25.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-18. LIVE BIRTHS, CALIFORNIA COUNTIES, 1995-2004 (By Place of Residence)

COUNTY	YEAR									
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>CALIFORNIA</b>	<b>551,226</b>	<b>538,628</b>	<b>524,174</b>	<b>521,265</b>	<b>518,073</b>	<b>531,285</b>	<b>527,371</b>	<b>529,245</b>	<b>540,827</b>	<b>544,685</b>
ALAMEDA	20,941	20,668	20,766	20,933	20,547	22,164	22,029	21,802	21,574	20,919
ALPINE	11	10	7	15	12	9	12	11	14	8
AMADOR	247	289	270	263	264	235	264	260	299	262
BUTTE	2,518	2,475	2,253	2,267	2,256	2,196	2,314	2,268	2,382	2,354
CALAVERAS	382	320	327	288	325	309	323	338	323	322
COLUSA	317	302	307	314	335	330	358	307	330	345
CONTRA COSTA	12,483	12,284	12,294	12,506	12,586	13,204	13,126	13,315	13,210	13,279
DEL NORTE	310	333	324	316	298	316	275	288	299	285
EL DORADO	1,726	1,664	1,666	1,677	1,637	1,628	1,698	1,765	1,751	1,897
FRESNO	15,078	14,637	14,116	14,363	14,019	14,262	14,290	14,766	15,401	15,896
GLENN	442	440	427	380	386	385	406	408	431	398
HUMBOLDT	1,573	1,500	1,478	1,457	1,452	1,371	1,500	1,420	1,444	1,509
IMPERIAL	2,637	2,497	2,381	2,500	2,464	2,572	2,597	2,662	2,908	2,861
INYO	242	221	190	201	190	167	180	173	198	214
KERN	11,942	11,557	11,271	11,521	11,377	11,680	11,723	12,211	12,888	13,455
KINGS	2,141	2,255	2,084	2,164	2,149	2,174	2,134	2,311	2,365	2,549
LAKE	675	581	565	566	579	583	609	636	684	686
LASSEN	298	297	328	294	284	263	243	301	300	301
LOS ANGELES	174,862	168,973	162,036	158,604	156,153	157,391	153,523	151,167	152,192	151,504
MADERA	1,994	2,007	1,987	2,073	1,958	2,107	2,187	2,147	2,291	2,346
MARIN	2,614	2,642	2,651	2,569	2,650	2,824	2,865	2,772	2,830	2,792
MARIPOSA	151	154	135	135	126	126	153	130	135	150
MENDOCINO	1,131	1,021	1,025	1,082	1,012	1,083	1,061	1,078	1,102	1,125
MERCED	4,023	3,733	3,610	3,529	3,658	3,874	3,952	4,030	4,278	4,296
MODOC	122	114	98	81	68	80	63	67	89	85
MONO	136	120	118	135	119	128	169	138	139	170
MONTEREY	6,810	6,635	6,720	6,813	6,718	6,900	7,176	7,119	7,423	7,396
NAPA	1,463	1,509	1,499	1,477	1,493	1,497	1,565	1,571	1,676	1,604
NEVADA	833	794	796	757	770	759	828	823	821	818
ORANGE	48,720	48,007	47,487	46,189	46,509	46,980	45,492	44,796	45,366	45,060
PLACER	2,877	2,760	2,607	2,673	2,954	3,046	3,104	3,484	3,639	3,797
PLUMAS	168	148	156	126	137	150	147	183	180	173
RIVERSIDE	24,220	23,473	23,319	23,230	23,536	24,832	25,382	26,691	28,028	29,545
SACRAMENTO	18,730	17,844	17,312	17,757	17,737	18,192	18,922	19,243	20,424	20,836
SAN BENITO	796	798	888	891	974	876	978	920	869	887
SAN BERNARDINO	30,109	29,359	28,319	28,245	28,397	28,657	29,215	29,696	30,824	31,914
SAN DIEGO	45,902	44,886	43,255	43,422	43,261	44,272	43,758	43,951	45,368	45,758
SAN FRANCISCO	8,592	8,368	8,196	8,157	8,119	8,657	8,233	8,361	8,659	8,579
SAN JOAQUIN	9,051	8,779	8,719	8,647	8,853	9,603	9,811	10,162	10,455	11,010
SAN LUIS OBISPO	2,652	2,488	2,491	2,373	2,357	2,435	2,436	2,368	2,620	2,694
SAN MATEO	9,972	10,042	10,050	10,142	10,108	10,440	10,263	10,091	10,179	10,089
SANTA BARBARA	5,814	5,977	5,789	5,764	5,496	5,682	5,612	5,698	5,800	6,209
SANTA CLARA	25,983	26,646	26,416	26,659	26,266	27,612	27,076	27,060	26,997	26,537
SANTA CRUZ	3,475	3,419	3,559	3,421	3,446	3,505	3,470	3,334	3,453	3,399
SHASTA	2,034	2,050	2,000	1,943	1,845	1,828	1,942	1,963	2,060	2,046
SIERRA	23	16	12	19	12	21	11	30	30	18
SISKIYOU	492	532	425	461	462	412	427	411	493	467
SOLANO	5,694	5,806	5,475	5,510	5,539	5,891	5,763	5,851	5,818	5,688
SONOMA	5,442	5,503	5,409	5,472	5,420	5,651	5,706	5,679	5,843	5,964
STANISLAUS	7,284	7,166	6,790	6,927	7,115	7,241	7,586	7,929	8,022	8,061
SUTTER	1,160	1,143	1,210	1,158	1,127	1,166	1,213	1,263	1,352	1,342
TEHAMA	728	672	627	651	634	686	636	711	758	700
TRINITY	123	145	100	121	90	85	112	106	105	110
TULARE	7,150	7,194	6,934	6,890	6,762	7,251	7,319	7,419	7,602	7,957
TUOLUMNE	492	463	467	429	440	427	439	442	468	477
VENTURA	12,069	11,665	11,281	11,576	11,444	11,768	11,329	11,606	12,008	11,954
YOLO	2,188	2,154	2,106	2,148	2,142	2,246	2,317	2,384	2,434	2,404
YUBA	1,184	1,093	1,046	984	1,006	1,056	1,049	1,129	1,196	1,184

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-19. NUMBER AND PERCENT OF LIVE BIRTHS WITH LATE OR NO PRENATAL CARE, CALIFORNIA COUNTIES, 1995 - 2004 (By Place of Residence)

COUNTY	LATE OR NO PRENATAL CARE										PERCENT OF ALL LIVE BIRTHS									
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>CALIFORNIA</b>	<b>25,099</b>	<b>20,328</b>	<b>19,244</b>	<b>18,650</b>	<b>16,319</b>	<b>16,051</b>	<b>15,258</b>	<b>13,606</b>	<b>13,447</b>	<b>14,123</b>	<b>4.6</b>	<b>3.8</b>	<b>3.7</b>	<b>3.6</b>	<b>3.2</b>	<b>3.1</b>	<b>2.9</b>	<b>2.6</b>	<b>2.5</b>	<b>2.6</b>
ALAMEDA	479	378	437	484	422	431	379	372	393	343	2.3	1.9	2.1	2.4	2.1	2.0	1.7	1.7	1.8	1.7
ALPINE	2	-	-	3	1	-	-	-	1	-	a	-	-	a	a	-	-	-	3.0	a
AMADOR	6	7	4	5	4	5	5	6	9	2	2.4	2.4	a	1.9	a	2.1	1.9	2.3	3.0	a
BUTTE	136	118	131	121	96	73	86	96	105	99	5.4	4.8	5.8	5.4	4.3	3.3	3.7	4.2	4.4	4.2
CALAVERAS	17	6	11	8	9	3	14	9	16	10	4.5	1.9	3.4	2.8	2.8	a	4.3	2.7	5.0	3.1
COLUSA	25	25	15	23	27	25	25	20	15	15	7.9	8.3	4.9	7.3	8.1	7.6	7.0	6.6	4.6	6.7
CONTRA COSTA	482	409	345	358	301	315	306	323	285	375	3.9	3.5	2.9	2.9	2.4	2.4	2.3	2.4	2.2	2.8
DEL NORTE	21	11	11	10	11	8	11	10	9	11	6.8	3.3	3.4	3.2	3.7	2.5	4.0	3.5	3.0	3.9
EL DORADO	51	45	53	34	53	32	37	27	31	41	3.0	2.7	3.2	2.0	3.3	2.0	2.2	1.5	1.8	2.2
FRESNO	483	480	519	439	426	427	436	390	375	356	3.2	3.3	3.7	3.1	3.1	3.0	3.1	2.7	2.4	2.2
GLENN	32	23	14	18	21	17	19	23	24	22	7.2	5.3	3.3	4.7	5.5	4.4	4.7	5.7	5.7	5.6
HUMBOLDT	114	78	71	65	41	59	61	64	56	61	7.4	5.2	4.9	4.5	2.9	4.4	4.2	4.5	3.9	4.1
IMPERIAL	209	210	188	155	150	184	199	199	236	228	7.9	8.4	7.9	6.3	6.2	7.3	7.7	7.6	8.4	8.2
INYO	23	20	11	12	11	9	13	7	16	12	9.5	9.1	5.8	6.0	5.8	5.4	7.2	4.0	8.1	5.6
KERN	837	592	486	381	253	278	303	283	274	390	7.2	5.4	4.5	3.5	2.4	2.6	2.9	2.6	2.4	3.3
KINGS	116	89	59	110	76	96	169	181	177	178	5.5	4.0	2.8	5.1	3.5	4.4	7.9	7.8	7.5	7.0
LAKE	74	49	40	42	43	32	48	48	39	50	11.1	8.6	7.2	7.5	7.5	5.6	7.9	7.6	5.7	7.4
LASSEN	23	11	11	14	9	4	6	8	9	8	7.8	3.8	3.4	4.8	3.2	a	2.5	2.7	3.0	2.7
LOS ANGELES	6,213	5,005	4,790	4,487	3,855	3,599	3,246	2,714	2,414	2,600	3.6	3.0	3.0	2.9	2.5	2.3	2.2	1.8	1.6	1.7
MADERA	129	82	85	101	86	111	116	85	73	68	6.5	4.1	4.3	4.9	4.4	5.3	5.3	4.0	3.2	2.9
MARIN	72	74	56	52	39	59	47	32	15	17	2.8	2.8	2.1	2.0	1.5	2.1	1.6	1.2	0.5	0.6
MARIPOSA	8	5	6	8	6	11	14	4	7	5	5.4	3.3	4.5	6.1	4.9	9.0	9.4	a	5.3	3.4
MENDOCINO	165	74	76	94	103	111	103	66	69	103	14.8	7.4	7.6	8.8	10.2	10.3	9.8	6.2	6.3	9.2
MERCED	247	220	258	294	325	354	395	317	352	293	6.2	6.0	7.3	8.4	9.0	9.3	10.3	8.3	8.6	7.0
MODOC	9	5	4	5	3	4	3	1	4	-	7.4	4.4	a	a	a	a	a	a	a	-
MONO	10	3	8	7	6	2	5	5	11	6	7.4	a	6.8	5.2	5.0	a	3.0	3.7	7.9	3.5
MONTEREY	476	350	281	269	311	307	259	195	248	213	7.1	5.3	4.2	4.0	4.7	4.5	3.6	2.8	3.9	3.6
NAPA	63	64	39	69	64	67	67	77	56	42	4.4	4.3	2.7	5.1	4.7	5.0	4.3	5.0	3.4	2.6
NEVADA	23	28	21	28	17	34	32	32	16	21	2.8	3.5	2.6	3.7	2.2	4.5	3.9	3.9	2.0	2.6
ORANGE	1,672	1,522	1,427	1,198	1,129	913	811	761	772	707	3.4	3.2	3.0	2.6	2.4	2.0	1.8	1.7	1.7	1.6
PLACER	90	83	55	53	59	63	64	60	57	74	3.1	3.0	2.1	2.0	2.0	2.1	2.1	1.7	1.6	2.0
PLUMAS	9	8	3	3	3	7	6	6	3	7	5.4	5.4	a	a	a	4.7	4.1	3.3	a	4.0
RIVERSIDE	1,617	1,340	1,284	1,299	1,002	1,016	1,006	946	850	878	6.7	5.8	5.6	5.7	4.3	4.1	4.0	3.6	3.1	3.0
SACRAMENTO	1,301	925	841	839	713	667	704	585	582	707	7.0	5.2	4.9	4.8	4.1	3.7	3.8	3.1	2.9	3.4
SAN BENITO	18	21	16	25	11	25	37	34	31	21	2.3	2.7	1.8	2.8	1.1	2.9	3.8	3.8	3.6	2.4
SAN BERNARDINO	2,013	1,519	1,392	1,411	1,253	1,141	1,077	977	948	1,066	6.8	5.2	5.0	5.1	4.5	4.1	3.8	3.4	3.1	3.4
SAN DIEGO	3,012	2,447	2,440	2,241	1,905	1,748	1,443	1,166	1,087	1,066	6.6	5.5	5.7	5.2	4.5	4.0	3.4	2.7	2.4	2.4
SAN FRANCISCO	311	213	244	248	246	234	228	209	192	175	3.6	2.6	3.0	3.0	3.0	2.7	2.8	2.5	2.2	2.1
SAN JOAQUIN	513	472	491	549	540	701	586	618	713	901	5.8	5.6	5.8	6.6	6.2	7.5	6.1	6.2	6.9	8.3
SAN LUIS OBISPO	133	103	82	84	55	87	71	114	61	67	5.0	4.2	3.3	3.6	2.4	3.6	2.9	4.9	2.4	2.5
SAN MATEO	317	286	323	289	264	283	291	252	207	162	3.2	2.9	3.2	2.9	2.6	2.7	2.8	2.5	2.0	1.6
SANTA BARBARA	270	245	206	202	215	242	240	205	193	247	4.7	4.1	3.6	3.5	3.9	4.3	4.3	3.6	3.3	4.0
SANTA CLARA	958	811	681	681	662	758	696	565	931	797	3.8	3.1	2.6	2.6	2.5	2.8	2.6	2.2	3.6	3.1
SANTA CRUZ	136	124	83	105	82	75	67	50	91	69	4.0	3.7	2.4	3.1	2.4	2.1	1.9	1.5	2.7	2.0
SHASTA	78	49	50	54	51	32	42	33	37	37	3.9	2.4	2.5	2.8	2.8	1.8	2.2	1.7	1.8	1.8
SIERRA	1	-	1	-	-	2	-	-	2	-	a	-	a	-	-	a	-	-	a	-
SISKIYOU	37	31	16	26	9	16	23	15	27	23	7.5	5.8	3.8	5.8	2.0	4.0	5.5	3.7	5.5	5.0
SOLANO	489	407	325	322	278	276	309	269	264	260	8.7	7.2	6.2	6.7	5.8	5.5	5.4	4.7	4.6	4.6
SONOMA	135	106	107	151	112	120	146	128	109	164	2.6	2.0	2.1	2.9	2.2	2.2	2.6	2.3	1.9	2.8
STANISLAUS	297	220	234	238	224	211	280	345	212	185	4.1	3.1	3.5	3.5	3.2	3.0	3.8	3.1	2.7	2.4
SUTTER	85	69	83	70	70	66	49	56	70	72	7.3	6.1	6.9	6.1	6.2	5.7	4.0	4.4	5.2	5.4
TEHAMA	39	34	30	21	22	12	14	26	27	33	5.4	5.1	4.8	3.2	3.5	1.8	2.2	3.7	3.6	4.7
TRINITY	4	2	3	10	4	4	5	3	2	6	a	a	a	8.3	a	a	4.5	a	a	5.5
TULARE	402	395	364	398	245	263	230	271	188	279	5.6	5.5	5.3	6.0	3.8	3.9	3.2	3.7	2.5	3.5
TUOLUMNE	13	10	7	7	9	4	7	7	8	7	2.6	2.2	1.5	1.6	2.0	a	1.6	1.6	1.7	1.5
VENTURA	304	202	205	210	179	217	206	221	243	311	2.5	1.7	1.8	1.8	1.6	1.8	1.8	1.9	2.0	2.6
YOLO	198	135	128	149	127	132	133	112	124	153	9.1	6.3	6.1	7.0	6.0	5.9	5.8	4.7	5.1	6.4
YUBA	102	88	93	71	81	79	83	78	81	72	8.6	8.1	8.9	7.2	8.1	7.5	7.9	6.9	6.8	6.1

- Represents zero events.

a Percent is not calculated for fewer than five events.

Note: Late prenatal care is care beginning in the third trimester.

Births with unknown values were subtracted from total births before percentages were calculated.

Source: State of California, Department of Health Services, Birth Records.



TABLE 2-20. NUMBER AND PERCENT OF LOW BIRTHWEIGHT BIRTHS, CALIFORNIA COUNTIES, 1995-2004 (By Place of Residence)

COUNTY	LOW BIRTHWEIGHT BIRTHS										PERCENT OF ALL LIVE BIRTHS									
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
CALIFORNIA	33,588	32,649	32,232	32,438	31,686	32,853	33,196	33,859	35,659	36,481	6.1	6.1	6.1	6.2	6.2	6.1	6.2	6.3	6.4	6.6
ALAMEDA	1,454	1,440	1,436	1,502	1,342	1,485	1,567	1,448	1,558	1,430	6.9	7.0	6.9	7.2	7.2	6.5	6.7	6.6	7.2	6.8
ALPINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMADOR	13	11	16	17	14	8	14	17	13	13	5.3	3.8	5.9	6.5	5.3	3.4	5.3	6.5	4.3	5.0
BUTTE	131	122	103	107	123	109	121	143	138	121	5.2	4.9	4.6	4.7	5.5	5.0	5.2	6.3	5.8	5.1
CALAVERAS	28	17	15	12	19	17	9	19	21	23	7.3	5.3	4.6	4.2	5.8	5.5	2.8	5.6	6.5	7.1
COLUSA	27	10	14	20	22	16	13	7	15	18	8.5	3.3	4.6	6.4	6.4	6.8	4.8	3.6	2.3	4.5
CONTRA COSTA	744	776	774	794	800	852	870	830	851	923	6.0	6.3	6.3	6.3	6.4	6.5	6.6	6.2	6.4	7.0
DEL NORTE	14	15	24	15	12	16	15	14	8	14	5.6	4.5	7.4	4.7	4.0	5.1	5.5	4.9	2.7	4.3
EL DORADO	96	107	110	86	81	93	84	122	121	119	5.6	6.4	6.6	5.1	4.9	5.7	4.9	6.9	6.9	6.3
FRESNO	1,009	947	935	922	903	941	948	956	1,074	1,106	6.7	6.5	6.6	6.4	6.4	6.6	6.6	6.5	7.0	7.0
GLENN	18	16	20	15	18	24	24	21	20	21	4.1	3.6	4.7	3.9	4.7	6.2	5.9	4.9	4.9	3.5
HUMBOLDT	77	75	59	76	56	74	74	82	75	105	4.9	5.0	4.0	5.2	3.9	5.4	4.9	5.8	5.2	7.0
IMPERIAL	132	109	115	175	121	125	133	142	161	170	5.0	4.4	4.8	7.0	4.9	4.9	5.1	5.3	5.5	5.9
INYO	16	17	11	12	8	10	9	7	15	12	6.6	7.7	5.8	6.0	4.2	6.0	5.0	4.0	7.6	5.6
KERN	787	760	671	717	689	772	741	795	898	937	6.6	6.6	6.0	6.2	6.1	6.6	6.3	6.5	7.0	7.0
KINGS	120	141	122	118	139	126	128	139	150	167	5.6	6.3	5.9	5.5	6.5	5.8	6.0	6.0	6.3	6.6
LAKE	44	28	32	34	30	29	37	42	50	43	6.5	4.8	5.7	6.0	5.2	5.0	6.1	6.6	7.3	6.3
LASSEN	20	7	16	14	9	16	17	15	18	16	6.7	2.4	4.9	4.8	3.2	6.1	7.0	5.0	6.0	5.3
LOS ANGELES	11,270	10,761	10,487	10,408	10,232	10,080	10,213	10,222	10,794	10,717	6.4	6.4	6.5	6.6	6.6	6.4	6.7	6.8	7.1	7.1
MADERA	115	109	93	119	99	118	129	138	156	139	5.8	5.4	4.7	5.7	5.1	5.6	5.9	6.4	6.8	5.9
MARIN	133	149	142	135	134	172	164	171	189	173	5.1	5.6	5.4	5.3	5.1	5.1	5.7	6.2	6.7	6.2
MARIPOSA	12	5	10	12	5	10	14	4	10	6	7.9	3.2	7.4	8.9	4.0	7.9	9.2	a	7.4	4.0
MENDOCINO	51	57	55	58	34	35	50	63	60	70	4.5	5.6	5.4	5.4	3.4	3.2	4.7	5.8	5.4	6.2
MERCED	245	235	216	211	222	241	224	264	286	268	6.1	6.3	6.0	6.0	6.1	6.2	5.7	6.6	6.7	6.2
MODOC	7	7	5	5	4	3	2	6	7	5	5.7	6.1	5.1	6.2	a	a	a	9.0	7.9	5.9
MONO	11	5	10	6	8	2	15	11	7	15	8.1	4.2	8.5	4.4	6.7	a	a	8.9	8.0	8.8
MONTEREY	359	319	371	359	397	389	400	422	431	470	5.3	4.8	5.5	5.3	5.9	5.6	5.6	5.9	5.8	6.4
NAPA	62	59	67	74	77	80	75	101	83	92	4.2	3.9	4.5	5.0	5.2	5.3	4.8	6.4	5.0	5.7
NEVADA	41	48	41	43	43	36	45	44	50	53	4.9	6.0	5.2	5.7	5.6	4.7	5.4	5.3	6.1	6.5
ORANGE	2,613	2,488	2,521	2,538	2,578	2,561	2,672	2,720	2,725	2,785	5.4	5.2	5.3	5.5	5.5	5.5	5.9	6.1	6.0	6.2
PLACER	143	127	131	133	131	190	175	184	207	219	5.0	4.6	5.0	5.0	4.4	6.2	5.6	5.3	5.7	5.8
PLUMAS	10	10	3	3	3	6	6	10	20	21	6.0	6.8	a	a	a	4.0	4.8	5.5	11.1	3.5
RIVERSIDE	1,394	1,440	1,528	1,437	1,355	1,564	1,458	1,601	1,782	1,883	5.8	6.1	6.6	6.2	5.8	6.3	5.7	6.0	6.4	6.4
SACRAMENTO	1,230	1,097	1,190	1,200	1,165	1,191	1,282	1,216	1,346	1,447	6.6	6.1	6.9	6.8	6.6	6.5	6.8	6.3	6.6	6.9
SAN BENITO	39	39	36	44	47	51	47	40	43	45	4.9	4.9	4.1	4.9	4.8	5.8	4.8	4.3	4.9	5.1
SAN BERNARDINO	2,018	1,941	1,895	1,771	1,788	1,881	1,958	2,070	2,075	2,299	6.7	6.6	6.7	6.3	6.3	6.3	6.6	7.0	6.7	7.2
SAN DIEGO	2,553	2,614	2,518	2,603	2,563	2,668	2,644	2,682	2,782	2,953	5.6	5.8	5.8	6.0	5.9	6.0	6.0	6.1	6.1	6.5
SAN FRANCISCO	610	559	541	583	551	558	610	555	629	566	7.1	6.7	6.6	7.1	6.8	6.4	7.4	6.6	7.3	6.6
SAN JOAQUIN	567	578	570	554	492	610	619	680	721	743	6.3	6.6	6.5	6.4	6.4	5.6	6.4	6.3	6.7	6.9
SAN LUIS OBISPO	121	136	134	109	116	130	126	139	141	175	4.6	5.5	5.4	4.6	4.9	5.3	5.2	5.9	5.4	6.5
SAN MATEO	586	577	592	685	586	640	580	648	692	667	5.9	5.7	5.9	6.8	5.8	6.1	5.7	6.4	6.8	6.6
SANTA BARBARA	332	363	336	346	302	315	342	361	392	415	5.7	3.6	6.1	5.8	5.5	5.5	6.1	6.3	6.8	6.7
SANTA CLARA	1,573	1,599	1,551	1,612	1,620	1,696	1,614	1,704	1,752	1,745	6.1	6.0	5.9	6.0	6.2	6.1	6.0	6.3	6.5	6.6
SANTA CRUZ	164	180	180	188	182	184	164	192	178	176	4.7	4.4	4.1	5.5	5.3	5.2	4.7	5.8	5.2	5.2
SHASTA	114	102	96	106	95	114	106	109	122	122	5.6	5.0	4.8	5.5	5.1	6.2	5.5	5.6	5.9	6.0
SIERRA	-	-	-	-	1	-	-	3	1	1	-	-	-	-	a	-	-	a	a	a
SISKIYOU	37	30	24	23	25	29	40	31	27	42	7.5	5.6	5.6	5.0	5.4	7.0	9.4	7.5	5.5	9.0
SOLANO	361	366	349	351	384	399	386	413	372	412	6.3	6.3	6.4	6.4	6.9	6.8	6.7	7.1	6.4	7.2
SONOMA	302	299	267	272	311	320	313	259	317	322	5.5	4.4	4.9	5.0	5.7	5.7	5.5	4.6	5.4	5.4
STANISLAUS	427	439	450	454	417	404	505	506	522	533	5.9	6.1	6.6	6.6	5.9	5.6	6.7	6.4	6.5	6.6
SUTTER	52	75	73	79	68	67	76	77	70	81	6.0	6.6	6.0	6.8	6.0	5.7	6.3	6.1	5.2	6.0
TEHAMA	49	34	28	27	30	43	25	41	50	43	6.7	5.1	4.5	4.1	4.7	6.3	3.9	5.8	6.6	6.1
TRINITY	10	7	5	13	4	5	7	6	11	6	8.1	4.8	5.0	10.7	a	5.9	6.3	5.7	10.5	5.5
TULARE	397	409	360	393	377	438	404	407	462	481	5.6	5.7	5.2	5.7	5.6	6.0	5.5	5.5	6.1	6.0
TUOLUMNE	23	25	27	25	26	25	23	19	18	20	5.8	5.4	5.8	5.4	5.8	5.9	5.2	4.3	3.8	4.2
VENTURA	644	609	659	622	653	694	676	692	764	836	5.3	5.2	5.8	5.4	5.7	5.9	6.0	6.0	6.4	7.0
YOLO	112	119	125	126	101	120	118	158	106	136	5.1	5.5	5.9	5.9	4.7	5.3	5.1	6.6	4.4	5.7
YUBA	71	65	73	75	74	71	84	92	71	83	6.0	5.9	7.0	7.6	7.4	6.7	8.0	8.1	5.9	7.0

- Represents zero events.

a Percentages are not calculated for fewer than 5 events  
Low birthweight is less than 2,500 grams (5.5 pounds).

Source: State of California, Department of Health Services, Birth Records

TABLE 2-21. NUMBER AND PERCENT OF LIVE BIRTHS TO TEEN MOTHERS, CALIFORNIA COUNTIES, 1995-2004 (By Place of Residence)

COUNTY	LIVE BIRTHS TO TEEN MOTHERS										PERCENT OF ALL LIVE BIRTHS									
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>CALIFORNIA</b>	<b>66,644</b>	<b>63,118</b>	<b>59,851</b>	<b>58,141</b>	<b>56,577</b>	<b>55,373</b>	<b>52,966</b>	<b>50,201</b>	<b>49,330</b>	<b>49,737</b>	<b>12.1</b>	<b>11.7</b>	<b>11.4</b>	<b>11.2</b>	<b>10.9</b>	<b>10.4</b>	<b>10.0</b>	<b>9.5</b>	<b>9.1</b>	<b>9.1</b>
ALAMEDA	1,991	1,830	1,777	1,755	1,597	1,694	1,574	1,369	1,308	1,228	9.5	8.9	8.6	8.4	7.8	7.6	7.1	6.3	6.1	5.9
ALPINE	4	1	1	2	2	1	-	2	1	31	14.2	12.8	13.3	9.9	11.0	9.8	11.4	11.2	9.0	11.8
AMADOR	35	37	36	26	29	23	30	29	27	31	14.2	12.8	13.3	9.9	11.0	10.9	11.5	12.5	11.8	10.7
BUTTE	391	396	342	326	296	239	266	283	280	252	15.5	16.0	15.2	14.4	13.1	10.9	11.5	12.5	11.8	10.7
CALAVERAS	52	48	38	25	48	36	37	37	28	41	13.6	15.0	11.6	8.7	14.8	11.7	11.5	10.9	8.7	12.7
COLUSA	51	41	40	35	56	58	48	35	44	40	13.6	13.6	13.0	11.1	16.7	17.6	13.4	11.4	13.3	11.6
CONTRA COSTA	1,072	1,093	1,055	1,004	978	941	883	874	829	807	8.6	8.9	8.6	8.0	7.8	7.1	6.7	6.6	6.3	6.1
DEL NORTE	63	54	62	65	63	59	58	53	57	43	20.3	16.2	19.1	20.6	21.1	18.7	21.1	18.4	19.1	15.1
EL DORADO	176	150	155	149	153	129	148	144	113	122	10.2	9.0	9.3	8.9	9.3	7.9	8.7	8.2	6.5	6.4
FRESNO	2,633	2,517	2,535	2,459	2,409	2,360	2,245	2,150	2,151	2,190	17.5	17.2	18.0	17.1	17.2	16.5	15.7	14.6	14.0	13.8
GLENN	65	61	65	63	54	52	49	45	60	50	14.7	13.9	15.2	16.6	14.0	13.5	12.1	11.0	13.9	12.6
HUMBOLDT	217	197	185	181	179	157	143	157	123	156	13.8	13.1	12.5	12.4	12.3	11.5	9.5	11.1	8.5	10.3
IMPERIAL	388	400	381	399	383	432	411	389	426	424	14.7	16.0	16.0	16.0	15.5	16.8	15.8	14.6	14.6	14.8
INYO	32	37	33	31	30	28	23	17	26	21	13.2	16.7	17.4	15.4	15.8	16.8	12.8	9.8	13.1	9.8
KERN	2,146	1,952	1,928	1,953	1,923	1,954	1,820	1,843	1,893	1,980	18.0	16.9	17.1	17.0	16.9	16.7	15.5	15.1	14.7	14.7
KINGS	387	381	369	373	379	362	328	351	330	357	18.1	16.9	17.7	17.2	17.6	16.7	15.4	15.2	14.0	14.0
LAKE	107	117	99	110	84	94	99	80	89	82	15.9	20.1	17.5	19.4	14.5	16.1	16.3	12.6	13.0	12.0
LASSEN	62	48	39	51	39	31	35	33	28	48	20.8	16.2	11.9	17.3	13.7	11.8	14.4	11.0	9.3	15.9
LOS ANGELES	21,612	19,958	18,530	17,923	17,143	16,608	15,550	14,510	13,997	14,182	12.4	11.8	11.4	11.3	11.0	10.6	10.1	9.6	9.2	9.4
MADERA	399	371	381	359	331	341	378	330	351	326	20.0	18.5	19.2	17.3	16.9	16.2	17.3	15.4	15.3	13.0
MARIN	93	119	111	79	91	81	77	66	73	82	3.6	4.5	4.2	3.1	3.4	2.9	2.7	2.4	2.6	2.9
MARIPOSA	21	11	19	18	21	23	13	10	17	13	13.9	7.1	14.1	13.3	16.7	18.3	8.5	7.7	12.6	8.7
MENDOCINO	202	167	139	156	147	148	144	132	138	130	17.9	16.4	13.6	14.4	14.5	13.7	13.6	12.2	12.5	11.6
MERCED	768	674	620	558	648	616	587	583	569	559	19.1	18.1	17.2	15.8	17.7	15.9	14.9	14.5	13.3	13.0
MODOC	14	25	23	11	6	14	3	9	15	9	11.5	21.9	23.5	13.6	8.8	17.5	a	13.4	16.9	10.6
MONO	9	9	14	9	6	17	13	10	7	7	6.6	7.5	11.9	6.7	5.0	13.3	7.7	7.2	5.0	4.1
MONTEREY	936	900	925	872	858	858	892	863	879	850	13.7	13.6	13.8	12.8	12.8	12.4	12.4	12.1	11.8	11.5
NAPA	163	158	126	138	130	127	111	122	136	124	11.1	10.5	8.4	9.3	8.7	8.5	7.1	7.8	8.1	7.7
NEVADA	86	86	89	85	65	66	77	57	55	64	10.3	10.8	11.2	11.2	8.4	8.7	9.3	6.9	6.7	7.8
ORANGE	4,268	4,247	3,944	3,698	3,676	3,605	3,363	3,147	3,069	3,083	8.8	8.8	8.3	8.0	7.9	7.7	7.4	7.0	6.8	6.8
PLACER	262	229	214	194	196	173	189	200	204	182	9.1	8.3	8.2	7.3	6.6	5.7	6.1	5.7	5.6	4.8
PLUMAS	31	24	15	20	15	17	16	21	19	10	18.5	16.2	9.6	15.9	10.9	11.3	10.9	11.5	10.6	5.8
RIVERSIDE	3,409	3,284	3,222	3,206	3,004	3,221	3,193	3,082	3,041	3,148	14.1	14.0	13.8	13.8	13.4	13.0	12.6	11.5	10.8	10.7
SACRAMENTO	2,362	2,131	2,099	2,110	2,058	1,930	1,837	1,800	1,877	1,846	12.6	11.9	12.1	11.9	11.3	10.6	9.7	9.4	9.2	8.9
SAN BENITO	113	124	109	119	110	82	99	92	73	87	14.2	15.5	12.3	13.4	11.3	9.4	10.1	10.0	8.4	9.8
SAN BERNARDINO	4,485	4,316	4,128	4,073	4,118	3,872	3,855	3,652	3,671	3,797	14.9	14.7	14.6	14.4	14.5	13.5	13.2	12.3	11.9	11.9
SAN DIEGO	4,937	4,831	4,192	4,277	4,284	4,080	3,954	3,732	3,692	3,738	10.8	10.8	9.7	9.8	9.9	9.2	9.0	8.5	8.1	8.2
SAN FRANCISCO	637	588	584	488	488	456	410	371	370	306	7.4	7.0	7.1	6.0	6.0	5.3	5.0	4.4	4.3	3.6
SAN JOAQUIN	1,454	1,328	1,367	1,228	1,303	1,356	1,257	1,281	1,271	1,304	16.1	15.1	15.7	14.2	14.7	14.1	12.8	12.6	12.2	11.8
SAN LUIS OBISPO	273	249	242	256	237	243	200	213	237	212	10.3	10.0	9.7	10.8	10.1	10.0	8.2	9.0	9.0	7.9
SAN MATEO	719	702	677	688	609	599	548	529	460	452	7.2	7.0	6.7	6.8	6.0	5.7	5.3	5.2	4.5	4.5
SANTA BARBARA	705	724	715	678	603	641	630	590	594	612	12.1	12.1	12.4	11.8	11.0	11.3	11.2	10.4	10.2	9.9
SANTA CLARA	2,204	2,137	2,143	2,018	1,871	1,807	1,754	1,476	1,333	1,366	8.5	8.0	8.1	7.6	7.1	6.5	6.5	5.5	4.9	5.1
SANTA CRUZ	410	367	342	351	316	330	305	306	300	301	11.8	10.7	9.6	10.3	9.2	9.4	8.8	9.2	8.7	8.9
SHASTA	300	322	329	309	286	224	282	281	280	242	14.7	15.7	16.5	15.9	15.5	12.3	14.5	14.3	13.6	11.8
SIERRA	3	1	2	3	-	4	1	4	1	1	a	a	a	a	-	a	a	a	a	a
SISKIYOU	79	73	80	68	74	52	66	57	53	58	16.1	13.7	18.8	14.8	16.0	12.6	15.5	13.9	10.8	12.4
SONOMA	686	700	651	611	639	601	551	510	507	458	12.0	12.1	11.9	11.1	11.5	10.2	9.6	8.7	8.7	8.1
STANISLAUS	534	504	525	497	505	452	423	449	424	472	9.8	9.2	9.7	9.1	9.3	8.0	7.4	7.9	7.3	7.9
SUTTER	1,070	1,084	1,037	995	928	995	989	954	938	973	14.7	15.1	15.3	14.4	13.0	13.7	13.0	12.0	11.7	12.1
TEHAMA	177	141	145	157	120	139	151	165	140	130	15.3	12.3	12.0	13.6	10.6	11.9	12.4	13.1	10.4	9.7
TRINITY	132	115	108	109	126	132	97	123	96	113	18.1	17.1	17.2	16.7	19.9	19.2	15.3	17.3	12.7	16.1
TULARE	16	18	20	21	17	11	24	9	15	8	13.0	12.4	20.0	17.4	18.9	12.9	21.4	8.5	14.3	7.3
TUOLUMNE	1,380	1,387	1,283	1,287	1,223	1,250	1,219	1,185	1,175	1,231	19.3	19.3	18.5	18.7	18.1	17.2	16.7	16.0	15.5	15.5
VENTURA	80	65	66	56	54	42	42	43	44	45	16.3	14.0	14.1	13.1	12.3	9.8	9.6	9.7	9.4	9.4
YOLO	1,247	1,159	1,103	1,041	1,100	1,121	1,061	1,005	1,026	970	10.3	9.9	9.8	9.0	9.6	9.5	9.4	8.7	8.5	8.1
YUBA	275	236	231	219	202	214	221	174	206	213	12.6	11.0	11.0	10.2	9.4	9.5	9.5	7.3	8.5	8.9
	221	194	161	149	169	175	187	167	164	161	18.7	17.7	15.4	15.1	16.8	16.6	17.8	14.8	13.7	13.6

- Represents zero events.

a Percents are not calculated for fewer than 5 events.

Note: Teen mothers include ages 15-19 years.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-22. PERCENT OF LIVE BIRTHS WITH SELECTED MEDICAL CHARACTERISTICS, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence)

COUNTY	PERCENT OF BIRTHS BY MEDICAL CHARACTERISTICS			
	LATE OR NO PRENATAL CARE <sup>1</sup>	PRETERM BIRTH <sup>2</sup>	CESAREAN DELIVERIES	LOW BIRTHWEIGHT <sup>3</sup>
<b>CALIFORNIA</b>	<b>2.6</b>	<b>10.9</b>	<b>29.3</b>	<b>6.7</b>
ALAMEDA	1.7	9.2	26.7	6.8
Berkeley <sup>4</sup>	0.7	8.9	25.9	7.4
ALPINE	-	-	a	-
AMADOR	a	9.6	35.1	5.0
BUTTE	4.2	11.4	28.8	5.1
CALAVERAS	3.1	10.1	31.4	7.1
COLUSA	6.7	9.2	27.5	5.2
CONTRA COSTA	2.8	10.6	26.9	7.0
DEL NORTE	3.9	7.0	25.6	4.9
EL DORADO	2.2	12.5	28.6	6.3
FRESNO	2.2	12.9	29.3	7.0
GLENN	5.6	10.9	24.4	3.5
HUMBOLDT	4.1	9.6	25.2	7.0
IMPERIAL	8.2	12.6	36.6	5.9
INYO	5.6	9.0	31.3	5.6
KERN	3.3	13.6	25.7	7.0
KINGS	7.0	12.9	34.4	6.6
LAKE	7.4	9.4	23.2	6.3
LASSEN	2.7	6.5	26.6	5.3
LOS ANGELES	1.7	11.5	31.9	7.1
Long Beach <sup>4</sup>	1.6	11.0	30.1	7.1
Pasadena <sup>4</sup>	1.5	12.0	33.1	7.5
MADERA	2.9	12.4	26.4	5.9
MARIN	0.6	9.2	27.0	6.2
MARIPOSA	3.4	15.4	29.3	4.0
MENDOCINO	9.2	10.0	22.8	6.2
MERCED	7.0	10.5	28.0	6.2
MODOC	-	a	24.7	5.9
MONO	3.5	9.6	28.2	8.8
MONTEREY	3.6	10.8	26.6	6.4
NAPA	2.6	8.4	25.9	5.7
NEVADA	2.6	11.9	25.8	6.5
ORANGE	1.6	9.8	31.1	6.2
PLACER	2.0	9.7	28.7	5.8
PLUMAS	4.0	10.2	26.6	3.5
RIVERSIDE	3.0	11.6	28.9	6.4
SACRAMENTO	3.4	10.3	25.9	6.9
SAN BENITO	2.4	7.3	29.5	5.1
SAN BERNARDINO	3.4	11.7	29.6	7.2
SAN DIEGO	2.4	11.0	28.8	6.5
SAN FRANCISCO	2.1	9.7	24.1	6.6
SAN JOAQUIN	8.3	11.4	27.8	6.7
SAN LUIS OBISPO	2.5	8.3	29.1	6.5
SAN MATEO	1.6	9.5	25.2	6.6
SANTA BARBARA	4.0	10.5	29.2	6.7
SANTA CLARA	3.1	9.8	26.4	6.6
SANTA CRUZ	2.0	10.0	26.3	5.2
SHASTA	1.8	9.3	27.5	6.0
SIERRA	-	a	38.9	a
SISKIYOU	5.0	11.0	30.6	9.0
SOLANO	4.6	10.6	25.1	7.2
SONOMA	2.8	7.3	23.8	5.4
STANISLAUS	2.4	11.7	29.7	6.6
SUTTER	5.4	10.7	31.9	6.0
TEHAMA	4.7	10.0	22.9	6.1
TRINITY	5.5	14.6	31.8	5.5
TULARE	3.5	10.9	30.1	6.0
TUOLUMNE	1.5	7.4	31.4	4.2
VENTURA	2.6	11.6	31.0	7.0
YOLO	6.4	9.2	22.0	5.7
YUBA	6.1	11.8	31.9	7.0

<sup>1</sup> Prenatal care in the third trimester or no prenatal care.

<sup>2</sup> Birth prior to 37 completed weeks of gestation.

<sup>3</sup> Birthweight of less than 2500 grams (5.5 pounds).

<sup>4</sup> City Health Department numbers are included in their respective county totals.

- Represents zero events.

a Percents not calculated for fewer than 5 events.

Note: Births with unknown values were subtracted from total births before percentages were calculated.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-23. LIVE BIRTHS BY TRIMESTER PRENATAL CARE BEGAN, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004  
(By Place of Residence)

COUNTY	TOTAL	TRIMESTER PRENATAL CARE BEGAN			NO PRENATAL CARE	UNKNOWN
		FIRST TRIMESTER	SECOND TRIMESTER	THIRD TRIMESTER		
<b>CALIFORNIA</b>	<b>544,685</b>	<b>466,463</b>	<b>55,047</b>	<b>10,849</b>	<b>3,274</b>	<b>9,052</b>
ALAMEDA	20,919	18,721	1,634	283	60	221
Berkeley <sup>1</sup>	946	895	39	7	-	5
ALPINE	8	6	1	-	-	1
AMADOR	262	229	29	1	1	2
BUTTE	2,354	1,787	453	83	16	15
CALAVERAS	322	263	47	5	5	2
COLUSA	345	275	47	21	2	-
CONTRA COSTA	13,279	11,660	1,131	318	57	113
DEL NORTE	285	236	38	9	2	-
EL DORADO	1,897	1,627	219	28	13	10
FRESNO	15,896	13,735	1,741	263	93	64
GLENN	398	280	91	20	2	5
HUMBOLDT	1,509	1,236	179	43	18	33
IMPERIAL	2,861	2,124	444	132	96	65
INYO	214	163	39	11	1	-
KERN	13,455	9,853	1,573	324	66	1,639
KINGS	2,549	1,927	439	160	18	5
LAKE	686	501	129	41	9	6
LASSEN	301	252	41	7	1	-
LOS ANGELES	151,504	136,144	11,161	1,918	682	1,599
Long Beach <sup>1</sup>	7,884	7,209	528	88	34	25
Pasadena <sup>1</sup>	2,275	1,996	135	25	8	111
MADERA	2,346	1,974	290	45	23	14
MARIN	2,792	2,686	83	13	4	6
MARIPOSA	150	114	27	5	-	4
MENDOCINO	1,125	733	282	86	17	7
MERCED	4,296	2,818	1,058	276	17	127
MODOC	85	67	14	-	-	4
MONO	170	128	36	6	-	-
MONTEREY	7,396	4,897	787	171	42	1,499
NAPA	1,604	1,339	206	35	7	17
NEVADA	818	723	69	12	9	5
ORANGE	45,060	41,253	2,913	475	232	187
PLACER	3,797	3,388	316	55	19	19
PLUMAS	173	147	19	4	3	-
RIVERSIDE	29,545	24,915	3,337	613	265	415
SACRAMENTO	20,836	16,994	3,075	513	194	60
SAN BENITO	887	722	137	18	3	7
SAN BERNARDINO	31,914	26,076	4,339	737	329	433
SAN DIEGO	45,758	39,284	4,468	818	248	940
SAN FRANCISCO	8,579	7,533	826	130	45	45
SAN JOAQUIN	11,010	7,612	2,362	688	213	135
SAN LUIS OBISPO	2,694	2,209	370	46	21	48
SAN MATEO	10,089	9,064	833	129	33	30
SANTA BARBARA	6,209	5,064	829	210	37	69
SANTA CLARA	26,537	22,600	2,324	734	63	816
SANTA CRUZ	3,399	3,049	261	50	19	20
SHASTA	2,046	1,829	172	17	20	8
SIERRA	18	16	2	-	-	-
SISKIYOU	467	349	92	21	2	3
SOLANO	5,688	4,189	1,178	219	41	61
SONOMA	5,964	5,128	663	136	28	9
STANISLAUS	8,061	6,784	890	147	38	202
SUTTER	1,342	915	353	63	9	2
TEHAMA	700	568	99	26	7	-
TRINITY	110	91	12	5	1	1
TULARE	7,957	6,507	1,114	225	54	57
TUOLUMNE	477	417	51	5	2	2
VENTURA	11,954	10,658	977	257	54	8
YOLO	2,404	1,824	422	133	20	5
YUBA	1,184	780	325	59	13	7

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-24. LIVE BIRTHS BY WEEKS OF GESTATION, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004  
(By Place of Residence)

COUNTY	TOTAL	WEEKS OF GESTATION			
		UNDER 37 WEEKS	37 WEEKS- UNDER 42 WEEKS	42 WEEKS AND OVER	NOT REPORTED
<b>CALIFORNIA</b>	<b>544,685</b>	<b>55,738</b>	<b>417,015</b>	<b>37,046</b>	<b>34,886</b>
ALAMEDA	20,919	1,880	17,531	1,052	456
Berkeley <sup>1</sup>	946	83	828	21	14
ALPINE	8	-	7	-	1
AMADOR	262	24	205	21	12
BUTTE	2,354	255	1,805	177	117
CALAVERAS	322	31	259	17	15
COLUSA	345	31	265	40	9
CONTRA COSTA	13,279	1,370	10,519	985	405
DEL NORTE	285	19	221	30	15
EL DORADO	1,897	221	1,422	125	129
FRESNO	15,896	1,729	10,363	1,269	2,535
GLENN	398	41	295	39	23
HUMBOLDT	1,509	131	1,100	139	139
IMPERIAL	2,861	349	2,177	236	99
INYO	214	19	179	12	4
KERN	13,455	1,570	8,928	1,050	1,907
KINGS	2,549	305	1,804	250	190
LAKE	686	58	525	37	66
LASSEN	301	17	227	17	40
LOS ANGELES	151,504	16,188	114,240	9,894	11,182
Long Beach <sup>1</sup>	7,884	838	6,289	518	239
Pasadena <sup>1</sup>	2,275	256	1,731	143	145
MADERA	2,346	276	1,755	202	113
MARIN	2,792	257	2,384	138	13
MARIPOSA	150	22	108	13	7
MENDOCINO	1,125	107	858	107	53
MERCED	4,296	427	3,274	349	246
MODOC	85	4	70	8	3
MONO	170	16	136	15	3
MONTEREY	7,396	615	4,632	471	1,678
NAPA	1,604	131	1,296	136	41
NEVADA	818	93	604	82	39
ORANGE	45,060	4,202	36,205	2,503	2,150
PLACER	3,797	351	3,018	254	174
PLUMAS	173	17	133	16	7
RIVERSIDE	29,545	3,209	22,394	2,010	1,932
SACRAMENTO	20,836	2,039	16,238	1,477	1,082
SAN BENITO	887	63	734	65	25
SAN BERNARDINO	31,914	3,493	24,112	2,355	1,954
SAN DIEGO	45,758	4,786	35,018	3,576	2,378
SAN FRANCISCO	8,579	813	7,145	436	185
SAN JOAQUIN	11,010	1,184	8,404	803	619
SAN LUIS OBISPO	2,694	215	2,230	152	97
SAN MATEO	10,089	950	8,556	443	140
SANTA BARBARA	6,209	613	4,845	395	356
SANTA CLARA	26,537	2,434	20,553	1,759	1,791
SANTA CRUZ	3,399	323	2,657	266	153
SHASTA	2,046	165	1,466	137	278
SIERRA	18	2	14	-	2
SISKIYOU	467	50	378	27	12
SOLANO	5,688	589	4,524	436	139
SONOMA	5,964	421	5,053	307	183
STANISLAUS	8,061	884	6,076	620	481
SUTTER	1,342	137	1,032	116	57
TEHAMA	700	64	491	86	59
TRINITY	110	14	72	10	14
TULARE	7,957	823	6,024	695	415
TUOLUMNE	477	35	410	27	5
VENTURA	11,954	1,325	9,234	828	567
YOLO	2,404	217	1,934	215	38
YUBA	1,184	134	876	121	53

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Note: "Not Reported" includes not only those weeks of gestation not stated, but also 260 live births of less than 17 weeks of gestation, 1,082 live births of 53 weeks or more gestation, and 33,451 where gestation was not stated. These categories reflect inaccuracies rather than actual gestation periods.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-25. NUMBER AND PERCENT OF LIVE BIRTHS BY METHOD OF DELIVERY, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Occurrence)

COUNTY	TOTAL LIVE BIRTHS	METHOD OF DELIVERY				PERCENT OF TOTAL BIRTHS			
		VAGINAL		CESAREAN		VAGINAL		CESAREAN	
		TOTAL	AFTER PREVIOUS CESAREAN	TOTAL	REPEAT	TOTAL	AFTER PREVIOUS CESAREAN	TOTAL	REPEAT
<b>CALIFORNIA</b>	<b>545,758</b>	<b>386,018</b>	<b>3,827</b>	<b>159,740</b>	<b>66,472</b>	<b>70.7</b>	<b>0.7</b>	<b>29.3</b>	<b>12.2</b>
ALAMEDA	21,612	15,803	327	5,809	2,025	73.1	1.5	26.9	9.4
Berkeley <sup>1</sup>	7,621	5,362	246	2,259	728	70.4	3.2	29.6	9.6
ALPINE	1	1	-	-	-	a	-	-	-
AMADOR	147	98	1	49	18	66.7	a	33.3	12.2
BUTTE	2,827	2,083	12	744	348	73.7	0.4	26.3	12.3
CALAVERAS	147	103	-	44	21	70.1	-	29.9	14.3
COLUSA	206	145	3	61	31	70.4	a	29.6	15.0
CONTRA COSTA	11,735	8,645	127	3,090	1,195	73.7	1.1	26.3	10.2
DEL NORTE	313	245	1	68	28	78.3	a	21.7	8.9
EL DORADO	1,187	863	4	324	134	72.7	a	27.3	11.3
FRESNO	17,392	12,214	24	5,178	2,420	70.2	0.1	29.8	13.9
GLENN	1	1	-	-	-	a	-	-	-
HUMBOLDT	1,520	1,139	28	381	140	74.9	1.8	25.1	9.2
IMPERIAL	2,757	1,759	-	998	506	63.8	-	36.2	18.4
INYO	202	135	3	67	32	66.8	a	33.2	15.8
KERN	12,886	9,633	133	3,253	1,565	74.8	1.0	25.2	12.1
KINGS	2,395	1,602	5	793	370	66.9	0.2	33.1	15.4
LAKE	498	386	13	112	60	77.5	2.6	22.5	12.0
LASSEN	268	205	5	63	21	76.5	1.9	23.5	7.8
LOS ANGELES	157,168	106,577	1,123	50,591	20,900	67.8	0.7	32.2	13.3
Long Beach <sup>1</sup>	9,811	6,721	34	3,090	1,365	68.5	0.3	31.5	13.9
Pasadena <sup>1</sup>	3,514	2,152	12	1,362	493	61.2	0.3	38.8	14.0
MADERA	1,618	1,203	7	415	241	74.4	0.4	25.6	14.9
MARIN	1,837	1,370	46	467	175	74.6	2.5	25.4	9.5
MARIPOSA	9	9	-	-	-	100.0	-	-	-
MENDOCINO	1,045	814	18	231	102	77.9	1.7	22.1	9.8
MERCED	3,326	2,416	-	910	505	72.6	-	27.4	15.2
MODOC	44	40	2	4	2	90.9	a	a	a
MONO	159	118	-	41	16	74.2	-	25.8	10.1
MONTEREY	6,852	5,075	8	1,777	867	74.1	0.1	25.9	12.7
NAPA	1,247	916	23	331	130	73.5	1.8	26.5	10.4
NEVADA	962	722	6	240	108	75.1	0.6	24.9	11.2
ORANGE	48,391	33,370	405	15,021	6,397	69.0	0.8	31.0	13.2
PLACER	3,191	2,307	6	884	395	72.3	0.2	27.7	12.4
PLUMAS	103	74	1	29	7	71.8	a	28.2	6.8
RIVERSIDE	25,677	18,442	86	7,235	3,389	71.8	0.3	28.2	13.2
SACRAMENTO	23,440	17,163	227	6,277	2,281	73.2	1.0	26.8	9.7
SAN BENITO	590	406	-	184	88	68.8	-	31.2	14.9
SAN BERNARDINO	27,259	19,436	210	7,823	3,677	71.3	0.8	28.7	13.5
SAN DIEGO	47,949	34,078	276	13,871	5,027	71.1	0.6	28.9	10.5
SAN FRANCISCO	12,832	9,519	127	3,313	957	74.2	1.0	25.8	7.5
SAN JOAQUIN	10,211	7,404	33	2,807	1,252	72.5	0.3	27.5	12.3
SAN LUIS OBISPO	2,718	1,926	34	792	326	70.9	1.3	29.1	12.0
SAN MATEO	5,648	4,291	87	1,357	463	76.0	1.5	24.0	8.2
SANTA BARBARA	6,304	4,454	25	1,850	869	70.7	0.4	29.3	13.8
SANTA CLARA	30,720	22,446	96	8,274	3,040	73.1	0.3	26.9	9.9
SANTA CRUZ	3,732	2,759	39	973	412	73.9	1.0	26.1	11.0
SHASTA	2,104	1,520	3	584	272	72.2	a	27.8	12.9
SIERRA	-	-	-	-	-	-	-	-	-
SISKIYOU	349	248	2	101	45	71.1	a	28.9	12.9
SOLANO	5,397	4,083	64	1,314	551	75.7	1.2	24.3	10.2
SONOMA	6,083	4,667	49	1,416	567	76.7	0.8	23.3	9.3
STANISLAUS	9,228	6,479	20	2,749	1,178	70.2	0.2	29.8	12.8
SUTTER	2,101	1,452	22	649	305	69.1	1.0	30.9	14.5
TEHAMA	633	488	-	145	67	77.1	-	22.9	10.6
TRINITY	3	3	-	-	-	a	-	-	-
TULARE	7,174	5,030	25	2,144	1,124	70.1	0.3	29.9	15.7
TUOLUMNE	534	375	-	159	69	70.2	-	29.8	12.9
VENTURA	11,119	7,712	67	3,407	1,599	69.4	0.6	30.6	14.4
YOLO	1,900	1,559	4	341	155	82.1	a	17.9	8.2
YUBA	7	7	-	-	-	100.0	-	-	-

- Represents zero events.

a Percents not calculated for fewer than 5 events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Note: Percents are rounded independently and may not add to 100.0.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-26. LIVE BIRTHS BY PLACE OF DELIVERY, CALIFORNIA COUNTIES AND SELECTED CITY  
HEALTH DEPARTMENTS, 2004 (By Place of Occurrence)

COUNTY	TOTAL	IN HOSPITAL	NOT IN HOSPITAL	IN TRANSIT	UNKNOWN
<b>CALIFORNIA</b>	<b>545,758</b>	<b>543,218</b>	<b>2,067</b>	<b>446</b>	<b>27</b>
ALAMEDA	21,612	21,446	154	11	1
Berkeley <sup>1</sup>	7,599	7,556	39	4	-
ALPINE	1	-	1	-	-
AMADOR	147	145	2	-	-
BUTTE	2,827	2,821	6	-	-
CALAVERAS	147	142	5	-	-
COLUSA	206	205	1	-	-
CONTRA COSTA	11,735	11,685	48	2	-
DEL NORTE	313	311	2	-	-
EL DORADO	1,187	1,162	24	1	-
FRESNO	17,392	17,305	67	17	3
GLENN	1	-	-	1	-
HUMBOLDT	1,520	1,474	46	-	-
IMPERIAL	2,757	2,750	4	3	-
INYO	202	201	1	-	-
KERN	12,886	12,822	46	18	-
KINGS	2,395	2,389	5	-	1
LAKE	498	493	5	-	-
LASSEN	268	266	2	-	-
LOS ANGELES	157,168	156,679	381	101	7
Long Beach <sup>1</sup>	9,796	9,776	19	-	1
Pasadena <sup>1</sup>	3,512	3,503	9	-	-
MADERA	1,618	1,608	8	2	-
MARIN	1,837	1,794	39	3	1
MARIPOSA	9	1	8	-	-
MENDOCINO	1,045	995	41	2	7
MERCED	3,326	3,318	6	2	-
MODOC	44	42	2	-	-
MONO	159	159	-	-	-
MONTEREY	6,852	6,811	36	5	-
NAPA	1,247	1,242	4	1	-
NEVADA	962	915	46	1	-
ORANGE	48,391	48,273	70	48	-
PLACER	3,191	3,156	31	2	2
PLUMAS	103	98	5	-	-
RIVERSIDE	25,677	25,586	74	16	1
SACRAMENTO	23,440	23,325	94	21	-
SAN BENITO	590	584	5	1	-
SAN BERNARDINO	27,259	27,162	73	24	-
SAN DIEGO	47,949	47,812	113	24	-
SAN FRANCISCO	12,832	12,730	72	30	-
SAN JOAQUIN	10,211	10,175	26	9	1
SAN LUIS OBISPO	2,718	2,700	14	4	-
SAN MATEO	5,648	5,609	37	1	1
SANTA BARBARA	6,304	6,252	45	6	1
SANTA CLARA	30,720	30,613	94	13	-
SANTA CRUZ	3,732	3,657	74	1	-
SHASTA	2,104	2,072	32	-	-
SIERRA	-	-	-	-	-
SISKIYOU	349	340	9	-	-
SOLANO	5,397	5,358	29	10	-
SONOMA	6,083	6,024	52	7	-
STANISLAUS	9,228	9,210	13	5	-
SUTTER	2,101	2,093	5	3	-
TEHAMA	633	630	3	-	-
TRINITY	3	1	2	-	-
TULARE	7,174	7,158	14	2	-
TUOLUMNE	534	511	23	-	-
VENTURA	11,119	11,030	43	46	-
YOLO	1,900	1,878	21	1	-
YUBA	7	-	4	2	1

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.



TABLE 2-27. LIVE BIRTHS BY BIRTHWEIGHT, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence)

COUNTY	TOTAL	BIRTHWEIGHT					
		UNDER 1500 GRAMS	1500-2499 GRAMS	2500-3499 GRAMS	3500-4499 GRAMS	4500 GRAMS AND OVER	UNKNOWN
<b>CALIFORNIA</b>	<b>544,685</b>	<b>6,440</b>	<b>30,041</b>	<b>301,716</b>	<b>199,078</b>	<b>7,391</b>	<b>19</b>
ALAMEDA	20,919	230	1,200	11,445	7,737	307	-
Berkeley <sup>1</sup>	946	15	55	476	384	16	-
ALPINE	8	-	-	5	3	-	-
AMADOR	262	3	10	159	84	6	-
BUTTE	2,354	14	107	1,274	924	35	-
CALAVERAS	322	7	16	160	137	2	-
COLUSA	345	2	16	173	147	7	-
CONTRA COSTA	13,279	153	770	6,846	5,286	224	-
DEL NORTE	285	5	9	137	129	5	-
EL DORADO	1,897	21	98	1,014	744	20	-
FRESNO	15,896	207	899	9,024	5,570	196	-
GLENN	398	4	10	220	153	11	-
HUMBOLDT	1,509	17	88	718	647	39	-
IMPERIAL	2,861	33	137	1,615	1,039	37	-
INYO	214	-	12	130	72	-	-
KERN	13,455	170	767	7,380	4,924	212	2
KINGS	2,549	38	129	1,372	964	46	-
LAKE	686	6	37	372	264	7	-
LASSEN	301	3	13	177	107	1	-
LOS ANGELES	151,504	1,933	8,784	86,905	52,138	1,736	8
Long Beach <sup>1</sup>	7,884	98	465	4,345	2,879	97	-
Pasadena <sup>1</sup>	2,275	35	135	1,347	748	10	-
MADERA	2,346	14	125	1,346	835	26	-
MARIN	2,792	18	155	1,424	1,134	61	-
MARIPOSA	150	1	5	88	55	1	-
MENDOCINO	1,125	16	54	576	460	18	1
MERCED	4,296	45	223	2,389	1,569	70	-
MODOC	85	-	5	48	32	-	-
MONO	170	2	13	112	42	1	-
MONTEREY	7,396	74	396	3,879	2,938	109	-
NAPA	1,604	18	74	789	696	27	-
NEVADA	818	9	44	433	323	9	-
ORANGE	45,060	479	2,306	25,046	16,654	575	-
PLACER	3,797	32	187	1,926	1,582	70	-
PLUMAS	173	1	5	101	66	-	-
RIVERSIDE	29,545	343	1,540	16,507	10,784	370	1
SACRAMENTO	20,836	273	1,174	10,964	8,057	368	-
SAN BENITO	887	3	42	461	363	17	1
SAN BERNARDINO	31,914	445	1,854	18,168	11,064	378	5
SAN DIEGO	45,758	543	2,410	24,442	17,725	638	-
SAN FRANCISCO	8,579	93	473	4,897	3,011	105	-
SAN JOAQUIN	11,010	150	593	6,082	4,032	153	-
SAN LUIS OBISPO	2,694	22	153	1,407	1,065	47	-
SAN MATEO	10,089	106	561	5,499	3,742	181	-
SANTA BARBARA	6,209	73	342	3,403	2,311	80	-
SANTA CLARA	26,537	247	1,498	15,083	9,356	353	-
SANTA CRUZ	3,399	40	136	1,769	1,388	66	-
SHASTA	2,046	19	103	1,094	793	37	-
SIERRA	18	1	-	12	5	-	-
SISKIYOU	467	7	35	254	166	5	-
SOLANO	5,688	73	339	2,943	2,236	97	-
SONOMA	5,964	54	268	3,012	2,510	120	-
STANISLAUS	8,061	100	433	4,424	2,978	126	-
SUTTER	1,342	12	69	657	573	31	-
TEHAMA	700	4	39	337	308	12	-
TRINITY	110	2	4	65	39	-	-
TULARE	7,957	86	395	4,418	2,939	119	-
TUOLUMNE	477	6	14	241	211	5	-
VENTURA	11,954	153	683	6,563	4,411	144	-
YOLO	2,404	18	118	1,143	1,062	62	1
YUBA	1,184	12	71	588	494	19	-

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.



TABLE 2-28. PERCENT OF LIVE BIRTHS WITH SELECTED DEMOGRAPHIC CHARACTERISTICS, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence).

COUNTY	PERCENT OF BIRTHS BY DEMOGRAPHIC CHARACTERISTICS						
	Mothers Under 20 Years of Age	Mothers Completing 12 Years or More of School	Mothers Born in the United States	Unmarried Mothers	Fourth or Higher Birth Order	Fathers Under 20 Years of Age	Fathers Completing 12 Years or More of School
<b>CALIFORNIA</b>	<b>9.3</b>	<b>71.9</b>	<b>53.2</b>	<b>34.4</b>	<b>12.0</b>	<b>3.5</b>	<b>72.5</b>
ALAMEDA	5.9	80.6	47.5	27.5	7.6	2.2	81.1
Berkeley <sup>1</sup>	2.1	93.2	68.3	19.8	4.1	0.7	92.1
ALPINE	-	87.5	100.0	a	a	-	100.0
AMADOR	11.8	81.6	92.0	28.2	11.5	3.7	86.0
BUTTE	10.7	80.4	84.4	37.0	12.4	4.4	82.1
CALAVERAS	12.7	85.0	93.8	23.3	9.3	2.0	86.7
COLUSA	11.6	62.0	46.7	30.4	13.0	4.3	51.4
CONTRA COSTA	6.2	81.1	59.8	27.1	9.2	2.1	81.1
DEL NORTE	15.1	78.6	84.2	43.2	18.9	5.1	77.3
EL DORADO	6.4	87.0	80.4	25.8	8.5	1.7	86.8
FRESNO	14.0	63.0	61.0	44.3	17.4	6.0	62.8
GLENN	12.8	60.7	64.8	36.7	16.6	3.9	56.9
HUMBOLDT	10.3	81.8	88.2	43.1	9.6	4.2	83.3
IMPERIAL	15.1	70.6	50.8	42.3	12.7	6.7	75.1
INYO	9.8	79.1	72.4	37.4	13.6	2.5	83.1
KERN	14.9	68.8	64.6	43.1	19.2	6.1	70.0
KINGS	14.2	70.7	69.8	39.7	14.1	6.5	70.0
LAKE	12.2	75.1	83.2	45.6	15.6	4.3	73.7
LASSEN	15.9	89.3	92.3	14.0	15.6	5.5	86.1
LOS ANGELES	9.5	66.8	44.3	39.8	12.4	3.7	67.6
Long Beach <sup>1</sup>	11.3	64.6	50.6	45.9	14.4	4.6	67.1
Pasadena <sup>1</sup>	6.8	80.6	51.6	25.8	8.6	2.8	82.3
MADERA	14.2	56.4	54.9	45.9	18.0	5.8	54.3
MARIN	3.0	83.5	63.0	14.4	4.7	0.7	81.4
MARIPOSA	8.7	87.2	92.7	25.3	10.0	3.6	84.1
MENDOCINO	11.6	72.5	70.2	43.7	14.0	4.0	71.5
MERCED	13.2	65.7	57.9	40.7	17.2	5.3	63.3
MODOC	10.6	76.8	87.1	11.8	21.2	a	79.2
MONO	4.1	67.1	51.8	10.0	11.8	a	65.0
MONTEREY	11.7	54.5	43.3	39.2	12.4	4.3	52.5
NAPA	7.8	67.9	52.7	26.4	9.4	2.1	65.1
NEVADA	7.9	87.6	87.1	27.9	8.8	1.8	86.8
ORANGE	7.0	71.6	45.1	27.7	10.8	2.2	72.4
PLACER	4.9	89.8	79.3	18.8	9.0	1.6	89.7
PLUMAS	5.8	86.1	93.0	17.3	12.7	a	86.5
RIVERSIDE	10.8	71.4	60.5	36.1	15.2	4.4	71.5
SACRAMENTO	9.0	79.9	64.7	33.4	13.4	3.3	81.2
SAN BENITO	9.8	70.3	58.4	33.6	11.4	2.8	67.7
SAN BERNARDINO	12.1	70.0	64.3	40.8	15.5	5.1	71.2
SAN DIEGO	8.3	79.3	57.5	28.9	9.6	2.9	81.4
SAN FRANCISCO	3.6	84.2	48.1	24.4	4.8	1.2	83.8
SAN JOAQUIN	12.0	68.9	58.5	39.5	15.9	4.8	68.8
SAN LUIS OBISPO	8.0	81.2	72.6	30.0	9.3	2.7	81.5
SAN MATEO	4.5	81.5	45.7	18.9	6.6	1.4	80.3
SANTA BARBARA	10.1	61.0	49.9	32.1	12.5	3.6	60.4
SANTA CLARA	5.2	80.3	39.0	22.9	7.1	1.6	81.9
SANTA CRUZ	8.9	65.6	54.9	32.2	9.4	2.8	63.9
SHASTA	11.9	84.6	92.4	38.4	11.2	5.3	86.9
SIERRA	a	100.0	88.9	38.9	a	-	92.9
SISKIYOU	12.6	78.7	87.7	40.4	14.1	6.4	78.5
SOLANO	8.1	80.5	66.6	33.2	10.9	2.8	80.4
SONOMA	8.0	71.3	60.1	31.5	8.5	2.5	69.3
STANISLAUS	12.2	70.5	61.9	38.0	13.6	4.4	70.3
SUTTER	9.7	71.3	59.8	31.0	13.2	2.4	72.2
TEHAMA	16.4	74.1	78.3	39.0	13.3	4.5	70.6
TRINITY	7.3	90.0	94.5	41.8	13.6	a	88.8
TULARE	15.7	59.3	58.6	44.4	17.6	6.0	57.0
TUOLUMNE	9.4	88.5	94.3	35.6	11.6	2.5	86.5
VENTURA	8.2	71.3	55.9	28.8	11.4	2.7	71.1
YOLO	9.0	75.5	56.9	27.0	10.2	3.8	74.4
YUBA	13.9	69.8	73.8	35.4	15.5	5.9	69.2

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

a Percents not calculated for fewer than 5 events.

