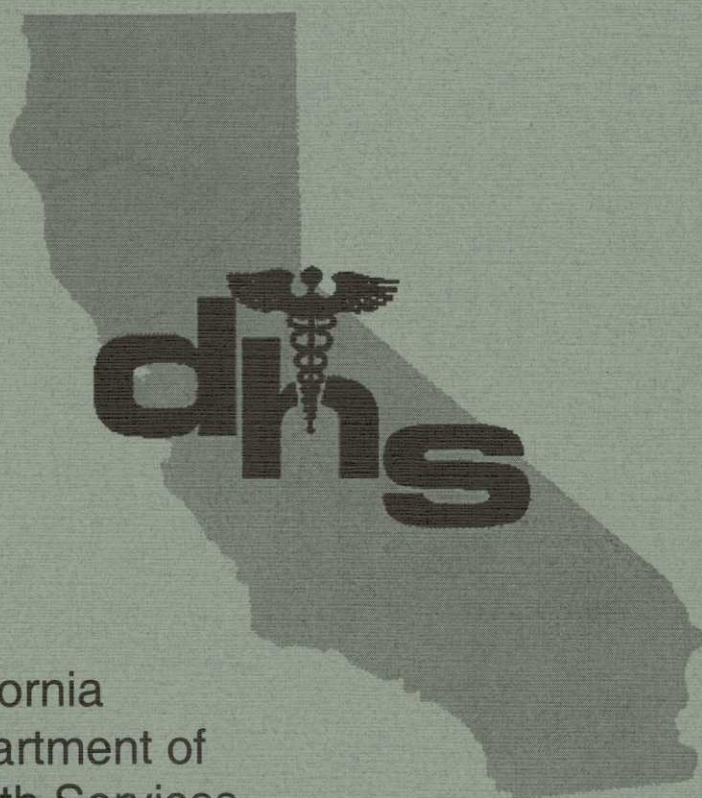


ADVANCE REPORT:
CALIFORNIA VITAL STATISTICS
2000



California
Department of
Health Services

STATE OF CALIFORNIA
Gray Davis, Governor

CALIFORNIA HEALTH AND HUMAN SERVICES AGENCY
Grantland Johnson, Secretary

DEPARTMENT OF HEALTH SERVICES
Diana M. Bontá, R.N., Dr. P.H., Director

**ADVANCE REPORT:
CALIFORNIA VITAL STATISTICS
2000**

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HIGHLIGHTS

For the year 2000:

California and United States Comparisons

- California's estimated population was 34,480,000, an increase of 1.6 percent (546,000 persons) over the state's 1999 population. California's population accounted for 12.5 percent of the U.S. population, or one of every eight residents.
- California's 531,285 live births represented 13.1 percent of the provisional count of all live births in the United States, or roughly one of every eight births. California's birth rate (15.4 per 1,000 population) continued to exceed the preliminary U.S. birth rate (14.8 per 1,000 population).
- California's 228,281 deaths accounted for 9.5 percent of the provisional count of all deaths in the United States, or roughly one of every eleven deaths. California's death rate (6.6 per 1,000 population) continued to fall below the provisional U.S. death rate (8.7 per 1,000 population).
- California's infant mortality rate of 5.4 per 1,000 live births was lower than the provisional rate for the United States (6.7).

California's Births

- The number of live births to California residents increased from 518,073 in 1999 to 531,285 (2.6 percent).
- California's birth rate in 2000 was 15.4 births per 1,000 population, an increase of 0.7 percent from the 1999 birth rate of 15.3.
- California's birth rates decreased in 2000 compared with 1999 for mothers ages under 15 - 24 and increased for mothers ages 25 - 44. The rate was unchanged for mothers 45 and over.
- Hispanics had the largest number (257,958) and percentage (48.6 percent) of births among California's race/ethnic groups.

California's Deaths

- The number of deaths to California residents increased 0.1 percent from 227,965 in 1999 to 228,281 in 2000.
- California's 2000 death rate of 6.6 deaths per 1,000 population decreased 1.5 percent from the 1999 death rate of 6.7.

- The three most prevalent causes of death were heart disease, malignant neoplasms, and cerebrovascular disease, which together accounted for 61.2 percent of all deaths in California.
- Death rates decreased in 2000 for five of the leading causes of death and increased for four of the leading causes. The largest percentage decrease in the death rate was in chronic lower respiratory diseases, which decreased by 4.8 percent. The largest increase was in Alzheimer's disease, up 10.0 percent from 1999.
- For the second consecutive year the number of deaths to females (114,276) surpassed the number of deaths to males (114,005).

California's Infant Deaths

- There were 2,884 California infants under the age of one year who died in 2000, an increase of 97 infant deaths (3.5 percent) from 1999.
- California's infant mortality rate was 5.4 infant deaths per 1,000 live births. This rate was unchanged from 1999.

TABLE OF CONTENTS

HIGHLIGHTS	iii-iv
ACKNOWLEDGEMENTS.....	vi
INTRODUCTION	vii
SECTION I STATE AND COUNTY VITAL STATISTICS SUMMARY	1-3
Table 1 Population, Live Births, Deaths, Fetal Deaths, and Infant Deaths, California, 1980-2000	4
Table 2 Population, Live Births, Deaths, Fetal Deaths, and Infant Deaths, California Counties, 2000	5
Table 2A Population, Live Births, Deaths, Fetal Deaths, and Infant Deaths, City Health Departments, 2000.....	6
SECTION II LIVE BIRTHS.....	7-9
Table 3 Live Births and Birth Rates by Age of Mother, California, 1996-2000.....	10
Table 4 Live Births by Age of Mother, California Counties and City Health Departments, 2000	11
Table 5 Live Births and Birth Rates By Hispanic Origin and First Mentioned Race of Mother, California, 1996-2000	12
Table 6 Live Births by Race/Ethnicity of Mother, California Counties and City Health Departments, 2000.....	13
Table 7 Live Births by Age and Race/Ethnicity of Mother, California, 2000.....	14
Table 8 Number and Percent of Live Births by Birthweight and Race/Ethnicity of Mother, California, 2000.....	15
Table 9 Live Births By Birthweight, California Counties and City Health Departments, 2000	16
Table 10 Number and Percent of Live Births by Trimester Prenatal Care Began and Race/Ethnicity of Mother, California, 2000	17
Table 11 Live Births by Trimester Prenatal Care Began, California Counties and City Health Departments, 2000	18

SECTION III DEATHS	19-21
Table 12 Ten Leading Causes of Death, California, 1999 and 2000	22
Table 13 Number and Rate of Deaths by Age and Sex, California, 1999-2000	23
Table 14 Deaths by Age, California Counties and City Health Departments, 2000	24
Table 15 Deaths and Death Rates by Hispanic Origin and First Mentioned Race of Decedent, California, 1996-2000	25
Table 16 Deaths by Race/Ethnicity, California Counties and City Health Departments, 2000	26
Table 17 Deaths by Sex, Race/Ethnicity and Age, California, 2000	27

APPENDICES

A. Population Projections by Age, Race/Ethnicity and Sex, California, 2000	28
B. Technical Notes.....	29-30
C. Definitions.....	31
D. Rates and Ratio.....	32
E. References	33

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INTRODUCTION

This report is the first of two annual vital statistics reports prepared by the Vital Statistics Section of the Department of Health Services, Center for Health Statistics. This report is an advance report containing final counts of California's 2000 vital events summarized for the State and counties. The purpose of this report is to provide early access to California's summary vital statistics data. Several months following the publication of this advance report, a second, more comprehensive and detailed annual report, Vital Statistics of California 2000, will be published. In addition, tables of 2000 vital statistics data are also available on the Department of Health Services, Center for Health Statistics website (www.dhs.ca.gov/hisp/chs/chsindex.htm).