Note: Births with unknown values were subtracted from total births before percentages were calculated.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-29. LIVE BIRTHS BY AGE OF MOTHER (DETAILED UNDER AGE 20), CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004  
(By Place of Residence)

COUNTY	TOTAL	AGE OF MOTHER														UNKNOWN
		UNDER 15	15-19 BY SINGLE YEAR					15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER		
			15	16	17	18	19									
CALIFORNIA	544,685	696	2,223	5,270	8,770	14,218	19,256	49,737	124,309	141,608	134,578	74,580	17,926	1,201	50	
ALAMEDA	20,919	16	59	118	220	334	497	1,228	3,648	5,292	6,265	3,530	881	57	2	
Berkeley <sup>1</sup>	946	-	-	3	5	6	6	20	67	155	354	240	100	10	-	
ALPINE	8	-	-	-	-	-	-	-	2	1	2	3	-	-	-	
AMADOR	262	-	2	1	3	9	16	31	76	72	43	30	10	-	-	
BUTTE	2,354	1	8	26	40	75	103	252	666	649	479	256	49	2	-	
CALAVERAS	322	-	-	3	6	14	18	41	78	96	68	27	11	1	-	
COLUSA	345	-	-	3	6	13	18	40	109	88	64	41	2	1	-	
CONTRA COSTA	13,279	12	44	85	111	245	322	807	2,350	3,288	3,845	2,378	568	31	-	
DEL NORTE	285	-	-	3	5	15	20	43	96	70	42	29	5	-	-	
EL DORADO	1,897	-	3	10	20	37	52	122	354	467	555	311	83	5	-	
FRESNO	15,896	36	128	255	388	655	764	2,190	4,788	4,161	2,916	1,435	343	27	-	
GLENN	398	1	4	1	9	11	25	50	127	103	71	43	3	-	-	
HUMBOLDT	1,509	-	5	13	28	51	59	156	439	421	304	148	38	3	-	
IMPERIAL	2,861	8	22	52	84	120	146	424	811	736	557	272	51	2	-	
INYO	214	-	1	-	2	6	12	21	55	65	45	21	6	1	-	
KERN	13,455	25	101	226	334	567	752	1,980	4,005	3,691	2,418	1,057	270	7	2	
KINGS	2,549	4	12	34	65	98	148	357	873	682	435	168	29	-	1	
LAKE	686	2	5	7	15	27	28	82	217	189	114	65	17	-	-	
LASSEN	301	-	-	1	2	14	31	48	103	72	48	23	6	1	-	
LOS ANGELES	151,504	205	679	1,552	2,551	4,074	5,326	14,182	33,450	39,165	37,430	21,293	5,397	361	21	
Long Beach <sup>1</sup>	7,884	15	46	107	148	252	323	876	1,957	2,023	1,849	924	227	12	1	
Pasadena <sup>1</sup>	2,275	-	5	19	24	44	62	154	330	499	712	453	118	9	-	
MADERA	2,346	7	12	42	62	93	117	326	712	629	414	207	50	1	-	
MARIN	2,792	2	3	7	9	26	37	82	289	430	903	827	230	29	-	
MARIPOSA	150	-	-	2	2	6	3	13	39	46	24	20	8	-	-	
MENDOCINO	1,125	-	9	11	20	38	52	130	331	325	204	104	28	3	-	
MERCED	4,296	6	24	51	95	170	219	559	1,328	1,262	714	341	77	9	-	
MODOC	85	-	-	-	-	3	6	9	27	24	17	6	2	-	-	
MONO	170	-	-	-	3	1	3	7	53	36	43	24	7	-	-	
MONTEREY	7,396	17	31	89	157	240	333	850	2,073	1,963	1,550	750	185	8	-	
NAPA	1,604	1	5	9	22	41	47	124	358	379	432	249	60	1	-	
NEVADA	818	1	1	3	8	19	33	64	158	205	198	143	47	1	1	
ORANGE	45,060	51	140	326	556	834	1,227	3,083	8,358	11,336	12,999	7,425	1,706	99	3	
PLACER	3,797	3	1	13	24	51	93	182	692	1,002	1,117	643	152	6	-	
PLUMAS	173	-	1	2	1	3	3	10	50	60	30	18	5	-	-	
RIVERSIDE	29,545	46	133	317	565	928	1,205	3,148	7,750	8,119	6,591	3,136	704	49	2	
SACRAMENTO	20,836	30	71	181	309	543	742	1,846	4,969	5,709	5,103	2,567	569	39	4	
SAN BENITO	887	-	7	6	13	33	28	87	213	242	206	109	25	3	2	
SAN BERNARDINO	31,914	51	141	445	685	1,054	1,472	3,797	9,112	8,755	6,461	3,032	651	48	7	
SAN DIEGO	45,758	47	162	366	635	1,016	1,559	3,738	10,674	11,861	11,609	6,229	1,464	135	1	
SAN FRANCISCO	8,579	4	11	30	52	84	129	306	1,000	1,665	2,954	2,084	532	34	-	
SAN JOAQUIN	11,010	16	60	171	248	363	462	1,304	2,995	3,038	2,243	1,138	257	19	-	
SAN LUIS OBISPO	2,694	3	10	12	30	64	96	212	601	784	622	370	96	6	-	
SAN MATEO	10,089	2	11	57	82	128	174	452	1,412	2,171	3,196	2,249	576	31	-	
SANTA BARBARA	6,209	13	29	74	118	177	214	612	1,551	1,612	1,379	823	207	10	2	
SANTA CLARA	26,537	16	49	129	247	395	546	1,366	4,041	6,853	8,379	4,805	1,008	69	-	
SANTA CRUZ	3,399	3	19	28	57	92	105	301	735	827	840	528	154	11	-	
SHASTA	2,046	1	5	21	48	63	105	242	648	569	361	173	48	4	-	
SIERRA	18	-	-	-	-	-	1	1	6	3	5	3	-	-	-	
SISKIYOU	467	1	-	9	8	21	20	58	160	125	62	46	15	-	-	
SOLANO	5,688	5	10	53	83	124	188	458	1,458	1,611	1,326	681	140	9	-	
SONOMA	5,964	8	16	49	65	147	195	472	1,313	1,541	1,505	866	243	16	-	
STANISLAUS	8,061	9	44	93	182	273	381	973	2,221	2,302	1,651	750	140	13	2	
SUTTER	1,342	-	6	8	17	30	69	130	378	400	271	132	28	3	-	
TEHAMA	700	2	5	7	22	34	45	113	242	186	114	39	4	-	-	
TRINITY	110	-	1	-	2	2	3	8	39	30	20	9	4	-	-	
TULARE	7,957	20	64	133	227	366	441	1,231	2,391	2,161	1,362	637	148	7	-	
TUOLUMNE	477	-	1	6	5	10	23	45	146	132	99	43	9	3	-	
VENTURA	11,954	15	45	104	155	276	390	970	2,602	2,975	3,046	1,842	471	33	-	
YOLO	2,404	3	14	12	39	52	96	213	515	624	638	321	88	2	-	
YUBA	1,184	3	9	14	28	53	57	161	422	308	189	81	19	1	-	

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-30. GENERAL FERTILITY RATE AND BIRTH RATES BY AGE OF MOTHER, CALIFORNIA COUNTIES, 2004  
(By Place of Residence)

(General fertility rates are live births per 1,000 women of childbearing age (15-44 years). Birth rates are live births per 1,000 female population in specified age groups. County specific birth rates use live births and population size for each specific county.)

COUNTY	GENERAL FERTILITY RATE	COUNTY SPECIFIC BIRTH RATE BY AGE OF MOTHER							
		Under 15 <sup>1</sup>	15-19	20-24	25-29	30-34	35-39	40-44	45 and Above <sup>2</sup>
<b>CALIFORNIA</b>	<b>69.3</b>	<b>0.5</b>	<b>38.1</b>	<b>100.9</b>	<b>118.4</b>	<b>100.9</b>	<b>54.6</b>	<b>12.6</b>	<b>0.9</b>
ALAMEDA	59.2	0.3	25.9	73.3	89.0	92.4	54.2	13.8	1.0
ALPINE	b	-	-	a,b	a,b	a,b	a,b	-	-
AMADOR	50.2	-	26.9	b	b	b	b	7.4	-
BUTTE	52.8	a	27.2	60.7	99.8	95.5	47.3	6.6	a
CALAVERAS	46.2	-	24.6	b	b	b	23.0	6.4	a
COLUSA	81.4	-	b	b	b	b	b	a,b	a,b
CONTRA COSTA	62.2	0.3	22.0	81.1	125.1	110.8	57.9	12.4	0.7
DEL NORTE	58.1	-	39.6	b	b	b	b	4.8	-
EL DORADO	58.7	-	17.4	76.5	169.3	136.0	53.9	10.3	0.6
FRESNO	83.2	1.0	58.0	132.0	132.4	103.5	51.4	11.6	1.0
GLENN	71.4	a	43.0	110.6	b	b	b	a,b	-
HUMBOLDT	54.3	-	30.3	70.2	103.4	77.7	39.2	8.2	a
IMPERIAL	88.9	1.2	58.4	146.3	195.8	119.7	51.7	8.9	a
INYO	67.2	-	b	b	b	b	b	b	a,b
KERN	90.2	0.8	65.8	151.3	172.7	111.8	45.7	10.2	0.3
KINGS	95.7	a	71.1	201.7	177.3	103.4	36.8	6.2	-
LAKE	62.7	a	33.3	155.7	b	70.6	31.2	6.8	-
LASSEN	57.9	-	44.0	b	b	b	b	5.9	a
LOS ANGELES	69.6	0.5	40.9	101.5	115.7	98.0	54.7	13.8	1.0
MADERA	75.5	1.3	64.1	129.9	129.7	81.5	38.5	9.6	a
MARIN	64.6	a	12.0	55.8	94.9	132.2	91.8	21.2	2.5
MARIPOSA	49.3	-	b	b	b	b	b	b	-
MENDOCINO	67.1	-	38.0	107.1	141.2	84.4	43.2	9.0	a
MERCED	81.5	0.5	51.0	135.9	162.7	91.8	42.9	9.0	1.2
MODOC	51.9	-	b	b	b	b	b	a,b	-
MONO	65.6	-	b	b	b	b	b	b	-
MONTEREY	83.6	1.1	55.7	139.1	134.5	103.1	52.5	12.8	0.6
NAPA	64.0	a	28.2	87.1	112.1	112.0	57.0	12.1	a
NEVADA	45.6	a	16.9	51.4	99.7	84.7	50.2	12.2	a
ORANGE	67.5	0.4	30.0	84.1	112.8	110.6	60.6	13.7	0.9
PLACER	65.6	a	16.3	93.7	197.0	126.2	55.6	11.0	0.5
PLUMAS	50.4	-	b	b	b	b	b	b	-
RIVERSIDE	77.5	0.6	42.5	126.7	156.0	110.0	47.5	10.3	0.8
SACRAMENTO	67.9	0.6	36.4	103.1	107.3	93.6	52.7	11.1	0.8
SAN BENITO	71.4	-	38.1	109.1	156.9	106.0	48.6	10.2	a
SAN BERNARDINO	73.1	0.6	45.1	130.1	132.7	88.0	42.5	9.1	0.7
SAN DIEGO	66.0	0.5	35.5	93.0	96.2	98.2	55.0	12.4	1.2
SAN FRANCISCO	46.7	a	20.5	57.9	49.7	60.4	53.5	17.7	1.3
SAN JOAQUIN	78.9	0.6	47.8	122.5	146.3	105.4	52.3	10.7	0.9
SAN LUIS OBISPO	54.0	a	20.6	53.9	112.9	112.4	55.5	10.3	0.6
SAN MATEO	68.7	a	21.8	75.0	104.1	118.5	77.9	18.8	1.1
SANTA BARBARA	68.3	0.9	39.5	79.9	111.1	104.0	61.8	13.8	0.7
SANTA CLARA	72.8	0.3	25.8	79.8	135.3	127.0	68.0	13.7	1.0
SANTA CRUZ	60.7	a	31.7	71.8	96.1	100.1	58.6	15.1	1.0
SHASTA	60.0	a	36.6	92.9	110.4	81.5	36.2	7.8	a
SIERRA	b	-	a,b	b	a,b	b	a,b	-	-
SISKIYOU	62.0	a	33.4	104.7	b	b	43.2	9.2	-
SOLANO	66.4	0.3	29.6	100.4	127.9	103.3	49.6	8.5	0.5
SONOMA	63.0	0.5	28.5	81.1	116.1	109.4	55.6	12.6	0.8
STANISLAUS	73.2	0.4	45.6	114.0	138.8	98.1	43.6	7.5	0.7
SUTTER	73.4	-	37.9	116.7	151.1	97.8	44.0	8.7	a
TEHAMA	62.4	a	49.2	110.1	123.4	78.8	23.7	a	-
TRINITY	50.7	-	b	b	b	b	b	a,b	-
TULARE	91.6	1.1	69.5	149.2	161.9	103.6	48.6	11.0	0.6
TUOLUMNE	53.5	-	23.7	106.4	b	85.4	27.1	4.4	a
VENTURA	71.9	0.5	32.6	114.7	158.2	115.9	56.4	13.1	1.0
YOLO	49.9	a	22.1	43.9	93.6	95.1	49.1	12.8	a
YUBA	87.4	a	59.7	177.2	149.8	98.4	38.7	7.9	a

<sup>1</sup> For women under 15, the birth rate is calculated using female population 10-14 years of age.

<sup>2</sup> For women 45 years and above, the birth rate is calculated using the female population 45-49 years of age.

- Represents zero events.

a Rates are not calculated for fewer than five live births.

b Rates are not calculated for counties with fewer than 1,000 population in a specific age group.

Source: State of California, Department of Health Services, Birth Records.

State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050. Sacramento, CA, May 2004. See Chapter 6 for all population estimates used in this report.

TABLE 2-31. BIRTH RATES BY YEAR OF AGE FOR TEENAGE MOTHERS, CALIFORNIA COUNTIES, 2004  
(By Place of Residence) (Birth rates are live births per 1,000 women in specified age groups.)

COUNTY	BIRTH RATE BY AGE OF MOTHER						
	Under 15 <sup>1</sup>	15	16	17	18	19	15-19
<b>CALIFORNIA</b>	<b>0.5</b>	<b>8.2</b>	<b>20.0</b>	<b>34.2</b>	<b>55.2</b>	<b>74.8</b>	<b>38.1</b>
ALAMEDA	0.3	6.1	12.1	23.5	36.4	53.3	25.9
ALPINE	-	-	-	-	-	-	-
AMADOR	-	a,b	a,b	a,b	b	b	26.9
BUTTE	a	5.2	16.9	25.2	35.0	41.9	27.2
CALAVERAS	-	-	a,b	b	b	b	24.6
COLUSA	-	-	a,b	b	b	b	b
CONTRA COSTA	0.3	5.7	11.4	15.3	34.2	46.0	22.0
DEL NORTE	-	-	a,b	b	b	b	39.6
EL DORADO	-	a	7.0	14.3	27.2	38.7	17.4
FRESNO	1.0	16.5	33.4	52.2	87.5	102.8	58.0
GLENN	a	a,b	a,b	b	b	b	43.0
HUMBOLDT	-	b	b	b	40.8	45.6	30.3
IMPERIAL	1.2	14.8	35.1	57.0	82.4	106.8	58.4
INYO	-	a,b	-	a,b	b	b	b
KERN	0.8	16.4	37.4	55.6	94.0	127.8	65.8
KINGS	a	11.4	33.7	b	b	b	71.1
LAKE	a	b	b	b	b	b	33.3
LASSEN	-	-	a,b	a,b	b	b	44.0
LOS ANGELES	0.5	9.2	21.8	37.1	60.6	81.1	40.9
MADERA	1.3	11.7	b	61.9	90.8	112.1	64.1
MARIN	a	a	5.1	6.7	19.3	27.5	12.0
MARIPOSA	-	-	a,b	a,b	b	a,b	b
MENDOCINO	-	b	b	b	b	b	38.0
MERCED	0.5	10.8	23.4	44.0	79.1	97.1	51.0
MODOC	-	-	-	-	a,b	b	b
MONO	-	-	-	a,b	a,b	a,b	b
MONTEREY	1.1	9.8	29.1	51.3	80.7	111.3	55.7
NAPA	a	b	b	b	b	b	28.2
NEVADA	a	a,b	a,b	b	b	b	16.9
ORANGE	0.4	6.5	15.6	27.8	41.2	61.4	30.0
PLACER	a	a	5.7	10.9	23.1	43.9	16.3
PLUMAS	-	a,b	a,b	a,b	a,b	a,b	b
RIVERSIDE	0.6	8.5	20.9	39.0	63.8	85.6	42.5
SACRAMENTO	0.6	6.7	17.6	31.2	54.3	75.0	36.4
SAN BENITO	-	b	b	b	b	b	38.1
SAN BERNARDINO	0.6	7.9	25.6	41.0	64.5	92.6	45.1
SAN DIEGO	0.5	7.5	17.2	30.6	49.0	74.7	35.5
SAN FRANCISCO	a	3.7	10.1	17.9	27.8	42.3	20.5
SAN JOAQUIN	0.6	10.7	31.3	45.8	66.3	87.2	47.8
SAN LUIS OBISPO	a	5.9	7.4	18.5	25.4	33.7	20.6
SAN MATEO	a	2.5	13.8	19.8	31.4	43.7	21.8
SANTA BARBARA	0.9	10.0	26.5	43.3	65.4	49.0	39.5
SANTA CLARA	0.3	4.4	11.9	23.5	38.9	53.3	25.8
SANTA CRUZ	a	11.1	16.4	34.4	45.8	43.3	31.7
SHASTA	a	3.9	16.0	37.5	46.6	76.3	36.6
SIERRA	-	-	-	-	-	a,b	a,b
SISKIYOU	a	-	b	b	b	b	33.4
SOLANO	0.3	3.1	17.0	27.3	41.0	60.7	29.6
SONOMA	0.5	4.9	15.2	20.1	42.3	58.2	28.5
STANISLAUS	0.4	9.9	21.6	42.4	65.6	92.1	45.6
SUTTER	-	b	b	b	b	b	37.9
TEHAMA	a	b	b	b	b	b	49.2
TRINITY	-	a,b	-	a,b	a,b	a,b	b
TULARE	1.1	17.6	38.4	64.7	103.0	124.8	69.5
TUOLUMNE	-	a,b	b	b	b	b	23.7
VENTURA	0.5	7.1	17.0	26.1	47.4	70.7	32.6
YOLO	a	10.1	8.6	28.8	21.4	31.2	22.1
YUBA	a	b	b	b	b	b	59.7

<sup>1</sup> For women under 15, the rate is calculated using the female population 10-14 years of age.

- Represents zero births.

a Rates are not calculated for fewer than 5 live births.

b Rates are not calculated for counties with fewer than 1,000 population in a specific age group.

Source: State of California, Department of Health Services, Birth Records.

State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050.

Sacramento, CA. May 2004.

TABLE 2-32. LIVE BIRTHS BY AGE OF FATHER (DETAILED UNDER AGE 20), CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence).

COUNTY	TOTAL	TOTAL UNDER 20	PERCENT UNDER 20	AGE OF FATHER								
				UNDER 15	15	16	17	18	19	20-24	25 AND ABOVE	UNKNOWN
<b>CALIFORNIA</b>	<b>544,685</b>	<b>17,507</b>	<b>3.2</b>	<b>69</b>	<b>328</b>	<b>1,018</b>	<b>2,502</b>	<b>5,183</b>	<b>8,407</b>	<b>84,052</b>	<b>403,438</b>	<b>39,688</b>
ALAMEDA	20,919	436	2.1	2	9	22	51	133	219	2,164	17,127	1,192
Berkeley <sup>1</sup>	946	6	0.6	1	-	-	-	4	1	48	848	44
ALPINE	8	-	-	-	-	-	-	-	-	1	6	1
AMADOR	262	9	3.4	-	-	-	1	4	4	47	187	19
BUTTE	2,354	94	4.0	-	1	2	13	28	50	427	1,630	203
CALAVERAS	322	6	1.9	-	-	-	-	-	6	60	237	19
COLUSA	345	14	4.1	-	1	1	4	2	6	72	240	19
CONTRA COSTA	13,279	259	2.0	1	9	14	33	69	133	1,541	10,814	665
DEL NORTE	285	13	4.6	-	-	-	1	4	8	80	162	30
EL DORADO	1,897	31	1.6	-	-	-	5	8	18	235	1,520	111
FRESNO	15,896	843	5.3	7	14	53	136	251	382	3,293	9,968	1,792
GLENN	398	14	3.5	-	-	1	2	6	5	77	270	37
HUMBOLDT	1,509	57	3.8	-	-	4	5	19	29	274	1,038	140
IMPERIAL	2,861	171	6.0	1	8	9	17	54	82	596	1,793	301
INYO	214	5	2.3	-	-	-	-	-	5	31	162	16
KERN	13,455	722	5.4	2	13	56	100	216	335	2,809	8,257	1,667
KINGS	2,549	153	6.0	-	-	9	18	47	79	688	1,506	202
LAKE	686	27	3.9	-	1	3	2	8	13	135	460	64
LASSEN	301	15	5.0	-	-	1	2	3	9	73	186	27
LOS ANGELES	151,504	5,111	3.4	23	94	291	770	1,504	2,429	22,408	111,796	12,189
Long Beach <sup>1</sup>	7,884	323	4.1	1	4	21	44	100	153	1,281	5,447	833
Pasadena <sup>1</sup>	2,275	60	2.6	-	3	5	10	14	28	233	1,855	127
MADERA	2,346	124	5.3	-	3	8	18	37	58	533	1,498	191
MARIN	2,792	20	0.7	-	-	-	2	5	13	192	2,480	100
MARIPOSA	150	5	3.3	-	-	1	-	1	3	22	112	11
MENDOCINO	1,125	41	3.6	-	-	3	4	10	24	209	781	94
MERCED	4,296	206	4.8	1	6	9	22	63	105	949	2,743	398
MODOC	85	2	a	-	-	1	-	1	-	19	58	6
MONO	170	2	a	-	-	-	-	1	1	24	133	11
MONTEREY	7,396	297	4.0	1	4	12	43	100	137	1,560	5,056	483
NAPA	1,604	33	2.1	-	-	-	5	13	15	218	1,293	60
NEVADA	818	14	1.7	-	-	2	2	3	7	115	642	47
ORANGE	45,060	959	2.1	7	22	67	128	284	451	5,416	36,276	2,409
PLACER	3,797	59	1.6	-	-	3	14	13	29	462	3,148	128
PLUMAS	173	4	a	-	-	-	-	2	2	31	124	14
RIVERSIDE	29,545	1,202	4.1	2	28	70	166	365	571	5,363	20,981	1,999
SACRAMENTO	20,836	639	3.1	2	16	30	91	190	310	3,201	15,272	1,724
SAN BENITO	887	23	2.6	-	1	1	3	8	10	153	645	66
SAN BERNARDINO	31,914	1,486	4.7	6	31	96	202	458	693	6,441	21,414	2,573
SAN DIEGO	45,758	1,231	2.7	3	12	58	162	374	622	7,421	33,923	3,183
SAN FRANCISCO	8,579	94	1.1	-	1	2	12	28	51	622	7,369	494
SAN JOAQUIN	11,010	484	4.4	3	9	36	87	130	219	2,062	7,519	945
SAN LUIS OBISPO	2,694	69	2.6	-	1	4	6	23	35	437	2,071	117
SAN MATEO	10,089	137	1.4	1	3	6	24	32	71	831	8,705	416
SANTA BARBARA	6,209	212	3.4	2	3	8	34	65	100	1,127	4,500	370
SANTA CLARA	26,537	393	1.5	2	5	17	69	131	169	2,396	22,335	1,413
SANTA CRUZ	3,399	90	2.6	-	1	7	8	20	54	503	2,601	205
SHASTA	2,046	98	4.8	-	2	6	21	23	46	412	1,349	187
SIERRA	18	-	-	-	-	-	-	-	-	4	10	4
SISKIYOU	467	27	5.8	1	-	2	3	6	15	97	296	47
SOLANO	5,688	151	2.7	-	2	11	17	48	73	1,024	4,225	288
SONOMA	5,964	141	2.4	-	1	10	14	33	83	880	4,607	336
STANISLAUS	8,061	324	4.0	-	6	21	44	92	161	1,532	5,533	672
SUTTER	1,342	30	2.2	-	-	1	6	8	15	265	957	90
TEHAMA	700	29	4.1	-	1	-	5	5	18	188	421	62
TRINITY	110	4	a	-	-	-	-	-	4	22	72	12
TULARE	7,957	433	5.4	1	13	28	59	118	214	1,797	4,969	758
TUOLUMNE	477	11	2.3	-	-	-	1	5	5	113	323	30
VENTURA	11,954	303	2.5	1	5	25	47	96	129	1,755	9,090	806
YOLO	2,404	86	3.6	-	1	4	15	22	44	344	1,832	142
YUBA	1,184	64	5.4	-	1	3	8	14	38	301	716	103

<sup>1</sup> City Health Department numbers are included in their respective county totals.

a Percents not calculated for fewer than 5 events.

- Represents zero events.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-33. LIVE BIRTHS BY RACE/ETHNIC GROUP<sup>1</sup> OF MOTHER, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence)

COUNTY	TOTAL	RACE/ETHNIC GROUP OF MOTHER								
		HISPANIC	NON-HISPANIC							
			2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER RACE	UNKNOWN
CALIFORNIA	544,685	275,188	7,162	2,073	62,122	28,679	2,543	158,992	187	7,739
ALAMEDA	20,919	6,377	400	51	5,511	2,472	196	5,541	9	362
Berkeley <sup>z</sup>	946	114	27	4	133	99	-	548	-	21
ALPINE	8	-	-	5	-	-	-	3	-	-
AMADOR	262	36	6	3	5	-	-	211	-	1
BUTTE	2,354	455	76	42	127	28	5	1,610	-	11
CALAVERAS	322	43	16	4	3	3	-	250	-	3
COLUSA	345	236	3	5	4	3	-	94	-	-
CONTRA COSTA	13,279	4,305	229	30	1,723	1,146	99	5,103	4	640
DEL NORTE	285	56	14	19	10	-	-	186	-	-
EL DORADO	1,897	384	34	6	70	11	2	1,372	-	18
FRESNO	15,896	9,797	110	100	1,390	764	17	3,684	3	31
GLENN	398	185	5	8	8	2	-	187	-	3
HUMBOLDT	1,509	199	52	110	43	9	8	1,074	-	14
IMPERIAL	2,861	2,541	11	5	35	14	2	244	1	8
INYO	214	69	8	29	3	-	-	105	-	-
KERN	13,455	7,886	133	69	438	689	15	4,193	4	28
KINGS	2,549	1,415	32	16	83	128	10	858	2	5
LAKE	686	153	12	30	8	10	1	469	-	3
LASSEN	301	40	4	11	9	1	1	234	-	1
LOS ANGELES	151,504	94,894	1,515	212	15,654	11,041	550	26,938	74	626
Long Beach <sup>z</sup>	7,884	4,403	128	18	861	1,006	128	1,312	4	24
Pasadena <sup>z</sup>	2,275	989	29	3	342	203	3	676	2	28
MADERA	2,346	1,646	11	23	26	47	1	589	-	3
MARIN	2,792	717	27	2	193	48	8	1,782	1	14
MARIPOSA	150	12	3	4	2	-	1	127	-	1
MENDOCINO	1,125	407	22	80	10	4	1	585	-	16
MERCED	4,296	2,695	42	13	308	118	6	1,101	3	10
MODOC	85	9	-	3	1	-	1	71	-	-
MONO	170	89	-	2	2	-	-	76	1	-
MONTEREY	7,396	5,389	76	13	323	94	30	1,442	2	27
NAPA	1,604	812	19	5	81	15	5	658	1	8
NEVADA	818	121	11	3	9	1	-	672	-	1
ORANGE	45,060	22,381	420	72	6,862	440	170	14,239	7	469
PLACER	3,797	722	99	19	250	25	10	2,666	1	5
PLUMAS	173	21	4	7	3	1	1	132	-	4
RIVERSIDE	29,545	17,052	362	152	1,328	1,349	93	9,034	7	168
SACRAMENTO	20,836	5,848	623	112	3,100	2,023	204	8,814	10	102
SAN BENITO	887	612	5	1	25	4	1	230	-	9
SAN BERNARDINO	31,914	18,338	407	111	1,582	2,624	138	8,649	6	59
SAN DIEGO	45,758	19,777	721	206	4,233	2,077	294	15,786	5	2,659
SAN FRANCISCO	8,579	1,755	135	13	2,795	574	72	3,199	6	30
SAN JOAQUIN	11,010	5,283	217	32	1,568	782	47	3,004	7	70
SAN LUIS OBISPO	2,694	912	39	14	83	12	5	1,595	-	34
SAN MATEO	10,089	3,312	162	18	2,484	229	196	3,557	3	128
SANTA BARBARA	6,209	3,951	74	12	227	85	10	1,824	2	24
SANTA CLARA	26,537	9,275	308	58	8,432	513	163	6,563	1	1,224
SANTA CRUZ	3,399	1,906	24	7	90	11	4	1,287	-	70
SHASTA	2,046	197	28	59	91	26	7	1,631	2	5
SIERRA	18	2	-	-	1	-	-	15	-	-
SISKIYOU	467	83	10	29	12	4	2	324	-	3
SOLANO	5,688	1,837	170	21	750	711	67	2,084	2	46
SONOMA	5,964	2,442	101	63	271	86	15	2,907	1	78
STANISLAUS	8,061	4,306	135	19	377	156	35	2,917	13	103
SUTTER	1,342	545	20	10	192	11	2	561	-	1
TEHAMA	700	223	13	13	3	2	1	442	1	2
TRINITY	110	13	-	9	-	-	-	88	-	-
TULARE	7,957	5,614	38	52	213	78	4	1,843	4	111
TUOLUMNE	477	62	11	12	5	1	-	386	-	-
VENTURA	11,954	6,351	93	21	742	127	24	4,101	3	492
YOLO	2,404	1,035	42	13	235	54	13	1,005	1	6
YUBA	1,184	365	30	15	89	26	6	650	-	3

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). See Chapter 6.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>2</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.



TABLE 2-34. LIVE BIRTHS TO UNMARRIED WOMEN BY RACE/ETHNIC GROUP<sup>1</sup> OF MOTHER, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence)

COUNTY	TOTAL	RACE/ETHNIC GROUP OF MOTHER								
		HISPANIC	NON-HISPANIC							
			2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER RACE	UNKNOWN
<b>CALIFORNIA</b>	<b>187,415</b>	<b>122,493</b>	<b>2,965</b>	<b>1,139</b>	<b>7,579</b>	<b>18,265</b>	<b>820</b>	<b>32,037</b>	<b>70</b>	<b>2,047</b>
ALAMEDA	5,758	2,441	145	20	503	1,640	49	907	4	49
Berkeley <sup>2</sup>	187	30	8	2	13	69	-	61	-	4
ALPINE	4	-	-	4	-	-	-	-	-	-
AMADOR	74	12	2	1	-	-	-	59	-	-
BUTTE	871	172	47	25	34	21	3	566	-	3
CALAVERAS	75	12	8	1	1	2	-	51	-	-
COLUSA	105	73	2	4	-	2	-	24	-	-
CONTRA COSTA	3,600	1,633	100	11	195	723	23	789	1	125
DEL NORTE	123	28	8	9	2	-	-	76	-	-
EL DORADO	490	135	11	3	7	4	2	326	-	2
FRESNO	7,034	4,962	59	58	388	555	5	995	2	10
GLENN	146	72	2	5	4	2	-	59	-	2
HUMBOLDT	650	86	30	73	9	3	4	440	-	5
IMPERIAL	1,209	1,103	6	3	3	9	1	81	1	2
INYO	80	24	6	21	-	-	-	29	-	-
KERN	5,799	3,733	65	32	83	478	6	1,391	3	8
KINGS	1,012	674	9	9	15	76	2	223	1	3
LAKE	313	55	9	19	1	7	1	220	-	1
LASSEN	42	6	1	1	-	-	1	32	-	1
LOS ANGELES	60,243	45,482	582	122	1,847	7,408	202	4,334	30	236
Long Beach <sup>2</sup>	3,618	2,130	72	10	284	721	57	331	1	12
Pasadena <sup>2</sup>	586	393	9	1	12	118	-	47	-	6
MADERA	1,076	836	7	13	4	32	-	184	-	-
MARIN	402	214	4	-	11	20	4	146	-	3
MARIPOSA	38	4	2	2	-	-	1	29	-	-
MENDOCINO	492	158	15	64	2	2	-	246	-	5
MERCED	1,746	1,205	19	5	76	84	1	353	-	3
MODOC	10	1	-	-	-	-	1	8	-	-
MONO	17	8	-	1	1	-	-	7	-	-
MONTEREY	2,901	2,480	28	6	57	50	8	261	1	10
NAPA	423	257	5	3	8	6	1	139	1	3
NEVADA	228	33	4	-	1	1	-	189	-	-
ORANGE	12,489	9,486	124	30	539	190	63	1,920	1	136
PLACER	714	231	28	9	26	8	3	407	-	2
PLUMAS	30	4	-	3	-	1	1	21	-	-
RIVERSIDE	10,662	7,143	159	95	156	777	23	2,260	3	46
SACRAMENTO	6,965	2,430	326	60	682	1,330	44	2,054	4	35
SAN BENITO	298	251	3	-	2	1	-	39	-	2
SAN BERNARDINO	13,006	8,187	192	73	220	1,732	45	2,542	2	13
SAN DIEGO	13,220	7,834	282	102	521	1,027	117	2,524	2	811
SAN FRANCISCO	2,094	862	52	7	382	417	36	332	2	4
SAN JOAQUIN	4,348	2,313	103	14	447	519	12	923	2	15
SAN LUIS OBISPO	809	369	22	6	11	5	1	385	-	10
SAN MATEO	1,900	1,196	42	5	221	120	40	252	1	23
SANTA BARBARA	1,995	1,588	30	8	31	44	2	291	-	1
SANTA CLARA	6,083	4,240	91	22	532	228	51	752	-	167
SANTA CRUZ	1,095	808	7	3	14	4	2	248	-	9
SHASTA	785	70	17	35	40	18	6	596	1	2
SIERRA	7	-	-	-	-	-	-	7	-	-
SISKIYOU	187	28	7	17	7	3	1	123	-	1
SOLANO	1,890	660	90	10	166	430	28	498	1	7
SONOMA	1,876	1,013	45	40	38	32	7	672	-	29
STANISLAUS	3,060	1,812	76	12	98	102	11	913	4	32
SUTTER	416	216	9	8	17	10	1	154	-	1
TEHAMA	273	96	4	8	1	1	-	161	1	1
TRINITY	46	5	-	4	-	-	-	37	-	-
TULARE	3,529	2,727	19	31	74	52	2	592	2	30
TUOLUMNE	170	28	5	4	-	-	-	133	-	-
VENTURA	3,440	2,477	37	7	60	48	4	610	-	197
YOLO	648	372	10	4	17	31	4	209	-	1
YUBA	419	148	9	7	25	10	1	218	-	1

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not compatible with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>2</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-35. LIVE BIRTHS BY RACE<sup>1</sup> OF MOTHER, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence)

COUNTY	TOTAL	RACE OF MOTHER										
		2 or More Race Groups	American Indian	Black	Cambodian	Chinese	Eskimo/Aleut	Filipino	Guamanian	Hawaiian	Hmong	Indian (India)
<b>CALIFORNIA</b>	<b>544,685</b>	<b>10,199</b>	<b>2,494</b>	<b>29,296</b>	<b>1,672</b>	<b>13,282</b>	<b>8</b>	<b>14,976</b>	<b>263</b>	<b>248</b>	<b>1,847</b>	<b>8,365</b>
ALAMEDA	20,919	576	57	2,491	94	1,669	-	1,109	15	10	8	1,390
Berkeley <sup>2</sup>	946	29	4	99	1	45	-	15	-	-	-	12
ALPINE	8	-	5	-	-	-	-	-	-	-	-	-
AMADOR	262	7	3	-	-	1	-	2	-	-	-	1
BUTTE	2,354	88	46	28	2	8	-	3	-	-	66	11
CALAVERAS	322	16	6	3	-	-	-	-	-	-	-	-
COLUSA	345	4	5	3	-	-	-	1	-	-	-	3
CONTRA COSTA	13,279	329	32	1,162	15	365	-	587	10	12	1	301
DEL NORTE	285	16	22	-	-	2	-	-	-	-	8	-
EL DORADO	1,897	39	9	11	-	11	-	30	1	-	1	8
FRESNO	15,896	168	120	782	83	52	1	110	4	1	638	186
GLENN	398	6	8	3	-	1	-	-	-	-	-	2
HUMBOLDT	1,509	62	120	9	1	3	-	7	-	2	12	3
IMPERIAL	2,861	13	29	15	1	3	-	13	1	-	-	8
INYO	214	9	31	-	-	-	-	-	-	-	-	1
KERN	13,455	195	84	701	20	24	1	241	5	2	2	92
KINGS	2,549	46	35	128	1	3	-	47	3	1	5	5
LAKE	686	18	30	10	1	1	-	-	-	-	-	2
LASSEN	301	4	11	1	-	-	-	5	-	1	-	-
LOS ANGELES	151,504	2,188	282	11,322	560	4,040	-	3,955	31	52	12	976
Long Beach <sup>2</sup>	7,884	196	22	1,016	279	40	-	300	11	4	6	14
Pasadena <sup>2</sup>	2,275	40	4	210	-	101	-	71	-	-	-	28
MADERA	2,346	15	27	50	-	1	-	6	-	1	6	7
MARIN	2,792	34	2	48	7	45	1	30	-	-	-	31
MARIPOSA	150	3	4	-	-	1	-	-	-	-	-	1
MENDOCINO	1,125	28	82	4	-	2	-	4	-	1	-	1
MERCED	4,296	48	15	124	2	5	-	31	2	3	161	52
MODOC	85	1	3	-	-	-	-	-	-	-	-	-
MONO	170	-	2	-	-	-	-	1	-	-	-	-
MONTEREY	7,396	110	16	97	3	21	-	185	1	5	-	22
NAPA	1,604	22	6	17	-	7	-	50	1	-	-	6
NEVADA	818	11	3	1	-	1	-	2	-	-	-	2
ORANGE	45,060	610	86	457	107	841	-	963	8	24	20	605
PLACER	3,797	125	20	25	-	34	1	60	2	1	2	62
PLUMAS	173	5	8	1	-	-	-	1	-	1	-	-
RIVERSIDE	29,545	547	189	1,388	37	166	-	495	15	12	20	111
SACRAMENTO	20,836	846	137	2,076	39	465	-	566	16	3	550	463
SAN BENITO	887	7	3	4	-	6	-	9	-	-	-	4
SAN BERNARDINO	31,914	665	142	2,658	68	239	1	509	16	20	3	132
SAN DIEGO	45,758	985	220	2,105	81	531	-	1,768	69	26	21	358
SAN FRANCISCO	8,579	205	14	580	22	1,667	1	471	1	5	1	97
SAN JOAQUIN	11,010	353	42	792	282	72	-	480	5	5	168	190
SAN LUIS OBISPO	2,694	60	19	13	1	10	-	29	1	1	-	14
SAN MATEO	10,089	213	19	234	4	757	-	897	2	3	2	355
SANTA BARBARA	6,209	103	25	92	1	40	-	98	3	1	13	19
SANTA CLARA	26,537	431	68	524	94	1,916	-	1,132	20	21	7	2,252
SANTA CRUZ	3,399	37	11	12	2	18	-	25	-	1	-	19
SHASTA	2,046	35	62	26	-	3	1	10	-	6	1	7
SIERRA	18	-	-	-	-	-	-	-	-	-	-	-
SISKIYOU	467	12	33	5	4	-	-	3	-	2	-	-
SOLANO	5,688	232	26	726	7	36	-	560	24	8	4	60
SONOMA	5,964	133	72	86	27	44	-	39	-	3	4	51
STANISLAUS	8,061	209	32	163	78	22	-	66	2	5	15	108
SUTTER	1,342	28	10	11	1	1	-	9	1	1	7	154
TEHAMA	700	18	13	2	-	-	-	2	-	-	-	-
TRINITY	110	1	9	-	-	-	-	-	-	-	-	-
TULARE	7,957	57	56	81	1	6	-	64	-	1	21	17
TUOLUMNE	477	14	15	1	-	-	-	2	-	-	-	-
VENTURA	11,954	119	38	139	14	93	1	256	3	3	1	128
YOLO	2,404	59	14	58	7	49	-	31	-	-	4	46
YUBA	1,184	34	16	27	5	-	-	12	1	4	63	2



TABLE 2-35. LIVE BIRTHS BY RACE<sup>1</sup> OF MOTHER, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence)--Cont. 2 of 2

COUNTY	TOTAL	RACE OF MOTHER										
		Japanese	Korean	Laotian	Samoan	Thai	Vietnamese	White	Other Asian	Other Pacific Islander	Other	Unknown
<b>CALIFORNIA</b>	<b>544,685</b>	<b>2,643</b>	<b>5,250</b>	<b>1,028</b>	<b>773</b>	<b>687</b>	<b>8,818</b>	<b>428,058</b>	<b>3,977</b>	<b>1,327</b>	<b>1,716</b>	<b>7,758</b>
ALAMEDA	20,919	143	245	27	29	35	523	11,598	285	144	109	362
Berkeley <sup>2</sup>	946	12	15	1	-	3	4	660	25	-	-	21
ALPINE	8	-	-	-	-	-	-	3	-	-	-	-
AMADOR	262	1	-	-	-	-	-	246	-	-	-	1
BUTTE	2,354	4	4	5	1	6	5	2,048	13	4	1	11
CALAVERAS	322	-	-	-	-	-	2	291	1	-	-	3
COLUSA	345	-	-	-	-	-	-	329	-	-	-	-
CONTRA COSTA	13,279	81	108	42	11	19	115	9,102	114	71	161	641
DEL NORTE	285	-	-	-	-	-	-	237	-	-	-	-
EL DORADO	1,897	3	8	-	1	1	5	1,736	6	-	8	19
FRESNO	15,896	28	20	175	4	19	38	13,235	49	9	143	31
GLENN	398	-	-	5	-	-	-	370	-	-	-	3
HUMBOLDT	1,509	5	2	4	1	3	4	1,252	-	5	-	14
IMPERIAL	2,861	1	6	-	-	2	2	2,753	4	1	1	8
INYO	214	-	1	-	-	-	-	170	1	-	-	1
KERN	13,455	9	17	5	4	4	18	11,864	16	6	117	28
KINGS	2,549	9	5	2	1	-	1	2,233	7	5	7	5
LAKE	686	1	-	-	-	1	-	615	2	1	1	3
LASSEN	301	1	-	-	-	1	-	274	2	-	-	1
LOS ANGELES	151,504	858	2,541	50	284	233	1,422	120,456	1,120	198	293	631
Long Beach <sup>2</sup>	7,884	23	27	14	95	30	70	5,625	63	20	5	24
Pasadena <sup>2</sup>	2,275	36	66	-	-	6	16	1,634	22	3	10	28
MADERA	2,346	1	-	1	-	-	1	2,220	4	-	3	3
MARIN	2,792	16	25	3	-	6	17	2,489	13	8	3	14
MARIPOSA	150	-	-	-	-	-	-	139	-	1	-	1
MENDOCINO	1,125	1	-	-	-	1	-	984	1	-	-	16
MERCED	4,296	5	4	16	-	6	5	3,774	26	2	4	11
MODOC	85	-	-	-	-	1	-	79	-	1	-	-
MONO	170	1	-	-	-	-	-	165	-	-	1	-
MONTEREY	7,396	22	33	1	6	1	27	6,764	15	18	22	27
NAPA	1,604	7	2	1	-	1	4	1,459	5	5	2	9
NEVADA	818	-	2	-	-	-	1	792	2	-	-	1
ORANGE	45,060	316	871	54	62	41	2,671	36,217	390	80	168	469
PLACER	3,797	17	21	5	-	3	28	3,351	20	7	8	5
PLUMAS	173	1	-	-	-	-	-	151	1	-	-	4
RIVERSIDE	29,545	56	104	51	33	21	188	25,505	103	37	297	170
SACRAMENTO	20,836	105	72	135	31	48	413	14,227	279	156	107	102
SAN BENITO	887	2	1	-	-	-	3	837	-	1	1	9
SAN BERNARDINO	31,914	52	131	20	46	27	200	26,599	213	57	57	59
SAN DIEGO	45,758	232	235	143	89	53	564	35,203	273	117	23	2,662
SAN FRANCISCO	8,579	103	143	2	52	21	158	4,867	115	15	9	30
SAN JOAQUIN	11,010	19	19	84	8	13	123	8,095	132	31	27	70
SAN LUIS OBISPO	2,694	6	7	1	1	1	9	2,472	8	2	5	34
SAN MATEO	10,089	116	104	2	31	13	80	6,807	156	160	6	128
SANTA BARBARA	6,209	13	19	6	2	9	12	5,697	12	7	13	24
SANTA CLARA	26,537	301	350	27	42	34	2,002	15,638	339	85	29	1,225
SANTA CRUZ	3,399	9	9	-	-	4	5	3,158	4	3	12	70
SHASTA	2,046	2	1	21	-	15	5	1,816	27	1	2	5
SIERRA	18	-	-	-	-	-	1	17	-	-	-	-
SISKIYOU	467	1	1	3	-	1	-	399	-	-	-	3
SOLANO	5,688	11	21	6	10	5	23	3,811	33	32	7	46
SONOMA	5,964	13	17	22	2	8	26	5,301	21	10	7	78
STANISLAUS	8,061	7	9	34	10	8	30	7,114	7	23	16	103
SUTTER	1,342	3	3	-	-	1	3	1,098	10	-	-	1
TEHAMA	700	-	-	-	1	-	-	659	1	-	2	2
TRINITY	110	-	-	-	-	-	-	100	-	-	-	-
TULARE	7,957	3	2	63	1	8	5	7,399	25	2	32	113
TUOLUMNE	477	1	-	-	-	1	-	442	1	-	-	-
VENTURA	11,954	45	62	4	9	9	63	10,380	80	9	5	493
YOLO	2,404	11	24	4	1	3	16	2,015	40	12	4	6
YUBA	1,184	1	1	4	-	-	-	1,006	1	1	3	3

- Represents zero events.

<sup>1</sup> The list of races in this table is compiled by identifying mothers reporting 2 or more race groups before tabulating single races. Unknown includes refused to state. This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>2</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-36. LIVE BIRTHS BY MOTHER'S EDUCATION, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence)

COUNTY	TOTAL BIRTHS	MOTHER'S EDUCATION IN YEARS COMPLETED								
		NONE	1-3 YEARS	4-6 YEARS	7-9 YEARS	10-11 YEARS	12 YEARS	13-15 YEARS	16 YEARS & ABOVE	UNKNOWN
<b>CALIFORNIA</b>	<b>544,685</b>	<b>1,998</b>	<b>6,146</b>	<b>37,052</b>	<b>47,779</b>	<b>55,553</b>	<b>149,590</b>	<b>100,961</b>	<b>130,076</b>	<b>15,530</b>
ALAMEDA	20,919	43	269	926	1,248	1,451	4,493	3,832	7,998	659
Berkeley <sup>1</sup>	946	1	3	13	17	29	87	106	675	15
ALPINE	8	-	-	-	-	1	5	-	2	-
AMADOR	262	-	-	2	13	33	112	63	38	1
BUTTE	2,354	13	17	63	102	265	743	546	597	8
CALAVERAS	322	-	-	6	7	35	124	84	64	2
COLUSA	345	-	9	49	41	32	117	62	35	-
CONTRA COSTA	13,279	15	91	658	778	834	3,047	2,566	4,584	706
DEL NORTE	285	2	1	11	15	32	142	56	26	-
EL DORADO	1,897	1	4	47	62	130	537	454	649	13
FRESNO	15,896	158	329	1,444	1,519	2,401	4,697	3,125	2,139	84
GLENN	398	-	4	37	48	67	126	77	38	1
HUMBOLDT	1,509	2	4	30	55	173	511	330	349	55
IMPERIAL	2,861	2	5	42	337	448	939	636	425	27
INYO	214	-	-	10	19	15	82	59	26	3
KERN	13,455	55	143	748	834	2,136	4,940	2,289	1,426	884
KINGS	2,549	6	35	174	191	339	978	559	257	10
LAKE	686	-	3	37	28	98	260	176	65	19
LASSEN	301	-	1	3	5	22	139	88	33	10
LOS ANGELES	151,504	451	1,974	12,483	16,941	17,543	41,568	25,778	32,244	2,522
Long Beach <sup>1</sup>	7,884	13	80	606	971	1,093	2,142	1,488	1,414	77
Pasadena <sup>1</sup>	2,275	9	23	86	132	166	383	369	979	128
MADERA	2,346	66	101	332	246	271	723	390	202	15
MARIN	2,792	54	39	165	134	66	322	339	1,662	11
MARIPOSA	150	-	1	1	4	13	58	35	37	1
MENDOCINO	1,125	2	12	90	79	106	407	223	133	73
MERCED	4,296	42	59	436	432	502	1,517	895	401	12
MODOC	85	-	-	2	4	13	38	17	8	3
MONO	170	1	3	28	13	10	44	28	40	3
MONTEREY	7,396	104	226	1,200	1,028	779	1,810	1,155	1,039	55
NAPA	1,604	4	27	172	172	133	385	292	398	21
NEVADA	818	-	3	19	26	53	245	212	257	3
ORANGE	45,060	111	539	3,565	4,814	3,620	10,601	7,571	13,652	587
PLACER	3,797	3	20	107	115	140	1,086	857	1,457	12
PLUMAS	173	-	-	2	9	12	71	48	27	4
RIVERSIDE	29,545	63	271	1,716	2,587	3,637	9,897	6,298	4,481	595
SACRAMENTO	20,836	72	125	785	1,149	1,995	6,766	4,526	5,098	320
SAN BENITO	887	10	11	91	66	83	258	204	157	7
SAN BERNARDINO	31,914	43	218	1,616	2,760	4,811	10,966	6,719	4,412	369
SAN DIEGO	45,758	54	226	1,671	3,081	3,445	11,566	8,649	12,249	4,817
SAN FRANCISCO	8,579	18	62	272	522	473	1,469	1,230	4,464	69
SAN JOAQUIN	11,010	86	123	844	902	1,404	3,642	2,287	1,503	219
SAN LUIS OBISPO	2,694	6	26	121	128	203	824	600	671	115
SAN MATEO	10,089	69	92	525	592	571	1,682	1,610	4,845	103
SANTA BARBARA	6,209	89	230	879	656	513	1,588	856	1,256	142
SANTA CLARA	26,537	72	143	1,453	1,852	1,458	5,097	4,444	10,747	1,271
SANTA CRUZ	3,399	31	76	428	356	249	751	520	906	82
SHASTA	2,046	1	1	12	58	242	778	605	342	7
SIERRA	18	-	-	-	-	-	6	8	4	-
SISKIYOU	467	-	3	8	27	61	162	126	77	3
SOLANO	5,688	7	20	262	337	475	1,691	1,670	1,177	49
SONOMA	5,964	32	76	550	501	486	1,438	1,200	1,446	235
STANISLAUS	8,061	13	82	556	690	979	2,803	1,669	1,083	186
SUTTER	1,342	5	14	106	114	145	474	309	172	3
TEHAMA	700	2	9	31	43	96	291	154	72	2
TRINITY	110	-	-	-	2	9	54	34	11	-
TULARE	7,957	53	177	965	822	1,152	2,394	1,530	684	180
TUOLUMNE	477	-	1	2	10	42	230	114	78	-
VENTURA	11,954	128	215	1,057	936	827	2,822	2,089	2,946	934
YOLO	2,404	6	14	148	181	236	601	420	784	14
YUBA	1,184	3	12	65	88	188	473	248	103	4

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-37. LIVE BIRTHS BY FATHER'S EDUCATION, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence).

COUNTY	TOTAL BIRTHS	FATHER'S EDUCATION IN YEARS COMPLETED								
		NONE	1-3 YEARS	4-6 YEARS	7-9 YEARS	10-11 YEARS	12 YEARS	13-15 YEARS	16 YEARS & OVER	UNKNOWN
<b>CALIFORNIA</b>	<b>544,685</b>	<b>2,783</b>	<b>6,572</b>	<b>39,242</b>	<b>44,065</b>	<b>41,898</b>	<b>146,861</b>	<b>83,303</b>	<b>125,011</b>	<b>54,950</b>
ALAMEDA	20,919	188	241	921	1,212	1,063	4,618	3,134	7,766	1,776
Berkeley <sup>1</sup>	946	20	-	19	17	15	112	98	622	43
ALPINE	8	-	-	-	-	-	6	1	-	1
AMADOR	262	1	-	5	7	21	119	57	33	19
BUTTE	2,354	13	14	94	72	190	749	487	517	218
CALAVERAS	322	1	-	9	4	26	144	62	54	22
COLUSA	345	2	11	66	49	30	98	42	27	20
CONTRA COSTA	13,279	78	98	697	733	651	3,119	2,174	4,406	1,323
DEL NORTE	285	1	1	11	17	28	130	35	32	30
EL DORADO	1,897	-	7	51	82	93	541	405	589	129
FRESNO	15,896	136	415	1,562	1,265	1,811	4,341	2,512	1,904	1,950
GLENN	398	-	10	46	49	49	107	66	30	41
HUMBOLDT	1,509	2	7	42	39	126	479	276	326	212
IMPERIAL	2,861	3	7	74	233	298	953	534	364	395
INYO	214	-	1	12	11	9	86	42	34	19
KERN	13,455	53	152	766	644	1,696	4,705	1,744	1,277	2,418
KINGS	2,549	8	36	226	176	255	1,027	375	233	213
LAKE	686	3	2	41	32	82	274	114	61	77
LASSEN	301	-	1	3	7	26	130	73	27	34
LOS ANGELES	151,504	421	1,908	13,018	15,801	13,180	40,476	20,944	30,964	14,792
Long Beach <sup>1</sup>	7,884	8	71	583	875	733	2,122	1,249	1,266	977
Pasadena <sup>1</sup>	2,275	11	20	91	132	99	389	251	1,000	282
MADERA	2,346	54	100	358	232	226	727	270	156	223
MARIN	2,792	126	41	166	122	57	331	311	1,595	43
MARIPOSA	150	-	-	1	6	15	51	40	25	12
MENDOCINO	1,125	3	18	96	67	89	394	175	117	166
MERCED	4,296	37	90	489	420	390	1,452	682	322	414
MODOC	85	-	-	4	6	6	36	17	8	8
MONO	170	2	-	22	21	10	48	24	30	13
MONTEREY	7,396	100	237	1,143	1,034	641	1,622	887	983	749
NAPA	1,604	8	30	193	178	125	392	255	349	74
NEVADA	818	-	7	16	23	56	259	175	234	48
ORANGE	45,060	118	537	3,760	4,606	2,633	10,131	6,674	13,774	2,827
PLACER	3,797	4	15	111	103	143	1,073	741	1,466	141
PLUMAS	173	-	-	3	6	12	67	47	20	18
RIVERSIDE	29,545	93	328	1,957	2,368	2,903	9,841	5,259	4,132	2,664
SACRAMENTO	20,836	56	134	838	988	1,543	6,588	3,806	4,940	1,943
SAN BENITO	887	4	22	84	77	75	265	149	136	75
SAN BERNARDINO	31,914	58	245	1,872	2,515	3,607	10,969	5,524	4,040	3,084
SAN DIEGO	45,758	47	255	1,706	2,615	2,437	11,770	7,438	11,743	7,747
SAN FRANCISCO	8,579	135	60	306	434	378	1,498	1,068	4,211	489
SAN JOAQUIN	11,010	209	162	874	806	1,058	3,662	1,824	1,373	1,042
SAN LUIS OBISPO	2,694	4	24	133	139	152	817	522	649	254
SAN MATEO	10,089	289	81	555	565	429	1,816	1,500	4,527	327
SANTA BARBARA	6,209	63	244	881	664	389	1,547	692	1,173	556
SANTA CLARA	26,537	118	171	1,403	1,683	916	4,596	3,414	11,379	2,857
SANTA CRUZ	3,399	48	61	432	386	199	766	422	805	280
SHASTA	2,046	1	2	20	30	190	813	474	326	190
SIERRA	18	-	-	1	-	-	4	5	4	4
SISKIYOU	467	-	4	12	13	61	170	102	57	48
SOLANO	5,688	13	40	259	356	378	1,832	1,419	1,048	343
SONOMA	5,964	45	100	616	516	387	1,435	991	1,330	544
STANISLAUS	8,061	24	116	615	620	746	2,720	1,361	938	921
SUTTER	1,342	7	11	121	120	87	481	235	183	97
TEHAMA	700	11	15	44	36	78	253	133	55	75
TRINITY	110	-	-	2	4	5	52	24	11	12
TULARE	7,957	85	257	1,110	705	840	2,271	1,152	553	984
TUOLUMNE	477	-	2	1	6	51	233	87	64	33
VENTURA	11,954	82	218	1,130	898	632	2,705	1,779	2,797	1,713
YOLO	2,404	24	19	178	182	177	627	341	722	134
YUBA	1,184	5	15	86	82	143	445	207	92	109

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-38. LIVE BIRTHS BY MONTH OF BIRTH, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence)

COUNTY	TOTAL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
<b>CALIFORNIA</b>	<b>544,685</b>	<b>44,183</b>	<b>41,103</b>	<b>44,899</b>	<b>43,407</b>	<b>43,891</b>	<b>44,628</b>	<b>47,225</b>	<b>47,964</b>	<b>48,470</b>	<b>47,737</b>	<b>45,436</b>	<b>45,742</b>
ALAMEDA	20,919	1,735	1,639	1,778	1,731	1,774	1,698	1,810	1,770	1,798	1,774	1,719	1,693
Berkeley 1	946	83	65	78	86	75	90	70	89	84	81	77	68
ALPINE	262	-	1	-	1	-	17	22	19	22	30	18	25
AMADOR	2,354	206	175	199	186	206	205	189	195	191	209	210	183
BUTTE	322	32	24	24	26	19	28	31	25	22	38	32	21
COLUSA	345	22	29	32	23	26	31	39	22	43	20	21	37
CONTRA COSTA	13,279	1,085	1,006	1,087	1,068	1,127	1,052	1,174	1,187	1,186	1,167	1,075	1,065
DEL NORTE	285	24	26	29	20	23	22	27	18	23	23	17	33
EL DORADO	1,897	158	147	166	159	168	165	153	187	172	150	139	133
FRESNO	15,896	1,261	1,292	1,258	1,286	1,198	1,297	1,400	1,436	1,406	1,384	1,338	1,340
GLENN	398	30	29	25	28	30	41	35	41	48	23	38	30
HUMBOLDT	1,509	113	121	120	124	114	139	127	152	120	123	130	126
IMPERIAL	2,861	256	212	231	195	195	224	236	266	246	261	262	277
INYO	214	19	18	17	21	23	16	15	15	17	21	12	20
KERN	13,455	1,137	984	1,086	1,039	1,048	1,084	1,230	1,221	1,186	1,160	1,127	1,153
KINGS	2,549	204	183	219	196	155	199	231	224	228	208	245	257
LAKE	686	46	43	54	59	65	58	61	48	53	63	70	66
LASSEN	301	22	30	25	23	23	18	23	33	25	24	27	28
LOS ANGELES	151,504	12,490	11,457	12,438	11,936	11,877	12,442	13,082	13,373	13,699	13,383	12,670	12,657
Long Beach 1	7,884	626	583	655	685	683	688	658	666	651	694	647	648
Pasadena 1	2,275	188	167	215	202	178	182	182	203	204	194	180	181
MADERA	2,346	193	172	191	173	183	198	229	188	207	212	225	175
MARIN	2,792	206	227	224	258	228	254	249	256	224	238	211	217
MARIPOSA	150	10	5	15	11	10	6	9	12	14	17	18	18
MENDOCINO	1,125	92	82	87	82	102	90	97	84	105	98	102	104
MERCED	4,296	339	323	365	318	342	369	388	372	398	379	346	357
MODOC	85	5	3	8	3	8	8	6	5	11	9	11	8
MONO	170	16	17	13	6	14	11	16	20	10	18	19	10
MONTEREY	7,396	626	586	619	597	600	599	669	629	637	612	602	620
NAPA	1,604	121	103	136	140	164	132	129	143	141	141	140	114
NEVADA	818	56	65	67	62	71	69	65	77	62	69	78	77
ORANGE	45,060	3,674	3,416	3,709	3,583	3,702	3,650	3,849	3,922	4,042	3,939	3,778	3,796
PLACER	3,797	310	256	307	306	323	331	350	342	349	329	325	269
PLUMAS	173	16	6	18	9	20	11	9	18	16	13	19	18
RIVERSIDE	29,545	2,430	2,093	2,381	2,257	2,336	2,423	2,532	2,735	2,692	2,629	2,496	2,541
SACRAMENTO	20,836	1,535	1,548	1,765	1,703	1,752	1,763	1,790	1,807	1,904	1,818	1,643	1,808
SAN BENITO	887	69	63	71	75	73	75	64	99	86	56	79	77
SAN BERNARDINO	31,914	2,588	2,328	2,613	2,515	2,535	2,633	2,830	2,787	2,806	2,818	2,734	2,727
SAN DIEGO	45,758	3,670	3,396	3,818	3,683	3,737	3,614	3,927	3,993	4,164	4,045	3,831	3,880
SAN FRANCISCO	8,579	706	716	730	730	693	632	739	719	735	729	709	741
SAN JOAQUIN	11,010	861	828	898	860	888	937	953	1,008	926	987	914	950
SAN LUIS OBISPO	2,694	226	208	218	242	219	229	244	228	207	237	228	208
SAN MATEO	10,089	812	775	826	834	818	835	872	877	883	920	813	824
SANTA BARBARA	6,209	464	476	550	498	516	451	548	540	556	542	533	535
SANTA CLARA	26,537	2,154	2,063	2,275	2,174	2,177	2,244	2,298	2,271	2,221	2,220	2,206	2,234
SANTA CRUZ	3,399	275	240	269	281	310	299	310	273	298	299	259	286
SHASTA	2,046	165	157	186	173	160	169	185	187	163	162	186	153
SIERRA	18	1	-	3	2	1	1	1	3	2	-	4	-
SISKIYOU	467	40	28	35	35	52	27	38	47	40	40	45	40
SOLANO	5,688	457	452	467	427	501	472	474	493	505	501	452	487
SONOMA	5,964	476	455	475	559	500	512	503	498	531	506	465	484
STANISLAUS	8,061	628	623	642	620	659	651	682	728	718	729	671	710
SUTTER	1,342	112	85	91	107	118	122	116	127	131	122	93	118
TEHAMA	700	48	58	63	47	63	73	65	51	68	68	56	40
TRINITY	110	7	10	9	7	7	10	14	7	14	7	8	10
TULARE	7,957	598	628	624	581	624	668	710	753	734	712	663	662
TUOLUMNE	477	40	40	28	35	48	33	42	40	46	48	42	35
VENTURA	11,954	1,024	870	1,005	964	933	992	1,025	1,066	1,036	1,087	989	963
YOLO	2,404	185	197	194	207	206	198	210	226	212	191	184	194
YUBA	1,184	88	77	92	100	96	100	98	101	90	129	107	106

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

### 3. FETAL MORTALITY

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## SUMMARY OF FETAL MORTALITY

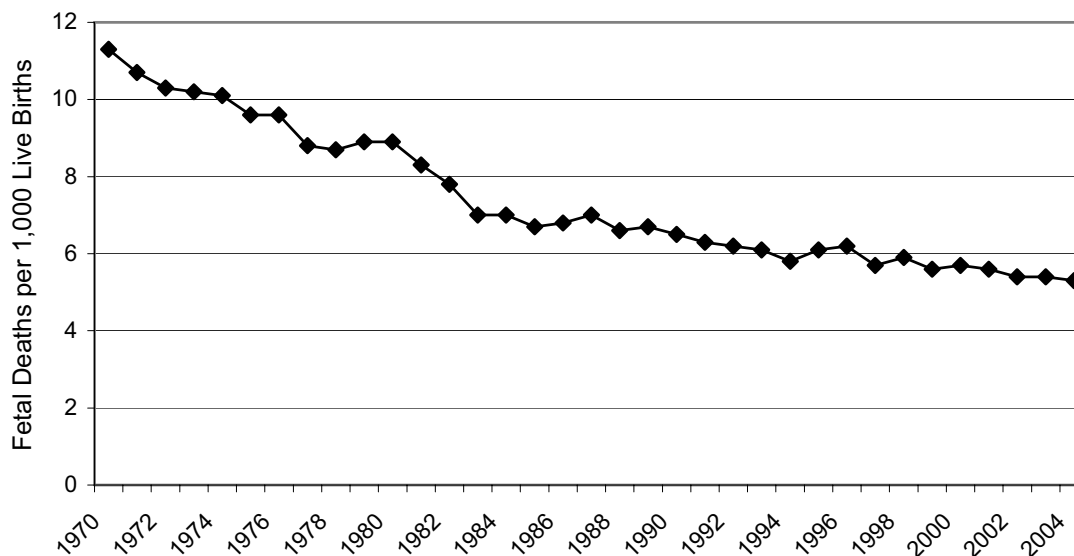
A fetal death is a death prior to the complete expulsion or extraction from its mother of a product of conception (irrespective of the duration of pregnancy); the death is indicated by the fact that after such separation, the fetus does not breathe or show any evidence of life. For statistical purposes, fetal deaths are classified according to gestational age. A death that occurs at 20 weeks or more gestation constitutes a fetal death.

In 2004 there were 2,873 fetal deaths of 20 weeks or more gestation to California residents. This was a 1.9 percent decrease from the 2,929 fetal deaths reported in 2003 and an 12.9 percent decrease from the 3,299 fetal deaths in 1994 (Table 1-1).

### Fetal Mortality Ratios

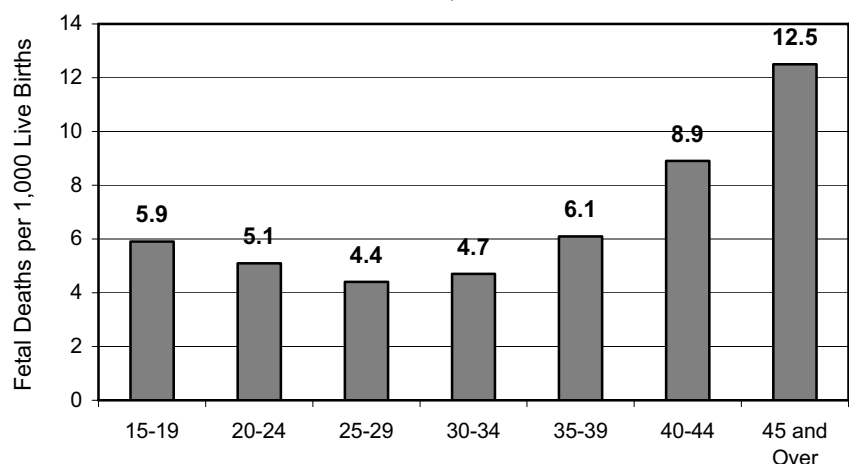
A fetal mortality ratio is the number of fetal deaths of 20 weeks or more gestation divided by the number of live births. The fetal mortality ratio in California decreased 1.9 percent from 5.4 fetal deaths per 1,000 live births in 2003 to 5.3 in 2004 (Table 1-1). The fetal mortality ratio has remained stable in recent years after a period of more rapid decline in the 1970's and early 1980's.

Figure 3-1. Fetal Mortality Ratio, California, 1970-2004



Among the 36 counties with at least 5 fetal deaths and at least 1,000 live births in 2004, the fetal mortality ratio ranged from a low of 2.8 in Imperial County to a high of 8.2 in Sutter County (Table 1-2).

Figure 3-2. Fetal Mortality Ratios by Age of Mother, California, 2004



Fetal mortality ratios tended to be lowest for mothers 25-29, and higher for both younger mothers (under 25) and older mothers (30 and over) (Table 3-1). Mothers 45 and over had the highest fetal mortality ratios of 12.5.

## Race/Ethnicity

There were 1,418 fetal deaths for Hispanic women in 2004, 49.4 percent of all fetal deaths (excluding unknown race/ethnicity). There were 747 fetal deaths for White women, 26.0 percent of all fetal deaths. There were 337 fetal deaths for Black women and 306 for Asian/Pacific Islander women, 11.7 and 10.7 percent, respectively, of all fetal deaths in 2004 (Table 3-2).

## Race (Hispanic origin is included in all races)

There were 2,150 fetal deaths for White women in 2004, 74.8 percent of all fetal deaths (excluding unknown race). There were 338 fetal deaths for Black women, 11.8 percent of fetal deaths. There were 90 fetal deaths for Filipino women, 3.1 percent of fetal deaths (Table 3-3).

## Gestation

In 2004, 1,161 or 43.9 percent of fetal deaths (excluding fetal deaths of unknown gestation) were less than 28 weeks gestation. Late fetal deaths (fetal deaths of 28 weeks or more gestation) accounted for 1,481 deaths or 56.1 percent (Table 3-4).

## Cause of Death

The most common rankable cause of fetal death was "fetus affected by complications of placenta, cord, and membranes" (32.8 percent of fetal deaths), followed by "congenital malformations, deformations and chromosomal abnormalities" (11.1 percent), and "disorders related to short gestation and low birthweight not elsewhere classified" (8.6 percent) (Table 3-7).

TABLE 3-1. NUMBER, RATIO, AND PERCENT DISTRIBUTION OF FETAL DEATHS BY AGE OF MOTHER, CALIFORNIA, 2004 (By Place of Residence)

AGE OF MOTHER	FETAL DEATHS	PERCENT DEATHS	LIVE BIRTHS	PERCENT BIRTHS	MORTALITY RATIO <sup>1</sup>
<b>TOTAL</b>	<b>2,873</b>	<b>100.0</b>	<b>544,685</b>	<b>100.0</b>	<b>5.3</b>
UNDER 15	5	0.2	696	0.1	a
15-19	292	10.2	49,737	9.1	5.9
15	22	0.8	2,223	0.4	9.9
16	36	1.3	5,270	1.0	6.8
17	56	1.9	8,770	1.6	6.4
18	77	2.7	14,218	2.6	5.4
19	101	3.5	19,256	3.5	5.2
20-24	637	22.2	124,309	22.8	5.1
25-29	628	21.9	141,608	26.0	4.4
30-34	638	22.2	134,578	24.7	4.7
35-39	452	15.7	74,580	13.7	6.1
40-44	159	5.5	17,926	3.3	8.9
45 AND OVER	15	0.5	1,201	0.2	12.5
UNKNOWN	47	1.6	50	b	-

<sup>1</sup> Fetal mortality ratios are per 1,000 live births of each age group.

<sup>a</sup> Ratios not calculated for fewer than 1,000 live births.

<sup>b</sup> Percentage value less than 0.1 percent

- Ratios not calculated for "Unknown."

Note: Includes only those fetal deaths of 20 weeks or more gestation.

Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Fetal Death Records.



TABLE 3-2. FETAL DEATHS BY AGE, AND RACE/ETHNIC GROUP<sup>1</sup> OF MOTHER, CALIFORNIA, 2004  
(By Place of Residence)

AGE OF MOTHER	TOTAL	HISPANIC	NON-HISPANIC				
			AMERICAN INDIAN	ASIAN / PACIFIC ISLANDER	BLACK	WHITE	OTHER RACE
<b>TOTAL</b>	<b>2,873</b>	<b>1,418</b>	<b>19</b>	<b>306</b>	<b>337</b>	<b>747</b>	<b>2</b>
UNDER 15	5	2	-	-	2	-	1
15-19	292	180	2	16	50	42	2
20	22	13	1	2	4	2	-
21	36	23	-	2	6	5	-
22	56	39	-	2	8	7	-
23	77	45	-	4	12	15	1
24	101	60	1	6	20	13	1
25-29	637	372	5	41	85	131	3
30-34	628	306	3	68	83	165	3
35-39	638	269	4	97	60	201	7
40-44	452	193	5	58	40	151	4
45 AND OVER	159	74	-	22	11	50	1
UNKNOWN	15	8	-	3	-	1	3
	47	14	-	1	6	6	20

- Represents zero events.

<sup>1</sup> American Indian, Asian/Pacific Islander, Black, White, Other Race, and Unknown exclude Hispanic ethnicity. Hispanic includes any race category. American Indian includes Eskimo and Aleut. Unknown includes Refused to State.

Note: Includes only those fetal deaths of 20 weeks or more gestation.

Source: State of California, Department of Health Services, Fetal Death Records.

TABLE 3-3. FETAL DEATHS BY RACE<sup>1</sup> AND AGE OF MOTHER, CALIFORNIA, 2004 (By Place of Residence)

RACE OF MOTHER	TOTAL	AGE OF MOTHER													
		UNDER 15	15-19 BY SINGLE YEAR					15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	UNKNOWN
			15	16	17	18	19								
TOTAL	2,873	5	22	36	56	77	101	292	637	628	638	452	159	15	47
AMERICAN INDIAN	19	-	1	-	-	-	1	2	5	3	4	5	-	-	-
BLACK	338	2	4	7	8	12	20	51	85	83	60	40	11	-	6
CAMBODIAN	10	-	-	1	-	1	4	6	1	2	-	1	-	-	-
CHINESE	36	-	1	-	-	-	-	1	1	8	13	11	2	-	-
FILIPINO	90	-	1	-	-	1	-	2	13	14	34	19	7	1	-
HMONG	11	-	-	-	2	-	-	2	7	1	-	-	-	1	-
INDIAN (INDIA)	62	-	-	-	-	-	1	1	5	19	24	9	4	-	-
JAPANESE	7	-	-	-	-	-	-	-	-	2	1	1	2	1	-
KOREAN	17	-	-	-	-	-	-	-	1	5	6	2	3	-	-
PACIFIC ISLANDER	17	-	-	-	-	-	-	-	4	6	3	4	-	-	-
THAI	8	-	-	-	-	-	-	-	2	-	5	-	1	-	-
VIETNAMESE	34	-	-	-	-	1	1	2	5	7	13	5	2	-	-
WHITE	2,150	2	15	26	46	60	73	220	497	471	464	343	124	9	20
LAOTIAN	6	-	-	-	-	1	-	1	-	2	-	2	-	-	1
OTHER ASIAN	14	-	-	1	-	-	-	1	2	2	3	5	1	-	-
OTHER	10	-	-	1	-	-	-	1	6	-	1	1	1	-	-
UNKNOWN	44	1	-	-	-	1	1	2	3	3	7	4	1	3	20

- Represents zero events.

<sup>1</sup> American Indian includes Eskimo and Aleut. Pacific Islander includes Hawaiian. Unknown includes Refused to State.

Note: Includes only those fetal deaths of 20 weeks or more gestation.

Source: State of California, Department of Health Services, Fetal Death Records.

TABLE 3-4. NUMBER AND PERCENT OF FETAL DEATHS BY WEEKS OF GESTATION, CALIFORNIA, 2004 (By Place of Residence)

WEEKS OF GESTATION	FETAL DEATHS	PERCENT	
		ALL FETAL DEATHS	EXCLUDING NOT REPORTED GESTATION
<b>TOTAL</b>	<b>2,873</b>	<b>100.0</b>	<b>100.0</b>
20 WEEKS TO UNDER 28 COMPLETED WEEKS	1,161	40.4	43.9
28 WEEKS TO UNDER 32 COMPLETED WEEKS	353	12.3	13.4
32 WEEKS TO UNDER 37 COMPLETED WEEKS	534	18.6	20.2
37 WEEKS TO UNDER 42 COMPLETED WEEKS	506	17.6	19.2
42 WEEKS TO UNDER 53 COMPLETED WEEKS	88	3.1	3.3
NOT REPORTED <sup>1</sup>	231	8.0	-

<sup>1</sup> "Not Reported" includes 12 fetal deaths of 53 weeks or more gestation, and 219 fetal deaths where days of gestation were not reported.

Note: Includes only those fetal deaths of 20 weeks or more gestation.

Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Fetal Death Records.

TABLE 3-5. FETAL DEATHS BY AGE OF MOTHER, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004  
(By Place of Residence)

COUNTY	TOTAL	AGE OF MOTHER													
		UNDER 15	15-19 BY SINGLE YEAR					15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	UNKNOWN
			15	16	17	18	19								
<b>CALIFORNIA</b>	<b>2,873</b>	<b>5</b>	<b>22</b>	<b>36</b>	<b>56</b>	<b>77</b>	<b>101</b>	<b>292</b>	<b>637</b>	<b>628</b>	<b>638</b>	<b>452</b>	<b>159</b>	<b>15</b>	<b>47</b>
ALAMEDA	120	2	-	2	1	2	1	6	16	28	33	25	9	-	1
Berkeley <sup>1</sup>	4	-	-	-	1	-	-	1	-	1	-	1	1	-	-
ALPINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMADOR	3	-	-	-	-	-	-	-	1	-	2	-	-	-	-
BUTTE	16	-	-	-	1	1	1	3	5	3	3	2	-	-	-
CALAVERAS	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
COLUSA	2	-	-	-	-	-	-	-	-	2	-	-	-	-	-
CONTRA COSTA	76	-	-	1	-	1	2	4	17	18	15	14	8	-	-
DEL NORTE	3	-	-	-	-	1	1	2	1	-	-	-	-	-	-
EL DORADO	14	-	-	-	-	1	-	1	2	4	5	2	-	-	-
FRESNO	91	-	1	-	4	5	3	13	29	16	17	12	4	-	-
GLENN	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-
HUMBOLDT	3	-	1	-	-	-	-	1	1	-	-	-	1	-	-
IMPERIAL	8	-	-	-	-	-	1	1	2	1	2	1	1	-	-
INYO	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-
KERN	91	-	2	2	3	5	6	18	22	19	13	14	4	-	1
KINGS	14	-	-	-	2	3	1	6	3	4	-	1	-	-	-
LAKE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LASSEN	3	-	-	1	-	-	1	2	1	-	-	-	-	-	-
LOS ANGELES	775	1	7	4	9	19	28	67	181	165	177	122	44	3	15
Long Beach <sup>1</sup>	52	1	1	1	-	2	2	6	10	12	16	7	-	-	-
Pasadena <sup>1</sup>	10	-	-	1	-	-	-	1	2	1	1	4	1	-	-
MADERA	12	-	-	1	-	-	-	1	5	4	2	-	-	-	-
MARIN	14	-	-	-	-	1	-	1	2	2	4	3	1	1	-
MARIPOSA	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-
MENDOCINO	4	-	-	-	-	1	-	1	-	-	1	2	-	-	-
MERCED	16	-	-	1	-	-	1	2	6	1	3	3	-	1	-
MODOC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTEREY	37	-	-	-	2	2	1	5	11	11	6	3	1	-	-
NAPA	6	-	-	-	-	-	1	1	3	1	-	-	1	-	-
NEVADA	7	-	-	-	-	1	-	1	2	3	1	-	-	-	-
ORANGE	244	1	2	3	7	4	7	23	44	46	65	40	18	3	4
PLACER	21	-	-	1	-	1	1	3	7	5	5	1	-	-	-
PLUMAS	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
RIVERSIDE	161	-	2	2	3	2	3	12	33	42	41	23	5	-	5
SACRAMENTO	129	-	2	3	4	4	2	15	26	36	24	18	7	1	2
SAN BENITO	5	-	-	-	-	-	-	-	2	-	1	2	-	-	-
SAN BERNARDINO	166	-	-	4	2	4	9	19	38	39	28	23	10	2	7
SAN DIEGO	224	-	-	1	5	4	6	16	53	52	52	28	11	1	11
SAN FRANCISCO	35	-	-	-	1	1	1	3	5	6	8	11	2	-	-
SAN JOAQUIN	89	-	-	2	2	2	4	10	12	26	21	14	6	-	-
SAN LUIS OBISPO	18	-	-	-	2	-	-	2	3	2	7	4	-	-	-
SAN MATEO	40	-	-	1	-	-	1	2	7	6	13	8	4	-	-
SANTA BARBARA	35	-	-	-	-	-	3	3	7	9	9	4	3	-	-
SANTA CLARA	109	-	2	-	2	2	9	15	17	14	28	26	7	1	1
SANTA CRUZ	23	-	-	-	-	-	-	-	9	6	6	-	2	-	-
SHASTA	12	-	-	2	-	-	-	2	1	4	4	1	-	-	-
SIERRA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SISKIYOU	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-
SOLANO	35	-	1	1	-	4	2	8	8	7	5	6	1	-	-
SONOMA	36	-	-	-	2	1	-	3	10	9	6	7	1	-	-
STANISLAUS	45	-	1	-	2	2	1	6	10	9	6	10	2	2	-
SUTTER	11	-	-	-	-	-	-	-	1	5	3	1	1	-	-
TEHAMA	6	-	-	-	-	1	-	1	2	2	1	-	-	-	-
TRINITY	2	-	-	-	-	-	-	-	1	1	-	-	-	-	-
TULARE	36	-	1	2	-	-	-	3	17	9	2	4	1	-	-
TUOLUMNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VENTURA	50	1	-	-	1	1	3	5	7	7	14	13	3	-	-
YOLO	11	-	-	1	1	-	1	3	3	1	2	2	-	-	-
YUBA	9	-	-	-	-	1	-	1	2	2	2	1	1	-	-

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Note: Includes only those fetal deaths of 20 weeks or more gestation.

Source: State of California, Department of Health Services, Fetal Death Records.

TABLE 3-6. FETAL DEATHS BY YEAR OF DEATH, CALIFORNIA COUNTIES AND SELECTED CITY  
HEALTH DEPARTMENTS, 1995-2004 (By Place of Residence)

COUNTY	YEAR OF DEATH									
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>CALIFORNIA</b>	<b>3,355</b>	<b>3,330</b>	<b>2,996</b>	<b>3,053</b>	<b>2,927</b>	<b>3,046</b>	<b>2,952</b>	<b>2,870</b>	<b>2,929</b>	<b>2,873</b>
ALAMEDA	138	124	137	131	139	136	151	134	117	120
Berkeley <sup>1</sup>	3	2	6	8	3	6	4	7	5	4
ALPINE	-	-	-	-	-	-	-	-	-	-
AMADOR	-	1	-	5	2	-	1	3	2	3
BUTTE	30	15	10	10	17	14	15	14	12	16
CALAVERAS	2	3	2	3	2	3	-	2	5	1
COLUSA	3	1	1	2	-	2	5	-	5	2
CONTRA COSTA	71	69	59	74	76	75	75	66	68	76
DEL NORTE	1	1	1	2	1	2	-	3	-	3
EL DORADO	6	13	8	13	8	10	14	8	7	14
FRESNO	114	108	87	100	94	70	77	73	68	91
GLENN	4	4	5	3	1	4	5	-	4	1
HUMBOLDT	11	10	11	9	8	8	9	7	8	3
IMPERIAL	15	19	17	5	16	15	12	18	19	8
INYO	1	2	3	1	-	-	1	-	-	1
KERN	77	81	69	76	76	80	94	81	88	91
KINGS	13	4	16	11	13	11	9	18	20	14
LAKE	5	2	5	1	4	2	5	3	1	-
LASSEN	4	1	3	3	1	-	1	3	2	3
LOS ANGELES	1,089	1,132	970	923	904	974	876	813	845	775
Long Beach <sup>1</sup>	59	65	66	61	56	52	47	55	60	52
Pasadena <sup>1</sup>	14	12	10	9	12	10	9	19	10	10
MADERA	17	10	12	19	17	20	13	16	17	12
MARIN	14	11	1	17	15	17	7	14	10	14
MARIPOSA	2	3	1	1	-	1	1	2	-	1
MENDOCINO	3	4	5	10	5	7	4	7	7	4
MERCED	24	30	21	18	26	28	31	34	37	16
MODOC	2	-	-	1	-	-	1	1	-	-
MONO	1	-	2	-	-	1	3	1	1	-
MONTEREY	43	47	42	43	42	27	36	36	42	37
NAPA	15	8	9	8	11	5	6	11	10	6
NEVADA	7	3	4	1	4	1	1	-	6	7
ORANGE	275	286	254	238	246	254	257	237	201	244
PLACER	20	18	11	12	7	14	15	11	13	21
PLUMAS	1	3	2	1	1	2	1	3	1	1
RIVERSIDE	143	139	124	125	116	147	142	125	167	161
SACRAMENTO	95	96	109	121	117	111	113	108	138	129
SAN BENITO	8	6	1	7	4	4	6	5	5	5
SAN BERNARDINO	170	172	142	183	140	153	158	160	165	166
SAN DIEGO	291	265	244	290	242	228	213	207	210	224
SAN FRANCISCO	53	48	35	58	35	58	38	61	39	35
SAN JOAQUIN	59	51	55	51	56	46	61	66	79	89
SAN LUIS OBISPO	10	18	16	16	10	15	12	12	16	18
SAN MATEO	44	57	49	43	41	53	46	51	37	40
SANTA BARBARA	27	36	29	29	27	32	30	33	29	35
SANTA CLARA	135	132	136	111	116	144	125	138	130	109
SANTA CRUZ	13	12	17	15	27	19	13	18	19	23
SHASTA	14	14	9	12	10	6	7	5	18	12
SIERRA	-	-	-	-	-	-	-	-	-	-
SISKIYOU	3	2	3	2	-	1	1	3	7	1
SOLANO	40	27	27	26	26	40	31	43	38	35
SONOMA	30	43	35	32	30	31	31	24	25	36
STANISLAUS	33	47	34	43	44	50	52	53	44	45
SUTTER	12	9	11	11	8	8	10	5	11	11
TEHAMA	4	3	5	6	1	4	6	2	6	6
TRINITY	1	1	1	-	-	1	-	-	1	2
TULARE	58	44	56	49	56	37	46	35	48	36
TUOLUMNE	4	6	2	2	2	2	1	1	3	-
VENTURA	80	66	63	59	65	52	63	71	58	50
YOLO	12	16	14	14	13	15	14	16	12	11
YUBA	8	7	11	7	5	6	7	9	8	9

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Note: Includes only those fetal deaths of 20 weeks or more gestation.

Source: State of California, Department of Health Services, Fetal Death Records.

Table 3-7. FETAL DEATHS AND MORTALITY RATIOS FOR SELECTED CAUSES OF DEATH, CALIFORNIA, 2004 (By Place of Residence).

ICD CODES (REV 10)	CAUSE OF DEATH	FETAL DEATHS	PERCENT DEATHS	MORTALITY RATIO <sup>1</sup>
<b>A00-Y89</b>	<b>TOTAL, ALL CAUSES</b>	<b>2,873</b>	<b>100.0</b>	<b>5.3</b>
P00-P96	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	2,539	88.4	4.7
P00	Fetus Affected by Maternal Conditions That May be Unrelated to Present Pregnancy	107	3.7	0.2
P00.0	Fetus affected by maternal hypertensive disorders	74	2.6	0.1
P01	Fetus Affected by Maternal Complications of Pregnancy	236	8.2	0.4
P01.1	Fetus affected by premature rupture of membranes	123	4.3	0.2
P02	Fetus Affected by complications of placenta, cord, and membranes	942	32.8	1.7
P02.1	Fetus affected by other forms of placental separation and hemorrhage	231	8.0	0.4
P02.2	Fetus affected by other and unsp. morphol. and funct. abnormalities of placenta	102	3.6	0.2
P02.5	Fetus affected by other compression of umbilical cord	217	7.6	0.4
P02.6	Fetus affected by other and unspecified conditions of umbilical cord	284	9.9	0.5
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	247	8.6	0.5
P07.0, P07.2	Extremely low birth weight or extreme immaturity	168	5.9	0.3
P07.1, P07.3	Other low birth weight or preterm	79	2.8	0.2
P20-P21	Intrauterine Hypoxia and Birth Asphyxia	45	1.6	0.1
P29, P80-P96	Other Conditions Originating in the Perinatal Period	840	29.2	1.5
P95	Fetal Death of Unspecified Cause	740	25.8	1.4
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Fetus	27	0.9	0.1
Q00-Q99	CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	318	11.1	0.6
Q00-Q07	Congenital Malformations of nervous system	47	1.6	0.1
Q00	Anencephaly and similar malformations	20	0.7	a
Q20-Q24	Congenital Malformations of Heart	19	0.7	a
Q25-Q28	Other Congenital Malformations of Circulatory System	1	a	a
Q60-Q64	Congenital Malformations of Urinary System	16	0.6	a
Q65-Q85	Congenital Malform. And Deform. of Musculoskeletal System, Limbs, and Integument	20	0.7	a
Q86-Q89	Other Congenital Malformations	108	3.8	0.2
Q89.7	Multiple congenital malformations, not elsewhere classified	56	2.0	0.1
Q90-Q99	Chromosomal Abnormalities Not Elsewhere Classified	103	3.6	0.2
Q91.0-Q91.3	Edwards syndrome	38	1.3	0.1
RESIDUAL	OTHER CAUSES OF DEATH	16	0.6	a

<sup>1</sup> Fetal death ratios are per 1,000 live births.

a Less than 0.05.

# Causes of death marked with this sign are rankable as leading causes of death. See NCHS' Instruction Manual Part 9: ICD-10 Cause of Death Lists for Tabulating Mortality Statistics at [http://www.cdc.gov/nchs/data/dvs/im9\\_2002.pdf](http://www.cdc.gov/nchs/data/dvs/im9_2002.pdf)

Note: Includes only those fetal deaths of 20 weeks or more gestation. Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Fetal Death Records.

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# SUMMARY OF INFANT MORTALITY

*Note: Please see Chapter 1 for additional tables and discussion of infant mortality.*

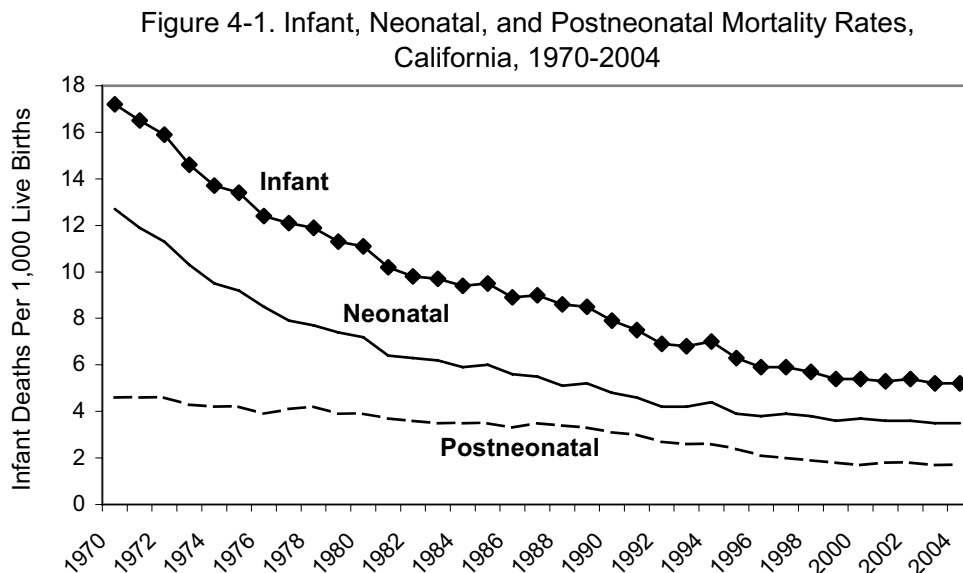
The number of infant deaths declined slightly in 2004 (Table 1-1). There were 2,811 deaths of California resident infants (under one year of age) in 2004, 8 less than the number of infant deaths in 2003.

More than half of the infant deaths were males, 56.3 percent, and 43.7 percent were females. The majority of infant deaths, 67.7 percent, were less than 28 days old. Of these, 59.5 percent died within 24 hours of birth (Tables 4-5 and 4-6).

## Infant Mortality Rates

*Note: Infant mortality rates are calculated based on the number of deaths to infants under one year of age divided by the number of live births in the same year. All rates are per 1,000 live births, with the exception of Table 4-11 where the rates were calculated per 100,000 live births.*

After increasing slightly in 2002, the infant mortality rate decreased to 5.2 (deaths under one year of age per 1,000 live births) in 2003 and remained unchanged in 2004. Although the infant mortality rates generally continue to decline, the rate of improvement has slowed since the 70's and 80's (Table 1-1).



Among the 37 counties with at least 5 infant deaths and at least 1,000 live births, the infant mortality rates ranged from 2.5 in Sonoma County to 8.9 in Mendocino County (Table 1-2).

The neonatal (less than 28 days old) mortality rate was 3.5 deaths per 1,000 live births in 2004, unchanged from the rate in 2003. The neonatal mortality rate in 2004 was down 20.5 percent over the ten-year period from the 4.4 rate in 1994 (Table 4-5).

Among the 33 counties with at least 5 neonatal deaths and at least 1,000 live births, the neonatal mortality rate ranged from 1.7 in Sonoma County to 5.7 in Fresno County (Table 1-2).

The postneonatal (28 days through the end of the first year of life) mortality rate was 1.7 per 1,000 live births in 2004, unchanged from 2003 and down 34.6 percent from the rate of 2.6 in 1994 (Table 4-5).

Among the 30 counties with at least 5 postneonatal deaths and at least 1,000 live births, the postneonatal mortality rate ranged from 0.6 in San Mateo County to 5.3 in Mendocino County (Table 1-2).

## Causes of Death

*Note: Causes of death are coded using the International Classification of Diseases, Tenth Revision (ICD-10) and are not necessarily comparable with 1998 and prior data that were coded under ICD-9.*

In 2004 the three leading causes of death for infants accounted for 45.4 percent of all infant deaths (Table 4-9). Of the 2,811 infant deaths, 694 were from congenital malformations, et al. Of these deaths, 66.1 percent were neonatal deaths (infants less than 28 days old) (Table 4-11).

There were 412 deaths from disorders of short gestation and low birthweight, of which 97.8 percent were neonatal deaths.

Figure 4-2. Leading Causes of Infant Death by Sex, 2004

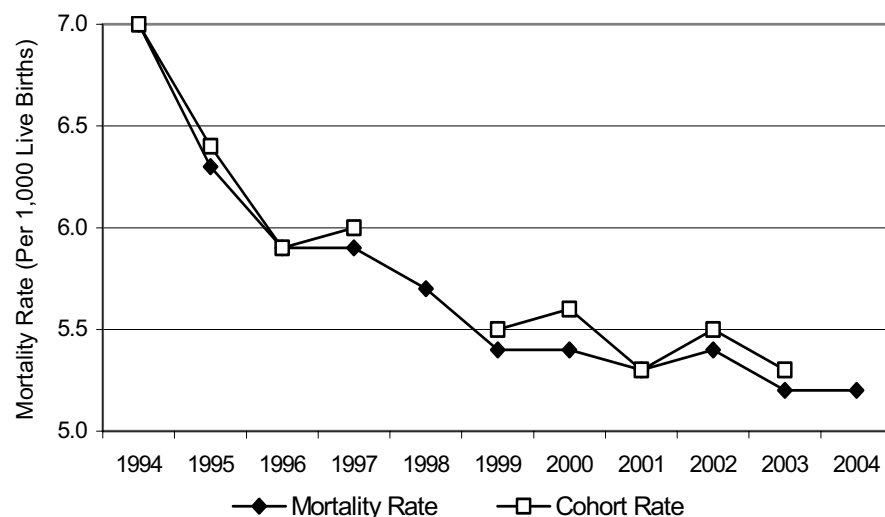
Causes of Infant Death	Total		Male	Female
	Number	Percent		
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	694	24.7	344	350
Disorders of Short Gestation and Low Birthweight (P07)	412	14.7	231	181
Sudden Infant Death Syndrome (SIDS) (R95)	171	6.1	108	63

There were 171 infant deaths from sudden infant death syndrome (SIDS), 87.1 percent of which were postneonatal deaths (28 days through 11 months of age).

## Infant Mortality Rates by Race/Ethnicity

*Note: The following race and ethnicity-specific infant mortality rates are primarily based on the 1993-1997 and 1999-2003 Birth Cohort Files. The first graph compares cohort mortality rates with those derived from the 1993-2004 California Death Statistical Master Files, displaying the similarity between total infant mortality rates derived from the two sources. Due to the cohort file's linkage of birth data with infant death data, however, race-specific rates can be based on race/ethnicity data of mother for both the numerator and denominator and are therefore considered more accurate, though less timely, than rates based on the race of child from the Statistical Master Files. Rates based on the cohort file will be so specified in the text or title and source notes of tables. If not specifically referenced as based on the Birth Cohort Files, rates and infant death counts are derived from the Death*

Figure 4-3. Infant and Birth Cohort Mortality Rates, California, 1993-2004



Statistical Master Files. The 1998 Birth Cohort File was not prepared; the 2004 file was not completed in time for preparation of this report. See Chapter 1 and Chapter 6 for further information on the Birth Cohort File.

## All Race/Ethnic Groups Combined

The trend line for infant mortality rates for 1994-2004 very closely parallels the trend for the birth cohort rates. For each year from 1994 to 2003 (except 2000) the mortality rate has been within 2.0 percent of the cohort rate. In 2000 the difference was 3.6 percent (Tables 4-1 and 4-5).

Cohort infant mortality rates dropped from 7.0 deaths per 1,000 live births in 1992 to 5.3 in 2001, increased to 5.5 in 2002, and returned to 5.3 in 2003 (Table 4-1).

## Cohort Infant Mortality Rates Compared by Race/Ethnicity

*Note: Beginning in 2000 race reporting changed to allow for the reporting of up to three races on birth and death certificates. Due to this change, data for race and race/ethnic groups differ from previous reports and are not comparable. For further information see Chapter 6.*

In 2003 the cohort infant mortality rate of 11.0 for Black infants was substantially higher than for the other race/ethnic groups (Table 4-2). The Pacific Islander rate of 7.9 and the American Indian rate of 7.0 were also higher than the rates for the Hispanic (5.1), White (4.4), Two or More Race Groups (3.9), and Asian (3.8).

Figure 4-4. Birth Cohort Infant Mortality Rates By Race/Ethnicity of Mother, California, 2003

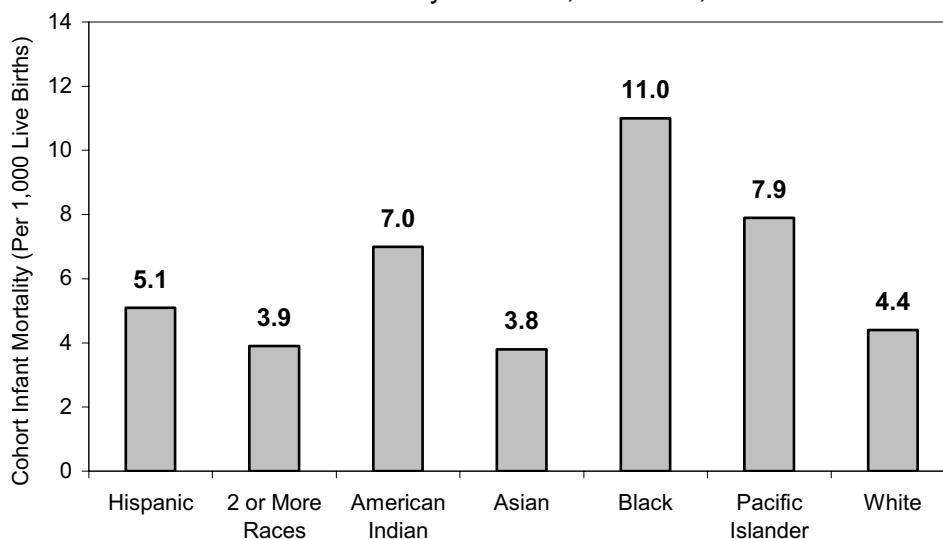


TABLE 4-1. INFANT, NEONATAL, AND POSTNEONATAL DEATHS, AND COHORT INFANT MORTALITY RATES BY SEX OF CHILD, CALIFORNIA, 1991-1997, 1999-2003 (By Place of Residence)  
(Rates are per 1,000 live births in specified group.)

YEAR	INFANT DEATHS			COHORT INFANT MORTALITY RATES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>INFANT MORTALITY <sup>1</sup></b>						
2003	2,865 <sup>a,b</sup>	1,600	1,255	5.3	5.8	4.8
2002	2,905 <sup>a</sup>	1,655	1,243	5.5	6.1	4.8
2001	2,819 <sup>a,b</sup>	1,527	1,281	5.3	5.7	5.0
2000	2,962 <sup>a</sup>	1,602	1,356	5.6	5.9	5.2
1999	2,842 <sup>a</sup>	1,556	1,285	5.5	5.9	5.1
1997	3,152 <sup>a</sup>	1,692	1,455	6.0	6.3	5.7
1996	3,167 <sup>a</sup>	1,757	1,406	5.9	6.4	5.3
1995	3,521 <sup>a</sup>	1,987	1,532	6.4	7.0	5.7
1994	3,960 <sup>a</sup>	2,173	1,779	7.0	7.5	6.4
1993	4,041 <sup>a</sup>	2,209	1,823	6.9	7.4	6.4
1992	4,236 <sup>a</sup>	2,393	1,839	7.0	7.8	6.3
1991	4,555	2,583	1,972	7.5	8.3	6.6
<b>NEONATAL MORTALITY <sup>2</sup></b>						
2003	1,974 <sup>a</sup>	1,091	874	3.7	3.9	3.3
2002	1,958 <sup>a</sup>	1,100	851	3.7	4.1	3.3
2001	1,892 <sup>a</sup>	1,037	846	3.6	3.9	3.3
2000	2,035 <sup>a</sup>	1,086	945	3.8	4.0	3.6
1999	1,929 <sup>a</sup>	1,048	880	3.7	4.0	3.5
1997	2,140 <sup>a</sup>	1,122	1,013	4.1	4.2	3.9
1996	2,108 <sup>a</sup>	1,136	968	3.9	4.1	3.7
1995	2,254 <sup>a</sup>	1,246	1,006	4.1	4.4	3.7
1994	2,555 <sup>a</sup>	1,402	1,145	4.5	4.8	4.1
1993	2,497 <sup>a</sup>	1,341	1,147	4.3	4.5	4.0
1992	2,609 <sup>a</sup>	1,424	1,181	4.3	4.6	4.0
1991	2,829	1,573	1,256	4.6	5.0	4.2
<b>POSTNEONATAL MORTALITY <sup>3</sup></b>						
2003	891 <sup>b</sup>	509	381	1.6	1.8	1.4
2002	947	555	392	1.8	2.1	1.5
2001	927 <sup>b</sup>	490	435	1.8	1.8	1.7
2000	927	516	411	1.7	1.9	1.6
1999	913	508	405	1.8	1.9	1.6
1997	1,012	570	442	1.9	2.1	1.7
1996	1,059	621	438	2.0	2.3	1.7
1995	1,267	741	526	2.3	2.6	2.0
1994	1,405	771	634	2.5	2.7	2.3
1993	1,544	868	676	2.6	2.9	2.4
1992	1,627	969	658	2.7	3.1	2.2
1991	1,726	1,010	716	2.8	3.2	2.4

<sup>1</sup> Infant deaths are under one year of age.

<sup>2</sup> Neonatal deaths are deaths under 28 days of age.

<sup>3</sup> Postneonatal deaths are deaths occurring on the 28th day and up to one year of age.

<sup>a</sup> Includes neonatal deaths where sex is unknown; 2003 includes 9; 2002 includes 7; 2001 includes 9; 2000 includes 4; 1999 includes 1; 1997 includes 5; 1996 includes 4; 1995 includes 2; 1994 includes 8; 1993 includes 9; and 1992 includes 4.

<sup>b</sup> Includes postneonatal deaths where sex is unknown; 2003 includes 1; and 2001 includes 2.

Note: Data for 1998 are not available. See Chapter 6.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 4-2. LIVE BIRTHS, INFANT DEATHS, AND COHORT INFANT MORTALITY RATES BY RACE/ETHNIC GROUP<sup>1</sup> OF MOTHER, CALIFORNIA, 2001-2003

RACE/ETHNIC GROUP OF MOTHER	LIVE BIRTHS		
	2001	2002	2003
TOTAL	527,452	529,334	540,812
HISPANIC	261,022	263,056	269,637
NON-HISPANIC			
2 OR MORE RACE GROUPS	6,388	6,812	7,110
AMERICAN INDIAN	1,986	1,966	2,004
ASIAN	57,444	59,376	61,509
BLACK	30,971	29,809	29,196
PACIFIC ISLANDER	2,356	2,411	2,409
WHITE	163,787	161,486	162,901
OTHER	219	193	206
UNKNOWN	3,279	4,225	5,840
RACE/ETHNIC GROUP OF MOTHER	INFANT DEATHS		
	2001	2002	2003
TOTAL	2,819	2,905	2,865
HISPANIC	1,330	1,378	1,365
NON-HISPANIC			
2 OR MORE RACE GROUPS	32	36	28
AMERICAN INDIAN	16	14	14
ASIAN	234	237	236
BLACK	344	346	320
PACIFIC ISLANDER	16	18	19
WHITE	758	770	718
OTHER	3	1	2
UNKNOWN	86	105	163
RACE/ETHNIC GROUP OF MOTHER	COHORT INFANT MORTALITY RATES		
	2001	2002	2003
TOTAL	5.3	5.5	5.3
HISPANIC	5.1	5.2	5.1
NON-HISPANIC			
2 OR MORE RACE GROUPS	5.0	5.3	3.9
AMERICAN INDIAN	8.1	7.1	7.0
ASIAN	4.1	4.0	3.8
BLACK	11.1	11.6	11.0
PACIFIC ISLANDER	6.8	7.5	7.9
WHITE	4.6	4.8	4.4
OTHER	a,b	a,b	a,b
UNKNOWN	26.2	24.9	27.9

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>a</sup> Rates not calculated for fewer than 5 events.

<sup>b</sup> Rates not calculated for fewer than 1,000 live births.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 4-3. LIVE BIRTHS; INFANT, NEONATAL, AND POSTNEONATAL DEATHS; AND COHORT INFANT MORTALITY RATES BY PLURALITY OF DELIVERY AND BIRTHWEIGHT, CALIFORNIA, 2003 (By Place of Residence)

(Rates are per 1,000 live births in specified group.)

PLURALITY AND BIRTHWEIGHT	LIVE BIRTHS	INFANT DEATHS		NEONATAL DEATHS		POSTNEONATAL DEATHS	
		NUMBER	COHORT RATE	NUMBER	COHORT RATE	NUMBER	COHORT RATE
<b>TOTAL</b>	<b>540,812</b>	<b>2,865</b>	<b>5.3</b>	<b>1,974</b>	<b>3.7</b>	<b>891</b>	<b>1.6</b>
UNDER 500 GRAMS	629	545	b	534	b	11	b
500 GRAMS-999 GRAMS	2,364	737	311.8	618	261.4	119	50.3
1000 GRAMS-1499 GRAMS	3,337	174	52.1	132	39.6	42	12.6
1500 GRAMS-2499 GRAMS	29,310	418	14.3	276	9.4	142	4.8
2500 GRAMS & OVER	505,072	903	1.8	338	0.7	565	1.1
UNKNOWN	100	88	b	76	b	12	b
<b>SINGLE</b>	<b>524,799</b>	<b>2,398</b>	<b>4.6</b>	<b>1,584</b>	<b>3.0</b>	<b>814</b>	<b>1.6</b>
UNDER 500 GRAMS	479	411	b	402	b	9	b
500 GRAMS-999 GRAMS	1,817	573	315.4	479	263.6	94	51.7
1000 GRAMS-1499 GRAMS	2,357	134	56.9	105	44.6	29	12.3
1500 GRAMS-2499 GRAMS	22,148	371	16.8	245	11.1	126	5.7
2500 GRAMS & OVER	497,960	883	1.8	327	0.7	556	1.1
UNKNOWN	38	26	b	26	b	-	a,b
<b>TWIN</b>	<b>15,155</b>	<b>368</b>	<b>24.3</b>	<b>309</b>	<b>20.4</b>	<b>59</b>	<b>3.9</b>
UNDER 500 GRAMS	130	114	b	112	b	2	a,b
500 GRAMS-999 GRAMS	471	156	b	133	b	23	b
1000 GRAMS-1499 GRAMS	791	34	b	25	b	9	b
1500 GRAMS-2499 GRAMS	6,698	45	6.7	29	4.3	16	2.4
2500 GRAMS & OVER	7,065	19	2.7	10	1.4	9	1.3
UNKNOWN	-	-	a,b	-	a,b	-	a,b
<b>TRIPLET</b>	<b>726</b>	<b>31</b>	<b>b</b>	<b>26</b>	<b>b</b>	<b>5</b>	<b>b</b>
UNDER 500 GRAMS	16	16	b	16	b	-	a,b
500 GRAMS-999 GRAMS	67	8	b	6	b	2	a,b
1000 GRAMS-1499 GRAMS	157	5	b	2	a,b	3	a,b
1500 GRAMS-2499 GRAMS	439	1	a,b	1	a,b	-	a,b
2500 GRAMS & OVER	47	1	a,b	1	a,b	-	a,b
UNKNOWN	-	-	a,b	-	a,b	-	a,b
<b>QUADRUPLLET to OCTUPLET</b>	<b>70</b>	<b>6</b>	<b>b</b>	<b>5</b>	<b>b</b>	<b>1</b>	<b>a,b</b>
UNDER 500 GRAMS	4	4	a,b	4	a,b	-	a,b
500 GRAMS-999 GRAMS	9	-	a,b	-	a,b	-	a,b
1000 GRAMS-1499 GRAMS	32	1	a,b	-	a,b	1	a,b
1500 GRAMS-2499 GRAMS	25	1	a,b	1	a,b	-	a,b
2500 GRAMS & OVER	-	-	a,b	-	a,b	-	a,b
UNKNOWN	-	-	a,b	-	a,b	-	a,b
<b>UNKNOWN</b>	<b>62</b>	<b>62</b>	<b>b</b>	<b>50</b>	<b>b</b>	<b>12</b>	<b>b</b>
UNDER 500 GRAMS	-	-	a,b	-	a,b	-	a,b
500 GRAMS-999 GRAMS	-	-	a,b	-	a,b	-	a,b
1000 GRAMS-1499 GRAMS	-	-	a,b	-	a,b	-	a,b
1500 GRAMS-2499 GRAMS	-	-	a,b	-	a,b	-	a,b
2500 GRAMS & OVER	-	-	a,b	-	a,b	-	a,b
UNKNOWN	62	62	b	50	b	12	b

- Represents zero events.

<sup>a</sup> Rates not calculated for fewer than five events.

<sup>b</sup> Rates not calculated for fewer than 1,000 live births.

Note: Infant deaths are under one year of age.

Neonatal deaths are deaths under 28 days of age.

Postneonatal deaths are deaths occurring on the 28th day and up to one year of age.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 4-4. NUMBER AND PERCENT OF INFANT DEATHS BY AGE AND SEX OF CHILD, CALIFORNIA, 2001-2003. (By Place of Residence)( Based on the California Birth Cohort File).

SEX AND AGE	2001		2002		2003	
	NUMBER	PERCENT BY AGE	NUMBER	PERCENT BY AGE	NUMBER	PERCENT BY AGE
TOTAL	2,819	100.0	2,905	100.0	2,865	100.0
UNDER 1 DAY	1,072	38.0	1,209	41.6	1,193	41.6
1-6 DAYS	414	14.7	378	13.0	383	13.4
7-27 DAYS	406	14.4	371	12.8	398	13.9
28 DAYS-UNDER 1 YEAR	927	32.9	947	32.6	891	31.1
MALE	1,527	100.0	1,655	100.0	1,600	100.0
UNDER 1 DAY	591	38.7	670	40.5	650	40.6
1-6 DAYS	231	15.1	223	13.5	218	13.6
7-27 DAYS	215	14.1	207	12.5	223	13.9
28 DAYS-UNDER 1 YEAR	490	32.1	555	33.5	509	31.8
FEMALE	1,281	100.0	1,243	100.0	1,255	100.0
UNDER 1 DAY	473	36.9	534	43.0	535	42.6
1-6 DAYS	182	14.2	154	12.4	165	13.1
7-27 DAYS	191	14.9	163	13.1	174	13.9
28 DAYS-UNDER 1 YEAR	435	34.0	392	31.5	381	30.4
UNKNOWN	11	100.0	7	100.0	10	100.0
UNDER 1 DAY	8	72.7	5	71.4	8	80.0
1-6 DAYS	1	9.1	1	14.3	-	-
7-27 DAYS	-	-	1	14.3	1	10.0
28 DAYS-UNDER 1 YEAR	2	18.2	-	-	1	10.0

- Represents zero events.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 4-5. INFANT, NEONATAL, AND POSTNEONATAL DEATHS, AND INFANT MORTALITY RATES BY SEX OF CHILD, CALIFORNIA, 1991-2004 (By Place of Residence)

(Rates are deaths per 1,000 births in specified group.)

YEAR	INFANT DEATHS			INFANT MORTALITY RATES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<u>INFANT MORTALITY <sup>1</sup></u>						
2004	2,811	1,583	1,228	5.2	5.7	4.6
2003	2,819	1,603	1,216	5.2	5.8	4.6
2002	2,875	1,605	1,270	5.4	5.9	4.9
2001	2,815	1,545	1,270	5.3	5.7	4.9
2000	2,884	1,555	1,329	5.4	5.7	5.1
1999	2,787	1,530	1,257	5.4	5.8	5.0
1998	2,994	1,627	1,367	5.7	6.1	5.4
1997	3,091	1,663	1,428	5.9	6.2	5.6
1996	3,186	1,768	1,418	5.9	6.4	5.4
1995	3,478	1,958	1,520	6.3	6.9	5.7
1994	3,948	2,181	1,767	7.0	7.5	6.4
1993	3,970	2,204	1,766	6.8	7.4	6.2
1992	4,174	2,351	1,823	6.9	7.6	6.2
1991	4,596	2,661	1,935	7.5	8.5	6.5
<u>NEONATAL MORTALITY <sup>2</sup></u>						
2004	1,904	1,081	823	3.5	3.9	3.1
2003	1,909	1,056	853	3.5	3.8	3.2
2002	1,922	1,070	852	3.6	4.0	3.3
2001	1,889	1,049	840	3.6	3.9	3.3
2000	1,957	1,039	918	3.7	3.8	3.5
1999	1,843	995	848	3.6	3.8	3.3
1998	1,993	1,068	925	3.8	4.0	3.6
1997	2,056	1,080	976	3.9	4.0	3.8
1996	2,041	1,105	936	3.8	4.0	3.6
1995	2,164	1,208	956	3.9	4.3	3.6
1994	2,467	1,355	1,112	4.4	4.7	4.0
1993	2,429	1,310	1,119	4.2	4.4	3.9
1992	2,545	1,402	1,143	4.2	4.6	3.9
1991	2,774	1,550	1,224	4.6	5.0	4.1
<u>POSTNEONATAL MORTALITY <sup>3</sup></u>						
2004	907	502	405	1.7	1.8	1.5
2003	910	547	363	1.7	2.0	1.4
2002	953	535	418	1.8	2.0	1.6
2001	926	496	430	1.8	1.8	1.7
2000	927	516	411	1.7	1.9	1.6
1999	944	535	409	1.8	2.0	1.6
1998	1,001	559	442	1.9	2.1	1.7
1997	1,035	583	452	2.0	2.2	1.8
1996	1,145	663	482	2.1	2.4	1.8
1995	1,314	750	564	2.4	2.7	2.1
1994	1,481	826	655	2.6	2.9	2.4
1993	1,541	894	647	2.6	3.0	2.3
1992	1,629	949	680	2.7	3.1	2.3
1991	1,822	1,111	711	3.0	3.6	2.4

<sup>1</sup> Infant deaths are under one year of age.

<sup>2</sup> Neonatal deaths are deaths under 28 days of age.

<sup>3</sup> Postneonatal deaths are deaths occurring on the 28th day and up to one year of age.

Source: State of California, Department of Health Services, Birth and Death Records.



TABLE 4-6. NUMBER AND PERCENT OF INFANT DEATHS BY AGE AND SEX  
OF CHILD, CALIFORNIA 2002 - 2004  
(By Place of Residence)

AGE AND SEX	2002		2003		2004	
	NUMBER	PERCENT BY AGE	NUMBER	PERCENT BY AGE	NUMBER	PERCENT BY AGE
TOTAL	2,875	100.0	2,819	100.0	2,811	100.0
UNDER 1 DAY	1,170	40.7	1,134	40.2	1,132	40.3
1-6 DAYS	380	13.2	383	13.6	405	14.4
7-27 DAYS	372	12.9	392	13.9	367	13.1
28 DAY - UNDER 1 YEAR	953	33.1	910	32.3	907	32.3
MALE	1,605	100.0	1,603	100.0	1,583	100.0
UNDER 1 DAY	647	40.3	620	38.7	632	39.9
1-6 DAYS	224	14.0	218	13.6	248	15.7
7-27 DAYS	199	12.4	218	13.6	201	12.7
28 DAY - UNDER 1 YEAR	535	33.3	547	34.1	502	31.7
FEMALE	1,270	100.0	1,216	100.0	1,228	100.0
UNDER 1 DAY	523	41.2	514	42.3	500	40.7
1-6 DAYS	156	12.3	165	13.6	157	12.8
7-27 DAYS	173	13.6	174	14.3	166	13.5
28 DAY - UNDER 1 YEAR	418	32.9	363	29.9	405	33.0

Note: Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Death Records.

TABLE 4-7. INFANT, NEONATAL, AND POSTNEONATAL DEATHS AND INFANT MORTALITY RATES BY SEX, AND RACE/ETHNIC GROUP<sup>1</sup>  
OF CHILD, CALIFORNIA, 2004 (By Place of Residence)  
(Rates are per 1,000 live births in specified group.)

RACE/ETHNIC GROUP OF CHILD	INFANT DEATHS								
	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	2,811	1,583	1,228	1,904	1,081	823	907	502	405
HISPANIC	1,426	810	616	988	571	417	438	239	199
NON-HISPANIC									
2 OR MORE RACE GROUPS	90	49	41	57	34	23	33	15	18
AMERICAN INDIAN	10	7	3	6	4	2	4	3	1
ASIAN	183	106	77	117	69	48	66	37	29
BLACK	343	198	145	221	125	96	122	73	49
PACIFIC ISLANDER	20	12	8	13	8	5	7	4	3
WHITE	730	400	330	494	269	225	236	131	105
UNKNOWN	9	1	8	8	1	7	1	-	1

RACE/ETHNIC GROUP OF CHILD	INFANT MORTALITY RATES <sup>5</sup>								
	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	5.2	5.7	4.6	3.5	3.9	3.1	1.7	1.8	1.5
HISPANIC	5.2	5.8	4.6	3.6	4.1	3.1	1.6	1.7	1.5
NON-HISPANIC									
2 OR MORE RACE GROUPS	12.6	13.2	11.9	8.0	9.2	6.7	4.6	4.0	5.2
AMERICAN INDIAN	4.8	6.7	-	2.9	-	-	-	-	-
ASIAN	2.9	3.3	2.5	1.9	2.2	1.6	1.1	1.2	1.0
BLACK	12.0	13.5	10.4	7.7	8.5	6.9	4.3	5.0	3.5
PACIFIC ISLANDER	7.9	9.4	6.3	5.1	6.3	3.9	2.8	-	-
WHITE	4.6	4.9	4.3	3.1	3.3	2.9	1.5	1.6	1.4
UNKNOWN	1.2	-	2.1	1.0	-	1.9	-	-	-

- Represents zero events

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>2</sup> Infant deaths are under one year of age.

<sup>3</sup> Neonatal deaths are deaths under 28 days of age.

<sup>4</sup> Postneonatal deaths are deaths occurring on the 28th day and up to one year of age.

<sup>5</sup> Infant mortality rates not calculated for fewer than 5 events.

Source: State of California, Department of Health Services, Birth and Death Records.

TABLE 4-8. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE<sup>1</sup> OF CHILD, CALIFORNIA, 2004 (By Place of Residence)

RACE OF CHILD	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>TOTAL</b>	<b>2,811</b>	<b>1,583</b>	<b>1,228</b>	<b>1,904</b>	<b>1,081</b>	<b>823</b>	<b>907</b>	<b>502</b>	<b>405</b>
2 OR MORE RACE GROUPS	133	75	58	86	52	34	47	23	24
AMERICAN INDIAN	11	7	4	7	4	3	4	3	1
BLACK	353	206	147	228	132	96	125	74	51
CAMBODIAN	3	2	1	3	2	1	-	-	-
CHINESE	32	15	17	20	9	11	12	6	6
ESKIMO / ALEUT	-	-	-	-	-	-	-	-	-
FILIPINO	57	37	20	37	25	12	20	12	8
GUAMANIAN	1	-	1	-	-	-	1	-	1
HAWAIIAN	-	-	-	-	-	-	-	-	-
HMONG	10	7	3	5	3	2	5	4	1
INDIAN (INDIA)	22	11	11	13	6	7	9	5	4
JAPANESE	9	7	2	8	7	1	1	-	1
KOREAN	12	6	6	5	3	2	7	3	4
LAOTIAN	7	4	3	3	2	1	4	2	2
SAMOAN	7	3	4	4	1	3	3	2	1
THAI	2	2	-	1	1	-	1	1	-
VIETNAMESE	24	12	12	21	10	11	3	2	1
WHITE	2,089	1,169	920	1,434	809	625	655	360	295
OTHER ASIAN	11	6	5	7	4	3	4	2	2
OTHER PACIFIC ISLANDER	13	9	4	9	7	2	4	2	2
OTHER RACE	6	4	2	5	3	2	1	1	-
UNKNOWN	9	1	8	8	1	7	1	-	1

- Represents zero events.

<sup>1</sup> The list of races identifies 2 or More Race Groups before selecting single races. Unknown includes refused to state.

This list of races is not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>2</sup> Infant deaths are under one year of life.<sup>3</sup> Neonatal deaths are deaths under 28 days of age.<sup>4</sup> Postneonatal deaths are deaths occurring on the 28th day and up to one year of age.

Source: State of California, Department of Health Services, Death Records.

TABLE 4-9. NUMBER AND PERCENT OF INFANT DEATHS AND INFANT MORTALITY RATES FOR LEADING CAUSES OF INFANT DEATH BY SEX OF CHILD.  
CALIFORNIA, 2004 (By Place of Residence)  
(Infant mortality rates are per 100,000 live births in specified group.)

CAUSE OF INFANT DEATH	ICD CODES REV. 10	TOTAL INFANT DEATHS				MALE INFANT DEATHS				FEMALE INFANT DEATHS			
		TOTAL RANK	DEATHS	PERCENT <sup>1</sup>	MORTALITY RATE	RANK	DEATHS	PERCENT <sup>1</sup>	MORTALITY RATE	RANK	DEATHS	PERCENT <sup>1</sup>	MORTALITY RATE
<b>All Causes</b>	<b>A00-Y89</b>		<b>2,811</b>	<b>100.0</b>	<b>516.1</b>		<b>1,583</b>	<b>100.0</b>	<b>568.8</b>		<b>1,228</b>	<b>100.0</b>	<b>461.0</b>
Congenital Malformations, Deformations, and Chromosomal Abnormalities	Q00-Q99	<b>1</b>	694	24.7	127.4	<b>1</b>	344	21.7	123.6	<b>1</b>	350	28.5	131.4
Disorders of Short Gestation and Low Birthweight	P07	<b>2</b>	412	14.7	75.6	<b>2</b>	231	14.6	83.0	<b>2</b>	181	14.7	68.0
Sudden Infant Death Syndrome	R95	<b>3</b>	171	6.1	31.4	<b>3</b>	108	6.8	38.9	<b>3</b>	63	5.1	23.7
Effect of Maternal Complications of Pregnancy	P01	<b>4</b>	106	3.8	19.5	<b>4</b>	62	3.9	22.3	<b>5</b>	44	3.6	16.5
Complications of Placenta, Cord, and Membrane	P02	<b>5</b>	98	3.5	18.0	<b>7</b>	52	3.3	18.7	<b>4</b>	46	3.8	17.3
Respiratory Distress of Newborn	P22	<b>6</b>	96	3.4	17.6	<b>5</b>	57	3.6	20.5	<b>6</b>	39	3.2	14.6
Neonatal Hemorrhage	P50-P52, P54	<b>7</b>	88	3.1	16.2	<b>6</b>	55	3.5	19.8	<b>7</b>	33	2.7	12.4
Bacterial Sepsis of Newborn	P36	<b>8</b>	69	2.5	12.7	<b>9</b>	38	2.4	13.7	<b>8</b>	31	2.5	11.6
Accidents	V01-X59	<b>9</b>	67	2.4	12.3	<b>10</b>	37	2.3	13.3	<b>9</b>	30	2.4	11.3
Intrauterine Hypoxia & Birth Asphyxia	P20-P21	<b>9</b>	67	2.4	12.3	<b>8</b>	41	2.6	14.7	<b>10</b>	26	2.1	9.8
Atelectasis	P28.0,P28.1	<b>10</b>	47	1.7	8.6	<b>12</b>	30	1.9	10.8	<b>12</b>	17	1.4	6.4
Necrotizing Enterocolitis	P77	<b>11</b>	46	1.6	8.5	<b>11</b>	32	2.0	11.5	<b>13</b>	14	1.1	5.3
Diseases of Circulatory System	I00-I99	<b>12</b>	40	1.4	7.3	<b>13</b>	22	1.4	7.9	<b>11</b>	18	1.5	6.8
Influenza, Pneumonia	J10-J18	<b>13</b>	27	1.0	5.0	<b>15</b>	16	1.0	5.8	<b>14</b>	11	0.9	4.1
Gastritis, duodenitis, and noninfective enteritis and colitis	K29,K50-K55	<b>14</b>	26	0.9	4.8	<b>14</b>	19	1.2	6.8	<b>15</b>	7	0.6	2.6
All Other Causes	RESIDUAL		757	26.9	139.0		439	27.7	157.7		318	25.9	119.4

<sup>1</sup> Percents are rounded independently and may not add to totals.

Note: The leading causes of infant death are coded by ICD-10 and are presented in 2004 ranking for total infant deaths.

Source: State of California, Department of Health Services, Birth and Death Records.

TABLE 4-10. LEADING CAUSES OF INFANT DEATH BY RACE/ETHNIC GROUP<sup>1</sup> OF CHILD, CALIFORNIA, 2004 (By Place of Residence)

RANK	CAUSE OF DEATH	ICD CODES REV. 10	TOTAL INFANT DEATHS	HISPANIC	NON-HISPANIC RACE GROUPS							
					2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER	UNKNOWN
	All Causes	A00-Y89	2,811	1,426	90	10	183	343	20	730	-	9
1	Congenital Malformations, Deformations, and Chromosomal Abnormalities	Q00-Q99	694	389	17	3	46	49	5	185	-	-
2	Disorders of Short Gestation and Low Birthweight	P07	412	200	25	-	32	56	6	91	-	2
3	Sudden Infant Death Syndrome	R95	171	65	7	-	10	24	1	64	-	-
4	Effect of Maternal Complications of Pregnancy	P01	106	49	2	-	4	17	2	30	-	2
5	Complications of Placenta, Cord, and Membrane	P02	98	58	2	-	4	15	-	19	-	-
6	Respiratory Distress of Newborn	P22	96	52	2	1	4	13	1	22	-	1
7	Neonatal Hemorrhage	P50-P52, P54	88	45	3	-	10	9	-	21	-	-
8	Bacterial Sepsis of Newborn	P36	69	41	-	-	4	9	-	15	-	-
9	Accidents	V01-X59	67	32	2	1	5	6	-	20	-	1
10	Intrauterine Hypoxia & Birth Asphyxia	P20-P21	67	29	4	-	1	8	-	24	-	1
11	Atelectasis	P28.0-P28.1	47	29	1	-	1	2	-	13	-	1
12	Necrotizing Enterocolitis	P77	46	24	1	-	5	7	-	9	-	-
13	Diseases of Circulatory System	I00-I99	40	14	-	1	7	4	1	13	-	-
14	Influenza, Pneumonia	J10-J18	27	14	1	-	3	4	-	5	-	-
15	Gastritis, duodenitis, and noninfective enteritis and colitis	K29,K50-K55	26	14	1	-	3	4	1	3	-	-
	All Other Causes	RESIDUAL	757	371	22	4	44	116	3	196	-	1

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

- Represents zero events.

Source: State of California, Department of Health Services, Death Records.

TABLE 4-11. NUMBER AND PERCENT OF INFANT, NEONATAL, AND POSTNEONATAL DEATHS, AND INFANT MORTALITY RATES FROM SELECTED CAUSES, CALIFORNIA 2004  
(By Place of Residence) (Infant mortality rates are per 100,000 live births.)

ICD CODES REV. 10	CAUSES OF INFANT DEATH	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
		NUMBER	RATE	PERCENT <sup>1</sup>	NUMBER	RATE	PERCENT <sup>1</sup>	NUMBER	RATE	PERCENT <sup>1</sup>
<b>A00-Y89</b>	<b>TOTAL, ALL CAUSES</b>	<b>2,811</b>	<b>516.1</b>	<b>100.0</b>	<b>1,904</b>	<b>349.6</b>	<b>100.0</b>	<b>907</b>	<b>166.5</b>	<b>100.0</b>
P00-P04	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	<b>1,406</b>	<b>258.1</b>	<b>50.0</b>	<b>1,330</b>	<b>244.2</b>	<b>69.9</b>	<b>76</b>	<b>14.0</b>	<b>8.4</b>
P00	MATERNAL FACTORS, COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	235	43.1	8.4	229	42.0	12.0	6	1.1	0.7
P01	MATERNAL HYPERTENSIVE DISORDERS, OR OTHER CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	15	2.8	0.5	14	2.6	0.7	1	a	0.1
P01.0	NEWBORN AFFECTED BY MATERNAL COMPL. OF PREGNANCY	106	19.5	3.8	105	19.3	5.5	1	a	0.1
P01.1	INCOMPETENT CERVIX	32	5.9	1.1	32	5.9	1.7	-	-	-
P01.5	PREMATURE RUPTURE OF MEMBRANES	50	9.2	1.8	50	9.2	2.6	-	-	-
RESIDUAL	MULTIPLE PREGNANCY	11	2.0	0.4	11	2.0	0.6	-	-	-
P02	OTHER MATERNAL COMPLICATIONS	13	2.4	0.5	12	2.2	0.6	1	a	0.1
P03	NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES	98	18.0	3.5	97	17.8	5.1	1	a	0.1
P04	NEWBORN AFFECTED BY OTHER COMPLICATIONS OF LABOR AND DELIVERY	10	1.8	0.4	8	1.5	0.4	2	a	0.2
P05-P08	NEWBORN AFFECTED BY NOXIOUS INFLUENCES TRANSMITTED VIA PLACENTA OR BREAST MILK	6	1.1	0.2	5	0.9	0.3	1	a	0.1
P05	DISORDERS OF GESTATION LENGTH OR FETAL MALNUTRITION	416	76.4	14.8	407	74.7	21.4	9	1.7	1.0
P07	SLOW FETAL GROWTH AND FETAL MALNUTRITION	4	a	0.1	4	a	0.2	-	-	-
P07.0, P07.2	DISORDERS RELATING TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	412	75.6	14.7	403	74.0	21.2	9	1.7	1.0
P07.1, P07.3	EXTREME LOW BIRTHWEIGHT OR EXTREME IMMATUREITY	342	62.8	12.2	335	61.5	17.6	7	1.3	0.8
P10-P15	OTHER LOW BIRTHWEIGHT OR PRETERM	70	12.9	2.5	68	12.5	3.6	2	a	0.2
P20-P28	BIRTH TRAUMA	5	0.9	0.2	5	0.9	0.3	-	-	-
P20-P21	RESPIRATORY CONDITIONS ORIGINATING IN PERINATAL PERIOD	279	51.2	9.9	244	44.8	12.8	35	6.4	3.9
P22	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	67	12.3	2.4	62	11.4	3.3	5	0.9	0.6
P23	RESPIRATORY DISTRESS OF NEWBORN	96	17.6	3.4	90	16.5	4.7	6	1.1	0.7
P24	CONGENITAL PNEUMONIA	16	2.9	0.6	12	2.2	0.6	4	a	0.4
P25	NEONATAL ASPIRATION SYNDROMES	6	1.1	0.2	6	1.1	0.3	-	-	-
P26	INTERSTITIAL EMPHYSEMA & RELATED CONDITIONS	10	1.8	0.4	9	1.7	0.5	1	a	0.1
P27	PULMONARY HEMORRHAGE	16	2.9	0.6	16	2.9	0.8	-	-	-
P28.0-P28.1	CHRONIC RESPIRATORY DISEASE	17	3.1	0.6	-	-	-	17	3.1	1.9
P28.2-P28.9	ATELECTASIS	47	8.6	1.7	45	8.3	2.4	2	a	0.2
P35-P39	OTHER RESPIRATORY	4	a	0.1	4	a	0.2	-	-	-
P36	PERINATAL INFECTIONS	88	16.2	3.1	80	14.7	4.2	8	1.5	0.9
P38	BACTERIAL SEPSIS OF NEWBORN	69	12.7	2.5	64	11.8	3.4	5	0.9	0.6
P35-P37,P39	OMPHALITIS WITH OR WITHOUT MILD HEMORRHAGE	1	a	b	1	a	0.1	-	-	-
P50-P52, P54	OTHER PERINATAL INFECTIONS	18	3.3	0.6	15	2.8	0.8	3	a	0.3
P53,P55-P61	HEMORRHAGIC & HEMATOLOGICAL DISORDERS OF NEWBORN	110	20.2	3.9	106	19.5	5.6	4	a	0.4
P70-P96	NEONATAL HEMORRHAGE	88	16.2	3.1	84	15.4	4.4	4	a	0.4
P77	OTHER HEMORRHAGIC & HEMATOLOGICAL CONDITIONS	22	4.0	0.8	22	4.0	1.2	-	-	-
P83.2	RESIDUAL CONDITIONS IN PERINATAL PERIOD	273	50.1	9.7	259	47.6	13.6	14	2.6	1.5
RESIDUAL	NECROTIZING ENTEROCOLITIS OF NEWBORN	46	8.5	1.6	37	6.8	1.9	9	1.7	1.0
	HYDROPS FETALIS NOT DUE TO HEMOLYTIC DISEASE	24	4.4	0.9	23	4.2	1.2	1	a	0.1
	OTHER PERINATAL CONDITIONS	203	37.3	7.2	199	36.5	10.5	4	a	0.4

TABLE 4-11. NUMBER AND PERCENT OF INFANT, NEONATAL, AND POSTNEONATAL DEATHS, AND INFANT MORTALITY RATES FROM SELECTED CAUSES, CALIFORNIA 2004  
(By Place of Residence) (Infant mortality rates are per 100,000 live births.)—Cont. 2 of 3

ICD CODES REV. 10	CAUSES OF INFANT DEATH	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
		NUMBER	RATE	PERCENT <sup>1</sup>	NUMBER	RATE	PERCENT <sup>1</sup>	NUMBER	RATE	PERCENT <sup>1</sup>
Q00-Q99	#	694	127.4	24.7	459	84.3	24.1	235	43.1	25.9
Q00-Q07	CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	107	19.6	3.8	72	13.2	3.8	35	6.4	3.9
Q00	CONGENITAL MALFORMATIONS OF THE NERVOUS SYSTEM	33	6.1	1.2	32	5.9	1.7	1	a	0.1
Q03	ANENCEPHALY AND SIMILAR MALFORMATIONS	10	1.8	0.4	6	1.1	0.3	4	a	0.4
Q05	CONGENITAL HYDROCEPHALUS	3	a	0.1	3	a	0.2	-	-	-
Q05	SPINA BIFIDA	61	11.2	2.2	31	5.7	1.6	30	5.5	3.3
RESIDUAL	OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	212	38.9	7.5	111	20.4	5.8	101	18.5	11.1
Q20-Q28	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM	180	33.1	6.4	91	16.7	4.8	89	16.3	9.8
Q20-Q24	CONGENITAL MALFORMATIONS OF THE HEART	32	5.9	1.1	20	3.7	1.1	12	2.2	1.3
Q25-Q28	OTHER CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	56	10.3	2.0	46	8.5	2.4	10	1.8	1.1
Q30-Q34	CONGENITAL MALFORMATIONS OF THE RESPIRATORY SYSTEM	14	2.6	0.5	4	a	0.2	10	1.8	1.1
Q35-Q45	CONGENITAL MALFORMATIONS OF THE DIGESTIVE SYSTEM	33	6.1	1.2	31	5.7	1.6	2	a	0.2
Q50-Q64	CONGENITAL MALFORMATIONS OF THE GENITOURINARY SYSTEM	82	15.1	2.9	56	10.3	2.9	26	4.8	2.9
Q65-Q85	CONGENITAL MALFORMATIONS AND DEFORMATIONS OF MUSCULOSKELETAL SYSTEM, LIMBS AND INTEGUMENT	190	34.9	6.8	139	25.5	7.3	51	9.4	5.6
Q90-Q99	CHROMOSOMAL ABNORMALITIES, AND OTHERS NOT SPECIFIED	16	2.9	0.6	8	1.5	0.4	8	1.5	0.9
Q90	DOWN'S SYNDROME	59	10.8	2.1	43	7.9	2.3	16	2.9	1.8
Q91.0-Q91.3	EDWARD'S SYNDROME	39	7.2	1.4	34	6.2	1.8	5	0.9	0.6
Q91.4-Q91.7	Patau's syndrome	76	14.0	2.7	54	9.9	2.8	22	4.0	2.4
RESIDUAL	OTHER CONGENITAL MALFORMATIONS, DEFORMATIONS & ABNORMALITIES	46	8.5	1.6	6	1.1	0.3	40	7.3	4.4
A00-B99	CERTAIN INFECTIOUS & PARASITIC DISEASES	16	2.9	0.6	1	a	0.1	15	2.8	1.7
A40-A41	SEPTICEMIA	19	3.5	0.7	4	a	0.2	15	2.8	1.7
A80-B34	VIRAL DISEASES	11	2.0	0.4	1	a	0.1	10	1.8	1.1
RESIDUAL	OTHER INFECTIOUS AND PARASITIC DISEASES	20	3.7	0.7	4	a	0.2	16	2.9	1.8
C00-D48	NEOPLASMS	24	4.4	0.9	6	1.1	0.3	18	3.3	2.0
E00-E88	ENDOCRINE, NUTRITIONAL & METABOLIC DISEASES	37	6.8	1.3	4	a	0.2	33	6.1	3.6
G00-G98	DISEASES OF THE NERVOUS SYSTEM	40	7.3	1.4	10	1.8	0.5	30	5.5	3.3
I00-I99	DISEASES OF THE CIRCULATORY SYSTEM	8	1.5	0.3	5	0.9	0.3	3	a	0.3
I26-I28	PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	10	1.8	0.4	2	a	0.1	8	1.5	0.9
I42	CARDIOMYOPATHY	11	2.0	0.4	-	-	-	11	2.0	1.2
I60-I69	CEREBROVASCULAR DISEASES	11	2.0	0.4	3	a	0.2	8	1.5	0.9
RESIDUAL	OTHER DISEASES OF THE CIRCULATORY SYSTEM	58	10.7	2.1	3	a	0.2	55	10.1	6.1
J00-J98	DISEASES OF THE RESPIRATORY SYSTEM	27	5.0	1.0	1	a	0.1	26	4.8	2.9
J10-J18	INFLUENZA & PNEUMONIA	31	5.7	1.1	2	a	0.1	29	5.3	3.2
RESIDUAL	OTHER DISEASES OF THE RESPIRATORY SYSTEM	58	10.7	2.1	6	1.1	0.3	52	9.6	5.7
K00-K92	DISEASES OF THE DIGESTIVE SYSTEM	26	4.8	0.9	2	a	0.1	24	4.4	2.7
K29-K50-K55	GASTRITIS, DUODENITIS, & NONINFECTIVE ENTERITIS & COLITIS	32	5.9	1.1	4	a	0.2	28	5.1	3.1
RESIDUAL	OTHER DISEASES OF THE DIGESTIVE SYSTEM									

TABLE 4-11. NUMBER AND PERCENT OF INFANT, NEONATAL, AND POSTNEONATAL DEATHS, AND INFANT MORTALITY RATES FROM SELECTED CAUSES, CALIFORNIA 2004  
(By Place of Residence) (Infant mortality rates are per 100,000 live births.)—Cont. 3 of 3

ICD CODES REV. 10	CAUSES OF INFANT DEATH	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
		NUMBER	RATE	PERCENT <sup>1</sup>	NUMBER	RATE	PERCENT <sup>1</sup>	NUMBER	RATE	PERCENT <sup>1</sup>
N00-N95	DISEASES OF THE GENITOURINARY SYSTEM	24	4.4	0.9	10	1.8	0.5	14	2.6	1.5
N17-N19,N25,N27	RENAL FAILURE AND OTHER KIDNEY DISORDERS	23	4.2	0.8	9	1.7	0.5	14	2.6	1.6
RESIDUAL	OTHER DISEASES OF THE GENITOURINARY SYSTEM	1	a	b	1	a	0.1	-	-	-
R00-R99	SYMPTOMS, SIGNS & ABNORMAL CLINICAL & LAB FINDINGS	285	52.3	10.1	51	9.4	2.7	234	43.0	25.8
R95	SUDDEN INFANT DEATH SYNDROME	171	31.4	6.1	22	4.0	1.2	149	27.4	16.4
RESIDUAL	OTHER SYMPTOMS, SIGNS & ABNORMAL FINDINGS	114	20.9	4.1	29	5.3	1.5	85	15.6	9.4
U01, V01-Y84	EXTERNAL CAUSES OF MORTALITY	105	19.3	3.7	9	1.7	0.5	96	17.6	10.6
V01-X59	ACCIDENTS	67	12.3	2.4	6	1.1	0.3	61	11.2	6.7
U01, X85-Y09	ASSAULT (HOMICIDE)	23	4.2	0.8	2	a	0.1	21	3.9	2.3
RESIDUAL	OTHER EXTERNAL CAUSES	15	2.8	0.5	1	a	0.1	14	2.6	1.5
ALL OTHER CAUSES	ALL OTHER CAUSES NOT SPECIFIC TO PERINATAL PERIOD	12	2.2	0.4	5	0.9	0.3	7	1.3	0.8

# Causes of death marked with a "#" are rankable as leading causes of infant death. See NCHS' Instructional Manual Part 9: ICD-10 Cause of Death Listings for Tabulating Mortality Statistics

<sup>1</sup> Percents are rounded independently and may not add to totals.

- Represents zero events.

<sup>a</sup> Rates are not calculated for fewer than five events.

<sup>b</sup> Less than 0.05.

Note: Infant deaths are under one year of age. Neonatal deaths are deaths under 28 days of age. Postneonatal deaths are those occurring on the 28th day and up to one year of age.

Source: State of California, Department of Health Services, Birth and Death Records.



TABLE 4-12. INFANT DEATHS BY MONTH OF DEATH (By Place of Residence), CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004

COUNTY	TOTAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
<b>CALIFORNIA</b>	<b>2,811</b>	<b>258</b>	<b>230</b>	<b>212</b>	<b>222</b>	<b>237</b>	<b>225</b>	<b>251</b>	<b>219</b>	<b>225</b>	<b>263</b>	<b>230</b>	<b>239</b>
ALAMEDA	111	6	9	9	15	10	13	11	8	12	11	4	3
Berkeley <sup>1</sup>	3	1	-	-	-	-	-	-	1	1	-	-	-
ALPINE	-	-	-	-	-	-	-	-	-	-	-	-	-
AMADOR	3	2	-	-	-	-	-	-	-	1	-	-	-
BUTTE	14	1	-	1	2	2	-	2	1	-	2	2	1
CALAVERAS	2	-	1	-	-	-	-	-	-	1	-	-	-
COLUSA	1	-	1	-	-	-	-	-	-	-	-	-	-
CONTRA COSTA	51	4	1	3	4	4	3	7	3	4	9	4	5
DEL NORTE	-	-	-	-	-	-	-	-	-	-	-	-	-
EL DORADO	10	1	2	-	1	2	-	-	1	1	-	1	1
FRESNO	128	13	20	12	8	9	10	10	9	10	9	7	11
GLENN	-	-	-	-	-	-	-	-	-	-	-	-	-
HUMBOLDT	7	1	1	2	-	-	1	1	-	-	-	-	1
IMPERIAL	16	2	-	2	2	3	-	2	1	-	2	1	1
INYO	1	1	-	-	-	-	-	-	-	-	-	-	-
KERN	95	8	5	9	11	10	5	7	8	10	8	6	8
KINGS	19	2	-	3	-	2	2	1	3	2	2	1	1
LASSEN	-	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	3	-	1	1	-	-	-	-	-	-	-	-	1
LOS ANGELES	757	65	62	65	58	78	72	67	55	52	60	66	57
Long Beach <sup>1</sup>	34	3	1	4	1	3	5	5	2	3	3	1	3
Pasadena <sup>1</sup>	12	1	-	1	-	2	-	2	1	1	1	2	1
MADERA	6	-	-	2	-	2	-	-	-	-	2	-	-
MARIN	4	1	-	-	-	-	1	-	-	-	1	1	2
MARIPOSA	1	-	1	-	-	-	-	-	-	-	-	-	-
MENDOCINO	10	1	1	1	2	1	-	2	-	-	-	1	1
MERCED	19	1	2	1	-	-	2	-	2	2	4	2	3
MODOC	-	-	-	-	-	-	-	-	-	-	-	-	-
MONO	1	-	-	-	-	1	-	-	-	-	-	-	-
MONTEREY	32	4	3	4	3	2	1	3	2	3	1	4	2
NAPA	5	-	-	-	2	-	-	1	1	-	1	-	-
NEVADA	6	-	-	2	-	2	-	-	1	1	-	-	-
ORANGE	179	21	11	10	15	13	13	15	11	20	23	11	16
PLACER	18	-	2	2	2	1	-	2	-	1	2	4	2
PLUMAS	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE	160	18	14	10	8	15	14	13	9	15	15	16	13
SACRAMENTO	114	6	11	3	7	5	9	13	8	17	12	11	12
SAN BENITO	2	-	-	-	-	-	-	-	-	-	2	-	-
SAN BERNARDINO	219	16	27	16	15	11	20	21	19	13	14	21	26
SAN DIEGO	246	19	19	16	21	18	13	18	28	21	24	26	23
SAN FRANCISCO	31	3	4	3	4	3	2	5	1	1	2	2	1
SAN JOAQUIN	74	8	5	4	3	4	4	8	7	12	6	2	11
SAN LUIS OBISPO	17	5	-	-	2	2	1	1	-	-	1	2	3
SAN MATEO	36	6	-	2	3	1	4	6	4	3	4	1	2
SANTA BARBARA	28	6	-	1	-	2	2	3	3	1	4	-	6
SANTA CLARA	119	7	9	10	12	9	11	10	9	6	20	6	10
SANTA CRUZ	17	2	-	1	1	1	1	1	1	-	6	2	1
SHASTA	10	2	1	2	-	-	-	2	1	-	2	-	-
SIERRA	-	-	-	-	-	-	-	-	-	-	-	-	-
SISKIYOU	3	-	-	-	-	-	-	1	1	-	-	1	-
SOLANO	19	1	2	2	3	-	1	-	3	1	2	4	-
SONOMA	15	1	-	2	2	-	1	1	2	1	1	3	1
STANISLAUS	52	7	4	-	3	7	4	6	4	6	2	5	4
SUTTER	7	1	1	-	2	2	-	-	-	-	-	-	1
TEHAMA	7	1	-	1	-	-	1	-	-	2	-	1	1
TRINITY	1	1	-	-	-	-	-	-	-	-	-	-	-
TULARE	32	1	3	-	2	4	6	2	3	-	1	4	6
TUOLUMNE	-	-	-	-	-	-	-	-	-	-	-	-	-
VENTURA	90	11	7	11	8	9	4	9	9	6	6	7	3
YOLO	7	1	-	-	1	2	-	-	1	-	2	-	-
YUBA	6	1	-	-	-	-	4	-	-	-	-	-	1

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Death Records.