Data contained in this report are presented on the number and rate of live births, deaths, fetal deaths, and infant deaths for the State, counties, and three city health departments. Age, race, and sex-specific data on births and deaths are also presented for the State, counties, and three city health departments. Limited trend data are presented for the State and, where appropriate, comparative data for the United States are included.

Data on race and ethnicity in this report differ from previous reports. As of January 2000, California birth and death certificates permitted assignment of up to three races of mother, father, and decedent. Most of the tables in this report present race data with a "two or more" category that consists of all respondents who were reported with two or three distinct races. Please see the Technical Notes for more information.

Population data used in this report were from the following Department of Finance reports: Report E-2, County Population Estimates and Components of Change, 1999-2000 with Historical Estimates, 1990-1999, May 2001; Report E-1 City/County Population Estimates with Annual Percent Change, May 2001; Population Estimates by Age, Race/Ethnicity and Sex, May 2000; and Population Projections By Age, Race/Ethnicity, and Sex, 1970-2040, December 1998. Please refer to each table for the source of population estimates and projections. The population projections are shown in Appendix A.

The cause of death codes used in this report (Table 12) are from the Tenth Revision of the International Classification of Diseases (ICD-10). Causes of death in this report will not be comparable with similar causes in reports prior to 1999.

The sources of the vital statistics data presented in this report are California's birth, death and fetal death certificates registered by the Office of Vital Records. The population data used in preparing this report were obtained from the Demographic Research Unit in the California Department of Finance.

At the end of this report is a discussion of some of the limitations involved in using the data contained in this report, and definitions of key terms. A more complete discussion of these and other important issues concerning the use of California's vital events are included in Vital Statistics of California 1999.

In addition to this advance report and the annual Vital Statistics of California, the Department of Health Services, Center for Health Statistics prepares a number of other reports. These provide more detailed data on particular vital statistics topics, such as trends in cesarean births or specific causes of death. Information concerning these reports is available in the Catalog of Data Products and Publications prepared by the Center. Copies of this catalog can be obtained on the Internet (see address below) or by calling (916) 445-6355, or by writing to the Department of Health Services, Center for Health Statistics, Office of Health Information and Research, 304 S Street, Third Floor, Sacramento, California, 95814. On-line versions of many reports including this one, and a large number of additional data tables can also be accessed through the Department of Health Services, Center for Health Statistics website at: www://dhs.ca.gov/hisp/chs/chsindex.htm.

SECTION I

STATE AND COUNTY VITAL STATISTICS SUMMARY

Presented in **Table 1** are summary vital statistics data on California's population, live births, deaths, fetal deaths, and infant deaths from 1980 - 2000. Similar data for 2000 are presented for each of California's 58 counties in **Table 2** and for three city health departments in **Table 2A**.

Population

The estimated population of California in 2000 was 34,480,000, an increase of 546,000 individuals (1.6 percent) over the state's population in 1999 (**Table 1**).¹ California's population accounted for 12.5 percent of the total U. S. population, or one of every eight U.S. residents.²

As shown in **Table 2**, the respective populations of California's counties in 2000 ranged from a high of 9,716,100 in Los Angeles to a low of 1,220 in Alpine. Over one-fourth (28.2 percent) of California's total population resided in Los Angeles County. In addition, the combined populations of counties having a population of over one million (Alameda, Los Angeles, Orange, Riverside, Sacramento, San Bernardino, San Diego and Santa Clara) accounted for over two-thirds (67.3 percent) of the State's population.

Live Births

There were 531,285 live births among California residents in 2000, an increase of 13,212 births (2.6 percent) from 1999. As shown in **Table 1**, this was the first increase in the total number of live births for the State after nine years of decreases. In 2000, California's live births represented 13.1 percent of all provisional U.S. live births, or approximately one of every eight births.²

As shown in **Table 2**, the number of live births in 2000 among the residents of California's 58 counties ranged from a high of 157,391 in Los Angeles to a low of 9 in Alpine. Nearly one-third of California's births were to Los Angeles County residents.

Birth Rate

After steadily declining since 1990, California's birth rate increased in 2000. The 2000 birth rate per 1,000 population was 15.4, an increase of 0.7 percent from the 1999 rate of 15.3 and a decrease of 23.0 percent from the 1990 rate of 20.0 (**Table 1 and Figure 1**). California's birth rate in 2000 was higher than the preliminary rate for the United States, 15.4 compared with 14.8, continuing a consistent trend extending back many years.^{2,3}

Birth rates among California's counties in 2000 ranged from a high of 19.3 in Tulare County with a low of 5.8 in Sierra County (**Table 2**).

Deaths

There were 228,281 deaths among California residents in 2000, an increase of 316 deaths (0.1 percent) from 1999. As shown in **Table 1**, this was the fourth increase after two consecutive years of decreases in the total number of deaths for the State. In 2000, California's deaths represented 9.5 percent of all provisional U.S. deaths, approximately one of every eleven deaths.

As shown in **Table 2**, the number of deaths in 2000 among the residents of California's counties ranged from a high of 59,032 in Los Angeles to a low of 6 in Alpine. Over one-fourth (25.9 percent) of California's deaths were among Los Angeles County residents.

Death Rate

California's 2000 death rate of 6.6 per 1,000 population was 1.5 percent lower than the 1999 rate of 6.7 (**Table 1 and Figure 1**).

California's death rate in 2000 was lower than the provisional death rate for the United States as a whole, 6.6 compared to 8.7, a pattern that has remained unchanged for many years.^{2,3}

Among California's counties, the death rate in 2000 ranged from a high of 14.0 in Lake County to a low of 3.7 in Mono County. Many factors affected the variation in county crude death rates shown in **Table 2**, particularly the different age distributions associated with the respective populations of each county. For purposes of comparing death rates among county populations, it is preferable to use age-adjusted death rates rather than crude rates shown in **Table 2**. Other reports prepared by the Department of Health Services contain age-adjusted death rates by county.^{4,5}

Fetal Deaths and Fetal Death Ratio

In 2000, there were 3,046 fetal deaths among California's residents, an increase of 119 fetal deaths (4.1 percent) from 1999 (**Table 1**). The 2000 fetal death ratio for California was 5.7 fetal deaths per 1,000 live births.

Infant Deaths

There were 2,884 infant deaths among California's residents in 2000, an increase of 97 infant deaths (3.5 percent) from 1999. As shown in **Table 1**, this was the first increase after ten consecutive years of decreases. In 2000, California's infant deaths represented 10.6 percent of all provisional U.S. infant deaths, or approximately one of every ten infant deaths.²

Infant Mortality Rate

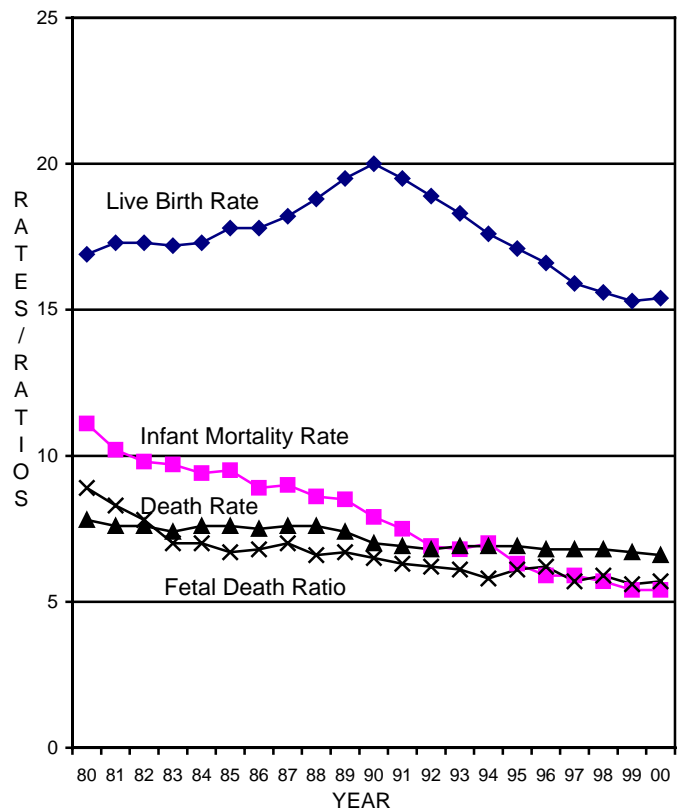
In 2000, California's infant mortality rate per 1,000 live births was 5.4 and was unchanged from 1999 (**Table 1 and Figure 1**). This was the lowest infant mortality rate ever recorded for the state.

California's infant mortality rate in 2000 was lower than the provisional infant mortality rate for the United States as a whole, 5.4 compared

to 6.7.² California's infant mortality rate has consistently fallen below the U.S. rate.

Infant mortality rates in 2000 for most of California's counties are shown in **Table 2**. The small number in many of the smaller counties prevents the calculation of reliable infant mortality rates. Among those counties with infant mortality rates that were calculated, the rates varied from a high of 9.5 in Yuba County to a low of 3.5 in Marin County. Even in some of the medium and large counties, the infant mortality rate can vary significantly from year to year. For a more reliable assessment of infant mortality rates by county, infant mortality rates for several years should be examined. Other reports by the Department of Health Services contain trend data relating to county infant death rates.⁶

FIGURE 1
VITAL STATISTICS RATES/RATIO
CALIFORNIA, 1980-2000



Live birth and death rates are per 1,000 population.
Infant death rates and fetal death ratios are per 1,000 live births.
Source: Department of Health Services Birth, Death, and Fetal Death Records.

Births, Deaths, Fetal Deaths and Infant Deaths by City Health Department

Table 2A shows the numbers and rates for three city health departments within their respective counties. Berkeley residents had 4.3 percent (946 births) of the 22,164 live births in Alameda County, and showed a birth rate of 9.1. Of the 157,391 births in Los Angeles County, Long Beach had 8,409 births (5.3 percent) with a birth rate of 18.0 and Pasadena had 2,327 births (1.5 percent) with a birth rate of 17.2.

Berkeley residents accounted for 629 of the 9,841 total deaths in Alameda County (6.4 percent) with a death rate of 6.1. Long Beach accounted for 5.5 percent (3,261 deaths) of the total deaths in Los Angeles County, while Pasadena accounted for 2.1 percent (1,214 deaths). The death rates for Long Beach and Pasadena were 7.0 and 9.0, respectively.

Berkeley had 6 fetal deaths in 2000, 4.4 percent of the 136 fetal deaths in Alameda County. Of the 974 fetal deaths in Los Angeles County, Long Beach had 52 (5.3 percent) and Pasadena had 10 (1.0 percent) with fetal death ratios of 6.2 and 4.3, respectively.

There was one infant death in Berkeley in 2000, 1.0 percent of the 103 infant deaths in Alameda County. Los Angeles County had 777 infant deaths in 2000 and of those 56 (7.2 percent) were in Long Beach and 17 (2.2 percent) were in Pasadena. The infant mortality rates for Long Beach and Pasadena were 6.7 and 7.3 respectively.

TABLE 1
POPULATION, LIVE BIRTHS, DEATHS,
FETAL DEATHS, AND INFANT DEATHS
CALIFORNIA, 1980 - 2000
(By Place of Residence)

YEAR	POPULATION	LIVE BIRTHS		DEATHS		FETAL DEATHS		INFANT DEATHS	
		Number	Rate ¹	Number	Rate ¹	Number	Ratio ²	Number	Rate ²
2000	34,480,000	531,285	15.4	228,281	6.6	3,046	5.7	2,884	5.4
1999	33,934,000	518,073	15.3	227,965	6.7	2,927	5.6	2,787	5.4
1998	33,387,000	521,265	15.6	225,450	6.8	3,053	5.9	2,994	5.7
1997	32,985,000	524,174	15.9	223,438	6.8	2,996	5.7	3,091	5.9
1996	32,501,000	538,628	16.6	222,308	6.8	3,330	6.2	3,186	5.9
1995	32,291,000	551,226	17.1	222,626	6.9	3,355	6.1	3,478	6.3
1994	32,155,000	567,034	17.6	222,854	6.9	3,299	5.8	3,948	7.0
1993	31,996,000	584,483	18.3	220,271	6.9	3,574	6.1	3,970	6.8
1992	31,719,000	600,838	18.9	214,586	6.8	3,704	6.2	4,174	6.9
1991	31,238,000	609,228	19.5	214,220	6.9	3,834	6.3	4,596	7.5
1990	30,652,000	611,666	20.0	213,766	7.0	3,989	6.5	4,828	7.9
1989	29,142,100	569,308	19.5	215,930	7.4	3,824	6.7	4,853	8.5
1988	28,393,100	532,708	18.8	215,185	7.6	3,527	6.6	4,559	8.6
1987	27,716,900	503,376	18.2	209,395	7.6	3,504	7.0	4,530	9.0
1986	27,052,300	481,905	17.8	202,826	7.5	3,259	6.8	4,298	8.9
1985	26,402,600	470,816	17.8	201,815	7.6	3,171	6.7	4,475	9.5
1984	25,816,300	447,394	17.3	195,470	7.6	3,110	7.0	4,212	9.4
1983	25,336,300	435,722	17.2	188,018	7.4	3,049	7.0	4,226	9.7
1982	24,805,000	429,631	17.3	188,255	7.6	3,333	7.8	4,218	9.8
1981	24,277,700	420,418	17.3	184,732	7.6	3,481	8.3	4,276	10.2
1980	23,780,100	402,720	16.9	186,428	7.8	3,594	8.9	4,451	11.1