TABLE 4-13. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE/ETHNIC GROUP<sup>1</sup>  
OF CHILD, CALIFORNIA COUNTIES, 2004 (By Place of Residence)

COUNTY AND RACE/ETHNIC GROUP	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>CALIFORNIA</b>	<b>2,811</b>	<b>1,583</b>	<b>1,228</b>	<b>1,904</b>	<b>1,081</b>	<b>823</b>	<b>907</b>	<b>502</b>	<b>405</b>
HISPANIC	1,426	810	616	988	571	417	438	239	199
NON-HISPANIC									
2 OR MORE RACES	90	49	41	57	34	23	33	15	18
AMERICAN INDIAN	10	7	3	6	4	2	4	3	1
ASIAN	183	106	77	117	69	48	66	37	29
BLACK	343	198	145	221	125	96	122	73	49
PACIFIC ISLANDER	20	12	8	13	8	5	7	4	3
WHITE	730	400	330	494	269	225	236	131	105
UNKNOWN	9	1	8	8	1	7	1	-	1
<b>ALAMEDA</b>	<b>111</b>	<b>59</b>	<b>52</b>	<b>75</b>	<b>39</b>	<b>36</b>	<b>36</b>	<b>20</b>	<b>16</b>
HISPANIC	39	23	16	27	16	11	12	7	5
NON-HISPANIC									
2 OR MORE RACES	6	4	2	5	3	2	1	1	-
ASIAN	26	12	14	17	6	11	9	6	3
BLACK	19	10	9	11	7	4	8	3	5
PACIFIC ISLANDER	1	1	-	1	1	-	-	-	-
WHITE	20	9	11	14	6	8	6	3	3
<b>ALPINE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>AMADOR</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>1</b>
NON-HISPANIC	-	-	-	-	-	-	-	-	-
WHITE	3	2	1	1	1	-	2	1	1
<b>BUTTE</b>	<b>14</b>	<b>7</b>	<b>7</b>	<b>8</b>	<b>5</b>	<b>3</b>	<b>6</b>	<b>2</b>	<b>4</b>
HISPANIC	2	1	1	1	1	-	1	-	1
NON-HISPANIC									
WHITE	12	6	6	7	4	3	5	2	3
<b>CALAVERAS</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>
HISPANIC	1	-	1	1	-	1	-	-	-
NON-HISPANIC									
WHITE	1	1	-	1	1	-	-	-	-
<b>COLUSA</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
AMERICAN INDIAN	1	1	-	1	1	-	-	-	-
<b>CONTRA COSTA</b>	<b>51</b>	<b>31</b>	<b>20</b>	<b>36</b>	<b>23</b>	<b>13</b>	<b>15</b>	<b>8</b>	<b>7</b>
HISPANIC	29	17	12	23	15	8	6	2	4
NON-HISPANIC									
2 OR MORE RACES	3	1	2	2	1	1	1	-	1
ASIAN	2	-	2	-	-	-	2	-	2
BLACK	8	6	2	4	2	2	4	4	-
PACIFIC ISLANDER	1	1	-	1	1	-	-	-	-
WHITE	8	6	2	6	4	2	2	2	-
<b>DEL NORTE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>EL DORADO</b>	<b>10</b>	<b>7</b>	<b>3</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>3</b>	<b>1</b>
HISPANIC	2	1	1	1	-	1	1	1	-
NON-HISPANIC									
BLACK	1	1	-	1	1	-	-	-	-
WHITE	7	5	2	4	3	1	3	2	1
<b>FRESNO</b>	<b>128</b>	<b>74</b>	<b>54</b>	<b>91</b>	<b>53</b>	<b>38</b>	<b>37</b>	<b>21</b>	<b>16</b>
HISPANIC	78	45	33	54	32	22	24	13	11
NON-HISPANIC									
2 OR MORE RACES	1	1	-	1	1	-	-	-	-
AMERICAN INDIAN	1	-	1	1	-	1	-	-	-
ASIAN	10	10	-	8	8	-	2	2	-
BLACK	15	9	6	8	5	3	7	4	3
PACIFIC ISLANDER	1	-	1	-	-	-	1	-	1
WHITE	22	9	13	19	7	12	3	2	1
<b>GLENN</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>HUMBOLDT</b>	<b>7</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>-</b>	<b>4</b>	<b>3</b>	<b>1</b>
HISPANIC	2	2	-	1	1	-	1	1	-
NON-HISPANIC									
2 OR MORE RACES	1	1	-	-	-	-	1	1	-
AMERICAN INDIAN	1	-	1	-	-	-	1	-	1
WHITE	3	3	-	2	2	-	1	1	-

TABLE 4-13. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE/ETHNIC GROUP<sup>1</sup>  
OF CHILD, CALIFORNIA COUNTIES, 2004 (By Place of Residence)--Cont. 2 of 5

COUNTY AND RACE/ETHNIC GROUP	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>IMPERIAL</b>	<b>16</b>	<b>8</b>	<b>8</b>	<b>10</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>3</b>	<b>3</b>
HISPANIC	15	7	8	9	4	5	6	3	3
NON-HISPANIC									
WHITE	1	1	-	1	1	-	-	-	-
<b>INYO</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>
HISPANIC	1	-	1	-	-	-	1	-	1
<b>KERN</b>	<b>95</b>	<b>49</b>	<b>46</b>	<b>67</b>	<b>31</b>	<b>36</b>	<b>28</b>	<b>18</b>	<b>10</b>
HISPANIC	54	29	25	40	20	20	14	9	5
NON-HISPANIC									
2 OR MORE RACES	2	1	1	1	-	1	1	1	-
ASIAN	2	1	1	-	-	-	2	1	1
BLACK	8	4	4	7	3	4	1	1	-
WHITE	29	14	15	19	8	11	10	6	4
<b>KINGS</b>	<b>19</b>	<b>15</b>	<b>4</b>	<b>14</b>	<b>11</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>1</b>
HISPANIC	12	9	3	9	7	2	3	2	1
NON-HISPANIC									
BLACK	1	1	-	-	-	-	1	1	-
WHITE	6	5	1	5	4	1	1	1	-
<b>LAKE</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>1</b>
AMERICAN INDIAN	1	1	-	1	1	-	-	-	-
WHITE	2	1	1	-	-	-	2	1	1
<b>LASSEN</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>LOS ANGELES</b>	<b>757</b>	<b>430</b>	<b>327</b>	<b>504</b>	<b>295</b>	<b>209</b>	<b>253</b>	<b>135</b>	<b>118</b>
HISPANIC	428	251	177	292	178	114	136	73	63
NON-HISPANIC									
2 OR MORE RACES	17	11	6	10	7	3	7	4	3
ASIAN	44	25	19	28	17	11	16	8	8
BLACK	129	70	59	78	42	36	51	28	23
PACIFIC ISLANDER	6	4	2	4	2	2	2	2	-
WHITE	130	69	61	89	49	40	41	20	21
UNKNOWN	3	-	3	3	-	3	-	-	-
<b>MADERA</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>
HISPANIC	5	2	3	5	2	3	-	-	-
NON-HISPANIC									
BLACK	1	1	-	1	1	-	-	-	-
<b>MARIN</b>	<b>4</b>	<b>4</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>-</b>
NON-HISPANIC									
ASIAN	1	1	-	-	-	-	1	1	-
WHITE	3	3	-	2	2	-	1	1	-
<b>MARIPOSA</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>
NON-HISPANIC									
WHITE	1	-	1	1	-	1	-	-	-
<b>MENDOCINO</b>	<b>10</b>	<b>7</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>5</b>	<b>1</b>
HISPANIC	3	3	-	1	1	-	2	2	-
NON-HISPANIC									
2 OR MORE RACES	1	-	1	-	-	-	1	-	1
AMERICAN INDIAN	3	3	-	1	1	-	2	2	-
WHITE	3	1	2	2	-	2	1	1	-
<b>MERCED</b>	<b>19</b>	<b>11</b>	<b>8</b>	<b>14</b>	<b>8</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>2</b>
HISPANIC	11	8	3	8	6	2	3	2	1
NON-HISPANIC									
2 OR MORE RACES	1	-	1	1	-	1	-	-	-
BLACK	1	1	-	1	1	-	-	-	-
WHITE	6	2	4	4	1	3	2	1	1
<b>MODOC</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>MONO</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>
HISPANIC	1	-	1	1	-	1	-	-	-
<b>MONTEREY</b>	<b>32</b>	<b>16</b>	<b>16</b>	<b>18</b>	<b>8</b>	<b>10</b>	<b>14</b>	<b>8</b>	<b>6</b>
HISPANIC	23	12	11	14	7	7	9	5	4
NON-HISPANIC									
2 OR MORE RACES	1	-	1	1	-	1	-	-	-
WHITE	8	4	4	3	1	2	5	3	2

TABLE 4-13. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE/ETHNIC GROUP<sup>1</sup>  
OF CHILD, CALIFORNIA COUNTIES, 2004 (By Place of Residence)--Cont. 3 of 5

COUNTY AND RACE/ETHNIC GROUP	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>NAPA</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>
HISPANIC	4	2	2	3	1	2	1	1	-
NON-HISPANIC									
WHITE	1	-	1	-	-	-	1	-	1
<b>NEVADA</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>-</b>
HISPANIC	2	-	2	2	-	2	-	-	-
NON-HISPANIC									
WHITE	4	2	2	3	1	2	1	1	-
<b>ORANGE</b>	<b>179</b>	<b>99</b>	<b>80</b>	<b>129</b>	<b>71</b>	<b>58</b>	<b>50</b>	<b>28</b>	<b>22</b>
HISPANIC	102	55	47	76	39	37	26	16	10
NON-HISPANIC									
2 OR MORE RACES	4	3	1	2	2	-	2	1	1
ASIAN	16	11	5	11	7	4	5	4	1
BLACK	3	-	3	3	-	3	-	-	-
PACIFIC ISLANDER	1	1	-	1	1	-	-	-	-
WHITE	53	29	24	36	22	14	17	7	10
<b>PLACER</b>	<b>18</b>	<b>7</b>	<b>11</b>	<b>10</b>	<b>4</b>	<b>6</b>	<b>8</b>	<b>3</b>	<b>5</b>
HISPANIC	6	1	5	3	1	2	3	-	3
NON-HISPANIC									
2 OR MORE RACES	4	1	3	3	-	3	1	1	-
WHITE	8	5	3	4	3	1	4	2	2
<b>PLUMAS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>RIVERSIDE</b>	<b>160</b>	<b>93</b>	<b>67</b>	<b>93</b>	<b>56</b>	<b>37</b>	<b>67</b>	<b>37</b>	<b>30</b>
HISPANIC	95	56	39	59	32	27	36	24	12
NON-HISPANIC									
2 OR MORE RACES	3	3	-	2	2	-	1	1	-
ASIAN	2	-	2	-	-	-	2	-	2
BLACK	10	9	1	7	7	-	3	2	1
WHITE	50	25	25	25	15	10	25	10	15
<b>SACRAMENTO</b>	<b>114</b>	<b>53</b>	<b>61</b>	<b>73</b>	<b>35</b>	<b>38</b>	<b>41</b>	<b>18</b>	<b>23</b>
HISPANIC	27	12	15	17	7	10	10	5	5
NON-HISPANIC									
2 OR MORE RACES	10	3	7	4	3	1	6	-	6
ASIAN	13	8	5	8	6	2	5	2	3
BLACK	30	16	14	21	10	11	9	6	3
WHITE	34	14	20	23	9	14	11	5	6
<b>SAN BENITO</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>1</b>
HISPANIC	1	-	1	-	-	-	1	-	1
NON-HISPANIC									
WHITE	1	-	1	1	-	1	-	-	-
<b>SAN BERNARDINO</b>	<b>219</b>	<b>134</b>	<b>85</b>	<b>163</b>	<b>101</b>	<b>62</b>	<b>56</b>	<b>33</b>	<b>23</b>
HISPANIC	109	63	46	81	50	31	28	13	15
NON-HISPANIC									
2 OR MORE RACES	5	4	1	4	3	1	1	1	-
BLACK	49	35	14	35	25	10	14	10	4
PACIFIC ISLANDER	1	1	-	-	-	-	1	1	-
WHITE	55	31	24	43	23	20	12	8	4
<b>SAN DIEGO</b>	<b>246</b>	<b>133</b>	<b>113</b>	<b>181</b>	<b>95</b>	<b>86</b>	<b>65</b>	<b>38</b>	<b>27</b>
HISPANIC	104	61	43	71	40	31	33	21	12
NON-HISPANIC									
2 OR MORE RACES	14	8	6	9	7	2	5	1	4
AMERICAN INDIAN	3	2	1	2	1	1	1	1	-
ASIAN	13	8	5	11	7	4	2	1	1
BLACK	25	14	11	17	8	9	8	6	2
PACIFIC ISLANDER	1	-	1	1	-	1	-	-	-
WHITE	81	39	42	65	31	34	16	8	8
UNKNOWN	5	1	4	5	1	4	-	-	-
<b>SAN FRANCISCO</b>	<b>31</b>	<b>15</b>	<b>16</b>	<b>23</b>	<b>12</b>	<b>11</b>	<b>8</b>	<b>3</b>	<b>5</b>
HISPANIC	5	4	1	4	3	1	1	1	-
NON-HISPANIC									
2 OR MORE RACES	1	-	1	1	-	1	-	-	-
ASIAN	6	4	2	5	4	1	1	-	1

TABLE 4-13. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE/ETHNIC GROUP<sup>1</sup>  
OF CHILD, CALIFORNIA COUNTIES, 2004 (By Place of Residence)--Cont. 4 of 5

COUNTY AND RACE/ETHNIC GROUP	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
BLACK	12	3	9	6	1	5	6	2	4
WHITE	7	4	3	7	4	3	-	-	-
<b>SAN JOAQUIN</b>	<b>74</b>	<b>41</b>	<b>33</b>	<b>48</b>	<b>27</b>	<b>21</b>	<b>26</b>	<b>14</b>	<b>12</b>
HISPANIC	28	14	14	19	11	8	9	3	6
NON-HISPANIC									
2 OR MORE RACES	5	2	3	2	-	2	3	2	1
ASIAN	8	4	4	4	2	2	4	2	2
BLACK	14	7	7	10	5	5	4	2	2
WHITE	19	14	5	13	9	4	6	5	1
<b>SAN LUIS OBISPO</b>	<b>17</b>	<b>12</b>	<b>5</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>8</b>	<b>5</b>	<b>3</b>
HISPANIC	9	5	4	3	2	1	6	3	3
NON-HISPANIC									
WHITE	8	7	1	6	5	1	2	2	-
<b>SAN MATEO</b>	<b>36</b>	<b>23</b>	<b>13</b>	<b>30</b>	<b>19</b>	<b>11</b>	<b>6</b>	<b>4</b>	<b>2</b>
HISPANIC	18	13	5	14	10	4	4	3	1
NON-HISPANIC									
2 OR MORE RACES	2	1	1	2	1	1	-	-	-
ASIAN	3	1	2	2	1	1	1	-	1
BLACK	2	2	-	2	2	-	-	-	-
PACIFIC ISLANDER	2	1	1	2	1	1	-	-	-
WHITE	9	5	4	8	4	4	1	1	-
<b>SANTA BARBARA</b>	<b>28</b>	<b>19</b>	<b>9</b>	<b>15</b>	<b>11</b>	<b>4</b>	<b>13</b>	<b>8</b>	<b>5</b>
HISPANIC	19	12	7	10	6	4	9	6	3
NON-HISPANIC									
BLACK	1	1	-	-	-	-	1	1	-
WHITE	8	6	2	5	5	-	3	1	2
<b>SANTA CLARA</b>	<b>119</b>	<b>69</b>	<b>50</b>	<b>80</b>	<b>46</b>	<b>34</b>	<b>39</b>	<b>23</b>	<b>16</b>
HISPANIC	49	29	20	32	20	12	17	9	8
NON-HISPANIC									
2 OR MORE RACES	1	1	-	1	1	-	-	-	-
ASIAN	29	17	12	20	10	10	9	7	2
BLACK	7	5	2	4	3	1	3	2	1
PACIFIC ISLANDER	4	2	2	2	1	1	2	1	1
WHITE	29	15	14	21	11	10	8	4	4
<b>SANTA CRUZ</b>	<b>17</b>	<b>10</b>	<b>7</b>	<b>11</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>4</b>	<b>2</b>
HISPANIC	10	5	5	8	4	4	2	1	1
NON-HISPANIC									
2 OR MORE RACES	1	1	-	-	-	-	1	1	-
ASIAN	1	-	1	-	-	-	1	-	1
WHITE	5	4	1	3	2	1	2	2	-
<b>SHASTA</b>	<b>10</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>2</b>
HISPANIC	3	1	2	3	1	2	-	-	-
NON-HISPANIC									
WHITE	7	4	3	2	1	1	5	3	2
<b>SIERRA</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>SISKIYOU</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>2</b>	<b>1</b>
HISPANIC	1	-	1	-	-	-	1	-	1
NON-HISPANIC									
WHITE	2	2	-	-	-	-	2	2	-
<b>SOLANO</b>	<b>19</b>	<b>10</b>	<b>9</b>	<b>11</b>	<b>7</b>	<b>4</b>	<b>8</b>	<b>3</b>	<b>5</b>
HISPANIC	6	4	2	5	3	2	1	1	-
NON-HISPANIC									
2 OR MORE RACES	1	1	-	1	1	-	-	-	-
ASIAN	1	-	1	1	-	1	-	-	-
BLACK	2	-	2	1	-	1	1	-	1
PACIFIC ISLANDER	1	-	1	-	-	-	1	-	1
WHITE	8	5	3	3	3	-	5	2	3
<b>SONOMA</b>	<b>15</b>	<b>9</b>	<b>6</b>	<b>10</b>	<b>7</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>3</b>
HISPANIC	6	3	3	5	3	2	1	-	1
NON-HISPANIC									
PACIFIC ISLANDER	1	1	-	1	1	-	-	-	-
WHITE	8	5	3	4	3	1	4	2	2

TABLE 4-13. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE/ETHNIC GROUP<sup>1</sup>  
OF CHILD, CALIFORNIA COUNTIES, 2004 (By Place of Residence)--Cont. 5 of 5

COUNTY AND RACE/ETHNIC GROUP	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>STANISLAUS</b>	<b>52</b>	<b>33</b>	<b>19</b>	<b>41</b>	<b>26</b>	<b>15</b>	<b>11</b>	<b>7</b>	<b>4</b>
HISPANIC	30	18	12	27	18	9	3	-	3
NON-HISPANIC									
2 OR MORE RACES	1	1	-	1	1	-	-	-	-
ASIAN	2	-	2	1	-	1	1	-	1
BLACK	3	3	-	2	2	-	1	1	-
WHITE	16	11	5	10	5	5	6	6	-
<b>SUTTER</b>	<b>7</b>	<b>7</b>	<b>-</b>	<b>6</b>	<b>6</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>
HISPANIC	2	2	-	2	2	-	-	-	-
NON-HISPANIC									
2 OR MORE RACES	1	1	-	1	1	-	-	-	-
WHITE	4	4	-	3	3	-	1	1	-
<b>TEHAMA</b>	<b>7</b>	<b>5</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>5</b>	<b>2</b>
HISPANIC	1	-	1	-	-	-	1	-	1
NON-HISPANIC									
WHITE	6	5	1	-	-	-	6	5	1
<b>TRINITY</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>
NON-HISPANIC									
WHITE	1	-	1	1	-	1	-	-	-
<b>TULARE</b>	<b>32</b>	<b>17</b>	<b>15</b>	<b>19</b>	<b>12</b>	<b>7</b>	<b>13</b>	<b>5</b>	<b>8</b>
HISPANIC	24	14	10	15	11	4	9	3	6
NON-HISPANIC									
ASIAN	1	1	-	-	-	-	1	1	-
BLACK	1	-	1	1	-	1	-	-	-
WHITE	5	2	3	3	1	2	2	1	1
UNKNOWN	1	-	1	-	-	-	1	-	1
<b>TUOLUMNE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>VENTURA</b>	<b>90</b>	<b>43</b>	<b>47</b>	<b>63</b>	<b>27</b>	<b>36</b>	<b>27</b>	<b>16</b>	<b>11</b>
HISPANIC	56	25	31	40	16	24	16	9	7
NON-HISPANIC									
2 OR MORE RACES	2	-	2	2	-	2	-	-	-
ASIAN	3	3	-	1	1	-	2	2	-
BLACK	1	-	1	1	-	1	-	-	-
WHITE	28	15	13	19	10	9	9	5	4
<b>YOLO</b>	<b>7</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>
HISPANIC	2	-	2	1	-	1	1	-	1
NON-HISPANIC									
2 OR MORE RACES	1	-	1	1	-	1	-	-	-
WHITE	4	3	1	2	2	-	2	1	1
<b>YUBA</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>1</b>
HISPANIC	1	1	-	1	1	-	-	-	-
NON-HISPANIC									
2 OR MORE RACES	1	-	1	-	-	-	1	-	1
WHITE	4	3	1	4	3	1	-	-	-

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>2</sup> Infant deaths are under one year of age.

<sup>3</sup> Neonatal deaths are deaths under 28 days of age.

<sup>4</sup> Postneonatal deaths are deaths occurring on the 28th day and up to one year of age.

- Represents zero events.

Source: State of California, Department of Health Services, Death Records.

TABLE 4-14. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE<sup>1</sup> OF CHILD,  
CALIFORNIA COUNTIES, 2004 (By Place of Residence)

COUNTY AND RACE	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>CALIFORNIA</b>	<b>2811</b>	<b>1583</b>	<b>1228</b>	<b>1,904</b>	<b>1,081</b>	<b>823</b>	<b>907</b>	<b>502</b>	<b>405</b>
2 OR MORE RACES	133	75	58	86	52	34	47	23	24
AMERICAN INDIAN	11	7	4	7	4	3	4	3	1
BLACK	353	206	147	228	132	96	125	74	51
CAMBODIAN	3	2	1	3	2	1	-	-	-
CHINESE	32	15	17	20	9	11	12	6	6
ESKIMO / ALEUT	-	-	-	-	-	-	-	-	-
FILIPINO	57	37	20	37	25	12	20	12	8
GUAMANIAN	1	-	1	-	-	-	1	-	1
HAWAIIAN	-	-	-	-	-	-	-	-	-
HMONG	10	7	3	5	3	2	5	4	1
INDIAN (INDIA)	22	11	11	13	6	7	9	5	4
JAPANESE	9	7	2	8	7	1	1	-	1
KOREAN	12	6	6	5	3	2	7	3	4
LAOTIAN	7	4	3	3	2	1	4	2	2
SAMOAN	7	3	4	4	1	3	3	2	1
THAI	2	2	-	1	1	-	1	1	-
VIETNAMESE	24	12	12	21	10	11	3	2	1
WHITE	2,089	1,169	920	1,434	809	625	655	360	295
OTHER ASIAN	11	6	5	7	4	3	4	2	2
OTHER PAC ISLND	13	9	4	9	7	2	4	2	2
OTHER RACE	6	4	2	5	3	2	1	1	-
UNKNOWN	9	1	8	8	1	7	1	-	1
<b>ALAMEDA</b>	<b>111</b>	<b>59</b>	<b>52</b>	<b>75</b>	<b>39</b>	<b>36</b>	<b>36</b>	<b>20</b>	<b>16</b>
2 OR MORE RACES	9	4	5	8	3	5	1	1	-
BLACK	20	11	9	12	8	4	8	3	5
CHINESE	5	2	3	1	-	1	4	2	2
FILIPINO	8	4	4	4	1	3	4	3	1
INDIAN (INDIA)	7	4	3	6	3	3	1	1	-
KOREAN	1	-	1	1	-	1	-	-	-
LAOTIAN	1	-	1	1	-	1	-	-	-
VIETNAMESE	3	1	2	3	1	2	-	-	-
WHITE	55	31	24	37	21	16	18	10	8
OTHER ASIAN	1	1	-	1	1	-	-	-	-
OTHER PAC ISLND	1	1	-	1	1	-	-	-	-
<b>ALPINE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>AMADOR</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>1</b>
WHITE	3	2	1	1	1	-	2	1	1
<b>BUTTE</b>	<b>14</b>	<b>7</b>	<b>7</b>	<b>8</b>	<b>5</b>	<b>3</b>	<b>6</b>	<b>2</b>	<b>4</b>
2 OR MORE RACES	1	-	1	-	-	-	1	-	1
WHITE	13	7	6	8	5	3	5	2	3
<b>CALAVERAS</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>
WHITE	2	1	1	2	1	1	-	-	-
<b>COLUSA</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
AMERICAN INDIAN	1	1	-	1	1	-	-	-	-
<b>CONTRA COSTA</b>	<b>51</b>	<b>31</b>	<b>20</b>	<b>36</b>	<b>23</b>	<b>13</b>	<b>15</b>	<b>8</b>	<b>7</b>
2 OR MORE RACES	6	2	4	5	2	3	1	-	1
BLACK	9	6	3	4	2	2	5	4	1
CHINESE	1	-	1	-	-	-	1	-	1
FILIPINO	2	-	2	1	-	1	1	-	1
WHITE	32	22	10	25	18	7	7	4	3
OTHER PAC ISLND	1	1	-	1	1	-	-	-	-
<b>DEL NORTE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>EL DORADO</b>	<b>10</b>	<b>7</b>	<b>3</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>3</b>	<b>1</b>
BLACK	1	1	-	1	1	-	-	-	-
WHITE	9	6	3	5	3	2	4	3	1

TABLE 4-14. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE<sup>1</sup> OF CHILD, CALIFORNIA COUNTIES, 2004 (By Place of Residence)--Cont. 2 of 5

COUNTY AND RACE	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>FRESNO</b>	<b>128</b>	<b>74</b>	<b>54</b>	<b>91</b>	<b>53</b>	<b>38</b>	<b>37</b>	<b>21</b>	<b>16</b>
2 OR MORE RACES	4	2	2	4	2	2	-	-	-
AMERICAN INDIAN	1	-	1	1	-	1	-	-	-
BLACK	17	11	6	10	7	3	7	4	3
CAMBODIAN	1	1	-	1	1	-	-	-	-
CHINESE	1	1	-	1	1	-	-	-	-
FILIPINO	1	1	-	1	1	-	-	-	-
HMONG	3	3	-	3	3	-	-	-	-
LAOTIAN	2	2	-	-	-	-	2	2	-
VIETNAMESE	1	1	-	1	1	-	-	-	-
WHITE	95	51	44	68	36	32	27	15	12
OTHER ASIAN	1	1	-	1	1	-	-	-	-
OTHER PAC ISLND	1	-	1	-	-	-	1	-	1
<b>GLENN</b>	-	-	-	-	-	-	-	-	-
<b>HUMBOLDT</b>	<b>7</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>-</b>	<b>4</b>	<b>3</b>	<b>1</b>
2 OR MORE RACES	1	1	-	-	-	-	1	1	-
AMERICAN INDIAN	1	-	1	-	-	-	1	-	1
WHITE	5	5	-	3	3	-	2	2	-
<b>IMPERIAL</b>	<b>16</b>	<b>8</b>	<b>8</b>	<b>10</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>3</b>	<b>3</b>
WHITE	16	8	8	10	5	5	6	3	3
<b>INYO</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>
2 OR MORE RACES	1	-	1	-	-	-	1	-	1
<b>KERN</b>	<b>95</b>	<b>49</b>	<b>46</b>	<b>67</b>	<b>31</b>	<b>36</b>	<b>28</b>	<b>18</b>	<b>10</b>
2 OR MORE RACES	3	1	2	2	-	2	1	1	-
BLACK	8	4	4	7	3	4	1	1	-
FILIPINO	1	1	-	-	-	-	1	1	-
WHITE	82	43	39	58	28	30	24	15	9
OTHER ASIAN	1	-	1	-	-	-	1	-	1
<b>KINGS</b>	<b>19</b>	<b>15</b>	<b>4</b>	<b>14</b>	<b>11</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>1</b>
BLACK	1	1	-	-	-	-	1	1	-
WHITE	18	14	4	14	11	3	4	3	1
<b>LAKE</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>1</b>
AMERICAN INDIAN	1	1	-	1	1	-	-	-	-
WHITE	2	1	1	-	-	-	2	1	1
<b>LASSEN</b>	-	-	-	-	-	-	-	-	-
<b>LOS ANGELES</b>	<b>757</b>	<b>430</b>	<b>327</b>	<b>504</b>	<b>295</b>	<b>209</b>	<b>253</b>	<b>135</b>	<b>118</b>
2 OR MORE RACES	27	17	10	17	12	5	10	5	5
BLACK	129	70	59	78	42	36	51	28	23
CHINESE	10	4	6	7	2	5	3	2	1
FILIPINO	18	13	5	14	10	4	4	3	1
INDIAN (INDIA)	5	2	3	3	1	2	2	1	1
JAPANESE	4	4	-	4	4	-	-	-	-
KOREAN	4	2	2	1	1	-	3	1	2
LAOTIAN	1	-	1	-	-	-	1	-	1
SAMOAN	4	2	2	3	1	2	1	1	-
THAI	1	1	-	-	-	-	1	1	-
VIETNAMESE	3	2	1	2	2	-	1	-	1
WHITE	543	310	233	369	218	151	174	92	82
OTHER ASIAN	2	-	2	1	-	1	1	-	1
OTHER PAC ISLND	2	2	-	1	1	-	1	1	-
OTHER RACE	1	1	-	1	1	-	-	-	-
UNKNOWN	3	-	3	3	-	3	-	-	-
<b>MADERA</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>
BLACK	1	1	-	1	1	-	-	-	-
WHITE	5	2	3	5	2	3	-	-	-
<b>MARIN</b>	<b>4</b>	<b>4</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>-</b>
INDIAN (INDIA)	1	1	-	-	-	-	1	1	-
WHITE	3	3	-	2	2	-	1	1	-



TABLE 4-14. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE<sup>1</sup> OF CHILD,  
CALIFORNIA COUNTIES, 2004 (By Place of Residence)--Cont. 3 of 5

COUNTY AND RACE	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>MARIPOSA</b>	<b>1</b>	-	<b>1</b>	<b>1</b>	-	<b>1</b>	-	-	-
WHITE	1	-	1	1	-	1	-	-	-
<b>MENDOCINO</b>	<b>10</b>	<b>7</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>5</b>	<b>1</b>
2 OR MORE RACES	1	-	1	-	-	-	1	-	1
AMERICAN INDIAN	3	3	-	1	1	-	2	2	-
WHITE	6	4	2	3	1	2	3	3	-
<b>MERCED</b>	<b>19</b>	<b>11</b>	<b>8</b>	<b>14</b>	<b>8</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>2</b>
2 OR MORE RACES	2	1	1	2	1	1	-	-	-
BLACK	1	1	-	1	1	-	-	-	-
WHITE	16	9	7	11	6	5	5	3	2
<b>MODOC</b>	-	-	-	-	-	-	-	-	-
<b>MONO</b>	<b>1</b>	-	<b>1</b>	<b>1</b>	-	<b>1</b>	-	-	-
WHITE	1	-	1	1	-	1	-	-	-
<b>MONTEREY</b>	<b>32</b>	<b>16</b>	<b>16</b>	<b>18</b>	<b>8</b>	<b>10</b>	<b>14</b>	<b>8</b>	<b>6</b>
2 OR MORE RACES	1	-	1	1	-	1	-	-	-
WHITE	31	16	15	17	8	9	14	8	6
<b>NAPA</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>
WHITE	5	2	3	3	1	2	2	1	1
<b>NEVADA</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>1</b>	-
WHITE	6	2	4	5	1	4	1	1	-
<b>ORANGE</b>	<b>179</b>	<b>99</b>	<b>80</b>	<b>129</b>	<b>71</b>	<b>58</b>	<b>50</b>	<b>28</b>	<b>22</b>
2 OR MORE RACES	6	5	1	3	3	-	3	2	1
BLACK	3	-	3	3	-	3	-	-	-
CHINESE	1	1	-	1	1	-	-	-	-
FILIPINO	3	2	1	2	2	-	1	-	1
JAPANESE	1	1	-	1	1	-	-	-	-
KOREAN	3	3	-	1	1	-	2	2	-
LAOTIAN	1	1	-	1	1	-	-	-	-
VIETNAMESE	5	2	3	4	1	3	1	1	-
WHITE	152	82	70	110	60	50	42	22	20
OTHER ASIAN	2	1	1	1	-	1	1	1	-
OTHER PAC ISLND	1	1	-	1	1	-	-	-	-
OTHER RACE	1	-	1	1	-	1	-	-	-
<b>PLACER</b>	<b>18</b>	<b>7</b>	<b>11</b>	<b>10</b>	<b>4</b>	<b>6</b>	<b>8</b>	<b>3</b>	<b>5</b>
2 OR MORE RACES	5	2	3	4	1	3	1	1	-
BLACK	1	-	1	-	-	-	1	-	1
WHITE	12	5	7	6	3	3	6	2	4
<b>PLUMAS</b>	-	-	-	-	-	-	-	-	-
<b>RIVERSIDE</b>	<b>160</b>	<b>93</b>	<b>67</b>	<b>93</b>	<b>56</b>	<b>37</b>	<b>67</b>	<b>37</b>	<b>30</b>
2 OR MORE RACES	8	7	1	3	3	-	5	4	1
BLACK	10	9	1	7	7	-	3	2	1
FILIPINO	1	-	1	-	-	-	1	-	1
GUAMANIAN	1	-	1	-	-	-	1	-	1
KOREAN	1	-	1	-	-	-	1	-	1
WHITE	138	76	62	82	45	37	56	31	25
OTHER RACE	1	1	-	1	1	-	-	-	-
<b>SACRAMENTO</b>	<b>114</b>	<b>53</b>	<b>61</b>	<b>73</b>	<b>35</b>	<b>38</b>	<b>41</b>	<b>18</b>	<b>23</b>
2 OR MORE RACES	10	3	7	4	3	1	6	-	6
BLACK	30	16	14	21	10	11	9	6	3
CAMBODIAN	1	1	-	1	1	-	-	-	-
CHINESE	2	-	2	1	-	1	1	-	1
FILIPINO	2	2	-	1	1	-	1	1	-
HMONG	2	1	1	-	-	-	2	1	1
INDIAN (INDIA)	1	1	-	1	1	-	-	-	-
LAOTIAN	2	1	1	1	1	-	1	-	1
VIETNAMESE	2	1	1	2	1	1	-	-	-
WHITE	61	26	35	40	16	24	21	10	11
OTHER ASIAN	1	1	-	1	1	-	-	-	-

TABLE 4-14. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE<sup>1</sup> OF CHILD, CALIFORNIA COUNTIES, 2004 (By Place of Residence)--Cont. 4 of 5

COUNTY AND RACE	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>SAN BENITO</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>1</b>
WHITE	2	-	2	1	-	1	1	-	1
<b>SAN BERNARDINO</b>	<b>219</b>	<b>134</b>	<b>85</b>	<b>163</b>	<b>101</b>	<b>62</b>	<b>56</b>	<b>33</b>	<b>23</b>
2 OR MORE RACES	8	6	2	5	4	1	3	2	1
BLACK	51	37	14	37	27	10	14	10	4
WHITE	158	89	69	120	69	51	38	20	18
OTHER PAC ISLND	1	1	-	-	-	-	1	1	-
OTHER RACE	1	1	-	1	1	-	-	-	-
<b>SAN DIEGO</b>	<b>246</b>	<b>133</b>	<b>113</b>	<b>181</b>	<b>95</b>	<b>86</b>	<b>65</b>	<b>38</b>	<b>27</b>
2 OR MORE RACES	18	12	6	12	10	2	6	2	4
AMERICAN INDIAN	3	2	1	2	1	1	1	1	-
BLACK	26	15	11	17	8	9	9	7	2
CHINESE	1	1	-	1	1	-	-	-	-
FILIPINO	7	5	2	5	4	1	2	1	1
SAMOAN	1	-	1	1	-	1	-	-	-
VIETNAMESE	5	2	3	5	2	3	-	-	-
WHITE	180	95	85	133	68	65	47	27	20
UNKNOWN	5	1	4	5	1	4	-	-	-
<b>SAN FRANCISCO</b>	<b>31</b>	<b>15</b>	<b>16</b>	<b>23</b>	<b>12</b>	<b>11</b>	<b>8</b>	<b>3</b>	<b>5</b>
2 OR MORE RACES	1	-	1	1	-	1	-	-	-
BLACK	12	3	9	6	1	5	6	2	4
CHINESE	4	2	2	3	2	1	1	-	1
JAPANESE	1	1	-	1	1	-	-	-	-
WHITE	11	7	4	11	7	4	-	-	-
OTHER ASIAN	1	1	-	1	1	-	-	-	-
OTHER RACE	1	1	-	-	-	-	1	1	-
<b>SAN JOAQUIN</b>	<b>74</b>	<b>41</b>	<b>33</b>	<b>48</b>	<b>27</b>	<b>21</b>	<b>26</b>	<b>14</b>	<b>12</b>
2 OR MORE RACES	6	3	3	3	1	2	3	2	1
BLACK	16	9	7	12	7	5	4	2	2
FILIPINO	3	2	1	2	2	-	1	-	1
HMONG	4	2	2	2	-	2	2	2	-
KOREAN	1	-	1	-	-	-	1	-	1
WHITE	44	25	19	29	17	12	15	8	7
<b>SAN LUIS OBISPO</b>	<b>17</b>	<b>12</b>	<b>5</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>8</b>	<b>5</b>	<b>3</b>
WHITE	17	12	5	9	7	2	8	5	3
<b>SAN MATEO</b>	<b>36</b>	<b>23</b>	<b>13</b>	<b>30</b>	<b>19</b>	<b>11</b>	<b>6</b>	<b>4</b>	<b>2</b>
2 OR MORE RACES	4	2	2	4	2	2	-	-	-
BLACK	2	2	-	2	2	-	-	-	-
FILIPINO	1	1	-	1	1	-	-	-	-
JAPANESE	2	-	2	1	-	1	1	-	1
WHITE	24	17	7	19	13	6	5	4	1
OTHER PAC ISLND	2	1	1	2	1	1	-	-	-
OTHER RACE	1	-	1	1	-	1	-	-	-
<b>SANTA BARBARA</b>	<b>28</b>	<b>19</b>	<b>9</b>	<b>15</b>	<b>11</b>	<b>4</b>	<b>13</b>	<b>8</b>	<b>5</b>
2 OR MORE RACES	1	1	-	-	-	-	1	1	-
BLACK	1	1	-	-	-	-	1	1	-
WHITE	26	17	9	15	11	4	11	6	5
<b>SANTA CLARA</b>	<b>119</b>	<b>69</b>	<b>50</b>	<b>80</b>	<b>46</b>	<b>34</b>	<b>39</b>	<b>23</b>	<b>16</b>
2 OR MORE RACES	1	1	-	1	1	-	-	-	-
AMERICAN INDIAN	1	-	1	1	-	1	-	-	-
BLACK	7	5	2	4	3	1	3	2	1
CHINESE	7	4	3	5	2	3	2	2	-
FILIPINO	4	3	1	3	2	1	1	1	-
INDIAN (INDIA)	7	3	4	3	1	2	4	2	2
JAPANESE	1	1	-	1	1	-	-	-	-
KOREAN	2	1	1	2	1	1	-	-	-
SAMOAN	2	1	1	-	-	-	2	1	1
THAI	1	1	-	1	1	-	-	-	-
VIETNAMESE	5	3	2	4	2	2	1	1	-

TABLE 4-14. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE<sup>1</sup> OF CHILD, CALIFORNIA COUNTIES, 2004 (By Place of Residence)--Cont. 5 of 5

COUNTY AND RACE	INFANT <sup>2</sup>			NEONATAL <sup>3</sup>			POSTNEONATAL <sup>4</sup>		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
WHITE	77	44	33	52	31	21	25	13	12
OTHER ASIAN	2	1	1	1	-	1	1	1	-
OTHER PAC ISLND	2	1	1	2	1	1	-	-	-
<b>SANTA CRUZ</b>	<b>17</b>	<b>10</b>	<b>7</b>	<b>11</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>4</b>	<b>2</b>
2 OR MORE RACES	1	1	-	-	-	-	1	1	-
FILIPINO	1	-	1	-	-	-	1	-	1
WHITE	15	9	6	11	6	5	4	3	1
<b>SHASTA</b>	<b>10</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>2</b>
2 OR MORE RACES	1	1	-	1	1	-	-	-	-
WHITE	9	4	5	4	1	3	5	3	2
<b>SIERRA</b>	-	-	-	-	-	-	-	-	-
<b>SISKIYOU</b>	<b>3</b>	<b>2</b>	<b>1</b>	-	-	-	<b>3</b>	<b>2</b>	<b>1</b>
WHITE	3	2	1	-	-	-	3	2	1
<b>SOLANO</b>	<b>19</b>	<b>10</b>	<b>9</b>	<b>11</b>	<b>7</b>	<b>4</b>	<b>8</b>	<b>3</b>	<b>5</b>
2 OR MORE RACES	1	1	-	1	1	-	-	-	-
BLACK	2	-	2	1	-	1	1	-	1
FILIPINO	1	-	1	1	-	1	-	-	-
WHITE	14	9	5	8	6	2	6	3	3
OTHER PAC ISLND	1	-	1	-	-	-	1	-	1
<b>SONOMA</b>	<b>15</b>	<b>9</b>	<b>6</b>	<b>10</b>	<b>7</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>3</b>
WHITE	14	8	6	9	6	3	5	2	3
OTHER PAC ISLND	1	1	-	1	1	-	-	-	-
<b>STANISLAUS</b>	<b>52</b>	<b>33</b>	<b>19</b>	<b>41</b>	<b>26</b>	<b>15</b>	<b>11</b>	<b>7</b>	<b>4</b>
2 OR MORE RACES	1	1	-	1	1	-	-	-	-
BLACK	3	3	-	2	2	-	1	1	-
CAMBODIAN	1	-	1	1	-	1	-	-	-
INDIAN (INDIA)	1	-	1	-	-	-	1	-	1
WHITE	46	29	17	37	23	14	9	6	3
<b>SUTTER</b>	<b>7</b>	<b>7</b>	-	<b>6</b>	<b>6</b>	-	<b>1</b>	<b>1</b>	-
2 OR MORE RACES	1	1	-	1	1	-	-	-	-
WHITE	6	6	-	5	5	-	1	1	-
<b>TEHAMA</b>	<b>7</b>	<b>5</b>	<b>2</b>	-	-	-	<b>7</b>	<b>5</b>	<b>2</b>
WHITE	7	5	2	-	-	-	7	5	2
<b>TRINITY</b>	<b>1</b>	-	<b>1</b>	<b>1</b>	-	<b>1</b>	-	-	-
WHITE	1	-	1	1	-	1	-	-	-
<b>TULARE</b>	<b>32</b>	<b>17</b>	<b>15</b>	<b>19</b>	<b>12</b>	<b>7</b>	<b>13</b>	<b>5</b>	<b>8</b>
BLACK	1	-	1	1	-	1	-	-	-
HMONG	1	1	-	-	-	-	1	1	-
WHITE	29	16	13	18	12	6	11	4	7
UNKNOWN	1	-	1	-	-	-	1	-	1
<b>TUOLUMNE</b>	-	-	-	-	-	-	-	-	-
<b>VENTURA</b>	<b>90</b>	<b>43</b>	<b>47</b>	<b>63</b>	<b>27</b>	<b>36</b>	<b>27</b>	<b>16</b>	<b>11</b>
2 OR MORE RACES	2	-	2	2	-	2	-	-	-
BLACK	1	-	1	1	-	1	-	-	-
FILIPINO	4	3	1	2	1	1	2	2	-
WHITE	83	40	43	58	26	32	25	14	11
<b>YOLO</b>	<b>7</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>
2 OR MORE RACES	1	-	1	1	-	1	-	-	-
WHITE	6	3	3	3	2	1	3	1	2
<b>YUBA</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>1</b>	-	<b>1</b>
2 OR MORE RACES	1	-	1	-	-	-	1	-	1
WHITE	5	4	1	5	4	1	-	-	-

- Represents zero events.

<sup>1</sup> The list of races on this table is compiled by first identifying decedents who were reported as being of 2 or More Race Groups before tabulating single races. Unknown includes refused to state. This list is not comparable with Races used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>2</sup> Infant deaths are under one year of age.

<sup>3</sup> Neonatal deaths are deaths under 28 days of age.

<sup>4</sup> Postneonatal deaths are deaths occurring on the 28th day and up to one year of age.

Source: State of California, Department of Health Services, Death Records

TABLE 4-15. LEADING CAUSES OF INFANT DEATH, CALIFORNIA COUNTIES, 2004 (By Place of Residence).

COUNTY	Total Infant Deaths A00-Y89	Congenital Malform., Deform., and Chrom., and Abnorm. Q00-Q99	Disorders of Short Gestation and Low Birthweight P07	Sudden Infant Death Syndrome R95	Effect of Maternal Complic. of Pregnancy P01	Complic. of Placenta, Cord and Membrane P02	Respiratory Distress of Newborn P22	Neonatal Hemorrhage P50-P52,P54	Bacterial Sepsis of Newborn P36	Accidents V01-X59	Intrauterine Hypoxia and Birth Asphyxia P20-P21	Atelectasis P28.0-P28.1	Necrotizing Enterocolitis of Newborn P77	Diseases Circulatory System I00-I99	Influenza and Pneumonia J10-J18	Gastritis Duodenitis, and Noninfective Enteritis and Colitis K29,K50-K55	All Other Causes (Residual)
<b>CALIFORNIA</b>	<b>2,811</b>	<b>694</b>	<b>412</b>	<b>171</b>	<b>106</b>	<b>98</b>	<b>96</b>	<b>88</b>	<b>69</b>	<b>67</b>	<b>67</b>	<b>47</b>	<b>46</b>	<b>40</b>	<b>27</b>	<b>26</b>	<b>757</b>
ALAMEDA	111	22	24	15	-	1	2	2	3	-	6	1	1	4	2	1	27
Berkeley <sup>1</sup>	3	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-
ALPINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMADOR	3	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1
BUTTE	14	6	-	3	-	-	-	-	1	3	-	-	-	-	-	-	1
CALAVERAS	2	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
COLUSA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTRA COSTA	51	7	8	6	1	2	4	2	-	3	2	-	-	-	-	-	16
DEL NORTE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EL DORADO	10	4	-	1	-	-	-	-	-	1	1	-	-	-	-	-	3
FRESNO	128	31	16	5	6	7	7	1	-	3	4	2	3	-	1	2	40
GLENN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HUMBOLDT	7	2	-	2	1	-	-	-	-	-	-	-	-	1	-	-	1
IMPERIAL	16	5	-	-	-	-	-	1	-	1	-	2	-	1	-	-	6
INYO	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
KERN	95	27	13	3	5	5	6	1	-	1	2	1	3	3	3	-	22
KINGS	19	1	1	1	-	2	3	1	-	1	2	2	-	-	-	-	5
LAKE	3	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-
LASSEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOS ANGELES	757	167	137	14	20	23	25	27	23	11	14	6	14	9	9	8	250
Long Beach <sup>1</sup>	34	9	4	-	-	-	2	-	2	-	-	-	-	-	-	-	17
Pasadena <sup>1</sup>	12	1	3	-	1	-	1	-	-	-	-	-	2	-	-	-	4
MADERA	6	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	3
MARIN	4	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1
MARIPOSA	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MENDOCINO	10	3	1	-	-	-	-	-	-	2	1	-	-	-	-	-	3
MERCED	19	3	2	3	1	3	-	2	2	1	1	-	-	-	-	-	1
MODOC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONO	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MONTEREY	32	11	-	6	1	3	1	1	-	3	-	-	-	-	1	-	5
NAPA	5	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	1
NEVADA	6	3	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1
ORANGE	179	54	26	8	3	7	7	3	6	3	1	8	2	4	3	4	40

TABLE 4-15. LEADING CAUSES OF INFANT DEATH, CALIFORNIA COUNTIES, 2004 (By Place of Residence).--Cont. 2 of 2

COUNTY	Total Infant Deaths A00-Y89	Congenital Malform., Deform., and Chrom., Abnorm. Q00-Q99	Disorders of Short Gestation and Low Birthweight P07	Sudden Infant Death Syndrome R95	Effect of Maternal Complic. of Pregnancy P01	Complic. of Placenta, Cord and Membrane P02	Respiratory Distress of Newborn P22	Neonatal Hemorrhage P50-P52,P54	Bacterial Sepsis of Newborn P36	Accidents V01-X59	Intrauterine Hypoxia and Birth Asphyxia P20-P21	Alelectasis P28.0-P28.1	Necrotizing Enterocolitis of Newborn P77	Diseases Circulatory System I00-I99	Influenza and Pneumonia J10-J18	Gastritis, Duodenitis, and Noninfective Enteritis and Colitis K29,K50-K55	All Other Causes (Residual)
PLACER	18	5	2	2	3	-	-	-	-	-	2	-	-	-	-	-	4
PLUMAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE	160	42	17	8	6	6	2	3	5	3	4	4	3	4	1	2	50
SACRAMENTO	114	22	12	4	11	5	2	5	2	2	2	3	4	2	2	2	34
SAN BENITO	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAN BERNARDINO	219	54	36	18	13	2	6	3	8	3	5	5	3	2	-	-	61
SAN DIEGO	246	66	33	32	9	15	8	12	6	6	3	4	3	2	-	-	47
SAN FRANCISCO	31	3	9	1	3	1	-	3	1	2	2	-	1	-	-	-	5
SAN JOAQUIN	74	15	10	9	2	3	5	3	3	1	2	1	1	-	2	1	16
SAN LUIS OBISPO	17	5	-	1	-	1	-	1	-	-	1	1	1	-	-	-	6
SAN MATEO	36	12	4	1	-	3	-	1	1	1	4	-	-	-	-	-	9
SANTA BARBARA	28	6	1	2	3	2	2	-	-	-	-	-	-	-	-	1	11
SANTA CLARA	119	33	18	1	6	3	5	8	2	4	1	-	2	5	3	2	26
SANTA CRUZ	17	6	1	1	-	-	1	1	-	-	2	1	-	1	-	-	3
SHASTA	10	4	-	1	-	1	-	-	1	-	1	-	-	-	-	-	2
SIERRA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SISKIYOU	3	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-
SOLANO	19	7	2	2	1	-	2	-	-	-	-	1	-	-	-	-	4
SONOMA	15	2	2	2	1	-	1	2	-	-	-	1	-	-	-	-	4
STANISLAUS	52	9	13	2	7	1	2	1	-	3	2	1	2	-	-	1	8
SUTTER	7	1	2	-	-	-	-	-	1	-	-	-	-	1	-	-	2
TEHAMA	7	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	4
TRINITY	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
TULARE	32	14	4	-	-	1	1	-	-	4	-	-	-	-	-	-	8
TUOLUMNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VENTURA	90	28	15	10	3	1	2	2	4	1	1	-	3	-	-	1	19
YOLO	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
YUBA	6	2	-	-	-	-	-	1	-	-	-	1	-	-	-	-	2

- Represents zero events

1 City Health Department numbers are included in their respective county totals.

Note: Alphanumeric codes in the header are from the International Classification of Diseases, Tenth Revision, 1998

Source: State of California, Department of Health Services, Death Records.

TABLE 4-16. INFANT DEATHS BY BIRTHWEIGHT, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2003 (By Place of Residence) (Based on the California Birth Cohort File)

COUNTY	TOTAL	BIRTHWEIGHT					
		UNDER 500 GRAMS	500-999 GRAMS	1000-1499 GRAMS	1500-2499 GRAMS	2500 GRAMS AND OVER	UNKNOWN
<b>CALIFORNIA</b>	<b>2,865</b>	<b>545</b>	<b>737</b>	<b>174</b>	<b>418</b>	<b>903</b>	<b>88</b>
ALAMEDA	100	10	39	3	17	28	3
Berkeley <sup>1</sup>	4	-	1	-	-	3	-
ALPINE	-	-	-	-	-	-	-
AMADOR	2	-	-	-	-	2	-
BUTTE	17	2	3	2	2	7	1
CALAVERAS	1	-	1	-	-	-	-
COLUSA	1	-	1	-	-	-	-
CONTRA COSTA	46	4	11	3	9	17	2
DEL NORTE	3	-	1	-	1	1	-
EL DORADO	4	2	1	-	-	-	1
FRESNO	111	22	24	7	20	36	2
GLENN	2	1	-	-	-	1	-
HUMBOLDT	13	3	-	1	1	7	1
IMPERIAL	13	1	4	1	3	4	-
INYO	3	-	1	-	-	1	1
KERN	72	8	14	5	16	29	-
KINGS	16	6	2	-	3	5	-
LAKE	5	1	1	-	-	3	-
LASSEN	1	-	-	-	-	1	-
LOS ANGELES	825	160	232	47	128	221	37
Long Beach <sup>1</sup>	46	8	14	2	9	13	-
Pasadena <sup>1</sup>	11	9	-	-	2	-	-
MADERA	11	-	5	1	-	5	-
MARIN	14	3	5	1	3	2	-
MARIPOSA	-	-	-	-	-	-	-
MENDOCINO	8	1	3	-	-	4	-
MERCED	30	6	8	1	4	11	-
MODOC	-	-	-	-	-	-	-
MONO	-	-	-	-	-	-	-
MONTEREY	44	10	11	2	4	14	3
NAPA	3	-	-	2	1	-	-
NEVADA	1	-	-	-	-	1	-
ORANGE	196	21	66	14	32	61	2
PLACER	12	-	4	-	3	5	-
PLUMAS	-	-	-	-	-	-	-
RIVERSIDE	189	42	45	13	20	62	7
SACRAMENTO	105	24	16	5	14	42	4
SAN BENITO	3	1	-	-	-	2	-
SAN BERNARDINO	222	48	45	17	30	73	9
SAN DIEGO	221	64	48	9	28	64	8
SAN FRANCISCO	27	2	12	1	2	9	1
SAN JOAQUIN	67	15	17	4	4	27	-
SAN LUIS OBISPO	11	2	-	1	1	7	-
SAN MATEO	36	8	7	4	3	13	1
SANTA BARBARA	24	1	6	3	3	11	-
SANTA CLARA	116	22	38	9	16	31	-
SANTA CRUZ	18	3	3	-	3	9	-
SHASTA	15	2	2	-	1	9	1
SIERRA	1	-	-	-	-	-	1
SISKIYOU	2	-	-	-	1	1	-
SOLANO	27	7	8	1	4	7	-
SONOMA	23	3	7	1	7	5	-
STANISLAUS	53	14	12	5	8	13	1
SUTTER	4	-	2	-	1	1	-
TEHAMA	7	-	2	-	2	2	1
TRINITY	2	-	1	-	-	1	-
TULARE	49	10	9	5	7	18	-
TUOLUMNE	2	-	1	-	-	1	-
VENTURA	67	14	12	4	14	23	-
YOLO	13	2	3	2	-	5	1
YUBA	7	-	4	-	2	1	-

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals

Source: State of California, Department of Health Services, Birth Cohort Files.

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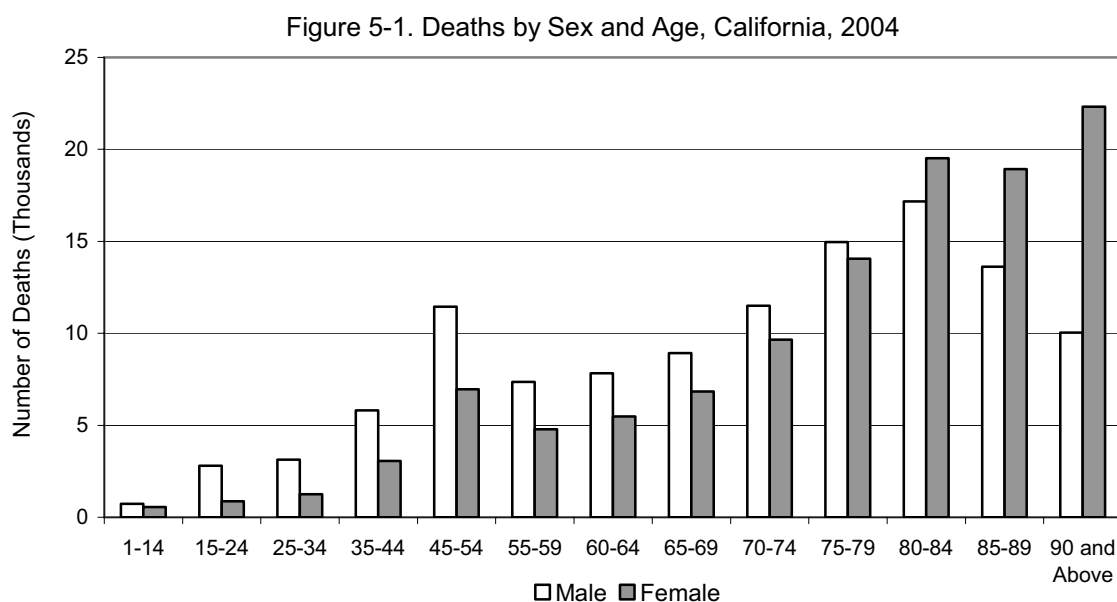
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## SUMMARY OF MORTALITY

The number of deaths to California residents decreased in 2004 to 232,464 from 239,325 in 2003. During this period the number of male deaths decreased by 3,227 to 116,934 deaths, while the number of female deaths decreased by 3,634 to 115,530 (Table 5-1).



The number of male deaths in 2004 continued to be greater than the number of female deaths in each age group from under 1 to 75-79 years old (Table 5-5).

Of the leading causes of death, male deaths exceeded female deaths for cancer, heart disease, cirrhosis, accidents, suicide, and homicide. Female deaths exceeded male deaths for diabetes, Alzheimer's disease, hypertension, stroke, influenza and pneumonia, and chronic lower respiratory diseases (CLRD) (Table 5-13).

In 2004 there were 33,376 Hispanic deaths, 14.4 percent of all deaths. Among the non-Hispanic decedents, there were 980 deaths of residents with Two or More Race Groups reported, 0.4 percent of all deaths. Among the remaining deaths with a single race group reported, there were 980 deaths of American Indians, 15,886 deaths of Asians, 18,289 deaths of Blacks, 623 deaths of Pacific Islanders, 162,083 deaths of Whites, and 19 deaths of Other race/ethnic groups (Table 5-5).

Among race groups that include residents of Hispanic origin in all race categories, there were 1,210 deaths of residents with Two or More Race Groups reported, 0.5 percent of all deaths. Among the remaining deaths with a single race reported, 194,679 deaths were White, 18,413 were Black, 4,699 were Chinese, 4,384 were Filipino, and 2,271 were Japanese. These five races comprised 96.6 percent of all deaths in 2004 (excluding unknown race). There were 6,569 deaths in the 15 remaining races; race was unknown for 239 deaths (Table 5-6).

### Crude Death Rates

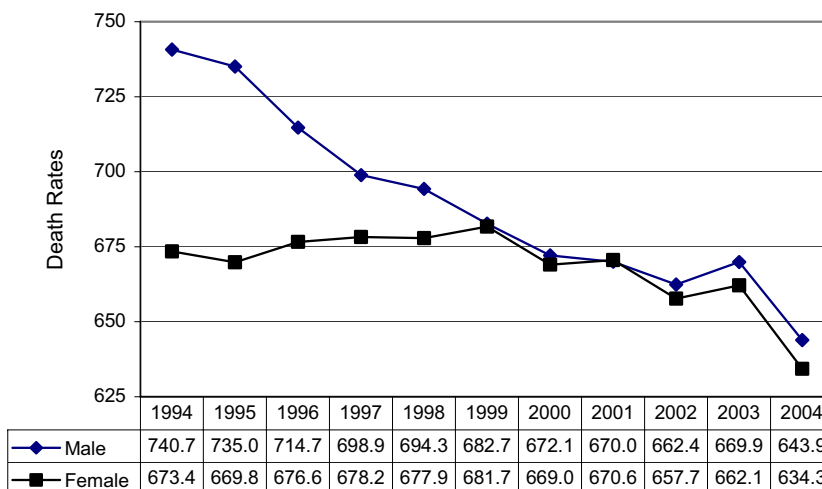
All 2000-2004 rates were calculated using population projections released May 2004. See table footnotes and Chapter 6 for details on population data.

The crude death rate for California residents in 2004 was 639.1, down from 666.0 deaths per 100,000 population in 2003 and down from the rate of 670.3 in 2001 (Table 5-1).

In 2004 the crude death rate for males was 643.9 per 100,000 male population, down 3.9 percent from 669.9 in 2003 and down 13.1 percent from the rate of 740.7 in 1994. The female crude death rate was 634.3 in 2004, down 4.2 percent from 662.1 in 2003 and down 5.8 percent from 673.4 in 1994 (Table 5-1 and Figure 5-2).

*Note: Crude death rates show the actual risk of dying in the population without considering the different age-specific rates of death. Age-adjusted and age-specific rates are the preferred rates used to evaluate trends over time or to compare rates by sex or race/ethnic groups. The chart to the right shows that male deaths have declined rapidly from 1994 to 2002, increasing in 2003 and decreasing in 2004. Female rates generally increased during 1994 to 1999, before turning down in 2000, up again in 2001 and 2003, and falling in 2004.*

Figure 5-2. Crude Death Rates by Sex, California, 1994-2004



## Age-Specific Death Rates

For males and females combined the age-specific death rates decreased between 2003 and 2004 in all age groups. The largest decrease was in the age group of 5-14, dropping 9.0 percent from 2003. For males the largest decrease in the age-specific rate was in the age group of 1-4, decreasing 13.7 percent from 2003. The largest decrease for females was in the age group of 5-14, down 10.6 percent. Female rates increased 0.4 percent for 1-4 year olds and 1.9 percent for women aged 25-34 (Table 5-3).

Male age-specific death rates were higher than the female age-specific death rates for all age groups in 2004 (Table 5-4). The largest differences by gender were in the age groups 20-24 and 15-19, where males were 3.1 and 2.7 times as likely to die as females in the same age group. Males aged 25-29 were 2.6 times more likely to die than were females in this age group.

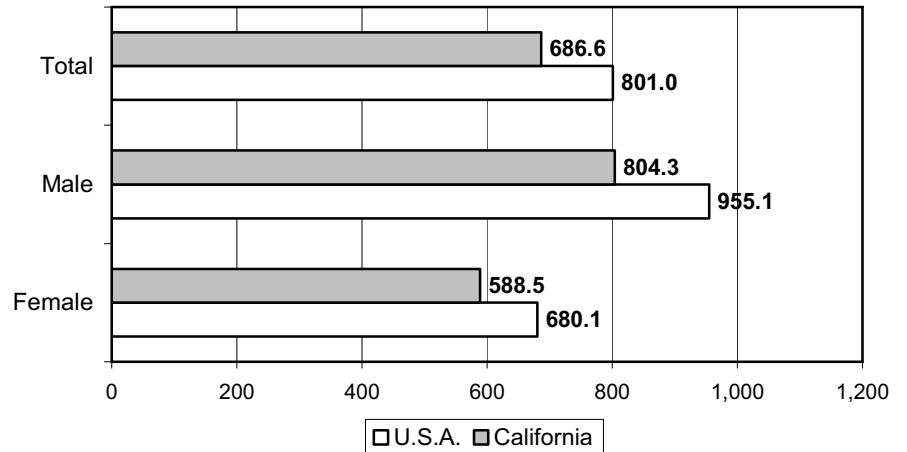
## Age-Adjusted Death Rates

*Note: Age-adjusted rates are used to compare the mortality risk among geographic areas, among sex, and race/ethnic groups, and to compare mortality risk over time. Age-adjusted rates control for differences in age of different groups. They are indices rather than actual measures of mortality and are not comparable to other rates. All age-adjusted rates were calculated using the Year 2000 U.S. standard population.*

The 2004 age-adjusted death rate for California residents was 686.6 deaths per 100,000 population. This compares to an age-adjusted rate of 801.0 for the United States. California's rate was down 4.3 percent from the 717.2 rate in 2003 and down 8.8 percent from the rate of 752.7 in 2001 (Table 5-1 and Table 1-7).

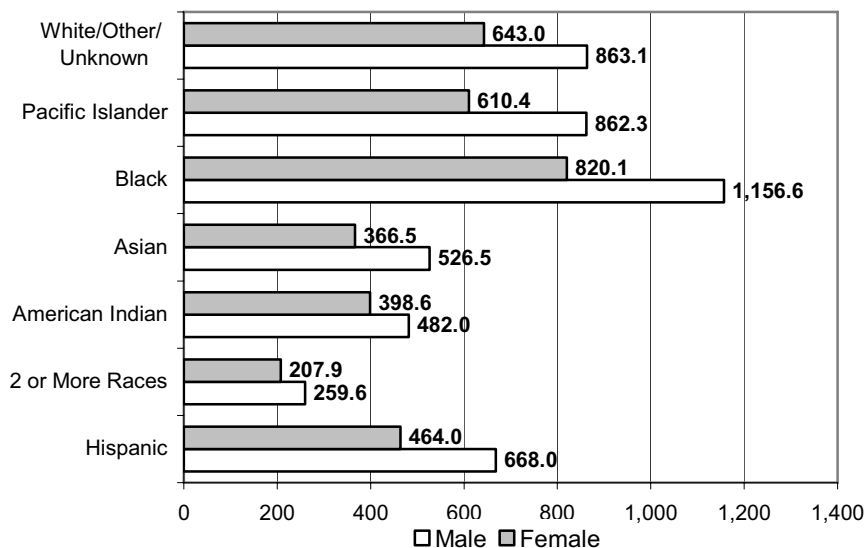
The age-adjusted death rate for California males in 2004 was 804.3 deaths per 100,000 population, 36.7 percent higher than the age-adjusted death rate for California females, 588.5. Both rates were lower than the age-adjusted rates of 955.1 for males and 680.1 for females for the United States in 2004.

Figure 5-3. Age-Adjusted Death Rates by Sex, California and United States, 2004



Age-adjusted death rates were down in 2004 from the 2003 rates in all the race/ethnic groups (Table 5-1). The male age-adjusted rates decreased in 2004 from 2003 for all the race/ethnic groups. Female age-adjusted death rates also decreased in 2004 from 2003 for all race/ethnic groups.

Figure 5-4. Age-Adjusted Death Rates by Race/Ethnic Group and Sex, California 2004



The age-adjusted death rates for males were higher than the rates for females in each of the race/ethnic groups. The largest disparity between the sexes was in the Hispanic race/ethnic group where the male age-adjusted death rate was 44.0 percent higher than the female rate closely followed by Asian males with 43.7 percent higher than Asian females. The American Indian group had the least difference between males and females (20.9 percent).

## Leading Causes of Death

*Note: Causes of death for 1999-2004 were coded using the International Classification of Diseases, Tenth Revision (ICD-10) and are not comparable with data coded under the ICD- 9.*

The ten leading causes of death in 2004 accounted for 80.5 percent of all deaths (Table 5-10). Deaths due to seven of the ten leading causes of death decreased between 2003 and 2004 while deaths due to accidents, diabetes, and Alzheimer's disease increased (Table 5-10). Influenza & pneumonia had the largest decrease (10.4 percent), followed by a decrease in both CLRD (6.4 percent) and heart disease (5.8 percent). In 2004 the ranking of the ten leading causes of death was unchanged from 2003.

Figure 5-5a. Leading Causes of Death and Age-Adjusted Rates, California, 2004

Rank	Cause of Death	Total Deaths		Age-Adjusted Death Rate			
		Number of Deaths	Percent Change 2003 to 2004	Total	Males	Females	Male/Female Ratio
	<b>ALL CAUSES</b>	<b>232,464</b>	<b>(2.9)</b>	<b>686.6</b>	<b>804.3</b>	<b>588.5</b>	<b>1.4</b>
1	Heart Disease	65,002	(5.8)	193.0	233.2	160.3	1.5
2	Cancer	53,708	(1.1)	160.6	188.7	140.8	1.3
3	Stroke	16,884	(4.5)	50.3	50.1	49.7	1.0
4	Lung Disease (CLRD)	12,519	(6.4)	38.0	43.0	34.5	1.2
5	Accidents	10,614	1.4	29.6	40.8	19.1	2.1
6	Influenza & Pneumonia	7,331	(10.4)	21.8	25.3	19.4	1.3
7	Diabetes	7,119	0.4	21.3	24.3	18.9	1.3
8	Alzheimer's Disease	6,962	5.7	20.6	16.8	22.8	0.7
9	Cirrhosis	3,686	(3.8)	10.6	14.9	6.6	2.3
10	Suicide	3,364	(0.9)	9.4	14.7	4.5	3.3

Based on the comparison of age-adjusted rates, the risk of mortality for males was higher than the risk for females for eight leading causes. The female risk of death exceeded the male risk in 2004 for Alzheimer's disease. The male risk of mortality was 3.3 times the risk for females for suicide, 2.3 times the risk for cirrhosis and 2.1 times the risk for accidents.

Figure 5-5b. Leading Causes of Death for Males and Females in 2004

Rank	Male Causes	Deaths	Rank	Female Causes	Deaths
1	Heart Disease	32,506	1	Heart Disease	32,496
2	Cancer	27,370	2	Cancer	26,338
3	Accidents	7,043	3	Stroke	10,049
4	Stroke	6,835	4	Lung Disease (CLRD)	6,648
5	Lung Disease (CLRD)	5,871	5	Alzheimer's Disease	4,831
6	Diabetes	3,540	6	Influenza & Pneumonia	3,974
7	Influenza & Pneumonia	3,357	7	Diabetes	3,579
8	Suicide	2,543	8	Accidents	3,571
9	Cirrhosis	2,477	9	Hypertension	1,749
10	Alzheimer's Disease	2,131	10	Nephritis	1,236

Heart disease and cancer were the first and second leading causes of death, respectively, for both males and females, accounting for 51.2 percent of male deaths and 50.9 percent of female deaths in 2004. Beyond these two causes of death, the ranking of leading causes differed for males and females. Accidents were the third leading cause of death for males and the eighth cause for females. Stroke ranked fourth for males and third for females. CLRD ranked fifth for males and fourth for females. Diabetes

ranked sixth for males and seventh for females. Influenza & pneumonia ranked seventh for males and sixth for females. Alzheimer's disease ranked tenth for males and fifth for females. Suicide and cirrhosis ranked eight and ninth, respectively, for males and were not among the leading causes for females.

## Leading Causes of Death By Race/Ethnicity

The number of **Hispanic** deaths decreased slightly (0.1 percent) from 33,416 in 2003 to 33,376 in 2004. The ten leading causes of death for Hispanics accounted for 77.0 percent of the total number of deaths in 2004 for this group (Table 5-10A). The ranking of the leading causes was unchanged from 2003. In 2004 the number of deaths increased for six leading causes of death and decreased for heart disease, accidents, cirrhosis, and CLRD. Certain perinatal conditions had the largest increase, up 7.3 percent from 2003 followed by stroke and diabetes, up 3.7 percent and 3.5 percent, respectively.