¹ Per 1,000 population.

² Per 1,000 live births.

Note: Fetal deaths include only those with a stated or presumed period of gestation of 20 weeks or more. Infant deaths are those under one year of age.

Source: State of California, Department of Finance, Demographic Research Unit; 1980-1989 Population: 1970-1996 Population Estimates with Age, Sex and Race/Ethnic Detail, January 1998. 1990 -1998 Population: Intercensal Estimates of California: State and Counties 1990-2000, Report I 90-00 July, May 2001. 1999-2000 Population: Population Estimates for California Counties, Report E-2, July 1 1990 through July 1, 2000, May 2001. Population data for 2000 are provisional.

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

TABLE 2
POPULATION, LIVE BIRTHS, DEATHS, FETAL DEATHS, AND INFANT DEATHS
CALIFORNIA COUNTIES, 2000
(By Place of Residence and By Place of Occurrence)

COUNTY	POPULATION	LIVE BIRTHS			DEATHS			FETAL DEATHS		INFANT DEATHS	
		Residence		Occurrence	Residence		Occurrence	Residence		Residence	
		Number	Rate		Number	Rate		Number	Ratio	Number	Rate
CALIFORNIA	34,480,000	531,285	15.4	532,611	228,281	6.6	230,505	3,046	5.7	2,884	5.4
ALAMEDA	1,466,900	22,164	15.1	22,765	9,841	6.7	9,809	136	6.1	103	4.6
ALPINE	1,220	9	7.4	-	6	4.9	11	-	-	-	-
AMADOR	35,450	235	6.6	179	374	10.6	339	-	-	1	a,b
BUTTE	205,400	2,196	10.7	2,624	2,134	10.4	2,288	14	6.4	14	6.4
CALAVERAS	41,000	309	7.5	64	382	9.3	270	3	a,b	1	a,b
COLUSA	19,150	330	17.2	165	144	7.5	122	2	a,b	2	a,b
CONTRA COSTA	963,000	13,204	13.7	11,321	6,648	6.9	6,587	75	5.7	64	4.8
DEL NORTE	28,250	316	11.2	319	269	9.5	299	2	a,b	2	a,b
EL DORADO	158,300	1,628	10.3	1,169	1,101	7.0	947	10	6.1	3	a
FRESNO	816,400	14,262	17.5	15,023	5,360	6.6	5,654	70	4.9	102	7.2
GLENN	26,900	385	14.3	3	258	9.6	146	4	a,b	1	a,b
HUMBOLDT	127,700	1,371	10.7	1,406	1,202	9.4	1,211	8	5.8	10	7.3
IMPERIAL	149,000	2,572	17.3	2,550	840	5.6	783	15	5.8	12	4.7
INYO	18,200	167	9.2	203	189	10.4	179	-	-	1	a,b
KERN	678,500	11,680	17.2	11,186	4,617	6.8	4,450	80	6.8	86	7.4
KINGS	134,500	2,174	16.2	2,583	710	5.3	606	11	5.1	13	6.0
LAKE	59,100	583	9.9	380	825	14.0	688	2	a,b	2	a,b
LASSEN	35,600	263	7.4	237	188	5.3	139	-	-	4	a,b
LOS ANGELES	9,716,100	157,391	16.2	161,185	59,032	6.1	60,238	974	6.2	777	4.9
MADERA	127,700	2,107	16.5	1,437	881	6.9	762	20	9.5	12	5.7
MARIN	250,100	2,824	11.3	1,933	1,833	7.3	1,829	17	6.0	10	3.5
MARIPOSA	17,300	126	7.3	4	152	8.8	109	1	a,b	2	a,b
MENDOCINO	87,400	1,083	12.4	1,031	816	9.3	738	7	6.5	9	8.3
MERCED	214,400	3,874	18.1	3,157	1,318	6.1	1,100	28	7.2	19	4.9
MODOC	9,550	80	8.4	49	92	9.6	72	-	-	-	-
MONO	13,150	128	9.7	82	48	3.7	38	1	a,b	1	a,b
MONTEREY	408,700	6,900	16.9	6,444	2,344	5.7	2,272	27	3.9	39	5.7
NAPA	125,800	1,497	11.9	1,233	1,295	10.3	1,349	5	3.3	6	4.0
NEVADA	93,000	759	8.2	950	858	9.2	810	1	a,b	1	a,b
ORANGE	2,893,100	46,980	16.2	49,455	16,520	5.7	16,769	254	5.4	231	4.9
PLACER	251,800	3,046	12.1	2,540	1,919	7.6	2,181	14	4.6	22	7.2
PLUMAS	21,000	150	7.1	128	205	9.8	174	2	a,b	2	a,b
RIVERSIDE	1,577,700	24,832	15.7	23,049	12,061	7.6	11,541	147	5.9	167	6.7
SACRAMENTO	1,242,000	18,192	14.6	20,245	8,991	7.2	9,568	111	6.1	105	5.8
SAN BENITO	54,500	876	16.1	546	284	5.2	240	4	a,b	4	a,b
SAN BERNARDINO	1,742,300	28,657	16.4	25,150	11,121	6.4	11,706	153	5.3	201	7.0
SAN DIEGO	2,856,300	44,272	15.5	45,757	19,621	6.9	20,337	228	5.1	263	5.9
SAN FRANCISCO	787,500	8,657	11.0	12,484	6,468	8.2	6,708	58	6.7	35	4.0
SAN JOAQUIN	573,600	9,603	16.7	9,198	4,209	7.3	4,241	46	4.8	66	6.9
SAN LUIS OBISPO	249,900	2,435	9.7	2,369	1,976	7.9	1,915	15	6.2	11	4.5
SAN MATEO	717,900	10,440	14.5	6,116	4,706	6.6	4,674	53	5.1	55	5.3
SANTA BARBARA	406,100	5,682	14.0	5,826	2,917	7.2	2,943	32	5.6	32	5.6
SANTA CLARA	1,709,500	27,612	16.2	32,322	8,802	5.1	9,568	144	5.2	123	4.5
SANTA CRUZ	259,300	3,505	13.5	3,617	1,689	6.5	1,653	19	5.4	16	4.6
SHASTA	165,000	1,828	11.1	1,877	1,644	10.0	1,775	6	3.3	11	6.0
SIERRA	3,610	21	5.8	-	29	8.0	31	-	-	-	-
SISKIYOU	44,750	412	9.2	302	480	10.7	448	1	a,b	2	a,b
SOLANO	400,300	5,891	14.7	5,447	2,564	6.4	2,416	40	6.8	27	4.6
SONOMA	464,800	5,651	12.2	5,803	3,835	8.3	3,906	31	5.5	27	4.8
STANISLAUS	454,600	7,241	15.9	8,037	3,401	7.5	3,671	50	6.9	51	7.0
SUTTER	80,200	1,166	14.5	2,013	710	8.9	468	8	6.9	7	6.0
TEHAMA	56,700	686	12.1	589	617	10.9	453	4	a,b	3	a,b
TRINITY	13,100	85	6.5	54	140	10.7	94	1	a,b	-	-
TULARE	375,100	7,251	19.3	6,611	2,639	7.0	2,491	37	5.1	48	6.6
TUOLUMNE	55,200	427	7.7	504	585	10.6	532	2	a,b	6	b
VENTURA	765,300	11,768	15.4	11,032	4,778	6.2	4,546	52	4.4	48	4.1
YOLO	170,900	2,246	13.1	1,854	1,063	6.2	910	15	6.7	14	6.2
YUBA	60,800	1,056	17.4	4	550	9.0	701	6	5.7	10	9.5