Figure 5-6a. Leading Causes of Death and Age-Adjusted Rates for Hispanics, California, 2004

Rank	Cause of Death	Total Deaths		Age-Adjusted Death Rate			
		Number of Deaths	Percent Change 2003 to 2004	Total	Males	Females	Male/Female Ratio
	<b>ALL CAUSES</b>	<b>33,376</b>	<b>(0.1)</b>	<b>557.1</b>	<b>668.0</b>	<b>464.0</b>	<b>1.4</b>
1	Heart Disease	7,583	(1.6)	153.2	187.1	126.1	1.5
2	Cancer	6,816	2.3	117.7	142.5	100.3	1.4
3	Accidents	2,622	(2.6)	24.7	36.7	13.1	2.8
4	Stroke	2,139	3.7	43.3	47.3	39.9	1.2
5	Diabetes	1,817	3.5	34.3	37.1	31.7	1.2
6	Cirrhosis	1,128	(7.2)	15.6	22.4	9.3	2.4
7	Assault (Homicide)	1,089	0.4	7.5	12.7	1.8	7.1
8	Influenza & Pneumonia	968	1.3	21.1	23.4	19.5	1.2
9	Lung Disease (CLRD)	820	(3.2)	17.4	21.6	14.5	1.5
10	Certain Perinatal Conditions	718	7.3	3.6	4.3	3.0	1.4

Comparison of the age-adjusted rates shows the risk of mortality for Hispanic males was higher than the risk for females for all leading causes. The male risk for homicide and accidents was 7.1 and 2.8 times greater, respectively, than the risk for females.

Figure 5-6b. Leading Causes of Death for Hispanic Males and Females in 2004

Rank	Male Causes	Deaths	Rank	Female Causes	Deaths
1	Heart Disease	4,110	1	Heart Disease	3,473
2	Cancer	3,511	2	Cancer	3,305
3	Accidents	1,962	3	Stroke	1,106
4	Stroke	1,033	4	Diabetes	928
5	Assault (Homicide)	967	5	Accidents	660
6	Diabetes	889	6	Influenza & Pneumonia	526
7	Cirrhosis	810	7	Lung Disease (CLRD)	397
8	Suicide	443	8	Alzheimer's Disease	322
9	Influenza & Pneumonia	442	9	Cirrhosis	318
10	Certain Perinatal Conditions	432	10	Certain Perinatal Conditions	286

Heart disease, cancer, and certain perinatal conditions were the first, second, and tenth leading causes of death, respectively, for both Hispanic males and females; among the remaining causes the rank ordering differed. For males, accidents and stroke ranked third and fourth and for females they were fifth and third, respectively. Diabetes, cirrhosis, and influenza & pneumonia ranked sixth, seventh, and ninth for males

and ranked fourth, ninth, and sixth for females, respectively. Homicide and suicide ranked fifth and eighth for males, respectively, but were not among the leading causes for Hispanic females.

**Asian** deaths increased 0.2 percent from 15,857 deaths in 2003 to 15,886 deaths in 2004 (Table 5-10B). The ten leading causes of death for Asians accounted for 82.9 percent of the total number of Asian deaths in 2004. The number of deaths increased for eight of the ten leading causes and decreased for heart disease and lung disease. Alzheimer's disease had the largest increase, up 42.2 percent followed by hypertension, up 32.1 percent and suicide, up 24.5 percent.

Figure 5-7a. Leading Causes of Death and Age-Adjusted Rates for Asians, California, 2004

Rank	Cause of Death	Total Deaths		Age-Adjusted Death Rate			
		Number of Deaths	Percent Change 2003 to 2004	Total	Males	Females	Male/Female Ratio
	<b>ALL CAUSES</b>	<b>15,886</b>	<b>0.2</b>	<b>436.6</b>	<b>526.5</b>	<b>366.5</b>	<b>1.4</b>
1	Cancer	4,402	3.6	116.6	142.2	97.4	1.5
2	Heart Disease	3,944	(6.1)	111.6	137.2	91.5	1.5
3	Stroke	1,571	0.3	44.1	48.3	40.8	1.2
4	Accidents	652	0.2	16.6	21.4	12.4	1.7
5	Influenza & Pneumonia	627	0.6	18.3	21.1	16.2	1.3
6	Diabetes	627	1.1	17.3	18.7	16.3	1.1
7	Lung Disease (CLRD)	585	(5.9)	16.9	26.1	10.3	2.5
8	Suicide	274	24.5	6.5	9.1	4.2	2.2
9	Hypertension	251	32.1	7.2	6.8	7.4	0.9
10	Alzheimer's Disease	229	42.2	6.8	6.7	6.9	1.0

The rank ordering among the ten leading causes of death changed between 2003 and 2004 for four of the ten causes. CLRD moved from sixth to seventh. Diabetes moved from seventh to sixth. Hypertension moved from tenth to ninth. Nephritis was a leading cause in 2003 but not in 2004. The reverse was true for Alzheimer's disease which was not a leading cause in 2003 but became tenth in 2004.

Based on comparisons of the age-adjusted death rates, the risk of mortality for Asian males was higher than the risk for females for eight of the ten leading causes. The male risk of mortality was 2.5 and 2.2 times greater than the risk for females for CLRD and suicide respectively.

Figure 5-7b. Leading Causes of Death for Asian Males and Females in 2004

Rank	Male Causes	Deaths	Rank	Female Causes	Deaths
1	Cancer	2,329	1	Cancer	2,073
2	Heart Disease	2,099	2	Heart Disease	1,845
3	Stroke	740	3	Stroke	831
4	Accidents	393	4	Diabetes	334
5	Lung Disease (CLRD)	377	5	Influenza & Pneumonia	326
6	Influenza & Pneumonia	301	6	Accidents	259
7	Diabetes	293	7	Lung Disease (CLRD)	208
8	Suicide	182	8	Hypertension	149
9	Nephritis	110	9	Alzheimer's Disease	137
10	Hypertension	102	10	Suicide	92

Cancer, heart disease, and stroke were the first, second and third leading causes of death for Asian males and females, respectively. Accidents, CLRD, influenza & pneumonia, diabetes, suicide, and hypertension ranked fourth, fifth, sixth, seventh, eighth, and tenth for males, respectively, and ranked sixth, seventh, fifth,

fourth, tenth, and eighth for females, respectively. Nephritis was a leading cause for males but was not among the leading causes for Asian females.

Deaths for **Blacks** decreased 1.4 percent from 18,557 deaths in 2003 to 18,289 deaths in 2004. The ten leading causes of death for Blacks accounted for 80.0 percent of the total number of Black deaths in 2004 (Table 5-10C). The number of deaths increased for cancer, accidents, homicide, Alzheimer's disease, and hypertension while decreasing for the remaining five causes. The largest increase between 2003 and 2004 was for Alzheimer's disease, up 22.6 percent and the largest decrease was for heart disease, down 6.0 percent.

Figure 5-8a. Leading Causes of Death and Age-Adjusted Rates for Blacks, California, 2004

Rank	Cause of Death	Total Deaths		Age-Adjusted Death Rate			
		Number of Deaths	Percent Change 2003 to 2004	Total	Males	Females	Male/Female Ratio
	<b>ALL CAUSES</b>	<b>18,289</b>	<b>(1.4)</b>	<b>971.3</b>	<b>1,156.6</b>	<b>820.1</b>	<b>1.4</b>
1	Heart Disease	5,049	(6.0)	280.7	327.2	241.3	1.4
2	Cancer	4,091	0.6	218.6	265.4	188.2	1.4
3	Stroke	1,303	(4.0)	75.6	73.0	75.7	1.0
4	Accidents	791	6.2	34.2	48.9	21.2	2.3
5	Diabetes	788	(2.5)	42.6	47.3	38.7	1.2
6	Assault (Homicide)	764	5.4	30.0	53.7	6.3	8.5
7	Lung Disease (CLRD)	666	(1.0)	37.6	48.4	30.8	1.6
8	Influenza and Pneumonia	475	(1.0)	28.0	32.3	24.9	1.3
9	Alzheimer's Disease	353	22.6	22.6	18.1	25.1	0.7
10	Hypertension	350	10.4	19.8	18.8	19.7	1.0

The rank ordering among the ten leading causes of death changed between 2003 and 2004 for three of the ten causes. Diabetes moved from fourth to fifth. Accidents moved from fifth to fourth. HIV disease was a leading cause in 2003 but not in 2004 whereas Alzheimer's disease was not a leading cause in 2003 but became a leading cause of death in 2004.

Comparisons of the age-adjusted death rates show that the risk of mortality for Black males was higher than the risk for females for seven of the ten leading causes. The Black male risk of mortality was 8.5, 2.3, and 1.6 times greater than the risk for females from homicide, accidents, and CLRD respectively.

Figure 5-8b. Leading Causes of Death for Black Males and Females in 2004

Rank	Male Causes	Deaths	Rank	Female Causes	Deaths
1	Heart Disease	2,510	1	Heart Disease	2,539
2	Cancer	2,077	2	Cancer	2,014
3	Assault (Homicide)	686	3	Stroke	782
4	Accidents	537	4	Diabetes	408
5	Stroke	521	5	Lung Disease (CLRD)	316
6	Diabetes	380	6	Influenza & Pneumonia	259
7	Lung Disease (CLRD)	350	7	Accidents	254
8	HIV Disease	246	8	Alzheimer's Disease	253
9	Influenza & Pneumonia	216	9	Hypertension	208
10	Nephritis	142	10	Nephritis	138

Heart disease, cancer and nephritis were the first, second and tenth leading causes of death, respectively, for both Black males and females in 2004. Beyond these three causes of death there were major differences in the rank ordering of leading causes for males and females. Accidents, stroke, diabetes,



CLRD, and influenza & pneumonia were fourth, fifth, sixth, seventh, and ninth, respectively, for males but became seventh, third, fourth, fifth, and sixth, respectively, for females. Homicide and HIV disease ranked third and eighth, respectively, for males but were not among the leading causes of death for Black females.

For the **White/Other/Unknown** group there was an decrease of 3.9 percent from 168,958 deaths in 2003 to 162,330 in 2004 (Table 5-10D). The ten leading causes of death for White/Other/Unknown accounted for 82.2 percent of the total number of deaths for this group in 2004. Between 2003 and 2004 the number of deaths increased for two of the ten leading causes and decreased for heart disease, cancer, stroke, CLRD, influenza & pneumonia, diabetes, suicide, and cirrhosis. Alzheimer's disease had the largest increase, up 3.9 percent, while influenza & pneumonia had the largest decrease with 14.0 percent.

Figure 5-9a. Leading Causes of Death and Age-Adjusted Rates for White/Other/Unknown, California, 2004

Rank	Cause of Death	Total Deaths		Age-Adjusted Death Rate			
		Number of Deaths	Percent Change 2003 to 2004	Total	Males	Females	Male/Female Ratio
	<b>ALL CAUSES</b>	<b>162,330</b>	<b>(3.9)</b>	<b>743.1</b>	<b>863.1</b>	<b>642.9</b>	<b>1.3</b>
1	Heart Disease	47,820	(6.4)	209.6	255.0	172.2	1.5
2	Cancer	37,841	(2.5)	176.9	205.1	157.3	1.3
3	Stroke	11,722	(6.7)	50.7	49.3	51.1	1.0
4	Lung Disease (CLRD)	10,329	(7.1)	46.6	50.6	43.9	1.2
5	Accidents	6,367	2.7	35.6	47.5	24.2	2.0
6	Alzheimer's Disease	5,873	3.9	24.3	19.8	26.9	0.7
7	Influenza & Pneumonia	5,209	(14.0)	22.3	26.2	19.8	1.3
8	Diabetes	3,770	(0.2)	17.5	20.7	14.9	1.4
9	Suicide	2,357	(4.5)	13.3	20.6	6.5	3.2
10	Cirrhosis	2,158	(1.9)	10.7	14.5	7.2	2.0

The rank ordering among the ten leading causes of death changed between 2003 to 2004 for two of the ten causes. Influenza & pneumonia moved from the sixth leading cause of death in 2003 to the seventh leading cause in 2004 and Alzheimer's disease increased from the seventh rank in 2003 to the sixth rank in 2004.

Comparisons of the age-adjusted death rates show the risk of mortality was higher for males than females in the White/Other/Unknown group for all but two of the leading causes. The risk of mortality for males compared with females was 3.2 for suicide and 2.0 for both accidents and cirrhosis. The risk of mortality for females was higher than for males for Alzheimer's disease.

Figure 5-9b. Leading Causes of Death for White/Other/Unknown Males and Females in 2004

Rank	Male Causes	Deaths	Rank	Female Causes	Deaths
1	Heart Disease	23,480	1	Heart Disease	24,340
2	Cancer	19,183	2	Cancer	18,658
3	Lung Disease (CLRD)	4,655	3	Stroke	7,247
4	Stroke	4,475	4	Lung Disease (CLRD)	5,674
5	Accidents	4,034	5	Alzheimer's Disease	4,101
6	Influenza & Pneumonia	2,370	6	Influenza & Pneumonia	2,839
7	Diabetes	1,924	7	Accidents	2,333
8	Suicide	1,779	8	Diabetes	1,846
9	Alzheimer's Disease	1,772	9	Hypertension	1,164
10	Cirrhosis	1,402	10	Cirrhosis	756



In 2004 heart disease, cancer, influenza & pneumonia and cirrhosis ranked first, second, sixth, and tenth, respectively, for both males and females. Beyond these four causes the rank ordering differed for males and females. CLRD and stroke were third and fourth, respectively, for males compared with fourth and third, respectively, for females. Accidents and diabetes both fell from fifth and seventh, respectively, for males to seventh and eighth, respectively, for females. Alzheimer's disease ranked ninth for males and fifth for females. Suicide ranked eighth for males but was not among the leading causes for White/Other/Unknown females.

## Leading Causes of Death by Sex and Age

Accidents were the leading cause of death for males and females aged 1-4 and in the 5-year age groups from 5-24 years. Accidents were also the leading cause of death for males in the 10-year age groups from 25-44 years and for females 25-34 years. Accidents were the second leading cause of death for females 35-44 year old. Accidents were the third leading cause of death for males aged 45-64. For females accidents were the third leading cause of death for 45-54. (Tables 5-9A and 5-9B).

Cancer was the leading cause of death for males in the 10-year age groups spanning from 55-74 years and for females 35 to 74 years. Cancer was the second leading cause of death for males in the 5-year age groups 5-14 and in the 10-year age groups 45-54, 75-84, and 85 and over. For females cancer was the second leading cause of death in the 5-year age groups spanning 5-14 and in the 10-year age groups 25-34 and 75-84 years. Cancer was the third leading cause of death for males aged 1-4 and 35-44 and for females in the age groups 1-4 and 85 years and over.

Heart disease was the leading cause of death for males ages 45-54, 75-84, and 85 years and over. For females heart disease was the leading cause of death in age groups 75-84 and 85 years and over. Heart disease was the second leading cause of death for males 35-44 and 55-74. For females heart disease was the second leading cause of death for age groups 45-74. Heart disease was the third leading cause of death for females 35-44 years old.

Assault was the second leading cause for males in the 5-year age groups from 15-24 and for males in the 10-year age group 25-34 years. Assault was the third leading cause of death for males in the 5-year age group of 10-14 and for females 15-24 years old.

## Deaths by Educational Attainment

Note: In 2003 the death certificate was revised and the education level categories were changed. These new categories are not strictly comparable with those used in prior years. For more information see Chapter 6 and Appendix Table E in Chapter 7.

Of the total 232,464 decedents in 2004, 16.1 percent had an eighth grade education or less (excluding unknown education), 14.2 percent had completed the ninth - twelfth grades but had no diploma, 33.8 percent had completed high school or had a GED, 16.4 percent had some college but no degree, and 19.5 percent had an associate degree or higher at the time of their deaths (Table 5-15).

By gender, 30.6 percent of the male decedents (excluding unknown) had completed high school or had a GED compared with 37.0 percent of the female decedents (excluding unknown). More males had an associate degree or higher than females, 23.0 percent compared with 16.2 percent. More female decedents (17.2 percent) than male decedents (15.0 percent) had an eighth grade education or less.

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California															
California Counties															
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<b>TYPES OF ANALYSES</b>															
Death Rates															
Age-Adjusted Death Rates															
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Multiple Years															
Percent of Deaths															
<b>VARIABLES</b>															
Age of Decedent															
Asian Only															
Black Only															
Education															
Female Only															
Gender															
Hispanic Only															
Leading Causes of Death															
Major Causes of Death															
Male Only															
Race															
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TYPES OF ANALYSES												
Death Rates												
Age-Adjusted Death Rates												
Age-Specific Death Rates												
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Major Causes of Death												
Male Only												
Race												
Race/Ethnic Groups												
Detailed Causes of Death												
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White/Other/Unknown Only												

TABLE 5-1. DEATHS, DEATH RATES, AND AGE-ADJUSTED DEATH RATES BY RACE/ETHNIC GROUP<sup>1</sup> AND SEX, CALIFORNIA 2001-2004 (By Place of residence)  
(Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 U.S. standard population.)

SEX AND AGE	2001			2002			2003			2004		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
DEATHS:												
TOTAL	232,790	116,000	116,790	233,246	116,768	116,478	239,325	120,161	119,164	232,464	116,934	115,530
HISPANIC	30,365	16,889	13,476	30,958	17,361	13,597	33,416	18,777	14,639	33,376	18,786	14,590
NON-HISPANIC												
2 OR MORE RACE GROUPS	369	197	172	408	223	185	945	515	430	980	514	466
AMERICAN INDIAN	888	470	418	892	483	409	971	518	453	980	496	484
ASIAN	14,845	7,886	6,959	15,192	8,024	7,168	15,857	8,341	7,516	15,886	8,349	7,537
BLACK	18,021	9,364	8,657	18,402	9,568	8,834	18,557	9,646	8,911	18,289	9,536	8,753
PACIFIC ISLANDER	561	313	248	569	308	261	621	343	278	623	359	264
WHITE/OTHER/UNKNOWN	167,741	80,881	86,860	166,825	80,801	86,024	168,958	82,021	86,937	162,330	78,894	83,436
DEATH RATES:												
TOTAL	670.3	670.0	670.6	660.0	662.4	657.7	666.0	669.9	662.1	639.1	643.9	634.3
HISPANIC	262.7	285.5	238.8	257.9	282.7	232.0	268.9	295.4	241.2	260.4	286.6	233.0
NON-HISPANIC												
2 OR MORE RACE GROUPS	54.9	59.8	50.1	57.8	64.3	51.4	131.7	146.2	117.8	134.7	143.8	126.0
AMERICAN INDIAN	409.2	441.0	378.6	377.2	416.7	339.1	378.6	412.6	346.1	354.0	366.3	342.2
ASIAN	384.5	423.7	348.0	387.4	423.9	353.3	404.5	440.1	371.2	393.5	428.0	361.2
BLACK	791.8	837.8	747.5	789.9	835.2	746.0	774.1	816.9	732.5	754.2	798.7	711.0
PACIFIC ISLANDER	482.2	538.2	426.3	476.5	516.6	436.6	509.6	564.2	455.3	493.6	571.6	416.3
WHITE/OTHER/UNKNOWN	1,046.5	1,020.6	1,071.8	1,041.2	1,019.6	1,062.4	1,049.7	1,029.5	1,069.5	1,016.6	997.8	1,035.1
AGE-ADJUSTED												
DEATH RATES:												
TOTAL	752.7	887.5	644.4	723.4	851.7	618.5	717.2	842.0	613.4	686.6	804.3	588.5
HISPANIC	614.8	741.3	513.7	579.6	695.7	484.0	584.5	700.1	487.8	557.1	668.0	464.0
NON-HISPANIC												
2 OR MORE RACE GROUPS	95.0	103.3	86.3	94.3	108.1	81.5	240.7	271.0	211.5	232.9	259.6	207.9
AMERICAN INDIAN	575.7	665.5	492.5	505.9	596.0	428.7	470.9	548.8	404.5	438.1	482.0	398.6
ASIAN	491.6	596.8	410.7	467.0	563.1	391.9	456.8	547.9	385.2	436.6	526.5	366.5
BLACK	1,065.3	1,289.4	894.6	1,045.7	1,253.4	881.0	1,015.6	1,207.4	857.8	971.4	1,156.6	820.1
PACIFIC ISLANDER	864.1	973.2	755.3	805.1	872.9	737.8	776.3	885.4	676.7	729.9	862.3	610.4
WHITE/OTHER/UNKNOWN	803.8	941.5	692.0	777.7	909.5	669.4	769.7	898.2	663.2	743.1	863.1	643.0

<sup>1</sup> The race and ethnic groups in this table utilize seven mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 5-2. DEATHS BY AGE AND AGE-SPECIFIC DEATH RATES, 1990-2004, CALIFORNIA (By Place of Residence)

(Rates are per 100,000 population in specified groups.)

YEAR	ALL AGES	AGE IN YEARS										NUMBER OF DEATHS					85 and Over	Unknown
		Under 1 Year	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64							
2004	232,464	2,811	524	328	427	1,520	2,146	4,375	8,879	18,404	25,451	36,907	65,715	64,920	57			
2003	239,325	2,819	558	355	484	1,536	2,146	4,399	9,423	18,555	25,293	38,400	68,278	66,997	82			
2002	233,246	2,875	526	355	435	1,448	2,004	4,302	9,209	17,344	24,135	38,849	67,472	64,222	70			
2001	232,790	2,815	537	365	413	1,431	1,978	4,344	9,261	17,342	23,345	39,705	67,570	63,579	105			
2000	228,281	2,884	572	365	465	1,277	1,759	4,131	9,168	16,284	22,740	40,001	66,557	61,970	108			
1999	227,965	2,787	595	356	437	1,298	1,720	4,296	9,109	15,907	22,454	41,620	66,388	60,926	72			
1998	225,450	2,994	581	372	470	1,378	1,804	4,623	9,453	15,349	22,304	42,621	65,285	58,118	98			
1997	223,438	3,091	647	408	437	1,511	1,853	5,034	9,656	15,156	21,973	42,887	64,116	56,584	85			
1996	222,308	3,186	734	398	483	1,586	1,961	6,025	11,137	15,134	21,855	43,635	62,225	53,856	93			
1995	222,626	3,478	757	430	527	1,734	2,372	7,215	12,113	15,133	22,289	44,421	60,322	51,741	94			
1994	222,854	3,948	790	456	519	1,770	2,385	7,647	12,315	14,912	22,481	45,014	60,099	50,432	86			
1993	220,271	3,970	934	475	543	1,811	2,652	7,875	12,151	14,304	22,826	45,079	58,916	48,635	100			
1992	214,586	4,174	850	394	506	1,778	2,678	7,735	11,761	13,684	23,235	45,005	56,970	45,688	128			
1991	214,220	4,596	872	450	520	1,943	2,769	7,726	11,317	13,251	23,796	45,031	56,654	45,115	180			
1990	213,766	4,828	933	436	494	1,819	2,910	8,125	10,835	13,107	24,437	45,196	55,890	44,594	162			

AGE-SPECIFIC DEATH RATES																		
2004	639.1	a	25.6	12.9	15.1	56.5	82.4	83.6	156.5	373.2	770.5	1,822.1	4,626.5	11,873.4				
2003	666.0	a	27.8	13.6	17.2	58.7	84.4	83.9	166.8	385.0	803.8	1,922.7	4,826.5	12,398.3				
2002	660.0	a	26.6	13.4	15.7	56.5	80.6	81.4	164.2	370.7	814.7	1,988.2	4,878.4	12,494.8				
2001	670.3	a	27.4	13.6	15.3	56.9	81.1	82.2	166.4	380.9	841.4	2,067.8	5,038.2	13,321.5				
2000	670.6	a	28.7	13.4	17.9	51.8	73.4	78.8	166.7	372.1	860.9	2,112.0	5,139.6	14,139.2				
1999	682.2	a	29.0	13.0	17.5	53.2	72.5	81.3	168.0	383.7	895.7	2,244.1	5,509.8	15,052.3				
1998	686.1	a	27.7	13.7	19.3	57.5	77.2	87.1	177.5	385.5	929.7	2,314.8	5,699.9	15,740.8				
1997	688.5	a	30.1	15.2	18.2	64.8	80.2	94.4	183.9	394.3	950.9	2,329.0	5,767.6	15,596.4				
1996	695.6	a	33.3	15.3	20.5	70.1	85.5	112.8	216.3	410.3	971.7	2,364.5	5,804.7	15,194.2				
1995	702.3	a	33.3	17.1	22.5	78.7	101.6	133.9	238.5	425.8	1,001.9	2,396.9	5,779.5	14,958.0				
1994	707.0	a	34.4	18.6	22.4	82.0	99.2	140.2	245.3	435.8	1,015.6	2,423.0	5,876.8	15,002.8				
1993	704.1	a	41.1	19.8	23.9	85.5	107.4	142.5	244.9	434.1	1,035.6	2,423.4	5,861.5	15,020.2				
1992	692.5	a	39.0	16.7	22.9	84.9	106.4	138.0	240.4	433.7	1,053.5	2,420.6	5,754.3	14,788.2				
1991	705.1	a	42.6	19.6	24.5	93.7	109.1	137.2	236.3	444.5	1,082.2	2,449.3	5,859.8	15,550.3				
1990	716.6	a	47.8	19.5	24.4	85.8	114.3	143.6	234.2	455.5	1,108.5	2,488.7	5,932.3	16,474.1				

<sup>a</sup> See Chapter 4 for infant mortality rates.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, 1990-1999 Population: 1990-1999 Race/Ethnic Population Estimates with Age and Sex Detail, May 2004; 2000-

2003 Population: 2000-2050 Race/Ethnic Population Projections with Age and Sex Detail, May 2004.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 5-3. AGE-SPECIFIC DEATH RATES BY SEX, CALIFORNIA, 2000-2004  
(By Place of Residence) (Rates are per 100,000 population in specified groups.)

SEX AND AGE	2000	2001	2002	2003	2004	2003-2004 % Change
TOTAL						
1-4	28.7	27.4	26.6	27.8	25.6	-7.9
5-14	15.6	14.5	14.6	15.5	14.1	-9.0
15-24	62.5	68.8	68.4	71.3	69.2	-2.9
25-34	78.8	82.2	81.4	83.9	83.6	-0.4
35-44	166.7	166.4	164.2	166.8	156.5	-6.2
45-54	372.1	380.9	370.7	385.0	373.2	-3.1
55-64	860.9	841.4	814.7	803.8	770.5	-4.1
65-74	2,112.0	2,067.8	1,988.2	1,922.7	1,822.1	-5.2
75-84	5,139.6	5,038.2	4,878.4	4,826.5	4,626.5	-4.1
85 and Over	14,139.2	13,321.5	12,494.8	12,398.3	11,873.4	-4.2
MALE						
1-4	33.2	31.9	30.7	31.4	27.1	-13.7
5-14	17.9	15.9	16.5	17.6	16.2	-8.0
15-24	91.3	99.9	100.5	103.5	101.6	-1.8
25-34	111.1	113.7	113.2	116.9	115.6	-1.1
35-44	212.4	211.6	211.0	212.8	201.5	-5.3
45-54	472.2	478.6	467.5	489.3	468.8	-4.2
55-64	1,053.6	1,035.4	1,003.5	988.9	952.3	-3.7
65-74	2,576.6	2,487.2	2,388.4	2,309.3	2,179.7	-5.6
75-84	6,183.1	6,033.1	5,795.7	5,735.6	5,437.8	-5.2
85 and Over	15,619.8	14,317.6	13,376.6	13,073.0	12,630.7	-3.4
FEMALE						
1-4	24.1	22.7	22.4	24.0	24.1	0.4
5-14	13.2	13.0	12.6	13.2	11.8	-10.6
15-24	31.1	34.9	33.5	36.3	34.1	-6.1
25-34	44.4	48.8	47.5	48.6	49.5	1.9
35-44	120.0	120.0	116.0	119.3	110.0	-7.8
45-54	274.8	285.9	276.4	283.0	279.5	-1.2
55-64	682.2	661.0	638.6	630.8	600.9	-4.7
65-74	1,726.5	1,715.9	1,648.6	1,591.5	1,514.5	-4.8
75-84	4,414.5	4,342.5	4,232.2	4,181.5	4,048.4	-3.2
85 and Over	13,448.0	12,838.9	12,054.0	12,051.5	11,478.7	-4.8

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with  
Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 5-4. DEATHS AND FIVE-YEAR AGE-SPECIFIC DEATH RATES BY SEX, CALIFORNIA, 2004 (By Place of Residence)  
(Rates are per 100,000 in specified groups.)

AGE GROUP	DEATHS			AGE-SPECIFIC DEATH RATES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL ALL AGES	232,464	116,934	115,530	638.9	643.6	634.2
Under 1 Year	2,811	1,583	1,228	a	a	a
1-4	524	283	241	25.6	27.1	24.1
5-9	328	183	145	12.9	14.1	11.7
10-14	427	262	165	15.1	18.1	12.0
15-19	1,520	1,131	389	56.5	81.7	29.8
20-24	2,146	1,670	476	82.4	121.6	38.7
25-29	1,965	1,454	511	78.9	112.3	42.7
30-34	2,410	1,669	741	87.9	118.6	55.5
35-39	3,374	2,284	1,090	120.8	159.9	79.9
40-44	5,505	3,526	1,979	191.2	242.3	138.9
45-49	8,077	5,046	3,031	305.2	382.2	228.6
50-54	10,327	6,397	3,930	451.9	570.9	337.5
55-59	12,136	7,357	4,779	638.0	796.4	488.4
60-64	13,315	7,828	5,487	950.5	1,166.9	751.6
65-69	15,761	8,922	6,839	1,434.9	1,729.7	1,173.9
70-74	21,146	11,493	9,653	2,280.8	2,731.3	1,906.4
75-79	29,027	14,963	14,064	3,618.4	4,378.4	3,054.3
80-84	36,688	17,172	19,516	5,934.5	6,890.5	5,288.9
85-89	32,554	13,627	18,927	9,547.4	10,907.5	8,760.8
90 Years & Over	32,366	10,038	22,328	15,727.5	16,079.1	15,574.3
Unknown	57	46	11			

<sup>a</sup> See Chapter 4 for infant mortality rates by sex.

Source: State of California. Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050,  
Sacramento, CA, May 2004.

TABLE 5-5. DEATHS BY AGE, SEX, AND RACE/ETHNIC GROUP<sup>1</sup>, CALIFORNIA, 2004 (By Place of Residence)

SEX AND RACE/ETHNIC GROUP	ALL AGES	AGE IN YEARS														90 YEARS & OVER	AGE UNKNOWN
		UNDER 1 YEAR	1-14	15-24	25-34	35-44	45-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89			
TOTAL DEATHS	232,464	2,811	1,279	3,666	4,375	8,879	18,404	12,136	13,315	15,761	21,146	29,027	36,688	32,554	32,366	57	
HISPANIC	33,376	1,426	579	1,545	1,672	2,412	3,635	1,997	2,088	2,436	3,085	3,637	3,637	2,606	2,613	8	
NON-HISPANIC																	
2 OR MORE RACES	980	90	29	49	39	76	113	62	55	74	67	98	93	68	67	-	
AMERICAN INDIAN	980	10	5	19	39	73	153	77	89	92	108	101	101	58	55	-	
ASIAN	15,886	183	114	249	312	502	1,262	826	912	1,159	1,611	2,212	2,485	2,138	1,921	-	
BLACK	18,289	343	143	507	658	1,139	2,495	1,396	1,390	1,646	1,696	1,892	1,930	1,548	1,505	1	
PACIFIC ISLANDER	623	20	7	16	23	52	101	72	52	65	63	64	48	22	18	-	
WHITE	162,083	730	402	1,277	1,626	4,616	10,621	7,691	8,706	10,272	14,492	21,000	28,366	26,095	26,168	21	
OTHER	19	-	-	1	1	1	2	3	2	1	4	1	2	-	1	-	
UNKNOWN	228	9	-	3	5	8	22	12	21	16	20	22	26	19	18	27	
MALE	116,934	1,583	728	2,801	3,123	5,810	11,443	7,357	7,828	8,922	11,493	14,963	17,172	13,627	10,038	46	
HISPANIC	18,786	810	321	1,247	1,281	1,723	2,405	1,204	1,238	1,338	1,667	1,880	1,768	1,075	822	7	
NON-HISPANIC																	
2 OR MORE RACES	514	49	14	37	28	49	63	33	31	42	31	50	43	28	16	-	
AMERICAN INDIAN	496	7	2	10	22	49	91	42	49	46	46	51	45	20	16	-	
ASIAN	8,349	106	65	174	198	305	748	502	540	630	865	1,167	1,238	983	828	-	
BLACK	9,536	198	83	420	470	672	1,452	831	790	971	903	955	824	562	404	1	
PACIFIC ISLANDER	359	12	5	13	18	36	61	42	30	38	26	33	24	12	9	-	
WHITE	78,743	400	238	897	1,100	2,971	6,604	4,692	5,132	5,847	7,938	10,814	13,214	10,943	7,936	17	
OTHER	12	-	-	1	1	1	2	2	1	-	2	-	2	-	-	-	
UNKNOWN	139	1	-	2	5	4	17	9	17	10	15	13	14	4	7	21	
FEMALE	115,530	1,228	551	865	1,252	3,069	6,961	4,779	5,487	6,839	9,653	14,064	19,516	18,927	22,328	11	
HISPANIC	14,590	616	258	298	391	689	1,230	793	850	1,098	1,418	1,757	1,869	1,531	1,791	1	
NON-HISPANIC																	
2 OR MORE RACES	466	41	15	12	11	27	50	29	24	32	36	48	50	40	51	-	
AMERICAN INDIAN	484	3	3	9	17	24	62	35	40	46	62	50	56	38	39	-	
ASIAN	7,537	77	49	75	114	197	514	324	372	529	746	1,045	1,247	1,155	1,093	-	
BLACK	8,753	145	60	87	188	467	1,043	565	600	675	793	937	1,106	986	1,101	-	
PACIFIC ISLANDER	264	8	2	3	5	16	40	30	22	27	37	31	24	10	9	-	
WHITE	83,340	330	164	380	526	1,645	4,017	2,999	3,574	4,425	6,554	10,186	15,152	15,152	18,232	4	
OTHER	7	-	-	-	-	-	-	1	1	1	2	1	-	-	1	-	
UNKNOWN	89	8	-	1	-	4	5	3	4	6	5	9	12	15	11	6	

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Death Records.



TABLE 5-6. DEATHS BY AGE, SEX, AND RACE<sup>1</sup>, CALIFORNIA, 2004 (By Place of Residence)

SEX AND RACE	ALL AGES	AGE IN YEARS													90 YEARS & OVER	AGE UNKNOWN
		UNDER 1 YEAR	1-14	15-24	25-34	35-44	45-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89		
TOTAL	232,464	2,811	1,279	3,666	4,375	8,879	18,404	12,136	13,315	15,761	21,146	29,027	36,688	32,554	32,366	57
2 OR MORE RACES	1,210	133	42	64	51	101	133	69	68	89	79	115	110	80	76	-
AMERICAN INDIAN	1,087	11	5	24	43	78	175	82	97	101	115	112	117	68	59	-
BLACK	18,413	353	155	518	668	1,149	2,507	1,400	1,401	1,655	1,707	1,897	1,941	1,555	1,506	1
CAMBODIAN	251	3	8	13	13	15	31	23	20	24	18	20	27	25	11	-
CHINESE	4,699	32	24	33	51	122	310	200	199	296	459	653	807	777	736	-
ESKIMO/ALEUT	6	-	-	-	2	1	1	-	-	2	-	-	-	-	-	-
FILIPINO	4,384	57	24	65	89	128	377	260	251	362	426	630	682	474	559	-
GUAMANIAN	96	1	-	6	3	5	22	10	3	10	9	15	6	5	1	-
HAWAIIAN	109	-	-	2	-	4	15	12	11	10	12	13	16	8	6	-
HMONG	227	10	8	24	8	20	23	12	14	11	15	20	26	28	8	-
INDIAN (INDIA)	780	22	7	20	42	45	85	52	56	78	94	111	88	50	30	-
JAPANESE	2,271	9	3	5	9	30	128	75	83	118	253	398	447	434	279	-
KOREAN	1,340	12	11	19	35	46	108	67	108	126	136	155	180	170	167	-
LAOTIAN	268	7	2	12	9	14	38	21	39	19	30	21	25	22	9	-
SAMOAN	195	7	5	3	11	24	29	18	19	24	19	17	12	4	3	-
THAI	84	2	3	4	1	7	13	4	12	5	7	8	7	6	5	-
VIETNAMESE	1,297	24	19	42	40	56	125	90	104	98	140	168	159	126	106	-
WHITE	194,679	2,089	950	2,776	3,252	6,964	14,166	9,652	10,747	12,649	17,524	24,563	31,929	28,645	28,744	29
OTHER ASIAN	363	11	8	15	16	24	33	28	27	29	37	40	45	33	17	-
OTHER PAC ISLAND	230	13	2	6	10	20	36	32	19	22	24	19	14	5	8	-
OTHER	236	6	3	11	16	17	27	16	16	16	21	29	23	18	17	-
UNKNOWN	239	9	-	4	6	9	22	13	21	17	21	23	27	21	19	27
TOTAL MALE	116,934	1,583	728	2,801	3,123	5,810	11,443	7,357	7,828	8,922	11,493	14,963	17,172	13,627	10,038	46
2 OR MORE RACES	654	75	24	49	36	64	79	38	38	49	38	61	51	33	19	-
AMERICAN INDIAN	551	7	2	15	27	53	101	43	54	50	51	55	52	23	18	-
BLACK	9,611	206	88	428	477	680	1,460	833	797	977	908	958	830	563	405	1
CAMBODIAN	137	2	5	12	12	6	17	13	14	11	10	10	13	10	2	-
CHINESE	2,441	15	13	21	28	81	179	118	118	166	271	380	395	384	272	-
ESKIMO/ALEUT	5	-	-	-	1	1	1	-	-	2	-	-	-	-	-	-
FILIPINO	2,317	37	14	47	55	62	222	147	135	188	226	333	326	203	322	-
GUAMANIAN	52	-	-	3	3	3	13	6	1	5	4	8	3	3	-	-
HAWAIIAN	64	-	-	2	-	4	9	5	5	5	7	8	10	6	3	-
HMONG	123	7	6	17	3	14	13	9	8	5	7	9	14	8	3	-
INDIAN (INDIA)	459	11	4	11	34	28	55	35	39	46	54	61	46	24	11	-
JAPANESE	1,108	7	1	3	5	21	71	47	43	46	95	191	247	219	112	-
KOREAN	682	6	4	13	16	31	66	45	78	81	75	68	80	62	57	-
LAOTIAN	148	4	1	11	5	9	25	11	25	9	14	11	12	8	3	-
SAMOAN	112	3	4	3	8	15	14	12	10	17	5	10	7	2	2	-
THAI	36	2	2	4	1	5	2	2	3	3	4	3	1	1	3	-
VIETNAMESE	728	12	11	26	29	38	81	63	65	61	85	93	80	46	38	-
WHITE	97,092	1,169	542	2,106	2,349	4,652	8,950	5,875	6,344	7,154	9,578	12,656	14,945	12,002	8,746	24
OTHER ASIAN	211	6	5	11	10	14	24	16	13	17	26	17	27	18	7	-
OTHER PAC ISLAND	135	9	1	6	8	15	25	19	14	11	11	7	4	1	4	-
OTHER	124	4	1	10	10	9	19	10	7	9	9	11	14	7	4	-
UNKNOWN	144	1	-	3	6	5	17	10	17	10	15	13	15	4	7	21

TABLE 5-6. DEATHS BY AGE, SEX, AND RACE<sup>1</sup>, CALIFORNIA, 2004 (By Place of Residence)--Cont. 2 of 2

SEX AND RACE	ALL AGES	AGE IN YEARS														90 YEARS & OVER	85-89	80-84	75-79	70-74	65-69	60-64	55-59	45-54	35-44	25-34	15-24	1-14	UNDER 1 YEAR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
TOTAL FEMALE	115,530	1,228	551	865	1,252	3,069	6,961	4,779	5,487	6,839	9,653	14,064	19,516	18,927	22,328	11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

- Represents zero events.

<sup>1</sup> The list of races in this table is compiled by identifying decedents who were reported as being of 2 or more race groups before tabulating single races.

This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-7. DEATHS AND AGE-ADJUSTED DEATH RATES FOR LEADING CAUSES OF DEATH BY SEX, CALIFORNIA, 2000-2004 (By Place of Residence)  
(Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 standard population.)

TOTAL	TOTAL CAUSES A00-Y89	LEADING CAUSES OF DEATH IN CALIFORNIA														ALL OTHER CAUSES (Residual)
		HEART DISEASE I00-I09, I11, I13, I20-I51	CANCER C00-C97	CEREBRO-VASCULAR DISEASE I60-I69	CHRONIC LOWER RESP DISEASE J40-J47	ACCIDENTS V01-X59, Y85-Y86	INFLUENZA AND PNEUMONIA J10-J18	DIABETES E10-E14	ALZHEIMER'S DISEASE G30	CIRRHOSIS K70, K73-K74	INTENTIONAL SELF-HARM U03, X60-X84, Y87.0	HYPERTENSION HYPER. RENAL DISEASE I10, I12	ASSAULT U01-U02, X85-Y09, Y87.1	NEPHRITIS N00-N07, N17-N19, N25-N27	PARKINSON'S DISEASE G20-G21	
YEAR 2004 RANK																
- TOTAL:		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Deaths:																
2004	232,464	65,002	53,708	16,884	12,519	10,614	7,331	7,119	6,962	3,686	3,364	2,860	2,489	2,371	1,830	35,725
2003	239,325	69,013	54,307	17,686	13,380	10,470	8,184	7,088	6,585	3,832	3,396	2,578	2,481	2,326	1,803	36,196
2002	233,246	68,387	53,926	17,551	12,643	9,882	8,098	6,783	5,405	3,725	3,210	2,330	2,459	2,149	1,576	35,122
2001	232,790	69,004	53,810	18,078	13,056	9,274	8,167	6,457	4,897	3,759	3,256	2,348	2,301	1,988	1,509	34,886
2000	228,281	68,533	53,005	18,090	12,754	8,814	8,355	6,203	4,398	3,673	3,113	2,020	2,084	1,781	1,481	33,977
Age-Adjusted Death Rates:																
2004	686.6	193.0	160.6	50.3	38.0	29.6	21.8	21.3	20.6	10.6	9.4	8.5	6.7	7.1	5.6	
2003	717.2	207.8	165.1	53.3	41.1	29.7	24.5	21.5	19.7	11.3	9.6	7.8	6.7	7.1	5.5	
2002	723.4	213.7	169.4	54.9	40.2	28.7	25.2	21.4	16.8	11.3	9.3	7.3	6.8	6.7	5.0	
2001	752.7	226.0	175.5	59.3	43.2	27.5	26.8	21.1	16.1	11.8	9.7	7.7	6.4	6.5	5.0	
2000	772.9	236.3	179.7	62.6	44.0	27.0	29.0	21.1	15.4	11.9	9.5	7.0	6.0	6.1	5.2	
MALE																
LEADING CAUSES OF MALE DEATHS IN CALIFORNIA																
TOTAL	ALL CAUSES A00-Y89	HEART DISEASE I00-I09, I11, I13, I20-I51	CANCER C00-C97	ACCIDENTS V01-X59, Y85-Y86	CEREBRO-VASCULAR DISEASE I60-I69	CHRONIC LOWER RESP DISEASE J40-J47	DIABETES E10-E14	INFLUENZA AND PNEUMONIA J10-J18	INTENTIONAL SELF-HARM U03, X60-X84, Y87.0	CIRRHOSIS K70, K73-K74	ALZHEIMER'S DISEASE G30	ASSAULT U01-U02, X85-Y09, Y87.1	HIVD B20-B24	NEPHRITIS N00-N07, N17-N19, N25-N27	HYPERTENSION HYPER. RENAL DISEASE I10, I12	ALL OTHER CAUSES (Residual)
YEAR 2004 RANK																
- MALES:		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Deaths:																
2004	116,934	32,506	27,370	7,043	6,835	5,871	3,540	3,357	2,543	2,477	2,131	2,106	1,183	1,135	1,111	17,726
2003	120,161	34,574	27,495	7,005	7,094	6,268	3,562	3,764	2,663	2,537	2,069	2,072	1,182	1,125	1,020	17,731
2002	116,768	33,955	27,459	6,634	7,043	5,879	3,307	3,697	2,500	2,458	1,680	2,041	1,217	1,101	911	16,886
2001	116,000	33,924	27,255	6,236	7,295	6,062	3,088	3,691	2,571	2,524	1,527	1,860	1,291	992	933	16,751
2000	114,005	33,938	26,759	5,995	7,265	6,112	3,015	3,683	2,431	2,467	1,388	1,700	1,255	859	791	16,347
Age-Adjusted Death Rates:																
2004	804.3	233.2	188.7	40.8	50.1	43.1	24.3	25.3	14.7	14.9	16.8	11.0	6.6	8.1	8.1	
2003	842.0	252.2	193.0	41.0	53.0	46.6	25.0	28.8	15.7	15.6	16.5	11.0	6.7	8.2	7.6	
2002	851.7	258.9	200.2	39.9	55.0	45.6	24.2	29.8	15.3	15.6	14.1	11.0	7.0	8.4	7.3	
2001	887.5	273.1	207.7	38.4	60.4	49.2	23.4	31.6	16.0	16.7	13.6	10.2	7.6	8.0	7.7	
2000	920.5	289.4	214.0	38.2	63.6	52.5	24.1	33.8	15.7	17.0	13.4	9.6	7.6	7.3	6.7	
FEMALE																
LEADING CAUSES OF FEMALE DEATHS IN CALIFORNIA																
TOTAL	ALL CAUSES A00-Y89	HEART DISEASE I00-I09, I11, I13, I20-I51	CANCER C00-C97	CEREBRO-VASCULAR DISEASE I60-I69	CHRONIC LOWER RESP DISEASE J40-J47	ALZHEIMER'S DISEASE G30	INFLUENZA AND PNEUMONIA J10-J18	DIABETES E10-E14	ACCIDENTS V01-X59, Y85-Y86	HYPERTENSION HYPER. RENAL DISEASE I10, I12	NEPHRITIS N00-N07, N17-N19, N25-N27	CIRRHOSIS K70, K73-K74	INTENTIONAL SELF-HARM U03, X60-X84, Y87.0	ATHERO-SCLEROSIS I70	PARKINSON'S DISEASE G20-G21	ALL OTHER CAUSES (Residual)
YEAR 2004 RANK																
- FEMALES:		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Deaths:																
2004	115,530	32,496	26,338	10,049	6,648	4,831	3,974	3,579	3,571	1,749	1,236	1,209	821	820	750	17,459
2003	119,164	34,432	26,812	10,592	7,112	4,516	4,420	3,526	3,465	1,558	1,201	1,295	733	991	758	17,746
2002	116,478	34,439	26,467	10,508	6,764	3,725	4,401	3,476	3,248	1,419	1,048	1,267	710	1,003	685	17,325
2001	116,790	35,080	26,555	10,783	6,994	3,370	4,476	3,369	3,038	1,415	996	1,235	685	960	620	17,214
2000	114,276	34,595	26,246	10,825	6,642	3,010	4,672	3,188	2,819	1,229	922	1,206	682	1,023	631	16,586
Age-Adjusted Death Rates:																
2004	588.5	160.3	140.8	49.7	34.5	22.8	19.4	18.9	19.1	8.6	6.4	6.6	4.5	3.9	3.7	
2003	613.4	171.5	145.5	52.7	37.3	21.4	21.6	18.8	18.8	7.8	6.3	7.2	4.1	4.7	3.8	
2002	618.5	177.0	148.0	54.2	36.6	18.3	22.2	19.1	18.0	7.3	5.6	7.3	4.0	4.9	3.5	
2001	644.4	188.3	153.7	57.9	39.3	17.4	23.6	19.3	17.2	7.6	5.6	7.3	4.0	5.0	3.4	
2000	657.9	194.8	157.2	61.1	38.8	16.5	25.9	18.9	16.5	6.9	5.4	7.4	4.1	5.6	3.6	

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 5-8. THIRTEEN LEADING CAUSES OF DEATH BY RACE/ETHNIC GROUP<sup>1</sup> AND SEX, CALIFORNIA, 2004 (By Place of Residence)

RACE/ETHNIC GROUP		LEADING CAUSES OF DEATH IN CALIFORNIA													ALL OTHER CAUSES
		HEART DISEASE I00-I09, I11, I13, I20-I51	CANCER C00-C97	CEREBRO-VASCULAR DISEASE I60-I69	CHRONIC LOWER RESP DISEASE J40-J47	ACCIDENTS V01-X59, Y85-Y86	INFLUENZA AND PNEUMONIA J10-J18	DIABETES E10-E14	ALZHEIMER'S DISEASE G30	CIRRHOSIS K70, K73-K74	INTENTIONAL SELF-HARM U03, X60-X84, Y87.0	HYPERTENSION, HYPER, RENAL DISEASE I10, I12	ASSAULT U01-U02, X85-Y09, Y87.1	NEPHRITIS N00-N07, N17-N19, N25-N27	
TOTAL RANK:		1	2	3	4	5	6	7	8	9	10	11	12	13	
TOTAL		65,002	53,708	16,884	12,519	10,614	7,331	7,119	6,962	3,686	3,364	2,860	2,489	2,371	37,555
HISPANIC		7,583	6,816	2,139	820	2,622	968	1,817	482	1,128	543	358	1,089	507	6,504
NON-HISPANIC															
2 OR MORE RACES		208	201	49	51	80	25	29	11	17	33	10	14	9	243
AMERICAN INDIAN		225	199	53	53	72	16	49	12	52	17	11	19	8	194
ASIAN		3,944	4,402	1,571	585	652	627	627	229	133	274	251	122	201	2,268
BLACK		5,049	4,091	1,303	666	791	475	788	353	190	132	350	764	263	3,074
PACIFIC ISLANDER		623	158	47	15	30	11	39	2	8	8	11	13	12	96
WHITE		47,767	37,809	11,705	10,317	6,348	5,192	3,764	5,868	2,148	2,355	1,868	464	1,370	25,108
OTHER RACES		3	2	2	3	2	1	1	-	1	-	-	-	1	3
UNKNOWN		50	30	15	9	17	16	5	5	9	2	1	4	-	65

RACE/ETHNIC GROUP		LEADING CAUSES OF MALE DEATHS IN CALIFORNIA													ALL OTHER CAUSES
		HEART DISEASE I00-I09, I11, I13, I20-I51	CANCER C00-C97	ACCIDENTS V01-X59, Y85-Y86	CEREBRO-VASCULAR DISEASE I60-I69	CHRONIC LOWER RESP DISEASE J40-J47	DIABETES E10-E14	INFLUENZA AND PNEUMONIA J10-J18	INTENTIONAL SELF-HARM U03, X60-X84, Y87.0	CIRRHOSIS K70, K73-K74	ALZHEIMER'S DISEASE G30	ASSAULT U01-U02, X85-Y09, Y87.1	HIVD B20-B24	NEPHRITIS N00-N07, N17-N19, N25-N27	
MALE RANK:		1	2	3	4	5	6	7	8	9	10	11	12	13	
TOTAL MALES:		32,506	27,370	7,043	6,835	5,871	3,540	3,357	2,543	2,477	2,131	2,106	1,183	1,135	18,837
HISPANIC		4,110	3,511	1,962	1,033	423	889	442	443	810	160	967	320	230	3,486
NON-HISPANIC															
2 OR MORE RACES		99	90	50	24	31	11	14	22	14	2	11	17	1	128
AMERICAN INDIAN		113	96	45	17	25	26	8	10	35	5	14	10	3	89
ASIAN		2,099	2,329	393	740	377	293	301	182	89	92	88	23	110	1,233
BLACK		2,510	2,077	537	521	350	380	216	99	121	100	686	246	125	1,568
PACIFIC ISLANDER		359	84	22	25	10	17	6	8	6	-	13	3	9	61
WHITE		23,444	19,165	4,018	4,470	4,647	1,920	2,362	1,777	1,394	1,771	325	560	657	12,233
OTHER RACES		12	1	2	1	2	1	-	-	1	-	-	-	-	2
UNKNOWN		34	17	14	4	6	3	8	2	7	1	2	4	-	37

RACE/ETHNIC GROUP		LEADING CAUSES OF FEMALE DEATHS IN CALIFORNIA													ALL OTHER CAUSES
		HEART DISEASE I00-I09, I11, I13, I20-I51	CANCER C00-C97	CEREBRO-VASCULAR DISEASE I60-I69	CHRONIC LOWER RESP DISEASE J40-J47	ALZHEIMER'S DISEASE G30	INFLUENZA AND PNEUMONIA J10-J18	DIABETES E10-E14	ACCIDENTS V01-X59, Y85-Y86	HYPERTENSION, HYPER, RENAL DISEASE I10, I12	NEPHRITIS N00-N07, N17-N19, N25-N27	CIRRHOSIS K70, K73-K74	INTENTIONAL SELF-HARM U03, X60-X84, Y87.0	ATHERO-SCLEROSIS I70	
FEMALE RANK:		1	2	3	4	5	6	7	8	9	10	11	12	13	
TOTAL FEMALES		32,496	26,338	10,049	6,648	4,831	3,974	3,579	3,571	1,749	1,236	1,209	821	820	18,209
HISPANIC		3,473	3,305	1,106	397	322	526	928	660	211	277	318	100	67	2,900
NON-HISPANIC															
2 OR MORE RACES		109	111	25	20	9	11	18	30	5	8	3	11	5	101
AMERICAN INDIAN		112	103	36	28	7	8	23	27	6	5	17	7	2	103
ASIAN		1,845	2,073	831	208	137	326	334	259	149	91	44	92	38	1,110
BLACK		2,539	2,014	782	316	253	259	408	254	208	138	69	33	34	1,446
PACIFIC ISLANDER		264	74	22	5	2	5	22	8	6	3	2	-	2	35
WHITE		24,323	18,644	7,235	5,670	4,097	2,830	1,844	2,330	1,163	713	754	578	672	12,487
OTHER RACES		7	1	1	1	-	1	-	-	-	1	-	-	-	1
UNKNOWN		89	13	11	3	4	8	2	3	1	-	2	-	-	26

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-9A. LEADING CAUSES OF **MALE** DEATHS BY AGE AND RACE/ETHNIC GROUP<sup>1</sup> AND RATES FOR ALL RACES COMBINED, CALIFORNIA, 2004  
(By Place of Residence) (Rates are per 100,000 population in specified groups.)

AGE GROUPS AND CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL MALE			HISPANIC	NON-HISPANIC RACE/ETHNIC GROUP							
		DEATHS	RANK	RATE		TWO OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER	UNKNOWN
1 - 4 YEARS  All Causes of Death Accidents Congenital Malformations Malignant Neoplasms Assault (Homicide) Diseases of the Heart Influenza & Pneumonia All Other Causes	A00-Y89 V01-X59, Y85-Y86 Q00-Q99 C00-C97 U01-U02, X85-Y09, Y87.1 I00-I09, I11, I13, I20-I51 J10-J18 (Residual)	283 86 52 35 12 7 7 84	 1 2 3 4 a a	27.1 8.2 5.0 3.4 1.2 a a	138 48 28 13 7 4 3 35	4 1 - - 1 - - 2	2 - - - - - - 2	27 4 7 4 - - 2 10	32 5 13 2 3 2 - 17	3 1 1 1 - - - -	77 27 13 15 1 1 2 18	- - - - - - - -	- - - - - - - -
	A00-Y89 V01-X59, Y85-Y86 C00-C97 U01-U02, X85-Y09, Y87.1 I00-I09, I11, I13, I20-I51 J40-J47 (Residual)	183 53 49 14 5 4 4 54	 1 2 3 a a a	14.1 4.1 3.8 1.1 a a a	73 20 19 10 3 2 1 18	4 1 2 - - - - 1	- - - - - - - -	18 3 7 - 1 - 1 6	20 7 4 2 - - 2 5	- - - - - - - -	68 22 17 2 1 2 - 24	- - - - - - - -	- - - - - - - -
	A00-Y89 V01-X59, Y85-Y86 C00-C97 U01-U02, X85-Y09, Y87.1 U03, X60-X84, Y87.0 (Residual)	262 88 39 25 20 18 72	 1 2 3 4 5	18.1 6.1 2.7 1.7 1.4 1.2	110 38 20 9 9 8 26	6 3 - - - - 3	- - - - - - -	20 6 6 2 1 - 5	31 5 3 10 3 1 9	2 1 - - - 1 -	93 35 10 4 7 8 29	- - - - - - -	- - - - - - -
	A00-Y89 V01-X59, Y85-Y86 U01-U02, X85-Y09, Y87.1 U03, X60-X84, Y87.0 C00-C97 I00-I09, I11, I13, I20-I51 (Residual)	1,131 424 373 109 61 24 140	 1 2 3 4 5	81.7 30.6 27.0 7.9 4.4 1.7	486 166 196 34 30 10 50	16 7 1 4 1 - 3	3 - 1 2 - - -	73 30 17 7 4 4 11	201 41 123 10 - 4 23	5 1 2 1 - - 1	346 179 33 50 26 6 52	- - - - - - -	1 - - 1 - - -
	A00-Y89 V01-X59, Y85-Y86 U01-U02, X85-Y09, Y87.1 U03, X60-X84, Y87.0 C00-C97 I00-I09, I11, I13, I20-I51 (Residual)	1,670 615 480 220 88 38 229	 1 2 3 4 5	121.6 44.8 35.0 16.0 6.4 2.8	761 258 279 82 38 12 92	21 8 3 6 - 1 3	7 3 - 1 1 1 1	101 35 14 18 13 3 18	219 35 140 11 8 3 22	8 3 2 - - 1 2	551 271 42 102 28 17 91	1 1 - - - - -	1 1 - - - - -

TABLE 5-9A. LEADING CAUSES OF **MALE** DEATHS BY AGE AND RACE/ETHNIC GROUP<sup>1</sup> AND RATES FOR ALL RACES COMBINED, CALIFORNIA, 2004  
(By Place of Residence) (Rates are per 100,000 population in specified groups.)—Cont. 2 of 3

AGE GROUPS AND CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL MALE			HISPANIC	NON-HISPANIC RACE/ETHNIC GROUP							
		DEATHS	RANK	RATE		TWO OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER	UNKNOWN
25-34 YEARS  All Causes of Death Accidents Assault (Homicide) Intentional Self-Harm Diseases of the Heart Malignant Neoplasms All Other Causes	A00-Y89 V01-X59, Y85-Y86 U01-U02, X85-Y09, Y87.1 U03, X60-X84, Y87.0 I00-I09, I11, I13, I20-I51 C00-C97 (Residual)	3,123		115.6	1,281	28	22	198	470	18	1,100	1	5
		1,006	1	37.2	420	10	11	62	74	2	424	-	3
		576	2	21.3	275	2	6	13	214	4	62	-	-
		396	3	14.7	120	6	-	42	24	2	202	-	-
		224	4	8.3	75	4	-	22	35	5	83	-	-
		220	5	8.1	92	1	-	22	15	3	87	-	-
		701			299	5	5	37	108	2	242	1	2
35-44 YEARS  All Causes of Death Accidents Diseases of the Heart Malignant Neoplasms Intentional Self-Harm Human Immunodeficiency Virus Disease All Other Causes	A00-Y89 V01-X59, Y85-Y86 I00-I09, I11, I13, I20-I51 C00-C97 U03, X60-X84, Y87.0 B20-B24 (Residual)	5,810		201.5	1,723	49	49	305	672	36	2,971	1	4
		1,251	1	43.4	406	10	8	35	90	6	695	1	-
		810	2	28.1	182	5	6	45	118	7	446	-	1
		731	3	25.4	188	7	3	96	58	6	373	-	-
		476	4	16.5	85	4	2	29	16	1	339	-	-
		463	5	16.1	145	6	6	9	91	2	204	-	-
		2,079			717	17	24	91	299	14	914	-	3
45-54 YEARS  All Causes of Death Diseases of the Heart Malignant Neoplasms Accidents Chronic Liver/Cirrhosis Intentional Self-Harm All Other Causes	A00-Y89 I00-I09, I11, I13, I20-I51 C00-C97 V01-X59, Y85-Y86 K70, K73-K74 U03, X60-X84, Y87.0 (Residual)	11,443		468.8	2,405	63	91	748	1,452	61	6,604	2	17
		2,544	1	104.2	457	15	17	158	367	18	1,510	1	1
		2,379	2	97.5	394	12	14	241	289	14	1,415	-	-
		1,340	3	54.9	276	3	18	54	138	5	842	-	4
		778	4	31.9	299	5	15	22	33	1	399	-	4
		487	5	20.0	57	2	2	41	18	1	365	-	1
		3,915			922	26	25	232	607	22	2,073	1	7
55-64 YEARS  All Causes of Death Malignant Neoplasms Diseases of the Heart Accidents Chronic Liver/Cirrhosis Diabetes All Other Causes	A00-Y89 C00-C97 I00-I09, I11, I13, I20-I51 V01-X59, Y85-Y86 K70, K73-K74 E10-E14 (Residual)	15,185		952.3	2,442	64	91	1,042	1,621	72	9,824	3	26
		4,795	1	300.7	640	21	25	403	439	18	3,242	1	6
		4,191	2	262.8	619	15	24	258	502	21	2,743	1	8
		735	3	46.1	146	1	4	40	76	-	468	-	-
		641	4	40.2	164	1	8	20	47	3	397	-	1
		612	5	38.4	185	3	2	46	84	6	286	-	-
		4,211			688	23	28	275	473	24	2,688	1	11
65-74 YEARS  All Causes of Death Malignant Neoplasms Diseases of the Heart Chronic Lower Resp. Disease Cerebrovascular Diseases Diabetes All Other Causes	A00-Y89 C00-C97 I00-I09, I11, I13, I20-I51 J40-J47 I60-I69 E10-E14 (Residual)	20,415		2,179.7	3,005	73	92	1,495	1,874	64	13,785	2	25
		6,897	1	736.4	881	17	30	597	616	20	4,731	-	5
		5,777	2	616.8	911	19	24	346	602	13	3,852	-	10
		1,335	3	142.5	89	12	11	52	89	6	1,075	1	-
		1,102	4	117.7	216	3	4	116	109	4	650	-	-
		881	5	94.1	233	6	8	62	97	7	468	-	-
		4,423			675	16	15	322	361	14	3,009	1	10

TABLE 5-9A. LEADING CAUSES OF **MALE** DEATHS BY AGE AND RACE/ETHNIC GROUP<sup>1</sup> AND RATES FOR ALL RACES COMBINED, CALIFORNIA, 2004  
(By Place of Residence) (Rates are per 100,000 population in specified groups.)--Cont. 3 of 3

AGE GROUPS AND CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL MALE			HISPANIC	NON-HISPANIC RACE/ETHNIC GROUP											
		DEATHS	RANK	RATE		TWO OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER	UNKNOWN				
75-84 YEARS	All Causes of Death Diseases of the Heart Malignant Neoplasms Cerebrovascular Disease Chronic Lower Resp. Disease Influenza & Pneumonia All Other Causes	A00-Y89															
		I00-I09, I11, I13, I20-I51															
		C00-C97															
		I60-I69															
		J40-J47															
		J10-J18															
		(Residual)															
85 YEARS AND OVER	All Causes of Death Diseases of the Heart Malignant Neoplasms Cerebrovascular Disease Chronic Lower Resp. Disease Influenza & Pneumonia All Other Causes	A00-Y89															
		I00-I09, I11, I13, I20-I51															
		C00-C97															
		I60-I69															
		J40-J47															
		J10-J18															
		(Residual)															

- Represents zero events.

<sup>a</sup> Ranks and rates are not calculated for less than 10 deaths.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6

Note: See Chapter 4 for leading causes of infant death by race and ethnic groups and infant mortality rates.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.



TABLE 5-9B. LEADING CAUSES OF **FEMALE** DEATHS BY AGE AND RACE/ETHNIC GROUP<sup>1</sup> AND RATES FOR ALL RACES COMBINED, CALIFORNIA, 2004  
(By Place of Residence) (Rates are per 100,000 population in specified groups.)

AGE GROUPS AND CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL FEMALE		HISPANIC	NON-HISPANIC RACE/ETHNIC GROUP								
		DEATHS	RANK		RATE	TWO OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER	UNKNOWN
1 - 4 YEARS  All Causes of Death Accidents Congenital Malformations Malignant Neoplasms Assault (Homicide) Diseases of the Heart All Other Causes	A00-Y89 V01-X59, Y85-Y86 Q00-Q99 C00-C97 U01-U02, X85-Y09, Y87.1 I00-I09, I11, I13, I20-I51 (Residual)	241		24.1	125	7	1	19	22	-	67	-	-
		74	1	7.4	41	2	-	5	4	-	22	-	-
		35	2	3.5	21	1	-	2	1	-	10	-	-
		24	3	2.4	12	2	-	1	-	-	9	-	-
		21	4	2.1	11	1	-	1	5	-	3	-	-
		11	5	1.1	4	-	-	2	1	-	4	-	-
		76			36	1	1	8	11	-	19	-	-
5-9 YEARS  All Causes of Death Accidents Malignant Neoplasms Congenital Malformations Assault (Homicide) Diseases of the Heart All Other Causes	A00-Y89 V01-X59, Y85-Y86 C00-C97 Q00-Q99 U01-U02, X85-Y09, Y87.1 I00-I09, I11, I13, I20-I51 (Residual)	145		11.7	59	3	1	17	17	1	47	-	-
		39	1	3.1	14	2	-	5	1	-	17	-	-
		33	2	2.7	11	-	-	5	3	1	13	-	-
		17	3	1.4	7	1	-	2	4	-	3	-	-
		9	a	a	6	-	-	-	1	-	2	-	-
		7	a	a	3	-	-	1	2	-	1	-	-
		40			18	-	1	4	6	-	11	-	-
10-14 YEARS  All Causes of Death Accidents Malignant Neoplasms Congenital Malformations Intentional Self-Harm Diseases of the Heart All Other Causes	A00-Y89 V01-X59, Y85-Y86 C00-C97 Q00-Q99 U03, X60-X84, Y87.0 I00-I09, I11, I13, I20-I51 (Residual)	165		12.0	74	5	1	13	21	1	50	-	-
		56	1	4.1	25	-	1	2	4	1	23	-	-
		41	2	3.0	23	2	-	4	5	-	7	-	-
		10	3	0.7	2	-	-	2	2	-	4	-	-
		7	a	a	3	1	-	-	1	-	2	-	-
		3	a	a	2	-	-	-	-	-	1	-	-
		48			19	2	-	5	9	-	13	-	-
15-19 YEARS  All Causes of Death Accidents Intentional Self-Harm Assault (Homicide) Malignant Neoplasms Diseases of the Heart All Other Causes	A00-Y89 V01-X59, Y85-Y86 U03, X60-X84, Y87.0 U01-U02, X85-Y09, Y87.1 C00-C97 I00-I09, I11, I13, I20-I51 (Residual)	389		29.8	140	5	5	36	32	-	171	-	-
		190	1	14.6	68	2	3	16	8	-	93	-	-
		44	2	3.4	14	1	1	4	4	-	20	-	-
		42	3	3.2	22	-	1	3	6	-	10	-	-
		39	4	3.0	13	-	-	4	4	-	18	-	-
		9	a	a	3	1	-	1	1	-	3	-	-
		65			20	1	-	8	9	-	27	-	-
20-24 YEARS  All Causes of Death Accidents Intentional Self-Harm Assault (Homicide) Malignant Neoplasms Diseases of the Heart All Other Causes	A00-Y89 V01-X59, Y85-Y86 U03, X60-X84, Y87.0 U01-U02, X85-Y09, Y87.1 C00-C97 I00-I09, I11, I13, I20-I51 (Residual)	476		38.7	158	7	4	39	55	3	209	-	1
		185	1	15.0	57	4	2	12	10	1	99	-	-
		50	2	4.1	16	1	-	5	2	-	26	-	-
		44	3	3.6	15	-	1	2	14	-	11	-	1
		43	4	3.5	15	-	-	2	6	-	19	-	-
		17	5	1.4	8	-	-	3	1	-	5	-	-
		137			47	2	1	15	22	-	49	-	-



TABLE 5-9B. LEADING CAUSES OF **FEMALE** DEATHS BY AGE AND RACE/ETHNIC GROUP<sup>1</sup> AND RATES FOR ALL RACES COMBINED, CALIFORNIA, 2004  
(By Place of Residence) (Rates are per 100,000 population in specified groups.)—Cont. 2 of 3

AGE GROUPS AND CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL FEMALE				HISPANIC	NON-HISPANIC RACE/ETHNIC GROUP						
		DEATHS	RANK	RATE	TWO OR MORE RACE GROUPS		AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER	UNKNOWN
25-34 YEARS  All Causes of Death Accidents Malignant Neoplasms Intentional Self-Harm Diseases of the Heart Assault (Homicide) All Other Causes	A00-Y89 V01-X59, Y85-Y86 C00-C97 U03, X60-X84, Y87.0 I00-I09, I11, I13, I20-I51 U01-U02, X85-Y09, Y87.1 (Residual)	1,252	1	49.5	391	11	17	114	188	5	526	-	-
		299		11.8	91	3	4	18	26	2	155	-	-
		249	2	9.8	92	2	2	35	26	1	91	-	-
		109	3	4.3	16	2	4	23	5	-	59	-	-
		83	4	3.3	20	1	2	7	21	-	32	-	-
		71	5	2.8	28	1	1	9	15	-	17	-	-
		441			144	2	4	22	95	2	172	-	-
35-44 YEARS  All Causes of Death Malignant Neoplasms Accidents Diseases of the Heart Intentional Self-Harm Chronic Liver/Cirrhosis All Other Causes	A00-Y89 C00-C97 V01-X59, Y85-Y86 I00-I09, I11, I13, I20-I51 U03, X60-X84, X87.0 K70, K73-K74 (Residual)	3,069		110.0	689	27	24	197	467	16	1,645	-	4
		880	1	31.6	226	9	2	98	113	11	421	-	-
		543	2	19.5	88	5	8	26	53	-	363	-	-
		338	3	12.1	62	2	2	11	87	4	170	-	-
		153	4	5.5	19	4	-	16	8	-	106	-	-
		117	5	4.2	25	2	1	2	9	-	77	-	1
		1,038			269	5	11	44	197	1	508	-	3
45-54 YEARS  All Causes of Death Malignant Neoplasms Diseases of the Heart Accidents Chronic Liver/Cirrhosis Cerebrovascular Disease All Other Causes	A00-Y89 C00-C97 I00-I09, I11, I13, I20-I51 V01-X59, Y85-Y86 K70, K73-K74 I60-I69 (Residual)	6,961		279.5	1,230	50	62	514	1,043	40	4,017	-	5
		2,563	1	102.9	469	23	9	291	283	17	1,470	-	1
		959	2	38.5	176	3	16	32	225	10	497	-	-
		604	3	24.3	79	6	4	29	79	2	404	-	1
		310	4	12.5	63	-	4	2	30	-	210	-	1
		306	5	12.3	63	1	3	37	57	1	144	-	-
		2,219			380	17	26	123	369	10	1,292	-	2
55-64 YEARS  All Causes of Death Malignant Neoplasms Diseases of the Heart Chronic Lower Resp. Disease Cerebrovascular Disease Diabetes All Other Causes	A00-Y89 C00-C97 I00-I09, I11, I13, I20-I51 J40-J47 I60-I69 E10-E14 (Residual)	10,266		600.9	1,643	53	75	696	1,165	52	6,573	2	7
		4,382	1	256.5	613	16	27	340	416	20	2,949	1	1
		1,824	2	106.8	296	11	14	93	305	13	1,091	-	1
		489	3	28.6	28	3	4	9	35	-	410	-	-
		487	4	28.5	101	3	2	66	63	4	248	-	-
		456	5	26.7	141	3	4	31	66	8	203	-	-
		2,628			464	17	24	157	280	7	1,672	1	5
65-74 YEARS  All Causes of Death Malignant Neoplasms Diseases of the Heart Chronic Lower Resp Disease Cerebrovascular Disease Diabetes All Other Causes	A00-Y89 C00-C97 I00-I09, I11, I13, I20-I51 J40-J47 I60-I69 E10-E14 (Residual)	16,492		1,514.5	2,516	68	108	1,275	1,468	64	10,979	3	11
		6,075	1	557.9	751	23	28	486	491	19	4,275	-	2
		3,688	2	338.7	587	18	22	261	434	20	2,342	1	3
		1,264	3	116.1	71	6	12	28	75	-	1,071	-	1
		1,054	4	96.8	184	2	9	122	112	7	615	1	2
		756	5	69.4	244	4	7	62	89	6	344	-	-
		3,655			679	15	30	316	267	12	2,332	1	3

TABLE 5-9B. LEADING CAUSES OF FEMALE DEATHS BY AGE AND RACE/ETHNIC GROUP<sup>1</sup> AND RATES FOR ALL RACES COMBINED, CALIFORNIA, 2004

(By Place of Residence) (Rates are per 100,000 population in specified groups.)--Cont. 3 of 3

AGE GROUPS AND CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL FEMALE			HISPANIC	NON-HISPANIC RACE/ETHNIC GROUP										
		DEATHS	RANK	RATE		TWO OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER	UNKNOWN			
75-84 YEARS																
All Causes of Death	A00-Y89	33,580		4,048.4	3,626	98	106	2,292	2,043	55	25,338	1	21			
Diseases of the Heart	I00-I09, I11, I13, I20-I51	9,585	1	1,155.6	1,088	31	28	603	640	21	7,169	-	5			
Malignant Neoplasms	C00-C97	7,725	2	931.3	719	26	27	546	424	4	5,974	-	5			
Cerebrovascular Disease	I60-I69	3,258	3	392.8	346	11	9	302	249	6	2,332	-	3			
Chronic Lower Resp Disease	J40-J47	2,670	4	321.9	146	4	6	70	103	5	2,336	-	-			
Alzheimer's Disease	G30	1,480	5	178.4	105	4	1	53	99	-	1,217	-	1			
All Other Causes	(Residual)	8,862			1,222	22	35	718	528	19	6,311	1	7			
85 YEARS AND OVER																
All Causes of Death	A00-Y89	41,255		11,478.7	3,322	91	77	2,248	2,087	19	33,384	1	26			
Diseases of the Heart	I00-I09, I11, I13, I20-I51	15,959	1	4,440.4	1,219	42	28	829	821	10	13,003	-	7			
Cerebrovascular Disease	I60-I69	4,798	2	1,335.0	373	7	12	293	269	3	3,836	-	5			
Malignant Neoplasms	C00-C97	4,275	3	1,189.5	355	8	8	261	242	-	3,397	-	4			
Alzheimer's Disease	G30	3,139	4	873.4	196	5	6	76	134	-	2,720	-	2			
Influenza & Pneumonia	J10-J18	2,121	5	590.1	235	5	2	166	109	1	1,601	-	2			
All Other Causes	(Residual)	10,963			944	24	21	623	512	5	8,828	1	6			

- Represents zero events.