- Represents zero events.

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

^b Fetal death ratios and infant mortality rates are not calculated for counties reporting fewer than 1,000 births.

Note: Live birth and death rates are per 1,000 population. Fetal death ratios and infant mortality rates are per 1,000 live births.

Fetal deaths include only those with a stated or presumed period of gestation of 20 weeks or more. Infant deaths are those under one year of age.

County population will not add to total due to rounding.

Source: State of California, Department of Finance, Demographic Research Unit. 2000 Population: Population Estimates for California Counties, Report E-2, July 1, 1990 through July 1, 2000, May 2001. Population data for 2000 are provisional.
State of California, Department of Health Services, Birth, Death and Fetal Death Records.

TABLE 2A
POPULATION, LIVE BIRTHS, DEATHS, FETAL DEATHS, AND INFANT DEATHS
CITY HEALTH DEPARTMENTS, 2000
(By Place of Residence and By Place of Occurrence)

LOCAL HEALTH JURISDICTION	POPULATION Jan. 1, 2000	LIVE BIRTHS			DEATHS			FETAL DEATHS		INFANT DEATHS	
		Residence		Occurrence	Residence		Occurrence	Residence		Residence	
		Number	Rate		Number	Rate		Number	Ratio	Number	Rate
CALIFORNIA	34,207,000	531,285	15.5	532,611	228,281	6.7	230,505	3,046	5.7	2,884	5.4
ALAMEDA	1,455,300	22,164	15.2	22,765	9,841	6.8	9,809	136	6.1	103	4.6
BERKELEY	103,500	946	9.1	7,336	629	6.1	917	6	b	1	a,b
LOS ANGELES	9,643,100	157,391	16.3	161,185	59,032	6.1	60,238	974	6.2	777	4.9
LONG BEACH	467,400	8,409	18.0	9,448	3,261	7.0	3,715	52	6.2	56	6.7
PASADENA	135,500	2,327	17.2	4,654	1,214	9.0	1,385	10	4.3	17	7.3

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

^b Fetal death ratios and infant mortality rates are not calculated for counties/cities reporting fewer than 1,000 births.

Note: Live birth and death rates are per 1,000 population. Fetal death ratios and infant mortality rates are per 1,000 live births.

Fetal deaths include only those with a stated or presumed period of gestation of 20 weeks or more. Infant deaths are those under one year of age.

City numbers are included in their respective county totals.

Source: State of California, Department of Finance, Demographic Research Unit. 2000 Population: Report E-1, City/County Population Estimates, Jan 1, 2000 - Jan 1, 2001, May 2001.

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

SECTION II

LIVE BIRTHS

Presented in **Table 3** through **Table 11** are 2000 data on live births for California, each county, and three city health departments by mother's age, mother's race/ethnicity, infant's birthweight, and trimester prenatal care began.

Live Births by Mother's Age

Table 3 shows the number of births grouped by mother's age for the years 1996-2000. During this time period, the number of births to mothers in the age groups of under 15 through 19 declined, while births to mothers aged 35 and over increased. The largest percentage decrease in the number of live births between 1999 and 2000 was among mothers aged under 15 (-13.8 percent), while the largest percentage increase was among mothers aged 40-44 (9.4 percent).

Mothers aged 25-29 continued to have the largest number of births, followed by 30-34 and 20-24 year-old mothers. These three age groups combined accounted for 73.4 percent of all births in 2000. The percentage of teen births (mothers under the age of 20) among all births decreased to 10.6 percent from 11.1 percent in 1999. Women 35 and over accounted for 16.0 percent of all births in 2000, up from 15.6 percent in 1999 and 14.1 percent in 1996.

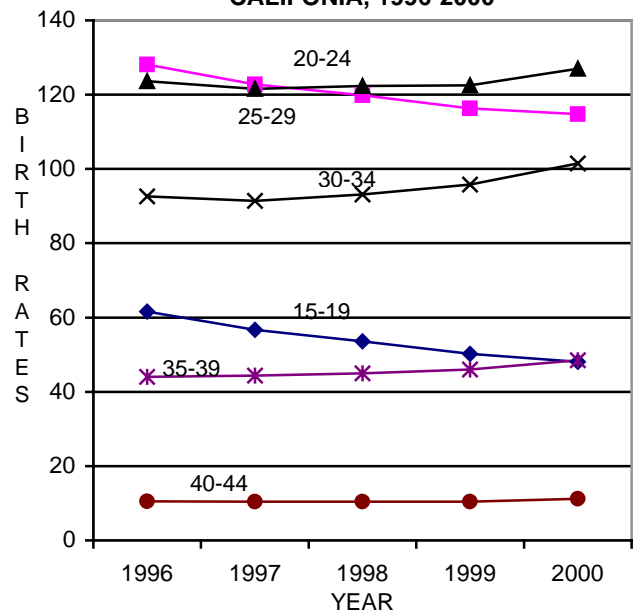
The number of live births in 2000 by mother's age for each county and three city health departments is shown in **Table 4**. Cross-county comparisons of births by mother's age, e.g., percent of teen births, should include more than a single year of data. Other reports from the Department of Health Services provide these types of analyses.⁴

Birth Rates by Mother's Age

Also shown in **Table 3** are the birth rates by mother's age for the years 1996 through 2000, and the changes in these rates between 1999 and 2000. **Figure 2** shows these rates graphically for the age groups of 15-19 through 40-44.

The number of births per 1,000 women aged 15 through 44 (known as the general fertility rate) increased from 70.5 in 1999 to 71.9 in 2000, an increase of 2.0 percent, and a decrease of 3.7 percent from the 1996 rate of 74.7. The birth rate went down in 2000 compared with 1999 in the age groups of under 15 through 20-24. The birth rate increased for mothers aged 25-29 through 40-44. For mothers aged 45 and over, the rate was unchanged from 1999. The largest percentage increase in the birth rate was among mothers aged 40-44 (7.7 percent). Mothers aged under 15 had the largest decrease (-22.2 percent).

FIGURE 2
BIRTH RATES BY AGE OF MOTHER
CALIFORNIA, 1996-2000



Rates are per 1,000 females in specified age groups.
Source: Department of Health Services Birth Records.

Live Births by Mother's Race/Ethnicity

Race and ethnicity data in this report differ from previous reports. Beginning in 2000, race

reporting changed to allow parents to report up to three races on their child's birth certificates. In 2000, 1.9 percent of California resident births (9,870 births) were reported as being to mothers of more than one race. In order to simulate comparability of race/ethnic data for **Table 5**, mothers who reported two or more races were allocated to their first mentioned race on the birth certificates. Other tables in this section report these mothers in a "two or more races" category.

In 2000, among the race/ethnic groups shown in **Table 5**, Hispanic mothers accounted for the largest number of births with 257,958 or 48.6 percent of all births. White mothers accounted for 32.8 percent (174,490 births) of all births. American Indians had the lowest number of births with 2,240 (0.4 percent).

The 2000 data by race/ethnicity is not precisely comparable to earlier years. The percent changes in live births from 1999 and 2000, shown in **Table 5** are at least partly the result of the change in reporting rather than the actual year-to-year change.

The number of live births in 2000 by mother's race/ethnicity for each county and three city health departments is shown in **Table 6**. This table also shows the number of births for which two or more races were reported.

Birth Rates by Mother's Race/Ethnicity

Hispanics had the highest birth rate of any race/ethnic group shown (**Table 5**). Their 2000 birth rate of 24.1 births per 1,000 population was 67.4 percent higher than among Blacks (14.4) and 53.5 percent higher than among Asian/Pacific Islanders (15.7). The birth rate for Whites was the lowest (10.0) followed by the rate among American Indians (10.9). Again, percent changes from 1999 race-specific rates are confounded by changes in race reporting methods.

Live Births by Mother's Age and Race/Ethnicity

Table 7 shows the number of live births in 2000 by both mother's age and race/ethnicity. The

highest percentage of births to mothers under 20 was to American Indian and Black mothers with 16.2 and 15.3 percent respectively. Asian mothers had the lowest percentage of births to mothers under age 20 with 3.6 percent. Of the mothers aged 40 and over, mothers of the White race/ethnic group had the highest percentage of births with 4.6 percent.

Live Births by Birthweight and Mother's Race/Ethnicity

Table 8 shows the number and percent of live births in 2000 by birthweight and race/ethnicity of mother. Among all births in 2000, 32,853 (6.2 percent) weighed less than 2500 grams. Black mothers had the highest percentage of low birthweight infants (11.8 percent), and Hispanic and Pacific Islander mothers had the lowest (5.6 percent).

Numbers of live births in 2000 by birthweight are shown for each county and three city health departments in **Table 9**. Comparisons of low birthweight infants among counties should include more than a single year of data and are contained in other reports from the Department of Health Services.⁴

Live Births by Trimester Prenatal Care Began and Race/Ethnicity of Mother

Table 10 shows the number and percent of live births by trimester prenatal care began and race/ethnicity of mother. In 2000, mothers who received early prenatal care (care beginning in the first trimester) accounted for 441,712 births. The percentage of mothers who received early prenatal care ranged from a high of 90 percent among White mothers to a low of 69 percent among Pacific Islander mothers.

Mothers who received no prenatal care in 2000 (3,180 births) accounted for 0.6 percent of the total births. The percentage of mothers who received no prenatal care ranged from a high of 2.4 percent for Pacific Islander mothers to none for mothers of the Other race group.

Table 11 shows numbers of births in 2000, by the trimester in which prenatal care began, for each county and city health department.

Comparisons of percentages of mothers who received early or no prenatal care among counties should include more than a single year of data and are included in other reports from the Department of Health Services.⁴

**TABLE 3
LIVE BIRTHS AND BIRTH RATES
BY AGE OF MOTHER
CALIFORNIA, 1996 - 2000
(By Place of Residence)**

AGE OF MOTHER (In Years)	NUMBER OF BIRTHS					PERCENT CHANGE 1999 and 2000
	1996	1997	1998	1999	2000	
TOTAL	538,628	524,174	521,265	518,073	531,285	2.6
Under 15	1,485	1,256	1,066	1,038	895	-13.8
15-19	63,118	59,851	58,141	56,577	55,373	-2.1
20-24	127,431	122,924	121,317	120,270	122,591	1.9
25-29	145,795	141,195	140,369	137,637	139,615	1.4
30-34	125,030	121,938	121,326	121,779	127,502	4.7
35-39	61,836	62,674	64,210	65,532	68,685	4.8
40-44	13,158	13,506	14,010	14,272	15,614	9.4
45 and Over	685	766	777	904	957	5.9
Not Stated	90	64	49	64	53	

AGE OF MOTHER (In Years)	BIRTH RATES ¹					PERCENT CHANGE 1999 and 2000
	1996	1997	1998	1999	2000	
TOTAL	74.7 ^a	72.2 ^a	71.2 ^a	70.5 ^a	71.9 ^a	2.0
Under 15	1.3	1.1	0.9	0.9	0.7	-22.2
15-19	61.6	56.7	53.6	50.2	48.1	-4.2
20-24	128.1	122.8	119.8	116.3	114.8	-1.3
25-29	123.6	121.6	122.3	122.5	127.0	3.7
30-34	92.6	91.4	93.1	95.8	101.5	5.9
35-39	44.0	44.4	45.0	46.0	48.5	5.4
40-44	10.5	10.4	10.4	10.4	11.2	7.7
45 and Over	0.6	0.7	0.7	0.8	0.8	-
Not Stated	NA	NA	NA	NA	NA	NA

NA Not Applicable.