<sup>a</sup> Ranks and rates are not calculated for less than 10 deaths.<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6

Note: See Chapter 4 for leading causes of infant death by race and ethnic groups and infant mortality rates.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 5-10. TEN LEADING CAUSES OF DEATH, DEATH RATES, AGE-ADJUSTED DEATH RATES, AND PERCENT CHANGES BY SEX, CALIFORNIA, 2003-2004  
(By Place of Residence) (Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 U.S. standard population.)

2004 RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	NUMBER		PERCENT CHANGE	DEATH RATE		PERCENT CHANGE	AGE-ADJUSTED DEATH RATE		PERCENT CHANGE
			2003	2004		2003	2004		2003	2004	
	<b>ALL CAUSES</b>	<b>A00-Y89</b>	<b>239,325</b>	<b>232,464</b>	<b>-2.9</b>	<b>666.0</b>	<b>639.1</b>	<b>-4.0</b>	<b>717.2</b>	<b>686.6</b>	<b>-4.3</b>
1	DISEASES OF HEART	100-109, I11, I13, I20-I51	69,013	65,002	-5.8	192.0	178.7	-6.9	207.8	193.0	-7.1
2	MALIGNANT NEOPLASMS	C00-C97	54,307	53,708	-1.1	151.1	147.6	-2.3	165.1	160.6	-2.7
3	CEREBROVASCULAR DISEASE	I60-I69	17,686	16,884	-4.5	49.2	46.4	-5.7	53.3	50.3	-5.6
4	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	13,380	12,519	-6.4	37.2	34.4	-7.5	41.1	38.0	-7.5
5	ACCIDENTS	V01-X59, Y85-Y86	10,470	10,614	1.4	29.1	29.2	0.3	29.7	29.6	-0.3
6	INFLUENZA & PNEUMONIA	J10-J18	8,184	7,331	-10.4	22.8	20.2	-11.4	24.5	21.8	-11.0
7	DIABETES MELLITUS	E10-E14	7,088	7,119	0.4	19.7	19.6	-0.5	21.5	21.3	-0.9
8	ALZHEIMER'S DISEASE	G30	6,585	6,962	5.7	18.3	19.1	4.4	19.7	20.6	4.6
9	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	3,832	3,686	-3.8	10.7	10.1	-5.6	11.3	10.6	-6.2
10	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	3,396	3,364	-0.9	9.5	9.2	-3.2	9.6	9.4	-2.1
	<b>ALL OTHER CAUSES</b>	(Residual)	45,384	45,275							
<b>MALE:</b>											
	<b>ALL CAUSES</b>	<b>A00-Y89</b>	<b>120,161</b>	<b>116,934</b>	<b>-2.7</b>	<b>669.9</b>	<b>643.9</b>	<b>-3.9</b>	<b>842.0</b>	<b>804.3</b>	<b>-4.5</b>
1	DISEASES OF HEART	100-109, I11, I13, I20-I51	34,574	32,506	-6.0	192.7	179.0	-7.1	252.2	233.2	-7.5
2	MALIGNANT NEOPLASMS	C00-C97	27,495	27,370	-0.5	153.3	150.7	-1.7	193.0	188.7	-2.2
3	ACCIDENTS	V01-X59, Y85-Y86	7,005	7,043	0.5	39.1	38.8	-0.8	41.0	40.8	-0.5
4	CEREBROVASCULAR DISEASE	I60-I69	7,094	6,835	-3.7	39.5	37.6	-4.8	53.0	50.1	-5.5
5	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	6,268	5,871	-6.3	34.9	32.3	-7.4	46.6	43.0	-7.7
6	DIABETES MELLITUS	E10-E14	3,562	3,540	-0.6	19.9	19.5	-2.0	25.0	24.3	-2.8
7	INFLUENZA & PNEUMONIA	J10-J18	3,764	3,357	-10.8	21.0	18.5	-11.9	28.8	25.3	-12.2
8	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	2,663	2,543	-4.5	14.8	14.0	-5.4	15.7	14.7	-6.4
9	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	2,537	2,477	-2.4	14.1	13.6	-3.5	15.6	14.9	-4.5
10	ALZHEIMER'S DISEASE	G30	2,069	2,131	3.0	11.5	11.7	1.7	16.5	16.8	1.8
	<b>ALL OTHER CAUSES</b>	(Residual)	23,130	23,261							
<b>FEMALE:</b>											
	<b>ALL CAUSES</b>	<b>A00-Y89</b>	<b>119,164</b>	<b>115,530</b>	<b>-3.0</b>	<b>662.1</b>	<b>634.3</b>	<b>-4.2</b>	<b>613.4</b>	<b>588.5</b>	<b>-4.1</b>
1	DISEASES OF HEART	100-109, I11, I13, I20-I51	34,439	32,496	-5.6	191.4	178.4	-6.8	171.5	160.3	-6.5
2	MALIGNANT NEOPLASMS	C00-C97	26,812	26,338	-1.8	149.0	144.6	-3.0	145.5	140.8	-3.2
3	CEREBROVASCULAR DISEASE	I60-I69	10,592	10,049	-5.1	58.9	55.2	-6.3	52.7	49.7	-5.7
4	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	7,112	6,648	-6.5	39.5	36.5	-7.6	37.3	34.5	-7.5
5	ALZHEIMER'S DISEASE	G30	4,516	4,831	7.0	25.1	26.5	5.6	21.4	22.8	6.5
6	INFLUENZA & PNEUMONIA	J10-J18	4,420	3,974	-10.1	24.6	21.8	-11.4	21.6	19.4	-10.2
7	DIABETES MELLITUS	E10-E14	3,526	3,579	1.5	19.6	19.6	-	18.8	18.9	0.5
8	ACCIDENTS	V01-X59, Y85-Y86	3,465	3,571	3.1	19.3	19.6	1.6	18.8	19.1	1.6
9	HYPERTENSION	I10, I12	1,558	1,749	12.3	8.7	9.6	10.3	7.8	8.6	10.3
10	NEPHRITIS, NEPHROTIC SYNDROME	N00-N07, N17-N19, N25-N27	1,201	1,236	2.9	6.7	6.8	1.5	6.3	6.4	1.6
	<b>ALL OTHER CAUSES</b>	(Residual)	21,523	21,059							

- Represents no change.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 5-10A. TEN LEADING CAUSES OF DEATH, DEATH RATES, AGE-ADJUSTED DEATH RATES AND PERCENT CHANGES BY SEX - **HISPANIC** - CALIFORNIA, 2003-2004  
(By Place of Residence) (Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 U.S. standard population.)

2004 RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	NUMBER		PERCENT CHANGE	DEATH RATE		PERCENT CHANGE	AGE-ADJUSTED DEATH RATE		PERCENT CHANGE
			2003	2004		2003	2004		2003	2004	
<b>ALL CAUSES</b>		<b>A00-Y89</b>	<b>33,416</b>	<b>33,376</b>	<b>-0.1</b>	<b>268.9</b>	<b>260.4</b>	<b>-3.2</b>	<b>584.5</b>	<b>557.1</b>	<b>-4.7</b>
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	7,705	7,583	-1.6	62.0	59.2	-4.5	164.7	153.2	-7.0
2	MALIGNANT NEOPLASMS	C00-C97	6,666	6,816	2.3	53.6	53.2	-0.7	120.0	117.7	-1.9
3	ACCIDENTS	V01-X59, Y85-Y86	2,692	2,622	-2.6	21.7	20.5	-5.5	26.1	24.7	-5.4
4	CEREBROVASCULAR DISEASES	I60-I69	2,063	2,139	3.7	16.6	16.7	0.6	44.0	43.3	-1.6
5	DIABETES MELLITUS	E10-E14	1,755	1,817	3.5	14.1	14.2	0.7	34.6	34.3	-0.9
6	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	1,215	1,128	-7.2	9.8	8.8	-10.2	17.5	15.6	-10.9
7	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	1,085	1,089	0.4	8.7	8.5	-2.3	7.8	7.5	-3.8
8	INFLUENZA & PNEUMONIA	J10-J18	956	968	1.3	7.7	7.6	-1.3	21.2	21.1	-0.5
9	CHRONIC LOWER RESPIRATORY DISEASES	J40-J47	847	820	-3.2	6.8	6.4	-5.9	19.2	17.4	-9.4
10	CERTAIN PERINATAL CONDITIONS	P00-P96	669	718	7.3	5.4	5.6	3.7	3.5	3.6	2.9
	ALL OTHER CAUSES	(Residual)	7,763	7,676							
<b>MALE:</b>											
<b>ALL CAUSES</b>		<b>A00-Y89</b>	<b>18,777</b>	<b>18,786</b>	<b>a</b>	<b>295.4</b>	<b>286.6</b>	<b>-3.0</b>	<b>700.1</b>	<b>668.0</b>	<b>-4.6</b>
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	4,115	4,110	-0.1	64.7	62.7	-3.1	197.9	187.1	-5.5
2	MALIGNANT NEOPLASMS	C00-C97	3,386	3,511	3.7	53.3	53.6	0.6	142.0	142.5	0.4
3	ACCIDENTS	V01-X59, Y85-Y86	2,048	1,962	-4.2	32.2	29.9	-7.1	38.9	36.7	-5.7
4	CEREBROVASCULAR DISEASE	I60-I69	948	1,033	9.0	14.9	15.8	6.0	46.1	47.3	2.6
5	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	947	967	2.1	14.9	14.8	-0.7	12.9	12.7	-1.6
6	DIABETES MELLITUS	E10-E14	873	889	1.8	13.7	13.6	-0.7	39.1	37.1	-5.1
7	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	873	810	-7.2	13.7	12.4	-9.5	25.2	22.4	-11.1
8	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	437	443	1.4	6.9	6.8	-1.4	8.3	7.7	-7.2
9	INFLUENZA & PNEUMONIA	J10-J18	461	442	-4.1	7.3	6.7	-8.2	24.6	23.4	-4.9
10	CERTAIN PERINATAL CONDITIONS	P00-P96	370	432	16.8	5.8	6.6	13.8	3.8	4.3	13.2
	ALL OTHER CAUSES	(Residual)	4,319	4,187							
<b>FEMALE:</b>											
<b>ALL CAUSES</b>		<b>A00-Y89</b>	<b>14,639</b>	<b>14,590</b>	<b>-0.3</b>	<b>241.2</b>	<b>233.0</b>	<b>-3.4</b>	<b>487.8</b>	<b>464.0</b>	<b>-4.9</b>
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	3,590	3,473	-3.3	59.2	55.5	-6.3	137.9	126.1	-8.6
2	MALIGNANT NEOPLASMS	C00-C97	3,280	3,305	0.8	54	52.8	-2.2	104.5	100.3	-4.0
3	CEREBROVASCULAR DISEASE	I60-I69	1,115	1,106	-0.8	18.4	17.7	-3.8	41.9	39.9	-4.8
4	DIABETES MELLITUS	E10-E14	882	928	5.2	14.5	14.8	2.1	31.1	31.7	1.9
5	ACCIDENTS	V01-X59, Y85-Y86	644	660	2.5	10.6	10.5	-0.9	13.5	13.1	-3.0
6	INFLUENZA & PNEUMONIA	J10-J18	495	526	6.3	8.2	8.4	2.4	18.9	19.5	3.2
7	CHRONIC LOWER RESPIRATORY DISEASES	J40-J47	397	397	-	6.5	6.3	-3.1	15.2	14.5	-4.6
8	ALZHEIMER'S DISEASE	G30	289	322	11.4	4.8	5.1	6.3	12.1	12.9	6.6
9	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	342	318	-7.0	5.6	5.1	-8.9	10.4	9.3	-10.6
10	CERTAIN PERINATAL CONDITIONS	P00-P96	299	286	-4.3	4.9	4.6	-6.1	3.2	3.0	-6.3
	ALL OTHER CAUSES	(Residual)	3,306	3,269							

- Represents no change  
a Less than 0.05 Percent

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 5-10B. TEN LEADING CAUSES OF DEATH, DEATH RATES, AGE-ADJUSTED DEATH RATES, AND PERCENT CHANGES BY SEX - **ASIAN** - CALIFORNIA, 2003-2004  
(By Place of Residence) (Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 U.S. standard population.)

2004 RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	NUMBER		PERCENT CHANGE	DEATH RATE		PERCENT CHANGE	AGE-ADJUSTED DEATH RATE		PERCENT CHANGE
			2003	2004		2003	2004		2003	2004	
	<b>ALL CAUSES</b>	<b>A00-Y89</b>	<b>15,857</b>	<b>15,886</b>	<b>0.2</b>	<b>404.5</b>	<b>393.5</b>	<b>-2.7</b>	<b>456.8</b>	<b>436.6</b>	<b>-4.4</b>
1	MALIGNANT NEOPLASMS	C00-C97	4,250	4,402	3.6	108.4	109.0	0.6	118.1	116.6	-1.3
2	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	4,201	3,944	-6.1	107.2	97.7	-8.9	124.2	111.6	-10.1
3	CEREBROVASCULAR DISEASE	I60-I69	1,566	1,571	0.3	39.9	38.9	-2.5	46.3	44.1	-4.8
4	ACCIDENTS	V01-X59, Y85-Y86	651	652	0.2	16.6	16.2	-2.4	17.3	16.6	-4.0
5	INFLUENZA & PNEUMONIA	J10-J18	623	627	0.6	15.9	15.5	-2.5	19.1	18.3	-4.2
6	DIABETES MELLITUS	E10-E14	620	627	1.1	15.8	15.5	-1.9	18.2	17.3	-4.9
7	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	622	585	-5.9	15.9	14.5	-8.8	18.8	16.9	-10.1
8	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	220	274	24.5	5.6	6.8	21.4	5.5	6.5	18.2
9	HYPERTENSION	I10, I12	190	251	32.1	4.8	6.2	29.2	5.7	7.2	26.3
10	ALZHEIMER'S DISEASE	G30	161	229	42.2	4.1	5.7	39.0	5.1	6.8	33.3
	<b>ALL OTHER CAUSES</b>	(Residual)	2,753	2,724							
<b>MALE:</b>											
	<b>ALL CAUSES</b>	<b>A00-Y89</b>	<b>8,341</b>	<b>8,349</b>	<b>0.1</b>	<b>440.1</b>	<b>428.0</b>	<b>-2.7</b>	<b>547.9</b>	<b>526.5</b>	<b>-3.9</b>
1	MALIGNANT NEOPLASMS	C00-C97	2,184	2,329	6.6	115.2	119.4	3.6	139.6	142.2	1.9
2	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	2,235	2,099	-6.1	117.9	107.6	-8.7	151.4	137.2	-9.4
3	CEREBROVASCULAR DISEASE	I60-I69	743	740	-0.4	39.2	37.9	-3.3	50.9	48.3	-5.1
4	ACCIDENTS	V01-X59, Y85-Y86	381	393	3.1	20.1	20.1	-	21.7	21.4	-1.4
5	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	404	377	-6.7	21.3	19.3	-9.4	28.9	26.1	-9.7
6	INFLUENZA & PNEUMONIA	J10-J18	331	301	-9.1	17.5	15.4	-12.0	24.3	21.1	-13.2
7	DIABETES MELLITUS	E10-E14	299	293	-2.0	15.8	15.0	-5.1	20.0	18.7	-6.5
8	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	160	182	13.8	8.4	9.3	10.7	8.3	9.1	9.6
9	NEPHRITIS, NEPHROTIC SYNDROME	N00-N07, N17-N19, N25-N27	92	110	19.6	4.9	5.6	14.3	6.3	7.4	17.5
10	HYPERTENSION	I10, I12	81	102	25.9	4.3	5.2	20.9	5.8	6.8	17.2
	<b>ALL OTHER CAUSES</b>	(Residual)	1,431	1,423							
<b>FEMALE:</b>											
	<b>ALL CAUSES</b>	<b>A00-Y89</b>	<b>7,516</b>	<b>7,537</b>	<b>0.3</b>	<b>371.2</b>	<b>361.2</b>	<b>-2.7</b>	<b>385.2</b>	<b>366.5</b>	<b>-4.9</b>
1	MALIGNANT NEOPLASMS	C00-C97	2,066	2,073	0.3	102.0	99.4	-2.5	102.1	97.4	-4.6
2	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	1,966	1,845	-6.2	97.1	88.4	-9.0	102.7	91.5	-10.9
3	CEREBROVASCULAR DISEASE	I60-I69	823	831	1.0	40.6	39.8	-2.0	42.6	40.8	-4.2
4	DIABETES MELLITUS	E10-E14	321	334	4.0	15.9	16.0	0.6	16.6	16.3	-1.8
5	INFLUENZA & PNEUMONIA	J10-J18	292	326	11.6	14.4	15.6	8.3	15.4	16.2	5.2
6	ACCIDENTS	V01-X59, Y85-Y86	270	259	-4.1	13.3	12.4	-6.8	13.5	12.4	-8.1
7	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	218	208	-4.6	10.8	10.0	-7.4	11.4	10.3	-9.6
8	HYPERTENSION	I10, I12	109	149	36.7	5.4	7.1	31.5	5.7	7.4	29.8
9	ALZHEIMER'S DISEASE	G30	99	137	38.4	4.9	6.6	34.7	5.3	6.9	30.2
10	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	60	92	53.3	3.0	4.4	46.7	2.9	4.2	44.8
	<b>ALL OTHER CAUSES</b>	(Residual)	1,292	1,283							

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-20050, Sacramento, CA, May 2004.

TABLE 5-10C. TEN LEADING CAUSES OF DEATH, DEATH RATES, AGE-ADJUSTED DEATH RATES, AND PERCENT CHANGES BY SEX - **BLACK** - CALIFORNIA, 2003-2004  
(By Place of Residence) (Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 U.S. standard population.)

2004 RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	NUMBER		PERCENT CHANGE	DEATH RATE		PERCENT CHANGE	AGE-ADJUSTED DEATH RATE		PERCENT CHANGE
			2003	2004		2003	2004		2003	2004	
	<b>ALL CAUSES</b>	<b>A00-Y89</b>	<b>18,557</b>	<b>18,289</b>	<b>-1.4</b>	<b>774.1</b>	<b>754.2</b>	<b>-2.6</b>	<b>1,015.6</b>	<b>971.3</b>	<b>-4.4</b>
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	5,372	5,049	-6.0	224.1	208.2	-7.1	307.6	280.7	-8.7
2	MALIGNANT NEOPLASMS	C00-C97	4,067	4,091	0.6	169.7	168.7	-0.6	224.8	218.6	-2.8
3	CEREBROVASCULAR DISEASE	I60-I69	1,357	1,303	-4.0	56.6	53.7	-5.1	80.0	75.6	-5.5
4	ACCIDENTS	V01-X59, Y85-Y86	745	791	6.2	31.1	32.6	4.8	32.7	34.2	4.6
5	DIABETES MELLITUS	E10-E14	808	788	-2.5	33.7	32.5	-3.6	45.6	42.6	-6.6
6	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	725	764	5.4	30.2	31.5	4.3	28.8	30.0	4.2
7	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	673	666	-1.0	28.1	27.5	-2.1	38.4	37.6	-2.1
8	INFLUENZA & PNEUMONIA	J10-J18	480	475	-1.0	20.0	19.6	-2.0	29.2	28.0	-4.1
9	ALZHEIMER'S DISEASE	G30	288	353	22.6	12.0	14.6	21.7	19.1	22.6	18.3
10	HYPERTENSION	I10, I12	317	350	10.4	13.2	14.4	9.1	18.6	19.8	6.5
	ALL OTHER CAUSES	(Residual)	3,725	3,659							
<b>MALE:</b>											
	<b>ALL CAUSES</b>	<b>A00-Y89</b>	<b>9,646</b>	<b>9,536</b>	<b>-1.1</b>	<b>816.9</b>	<b>798.7</b>	<b>-2.2</b>	<b>1,207.4</b>	<b>1,156.6</b>	<b>-4.2</b>
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	2,671	2,510	-6.0	226.2	210.2	-7.1	360.1	327.2	-9.1
2	MALIGNANT NEOPLASMS	C00-C97	2,103	2,077	-1.2	178.1	174.0	-2.3	276.9	265.4	-4.2
3	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	634	686	8.2	53.7	57.5	7.1	50.1	53.7	7.2
4	ACCIDENTS	V01-X59, Y85-Y86	498	537	7.8	42.2	45.0	6.6	45.7	48.9	7.0
5	CEREBROVASCULAR DISEASE	I60-I69	561	521	-7.1	47.5	43.6	-8.2	80.1	73.0	-8.9
6	DIABETES MELLITUS	E10-E14	358	380	6.1	30.3	31.8	5.0	47.3	47.3	-
7	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	376	350	-7.0	31.8	29.3	-7.9	53.1	48.4	-8.9
8	HUMAN IMMUNODEFICIENCY VIRUS DISEASE	B20-B24	253	246	-2.8	21.4	20.6	-3.7	22.2	21.1	-5.0
9	INFLUENZA & PNEUMONIA	J10-J18	245	216	-11.8	20.7	18.1	-12.6	37.8	32.3	-14.6
10	NEPHRITIS, NEPHROTIC SYNDROME	N00-N07, N17-N19, N25-N27	156	142	-9.0	13.2	11.9	-9.8	20.5	18.8	-8.3
	ALL OTHER CAUSES	(Residual)	1,791	1,871							
<b>FEMALE:</b>											
	<b>ALL CAUSES</b>	<b>A00-Y89</b>	<b>8,911</b>	<b>8,753</b>	<b>-1.8</b>	<b>732.5</b>	<b>711.0</b>	<b>-2.9</b>	<b>857.8</b>	<b>820.1</b>	<b>-4.4</b>
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	2,701	2,539	-6.0	222.0	206.2	-7.1	263.8	241.3	-8.5
2	MALIGNANT NEOPLASMS	C00-C97	1,964	2,014	2.5	161.4	163.6	1.4	189.8	188.2	-0.8
3	CEREBROVASCULAR DISEASE	I60-I69	796	782	-1.8	65.4	63.5	-2.9	78.2	75.7	-3.2
4	DIABETES MELLITUS	E10-E14	450	408	-9.3	37.0	33.1	-10.5	44.3	38.7	-12.6
5	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	297	316	6.4	24.4	25.7	5.3	28.8	30.8	6.9
6	INFLUENZA & PNEUMONIA	J10-J18	235	259	10.2	19.3	21.0	8.8	23.3	24.9	6.9
7	ACCIDENTS	V01-X59, Y85-Y86	247	254	2.8	20.3	20.6	1.5	21.0	21.2	1.0
8	ALZHEIMER'S DISEASE	G30	200	253	26.5	16.4	20.5	25.0	20.1	25.1	24.9
9	HYPERTENSION	I10, I12	198	208	5.1	16.3	16.9	3.7	19.7	19.7	-
10	NEPHRITIS, NEPHROTIC SYNDROME	N00-N07, N17-N19, N25-N27	155	138	-11.0	12.7	11.2	-11.8	15.2	12.9	-15.1
	ALL OTHER CAUSES	(Residual)	1,668	1,582							

- Represents no change.

Source: State of California, Department of Health Services, Death Records.  
State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 5-10D. TEN LEADING CAUSES OF DEATH, DEATH RATES, AGE-ADJUSTED DEATH RATES, AND PERCENT CHANGES BY SEX - **WHITE/OTHER/UNKNOWN** - CALIFORNIA, 2003-2004  
(By Place of Residence) (Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 U.S. standard population.)

2004 RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	NUMBER		PERCENT CHANGE	DEATH RATE		PERCENT CHANGE	AGE-ADJUSTED DEATH RATE		PERCENT CHANGE
			2003	2004		2003	2004		2003	2004	
	<b>ALL CAUSES</b>	<b>A00-Y89</b>	<b>168,958</b>	<b>162,330</b>	<b>-3.9</b>	<b>1,049.7</b>	<b>1,016.6</b>	<b>-3.2</b>	<b>769.7</b>	<b>743.1</b>	<b>-3.5</b>
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	51,099	47,820	-6.4	317.5	299.5	-5.7	223.4	209.6	-6.2
2	MALIGNANT NEOPLASMS	C00-C97	38,810	37,841	-2.5	241.1	237.0	-1.7	181.4	176.9	-2.5
3	CEREBROVASCULAR DISEASE	I60-I69	12,560	11,722	-6.7	78.0	73.4	-5.9	53.8	50.7	-5.8
4	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	11,117	10,329	-7.1	69.1	64.7	-6.4	50.1	46.6	-7.0
5	ACCIDENTS	V01-X59, Y85-Y86	6,199	6,367	2.7	38.5	39.9	3.6	34.5	35.6	3.2
6	ALZHEIMER'S DISEASE	G30	5,651	5,873	3.9	35.1	36.8	4.8	23.2	24.3	4.7
7	INFLUENZA & PNEUMONIA	J10-J18	6,060	5,209	-14.0	37.6	32.6	-13.3	25.8	22.3	-13.6
8	DIABETES MELLITUS	E10-E14	3,778	3,770	-0.2	23.5	23.6	0.4	17.4	17.5	0.6
9	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	2,468	2,357	-4.5	15.3	14.8	-3.3	13.8	13.3	-3.6
10	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	2,199	2,158	-1.9	13.7	13.5	-1.5	11.0	10.7	-2.7
	<b>ALL OTHER CAUSES</b>	(Residual)	29,017	28,884							
<b>MALE:</b>											
	<b>ALL CAUSES</b>	<b>A00-Y89</b>	<b>82,021</b>	<b>78,894</b>	<b>-3.8</b>	<b>1,029.5</b>	<b>997.8</b>	<b>-3.1</b>	<b>898.2</b>	<b>863.1</b>	<b>-3.9</b>
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	25,188	23,480	-6.8	316.1	296.9	-6.1	273.8	255.0	-6.9
2	MALIGNANT NEOPLASMS	C00-C97	19,586	19,183	-2.1	245.8	242.6	-1.3	210.0	205.1	-2.3
3	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	4,972	4,655	-6.4	62.4	58.9	-5.6	54.1	50.6	-6.5
4	CEREBROVASCULAR DISEASE	I60-I69	4,774	4,475	-6.3	59.9	56.6	-5.5	52.5	49.3	-6.1
5	ACCIDENTS	V01-X59, Y85-Y86	3,957	4,034	1.9	49.7	51.0	2.6	46.5	47.5	2.2
6	INFLUENZA & PNEUMONIA	J10-J18	2,699	2,370	-12.2	33.9	30.0	-11.5	30.0	26.2	-12.7
7	DIABETES MELLITUS	E10-E14	1,969	1,924	-2.3	24.7	24.3	-1.6	21.2	20.7	-2.4
8	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	1,906	1,779	-6.7	23.9	22.5	-5.9	21.9	20.6	-5.9
9	ALZHEIMER'S DISEASE	G30	1,750	1,772	1.3	22.0	22.4	1.8	19.5	19.8	1.5
10	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	1,393	1,402	0.6	17.5	17.7	1.1	14.6	14.5	-0.7
	<b>ALL OTHER CAUSES</b>	(Residual)	13,827	13,820							
<b>FEMALE:</b>											
	<b>ALL CAUSES</b>	<b>A00-Y89</b>	<b>86,937</b>	<b>83,436</b>	<b>-4.0</b>	<b>1,069.5</b>	<b>1,035.1</b>	<b>-3.2</b>	<b>663.2</b>	<b>642.9</b>	<b>-3.1</b>
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	25,911	24,340	-6.1	318.8	302.0	-5.3	181.8	172.2	-5.3
2	MALIGNANT NEOPLASMS	C00-C97	19,224	18,658	-2.9	236.5	231.5	-2.1	161.7	157.3	-2.7
3	CEREBROVASCULAR DISEASE	I60-I69	7,786	7,247	-6.9	95.8	89.9	-6.2	53.8	51.1	-5.0
4	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	6,145	5,674	-7.7	75.6	70.4	-6.9	47.6	43.9	-7.8
5	ALZHEIMER'S DISEASE	G30	3,901	4,101	5.1	47.9	50.9	6.3	25.2	26.9	6.7
6	INFLUENZA & PNEUMONIA	J10-J18	3,361	2,839	-15.5	41.3	35.2	-14.8	23.1	19.8	-14.3
7	ACCIDENTS	V01-X59, Y85-Y86	2,242	2,333	4.1	27.6	28.9	4.7	22.9	24.2	5.7
8	DIABETES MELLITUS	E10-E14	1,809	1,846	2.0	22.3	22.9	2.7	14.4	14.9	3.5
9	HYPERTENSION	I10, I12	1,043	1,164	11.6	12.8	14.4	12.5	7.2	8.1	12.5
10	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	806	756	-6.2	9.9	9.4	-5.1	7.7	7.2	-6.5
	<b>ALL OTHER CAUSES</b>	(Residual)	14,709	14,478							

Source: State of California, Department of Health Services, Death Records.  
State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.



TABLE 5-11. LEADING CAUSES OF DEATH AND PERCENT OF DEATHS BY RACE<sup>1</sup>, CALIFORNIA, 2004 (By Place of Residence)

RACE OF DECEDENT	TOTAL ALL CAUSES	LEADING CAUSES OF DEATH FOR CALIFORNIA										Assault (Homicide) U01-U02, X85-Y09, Y87.1	ALL OTHER CAUSES Residual
		Diseases of the Heart I00-I09, I11, I13, I20-I51	Malignant Neoplasms C00-C97	Cerebro- vascular Disease I60-I69	Chronic Lower Respiratory Disease J40-J47	Accidents V01-X59, Y85-Y86	Influenza/ Pneumonia J10-J18	Diabetes E10-E14	Alzheimer's Disease G30	Cirrhosis K70, K73-K74	Intentional Self-Harm U03, X60-X84, Y87.0	Hyperten- sion I10, I12	
<b>DEATHS:</b>													
TOTAL	232,464	65,002	53,708	16,884	12,519	10,614	7,331	7,119	6,962	3,686	3,364	2,860	39,926
2 OR MORE RACES	1,210	242	238	57	60	103	28	36	16	21	40	30	329
AMERICAN INDIAN	1,087	254	218	58	55	84	18	54	14	56	18	23	222
BLACK	18,413	5,068	4,110	1,312	667	804	476	795	354	191	137	351	3,370
CAMBODIAN	251	40	61	30	4	14	8	15	2	13	1	3	53
CHINESE	4,699	1,059	1,455	527	191	137	221	163	74	23	62	77	690
ESKIMO/ALEUT	6	1	-	-	-	2	-	-	-	1	-	-	2
FILIPINO	4,384	1,270	1,120	434	166	152	120	210	50	29	54	63	691
GUAMANIAN	96	22	24	8	3	7	1	8	-	1	3	2	15
HAWAIIAN	109	38	30	8	5	4	1	5	-	-	3	1	13
HONGKONG	227	39	38	23	15	17	4	15	-	4	6	4	52
INDIAN (INDIA)	780	211	161	59	24	54	30	30	9	13	22	15	137
JAPANESE	2,271	619	610	205	82	77	99	90	56	15	24	38	351
KOREAN	1,340	296	415	117	39	74	79	50	10	9	58	20	163
LAOTIAN	268	55	69	19	9	13	4	9	-	4	5	13	62
SAMOAN	195	54	56	13	4	7	3	14	2	1	2	2	33
THAI	84	15	27	7	-	3	2	2	1	2	4	4	17
VIETNAMESE	1,297	266	391	121	45	79	56	32	23	17	23	17	213
WHITE	194,679	55,195	44,473	13,801	11,119	8,896	6,145	5,556	6,341	3,256	2,880	2,217	33,291
OTHER ASIAN	363	97	70	36	12	39	7	12	4	4	16	1	58
OTHER PACIFIC ISL.	230	61	49	18	3	12	6	12	-	6	1	6	49
OTHER RACE	236	47	63	14	6	18	7	6	-	10	3	6	48
UNKNOWN	239	53	30	17	10	18	16	5	6	10	2	1	67
<b>PERCENT<sup>2</sup> BY RACE</b>													
TOTAL	100.0	28.0	23.1	7.3	5.4	4.6	3.2	3.1	3.0	1.6	1.4	1.2	17.2
2 OR MORE RACES	100.0	20.0	19.7	4.7	5.0	8.5	4.7	3.0	1.3	1.7	3.3	0.8	27.2
AMERICAN INDIAN	100.0	23.4	20.1	5.3	5.1	7.7	1.7	5.0	1.3	5.2	1.7	1.2	20.4
BLACK	100.0	27.5	22.3	7.1	3.6	4.4	2.6	4.3	1.9	1.0	0.7	1.9	18.3
CAMBODIAN	100.0	15.9	24.3	12.0	1.6	5.6	3.2	6.0	0.8	5.2	0.4	1.2	21.1
CHINESE	100.0	22.5	31.0	11.2	4.1	2.9	4.7	3.5	1.6	0.5	1.3	1.6	14.7
ESKIMO/ALEUT	100.0	16.7	-	-	-	33.3	-	-	-	16.7	-	-	33.3
FILIPINO	100.0	29.0	25.5	9.9	3.8	3.5	2.7	4.8	1.1	0.7	1.2	1.4	15.8
GUAMANIAN	100.0	22.9	25.0	8.3	3.1	7.3	1.0	8.3	-	1.0	3.1	2.1	15.6
HAWAIIAN	100.0	34.9	27.5	7.3	4.6	3.7	0.9	4.6	-	-	2.8	0.9	11.9
HONGKONG	100.0	17.2	16.7	10.1	6.6	7.5	1.8	6.6	-	1.8	2.6	1.8	22.9
INDIAN (INDIA)	100.0	27.1	20.6	7.6	3.1	6.9	3.8	3.8	1.2	1.7	2.8	1.9	17.6
JAPANESE	100.0	27.3	26.9	9.0	3.6	3.4	4.4	4.0	2.5	0.7	1.1	1.5	15.5
KOREAN	100.0	22.1	31.0	8.7	2.9	5.5	5.9	3.7	0.7	0.7	4.3	1.5	12.2
LAOTIAN	100.0	20.5	25.7	7.1	3.4	4.9	1.5	3.4	-	1.5	1.9	4.9	23.1
SAMOAN	100.0	27.7	28.7	6.7	2.1	3.6	1.5	7.2	1.0	0.5	1.0	1.0	16.9
THAI	100.0	17.9	32.1	8.3	-	3.6	2.4	2.4	1.2	2.4	4.8	-	20.2
VIETNAMESE	100.0	20.5	30.1	9.3	3.5	6.1	4.3	2.5	1.8	1.3	1.8	1.3	16.4
WHITE	100.0	28.4	22.8	7.1	5.7	4.6	3.2	2.9	3.3	1.7	1.5	1.1	17.1
OTHER ASIAN	100.0	26.7	19.3	9.9	3.3	10.7	1.9	3.3	1.1	1.1	4.4	0.3	16.0
OTHER PACIFIC ISL	100.0	26.5	21.3	7.8	1.3	5.2	2.6	5.2	-	2.6	0.4	2.6	21.3
OTHER RACE	100.0	19.9	26.7	5.9	2.5	7.6	3.0	2.5	-	4.2	1.3	2.5	20.3
UNKNOWN	100.0	22.2	12.6	7.1	4.2	7.5	6.7	2.1	2.5	4.2	0.8	0.4	28.0

- Represents zero events.

<sup>1</sup> The list of races on this table is compiled by identifying decedents who were reported as being of 2 or more races groups before tabulating single races.<sup>2</sup> This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. See Chapter 6<sup>3</sup> Percentages are rounded independently and may not add to totals

Note: Causes of death are coded to the Tenth Revision of the International Classification of Diseases.

Source: State of California, Department of Health Services, Death Records.



TABLE 5-12. SELECTED DETAIL WITHIN LEADING CAUSES OF DEATH BY SEX AND RACE/ETHNIC GROUP<sup>1</sup>, CALIFORNIA, 2004 (By Place of Residence)

RACE/ETHNIC GROUP	MALE DEATHS											SUICIDE BY FIREARMS X72-X74	SUICIDE BY FIREARMS U01.4, X93-X95
	CANCER			HEART DISEASE			ACCIDENTS						
	COLON C18	LUNG C33-C34	PROSTATE C61	HYPERTEN- SIVE HEART I11, I13	ISCHEMIC HEART I20-I25	CARDIO- MYOPATHY I42	MOTOR VEHICLE (See Footnote)	POISONINGS X40-X49	DROWNINGS W65-W74				
TOTAL MALES	2,072	7,155	2,974	2,077	24,768	1,757	3,033	1,639	282	1,185	1,634		
HISPANIC	250	667	348	248	3,145	246	1,095	376	85	165	777		
NON-HISPANIC													
2 OR MORE RACE GROUPS	6	22	6	8	70	9	26	13	1	5	7		
AMERICAN INDIAN	7	23	7	10	85	6	13	20	2	4	5		
ASIAN	198	634	155	141	1,670	84	196	31	33	52	61		
BLACK	176	585	311	323	1,741	204	227	157	18	31	589		
PACIFIC ISLANDER	6	23	9	10	68	9	12	3	1	5	12		
WHITE	1,426	5,196	2,135	1,334	17,961	1,198	1,462	1,034	139	922	182		
OTHER RACES	1	-	-	1	-	-	-	-	1	-	-		
UNKNOWN	2	5	3	2	28	1	2	5	2	1	1		
FEMALE DEATHS													
RACE/ETHNIC GROUP	CANCER			HEART DISEASE			ACCIDENTS			SUICIDE BY FIREARMS X72-X74	SUICIDE BY FIREARMS U01.4, X93-X95		
	CANCER			HEART DISEASE			ACCIDENTS						
	COLON C18	LUNG C33-C34	BREAST C50	FEMALE GENITALS C51-C58	HYPERTEN- SIVE HEART I11, I13	ISCHEMIC HEART I20-I25	MOTOR VEHICLE (See Footnote)	POISONINGS X40-X49	DROWNINGS W65-W74				
TOTAL FEMALES	2,179	6,254	4,210	2,872	2,330	23,481	1,379	886	99	178	174		
HISPANIC	230	395	544	468	233	2,558	377	102	26	18	62		
NON-HISPANIC													
2 OR MORE RACE GROUPS	13	16	19	10	6	81	13	11	2	5	1		
AMERICAN INDIAN	15	25	15	8	8	73	12	11	-	2	3		
ASIAN	204	390	321	228	152	1,387	155	11	12	9	12		
BLACK	217	419	387	197	283	1,781	88	99	6	8	38		
PACIFIC ISLANDER	6	17	11	14	8	51	2	2	-	-	-		
WHITE	1,493	4,988	2,913	1,946	1,639	17,538	730	650	53	136	58		
OTHER RACES	-	-	-	-	-	-	-	-	-	-	-		
UNKNOWN	1	4	-	1	1	12	2	-	-	-	-		

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

- Represents zero events.

Note: The ICD-10 codes for motor vehicle accidents are: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-13. NINETEEN MAJOR CAUSES OF DEATH, DEATH RATES, AND AGE-ADJUSTED DEATH RATES BY SEX, CALIFORNIA, 2004 (By Place of Residence)  
(Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 U.S. standard population.)

CAUSES OF DEATH	ICD (Rev. 10)	DEATHS			DEATH RATES			AGE-ADJUSTED RATES		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>TOTAL ALL CAUSES</b>	<b>A00-Y89</b>	<b>232,464</b>	<b>116,934</b>	<b>115,530</b>	<b>639.1</b>	<b>643.9</b>	<b>634.3</b>	<b>686.6</b>	<b>804.3</b>	<b>588.5</b>
HUMAN IMMUNODEFICIENCY VIRUS DISEASE (HIVD)	B20-B24	1,377	1,183	194	3.8	6.5	1.1	3.8	6.6	1.1
MALIGNANT NEOPLASMS	C00-C97	53,708	27,370	26,338	147.6	150.7	144.6	160.6	188.7	140.8
DIABETES	E10-E14	7,119	3,540	3,579	19.6	19.5	19.6	21.3	24.3	18.9
PARKINSON'S DISEASE	G20-G21	1,830	1,080	750	5.0	5.9	4.1	5.6	8.3	3.7
ALZHEIMER'S DISEASE	G30	6,962	2,131	4,831	19.1	11.7	26.5	20.6	16.8	22.8
HEART DISEASE	I00-I09, I11, I13, I20-I51	65,002	32,506	32,496	178.7	179.0	178.4	193.0	233.2	160.3
HYPERTENSION	I10, I12	2,860	1,111	1,749	7.9	6.1	9.6	8.5	8.1	8.6
CEREBROVASCULAR DISEASE	I60-I69	16,884	6,835	10,049	46.4	37.6	55.2	50.3	50.1	49.7
ATHEROSCLEROSIS	I70	1,358	538	820	3.7	3.0	4.5	4.0	4.1	3.9
AORTIC ANEURYSM	I71	1,252	799	453	3.4	4.4	2.5	3.8	5.6	2.3
INFLUENZA & PNEUMONIA	J10-J18	7,331	3,357	3,974	20.2	18.5	21.8	21.8	25.3	19.4
CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	12,519	5,871	6,648	34.4	32.3	36.5	38.0	43.0	34.5
CHRONIC LIVER DISEASE AND CIRRHOSIS	K70, K73-K74	3,686	2,477	1,209	10.1	13.6	6.6	10.6	14.9	6.6
NEPHRITIS	N00-N07, N17-N19, N25-N27	2,371	1,135	1,236	6.5	6.2	6.8	7.1	8.1	6.4
CERTAIN PERINATAL CONDITIONS	P00-P96	1,420	823	597	3.9	4.5	3.3	3.7	4.2	3.2
CONGENITAL MALFORMATION, DEFORMATIONS, AND CHROMO- SOMAL ABNORMALITIES	Q00-Q99	1,291	673	618	3.5	3.7	3.4	3.5	3.7	3.3
ACCIDENTS	V01-X59, Y85-Y86	10,614	7,043	3,571	29.2	38.8	19.6	29.6	40.8	19.1
INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	3,364	2,543	821	9.2	14.0	4.5	9.4	14.7	4.5
ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	2,489	2,106	383	6.8	11.6	2.1	6.7	11.0	2.1

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 5-14. MAJOR CAUSES OF DEATH BY RACE/ETHNIC GROUP<sup>1</sup> AND RATES FOR ALL RACES COMBINED, CALIFORNIA, 2004 (By Place of Residence)  
(Rates are per 100,000 population in specified groups.)

CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS		RACE/ETHNICITY								
		DEATHS	RATE	HISPANIC	2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	NON-HISPANIC				
								BLACK	PACIFIC ISLANDER	WHITE	OTHER	
ALL CAUSES	A00-Y89	232,464	639.1	33,376	980	980	15,886	18,289	623	162,083	19	228
CERTAIN INFECTIOUS AND PARASITIC DISEASES	A00-B99	4,794	13.2	1,107	36	51	311	595	16	2,668	-	10
Human Immunodeficiency Virus Disease	B20-B24	1,377	3.8	369	19	15	29	311	4	626	-	4
MALIGNANT NEOPLASMS	C00-C97	53,708	147.7	6,816	201	199	4,402	4,091	158	37,809	2	30
Of Digestive Organs	C15-C26	13,608	37.4	2,099	58	67	1,598	1,104	42	8,631	1	8
Esophagus	C15	1,170	3.2	111	4	3	70	77	1	904	-	-
Stomach	C16	1,481	4.1	419	4	7	253	135	7	656	-	-
Colon	C18	4,251	11.7	480	19	22	402	393	12	2,919	1	3
Liver	C22.0, C22.2-C22.9	1,567	4.3	352	4	13	378	119	10	690	-	1
Pancreas	C25	3,235	8.9	461	17	10	277	256	7	2,205	-	2
Of Respiratory Organs	C30-C39	13,810	38.0	1,119	39	50	1,048	1,047	43	10,455	-	9
Lung	C33-C34	13,409	36.9	1,062	38	48	1,024	1,004	40	10,184	-	9
Of Breast	C50	4,238	11.7	548	19	15	322	391	11	2,932	-	-
Of Female Genital Organs	C51-C58	2,872	7.9	468	10	8	228	197	14	1,946	-	1
Of Male Genital Organs	C60-C63	3,048	8.4	375	6	8	157	315	9	2,175	-	3
Prostate	C61	2,974	8.2	348	6	7	155	311	9	2,135	-	3
Of Urinary Organs	C64-C68	2,554	7.0	318	8	11	111	162	6	1,933	-	5
Of Brain	C71	1,356	3.7	213	5	3	88	58	3	986	-	-
Of Lymphatic and Hematopoietic Tissues	C81-C96	5,485	15.1	837	26	11	423	372	10	3,802	1	3
Non-Hodgkin's Lymphoma	C82-C85	2,106	5.8	298	10	2	194	116	6	1,480	-	-
Leukemia	C91-C95	2,164	5.9	337	11	5	154	116	4	1,535	-	2
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	E00-E88	9,081	25.0	2,077	40	61	725	950	46	5,174	1	7
Diabetes	E10-E14	7,119	19.6	1,817	29	49	627	788	39	3,764	1	5
MENTAL AND BEHAVIORAL DISORDERS	F01-F99	4,510	12.4	571	16	22	171	333	5	3,388	-	4
Organic Dementia	F01, F03	2,731	7.5	217	6	4	136	156	1	2,210	-	1
DISEASES OF NERVOUS SYSTEM	G00-G98	11,077	30.5	968	22	28	456	595	8	8,994	-	6
Parkinson's Disease	G20-G21	1,830	5.0	142	4	7	110	57	1	1,508	-	1
Alzheimer's Disease	G30	6,962	19.1	482	11	12	229	353	2	5,868	-	5
DISEASES OF THE CIRCULATORY SYSTEM	I00-I99	88,709	243.9	10,469	285	300	6,036	6,982	239	64,324	5	69
Diseases of the Heart	I00-I09, I11, I13, I20-I51	65,002	178.7	7,583	208	225	3,944	5,049	173	47,767	3	50
Hypertensive Heart	I11, I13	4,407	12.1	481	14	18	293	606	18	2,973	1	3
Ischemic Heart	I20-I25	48,249	132.6	5,703	151	158	3,057	3,522	119	35,499	-	40
Acute Myocardial Infarction	I21-I22	14,291	39.3	1,737	50	55	982	1,067	37	10,349	-	14
Atherosclerotic Cardiovascular Disease	I25.0	7,864	21.6	1,079	19	23	447	840	19	5,426	-	11

TABLE 5-14. MAJOR CAUSES OF DEATH BY RACE/ETHNIC GROUP<sup>1</sup> AND RATES FOR ALL RACES COMBINED, CALIFORNIA, 2004 (By Place of Residence)  
(Rates are per 100,000 population in specified groups.)—Cont. 2 of 2

CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS		RACE/ETHNICITY						
		DEATHS	RATE	HISPANIC	NON-HISPANIC				OTHER	UNKNOWN
					2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	
Other Heart Diseases	I26-I51	11,960	32.9	1,339	43	48	567	894	36	9,024
Cardiomyopathy	I42	2,889	7.9	378	18	13	149	361	13	1,956
Heart Failure	I50	4,039	11.1	402	10	13	173	236	7	3,194
Hypertension	I10,I12	2,860	7.9	358	10	11	251	350	11	1,868
Cerebrovascular Disease	I60-I69	16,884	46.4	2,139	49	53	1,571	1,303	47	11,705
Atherosclerosis	I70	1,358	3.7	116	6	3	62	57	2	1,109
Aortic Aneurysm	I71	1,252	3.4	107	9	3	130	76	6	921
DISEASES OF RESPIRATORY SYSTEM										
Influenza and Pneumonia	J00-J98	22,964	63.1	2,234	93	76	1,433	1,274	32	17,793
Chronic Lower Respiratory Disease	J10-J18	7,331	20.2	968	25	16	627	475	11	5,192
Emphysema	J40-J47	12,519	34.4	820	51	53	585	666	15	10,317
DISEASES OF DIGESTIVE SYSTEM	J43	1,394	3.8	68	5	8	47	72	1	1,193
Chronic Liver Disease, Cirrhosis	K00-K92	8,983	24.7	1,971	29	91	473	561	25	5,817
DISEASES OF GENITOURINARY SYSTEM	K70, K73-K74	3,686	10.1	1,128	17	52	133	190	8	2,148
Nephritis, Nephrotic Syndrome	N00-N98	4,381	12.0	739	15	13	327	395	15	2,871
CERTAIN PERINATAL CONDITIONS	N00-N07, N17-N19	2,371	6.5	507	9	8	201	263	12	1,370
CONGENITAL MALFORMATIONS	N25-N27	1,420	3.9	718	48	3	83	196	10	354
SYMPTOMS, SIGNS AND ABNORMAL FINDINGS	P00-P96	1,291	3.6	553	22	4	88	99	8	517
Sudden Infant Death Syndrome	Q00-Q99									
ACCIDENTS	R00-R99	954	2.6	238	19	3	50	131	2	489
Motor Vehicle Accidents	R95	171	0.5	65	7	-	10	24	1	64
Accidental Falls	V01-X59, Y85-Y86	10,614	29.2	2,622	80	72	652	791	30	6,348
Drowning and Submersion	See Footnote	4,412	12.1	1,472	39	25	351	315	14	2,192
Accidental Poisonings	W00-W19	1,641	4.5	227	3	5	130	68	4	1,201
	W65-W74	381	1.0	111	3	2	45	24	1	192
	X40-X49	2,525	6.9	478	24	31	42	256	5	1,684
INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	3,364	9.3	543	33	17	274	132	8	2,355
Discharge of Firearms	X72-X74	1,363	3.8	183	10	6	61	39	5	1,058
ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	2,489	6.8	1,089	14	19	122	764	13	464
Firearms	U01.4, X93-X95	1,808	5.0	839	8	8	73	627	12	240
ALL OTHER CAUSES	RESIDUAL	4,125	11.3	661	27	21	283	400	8	2,718

- Represents zero events

# Causes of death marked with this sign are rankable as leading causes of death. See NCHS' Instruction Manual Part 9: ICD-10 Cause of Death Lists for Tabulating Mortality Statistics at [http://www.cdc.gov/nchs/data/dvs/im9\\_2002.pdf](http://www.cdc.gov/nchs/data/dvs/im9_2002.pdf)

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Note: The ICD-10 Codes for Motor Vehicle Accidents are: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.

TABLE 5-14A. MAJOR CAUSES OF **MALE DEATHS** BY RACE/ETHNIC GROUP<sup>1</sup> AND RATES FOR ALL RACES COMBINED, CALIFORNIA, 2004 (By Place of Residence)  
(Rates are per 100,000 population in specified groups.)

CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS		RACE AND ETHNICITY								
		DEATHS	RATE	HISPANIC	NON-HISPANIC					OTHER	UNKNOWN	
					2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER			WHITE
ALL CAUSES	A00-Y89	116,934	643.9	18,786	514	496	8,349	9,536	359	78,743	12	139
CERTAIN INFECTIOUS AND PARASITIC DISEASES	A00-B99	3,057	16.8	770	28	30	177	403	11	1,631	-	7
	B20-B24	1,183	6.5	320	17	10	23	246	3	560	-	4
	C00-C97	27,370	150.7	3,511	90	96	2,329	2,077	84	19,165	1	17
	C15-C26	7,509	41.3	1,162	26	35	917	562	28	4,774	1	4
	C15	876	4.8	90	4	2	57	53	-	670	-	-
	C16	861	4.7	233	1	4	150	77	5	391	-	-
	C18	2,072	11.4	250	6	7	198	176	6	1,426	1	2
	C22.0, C22.2-C22.9	1,102	6.1	236	2	10	268	86	9	490	-	1
	C25	1,622	8.9	217	9	7	128	111	5	1,144	-	1
	C30-C39	7,464	41.1	719	23	24	653	620	26	5,394	-	5
MALIGNANT NEOPLASMS	C33-C34	7,155	39.4	667	22	23	634	585	23	5,196	-	5
	C50	28	0.2	4	-	-	1	4	-	19	-	-
	C60-C63	3,048	16.8	375	6	8	157	315	9	2,175	-	3
	C61	2,974	16.4	348	6	7	155	311	9	2,135	-	3
	C64-C68	1,688	9.3	206	5	6	73	88	4	1,303	-	3
	C71	760	4.2	119	3	2	55	34	1	546	-	-
	C81-C96	3,079	17.0	486	13	6	226	194	5	2,147	-	2
	C82-C85	1,157	6.4	175	7	2	101	57	4	811	-	-
	C91-C95	1,249	6.9	195	5	3	90	67	1	887	-	1
	E00-E88	4,430	24.4	1,026	19	30	342	457	21	2,529	1	5
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	E10-E14	3,540	19.5	889	11	26	293	380	17	1,920	1	3
	F01-F99	2,104	11.6	366	9	10	80	185	5	1,448	-	1
	F01, F03	860	4.7	71	4	2	52	61	1	669	-	-
	G00-G98	4,433	24.4	446	5	16	218	224	2	3,520	-	2
	G20-G21	1,080	5.9	81	1	6	66	33	-	892	-	1
	G30	2,131	11.7	160	2	5	92	100	-	1,771	-	1
	I00-I99	42,373	233.3	5,492	137	139	3,084	3,309	128	30,040	3	41
	I100-I09, I11, I13, I20-I51	32,506	179.0	4,110	99	113	2,099	2,510	95	23,444	2	34
	I11, I13	2,077	11.4	248	8	10	141	323	10	1,334	1	2
	DISEASES OF THE CIRCULATORY SYSTEM	I20-I25	24,768	136.4	3,145	70	85	1,670	1,741	68	17,961	-
I21-I22		7,436	40.9	965	19	28	546	511	19	5,337	-	11
I25.0		4,320	23.8	699	11	12	269	466	10	2,845	-	8

TABLE 5-14A. MAJOR CAUSES OF MALE DEATHS BY RACE/ETHNIC GROUP<sup>1</sup> AND RATES FOR ALL RACES COMBINED, CALIFORNIA, 2004 (By Place of Residence)  
(Rates are per 100,000 population in specified groups.)—Cont. 2 of 2

CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS		RACE AND ETHNICITY								
		DEATHS	RATE	HISPANIC	NON-HISPANIC							
					2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER	
Other Heart Diseases Cardiomyopathy Heart Failure Hypertension Cerebrovascular Disease Atherosclerosis Aortic Aneurysm  DISEASES OF RESPIRATORY SYSTEM Influenza and Pneumonia Chronic Lower Respiratory Disease Emphysema  DISEASES OF DIGESTIVE SYSTEM Chronic Liver Disease, Cirrhosis  DISEASES OF GENITOURINARY SYSTEM Nephritis, Nephrotic Syndrome  CERTAIN PERINATAL CONDITIONS  CONGENITAL MALFORMATIONS  SYMPTOMS, SIGNS AND ABNORMAL FINDINGS Sudden Infant Death Syndrome  ACCIDENTS Motor Vehicle Accidents Accidental Falls Drowning and Submersion Accidental Poisonings  INTENTIONAL SELF-HARM (Suicide) Discharge of Firearms  ASSAULT (Homicide)  Firearms  ALL OTHER CAUSES	I26-I51 I42 I50 I10,I12 I60-I69 I70 I71  J00-J98 J10-J18 J40-J47 J43  K00-K92 K70, K73-K74  N00-N98 N00-N07, N17-N19 N25-N27 P00-P96 Q00-Q99  R00-R99 R95  V01-X59, Y85-Y86 See Footnote W00-W19 W65-W74 X40-X49  U03, X60-X84, Y87.0 X72-X74 U01-U02 X85-Y09, Y87.1 U01.4, X93-X95  RESIDUAL	5,544	30.5	699	21	18	280	434	17	4,070	1	4
		1,757	9.7	246	9	6	84	204	9	1,198	-	1
		1,632	9.0	163	5	4	68	104	2	1,285	-	1
		1,111	6.1	147	5	5	102	142	5	705	-	-
		6,835	37.6	1,033	24	17	740	521	25	4,470	1	4
		538	3.0	49	1	1	24	23	-	437	-	3
		799	4.4	70	6	2	87	48	3	583	-	-
		10,845	59.7	1,079	55	37	794	643	22	8,199	2	14
		3,357	18.5	442	14	8	301	216	6	2,362	-	8
		5,871	32.3	423	31	25	377	350	10	4,647	2	6
699	3.8	41	3	7	35	39	1	573	-	-		
4,865	26.8	1,250	21	51	261	303	19	2,946	2	12		
2,477	13.6	810	14	35	89	121	6	1,394	1	7		
1,857	10.2	322	5	6	167	178	9	1,168	-	2		
1,135	6.2	230	1	3	110	125	9	657	-	-		
823	4.5	432	30	1	49	110	6	194	-	1		
673	3.7	280	12	4	43	50	5	279	-	-		
548	3.0	154	8	1	28	80	2	259	-	16		
108	0.6	42	4	-	6	17	1	38	-	-		
7,043	38.8	1,962	50	45	393	537	22	4,018	2	14		
3,033	16.7	1,095	26	13	196	227	12	1,462	-	2		
947	5.2	145	3	2	78	48	1	668	-	2		
282	1.6	85	1	2	33	18	1	139	1	2		
1,639	9.0	376	13	20	31	157	3	1,034	-	5		
2,543	14.0	443	22	10	182	99	8	1,777	-	2		
1,185	6.5	165	5	4	52	31	5	922	-	1		
2,106	11.6	967	11	14	88	686	13	325	-	2		
1,634	9.0	777	7	5	61	589	12	182	-	1		
1,864	10.3	286	12	6	114	195	2	1,246	1	3		

- Represents zero events

# Causes of death marked with this sign are rankable as leading causes of death. See NCHS' Instruction Manual Part 9: ICD-10 Cause of Death Lists for Tabulating Mortality Statistics at [http://www.cdc.gov/nchs/data/dvs/im9\\_2002.pdf](http://www.cdc.gov/nchs/data/dvs/im9_2002.pdf)

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Note: The ICD-10 Codes for Motor Vehicle Accidents are: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0-V89.2.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.



TABLE 5-14B. MAJOR CAUSES OF **FEMALE DEATHS** BY RACE/ETHNIC GROUP<sup>1</sup> AND RATES FOR ALL RACES COMBINED, CALIFORNIA, 2004 (By Place of Residence)  
(Rates are per 100,000 population in specified groups.)

CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS		RACE/ETHNICITY								
		DEATHS	RATE	HISPANIC	NON-HISPANIC						OTHER	UNKNOWN
					2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE		
ALL CAUSES	A00-Y89	115,530	634.3	14,590	466	484	7,537	8,753	264	83,340	7	89
CERTAIN INFECTIOUS AND PARASITIC DISEASES	A00-B99	1,737	9.5	337	8	21	134	192	5	1,037	-	3
Human Immunodeficiency Virus Disease	B20-B24	194	1.1	49	2	5	6	65	1	66	-	-
MALIGNANT NEOPLASMS	C00-C97	26,338	144.6	3,305	111	103	2,073	2,014	74	18,644	1	13
Of Digestive Organs	C15-C26	6,099	33.5	937	32	32	681	542	14	3,857	-	4
Esophagus	C15	294	1.6	21	-	1	13	24	1	234	-	-
Stomach	C16	620	3.4	186	3	3	103	58	2	265	-	-
Colon	C18	2,179	12.0	230	13	15	204	217	6	1,493	-	1
Liver	C22.0, C22.2-C22.9	465	2.6	116	2	3	110	33	1	200	-	-
Pancreas	C25	1,613	8.9	244	8	3	149	145	2	1,061	-	1
Of Respiratory Organs	C30-C39	6,346	34.8	400	16	26	395	427	17	5,061	-	4
Lung	C33-C34	6,254	34.3	395	16	25	390	419	17	4,988	-	4
Of Breast	C50	4,210	23.1	544	19	15	321	387	11	2,913	-	-
Of Female Genital Organs	C51-C58	2,872	15.8	468	10	8	228	197	14	1,946	-	1
Of Urinary Organs	C64-C68	866	4.8	112	3	5	38	74	2	630	-	2
Of Brain	C71	596	3.3	94	2	1	33	24	2	440	-	-
Of Lymphatic and Hematopoietic Tissues	C81-C96	2,406	13.2	351	13	5	197	178	5	1,655	1	1
Non-Hodgkin's Lymphoma	C82-C85	949	5.2	123	3	-	93	59	2	669	-	-
Leukemia	C91-C95	915	5.0	142	6	2	64	49	3	648	-	1
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	E00-E88	4,651	25.5	1,051	21	31	383	493	25	2,645	-	2
Diabetes	E10-E14	3,579	19.6	928	18	23	334	408	22	1,844	-	2
MENTAL AND BEHAVIORAL DISORDERS	F01-F99	2,406	13.2	205	7	12	91	148	-	1,940	-	3
Organic Dementia	F01, F03	1,871	10.3	146	2	2	84	95	-	1,541	-	1
DISEASES OF NERVOUS SYSTEM	G00-G98	6,644	36.5	522	17	12	238	371	6	5,474	-	4
Parkinson's Disease	G20-G21	750	4.1	61	3	1	44	24	1	616	-	-
Alzheimer's Disease	G30	4,831	26.5	322	9	7	137	253	2	4,097	-	4
DISEASES OF THE CIRCULATORY SYSTEM	I00-I99	46,336	254.4	4,977	148	161	2,952	3,673	111	34,284	2	28
Diseases of the Heart	I00-I09, I11, I13, I20-I51	32,496	178.4	3,473	109	112	1,845	2,539	78	24,323	1	16
Hypertensive Heart	I11, I13	2,330	12.8	233	6	8	152	283	8	1,639	-	1
Ischemic Heart	I20-I25	23,481	128.9	2,558	81	73	1,387	1,781	51	17,538	-	12
Acute Myocardial Infarction	I21-I22	6,855	37.6	772	31	27	436	556	18	5,012	-	3
Atherosclerotic Cardiovascular Disease	I25.0	3,544	19.5	380	8	11	178	374	9	2,581	-	3

TABLE 5-14B. MAJOR CAUSES OF **FEMALE DEATHS** BY RACE/ETHNIC GROUP<sup>1</sup> AND RATES FOR ALL RACES COMBINED, CALIFORNIA, 2004 (By Place of Residence)  
(Rates are per 100,000 population in specified groups.)—Cont. 2 of 2

CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS		RACE/ETHNICITY								
		DEATHS	RATE	HISPANIC	2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	NON-HISPANIC			
									PACIFIC ISLANDER	WHITE	OTHER	
Other Heart Diseases Cardiomyopathy Heart Failure Hypertension Cerebrovascular Disease Atherosclerosis Aortic Aneurysm  DISEASES OF RESPIRATORY SYSTEM Influenza and Pneumonia Chronic Lower Respiratory Disease Emphysema  DISEASES OF DIGESTIVE SYSTEM Chronic Liver Disease, Cirrhosis  DISEASES OF GENITOURINARY SYSTEM Nephritis, Nephrotic Syndrome	I26-I51	6,416	35.2	640	22	30	287	460	19	4,954	1	3
	I42	1,132	6.2	132	9	7	65	157	4	758	-	-
	I50	2,348	12.9	229	4	9	102	130	5	1,866	-	3
	I10,I12	1,749	9.6	211	5	6	149	208	6	1,163	-	1
	I60-I69	10,049	55.2	1,106	25	36	831	782	22	7,235	1	11
	I70	820	4.5	67	5	2	38	34	2	672	-	-
	I71	453	2.5	37	3	1	43	28	3	338	-	-
	J00-J98	12,119	66.5	1,155	38	39	639	631	10	9,594	2	11
	J10-J18	3,974	21.8	526	11	8	326	259	5	2,830	1	8
	J40-J47 J43	6,648 695	36.5 3.8	397 27	20 2	28 1	208 12	316 33	5 -	5,670 620	1 -	3 -
K00-K92 K70, K73-K74	4,118 1,209	22.6 6.6	721 318	8 3	40 17	212 44	258 69	6 2	2,871 754	- -	2 2	
CERTAIN PERINATAL CONDITIONS CONGENITAL MALFORMATIONS SYMPTOMS, SIGNS AND ABNORMAL FINDINGS Sudden Infant Death Syndrome ACCIDENTS Motor Vehicle Accidents Accidental Falls Drowning and Submersion Accidental Poisonings INTENTIONAL SELF-HARM (Suicide) Discharge of Firearms ASSAULT (Homicide)	N00-N98 N00-N07, N17-N19 N25-N27 P00-P96 Q00-Q99	2,524 1,236	13.9 6.8	417 277	10 8	7 5	160 91	217 138	6 3	1,703 713	1 1	3 -
	R00-R99 R95 V01-X59, Y85-Y86 See Footnote W00-W19 W65-W74 X40-X49	597 618	3.3 3.4	286 273	18 10	2 -	34 45	86 49	4 3	160 238	- -	7 -
	R00-R99 R95 V01-X59, Y85-Y86 See Footnote W00-W19 W65-W74 X40-X49	406 63 3,571	2.2 0.3 19.6	84 23 660	11 3 30	2 - 27	22 4 259	51 7 254	- - 8	230 26 2,330	- - -	6 - 3
	X72-X74 U01-U02, X85-Y09, Y87.1 U01.4, X93-X95 RESIDUAL	1,379 694 99 886	7.6 3.8 0.5 4.9	377 82 26 102	13 - 2 11	12 3 - 11	155 52 12 11	88 20 6 99	2 3 - 2	730 533 53 650	- - - -	2 1 - -
	U03, X60-X84, Y87.0 X72-X74 U01-U02, X85-Y09, Y87.1 U01.4, X93-X95 RESIDUAL	821 178 383	4.5 1.0 2.1	100 18 122	11 5 3	7 2 5	92 9 34	33 8 78	- - -	578 136 139	- - -	- - 2
	Firearms ALL OTHER CAUSES	174 2,261	1.0 12.4	62 375	1 15	3 15	12 169	38 205	- 6	58 1,473	- 1	- 2

- Represents zero events

# Causes of death marked with this sign are rankable as leading causes of death. See NCHS' Instruction Manual Part 9: ICD-10 Cause of Death Lists for Tabulating Mortality Statistics at [http://www.cdc.gov/nchs/data/dvs/im9\\_2002.pdf](http://www.cdc.gov/nchs/data/dvs/im9_2002.pdf)

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Note: The ICD-10 Codes for Motor Vehicle Accidents are: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0-V89.2.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, Race and Ethnic Population with Age and Sex Detail, 2000-2050, Sacramento, CA, May 2004.



TABLE 5-15. NUMBER AND PERCENT OF DEATHS BY EDUCATION LEVEL COMPLETED AND SEX OF DECEDENT, CALIFORNIA 2004  
(By Place of Residence).

EDUCATION LEVEL COMPLETED	TOTAL		MALE		FEMALE	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	232,464	100.0	116,934	100.0	115,530	100.0
8TH GRADE OR LESS	36,252	16.1	16,858	15.0	19,394	17.2
9TH -12TH GRADE NO DIPLOMA	31,938	14.2	16,532	14.7	15,406	13.7
HIGH SCHOOL GRAD/GED COMPLETED	76,156	33.8	34,467	30.6	41,689	37.0
SOME COLLEGE, NO DEGREE	37,013	16.4	19,067	16.9	17,946	15.9
ASSOCIATE DEGREE	8,991	4.0	4,464	4.0	4,527	4.0
BACHELORS DEGREE	22,645	10.0	12,850	11.4	9,795	8.7
MASTERS DEGREE	7,993	3.5	4,916	4.4	3,077	2.7
DOCTORATE DEGREE	4,541	2.0	3,635	3.2	906	0.8
UNKNOWN	6,935		4,145		2,790	

Note: Unknown years of education were subtracted from totals prior to calculation of percentages.

Percents are rounded independently and may not add to totals.