¹ Age-specific birth rates are per 1,000 females in specified age groups. "Under 15" rates are calculated per 1,000 females aged 10-14 years; "45 and Over" rates are calculated per 1,000 females aged 45-49 years.

^a Total rates are per 1,000 females 15-44 years of age, technically known as the General Fertility Rate.

- Rate unchanged from prior year.

Note: Rates in this report may differ from rates in previously published Advance Reports since rates were revised to reflect the most current population released by the Department of Finance.

Source: State of California, Department of Finance; 1996 Population: 1970-1996 Population Estimates with Age, Sex and Race/Ethnic Detail, January 1998. 1997 Population: Population Estimates by Age, Sex and Race/Ethnic Detail, June 1999. 1998 Population: Population Estimates by Age, Sex, and Race/Ethnic Detail, May 2000. 1999 and 2000 Population: 1997-2040 Population Projections with Age, Sex and Race/Ethnic Detail, December 1998.

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

TABLE 4
LIVE BIRTHS BY AGE OF MOTHER
CALIFORNIA COUNTIES AND CITY HEALTH DEPARTMENTS, 2000
(By Place of Residence)

COUNTY	TOTAL	AGE OF MOTHER (In Years)													UNKNOWN
		UNDER 15	15	16	17	18	19	20 - 24	25 - 29	30 - 34	35-39	40-44	45-49	50 AND OVER	
CALIFORNIA	531,285	895	2,735	6,012	10,140	15,653	20,833	122,591	139,615	127,502	68,685	15,614	871	86	53
ALAMEDA	22,164	29	94	195	288	476	641	4,099	5,880	6,281	3,412	735	30	2	2
BERKELEY ¹	946	-	2	5	9	9	14	129	193	310	213	60	1	1	-
ALPINE	9	-	-	-	-	-	1	2	5	1	-	-	-	-	-
AMADOR	235	1	1	1	1	6	14	58	69	40	38	6	-	-	-
BUTTE	2,196	7	14	29	48	73	75	636	591	453	204	63	3	-	-
CALAVERAS	309	-	-	2	4	8	22	74	65	59	67	7	1	-	-
COLUSA	330	-	1	4	13	19	21	112	80	38	36	5	1	-	-
CONTRA COSTA	13,204	12	36	99	149	276	381	2,416	3,239	3,783	2,247	533	31	1	1
DEL NORTE	316	2	1	9	18	12	19	111	72	48	19	4	1	-	-
EL DORADO	1,628	2	3	7	18	42	59	313	419	446	271	45	3	-	-
FRESNO	14,262	61	149	299	469	644	799	4,040	3,685	2,583	1,239	271	20	3	-
GLENN	385	1	2	9	16	11	14	105	113	61	42	11	-	-	-
HUMBOLDT	1,371	-	10	10	29	41	67	412	376	262	131	29	4	-	-
IMPERIAL	2,572	3	19	43	93	116	161	693	688	486	228	41	1	-	-
INYO	167	-	1	5	3	7	12	56	33	35	13	2	-	-	-
KERN	11,680	49	90	220	406	520	718	3,582	2,933	1,898	1,013	237	13	-	1
KINGS	2,174	3	31	46	51	101	133	690	597	343	133	45	1	-	-
LAKE	583	2	2	6	16	32	38	170	150	106	44	15	2	-	-
LASSEN	263	-	1	3	6	7	14	93	72	45	17	4	1	-	-
LOS ANGELES	157,391	274	879	1,855	3,067	4,690	6,117	36,292	41,949	36,870	20,269	4,830	258	29	12
LONG BEACH ¹	8,409	19	57	127	176	264	392	2,121	2,246	1,774	1,015	203	13	1	1
PASADENA ¹	2,327	1	8	17	34	35	64	393	598	669	414	92	1	1	-
MADERA	2,107	9	23	54	63	75	126	663	535	341	178	38	2	-	-
MARIN	2,824	-	1	3	17	23	37	262	481	959	775	250	16	-	-
MARIPOSA	126	-	1	4	2	6	10	33	24	23	20	3	-	-	-
MENDOCINO	1,083	1	8	11	31	51	47	329	267	204	106	27	1	-	-
MERCED	3,874	8	36	78	108	170	224	1,211	1,003	653	309	69	5	-	-
MODOC	80	-	1	1	1	6	5	26	21	10	5	4	-	-	-
MONO	128	-	1	2	1	5	8	21	38	24	23	4	-	-	1
MONTEREY	6,900	19	47	89	159	246	317	1,850	1,815	1,426	758	160	11	3	-
NAPA	1,497	2	6	14	20	37	50	302	409	389	219	46	3	-	-
NEVADA	759	1	2	4	8	29	23	182	175	187	123	24	1	-	-
ORANGE	46,980	57	167	376	660	1,047	1,355	8,885	12,652	13,318	6,869	1,516	73	4	1
PLACER	3,046	3	5	15	33	44	76	565	759	926	501	109	10	-	-
PLUMAS	150	1	-	5	3	5	4	42	43	30	16	1	-	-	-
RIVERSIDE	24,832	41	142	326	626	929	1,198	6,622	6,802	5,053	2,547	515	27	4	-
SACRAMENTO	18,192	30	93	201	314	535	787	4,598	5,002	4,100	2,054	439	34	2	3
SAN BENITO	876	3	6	8	14	21	33	221	221	211	116	20	2	-	-
SAN BERNARDINO	28,657	65	163	405	734	1,100	1,470	8,027	7,765	5,623	2,711	559	27	2	6
SAN DIEGO	44,272	57	195	437	689	1,148	1,611	10,276	11,663	11,009	5,792	1,297	79	13	6
SAN FRANCISCO	8,657	8	30	48	82	147	149	1,139	1,896	2,861	1,855	410	26	4	2
SAN JOAQUIN	9,603	23	67	167	245	378	499	2,593	2,583	1,903	929	197	18	1	-
SAN LUIS OBISPO	2,435	2	9	26	38	73	97	553	626	585	337	87	2	-	-
SAN MATEO	10,440	5	20	46	120	183	230	1,545	2,286	3,336	2,118	520	27	1	3
SANTA BARBARA	5,682	12	29	76	120	177	239	1,433	1,471	1,206	729	178	12	-	-
SANTA CLARA	27,612	21	76	187	324	533	687	4,512	7,289	8,373	4,589	954	47	7	13
SANTA CRUZ	3,505	3	13	31	62	104	120	782	820	854	544	157	14	1	-
SHASTA	1,828	2	9	26	32	62	95	552	483	362	170	34	1	-	-
SIERRA	21	-	-	-	-	3	1	5	3	6	2	1	-	-	-
SISKIYOU	412	1	1	4	11	18	18	125	110	78	36	10	-	-	-
SOLANO	5,891	8	34	56	89	173	249	1,510	1,649	1,356	626	132	8	1	-
SONOMA	5,651	6	22	47	73	124	186	1,203	1,467	1,460	841	204	13	3	2
STANISLAUS	7,241	15	45	112	185	258	395	2,175	1,897	1,406	614	130	6	3	-
SUTTER	1,166	2	5	7	25	38	64	322	325	247	109	21	1	-	-
TEHAMA	686	2	7	12	17	39	57	225	175	100	43	9	-	-	-
TRINITY	85	-	1	1	1	4	4	22	18	20	12	2	-	-	-
TULARE	7,251	27	66	149	244	336	455	2,286	1,795	1,221	538	127	7	-	-
TUOLUMNE	427	-	-	6	9	11	16	144	121	73	31	15	1	-	-
VENTURA	11,768	13	59	102	203	329	428	2,457	3,098	3,022	1,666	372	18	1	-
YOLO	2,246	1	7	15	51	59	82	550	569	543	289	71	8	1	-
YUBA	1,056	1	4	19	31	46	75	389	243	166	62	19	1	-	-

- Represents zero events.