Educational level categories are not strictly comparable to those used prior to 2003. See Chapter 6.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-16. DEATHS BY YEAR OF DEATH, CALIFORNIA COUNTIES, 1995-2004 (By Place of Residence)

COUNTY	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>CALIFORNIA</b>	<b>222,626</b>	<b>222,308</b>	<b>223,438</b>	<b>225,450</b>	<b>227,965</b>	<b>228,281</b>	<b>232,790</b>	<b>233,246</b>	<b>239,325</b>	<b>232,464</b>
ALAMEDA	9,924	9,670	9,574	9,801	9,863	9,841	9,727	9,564	9,759	9,269
ALPINE	1	8	9	8	7	6	4	7	13	9
AMADOR	358	362	358	333	359	374	397	371	397	359
BUTTE	2,128	2,109	2,192	2,133	2,124	2,134	2,240	2,253	2,200	2,178
CALAVERAS	379	358	384	382	418	382	370	419	405	420
COLUSA	150	156	132	146	148	144	143	137	144	141
CONTRA COSTA	6,320	6,366	6,350	6,659	6,569	6,648	6,858	7,025	6,894	6,787
DEL NORTE	238	220	267	272	224	269	264	259	273	261
EL DORADO	1,026	1,024	1,053	1,078	1,149	1,101	1,161	1,191	1,213	1,235
FRESNO	5,241	5,256	5,119	5,422	5,460	5,360	5,582	5,785	5,876	5,811
GLENN	253	239	205	220	241	258	224	229	237	246
HUMBOLDT	1,087	1,101	1,139	1,177	1,159	1,202	1,294	1,214	1,249	1,253
IMPERIAL	798	805	875	853	856	840	826	916	941	869
INYO	203	257	213	208	198	189	212	219	236	219
KERN	4,453	4,421	4,412	4,627	4,656	4,617	4,868	5,104	5,492	5,251
KINGS	687	702	705	746	700	710	703	729	847	760
LAKE	804	730	757	800	611	825	814	708	877	780
LASSEN	167	185	195	213	199	188	204	222	172	227
LOS ANGELES	60,953	59,686	60,070	58,923	59,614	59,032	59,774	59,586	61,072	59,159
MADERA	816	806	745	815	868	881	937	877	960	914
MARIN	1,855	1,822	1,875	1,854	1,794	1,833	1,879	1,840	1,833	1,722
MARIPOSA	177	158	162	176	183	152	151	173	176	156
MENDOCINO	762	840	796	809	769	816	855	819	856	853
MERCED	1,238	1,292	1,345	1,355	1,383	1,318	1,395	1,442	1,573	1,383
MODOC	97	113	117	120	101	92	101	97	122	102
MONO	25	42	51	38	32	48	48	51	51	45
MONTEREY	2,278	2,361	2,159	2,290	2,374	2,344	2,470	2,383	2,409	2,371
NAPA	1,238	1,254	1,301	1,279	1,218	1,295	1,272	1,262	1,299	1,264
NEVADA	780	773	823	855	869	858	932	961	990	916
ORANGE	15,250	15,771	16,093	16,133	16,644	16,520	16,729	16,789	17,327	16,748
PLACER	1,491	1,635	1,639	1,652	1,778	1,919	1,982	2,117	2,269	2,284
PLUMAS	191	228	204	208	220	205	204	201	234	224
RIVERSIDE	11,002	11,050	11,236	11,766	12,019	12,061	12,739	12,830	13,497	13,638
SACRAMENTO	8,467	8,492	8,628	8,780	9,004	8,991	9,373	9,578	9,744	9,634
SAN BENITO	241	248	253	273	269	284	272	252	271	251
SAN BERNARDINO	10,448	10,297	10,613	10,638	10,909	11,121	11,384	11,602	12,215	11,912
SAN DIEGO	18,131	18,391	18,626	18,767	19,168	19,621	19,871	19,356	19,864	19,701
SAN FRANCISCO	7,840	7,446	6,789	6,649	6,645	6,468	6,489	6,281	6,142	5,903
SAN JOAQUIN	3,914	4,024	4,045	4,178	4,348	4,209	4,465	4,588	4,641	4,433
SAN LUIS OBISPO	1,896	1,898	1,913	1,992	2,024	1,976	2,015	2,037	2,078	1,995
SAN MATEO	5,011	4,918	4,874	4,988	4,926	4,706	4,768	4,674	4,768	4,573
SANTA BARBARA	2,828	2,785	2,754	2,872	2,951	2,917	2,907	2,927	2,873	2,899
SANTA CLARA	8,578	8,850	8,802	8,977	9,033	8,802	8,765	8,642	8,638	8,470
SANTA CRUZ	1,725	1,703	1,640	1,670	1,632	1,689	1,696	1,614	1,766	1,579
SHASTA	1,540	1,634	1,657	1,713	1,686	1,644	1,778	1,924	1,790	1,887
SIERRA	28	23	37	35	39	29	40	40	44	37
SISKIYOU	518	531	488	451	465	480	517	492	537	500
SOLANO	2,330	2,394	2,290	2,373	2,358	2,564	2,493	2,633	2,755	2,589
SONOMA	3,456	3,634	3,767	3,690	3,735	3,835	3,872	3,864	3,949	3,620
STANISLAUS	3,171	3,158	3,254	3,386	3,354	3,401	3,577	3,727	3,741	3,473
SUTTER	618	597	622	620	644	710	676	709	734	687
TEHAMA	626	578	547	584	618	617	633	598	634	593
TRINITY	130	153	156	157	137	140	142	143	137	157
TULARE	2,640	2,529	2,633	2,555	2,545	2,639	2,690	2,699	2,707	2,638
TUOLUMNE	497	517	492	583	528	585	598	609	631	607
VENTURA	4,100	4,240	4,503	4,596	4,556	4,778	4,729	4,818	5,015	4,849
YOLO	1,010	1,051	1,005	1,043	1,033	1,063	1,183	1,130	1,190	1,105
YUBA	513	417	495	529	551	550	498	529	568	518

Source: State of California, Department of Health Services, Death Records.

TABLE 5-17. DEATHS BY AGE, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence)

COUNTY	TOTAL	AGE GROUPS										
		Under 5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Unknown
<b>CALIFORNIA</b>	<b>232,464</b>	<b>3,335</b>	<b>755</b>	<b>3,666</b>	<b>4,375</b>	<b>8,879</b>	<b>18,404</b>	<b>25,451</b>	<b>36,907</b>	<b>65,715</b>	<b>64,920</b>	<b>57</b>
ALAMEDA	9,269	127	26	125	201	343	825	1,063	1,452	2,518	2,586	3
Berkeley <sup>1</sup>	572	3	-	9	11	24	51	54	65	151	204	-
ALPINE	9	1	-	-	-	1	2	1	1	2	1	-
AMADOR	359	3	1	4	2	14	26	33	59	115	101	1
BUTTE	2,178	14	4	30	28	64	163	224	330	664	657	-
CALAVERAS	420	2	-	8	4	18	34	38	77	116	123	-
COLUSA	141	2	-	3	-	2	7	15	34	46	32	-
CONTRA COSTA	6,787	61	14	105	121	248	519	709	1,008	1,945	2,057	-
DEL NORTE	261	-	-	8	5	9	27	29	44	71	68	-
EL DORADO	1,235	12	5	12	18	31	126	171	193	346	321	-
FRESNO	5,811	152	25	124	124	240	486	624	910	1,558	1,567	1
GLENN	246	-	3	3	4	9	18	20	44	77	68	-
HUMBOLDT	1,253	7	4	11	25	53	118	140	209	354	332	-
IMPERIAL	869	18	2	17	24	39	77	109	160	249	165	9
INYO	219	2	1	3	2	4	15	22	36	71	63	-
KERN	5,251	110	22	96	112	237	494	645	948	1,438	1,148	1
KINGS	760	20	1	24	14	27	74	102	145	195	158	-
LAKE	780	5	3	6	5	35	73	112	147	229	165	-
LASSEN	227	1	3	4	5	12	25	27	44	60	46	-
LOS ANGELES	59,159	897	226	1,062	1,240	2,415	4,791	6,644	9,403	16,246	16,227	8
Long Beach <sup>1</sup>	3,069	42	9	49	61	121	285	387	445	869	801	-
Pasadena <sup>1</sup>	1,129	15	-	13	21	27	74	106	142	326	405	-
MADERA	914	10	5	21	19	43	67	108	172	246	223	-
MARIN	1,722	5	5	10	18	51	109	189	255	492	588	-
MARIPOSA	156	1	1	2	3	5	14	23	25	43	39	-
MENDOCINO	853	10	1	13	6	30	72	114	162	230	214	1
MERCED	1,383	23	7	26	42	58	129	185	230	354	329	-
MODOC	102	1	-	1	3	1	3	11	24	32	26	-
MONO	45	1	-	1	1	4	2	11	8	10	7	-
MONTEREY	2,371	42	11	60	68	69	186	246	351	662	676	-
NAPA	1,264	5	3	20	17	33	65	101	169	374	477	-
NEVADA	916	6	1	8	16	20	60	96	120	271	318	-
ORANGE	16,748	218	56	200	272	601	1,022	1,641	2,592	4,915	5,229	2
PLACER	2,284	23	5	30	21	66	141	232	359	733	674	-
PLUMAS	224	-	1	3	2	4	15	27	41	82	49	-
RIVERSIDE	13,638	188	44	196	256	514	1,011	1,452	2,326	4,167	3,479	5
SACRAMENTO	9,634	143	25	157	181	430	821	1,139	1,566	2,707	2,464	1
SAN BENITO	251	4	2	6	4	13	23	28	40	65	66	-
SAN BERNARDINO	11,912	264	60	263	308	556	1,141	1,442	2,071	3,277	2,530	-
SAN DIEGO	19,701	290	43	281	323	671	1,473	1,873	2,957	5,869	5,901	20
SAN FRANCISCO	5,903	35	9	55	126	262	496	649	806	1,596	1,868	1
SAN JOAQUIN	4,433	81	12	83	84	197	352	574	729	1,181	1,140	-
SAN LUIS OBISPO	1,995	21	5	28	19	50	120	168	290	614	680	-
SAN MATEO	4,573	42	9	43	48	124	306	450	681	1,327	1,543	-
SANTA BARBARA	2,899	31	4	33	43	87	186	242	416	870	987	-
SANTA CLARA	8,470	139	27	90	141	281	657	923	1,315	2,365	2,530	2
SANTA CRUZ	1,579	21	3	22	33	50	140	163	213	419	515	-
SHASTA	1,887	11	4	21	21	68	153	237	321	537	514	-
SIERRA	37	-	-	-	1	2	6	2	8	9	9	-
SISKIYOU	500	3	2	5	4	19	41	67	86	156	117	-
SOLANO	2,589	23	13	34	51	100	250	314	443	741	620	-
SONOMA	3,620	21	7	45	42	95	263	367	476	1,042	1,260	2
STANISLAUS	3,473	61	16	67	72	155	299	394	618	909	882	-
SUTTER	687	7	1	16	14	21	37	85	126	198	182	-
TEHAMA	593	8	1	10	8	15	41	76	94	173	167	-
TRINITY	157	1	-	2	-	7	14	23	27	50	33	-
TULARE	2,638	45	12	63	62	123	266	304	430	682	651	-
TUOLUMNE	607	-	2	5	7	21	54	69	100	187	162	-
VENTURA	4,849	99	15	80	77	161	332	480	750	1,384	1,471	-
YOLO	1,105	9	2	9	19	49	90	139	173	297	318	-
YUBA	518	9	1	12	9	22	47	79	93	149	97	-

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-18. DEATHS BY SEX AND RACE/ETHNIC GROUP<sup>1</sup>, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004  
(By Place of Residence).

COUNTY	TOTAL	SEX		RACE/ETHNIC GROUP								
		MALE	FEMALE	HISPANIC	NON-HISPANIC							
					2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE	OTHER	UNKNOWN
<b>CALIFORNIA</b>	<b>232,464</b>	<b>116,934</b>	<b>115,530</b>	<b>33,376</b>	<b>980</b>	<b>980</b>	<b>15,886</b>	<b>18,289</b>	<b>623</b>	<b>162,083</b>	<b>19</b>	<b>228</b>
ALAMEDA	9,269	4,536	4,733	867	53	28	1,067	1,952	51	5,241	-	10
Berkeley <sup>2</sup>	572	277	295	24	7	3	48	187	-	303	-	-
ALPINE	9	5	4	-	-	2	-	-	-	7	-	-
AMADOR	359	168	191	7	-	2	-	-	1	348	-	1
BUTTE	2,178	1,073	1,105	61	10	15	23	26	-	2,042	-	1
CALAVERAS	420	221	199	13	2	2	8	1	1	392	-	1
COLUSA	141	84	57	14	-	3	4	-	-	120	-	-
CONTRA COSTA	6,787	3,209	3,578	496	35	8	424	768	18	5,029	-	9
DEL NORTE	261	137	124	10	4	18	4	1	-	224	-	-
EL DORADO	1,235	630	605	28	9	4	9	5	1	1,179	-	-
FRESNO	5,811	2,967	2,844	1,260	13	28	334	354	4	3,816	1	1
GLENN	246	115	131	20	-	1	4	3	-	218	-	-
HUMBOLDT	1,253	635	618	22	9	40	5	7	-	1,168	-	2
IMPERIAL	869	518	351	445	4	14	6	32	-	365	1	2
INYO	219	116	103	6	-	17	2	1	-	193	-	-
KERN	5,251	2,713	2,538	899	19	29	129	293	6	3,876	-	-
KINGS	760	426	334	193	1	6	19	42	-	499	-	-
LAKE	780	427	353	30	4	16	6	21	-	702	-	1
LASSEN	227	120	107	3	-	4	-	-	-	220	-	-
LOS ANGELES	59,159	29,842	29,317	12,633	179	140	5,423	8,327	140	32,238	2	77
Long Beach <sup>2</sup>	3,069	1,544	1,525	319	18	15	251	442	24	1,992	8	-
Pasadena <sup>2</sup>	1,129	547	582	132	2	1	75	181	1	735	2	-
MADERA	914	491	423	167	2	14	6	36	1	688	-	-
MARIN	1,722	820	902	56	3	1	43	41	1	1,575	-	2
MARIPOSA	156	90	66	6	1	3	-	1	-	145	-	-
MENDOCINO	853	455	398	32	2	37	2	4	-	774	-	2
MERCED	1,383	734	649	309	4	3	49	69	1	948	-	-
MODOC	102	56	46	3	-	-	-	-	-	98	-	1
MONO	45	30	15	4	-	3	-	-	-	38	-	-
MONTEREY	2,371	1,211	1,160	479	15	8	115	95	10	1,646	1	2
NAPA	1,264	652	612	65	10	5	29	12	1	1,141	-	1
NEVADA	916	459	457	27	1	2	5	1	-	880	-	-
ORANGE	16,748	8,061	8,687	1,908	48	35	1,334	190	50	13,158	3	22
PLACER	2,284	1,117	1,167	108	18	3	42	15	-	2,098	-	-
PLUMAS	224	128	96	3	-	7	-	2	-	212	-	-
RIVERSIDE	13,638	7,123	6,515	1,994	49	65	289	689	18	10,518	1	15
SACRAMENTO	9,634	4,803	4,831	680	74	49	703	904	38	7,181	1	4
SAN BENITO	251	135	116	75	1	1	9	1	-	164	-	-
SAN BERNARDINO	11,912	6,189	5,723	2,436	36	56	321	1,071	29	7,956	2	5
SAN DIEGO	19,701	9,898	9,803	2,281	134	86	938	910	80	15,224	3	45
SAN FRANCISCO	5,903	3,117	2,786	478	35	17	1,505	846	22	2,991	2	7
SAN JOAQUIN	4,433	2,201	2,232	569	27	31	367	331	15	3,092	-	1
SAN LUIS OBISPO	1,995	1,007	988	102	3	4	31	17	1	1,836	-	1
SAN MATEO	4,573	2,235	2,338	409	18	5	519	241	49	3,327	-	5
SANTA BARBARA	2,899	1,440	1,459	369	10	11	72	47	-	2,389	-	1
SANTA CLARA	8,470	4,181	4,289	1,130	27	23	1,242	223	29	5,793	-	3
SANTA CRUZ	1,579	746	833	176	7	7	44	15	-	1,328	1	1
SHASTA	1,887	936	951	33	16	20	25	10	2	1,781	-	-
SIERRA	37	21	16	2	-	-	-	-	-	35	-	-
SISKIYOU	500	287	213	10	-	16	4	10	-	459	-	1
SOLANO	2,589	1,338	1,251	182	24	12	247	373	16	1,735	-	-
SONOMA	3,620	1,722	1,898	162	19	16	61	32	4	3,326	-	-
STANISLAUS	3,473	1,678	1,795	452	18	18	87	87	14	2,795	1	1
SUTTER	687	363	324	49	10	1	45	10	3	569	-	-
TEHAMA	593	291	302	30	1	1	1	3	-	557	-	-
TRINITY	157	89	68	2	1	7	-	-	-	147	-	-
TULARE	2,638	1,352	1,286	626	3	16	62	48	3	1,878	-	2
TUOLUMNE	607	319	288	16	2	4	2	2	-	581	-	-
VENTURA	4,849	2,380	2,469	774	8	6	164	84	7	3,805	-	1
YOLO	1,105	555	550	136	6	7	37	20	5	894	-	-
YUBA	518	282	236	29	5	3	19	16	2	444	-	-

- Represents zero events.

<sup>1</sup> The race and ethnic groups in this table utilize nine mutually exclusive race and ethnicity categories. These categories are Hispanic and the following Non-Hispanic categories of Two or More Races, American Indian (includes Eskimo and Aleut), Asian, Black, Pacific Islander (includes Hawaiian), White, Other Race, and Unknown (includes refused to state). These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

<sup>2</sup> City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-19. DEATHS BY RACE<sup>1</sup>, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence)

COUNTY	TOTAL DEATHS	2 OR MORE RACE GROUPS	AMERICAN INDIAN	BLACK	CAMBODIAN	CHINESE	ESKIMO/ ALEUT	FILIPINO	GUAMANIAN	HAWAIIAN	HMONG
<b>CALIFORNIA</b>	<b>232,464</b>	<b>1,210</b>	<b>1,087</b>	<b>18,413</b>	<b>251</b>	<b>4,699</b>	<b>6</b>	<b>4,384</b>	<b>96</b>	<b>109</b>	<b>227</b>
ALAMEDA	9,269	63	34	1,957	12	454	-	282	7	7	-
Berkeley <sup>2</sup>	572	7	4	187	1	16	-	1	-	-	-
ALPINE	9	-	2	-	-	-	-	-	-	-	-
AMADOR	359	-	2	-	-	1	-	-	-	-	-
BUTTE	2,178	11	17	26	-	4	-	5	-	-	4
CALAVERAS	420	2	3	1	-	1	-	2	-	-	-
COLUSA	141	-	3	-	-	-	-	-	-	-	-
CONTRA COSTA	6,787	48	7	774	2	109	1	175	3	2	1
DEL NORTE	261	4	19	1	-	-	-	1	-	-	-
EL DORADO	1,235	11	4	5	-	4	-	1	-	1	-
FRESNO	5,811	21	28	361	13	30	-	24	-	1	96
GLENN	246	-	1	3	-	-	-	1	-	-	1
HUMBOLDT	1,253	9	40	7	-	-	-	-	-	-	-
IMPERIAL	869	5	14	32	-	2	-	3	-	-	-
INYO	219	2	17	1	-	-	-	-	-	-	-
KERN	5,251	23	39	294	5	10	-	73	2	-	-
KINGS	760	1	7	43	-	1	-	6	-	-	1
LAKE	780	4	16	21	-	1	-	2	-	-	-
LASSEN	227	-	4	-	-	-	-	-	-	-	-
LOS ANGELES	59,159	217	157	8,382	88	1,705	2	1,347	10	32	6
Long Beach <sup>2</sup>	3,069	20	15	443	50	25	-	103	3	1	4
Pasadena <sup>2</sup>	1,129	6	1	181	1	27	-	15	-	1	-
MADERA	914	2	14	36	-	-	-	-	-	1	2
MARIN	1,722	4	1	41	-	11	-	7	1	1	-
MARIPOSA	156	1	3	1	-	-	-	-	-	-	-
MENDOCINO	853	3	39	4	-	-	-	-	-	-	-
MERCED	1,383	6	3	71	-	1	-	4	1	-	2
MODOC	102	-	-	-	-	-	-	-	-	-	-
MONO	45	-	3	-	-	-	-	-	-	-	-
MONTEREY	2,371	19	9	95	-	14	-	57	4	3	-
NAPA	1,264	11	6	12	-	5	-	22	1	-	-
NEVADA	916	2	2	1	-	1	-	1	-	-	-
ORANGE	16,748	56	38	195	13	221	-	187	6	13	4
PLACER	2,284	20	4	16	2	7	-	6	-	-	-
PLUMAS	224	-	7	2	-	-	-	-	-	-	-
RIVERSIDE	13,638	60	73	697	5	38	-	100	6	5	4
SACRAMENTO	9,634	84	52	906	5	184	-	133	5	4	66
SAN BENITO	251	1	1	1	-	1	-	5	-	-	-
SAN BERNARDINO	11,912	51	66	1,079	13	40	1	127	3	2	-
SAN DIEGO	19,701	160	97	913	18	117	-	529	28	11	3
SAN FRANCISCO	5,903	46	15	853	2	1,077	2	252	1	3	-
SAN JOAQUIN	4,433	32	33	333	36	50	-	137	2	2	19
SAN LUIS OBISPO	1,995	4	5	17	-	3	-	14	-	1	-
SAN MATEO	4,573	25	9	244	-	165	-	272	-	2	-
SANTA BARBARA	2,899	16	13	47	1	11	-	28	-	-	2
SANTA CLARA	8,470	38	28	227	14	351	-	263	3	6	-
SANTA CRUZ	1,579	10	8	16	-	6	-	11	-	-	-
SHASTA	1,887	17	21	10	-	4	-	2	-	1	-
SIERRA	37	-	-	-	-	-	-	-	-	-	-
SISKIYOU	500	-	17	10	-	-	-	-	-	-	-
SOLANO	2,589	28	12	374	-	18	-	179	8	1	1
SONOMA	3,620	24	19	32	1	15	-	6	-	-	-
STANISLAUS	3,473	22	20	88	19	5	-	16	1	4	-
SUTTER	687	10	2	10	-	1	-	2	-	-	1
TEHAMA	593	1	1	3	-	-	-	-	-	-	-
TRINITY	157	1	7	-	-	-	-	-	-	-	-
TULARE	2,638	4	21	49	-	4	-	23	-	2	3
TUOLUMNE	607	3	4	2	-	-	-	2	-	-	-
VENTURA	4,849	14	8	84	-	20	-	66	1	3	-
YOLO	1,105	9	9	20	2	6	-	7	2	1	1
YUBA	518	5	3	16	-	1	-	4	1	-	10

TABLE 5-19. DEATHS BY RACE<sup>1</sup>, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004 (By Place of Residence)--Cont. 2 of 2

COUNTY	INDIAN (INDIA)	JAPANESE	KOREAN	LAOTIAN	SAMOAN	THAI	VIETNAMESE	WHITE	OTHER ASIAN	OTHER PAC. ISLND	OTHER RACES	UNKNOWN
<b>CALIFORNIA</b>	<b>780</b>	<b>2,271</b>	<b>1,340</b>	<b>268</b>	<b>195</b>	<b>84</b>	<b>1,297</b>	<b>194,679</b>	<b>363</b>	<b>230</b>	<b>236</b>	<b>239</b>
ALAMEDA	89	98	41	8	8	1	55	6,069	31	29	13	11
Berkeley <sup>2</sup>	2	22	1	1	-	-	2	326	2	-	-	-
ALPINE	-	-	-	-	-	-	-	7	-	-	-	-
AMADOR	-	-	-	-	-	-	-	354	-	1	-	1
BUTTE	1	7	-	-	-	-	-	2,100	2	-	-	1
CALAVERAS	1	3	1	-	-	-	-	404	-	1	-	1
COLUSA	3	1	-	-	-	-	-	134	-	-	-	-
CONTRA COSTA	27	71	11	6	4	2	13	5,482	12	9	19	9
DEL NORTE	-	-	-	2	-	1	-	233	-	-	-	-
EL DORADO	1	3	-	-	-	-	-	1,205	-	-	-	-
FRESNO	25	79	6	42	1	-	11	5,060	8	2	2	1
GLENN	-	-	-	2	-	-	-	237	-	-	1	-
HUMBOLDT	1	-	1	1	-	-	-	1,189	2	-	1	2
IMPERIAL	-	-	1	-	-	-	-	809	-	-	1	2
INYO	1	1	-	-	-	-	-	197	-	-	-	-
KERN	17	11	7	-	2	-	2	4,752	7	2	5	-
KINGS	-	8	1	1	-	-	-	690	1	-	-	-
LAKE	-	3	-	-	-	-	-	732	-	-	-	1
LASSEN	-	-	-	-	-	-	-	223	-	-	-	-
LOS ANGELES	158	969	818	20	63	43	180	44,698	108	36	37	83
Long Beach <sup>2</sup>	2	29	12	8	15	3	11	2,303	6	5	3	8
Pasadena <sup>2</sup>	-	21	6	-	-	-	3	862	3	-	-	2
MADERA	-	2	1	-	-	-	-	855	1	-	-	-
MARIN	4	15	3	-	-	-	2	1,628	1	-	1	2
MARIPOSA	-	-	-	-	-	-	-	151	-	-	-	-
MENDOCINO	1	1	-	-	-	-	-	803	-	-	-	2
MERCED	9	10	-	19	-	3	-	1,253	1	-	-	-
MODOC	-	-	-	-	-	-	-	101	-	-	-	1
MONO	-	-	-	-	-	-	-	42	-	-	-	-
MONTEREY	4	29	7	-	1	1	4	2,117	-	2	3	2
NAPA	-	-	2	-	-	-	1	1,203	-	-	-	1
NEVADA	-	2	-	-	-	1	-	906	-	-	-	-
ORANGE	57	161	203	17	16	4	433	15,039	38	15	10	22
PLACER	5	18	-	-	-	-	2	2,202	2	-	-	-
PLUMAS	-	-	-	-	-	-	-	215	-	-	-	-
RIVERSIDE	18	40	23	18	5	1	29	12,473	15	3	10	15
SACRAMENTO	54	119	15	39	4	1	67	7,835	25	25	7	4
SAN BENITO	1	2	-	-	-	-	-	239	-	-	-	-
SAN BERNARDINO	21	39	32	3	12	7	22	10,348	19	12	9	6
SAN DIEGO	18	92	28	28	27	2	102	17,455	7	15	5	46
SAN FRANCISCO	13	82	38	1	15	4	23	3,378	18	3	70	7
SAN JOAQUIN	21	42	9	23	6	1	18	3,647	13	5	3	1
SAN LUIS OBISPO	1	11	1	-	-	1	1	1,935	-	-	-	1
SAN MATEO	16	41	10	-	14	3	7	3,698	10	33	19	5
SANTA BARBARA	4	15	4	1	-	-	6	2,747	1	-	2	1
SANTA CLARA	94	160	51	3	11	2	294	6,892	14	10	6	3
SANTA CRUZ	5	19	2	-	-	1	-	1,499	-	-	1	1
SHASTA	4	2	-	6	-	1	-	1,812	6	1	-	-
SIERRA	-	-	-	-	-	-	-	37	-	-	-	-
SISKIYOU	1	2	1	-	-	-	-	468	-	-	-	1
SOLANO	10	19	10	2	2	1	5	1,908	4	5	2	-
SONOMA	5	21	1	3	2	-	6	3,475	3	2	5	-
STANISLAUS	27	10	1	9	1	-	1	3,233	1	10	4	1
SUTTER	34	3	-	1	-	-	-	617	3	3	-	-
TEHAMA	-	1	-	-	-	-	-	587	-	-	-	-
TRINITY	-	-	-	-	-	-	-	149	-	-	-	-
TULARE	6	9	-	10	-	-	1	2,497	6	1	-	2
TUOLUMNE	-	-	-	-	-	-	-	595	-	-	-	1
VENTURA	14	40	11	1	1	-	12	4,567	3	2	-	2
YOLO	8	9	-	2	-	1	-	1,025	1	2	-	-
YUBA	1	1	-	-	-	2	-	473	-	1	-	-

- Represents zero events.

<sup>1</sup> The list of races on this table is compiled by identifying decedents who were reported as being of 2 or more race groups before tabulating single races. This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. See Chapter 6.<sup>2</sup> City Health Department are numbers included in their respective county totals.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-20. TEN LEADING CAUSES OF DEATH, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2004  
(By Place of Residence)

COUNTY	TOTAL ALL CAUSES A00-Y89	Diseases of the Heart I00-I09, I11, I13, I20-I51	Malignant Neoplasms C00-C97	Cerebro- vascular Disease I60-I69	Chronic Lower Respiratory Disease J40-J47	Accidents V01-X59, Y85-Y86	Influenza/ Pneumonia J10-J18	Diabetes E10-E14	Alzheimer's Disease G30	Cirrhosis K70, K73-K74	Intentional Self-Harm U03, X60-X84 Y87.0	ALL OTHER CAUSES (Residual)
<b>CALIFORNIA</b>	<b>232,464</b>	<b>65,002</b>	<b>53,708</b>	<b>16,884</b>	<b>12,519</b>	<b>10,614</b>	<b>7,331</b>	<b>7,119</b>	<b>6,962</b>	<b>3,686</b>	<b>3,364</b>	<b>45,275</b>
ALAMEDA	9,269	2,448	2,206	667	420	392	272	277	204	137	131	2,115
Berkeley <sup>1</sup>	572	144	129	51	13	36	15	18	19	4	8	135
ALPINE	9	1	1	2	-	-	-	1	-	1	-	3
AMADOR	359	97	86	27	18	22	16	4	7	9	5	68
BUTTE	2,178	570	450	161	135	109	52	51	91	42	38	479
CALAVERAS	420	113	96	31	34	26	14	7	9	3	13	74
COLUSA	141	27	29	13	9	10	7	5	9	-	1	31
CONTRA COSTA	6,787	1,608	1,659	556	341	278	219	207	267	91	101	1,460
DEL NORTE	261	63	66	14	17	10	5	11	6	3	6	60
EL DORADO	1,235	341	296	76	73	59	33	26	33	30	14	254
FRESNO	5,811	1,473	1,195	474	279	375	171	208	150	100	83	1,303
GLENN	246	65	56	8	21	13	11	9	7	8	1	47
HUMBOLDT	1,253	302	278	81	85	92	34	45	62	19	26	229
IMPERIAL	869	195	206	58	37	68	24	38	8	21	11	203
INYO	219	68	49	9	15	9	7	7	2	9	4	40
KERN	5,251	1,599	1,081	303	351	287	142	188	148	120	74	958
KINGS	760	195	158	47	47	46	10	47	9	16	12	173
LAKE	780	209	193	48	72	45	15	10	14	13	9	152
LASSEN	227	61	60	14	18	19	8	4	2	5	4	32
LOS ANGELES	59,159	18,075	13,394	4,121	2,784	2,277	2,272	2,202	1,340	1,035	696	10,963
Long Beach <sup>1</sup>	3,069	1,007	675	212	184	115	82	95	47	47	35	570
Pasadena <sup>1</sup>	1,129	337	262	101	52	35	51	36	28	18	10	199
MADERA	914	233	211	55	50	64	27	22	42	22	5	183
MARIN	1,722	416	491	136	72	48	52	29	50	22	39	367
MARIPOSA	156	42	36	7	8	15	3	8	2	4	5	26
MENDOCINO	853	234	218	60	57	43	20	13	14	9	21	164
MERCED	1,383	358	287	114	81	106	34	61	23	24	21	274
MODOC	102	33	20	8	9	8	1	4	2	-	4	13
MONO	45	14	10	3	3	4	1	-	-	1	-	9
MONTEREY	2,371	545	546	180	137	161	44	82	46	45	36	549
NAPA	1,264	284	320	111	67	58	51	37	80	28	17	211
NEVADA	916	207	210	91	61	51	18	17	21	13	10	217
ORANGE	16,748	5,051	3,901	1,365	847	663	637	428	548	229	255	2,824
PLACER	2,284	601	585	219	136	103	63	40	83	27	33	394
PLUMAS	224	41	69	20	10	7	5	4	4	3	10	51
RIVERSIDE	13,638	4,067	3,100	974	924	672	344	319	461	212	180	2,385
SACRAMENTO	9,634	2,556	2,211	774	566	485	301	251	297	144	166	1,883
SAN BENITO	251	65	59	13	19	17	9	7	4	4	5	49
SAN BERNARDINO	11,912	3,317	2,514	691	835	546	305	428	298	187	185	2,606
SAN DIEGO	19,701	5,228	4,631	1,423	1,066	863	477	531	1,106	247	311	3,818
SAN FRANCISCO	5,903	1,498	1,452	504	239	220	248	143	131	76	99	1,293
SAN JOAQUIN	4,433	1,390	986	317	223	230	91	169	111	58	62	796
SAN LUIS OBISPO	1,995	541	507	125	117	96	56	43	73	25	26	386
SAN MATEO	4,573	1,196	1,236	384	220	156	201	80	143	77	64	816
SANTA BARBARA	2,899	801	660	218	169	125	98	78	109	44	35	562
SANTA CLARA	8,470	2,126	2,172	616	411	372	278	284	279	122	149	1,661
SANTA CRUZ	1,579	453	382	127	67	72	39	28	33	27	33	318
SHASTA	1,887	476	447	109	147	110	41	30	36	35	30	426
SIERRA	37	8	14	-	1	7	1	2	-	1	1	2
SISKIYOU	500	107	133	30	30	36	9	18	9	6	15	107
SOLANO	2,589	637	613	191	176	119	54	83	119	54	34	509
SONOMA	3,620	899	899	361	206	157	97	93	140	53	64	651
STANISLAUS	3,473	1,051	735	206	192	206	104	107	95	55	59	663
SUTTER	687	196	141	49	47	39	25	17	10	11	12	140
TEHAMA	593	152	132	51	28	34	7	18	20	7	9	135
TRINITY	157	28	41	6	18	12	5	6	1	5	2	33
TULARE	2,638	756	549	161	132	204	66	92	31	48	31	568
TUOLUMNE	607	166	140	43	31	41	19	10	7	11	15	124
VENTURA	4,849	1,315	1,098	324	262	235	131	141	133	67	65	1,078
YOLO	1,105	268	261	79	66	59	51	33	30	13	17	228
YUBA	518	136	132	29	33	33	6	16	3	8	10	112

- Represents zero events.

<sup>1</sup> City Health Department numbers are included in their respective county totals.

Note: Causes of death are coded to the Tenth Revision of the International Classification of Diseases.

Source: State of California, Department of Health Services, Death Records.

## NOTES



## 6. SOURCES, QUALITY, AND LIMITATIONS OF DATA

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# VITAL STATISTICS REGISTRATION

## History of Vital Statistics Registration

Less than a decade after the formation of California State Government in 1850, a law was enacted requiring the state to register vital events. The law was repealed in 1860, and vital events were then registered by local offices and were incomplete. Effective statewide coordination of the registration of births, deaths, and marriages began in California in 1905 when the Bureau of Vital Statistics was established. Statewide registration and reporting of births, deaths, and marriages has continued without interruption since that date. California was admitted to the United States Death Registration Area in 1906, to the Birth Registration Area in 1919, to the Marriage Registration Area in 1957, and to the Divorce Registration Area in 1968.

From 1905 through 1939, a stillbirth required filing both a birth and a death certificate. The birth certificate contained an item requiring the attendant at birth to indicate whether or not the child was born alive. Processing of these birth certificates for stillbirths was exactly the same as for certificates of live births, except that they were excluded from the live birth tabulations. Beginning in 1940, stillbirths were registered on a Certificate of Stillbirth, which was changed to a Certificate of Fetal Death in 1952.

In 1949 a major revision of marriage registration took place in California establishing uniform procedures throughout the State. All forms relating to marriage registration are prescribed and furnished by the State Registrar (Health and Safety Code 102200). The Office of Vital Records is responsible for the statewide registration of marriages in California. From 1949 through 1986 statewide indices were prepared from these records. This was stopped in 1987 due to budget constraints and/or loss of positions. At this time only a monthly hand count of marriage certificates is available and provided to the National Center for Health Statistics.

In 1962 a statewide reporting system for divorces and annulments was established. Because the report of final decree contained very few items of information, only a limited index and simple counts by county were available. A more extensive divorce reporting system went into effect in 1966, requiring initial complaints and final decrees to be reported. The Family Law Act of 1969, implemented January 1, 1970, removed adversarial proceedings, changed the name of the decrees of marital dissolution, and reduced the waiting period from initial filing to final decree. In 1978, the Legislature sharply reduced the scope of California's marriage dissolution reporting system and, in that same year, California was dropped from the U.S. Divorce Registration Area. Since 1978, county clerks report to the State Registrar only type of final decree, county case number, spouses' names, and date decree granted.

## Registration Systems at Present

In California, the registration of vital events is uniformly governed by statutory provisions set forth in Division 102 of the California Health and Safety Code. Forms, standards, and guidelines are provided by the Office of Vital Records, California Department of Health Services. (See "*The Vital Statistics System in California*", inside front cover, for further functional definitions.)

## Live Birth, Death, and Fetal Death Registration

Births, deaths, and fetal deaths are registered with the local registrar in the county or registration jurisdiction where the event took place. Registration forms are furnished by the Office of Vital Records. Local registrars prepare and maintain copies of original certificates; original certificates are then mailed to the State Registrar, indexed, and filed as permanent records.

The Health and Safety Code states that the health officer of any approved local health department is the local registrar for all registration districts in the health jurisdiction and shall perform all the duties of local

registrar of births and deaths. In other areas, the State Registrar appoints a local registrar of births and deaths for each registration district.

Each live birth must be registered with the local registrar within ten days following the birth. For births occurring in a hospital, the hospital administrator or designee is responsible for registering the birth. For out-of-hospital births, the physician or other person in attendance is responsible for the registration; if no attendant is present, one of the parents must complete the registration (Health and Safety Code, Division 102, Chapter 3, Article 1).

Each fetal death in which the fetus has advanced to or beyond the 20th week of gestation must be registered with the local registrar within eight days following delivery, prior to any disposition of the fetus (Health and Safety Code, Division 102, Chapter 7, Article 1). It is the responsibility of the attending physician or the coroner to certify the cause of death. It is the responsibility of the funeral director, or other authorized person, to obtain all information other than that in the medical and health section, and to register the certificate.

Each death must be registered with the local registrar within eight days after the death occurs, prior to any disposition of the human remains. The persons charged with this responsibility are the funeral director, or other authorized person, and the physician in attendance or the coroner (Health and Safety Code, Division 102, Chapter 6, Article 1).

It is the responsibility of the physician last in attendance to complete the medical and health section of the death certificate, including the cause of death. However, in the event that no physician was in attendance within 20 days of the death, or the physician is unable to state the cause of death, the death becomes a coroner's case. In all cases where suicide or homicide is suspected, or where there was an accident or injury, it is the coroner's duty to investigate the death.

## Marriage and Marriage Dissolution Registration

There are five types of marriage licenses which may be issued in California: "Public License" (Family Code Section 359), "Confidential" (Family Code Section 500), "Denominations Not Having Clergy" (Family Code Section 307), "Declaration of Marriage" (Family Code Section 425), and "Court Order Delayed (COD) Certificate of Marriage" (Health and Safety Code Section 103450). All marriage licenses, except the COD, are a three-part form. The forms are furnished by the Office of Vital Records to the county clerks responsible for issuing them. The original portion becomes the marriage certificate after the ceremony has been solemnized.

"Public" and "Denominations Not Having Clergy" licenses may be used anywhere in the State of California, while a ceremony performed based upon the issuance of a "Confidential" license may only be performed in the county in which the license was issued. Each marriage must be registered with the local registrar by the person performing the ceremony within ten days after the solemnization (Family Code Sections 423 and 506). The county recorder is the local registrar of regular marriages and is responsible for transmitting the Certificate of Registry of Marriage to the Office of Vital Records. The county clerk is the local registrar of confidential marriages and is responsible for transmitting a copy of the Certificate of Confidential Marriage to the Office of Vital Records. Unlike records of public marriage, records of confidential marriages are not open to public inspection in the local registrar's office or the Office of Vital Records, except upon order of the Superior Court.

Certificates of Final Decree of Dissolution of Marriage, Judgment of Nullity, or Legal Separation are transmitted to the Office of Vital Records by the county clerk of the county in which the decree was granted.

This report does not include information from the registry of marriage and marriage dissolutions granted.

# SOURCES AND QUALITY OF VITAL STATISTICS DATA

Vital statistics records of the California Department of Health Services are the source of data presented in this report. These records include certificates of live birth, death, and fetal death. On the last page of this report is a table which outlines legislatively mandated details of the registration process. Chapter 8, Appendix of Sources, includes sample facsimiles of birth, death, and fetal death certificates.

## Births, Deaths, and Fetal Deaths

Birth data are obtained through an electronic registration process wherein birth certificates are generated from data entered into the Automated Vital Statistics System (AVSS) at the birth hospital or office of the local registrar. The electronic data are transmitted from the local registry to the state where they are checked, further edited, and modified. A few birthing hospitals utilize alternative electronic systems, but the data are imported into AVSS from these systems.

Selected fields from the paper death certificate are key entered into the death database at the State, where the data are edited. Underlying cause of death is derived from the cause of death text entries on the death certificate. Beginning in 1996, the Office of Vital Records utilized SuperMICAR, a software product developed by the National Center for Health Statistics (NCHS), for determining and electronically coding the underlying cause of death. This software system integrates and replaces the prior coding system, which was a combination manual and automated processing systems. Any records that cannot be electronically coded are manually coded by Office of Vital Records staff and/or by NCHS.

Information from fetal death certificates is also key entered by the State into an electronic database for analysis. The underlying cause of fetal death is coded by hand according to the World Health Organization (WHO), International Classification of Diseases, Tenth Revision codes.

## "Residence" and "Occurrence"

In this report, events that occurred out of state to California residents or out of the county of residence are included in the state and/or county of residence in tables subtitled "by place of residence." Tables in this report subtitled "by place of occurrence" include events that occurred in the specified geographic area, irrespective of the place of residence. These tables include events to non-California residents.

Mortality and natality data have been tabulated primarily by place of residence since 1945; in all years since then, except 1947, some reallocated certificates have been included in California residence data. Most certificates of live birth, death, and fetal death that occurred out of California to California residents, or which occurred in California to out-of-state residents were reallocated to the state of residence. This was made possible by a cooperative program among the states to exchange copies of certificates for nonresident events. Since birth and fetal death information was not received from all states, out-of-state occurrences are incomplete to a small but unknown extent for these events.

## Completeness of Data

California birth registration is considered to be complete for births occurring in California. An extensive study of the completeness of birth registration was conducted by the Bureau of the Census.<sup>1</sup> It found that during a five-year period in the United States, birth registration was 99.3 percent complete. There is some omission of out-of-state births to California residents, but the effect of this problem is small.

Death registration of deaths that occurred in California is considered to be almost 100 percent complete because a death certificate must be filed before a burial or disposition permit is issued. Some under-registration may occur for deaths of children under one year of age and particularly to children dying in the

first day of life. Deaths that occurred out-of-state to California residents have historically been less well captured, and for several years prior to 2003, fewer than 50 percent of these were captured in these reports. All 2003 and 2004 out-of-state death data were provided by NCHS and are presumed to be complete. Therefore, all 2003 and 2004 deaths to California residents are included except deaths that occurred out of the United States or its territories.

Though no thorough study of the completeness of California's fetal death registration has been conducted recently, it appears that the legally mandated death registration of fetuses that have advanced to or beyond the 20th week of gestation is not complete. The extent and consistency of such non-reporting is unknown at this time.

In addition, a small number of vital events are registered after the cutoff date for creation of the annual birth, death, and fetal death statistical files. These late registrations are not included in this report.

## California Birth Cohort File

In population research, a cohort is a group of individuals who have experienced the same significant demographic event during a specific period of time (usually a year), and who may be identified as a group at successive later dates by this common demographic experience. Cohort studies enable accurate descriptions of changes occurring in a specific group of individuals over time. The most common and important cohort is a birth cohort, persons born during the same year or years.

Since 1965, the California Department of Health Services has linked California's live birth and infant death records to create the California Birth Cohort File. Each cohort consists of records of live births and fetal deaths registered in a calendar year. The death records of infants who die within the first year of life (including those who die in the calendar year following their birth year) are matched and linked to their respective live birth records in the California Birth Cohort File. The preparation of birth cohort files also includes resolution of registration anomalies, for example, when an infant death was registered but no birth certificate was filed. This results in counts and rates that differ slightly from those based on the standard birth and death data files.

Rates computed from this birth cohort file are a direct measure of infant loss because they represent the mortality experience of a cohort of infants from birth to one year of age. The Birth Cohort File may be used to compute fetal, neonatal, perinatal, postneonatal, and infant mortality rates for a number of characteristics of the mother and child that are only available on the birth and fetal death certificates, such as age of mother, birth order, place of delivery, trimester prenatal care began, birthweight, gestational age, and race/ethnicity of the parents.

Studies have shown that the designation of race/ethnicity on the birth certificate is more accurate than on the death certificate.<sup>2,3</sup> The Birth Cohort File enables more accurate race-specific death rates, since race for both the numerator and the denominator of rates is taken from the birth certificate information and utilizes the race/ethnicity of mother. Utilization of the Birth Cohort File is primarily limited by the delay required to link birth and death records and to follow back to hospitals and local registration districts regarding questionable linkages. For this reason, the 2003 Birth Cohort File was used for this report.

The 1998 Birth Cohort File was not prepared, resulting in a gap in trend lines in certain tables utilizing these files. Tables in Chapter 4 (Infant Mortality) are based either on the Birth Cohort File or on the Death Statistical Master File. The source of the data is noted on each table.

## Life Tables

A life table is a statistical mechanism to summarize mortality experiences and provide estimates of longevity. There are two primary types of life tables: the generation or cohort life table and the current or cross-sectional life table.

The generation life table provides a longitudinal perspective and involves the mortality experience of a group or cohort of individuals who were born during the same time period. This type of life table best reflects changing environmental conditions, but is not often employed due to the practical constraints of gathering mortality data over many years.

A current life table describes the mortality forces on a population at a specific point in time. The current life table considers mortality for a hypothetical cohort and assumes that the hypothetical cohort is subject to the forces of mortality present in the year the table is constructed. This type of table demonstrates the long-range implications of currently prevailing age-specific death rates.

Life tables may also be distinguished according to the length of the age intervals used in constructing the tables. When the life table is constructed using every single year of age from birth to the last applicable age, the table is referred to as a complete life table. An abridged life table, on the other hand, is constructed using broader age intervals, generally five years. The methodology used in constructing life tables is more fully described in a report that was published by and is available from this office.<sup>4</sup> The standard life table methodology was employed utilizing Chiang's formulas and the "fraction of last year of life" adjustments in calculating the probability of death.<sup>5</sup>

Table 1-14, presented in this report, is derived from abridged life tables for males and females for selected years. Detailed California abridged life table reports for 2004 and earlier years are available from this office or on the Internet ([www.dhs.ca.gov/ohir](http://www.dhs.ca.gov/ohir)).

## Quality Control Procedures

Field validations, range edits, and cross-edits on birth data are performed during the electronic birth registration process. Additional electronic edits are performed during processing of the birth, death, and fetal death statistical files. Duplicate records are eliminated. Additionally, vital statistics files are reviewed for systematic changes in the proportion of responses in all key data fields.

The National Center for Health Statistics performs an independent evaluation of selected certificate information by reviewing a sample of birth and death records to identify random errors. Error rates in the aggregate are less than two percent and identified errors are corrected.

## Population

Vital statistics provide better measures of health status when they are related to the characteristics of the population at risk. Because human populations vary in size and composition, and the number of vital events that occurs depends on both of these population factors, rates or ratios are used to make accurate comparisons between subgroups. They also control for population variability by showing the number of events per unit of population (or other standard denominator).

The population data used as denominators for calculating rates are prepared by the Demographic Research Unit of the California Department of Finance (DOF). These data include resident military and civilian populations as of July 1 for each year. Population estimates used in this report have varied over previous years. This report has used 1970-1996 population estimates released in January 1998; 1990-1999 population released in May 2004; 2000-2050 population projections released May 2004; and Intercensal Estimates of the Population of California for the State and Counties released in May 2001. See notes on each table for exact source of population data used in that table.

Beginning with the 2003 report population data were based on the 2000 Census as opposed to prior years when population estimates based on the 1990 Census were used. Therefore rates in this report may vary from older reports, and trends and differences should be interpreted with caution.



In addition, these new population data made it possible to provide race-specific death rates using Census 2000 race categories. See Appendix Tables A-D in Chapter 7 for the 2000-2003 population by race/ethnicity, age, and sex.

## LIMITATIONS OF DATA

Data limitations must be recognized by users to avoid invalid interpretations. For vital statistics data, these limitations are related to the difficulties in reporting and classifying information and to some under-registration of events. It is especially necessary to exercise caution when evaluating vital statistics trend data, because medical concepts, legal codes, definitions concerning vital statistics events, estimates of the population, race, and methods of assigning causes of death change over time.

### Variability of Rates

Vital statistics rates are sensitive to variations in the size of both the numerator (the number of vital events that occurred) and the denominator (the estimated population at risk). For example, in small counties a variation of only a few cases in the numerator can cause a relatively large shift in a rate, while in a large county such a small change may cause no shift in the rate at all. Likewise, a minor revision in the estimate of the population in a small county may cause a relatively major change in a vital event rate in that county.

In addition, some vital statistics rates such as fetal death rate per 1,000 total births and infant death rates per 1,000 live births are sensitive to variation in the number of births, since the number of births is related to population size (i.e. counties with smaller populations tend to have fewer live births than counties with larger populations). In small counties these rates are just as sensitive to small shifts in the numerator as are rates based on the total population. The user is cautioned that rates, ratios, or percents based on fewer than 20 observations may be unreliable and are usually subject to significant variability from one year to the next.

On many of the tables in this report, rates or percents which are based on small numbers, typically five or fewer events in the numerator and/or a denominator under 1,000, have been omitted from the tables to avoid erroneous conclusions. Please refer to each table's footnotes for methodological details.

### Sampling Error and Vital Statistics

The number of birth and death vital events reported for an area is essentially a complete count, because more than 99 percent of all vital events are registered. Although this number is not subject to sampling error, it may be affected by nonsampling errors in the registration process.

When the number of vital events is used for analytic purposes (that is, the comparison of numbers, rates, and percents over time, for different areas, or between different groups), the number of vital events that *actually* occurred can be thought of as one outcome in a large series of possible results that *could have* occurred under the same (or similar) circumstances. When considered in this way, the number of birth or death vital events is subject to random variation and a probable range of values can be estimated from the actual figures, according to certain statistical assumptions.

A 95 percent confidence interval is the range of values for the number of vital events, vital event rates, or percent of vital events that you could expect in 95 out of 100 cases. The confidence limits are the end points of this range of values (the highest and lowest values). Confidence limits tell you how much the number of vital events or rates could vary under the same (or similar) circumstances.

Confidence limits for vital event numbers, rates, and percents can be estimated from the actual number of vital events. Procedures differ for rates and percents and also differ depending on the number of vital



events on which these statistics are based. Detailed procedures and examples for each type of case are given in Technical Notes of *Births: Final Data for 2004 National Vital Statistics Reports*; National Center for Health Statistics, 2006 <sup>6</sup>. In addition given an estimate of the standard error of age-adjusted death rates<sup>7</sup> the methods described in these technical notes can be applied to derive confidence intervals for age-adjusted rates. (See the next section for a description of age-adjusted rates.)

When the number of vital events is large, the distribution of values is assumed to follow a normal distribution (where the relative standard error is small). When the number of vital events is small and the probability of the event is small, the distribution is assumed to follow a Poisson probability distribution. Considerable caution should be observed in interpreting the occurrence of infrequent events. The standard error of infrequent events is large and any statistical analyses based on infrequent events would not be reliable or valid.

## Age-Adjusted Death Rates

The crude death rate (number of deaths per population size) is a widely used measure of mortality.<sup>8</sup> However, crude death rates are influenced by the age composition of the population. As such, comparisons of crude death rates over time or between groups may be misleading if the populations being compared differ in age composition. Age standardization, often called “age adjustment,” is one of the key tools used to control for the different age distributions among populations being compared.

To compare differences in mortality between groups or across time periods, the number of events must be adjusted to take into account the size of the “population at risk” of experiencing the event. In this way one can compare the relative risk of death between groups or across time periods. The most informative method of making comparisons of mortality risk between groups is to examine differences in age-specific death rates. The age-specific death rate is defined as the number of deaths occurring in a specified age group divided by the midyear population of the age group, usually expressed per 1,000 or 100,000 population. Age-specific death rates allow one to compare mortality risk among groups or over time within a particular age group. Although effective in eliminating the effect of differences in age composition, age-specific comparisons can be cumbersome, because they require a relatively large number of comparisons, one for each age group.

To overcome the effect of population age composition on comparisons of crude death rates, as well as the unwieldiness of multiple comparisons of age-specific death rates, age-adjusted death rates are used. The age-adjusted death rate is defined as the death rate that would occur if the observed age-specific death rates were present in a population with an age-distribution equal to that of a standard population.

Three important caveats apply when age adjusting rates. First, considered alone, the age-adjusted death rate does not reflect the mortality risk of a “real” population. The average risk of mortality of a real population is represented by the crude death rate. The numerical value of an age-adjusted death rate depends on the standard used and, therefore, is not meaningful by itself. Age-adjusted death rates are appropriate only when comparing groups or examining trends across multiple time periods. A comparison of age-adjusted death rates among groups or time periods does reflect differentials in the average risk of mortality.

Second, age standardization may mask important information if the age-specific rates in the populations being compared do not have a consistent relationship. This problem arises in cancer mortality. Anderson and Rosenberg (1998) <sup>8</sup> provide an example that shows the trend in the age-adjusted death rate for cancer does not reflect the complexities in the underlying age-specific rates. As averages, age-adjusted rates, like other averages, may lose information shown in their components, especially when age-specific rates reflect divergent trends over time. More often, however, age-specific rates move roughly in parallel. Thus age-adjusted death rates are a widely accepted and useful convention for analyzing trends. Age-adjusted death rates are also highly effective for making comparisons among population groups and among geographical areas because age distribution often varies substantially between such comparison groups.

In sum, thorough mortality analyses should include examination of age-adjusted rates as well as age-specific rates. In cases where age standardization may mask important age-specific trends or differences, presentation of age-adjusted rates should be supplemented with age-specific rates.

Finally, because age-adjusted death rates are averages, they represent merely the beginning of an analysis strategy that should proceed to age-specific analyses and then to examination of additional sociodemographic, temporal, and geographical variables.

The age-adjusted rates in this report were calculated using the direct method and the year 2000 U.S. standard population.<sup>8</sup> Age-adjusted rates in this report are not comparable with rates adjusted to the 1940 U.S. standard population or other population standards. An example for calculating the age-adjusted death rate for California (deaths due to all causes) by the direct method follows:

CALIFORNIA					
AGE GROUPS	2003 DEATHS	2003 POPULATION	AGE-SPECIFIC RATE/100,000	2000 U.S. STANDARD POPULATION PROPORTIONS	WEIGHTED RATE FACTORS
	(A)	(B)	(C)	(D)	(E)
TOTAL	239,325	35,934,967	666.0		
Unknown	82				
<1	2,819	531,434	530.5	0.013818	7.3
1-4	558	2,008,528	27.8	0.055317	1.5
5-14	839	5,420,822	15.5	0.145565	2.3
15-24	3,682	5,160,658	71.3	0.138646	9.9
25-34	4,399	5,246,137	83.9	0.135573	11.4
35-44	9,423	5,648,662	166.8	0.162613	27.1
45-54	18,555	4,819,832	385.0	0.134834	51.9
55-64	25,293	3,146,705	803.8	0.087247	70.1
65-74	38,400	1,997,161	1,922.7	0.066037	127.0
75-84	68,278	1,414,654	4,826.5	0.044842	216.4
85+	66,997	540,374	12,398.3	0.015508	192.3
AGE-ADJUSTED RATE-----					717.2

STEP 1: Array the 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 California of 717.2 per 100,000 population.

## Age

The death certificate contains both the age and the date of birth of the decedent. For computer tabulations, the age at death is generated from the difference between the date of birth and the date of death. For infants living less than 24 hours and for other deaths where date of birth is not reported, the stated age is accepted.

## Race and Ethnicity

Since 1979, information on the race and ethnicity of the father and mother has been reported voluntarily on the birth certificates. This information was mandatory prior to 1979. Information on race/ethnicity and Hispanic origin is provided during the completion of the certificate, usually by a parent. In the case of death certificates, information may be provided by any of a number of informants, from the next-of-kin or friend to the funeral director. Underreporting for deaths may occur for some race/ethnicity groups, e.g., American Indians, some Asian groups, Pacific Islanders and Hispanics.

Race/ethnicity and Hispanic origin are collected as separate items. (See Figure 8-I: Race Identification Work Sheet for the format in which data are ideally obtained from birth and death certificate informants.) Twenty race/ethnicity categories are specified, with opportunities for other or more specific write-in entries. Hispanic origin is a separate and independent item. Therefore, a person may be Hispanic and also be a member of any race category. For example, a mother may classify herself as White or as any other race on her child's birth certificate, and she may also report herself as being of Hispanic origin. Birth tabulations by race/ethnicity and race (as described on page 178 and in Chapter 2) are by race/ethnicity or race of mother.

Beginning in 2000, parents and informants were permitted to select up to three races for birth and death certificates, respectively. The worksheet (Figure 8-I) was modified to include this instruction. Also in 2000, the U.S. decennial census permitted respondents to mark "one or more races" for each household member. These changes were in compliance with the Office of Management and Budget's revised race/ethnicity guidelines<sup>9</sup> and were intended to provide numerator (vital statistics) and denominator (population) data in the same categories of race/ethnicity. In addition to permitting selection of multiple races, revised standards provided for expanded minimum reporting categories and some changes in terminology. Additional, more current implementation guidelines are also available.<sup>10</sup>

Although the new multiple race guidelines permit vital statistics and other important data systems to more accurately collect and tabulate the race(s) with which people identify themselves, several difficulties have occurred as a result of this change:

### Break in Trends

Race/ethnicity tabulations that include "multiple race" categories are not compatible with nor easily comparable to data in the old, single race format. "Two or More Race Groups" as presented in this report is a race/ethnicity category that is comprised of all subjects who reported any two or three major race groups and who, therefore, are no longer categorized in single race categories as in prior years. This produces a break in the trend for all the race categories in which these multiple race respondents were formerly classified. This break in the trend is more substantial for smaller race/ethnic groups.

It is theoretically possible to statistically remove the effects of this change in data collection methodology by using bridging techniques. The goal of bridging is to correctly (statistically speaking) assign all persons who reported multiple races to appropriate single race categories. The effects of various bridging techniques on California birth outcome data have been studied, and the findings include the conclusion that large race/ethnic groups are not significantly affected by the selection of specific bridging techniques, but smaller groups (such as American Indians) are more substantially affected.<sup>11</sup> For the purposes of this

report, we have chosen not to attempt any bridging of race/ethnicity. Trends by race/ethnicity are broken and, therefore, all race-specific trend tables include only data from 2000 forward.

### Underreporting of Multiple Races

There is some indication that underreporting is occurring of multiple race identification of parents on birth certificates and, to an even greater extent, of decedents on death certificates. Collection of racial self-identification is, of course, impossible with regard to decedents, and race data in general can be problematic to collect for death certificates. Racial self-identification of parents also may be modified by birth data collection methodologies of birthing hospitals. As knowledge of the ability to report multiple races on vital certificates becomes more widespread, completeness of these data should improve.

### Census Data

In prior years (2000-2002) race-specific rates were omitted from this report because race-specific population data in the same race/ethnic categories as are used in this report were not available from the California Department of Finance. Now that the 2000 census-based California population data adjusted for the census undercount have become available race-specific rates are again included in this report. Rate tables by sex or age used in this report are not comparable to prior years' reports since they utilize the new population data.

### Heterogeneity of Race/Ethnicity Categories

Although collection of multiple races more adequately honors the true diversity of the California population, presentation of data in the "Two or More Race Groups" category is problematic. Since it includes all respondents who reported any two races, it is a very heterogeneous category of limited use for public health purposes. Some recent work examines the substantial differences in birth outcomes among mothers of various two-race categories.<sup>12</sup> Other race categories are also heterogeneous; for example, U.S. vs. foreign-born residents of the same race may experience very different patterns of birth outcomes or mortality. For many purposes, more detailed analysis of health outcomes by specific multiple race combinations, by Asian sub-groups, by Hispanic places of origin, by place of birth, and by other factors would be of great interest and utility.

### Tabulation Categories of Race and Race/Ethnicity in this Report

Most tables in this report that present tabulations by "race/ethnicity" utilize seven mutually exclusive race/ethnicity and Hispanic origin categories. These categories, which comply with the OMB minimum categories, are: Hispanic; and the following non-Hispanic groups: Two or More Race Groups, American Indian (includes Alaskan Native), Asian, Black, Pacific Islander (includes Hawaiian), White/Other, and Unknown (includes Refused to State and Unknown). In some tables, Two or More Race Groups, Pacific Islander, and/or American Indian may be included in the Total Race category, but not reported separately, due to the small numbers of events. Similarly, "Other", and/or "Unknown" may be combined with "White" if they are not presented separately. Refer to each table's footnotes for clarification.

In order to develop these mutually exclusive race/ethnicity categories, all persons of Hispanic origin are assigned to the "Hispanic" category. Persons of any race or races may be included in this category. Persons who are not of Hispanic origin, or for whom Hispanic origin is unknown, are assigned to one of the other (non-Hispanic) categories if race/ethnicity is known. This methodology results, for example, in a person who is American Indian and also Hispanic being categorized as Hispanic, while a person who is American Indian and not Hispanic will be categorized as American Indian. Persons for whom neither race/ethnicity nor Hispanic origin information is available are classified as "Unknown."

Tables identified by "race" rather than "race/ethnicity" in the title present births and deaths distributed in the following 22 categories: Two or More Race Groups, American Indian, Black, Cambodian, Chinese,

Eskimo/Aleut, Filipino, Guamanian, Hawaiian, Hmong, Indian (India), Japanese, Korean, Laotian, Samoan, Thai, Vietnamese, White, Other Asian, Other Pacific Islander, Other Races, and Unknown. These categories do not take into account Hispanic origin. Population-based rates have historically not been provided for these categories because population data have not been available.

The category “Two or More Race Groups,” whether it is in a table by “race/ethnicity” or by “race,” is comprised of records for which two of the OMB minimum categories of race were reported: Asian, American Indian or Alaska Native, Black or African American, Pacific Islander, or White/Other. Persons who, for example, reported two Asian sub-groups such as “Filipino” and “Chinese” would be reported as “Asian” in the tables by “race/ethnicity.” In the detailed tables by “race” this hypothetical person would be reported in the Asian race category that was listed first on the birth or death certificate.

Please refer to the tables of contents at the beginning of each chapter or to the Table Guides at the end of the narratives in Chapter 2 and Chapter 5 to locate tables with race or race/ethnicity data.

## Cause of Death

One of the most important uses of vital statistics data is the study of trends in the number and rate of deaths by cause of death. Vital statistics trend research yields valuable information on the health status of the population that contributes to the evaluation and monitoring of health and medical programs. More importantly, studies of cause of death trends help identify emerging public health problems and at risk populations so that strategies can be developed and appropriate resources focused and applied to improve public health.

The interpretation of vital statistics trend data, however, is complicated by technical difficulties that limit the comparability of data over time. Changes in the method of assigning or coding causes of death are perhaps the greatest concern.

Cause-of-death statistics are derived from the medical information reported on the death or fetal death certificate by the attending or certifying physician or coroner. The medical portion of the death and fetal death certificates makes provision for reporting four causes of death (immediate, two intervening, and underlying) plus additional information related to contributing causes of death. The cause of death selected for coding and tabulation in this report is the “underlying cause of death.” This is generally defined as the disease, injury, or complication that initiated the sequence of morbid events leading directly to death.

In this report, deaths by cause are presented in several levels of detail. The tables called “Major Causes of Death” list major categories of underlying causes of death (ICD-10) along with subcategories and present the number of deaths for California and by race/ethnic group. The “Leading Causes of Death” tables are ranked according to the frequency of deaths within groups such as sex, age, or race. The “Selected Detail” table is a subset of the “Leading Causes of Death” and shows the number of deaths for the subgroups of cancer, heart disease, accidents, suicide, and homicide by race/ethnic group and sex. Some causes of death tables in this report include a pound sign (#). This symbol indicates the causes of death that are eligible to be ranked as leading causes of death for the specified population and infant/fetal groups according to the NCHS Instruction Manual Part 9, ICD-10 Cause-of-Death Lists for Tabulating Mortality Statistics.

This report presents data coded according to the *International Classification of Diseases, Tenth Revision (ICD-10)*, and the *Instruction Manual, Part 9, ICD-10 Cause-of-Death Lists for Tabulating Mortality Statistics Effective 1999*.<sup>13</sup> For the years 1979-1998, the causes of death were coded using the *International Classification of Diseases, Ninth Revision (ICD-9)*.

Under ICD-10, this coding system has increased from under 4,000 codes to approximately 8,000 codes, changing groupings of causes and some titles, as well as coding rules. Therefore the comparability of



causes of death between ICD-9 and ICD-10 must be considered when attempting analysis of trends for specific causes of death. To assist in the analysis of trends, the number of deaths, death rates, and age-adjusted death rates (adjusted to the year 2000 standard population) for 1990-1998 coded under ICD-9 were provided in tables in Chapter 7 of Vital Statistics of California, 1999. This report is available at [www.dhs.ca.gov/ohir](http://www.dhs.ca.gov/ohir) or from the address on the order form at the back of this report.

Since its inception in 1898, the classification of diseases has been revised approximately every ten years. Each of the decennial revisions has produced some break in the comparability of cause of death statistics. These discontinuities have complicated the interpretation of trends in cause of death statistics over time. The National Center for Health Statistics has prepared comparability ratios between the *Ninth* and the *Tenth Revisions* for deaths in the United States as a whole. These comparability ratios for the transition from ICD-9 to ICD-10 are available on the NCHS Web page ([www.cdc.gov/nchs/](http://www.cdc.gov/nchs/)). These ratios are based on 1996 death data that was double-coded under ICD-9 and ICD-10. These comparability ratios should be used with caution, especially at state and smaller geographic levels.

## Pregnant in Last Year

In 2003 the death certificate was revised and the question “If female, pregnant in last year” was added. With the addition of this question several things happened. Data from our death file (the Death Statistical Master File) showed that there were 210 records for California residents that indicated that yes the decedent was pregnant within the last year. These included records where the underlying cause of death was not explicitly due to pregnancy or birth-related causes (maternal death codes O00-O99). In reviewing these records some coding and key entry errors were found. The effect of the addition of this variable may not be clear until a few years of data are available.

## Education Completed

Another change on the 2003 death certificate was decedents education, changing from “years of education” to “education completed.” There are nine categories ranging from eighth grade or less to doctorate degree and unknown. With this change the 2003 and 2004 data are not strictly comparable with data from prior years. See Appendix Table E in Chapter 7.

## Length of Gestation

Length of gestation is calculated for live births and fetal deaths by subtracting the date the last normal menses began from the date of birth after first converting to days. The accuracy of this calculation is contingent upon the mother's recall of her last menstrual period. If only the month and year are given, 15 is used as the day for purposes of this calculation. If a date is not reported, no calculation is made.

## Marital Status

Beginning in 1997, two new pieces of California legislation affected the collection of mother's marital status in conjunction with registration of births. The first law, Assembly Bill 2680, required marital status to be collected electronically through the Automated Vital Statistics System (AVSS). Mothers were asked directly whether they were married to the child's father at any time during the pregnancy. The second law, Assembly Bill 1832, stipulated that if the parents are not married to each other, the father's name would not be listed on the birth certificate unless the father and the mother sign a voluntary declaration of paternity.

Prior to 1997, for the years 1966-1996, mother's marital status was determined in California by an inferential methodology based primarily on comparison of the surnames of the mother, father, child, and informant as listed on the birth certificate. This inferential methodology itself was revised between 1994

and 1995 to better reflect surname practices among some mothers, primarily those of Hispanic origin.

While the inferred marital status methodology resulted in no missing values in the marital status field, the 1997 “real” marital status field included 16,712 births where the marital status of the mother was unknown. The number has steadily decreased to 205 in 2004. For purposes of this report, births with unknown marital status were excluded in the denominator when marital and non-marital births as a percent of all births were calculated.

Since it is extremely difficult to distinguish between real changes in data on non-marital births and changes due to methodological inconsistencies in determination of mothers’ marital status, data on trends in non-marital births should be interpreted with caution. For further information on these methodologies and resultant changes in data, please contact the Vital Statistics Section of California Department of Health Services, Center for Health Statistics.

## Time Periods and Geographic Bases

Prior to 1947, births and deaths were tabulated by year of registration. In 1947, births were tabulated by year of occurrence, while deaths were tabulated by year of registration. Since 1948, births, deaths, fetal deaths, marriages, and marriage dissolutions have been tabulated by the calendar year in which the event occurred. From 1949 through 1967, deaths in hospitals, sanitariums, and all other institutions were allocated to the previous residence regardless of the decedent's length of stay in the institution. Since 1968, deaths occurring in hospitals, sanitariums, and other resident institutions have been allocated to the last previous residence, unless the decedent resided in the institution for at least one year. All deaths in penal institutions and mental hospitals are allocated to the previous place of residence regardless of the length of stay in the institution.

## Confidentiality

The California vital statistics data are available to the public through an extensive set of public use CD-ROM and mainframe data files. These data are released in a manner that does not compromise the confidentiality guaranteed to the respondents who supplied the original data. Data Products and Publications are available for ordering on the Internet at:

[www.dhs.ca.gov/ohir](http://www.dhs.ca.gov/ohir)

or at the address on the Publications Order Form at the back of this report.

## REFERENCES

1. U.S. Department of Commerce, Bureau of the Census, Test of Birth Registration Completeness, 1964-1968, PHC (E) – 2, 1973.
2. Norris FD, Shipley PW. A Closer Look at Race Differentials in California's Infant Mortality, 1965-67, Health Services and Mental Health Administration Health Reports, Vol. 86, No. 9: 810-814, September 1971.
3. Frost F, Shy KK. Racial Differences Between Linked Birth and Death Records in Washington State. *American Journal of Public Health*, Vol. 70, No. 9: 974-976, September 1980.
4. Oreglia A. Methodology for Constructing Abridged Life Tables for California for 1977, Data Matters, No. 81-01021. California Department of Health Services, January 1981.
5. Chiang CL. Life Table and Mortality Analysis. World Health Organization, 1978.
6. Martin JA, Hamilton BE, Sutton PD, Ventura SJ, Menacker F, Kirmeyer S. Births: Final data for 2004. National Vital Statistics Reports; Vol. 55, No. 1. Hyattsville, Maryland: National Center for Health Statistics, 2006.
7. Chiang CL. Standard Error of the Age-Adjusted Death Rate. Vital Statistics – Special Reports, Vol. 47, No. 9, National Center for Health Statistics. Washington: Public Health Service, 1961.
8. Anderson RN, Rosenberg HM. Age Standardization of Death Rates: Implementation of the Year 2000 Standard. National Vital Statistics Reports, Vol. 47, No. 3. Hyattsville, Maryland: National Center for Health Statistics, October 1998.
9. Office of Management and Budget. Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity. Available at: [www.whitehouse.gov/omb/fedreg/ombdir15.html](http://www.whitehouse.gov/omb/fedreg/ombdir15.html)
10. Office of Management and Budget. Provisional Guidance on the Implementation of the 1997 Standards for Federal Data on Race and Ethnicity. Available at: [www.whitehouse.gov/omb/inforeg/statpolicy.html](http://www.whitehouse.gov/omb/inforeg/statpolicy.html)
11. Heck KE, Parker JD, McKendry CJ, Chavez GF. Mind the Gap: Bridge Methods to Allocate Multiple-Race Mothers in Trend Analysis of Birth Certificate Data. *Maternal and Child Health Journal* 2003. Vol. 7, No. 1: 65-70.
12. Heck KE, Parker JD, McKendry CJ, Schoendorf KC. Multiple-race mothers on the California birth certificate, 2000. *Ethnicity and Disease* 2001; 11(3): 626-632.
13. National Center for Health Statistics. Instruction Manual, Part 9. Available at: [www.cdc.gov/nchs/about/major/dvs/im.htm](http://www.cdc.gov/nchs/about/major/dvs/im.htm)



## 7. STATISTICAL APPENDIX

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# DEFINITIONS

The following is a glossary of technical terms used in this report:

**Place of Occurrence:** The place where the event occurred (regardless of place of residence).

**Place of Residence:** The place where a person lives or maintains legal residency. For live births and fetal deaths, the mother's residence is used.

## BIRTHS

**Childbearing Age:** Women 15 through 44 years of age.

**Live Birth:** The complete expulsion or extraction from its mother of a product of conception (irrespective of the duration of pregnancy) which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached. This definition was promulgated by the World Health Organization in 1950 and is set forth in the California Code of Regulations, Title 17, Division 1, Chapter 1, Subchapter 4, Article 4, Section 915.

**Live Birth Order:** The number of live births delivered by this mother including the current birth.

**Low Birthweight:** A live birth or fetal death weighing less than 2,500 grams (5.5 pounds). (Prior to 1979, low birthweight was 2,500 grams or less. This definition complies with a change adopted by the National Center for Health Statistics, beginning with 1979 data.)

**Premature:** A live birth or fetal death occurring before the 37th week of gestation.

**Total Births:** Live births plus fetal deaths.

## DEATHS

**Fetal Death:** A death prior to the complete expulsion or extraction from its mother of a product of conception (irrespective of the duration of pregnancy). The death is indicated by the fact that after such separation, the fetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. This definition was promulgated by the World Health Organization in 1950 and is set forth in the California Code of Regulations, Title 17, Division 1, Chapter 1, Subchapter 4, Article 4, Section 916. If the fetus is of 20 weeks or more gestational age, the death must be registered with the local registrar.

**Late Fetal Death:** A fetal death of 28 weeks or more gestation.

**Infant Death:** A death occurring during the first year of life.

**Neonatal Death:** A death occurring during the first 27 days of life.

**Early Neonatal Death:** A death occurring during the first six days of life.

**Late Neonatal Death:** A death occurring between the seventh day and the 27th day of life.

**Perinatal Death:** Death of a fetus of at least 20 weeks of gestation or of a child under 28 days of life.

**Postneonatal Death:** A death occurring on the 28th day and up to one year of age.

**Maternal Death:** A death resulting from complications of pregnancy or childbirth (ICD-10 Codes O00-O99).

# RATES AND RATIOS

## BIRTH RATES AND RATIOS

$$\text{Age-Specific Birth Rate} = \frac{\text{number of live births to women in specific age group}}{\text{estimated female population in that age group}} \times 1,000$$

$$\text{General Fertility Rate} = \frac{\text{total number of live births regardless of age of mother}}{\text{estimated female population 15-44 years old}} \times 1,000$$

$$\text{Live Birth Rate (Crude Birth Rate)} = \frac{\text{number of live births}}{\text{estimated total population}} \times 1,000$$

$$\text{Total Fertility Rate} = \text{sum of each age-specific birth rate multiplied by the number of years in each age group (e.g., for 5-year groups, 15-19, 20-24, 40-44, the sum of the birth rates for each age group is multiplied by 5).}$$

## DEATH RATES AND RATIOS

$$\text{Age-Adjusted Death Rate (Direct Method)} = \text{See page 175 or Reference 8 in Chapter 6 for methodology of calculating age-adjusted rates}$$

$$\text{Age-Specific Death Rate} = \frac{\text{number of deaths in specific age group}}{\text{estimated population in that age group}} \times 100,000$$

$$\text{Death Rate (Crude Death Rate)} = \frac{\text{number of deaths}}{\text{estimated total population}} \times 1,000^{\dagger}$$

Death Rate from a Specific Cause by Sex or Race/Ethnic Group	=	$\frac{\text{number of deaths from a specific cause}}{\text{estimated population in the group of concern}}$	x 100,000
Fetal Mortality Ratio	=	$\frac{\text{number of reportable fetal deaths}}{\text{total number of live births}}$	x 1,000
Fetal Mortality Rate	=	$\frac{\text{number of reportable fetal deaths}}{\text{total number of births (live births plus fetal deaths)}}$	x 1,000
Infant Mortality Rate	=	$\frac{\text{number of deaths under 1 year of age}}{\text{total number of live births}}$	x 1,000 <sup>†</sup>
Maternal death rate	=	$\frac{\text{number of deaths due to complications of pregnancy and childbirth}}{\text{total number of live births}}$	x 10,000
Neonatal death rate	=	$\frac{\text{number of deaths under 28 days of age}}{\text{total number of live births}}$	x 1,000 <sup>†</sup>
Postneonatal death rate	=	$\frac{\text{number of deaths 28 days of age to less than 1 year of age}}{\text{total number of live births}}$	x 1,000 <sup>†</sup>
Perinatal death rate	=	$\frac{\text{number of fetal deaths of 20 or more weeks gestation, plus neonatal deaths}}{\text{total number of births (live births plus fetal deaths)}}$	x 1,000

<sup>†</sup> or 100,000, as specified.

APPENDIX TABLE A. POPULATION BY RACE/ETHNICITY, AGE, AND SEX, CALIFORNIA, 2000

AGE IN YEARS	TOTAL		HISPANIC		2 OR MORE RACE GROUPS		AMERICAN INDIAN	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	FEMALE
TOTAL	34,043,198	16,962,094	17,081,104	11,082,985	5,673,649	5,409,336	192,753	95,093
UNDER 1	491,073	251,541	239,532	237,496	121,585	115,911	2,114	1,092
1-4	1,990,873	1,018,496	972,377	948,679	484,068	464,611	10,167	5,187
5-14	5,310,526	2,720,715	2,589,811	2,299,957	1,175,384	1,124,573	31,221	15,950
15-24	4,860,696	2,532,547	2,328,149	2,027,816	1,080,868	946,948	29,523	15,222
25-34	5,245,273	2,702,010	2,543,263	2,060,173	1,095,849	964,324	27,859	14,045
35-44	5,499,218	2,780,657	2,718,561	1,604,089	826,047	778,042	33,478	16,332
45-54	4,376,695	2,156,077	2,220,618	941,053	462,923	478,130	28,222	13,455
55-64	2,641,560	1,270,830	1,370,730	481,558	224,626	256,932	16,150	7,762
65-74	1,894,010	858,793	1,035,217	300,409	131,275	169,134	8,411	3,901
75-84	1,294,989	530,932	764,057	141,486	57,595	83,891	4,190	1,699
85+	438,285	139,496	298,789	40,269	13,429	26,840	1,418	448

AGE IN YEARS	ASIAN		BLACK		PACIFIC ISLANDER		WHITE	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	FEMALE
TOTAL	3,746,292	1,803,811	1,942,481	2,222,816	1,090,648	1,132,168	16,047,989	8,117,275
UNDER 1	42,844	21,965	20,879	29,741	15,112	14,629	155,299	75,619
1-4	177,521	91,373	86,148	132,430	67,365	65,065	644,970	313,777
5-14	498,621	257,574	241,047	397,484	201,951	195,533	1,904,163	924,930
15-24	552,160	279,314	272,846	326,641	167,718	158,923	1,794,122	868,767
25-34	642,906	311,655	331,251	331,100	165,044	166,056	2,083,017	1,016,140
35-44	639,658	302,953	336,705	383,161	190,459	192,702	2,742,427	1,398,317
45-54	528,556	245,171	283,385	274,820	132,042	142,778	2,535,616	1,265,745
55-64	300,494	138,840	161,654	164,079	76,569	87,510	1,641,307	804,962
65-74	217,029	93,082	123,947	105,017	46,402	58,615	1,240,624	666,903
75-84	116,423	49,861	66,562	58,654	22,382	36,272	962,896	568,267
85+	30,080	12,023	18,057	19,689	5,604	14,085	343,548	236,672

Source: State of California, Department of Finance, 2000 Population: 2000-2050 Race/Ethnic Population Projections with Age and Sex Detail, May 2004.

APPENDIX TABLE B. POPULATION BY RACE/ETHNICITY, AGE, AND SEX, CALIFORNIA, 2001

AGE IN YEARS	TOTAL		HISPANIC		2 OR MORE RACE GROUPS			AMERICAN INDIAN	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	34,729,740	17,313,858	17,415,882	11,557,941	5,915,745	5,642,196	672,593	329,520	343,073
UNDER 1	518,927	264,741	254,186	253,961	129,573	124,388	33,461	17,091	16,370
1-4	1,960,105	1,002,866	957,239	938,287	479,043	459,244	74,880	38,242	36,638
5-14	5,377,327	2,755,213	2,622,114	2,385,392	1,219,250	1,166,142	162,668	82,283	80,385
15-24	4,956,819	2,584,393	2,372,426	2,090,373	1,113,138	977,235	116,026	56,854	59,172
25-34	5,284,524	2,720,908	2,563,616	2,148,856	1,142,461	1,006,395	81,970	39,499	42,471
35-44	5,566,274	2,820,571	2,745,703	1,698,401	876,555	821,846	78,364	37,581	40,783
45-54	4,552,753	2,244,282	2,308,471	1,013,711	498,885	514,826	58,546	27,650	30,896
55-64	2,774,474	1,337,024	1,437,450	515,325	240,811	274,514	32,885	15,522	17,363
65-74	1,920,122	876,170	1,043,952	315,002	138,023	176,979	19,604	9,025	10,579
75-84	1,341,150	551,924	789,226	153,901	62,845	91,056	10,771	4,579	6,192
85+	477,265	155,766	321,499	44,732	15,161	29,571	3,418	1,194	2,224

AGE IN YEARS	ASIAN		BLACK		PACIFIC ISLANDER		WHITE	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE
TOTAL	3,860,687	1,861,165	1,999,522	2,275,847	1,117,664	1,158,183	16,029,331	7,925,020
UNDER 1	47,353	24,180	23,173	28,498	14,527	13,971	153,306	78,168
1-4	175,354	90,196	85,158	129,558	65,928	63,630	624,482	320,442
5-14	506,076	261,333	244,743	405,206	205,997	199,209	1,862,124	957,903
15-24	558,118	283,682	274,436	341,761	176,140	165,621	1,796,019	926,636
25-34	652,150	316,603	335,547	328,784	162,827	165,957	2,022,119	1,034,396
35-44	654,655	311,736	342,919	390,384	194,372	196,012	2,687,568	1,372,319
45-54	559,132	259,407	299,725	289,801	140,000	149,801	2,585,433	1,296,139
55-64	317,844	147,600	170,244	170,354	79,371	90,983	1,711,671	840,997
65-74	226,106	97,488	128,618	108,917	48,723	60,194	1,236,729	576,477
75-84	127,700	54,562	73,138	60,927	23,448	37,479	981,305	403,775
85+	36,199	14,378	21,821	21,657	6,331	15,326	368,575	117,768

Source: State of California, Department of Finance, 2001 Population: 2000-2050 Race/Ethnic Population Projections with Age and Sex Detail, May 2004.





APPENDIX TABLE D. POPULATION BY RACE/ETHNICITY, AGE, AND SEX, CALIFORNIA, 2003

AGE IN YEARS	TOTAL		HISPANIC		2 OR MORE RACE GROUPS		AMERICAN INDIAN	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	FEMALE
TOTAL	35,934,967	17,938,419	17,996,548	12,425,543	6,356,240	6,069,303	256,454	130,904
UNDER 1	531,434	271,162	260,272	265,727	135,553	130,174	3,180	1,551
1-4	2,008,528	1,026,713	981,815	972,443	496,688	475,755	9,091	4,399
5-14	5,420,822	2,777,200	2,643,622	2,487,194	1,271,424	1,215,770	41,585	20,536
15-24	5,160,658	2,691,409	2,469,249	2,211,661	1,170,782	1,040,879	41,597	20,327
25-34	5,246,137	2,705,863	2,540,274	2,282,378	1,215,342	1,067,036	34,537	17,380
35-44	5,648,662	2,870,936	2,777,726	1,872,178	969,722	902,456	41,759	21,481
45-54	4,819,832	2,382,693	2,437,139	1,159,100	572,129	586,971	39,151	20,537
55-64	3,146,705	1,520,342	1,626,363	595,540	279,290	316,250	24,166	12,626
65-74	1,997,161	921,535	1,075,626	344,493	151,957	192,536	11,703	6,249
75-84	1,414,654	587,119	827,535	180,074	74,189	105,885	6,213	3,609
85+	540,374	183,447	356,927	54,755	19,164	35,591	3,472	2,209

AGE IN YEARS	ASIAN		BLACK		PACIFIC ISLANDER		WHITE	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	FEMALE
TOTAL	3,920,390	1,895,371	2,025,019	2,397,288	1,180,793	1,216,495	16,096,065	8,128,772
UNDER 1	49,099	25,103	23,996	32,376	16,503	15,873	168,928	82,747
1-4	181,821	93,219	88,602	122,874	62,658	60,216	608,995	297,559
5-14	500,584	258,445	242,139	415,801	211,605	204,196	1,786,666	867,819
15-24	547,727	281,307	266,420	379,857	197,146	182,711	1,831,860	884,515
25-34	609,005	297,832	311,173	329,285	162,507	166,778	1,885,206	923,277
35-44	654,269	313,201	341,068	401,674	200,729	200,945	2,579,091	1,260,331
45-54	590,179	275,078	315,101	319,425	155,654	163,771	2,633,665	1,309,908
55-64	356,471	166,544	189,927	190,319	88,453	101,866	1,933,678	981,140
65-74	236,933	103,366	133,567	117,685	53,462	64,223	1,259,989	665,004
75-84	146,599	62,184	84,415	63,864	24,858	39,006	1,003,097	586,284
85+	47,703	19,092	28,611	24,128	7,218	16,910	404,890	270,188

Source: State of California, Department of Finance, 2003 Population: 2000-2050 Race/Ethnic Population Projections with Age and Sex Detail, May 2004.

APPENDIX TABLE E. NUMBER AND PERCENT OF DEATHS BY YEARS OF EDUCATION AND EDUCATION LEVEL COMPLETED  
California, 2000-2003 (By Place of Residence)

YEARS OF EDUCATION	YEAR OF DEATH						EDUCATION LEVEL COMPLETED	YEAR OF DEATH	
	2000		2001		2002			2003	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT		NUMBER	PERCENT
TOTAL	228,281	100.0	232,790	100.0	233,246	100.0	239,325	100.0	
NONE	6,281	2.8	6,415	2.8	6,439	2.8	38,185	16.5	
1	363	0.2	370	0.2	407	0.2	37,675	16.3	
2	954	0.4	976	0.4	1,004	0.4	73,874	32.0	
3	2,395	1.1	2,446	1.1	2,436	1.1	35,996	15.6	
4	1,891	0.9	1,843	0.8	1,971	0.9	9,641	4.2	
5	1,898	0.9	1,859	0.8	1,764	0.8	23,149	10.0	
6	8,519	3.8	8,779	3.9	8,703	3.8	8,081	3.5	
7	2,195	1.0	2,248	1.0	2,168	1.0	4,151	1.8	
8	14,182	6.4	13,843	6.1	13,077	5.8	8,573		
Subtotal 0-8th Grades	38,678	17.4	38,779	17.2	37,969	16.7			
9	4,999	2.3	5,271	2.3	5,143	2.3			
10	9,742	4.4	9,749	4.3	9,549	4.2			
11	6,973	3.1	7,003	3.1	7,132	3.1			
12	85,348	38.5	86,873	38.4	87,531	38.6			
Subtotal 9th-12th Grades	107,062	48.3	108,896	48.2	109,355	48.2			
13	8,109	3.7	8,422	3.7	8,596	3.8			
14	25,466	11.5	26,534	11.7	27,013	11.9			
15	5,290	2.4	5,235	2.3	5,252	2.3			
16	22,870	10.3	23,463	10.4	23,620	10.4			
17	14,310	6.5	14,770	6.5	15,119	6.7			
UNKNOWN	6,496		6,691		6,322				

Note: Unknown years of education were subtracted from totals prior to calculation of percentages.  
Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Death Records.

## 8. APPENDIX OF SOURCES

### CERTIFICATES, WORK SHEETS, AND LISTS OF VARIABLES

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FIGURE 8-A  
CERTIFICATE OF LIVE BIRTH  
2004

<b>CERTIFICATE OF LIVE BIRTH</b> <b>STATE OF CALIFORNIA</b> <small>USE BLACK INK ONLY</small>																	
STATE FILE NUMBER						LOCAL REGISTRATION DISTRICT AND CERTIFICATE NUMBER											
<b>THIS CHILD</b>	1A. NAME OF CHILD — FIRST (GIVEN)				1B. MIDDLE		1C. LAST (FAMILY)										
	2. SEX	3A. THIS BIRTH, SINGLE, TWIN, ETC.		3B. IF MULTIPLE, THIS CHILD 1ST, 2ND, ETC.		4A. DATE OF BIRTH — MM/DD/CCYY			4B. HOUR — (24 HOUR CLOCK TIME)								
<b>PLACE OF BIRTH</b>	5A. PLACE OF BIRTH — NAME OF HOSPITAL OR FACILITY					5B. STREET ADDRESS — STREET, NUMBER, OR LOCATION											
	5C. CITY					5D. COUNTY			5E. PLANNED PLACE OF BIRTH								
<b>FATHER OF CHILD</b>	6A. NAME OF FATHER — FIRST (GIVEN)				6B. MIDDLE		6C. LAST (FAMILY)			7. STATE OF BIRTH		8. DATE OF BIRTH					
<b>MOTHER OF CHILD</b>	9A. NAME OF MOTHER — FIRST (GIVEN)				9B. MIDDLE		9C. LAST (MAIDEN)			10. STATE OF BIRTH		11. DATE OF BIRTH					
<b>INFORMANT CERTIFICATION</b>	I CERTIFY THAT I HAVE REVIEWED THE STATED INFORMATION AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.					12A. PARENT OR OTHER INFORMANT — SIGNATURE				12B. RELATIONSHIP TO CHILD		12C. DATE SIGNED					
<b>CERTIFICATION OF BIRTH</b>	I CERTIFY THAT THE CHILD WAS BORN ALIVE AT THE DATE, HOUR AND PLACE STATED.					13A. ATTENDANT OR CERTIFIER — SIGNATURE — DEGREE OR TITLE				13B. LICENSE		13C. DATE SIGNED					
	13D. TYPED NAME, TITLE AND MAILING ADDRESS OF ATTENDANT					13D. TYPED NAME				13D. CERTIFIER IF OTHER THAN ATTENDANT							
<b>LOCAL REGISTRAR</b>	15A. DATE OF DEATH		15B. STATE FILE NO. (STATE USE ONLY)		16. LOCAL REGISTRAR SIGNATURE		17. DATE ACCEPTED FOR REGISTRATION										
<b>CONFIDENTIAL FOR PUBLIC HEALTH USE ONLY</b>																	
<b>FATHER</b>	18. RACE				19. HIGHEST GRADE OF SCHOOL COMPLETED		20. USUAL OCCUPATION			20B. USUAL BUSINESS OR INDUSTRY		20C. EDUCATION					
<b>MOTHER</b>	21. RACE				22. HIGHEST GRADE OF SCHOOL COMPLETED		23A. USUAL OCCUPATION			23B. USUAL BUSINESS OR INDUSTRY		23C. EDUCATION					
	24A. RESIDENCE — STREET, NAME OF CITY					24B. COUNTY											
	24C. CITY					24D. STATE			24E. ZIP CODE								
<b>MEDICAL DATA</b> <small>ENTER THE APPROPRIATE CODE(S) FOR ITEMS 25D AND 28A THRU 31 FROM THE VS10A SUPPLEMENTAL WORKSHEET.</small>	25A. DATE LAST NORMAL MENSTRUATION BEGAN				25B. MONTH PRENATAL CARE BEGAN		25C. NUMBER OF PRENATAL VISITS		27. PREGNANCY HISTORY (COMPLETE EACH SECTION)								
	25D. PRINCIPAL SOURCE OF PAYMENT FOR PRENATAL CARE				26. BIRTHWEIGHT		28A. METHOD OF DELIVERY		LIVE BIRTHS (DO NOT COUNT THIS CHILD)		OTHER TERMINATIONS (EXCLUDE INDUCED ABORTIONS)						
	28B. EXPECTED PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY				29. COMPLICATIONS AND PROCEDURES OF PREGNANCY AND CONCURRENT ILLNESSES				NOW LIVING		NOW DEAD						
									A		B						
									C		D						
30. COMPLICATIONS AND PROCEDURES OF LABOR AND DELIVERY						31. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATED TO THE NEWBORN											
A.		B.		C.		D.		E.		F.		CENSUS TRACT		32. FATHER'S SOCIAL SECURITY NO.		33. MOTHER'S SOCIAL SECURITY NO.	

VS 100 (REV. 1/00)

**PRIVACY NOTIFICATION**

This information is collected by the State of California, Department of Health Services, Office of Vital Records, 304 S Street, Sacramento, CA 95814. The information is required by Division 102 of the Health and Safety Code. This record is open to public access except where prohibited by statute. Every element on this form, except items 18 through 23C, 32, and 33, is mandatory. Failure to comply is a misdemeanor. The principal purposes of this record are to: 1) Establish a legal record of each vital event; 2) Provide certified copies for personal use; 3) Furnish information for demographic and epidemiological studies; and 4) Supply data to the National Center for Health Statistics for federal reports. Items 32 and 33 are included pursuant to Section 102425(b)(14) of the Health and Safety Code, and may be used for child support enforcement purposes.

**Definition of Live Birth**

"Live Birth" means the complete expulsion or extraction from its mother of a product of conception (irrespective of duration of pregnancy) which, after such separation, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

FIGURE 8-B  
 CERTIFICATE OF LIVE BIRTH – MEDICAL DATA SUPPLEMENTAL WORK SHEET  
 2004

State of California—Health and Welfare Agency

Department of Health Services

**CERTIFICATE OF LIVE BIRTH—MEDICAL DATA SUPPLEMENTAL WORK SHEET**  
**(For Hospital Use Only)**

**USE THE CODES CIRCLED ON THIS WORK SHEET FOR THE APPROPRIATE ENTRY**  
**IN ITEMS NUMBERED 25D AND 28A THROUGH 31 ON THE "CERTIFICATE OF LIVE BIRTH"**

**Item 25D. PRINCIPAL SOURCE OF PAYMENT FOR PRENATAL CARE (Circle one code only.)**

- |  |                                 |
|--|---------------------------------|
| 01 Medicare  | 09 Self pay                     |
| 02 Medi-Cal (except CPS Program)                       | 10 No charge                    |
| 03 Workers' compensation                               | 11 Other nongovernment programs |
| 04 Title V (MCH funds)                                 | 12 Medically indigent           |
| 05 Other government programs                           | 13 Medi-Cal CPS Program         |
| 06 Blue Cross/Blue Shield                              | 00 No prenatal care             |
| 07 Private insurance company                           | 99 Unknown                      |
| 08 Health maintenance organization/prepaid health plan |                                 |

**Item 28A. METHOD OF DELIVERY (Circle up to three codes.)**

Allowable code combinations are: 03 and 04, 04 and 05, 04 and 06, 05 and 06; and 04, 05, and 06.

- |                              |  |
|------------------------------|--|
| 01 Cesarean section—primary  | 04 Vaginal birth—after previous cesarean section |
| 02 Cesarean section—repeat   | 05 Vaginal birth—forceps                         |
| 03 Vaginal birth—spontaneous | 06 Vaginal birth—vacuum                          |

**Item 28B. EXPECTED PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY (Circle one code only.)**

- |  |                                 |
|--|---------------------------------|
| 01 Medicare  | 09 Self pay                     |
| 02 Medi-Cal  | 10 No charge                    |
| 03 Workers' compensation                               | 11 Other nongovernment programs |
| 04 Title V (MCH funds)                                 | 12 Medically indigent           |
| 05 Other government programs                           | 00 Medically unattended birth   |
| 06 Blue Cross/Blue Shield                              | 99 Unknown                      |
| 07 Private insurance company                           |                                 |
| 08 Health maintenance organization/prepaid health plan |                                 |

**Item 29. COMPLICATIONS AND PROCEDURES OF PREGNANCY AND CONCURRENT ILLNESSES**  
**(Circle up to 16 codes for the most important complications/procedures.)**

- |  |  |
|--|--|
| 01 Preeclampsia (pregnancy-induced hypertension) | 18 Hepatitis B (acute infection or carrier)  |
| 02 Eclampsia (convulsions or coma)               | 19 Rubella   |
| 03 Hypertension, chronic                         | 20 Tobacco use during pregnancy  |
| 04 Renal disease                                 | Codes 21, 22, and 23 apply to any previous live birth or fetal death (single or multiple): |
| 05 Pyelonephritis                                | 21 ≥ 4000 grams birthweight  |
| 06 Anemia (hct. < 30 and/or hgb. < 10)           | 22 < 2500 grams birthweight  |
| 07 Cardiac disease                               | 23 < 37 weeks gestation  |
| 08 Lung disease, acute or chronic                | 24 Cervical cerclage   |
| 09 Diabetes                                      | 25 Chorionic villus sampling   |
| 10 Rh sensitization                              | 26 Amniocentesis   |
| 11 Hemoglobinopathy                              | 27 Electronic fetal monitoring   |
| 12 Uterine bleeding before labor                 | 28 Tocolysis   |
| 13 Polyhydramnios/oligohydramnios                | 29 Ultrasound  |
| 14 Incompetent cervix (with or without cerclage) | 30 Other   |
| 15 Premature labor                               | 00 None  |
| 16 Genital herpes                                |  |
| 17 Other sexually transmitted diseases           |  |

**Item 30. COMPLICATIONS AND PROCEDURES OF LABOR AND DELIVERY**  
**(Circle up to nine codes for the most important complications/procedures.)**

- |  |   |
|--|---|
| 01 Preeclampsia (pregnancy-induced hypertension) | 18 Febrile (> 100° F. or > 38° C.)                              |
| 02 Eclampsia (convulsions or coma)               | 19 Presence of meconium, moderate/heavy                         |
| 03 Seizures during labor                         | 20 Cord prolapse  |
| 04 Fetopelvic disproportion                      | 21 Fetal distress   |
| 05 Shoulder dystocia                             | 22 Anesthetic complications                                     |
| 06 Breech or other abnormal presentation         | 23 Unsuccessful attempt at vaginal birth after cesarean section |
| 07 Precipitous labor (< 3 hours)                 | 24 Maternal blood transfusion                                   |
| 08 Prolonged labor (> 20 hours)                  | 25 Transport of mother from another facility prior to delivery  |
| 09 Other dysfunctional labor                     | 26 Amniocentesis  |
| 10 Premature rupture of membrane (> 12 hours)    | 27 Electronic fetal monitoring                                  |
| 11 Induction of labor                            | 28 Tocolysis  |
| 12 Stimulation of labor                          | 29 Ultrasound   |
| 13 Abruptio placenta                             | 30 Maternal death (within 72 hours of delivery)                 |
| 14 Placenta previa                               | 31 Other  |
| 15 Other excessive bleeding                      | 00 None   |
| 16 Genital herpes                                |   |
| 17 Amnionitis/sepsis                             |   |

**Item 31. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATING TO THE NEWBORN (Circle codes on reverse.)**

**Do not enter any identification by patient name or number on this work sheet. Discard after use.**  
**Do not retain in medical records or submit with the "Certificate of Live Birth."**

FIGURE 8-B – Continued  
 CERTIFICATE OF LIVE BIRTH –MEDICAL DATA SUPPLEMENTAL WORK SHEET  
 2004

**CERTIFICATE OF LIVE BIRTH, MEDICAL DATA SUPPLEMENTAL WORK SHEET (Continued)**

**Item 31. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATING TO THE NEWBORN**  
*(Circle up to ten codes for the most important conditions/procedures.)*

**CENTRAL NERVOUS SYSTEM (CNS)**

- 01 Anencephalus (740.0), with or without spina bifida. Include craniorachischisis (740.1) and infencephaly (740.2).
- 02 Open spina bifida (741.0, 741.9). If hydrocephalus is also present, enter code 05 in addition to code 02.
- 03 Encephalocele (742.0).
- 04 Microcephalus (742.1).
- 05 Hydrocephalus (741.0, 742.3). If spina bifida is also present, enter code 02 in addition to code 05.
- 06 Other anomalies of central nervous system (remainder of 740–742).

**EYE**

- 07 Anophthalmos (743.0).
- 08 Congenital cataract (743.3).
- 09 Coloboma (743.4). Exclude other anomalies of anterior segments.
- 10 Other anomalies of eye (remainder of 743).

**EAR, FACE, NECK**

- 11 Branchial clefts (cyst, sinus, and/or fistula) (744.4).
- 12 Other anomalies of ear, face, and/or neck (remainder of 744).

**CIRCULATORY SYSTEM**

- 13 Truncus arteriosus (745.0).
- 14 Transposition of great vessels (745.1).
- 15 Tetralogy of Fallot (745.2).
- 16 Ventricular septal defect (VSD) (745.4).
- 17 Atrial septal defect (ASD) (745.5).
- 18 Endocardial cushion defects (745.6).
- 19 Valve stenosis and/or insufficiency (746.0–746.6).
- 20 Hypoplastic left heart syndrome (746.7).
- 21 Other anomalies of heart (remainder of 745–746).
- 22 Patent ductus arteriosus (747.0).
- 23 Coarctation of aorta (747.1).
- 24 Other anomalies of circulatory system (remainder of 747).

**RESPIRATORY SYSTEM**

- 25 Choanal atresia (748.0).
- 26 Agenesis, hypoplasia, or dysplasia of lung (748.5).
- 27 Other anomalies of respiratory system (remainder of 748).

**CLEFT PALATE, LIP**

- 28 Cleft palate (749.0).
- 29 Cleft lip (749.1).
- 30 Cleft palate with cleft lip (749.2).

**DIGESTIVE SYSTEM**

- 31 Tracheo-esophageal fistula, or esophageal atresia or stenosis (750.3).
- 32 Atresia or stenosis of small intestine (751.1).
- 33 Atresia or stenosis of large intestine, rectum, and/or anal canal (751.2).
- 34 Other anomalies of digestive system (remainder of 750–751).

**GENITOURINARY SYSTEM**

- 35 Hypospadias or epispadias (752.6).
- 36 Indeterminate sex or pseudohermaphroditism (752.7).
- 37 Other anomalies of genital system (remainder of 752).
- 38 Renal agenesis (753.0).
- 39 Cystic kidney disease (753.1).
- 40 Congenital ureteral obstruction (753.2).
- 41 Exstrophy of urinary bladder (753.5).
- 42 Other anomalies of urinary system (remainder of 753).

**MUSCULOSKELETAL DEFORMITIES**

- 43 Hip dislocation without CNS (754.3).
- 44 Talipes (754.5–754.7).
- 45 Preaxial polydactyly (accessory thumbs) (part of 755.0). Exclude skin tags.
- 46 Other polydactyly (remainder of 755.0). Exclude skin tags.
- 47 Syndactyly of fingers and/or toes (755.1).
- 48 Missing fingers and/or toes (part of 755.2; part of 755.3).
- 49 Other missing extremity, partial or complete (remainder of 755.2–755.4).
- 50 Craniosynostosis (part of 756.0). Exclude acrocephaly, hypertelorism, and oxycephaly.
- 51 Chondrodystrophy (756.4).

**MUSCULOSKELETAL DEFORMITIES (Continued)**

- 52 Anomalies of diaphragm (756.6).
- 53 Gastroschisis, exomphalos, or omphalocele (756.7, 551.1, 552.1, 553.1). Exclude simple umbilical hernia.
- 54 Other anomalies of musculoskeletal system (remainder of 754–756).
- 55 SKIN, NAILS, HAIR (757.0–757.9).
- 56 VISIBLE AMNIOTIC BANDS (Amniotic band syndrome affecting the child) (658.8).

**CHROMOSOMAL ANOMALIES**

- 57 Down's syndrome (trisomy 21) (758.0).
- 58 Other autosomal trisomies (758.1, 758.2, 758.5). Include Patau's syndrome (trisomy 13), Edwards' syndrome (trisomy 18), and other autosomal trisomies.
- 59 Abnormalities of sex chromosomes (758.6–758.8). Include Turner's syndrome and Klinefelter's syndrome.
- 60 Other conditions due to chromosome anomalies (remainder of 758).
- 61 MULTIPLE NONSPECIFIC ANOMALIES (759.7).
- 62 OTHER AND UNSPECIFIED CONGENITAL ANOMALIES (remainder of 759).

**OTHER CONDITIONS AND PROCEDURES**

- 63 Anemia (hct. <39 and/or hgb. <13): due to Rh antibodies (730.0); due to ABO antibodies (773.1) due to fetal blood loss (776).
- 64 Fetal alcohol syndrome (part of 760.7).
- 65 Drug withdrawal syndrome (779.5).
- 66 Birth injury, with or without specific site (767.0–767.9).
- 67 Hyaline membrane disease or RDS (769).
- 68 Meconium aspiration syndrome (770.1).
- 69 Congenital rubella syndrome (771.0).
- 70 Seizures (779.0).
- 71 Assisted ventilation <30 min. (Procedure; no ICD 9 code).
- 72 Assisted ventilation ≥30 min. (Procedure; no ICD 9 code).
- 73 Neonatal Intensive Care Unit (NICU) (>24 hours; <24 hours if infant died). (Procedure; no ICD 9 code).
- 74 Transfer of newborn to another facility. (Procedure; no ICD 9 code).
- 75 Other
- 00 None

FIGURE 8-C  
STATISTICAL INFORMATION AVAILABLE  
FOR LIVE BIRTHS, 2004

VARIABLE	CERTIFICATE ITEM NUMBER
<b>THIS CHILD</b>	
Name of child (first, middle, last)	1A, B, C
Sex of child	2
Single, twin, triplet, quadruplet, quintuplet, or more	3A
If multiple birth, birth order	3B
Date of birth (month, day, year)	4A
Time of birth	4B
Type of attendant	13A
<b>PLACE OF DELIVERY</b>	
Hospital or facility	5A
County of occurrence	5D
Planned place of delivery	5E
<b>MOTHER OF CHILD</b>	
Name (first, maiden surname)	9A, C
State of birth	10
Date of birth	11
Age	11
Race	21
Hispanic origin	22
Years of education	23C
Residence (county, state, zip code)	24B, D, E
<b>FATHER OF CHILD</b>	
Last name	6C
Date of birth	8
Age	8
Race	18
Hispanic origin	19
Years of education	20C
<b>MEDICAL AND HEALTH DATA</b>	
Completed days of gestation	4A, 25A
Date of death, if infant died	15A
Date last normal menses began	25A
Month of pregnancy prenatal care began	25B
Number of prenatal visits	25C
Principal source of payment for prenatal care	25D
Birthweight (in grams)	26
Previous deliveries to this mother	27A, B, D, E
Date of last live birth	27C
Date of last termination	27F
Method of delivery	28A
Expected source of payment for delivery	28B
Complications of pregnancy and concurrent illnesses	29
Complications of labor and delivery	30
Abnormal conditions of newborn	31



FIGURE 8-D  
 CERTIFICATE OF FETAL DEATH  
 2004

CERTIFICATE OF FETAL DEATH STATE OF CALIFORNIA <small>USE BLACK INK ONLY MAKE NO ERASURES, WHITEOUTS, OR OTHER ALTERATIONS</small>												
STATE FILE NUMBER			LOCAL REGISTRATION DISTRICT AND CERTIFICATE NUMBER									
<b>THIS FETUS</b>	1A. NAME—FIRST (GIVEN)			1B. MIDDLE		1C. LAST (FAMILY)						
	2. SEX	3A. THIS FETUS, SINGLE, TWIN, ETC.	3B. IF MULTIPLE THIS FETUS 1ST, 2ND, ETC.	4A. DATE OF EVENT—MONTH, DAY, YEAR			4B. HOUR—24 HOUR CLOCK TIME					
<b>PLACE OF DELIVERY</b>	5A. PLACE OF EVENT—NAME OF HOSPITAL OR FACILITY				5B. STREET ADDRESS—STREET, NUMBER, OR LOCATION							
	5C. CITY				5D. COUNTY			5E. PLANNED PLACE OF DELIVERY				
<b>FATHER</b>	6A. NAME OF FATHER—FIRST (GIVEN)		6B. MIDDLE		6C. LAST (FAMILY)			7. STATE OF BIRTH		8. DATE OF BIRTH—MONTH, DAY, YEAR		
<b>MOTHER</b>	9A. NAME OF MOTHER—FIRST (GIVEN)		9B. MIDDLE		9C. LAST (MAIDEN)			10. STATE OF BIRTH		11. DATE OF BIRTH—MONTH, DAY, YEAR		
<b>CERTIFICATION</b>	I CERTIFY THAT THIS FETUS WAS BORN DEAD AT THE HOUR, DATE AND PLACE STATED FROM THE CAUSES STATED.			12A. SIGNATURE OF PHYSICIAN, CORONER, OR DEPUTY CORONER		12B. DEGREE OR TITLE AND TYPED NAME		12C. DATE SIGNED		12D. LICENSE NUMBER		
<b>FUNERAL DIRECTOR AND LOCAL REGISTRAR</b>	13A. DISPOSITION(S)		13B. PLACE OF DISPOSITION—NAME AND ADDRESS			13C. DATE MO, DAY, YEAR		14A. SIGNATURE		14B. LICENSE NUMBER		
	15A. NAME OF FUNERAL DIRECTOR (OR PERSON ACTING AS SUCH)			15B. LICENSE NUMBER		16. LOCAL REGISTRAR		17. REGISTRATION DATE				
<b>CAUSE OF DEATH</b>	18. FETAL DEATH WAS CAUSED BY:											
	IMMEDIATE CAUSE (A) <input type="checkbox"/> YES <input type="checkbox"/> NO											
	DUE TO (B) <input type="checkbox"/> YES <input type="checkbox"/> NO											
	DUE TO (C) <input type="checkbox"/> YES <input type="checkbox"/> NO											
21. OTHER CONDITIONS OF FETUS OR MOTHER—CONTRIBUTING TO FETAL DEATH BUT NOT RELATED TO CAUSE GIVEN IN 18.												
<b>FATHER</b>	22. RACE		23. HISPANIC SPECIFY <input type="checkbox"/> YES <input type="checkbox"/> NO		24A. USUAL OCCUPATION		24B. USUAL KIND OF BUSINESS OR INDUSTRY		24C. EDUCATION—YRS. COMPLETED			
	25. RACE		26. HISPANIC SPECIFY <input type="checkbox"/> YES <input type="checkbox"/> NO		27A. USUAL OCCUPATION		27B. USUAL KIND OF BUSINESS OR INDUSTRY		27C. EDUCATION—YRS. COMPLETED			
<b>MOTHER</b>	28A. RESIDENCE—STREET, NUMBER, OR LOCATION				28B. CITY		28C. STATE		28D. ZIP		28E. COUNTY	
	29A. DATE LAST NORMAL MENSTRUATION BEGAN MONTH DAY YEAR		29B. MONTH PRENATAL CARE BEGAN (1ST, 2ND, ... 8TH, 9TH)		29C. NUMBER OF PRENATAL VISITS		31. PREGNANCY HISTORY (COMPLETE EACH SECTION)					
<b>MEDICAL DATA</b> <small>(ENTER THE APPROPRIATE CODE(S) FOR ITEMS 29D AND 32A-35 FROM THE VS 12A SUPPLEMENTAL WORKSHEET.)</small>	29D. PRINCIPAL SOURCE OF PAYMENT FOR PRENATAL CARE CODE:		30. FETAL WEIGHT GRAMS		32A. METHOD OF DELIVERY CODE(S):		NOW LIVING (NUMBER)		NOW DEAD (NUMBER)		OTHER TERMINATIONS (EXCLUDE INDUCED ABORTIONS)	
	32B. EXPECTED PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY CODE:		33. COMPLICATIONS AND PROCEDURES OF PREGNANCY AND CONCURRENT ILLNESSES CODE(S):		35. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATING TO THE FETUS CODE(S):		DATE OF LAST LIVE BIRTH MONTH DAY YEAR		DATE OF LAST OTHER TERM. MONTH YEAR		DATE OF LAST OTHER TERM. MONTH YEAR	
	34. COMPLICATIONS AND PROCEDURES OF LABOR AND DELIVERY CODE(S):		35. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATING TO THE FETUS CODE(S):		DATE OF LAST LIVE BIRTH MONTH DAY YEAR		DATE OF LAST OTHER TERM. MONTH YEAR		DATE OF LAST OTHER TERM. MONTH YEAR		DATE OF LAST OTHER TERM. MONTH YEAR	
	34. COMPLICATIONS AND PROCEDURES OF LABOR AND DELIVERY CODE(S):		35. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATING TO THE FETUS CODE(S):		DATE OF LAST LIVE BIRTH MONTH DAY YEAR		DATE OF LAST OTHER TERM. MONTH YEAR		DATE OF LAST OTHER TERM. MONTH YEAR		DATE OF LAST OTHER TERM. MONTH YEAR	
STATE REGISTRAR A. B. C. D. E. F. CENSUS TRACT												

VS 12 (REV 7/91)      PENALTY FOR UNAUTHORIZED RELEASE, \$500 FINE OR SIX MONTHS IMPRISONMENT.      OSP 00 36252



FIGURE 8-E  
 CERTIFICATE OF FETAL DEATH – MEDICAL DATA SUPPLEMENTAL WORK SHEET  
 2004

State of California—Health and Welfare Agency

Department of Health Services

**CERTIFICATE OF FETAL DEATH —MEDICAL DATA SUPPLEMENTAL WORK SHEET**  
**(For Hospital Use Only)**

**USE THE CODES CIRCLED ON THIS WORK SHEET FOR THE APPROPRIATE ENTRY**  
**IN ITEMS NUMBERED 29D AND 32A THROUGH 35 ON THE "CERTIFICATE OF FETAL DEATH"**

**Item 29D. PRINCIPAL SOURCE OF PAYMENT FOR PRENATAL CARE (Circle one code only.)**

- |  |                                 |
|--|---------------------------------|
| 01 Medicare  | 09 Self pay                     |
| 02 Medi-Cal (except CPS Program)                       | 10 No charge                    |
| 03 Workers' compensation                               | 11 Other nongovernment programs |
| 04 Title V (MCH funds)                                 | 12 Medically indigent           |
| 05 Other government programs                           | 13 Medi-Cal CPS Program         |
| 06 Blue Cross/Blue Shield                              | 00 No prenatal care             |
| 07 Private insurance company                           | 99 Unknown                      |
| 08 Health maintenance organization/prepaid health plan |                                 |

**Item 32A. METHOD OF DELIVERY (Circle up to three codes.)**

**Allowable code combinations are: 03 and 04, 04 and 05, 04 and 06, 05 and 06; and 04, 05, and 06.**

- |                              |  |
|------------------------------|--|
| 01 Cesarean section—primary  | 04 Vaginal birth—after previous cesarean section |
| 02 Cesarean section—repeat   | 05 Vaginal birth—forceps                         |
| 03 Vaginal birth—spontaneous | 06 Vaginal birth—vacuum                          |

**Item 32B. EXPECTED PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY (Circle one code only.)**

- |  |                                 |
|--|---------------------------------|
| 01 Medicare  | 09 Self pay                     |
| 02 Medi-Cal  | 10 No charge                    |
| 03 Workers' compensation                               | 11 Other nongovernment programs |
| 04 Title V (MCH funds)                                 | 12 Medically indigent           |
| 05 Other government programs                           | 00 Medically unattended birth   |
| 06 Blue Cross/Blue Shield                              | 99 Unknown                      |
| 07 Private insurance company                           |                                 |
| 08 Health maintenance organization/prepaid health plan |                                 |

**Item 33. COMPLICATIONS AND PROCEDURES OF PREGNANCY AND CONCURRENT ILLNESSES**  
**(Circle up to 16 codes for the most important complications/procedures.)**

- |  |  |
|--|--|
| 01 Preeclampsia (pregnancy-induced hypertension) | 18 Hepatitis B (acute infection or carrier)  |
| 02 Eclampsia (convulsions or coma)               | 19 Rubella   |
| 03 Hypertension, chronic                         | 20 Tobacco use during pregnancy  |
| 04 Renal disease                                 |  |
| 05 Pyelonephritis                                | Codes 21, 22, and 23 apply to any previous live birth or fetal death (single or multiple): |
| 06 Anemia (hct. < 30 and/or hgb. < 10)           | 21 ≥ 4000 grams birthweight  |
| 07 Cardiac disease                               | 22 < 2500 grams birthweight  |
| 08 Lung disease, acute or chronic                | 23 < 37 weeks gestation  |
| 09 Diabetes                                      | 24 Cervical cerclage   |
| 10 Rh sensitization                              | 25 Chorionic villus sampling   |
| 11 Hemoglobinopathy                              | 26 Amniocentesis   |
| 12 Uterine bleeding before labor                 | 27 Electronic fetal monitoring   |
| 13 Polyhydramnios/oligohydramnios                | 28 Tocolysis   |
| 14 Incompetent cervix (with or without cerclage) | 29 Ultrasound  |
| 15 Premature labor                               | 30 Other   |
| 16 Genital herpes                                | 00 None  |
| 17 Other sexually transmitted diseases           |  |

**Item 34. COMPLICATIONS AND PROCEDURES OF LABOR AND DELIVERY**  
**(Circle up to nine codes for the most important complications/procedures.)**

- |  |   |
|--|---|
| 01 Preeclampsia (pregnancy-induced hypertension) | 18 Febrile (> 100° F. or > 38° C.)                              |
| 02 Eclampsia (convulsions or coma)               | 19 Presence of meconium, moderate/heavy                         |
| 03 Seizures during labor                         | 20 Cord prolapse  |
| 04 Fetopectic disproportion                      | 21 Fetal distress   |
| 05 Shoulder dystocia                             | 22 Anesthetic complications                                     |
| 06 Breech or other abnormal presentation         | 23 Unsuccessful attempt at vaginal birth after cesarean section |
| 07 Precipitous labor (< 3 hours)                 | 24 Maternal blood transfusion                                   |
| 08 Prolonged labor (> 20 hours)                  | 25 Transport of mother from another facility prior to delivery  |
| 09 Other dysfunctional labor                     | 26 Amniocentesis  |
| 10 Premature rupture of membrane (> 12 hours)    | 27 Electronic fetal monitoring                                  |
| 11 Induction of labor                            | 28 Tocolysis  |
| 12 Stimulation of labor                          | 29 Ultrasound   |
| 13 Abruptio placenta                             | 30 Maternal death (within 72 hours of delivery)                 |
| 14 Placenta previa                               | 31 Other  |
| 15 Other excessive bleeding                      | 00 None   |
| 16 Genital herpes                                |   |
| 17 Amnionitis/sepsis                             |   |

**Item 35. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATING TO THE FETUS (Circle codes on reverse.)**

**Do not enter any identification by patient name or number on this work sheet. Discard after use.**  
**Do not retain in medical records or submit with the "Certificate of Fetal Death."**

FIGURE 8-E – Continued  
 CERTIFICATE OF FETAL DEATH – MEDICAL DATA SUPPLEMENTAL WORK SHEET  
 2004

**CERTIFICATE OF FETAL DEATH, MEDICAL DATA SUPPLEMENTAL WORK SHEET (Continued)**

**Item 35. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATING TO THE FETUS**  
*(Circle up to ten codes for the most important conditions/procedures.)*

- CENTRAL NERVOUS SYSTEM (CNS)**
- 01 Anencephalus (740.0), with or without spina bifida. Include craniorachischisis (740.1) and iniencephaly (740.2).
  - 02 Open spina bifida (741.0, 741.9). If hydrocephalus is also present, enter code 05 in addition to code 02.
  - 03 Encephalocele (742.0).
  - 04 Microcephalus (742.1).
  - 05 Hydrocephalus (741.0, 742.3). If spina bifida is also present, enter code 02 in addition to code 05.
  - 06 Other anomalies of central nervous system (remainder of 740–742).
- EYE**
- 07 Anophthalmos (743.0).
  - 08 Congenital cataract (743.3).
  - 09 Coloboma (743.4). Exclude other anomalies of anterior segments.
  - 10 Other anomalies of eye (remainder of 743).
- EAR, FACE, NECK**
- 11 Branchial clefts (cyst, sinus, and/or fistula) (744.4).
  - 12 Other anomalies of ear, face, and/or neck (remainder of 744).
- CIRCULATORY SYSTEM**
- 13 Truncus arteriosus (745.0).
  - 14 Transposition of great vessels (745.1).
  - 15 Tetralogy of Fallot (745.2).
  - 16 Ventricular septal defect (VSD) (745.4).
  - 17 Atrial septal defect (ASD) (745.5).
  - 18 Endocardial cushion defects (745.6).
  - 19 Valve stenosis and/or insufficiency (746.0–746.8).
  - 20 Hypoplastic left heart syndrome (746.7).
  - 21 Other anomalies of heart (remainder of 745–746).
  - 22 Patent ductus arteriosus (747.0).
  - 23 Coarctation of aorta (747.1).
  - 24 Other anomalies of circulatory system (remainder of 747).

- RESPIRATORY SYSTEM**
- 25 Choanal atresia (748.0).
  - 26 Agenesis, hypoplasia, or dysplasia of lung (748.5).
  - 27 Other anomalies of respiratory system (remainder of 748).
- CLEFT PALATE, LIP**
- 28 Cleft palate (749.0).
  - 29 Cleft lip (749.1).
  - 30 Cleft palate with cleft lip (749.2).
- DIGESTIVE SYSTEM**
- 31 Tracheo-esophageal fistula, or esophageal atresia or stenosis (750.3).
  - 32 Atresia or stenosis of small intestine (751.1).
  - 33 Atresia or stenosis of large intestine, rectum, and/or anal canal (751.2).
  - 34 Other anomalies of digestive system (remainder of 750–751).
- GENITOURINARY SYSTEM**
- 35 Hypospadias or epispadias (752.6).
  - 36 Indeterminate sex or pseudohermaphroditism (752.7).
  - 37 Other anomalies of genital system (remainder of 752).
  - 38 Renal agenesis (753.0).
  - 39 Cystic kidney disease (753.1).
  - 40 Congenital ureteral obstruction (753.2).
  - 41 Exstrophy of urinary bladder (753.5).
  - 42 Other anomalies of urinary system (remainder of 753).
- MUSCULOSKELETAL DEFORMITIES**
- 43 Hip dislocation without CNS (754.3).
  - 44 Talipes (754.5–754.7).
  - 45 Preaxial polydactyly (accessory thumbs) (part of 755.0). Exclude skin tags.
  - 46 Other polydactyly (remainder of 755.0). Exclude skin tags.
  - 47 Syndactyly of fingers and/or toes (755.1).
  - 48 Missing fingers and/or toes (part of 755.2; part of 755.3).
  - 49 Other missing extremity, partial or complete (remainder of 755.2–755.4).
  - 50 Craniosynostosis (part of 756.0). Exclude acrocephaly, hypertelorism, and oxycephaly.

- MUSCULOSKELETAL DEFORMITIES (Continued)**
- 51 Chondrodystrophy (756.4).
  - 52 Anomalies of diaphragm (756.8).
  - 53 Gastroschisis, exomphalos, or omphalocele (756.7, 551.1, 552.1, 553.1). Exclude simple umbilical hernia.
  - 54 Other anomalies of musculoskeletal system (remainder of 754–756).
- SKIN, NAILS, HAIR (757.0–757.9).**
- 55
- VISIBLE AMNIOTIC BANDS (Amniotic band syndrome affecting the child) (658.8).**
- 56
- CHROMOSOMAL ANOMALIES**
- 57 Down's syndrome (trisomy 21) (758.0).
  - 58 Other autosomal trisomies (758.1, 758.2, 758.5). Include Patau's syndrome (trisomy 13), Edwards' syndrome (trisomy 18), and other autosomal trisomies.
  - 59 Abnormalities of sex chromosomes (758.6–758.8). Include Turner's syndrome and Klinefelter's syndrome.
  - 60 Other conditions due to chromosome anomalies (remainder of 758).
- MULTIPLE NONSPECIFIC ANOMALIES (759.7).**
- 61
- OTHER AND UNSPECIFIED CONGENITAL ANOMALIES (remainder of 759).**
- 62
- OTHER CONDITIONS AND PROCEDURES**
- 63 Anemia (hct. <39 and/or hgb. <13): due to Rh antibodies (730.0); due to ABO antibodies (773.1) due to fetal blood loss (776).
  - 64 Fetal alcohol syndrome (part of 760.7).
  - 65 Birth injury, with or without specific site (767.0–767.9).
  - 66 Congenital rubella syndrome (771.0).
  - 67 Other
  - 00 None

FIGURE 8-F  
STATISTICAL INFORMATION AVAILABLE  
FOR FETAL DEATHS, 2004

VARIABLE	CERTIFICATE ITEM NUMBER
<b>THIS FETUS</b>	
Name of child (first, middle, last)	1A, B, C
Sex of child	2
Single, twin, triplet, quadruplet, quintuplet, or more	3A
If multiple birth, birth order	3B
Date of delivery (month, day, year)	4A
Time of delivery	4B
Type of attendant	12B
<b>PLACE OF DELIVERY</b>	
Hospital or facility	5A
County of occurrence	5D
Planned place of delivery	5E
<b>MOTHER</b>	
Name (first, maiden surname)	9A, C
State of birth	10
Date of birth	11
Age	11
Race	25
Hispanic origin	26
Years of education	27C
Residence (county, state, zip code)	28C, D, E
<b>FATHER</b>	
Last name	6C
Date of birth	8
Age	8
Race	22
Hispanic origin	23
Years of education	24C
<b>MEDICAL AND HEALTH DATA</b>	
Completed days of gestation	4A, 29A
Underlying cause of death	18
Reported to coroner	19
Autopsy performed	20A
Autopsy used to determine cause of death	20B
Date last normal menses began	29A
Month of pregnancy prenatal care began	29B
Number of prenatal visits	29C
Principal source of payment for prenatal care	29D
Fetal weight (in grams)	30
Previous deliveries to this mother	31A, B, D, E
Date of last live birth	31C
Date of last termination	31F
Method of delivery	32A
Expected source of payment for delivery	32B
Complications of pregnancy and concurrent illnesses	33
Complications of labor and delivery	34
Abnormal conditions of fetus	35

**FIGURE 8-G  
CERTIFICATE OF DEATH  
2004**

<b>CERTIFICATE OF DEATH</b> <small>STATE OF CALIFORNIA USE BLACK INK ONLY / NO ERASURES, WHITEOUTS OR ALTERATIONS VS-11 (REV 1/03)</small>												
STATE FILE NUMBER						LOCAL REGISTRATION NUMBER						
DECEDENT'S PERSONAL DATA	1. NAME OF DECEDENT --- FIRST (Given)			2. MIDDLE			3. LAST (Family)					
	AKA, ALSO KNOWN AS --- Include full AKA (FIRST, MIDDLE, LAST)						4. DATE OF BIRTH mm/dd/yy			5. AGE Yrs.		6. SEX
	9. BIRTH STATE/FOREIGN COUNTRY		10. SOCIAL SECURITY NUMBER		11. EVER IN U.S. ARMED FORCES? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> UNK		12. MARITAL STATUS (at Time of Death)		7. DATE OF DEATH mm/dd/yy		8. HOUR (24 Hours)	
	13. EDUCATION --- Highest Level/Degree (see worksheet on back)		14/15. WAS DECEDENT SPANISH/HISPANIC/LATINO? (If yes, see worksheet on back.) <input type="checkbox"/> YES <input type="checkbox"/> NO				16. DECEDENT'S RACE --- Up to 3 races may be listed (see worksheet on back)					
	17. USUAL OCCUPATION --- Type of work for most of life. DO NOT USE RETIRED				18. KIND OF BUSINESS OR INDUSTRY (e.g., grocery store, road construction, employment agency, etc.)				19. YEARS IN OCCUPATION			
USUAL RESIDENCE	20. DECEDENT'S RESIDENCE (Street and number or location)											
	21. CITY		22. COUNTY/PROVINCE		23. ZIP CODE		24. YEARS IN COUNTY		25. STATE/FOREIGN COUNTRY			
INFORMANT	26. INFORMANT'S NAME, RELATIONSHIP					27. INFORMANT'S MAILING ADDRESS (Street and number or rural route number, city or town, state, ZIP)						
SPOUSE AND PARENT INFORMATION	28. NAME OF SURVIVING SPOUSE --- FIRST			29. MIDDLE			30. LAST (Maiden Name)					
	31. NAME OF FATHER --- FIRST			32. MIDDLE			33. LAST			34. BIRTH STATE		
	35. NAME OF MOTHER --- FIRST			36. MIDDLE			37. LAST (Maiden)			38. BIRTH STATE		
FUNERAL DIRECTORY / LOCAL REGISTRAR	39. DISPOSITION DATE mm/dd/yy			40. PLACE OF FINAL DISPOSITION								
	41. TYPE OF DISPOSITION(S)											
	44. NAME OF FUNERAL ESTABLISHMENT											
	47. DATE mm/dd/yy											
PLACE OF DEATH	101. PLACE OF DEATH											
	104. COUNTY											
CAUSE OF DEATH	107. CAUSE OF DEATH <small>Enter the chain of events --- diseases, injuries, or complications --- that directly caused death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE.</small>											
	IMMEDIATE CAUSE (A) (Final disease or condition resulting in death)											
	(B)											
	(C)											
	(D)											
	112. OTHER SIGNIFICANT CONDITIONS CONTRIBUTING TO DEATH BUT NOT RESULTING IN THE UNDERLYING CAUSE GIVEN IN 107											
	113. WAS OPERATION PERFORMED FOR ANY CONDITION IN ITEM 107 OR 112? (If yes, list type of operation and date.)											
	113A. IF FEMALE, PREGNANT IN LAST YEAR? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> UNK											
PHYSICIAN'S CERTIFICATION	114. I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE DEATH OCCURRED AT THE HOUR, DATE, AND PLACE STATED FROM THE CAUSES STATED. Decedent Attended Since mm/dd/yy Decedent Last Seen Alive mm/dd/yy			115. SIGNATURE AND TITLE OF CERTIFIER			116. LICENSE NUMBER			117. DATE mm/dd/yy		
	118. TYPE ATTENDING PHYSICIAN'S NAME, MAILING ADDRESS, ZIP CODE											
CORONER'S USE ONLY	119. I CERTIFY THAT IN MY OPINION DEATH OCCURRED AT THE HOUR, DATE, AND PLACE STATED FROM THE CAUSES STATED. MANNER OF DEATH <input type="checkbox"/> Natural <input type="checkbox"/> Accident <input type="checkbox"/> Homicide <input type="checkbox"/> Suicide <input type="checkbox"/> Pending investigation <input type="checkbox"/> Could not be determined											
	120. INJURED AT WORK? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> UNK											
	121. INJURY DATE mm/dd/yy											
	122. HOUR (24 Hours)											
	123. PLACE OF INJURY (e.g., home, construction site, wooded area, etc.)											
124. DESCRIBE HOW INJURY OCCURRED (Events which resulted in injury)												
125. LOCATION OF INJURY (Street and number, or location, and city, and ZIP)												
126. SIGNATURE OF CORONER / DEPUTY CORONER					127. DATE mm/dd/yy			128. TYPE NAME, TITLE OF CORONER / DEPUTY CORONER				
STATE REGISTRAR					FAX AUTH. #			CENSUS TRACT				

# FIGURE 8-G -Continued CERTIFICATE OF DEATH 2004

WORKSHEET FOR EDUCATION AND RACE/ETHNICITY (For Reference Only)		
<p><b>DECEDENT'S EDUCATION</b>-Check the box that best describes the highest degree or level of school completed at the time of death.</p> <p>Enter appropriate information in box No. 13.</p> <p><input type="checkbox"/> 0-11<sup>th</sup> grade. Enter highest year completed: _____</p> <p><input type="checkbox"/> 12<sup>th</sup> grade, but no diploma. Enter <b>12</b></p> <p><input type="checkbox"/> High school graduate or GED completed. Enter either <b>HS GRADUATE</b> or <b>GED</b>: _____</p> <p><input type="checkbox"/> Some college credit, but no degree. Enter <b>SOME COLLEGE</b></p> <p><input type="checkbox"/> Associate degree (e.g., AA, AS). Enter <b>ASSOCIATE</b></p> <p><input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS). Enter <b>BACHELOR'S</b></p> <p><input type="checkbox"/> Master's degree (e.g., MA, MS, MEd, MEd, MSW, MBA). Enter <b>MASTER'S</b></p> <p><input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD). Enter either <b>DOCTORATE</b> or <b>PROFESSIONAL</b>: _____</p>	<p><b>WAS DECEDENT SPANISH/ HISPANIC/ LATINO?</b></p> <p>If not Spanish/Hispanic/Latino, check "No" in box No. 14/15.</p> <p>If Spanish/Hispanic/Latino, check "Yes" in box No. 14/15 and enter specific origin.</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes, Mexican, Mexican American, or Chicano</p> <p><input type="checkbox"/> Yes, Central American</p> <p><input type="checkbox"/> Yes, South American</p> <p><input type="checkbox"/> Yes, Cuban</p> <p><input type="checkbox"/> Yes, Puerto Rican</p> <p><input type="checkbox"/> Yes, other Spanish/Hispanic/Latino</p> <p>Specify: _____</p>	<p><b>WHAT WAS DECEDENT'S RACE OR ETHNICITY?</b> (Check one or more races to indicate what the decedent considered himself or herself to be)</p> <p>Enter text for up to 3 races in box No. 16.</p> <p><input type="checkbox"/> White</p> <p><input type="checkbox"/> Black, African American, or Negro</p> <p><input type="checkbox"/> American Indian or Alaska Native (North, South, and Central American Indian) Specify Tribe(s): _____</p> <p><input type="checkbox"/> Native Hawaiian</p> <p><input type="checkbox"/> Guamanian</p> <p><input type="checkbox"/> Samoan</p> <p><input type="checkbox"/> Other Pacific Islander Specify: _____</p> <p><input type="checkbox"/> Asian Indian</p> <p><input type="checkbox"/> Cambodian</p> <p><input type="checkbox"/> Chinese</p> <p><input type="checkbox"/> Filipino</p> <p><input type="checkbox"/> Hmong</p> <p><input type="checkbox"/> Japanese</p> <p><input type="checkbox"/> Korean</p> <p><input type="checkbox"/> Laotian</p> <p><input type="checkbox"/> Vietnamese</p> <p><input type="checkbox"/> Other Asian Specify: _____</p> <p><input type="checkbox"/> Other Specify: _____</p>

## PRIVACY NOTIFICATION

Civil Code Section 1798.9 et seq. requires each state agency to provide notice to individuals completing this form. The information is being requested by: DEPARTMENT OF HEALTH SERVICES, OFFICE OF VITAL RECORDS, 304 S STREET, P.O. BOX 730241, SACRAMENTO, CA 94244-0241. The information requested on this certificate is authorized and required by Divisions 7 and 102 of the Health and Safety Code, and related provisions within the Civil Code, Code of Civil Procedure, and Government Code.

The principal purpose for this record is:

1. To establish a permanent record that is legally recognized as prima facie evidence of the facts stated therein for each death occurring in the State of California.
2. To provide information, to health authorities and other qualified persons with a valid education or scientific interest, for demographic and epidemiological studies for health and social purposes.
3. To provide information to the National Center for Health Statistics for compiling national statistical reports, and to state and federal agencies for file clearance purposes.
4. To provide individuals with certified copies from the records to serve their personal needs, such as applying for social security or death benefits.

The record shall be open for examination during regularly scheduled office hours, except when access is specifically prohibited by statute or regulations.

## LEGAL REQUIREMENTS FOR FILING CERTIFICATE OF DEATH

Each death shall be registered with the local registrar of births and deaths within eight calendar days after death and prior to any disposition of the human remains.

The medical and health section data and the time of death shall be completed and attested to by the physician last in attendance, or his/her designee, provided such physician is legally authorized to certify and attest to these facts, or by the coroner in those cases in which he is required to complete the medical and health section data and certify and attest to these facts.

The medical and health section data and the physician's or coroner's certification shall be completed by the physician within 15 hours after the death, or by the coroner within three days after examination of the body.

OSP 02 73023

FIGURE 8-H  
STATISTICAL INFORMATION AVAILABLE  
FOR DEATHS, 2004

VARIABLE	CERTIFICATE ITEM NUMBER
<b>DECEDENT PERSONAL DATA</b>	
Name of decedent (first, middle, last)	1, 2, 3
Date of birth	4
Age	5
Sex	6
Date of death (month, day, year)	7
State/foreign country of birth	9
Social Security Number	10
Marital status	12
Education Completed	13
Race	14
Hispanic origin	15
Years in Occupation	19
Residence (county, state, or country)	22, 25
Zip Code	23
Years in this county	24
Father's surname	33
Mother's maiden name	37
<b>PLACE OF DEATH</b>	
Type of hospital (IP, ER/OP, DOA)	102
Facility other than hospital (Conv., Res. Care, Other)	103
County of occurrence	104
<b>MEDICAL AND HEALTH DATA</b>	
Underlying cause of death	107
Special medical indicator (contributing cause)	107, 112
Reported to coroner	108
Biopsy performed	109
Autopsy performed	110
Autopsy used to determine cause of death	111
Operation performed	113
If female, pregnant in last year	113A
Type of certifier	115, 128
Manner of death	119
Work injury	120
Date of injury	121
Days between injury and death	7, 121
Place of injury (environment)	123



FIGURE 8-I  
RACE IDENTIFICATION WORK SHEET  
2004

State of California – Health and Human Services Agency

Department of Health Services

**RACE IDENTIFICATION WORK SHEET**

**NOTICE TO INFORMANTS:** Completion of this work sheet in conjunction with either the “Certificate of Live Birth” or the “Certificate of Fetal Death” is not required by state law. However, the information requested is essential for determining the health problems of the population groups noted below and your cooperation is appreciated. Completion of this work sheet in conjunction with the “Certificate of Death” is mandatory. See back of form for abbreviations.

**“CERTIFICATE OF LIVE BIRTH” (VS 10D) and “CERTIFICATE OF FETAL DEATH” (VS 12)**

ITEM entitled “HISPANIC” (check ONE box)

Is the **FATHER** of Spanish/Hispanic/Latino descent?

- ☐ No - (Not Hispanic)  
☐ Yes - Cuban  
☐ Yes - Puerto Rican  
☐ Yes - Mexican  
☐ Yes - Other Hispanic (Specify) \_\_\_\_\_

ITEM entitled “HISPANIC” (check ONE box)

Is the **MOTHER** of Spanish/Hispanic/Latina descent?

- ☐ No - (Not Hispanic)  
☐ Yes - Cuban  
☐ Yes - Puerto Rican  
☐ Yes - Mexican  
☐ Yes - Other Hispanic (Specify) \_\_\_\_\_

ITEM entitled “RACE” (check at least ONE box and you may choose up to **THREE** boxes)

The **FATHER** is:

- |   |                                       |  |
|---|---------------------------------------|--|
| <input type="checkbox"/> Black  | <input type="checkbox"/> Asian Indian | <input type="checkbox"/> Filipino              |
| <input type="checkbox"/> White  | <input type="checkbox"/> Cambodian    | <input type="checkbox"/> Guamanian             |
| <input type="checkbox"/> Aleut  | <input type="checkbox"/> Chinese      | <input type="checkbox"/> Hawaiian              |
| <input type="checkbox"/> American Indian<br>(North, South and<br>Central) | <input type="checkbox"/> Hmong        | <input type="checkbox"/> Pacific Islander      |
| <input type="checkbox"/> Specify Tribe _____                              | <input type="checkbox"/> Japanese     | <input type="checkbox"/> Samoan                |
|   | <input type="checkbox"/> Korean       | <input type="checkbox"/> Other (Specify) _____ |
|   | <input type="checkbox"/> Laotian      |  |
| <input type="checkbox"/> Eskimo   | <input type="checkbox"/> Thai         |  |
|   | <input type="checkbox"/> Vietnamese   |  |

ITEM entitled “RACE” (check at least ONE box and you may choose up to **THREE** boxes)

The **MOTHER** is:

- |   |                                       |  |
|---|---------------------------------------|--|
| <input type="checkbox"/> Black  | <input type="checkbox"/> Asian Indian | <input type="checkbox"/> Filipino              |
| <input type="checkbox"/> White  | <input type="checkbox"/> Cambodian    | <input type="checkbox"/> Guamanian             |
| <input type="checkbox"/> Aleut  | <input type="checkbox"/> Chinese      | <input type="checkbox"/> Hawaiian              |
| <input type="checkbox"/> American Indian<br>(North, South<br>and Central) | <input type="checkbox"/> Hmong        | <input type="checkbox"/> Pacific Islander      |
| <input type="checkbox"/> Specify Tribe _____                              | <input type="checkbox"/> Japanese     | <input type="checkbox"/> Samoan                |
|   | <input type="checkbox"/> Korean       | <input type="checkbox"/> Other (Specify) _____ |
|   | <input type="checkbox"/> Laotian      |  |
| <input type="checkbox"/> Eskimo   | <input type="checkbox"/> Thai         |  |
|   | <input type="checkbox"/> Vietnamese   |  |

**“CERTIFICATE OF DEATH” (VS 11)**

ITEM entitled “HISPANIC” (check ONE box)

Is the **DECEDENT** of Spanish/Hispanic/Latino(a) origin?

- ☐ No - (Not Hispanic)  
☐ Yes - Cuban  
☐ Yes - Puerto Rican  
☐ Yes - Mexican  
☐ Yes - Other Hispanic (Specify) \_\_\_\_\_

ITEM entitled “RACE” (check at least ONE box and you may choose up to **THREE** boxes)

The **DECEDENT** is:

- |   |                                       |  |
|---|---------------------------------------|--|
| <input type="checkbox"/> Black  | <input type="checkbox"/> Asian Indian | <input type="checkbox"/> Filipino              |
| <input type="checkbox"/> White  | <input type="checkbox"/> Cambodian    | <input type="checkbox"/> Guamanian             |
| <input type="checkbox"/> Aleut  | <input type="checkbox"/> Chinese      | <input type="checkbox"/> Hawaiian              |
| <input type="checkbox"/> American Indian<br>(North, South<br>and Central) | <input type="checkbox"/> Hmong        | <input type="checkbox"/> Pacific Islander      |
| <input type="checkbox"/> Specify Tribe _____                              | <input type="checkbox"/> Japanese     | <input type="checkbox"/> Samoan                |
|   | <input type="checkbox"/> Korean       | <input type="checkbox"/> Other (Specify) _____ |
|   | <input type="checkbox"/> Laotian      |  |
| <input type="checkbox"/> Eskimo   | <input type="checkbox"/> Thai         |  |
|   | <input type="checkbox"/> Vietnamese   |  |

**INSTRUCTIONS:** This work sheet is to be completed by, or with the direct assistance of, the informant(s). Do not enter any identification by name or number on this work sheet if it is completed in conjunction with either the “Certificate of Live Birth” or the “Certificate of Fetal Death.” After completion by the informant(s), transfer the information indicated onto the appropriate certificate. If this work sheet is completed in conjunction with either the “Certificate of Live Birth” or the “Certificate of Fetal Death,” discard after completion. Do not retain in medical records. Do not submit this work sheet with ANY of the certificates associated with its use.

VS 10B (Rev. 1/00)



# OFFICE OF HEALTH INFORMATION AND RESEARCH PUBLICATIONS AND SERVICES

Major Reports:	Cost
California's Infant Mortality Rate Report, 2004 (July 2006)	\$ 1.00
County Health Status Profiles, 2006 (April 2006)	\$10.00
Healthy California 2000 Final Review (March 2004)	\$20.00
Health Data Summaries for California Counties, 2006 (September 2006)	\$20.00
Sentinel of Health Indicators for California's Multicultural Populations 1999-2001 (May 2004)	\$10.00
Trends in Leading Causes of Death: Gender Disparities by Race and Ethnicity California 1990-2001 (May 2004)	\$10.00
Vital Statistics of California, 2003 (August 2005)	\$20.00

Copies of major reports published by the Center for Health Statistics are available in state depository libraries, which include large university, college, county, and city libraries. Many OHIR reports and most tables in this report can be found on our Internet website:

**[www.dhs.ca.gov/ohir](http://www.dhs.ca.gov/ohir)**

The vital statistics presented in these reports constitute only part of the information reported on vital records. Special tabulations, cross-tabulations, and electronic data files can be provided to requestors. The fee required for special requests is determined at the time of the request.

Lists of the statistical information available are provided in:

- Figure 8-C (Live Births)
- Figure 8-F (Fetal Deaths)
- Figure 8-H (Deaths)

Questions concerning the development of special reports or requests for electronic data files should be directed to:

California Department of Health Services  
Office of Health Information Research  
Vital Statistics Section  
MS 5103  
P.O. Box 997410  
Sacramento, CA 95899-7410  
Phone: (916) 552-8095



# PUBLICATION ORDER FORM

MAIL ORDER  
FORM TO:

Department of Health Services  
Office of Health Information and Research  
Vital Statistics Section  
**Attn: Tina Smith**  
MS 5103, P.O. Box 997410  
Sacramento, CA 95899-7410  
Phone #: (916) 552-8095

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Zip Code: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

## NOTES

# VITAL STATISTICS REGISTRATION IN CALIFORNIA

RECORD	PERSONS RESPONSIBLE FOR COMPLETING RECORDS	PERSONS RESPONSIBLE FOR FILING RECORDS WITH LOCAL REGISTRAR	PERSONS RESPONSIBLE TO TRANSMIT RECORDS TO STATE
Certificate of Live Birth	Attending physician or parent for unattended birth.	In-hospital birth: the hospital administrator or designee. Out-of-hospital birth: the physician or parent.	Registrars of full-time approved local health departments; or registrars appointed by State Registrar.
Certificate of Fetal Death	Funeral director and physician or coroner for medical certification.	Funeral director or person acting in lieu thereof.	Registrars of full-time approved local health departments; or registrars appointed by State Registrar.
Certificate of Death	Funeral director and physician or coroner for medical certification.	Funeral director or person acting in lieu thereof.	Registrars of full-time approved local health departments; or registrars appointed by State Registrar.
Certificate of Registry of Marriage	Persons applying for license and clerk of county issuing license.	Minister or other person performing marriage ceremony.	County recorder of county in which marriage license was issued.
Copy of Final Dissolution of Marriage, of Legal Separation, and of Declaration of Nullity	Attorney for party obtaining the final decree.	Attorney for party obtaining the final decree.	County clerk of county granting decree.

**Arnold Schwarzenegger, Governor**  
State of California

**S. Kimberly Belshé, Secretary**  
Health and Human Services Agency

**Sandra Shewry, Director**  
California Department of Health Services