¹ Berkeley, Long Beach and Pasadena are city health departments. City numbers are included in their respective county totals.

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

TABLE 5
LIVE BIRTHS AND BIRTH RATES
BY HISPANIC ORIGIN AND FIRST MENTIONED* RACE ¹ OF MOTHER
CALIFORNIA, 1996-2000
(By Place of Residence)

RACE/ETHNICITY OF MOTHER	NUMBER OF BIRTHS					PERCENT CHANGE 1999 and 2000
	1996	1997	1998	1999	2000 *	
TOTAL	538,628	524,174	521,265	518,073	531,285	2.6
HISPANIC	254,672	248,795	247,796	249,253	257,958	3.5
NON-HISPANIC						
AMERICAN INDIAN	2,642	2,582	2,587	2,501	2,240	-10.4
ASIAN/PACIFIC ISLANDER	56,942	56,634	55,536	57,046	62,845	10.2
BLACK	37,029	35,957	35,200	34,136	33,752	-1.1
WHITE ²	187,343	180,206	180,146	175,137	174,490	-0.4

RACE/ETHNICITY OF MOTHER	BIRTH RATE ³					PERCENT CHANGE 1999 and 2000
	1996	1997	1998	1999	2000 *	
TOTAL	23.4	22.5	15.6	15.2	15.3	0.7
HISPANIC	27.3	25.8	24.9	24.1	24.1	-
NON-HISPANIC						
AMERICAN INDIAN	13.7	13.2	13.1	12.3	10.9	-11.4
ASIAN/PACIFIC ISLANDER	16.5	15.8	14.9	14.8	15.7	6.1
BLACK	16.3	15.5	15.0	14.7	14.4	-2.0
WHITE ²	10.9	10.5	10.4	10.1	10.0	-1.0

¹ American Indian, Asian/Pacific Islander, Black, and White exclude Hispanic ethnicity. Hispanic includes any race category.

* Beginning in 2000, up to three races were reported on birth certificates. The race categories on this table were generated from the first mentioned race or Hawaiian (if Hawaiian was second or third). Trends should be viewed with caution. See technical notes.

² Includes White, Other, and Unknown.

³ Rates are per 1,000 population.

- Rate unchanged from prior year.

Note: Population data are available for only these five race/ethnic groups.

Rates in this report may differ from rates in previously published Advance Reports since rates were revised to reflect the most current population released by the Department of Finance.

Source: State of California, Department of Finance; 1996 Population: 1970-1996 Population Estimates with Age, Sex and Race/Ethnic Detail, January 1998. 1997 Population: Population Estimates with Age, Sex and Race/Ethnic Detail, June 1999. 1998 Population: Population Estimates by Age, Sex and Race/Ethnic Detail, May 2000. 1999 - 2000 Population: 1997-2040 Population Projections with Age, Sex and Race/Ethnic Detail, December 1998.

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

TABLE 6
LIVE BIRTHS BY RACE/ETHNICITY ¹ OF MOTHER
CALIFORNIA COUNTIES AND CITY HEALTH DEPARTMENTS, 2000
(By Place of Residence)

COUNTY	TOTAL	RACE/ETHNICITY OF MOTHER								
		HISPANIC	NON-HISPANIC							
			AMERICAN INDIAN ONLY	ASIAN ONLY	BLACK ONLY	PACIFIC ISLANDER ONLY	WHITE ONLY	OTHER ONLY	TWO OR MORE RACES	UNKNOWN ONLY
CALIFORNIA	531,285	257,958	1,975	58,876	32,302	2,376	168,233	173	6,254	3,138
ALAMEDA	22,164	6,269	51	5,410	3,173	178	6,580	8	362	133
BERKELEY ²	946	160	-	123	153	5	485	-	18	2
ALPINE	9	-	4	1	-	-	3	-	1	-
AMADOR	235	26	4	3	1	1	195	-	5	-
BUTTE	2,196	423	31	134	27	3	1,520	-	57	1
CALAVERAS	309	23	4	2	1	-	274	-	4	1
COLUSA	330	207	12	2	-	1	106	-	2	-
CONTRA COSTA	13,204	3,664	33	1,688	1,295	89	6,142	3	197	93
DEL NORTE	316	53	25	11	-	-	202	-	24	1
EL DORADO	1,628	294	7	60	7	3	1,226	-	26	5
FRESNO	14,262	8,424	110	1,214	781	12	3,577	8	101	35
GLENN	385	167	2	12	1	-	189	-	14	-
HUMBOLDT	1,371	146	108	25	10	4	1,017	-	34	27
IMPERIAL	2,572	2,258	1	38	17	-	249	-	5	4
INYO	167	46	22	4	1	-	86	-	8	-
KERN	11,680	6,514	61	365	637	14	3,952	2	110	25
KINGS	2,174	1,208	29	77	105	6	722	2	20	5
LAKE	583	101	34	6	12	1	412	-	13	4
LASSEN	263	34	9	2	3	3	203	-	8	1
LOS ANGELES	157,391	97,719	211	15,537	13,003	544	28,662	71	1,258	386
LONG BEACH ²	8,409	4,394	21	906	1,295	162	1,512	4	97	18
PASADENA ²	2,327	1,034	3	278	252	3	704	2	34	17
MADERA	2,107	1,396	21	24	46	-	606	-	10	4
MARIN	2,824	602	8	188	48	7	1,914	1	35	21
MARIPOSA	126	8	8	-	-	1	107	-	2	-
MENDOCINO	1,083	368	71	10	2	-	596	-	18	18
MERCED	3,874	2,300	9	281	109	8	1,122	1	38	6
MODOC	80	11	3	1	-	-	62	-	3	-
MONO	128	45	1	3	-	1	77	-	1	-
MONTEREY	6,900	4,745	13	321	126	39	1,545	1	70	40
NAPA	1,497	681	5	51	3	6	730	-	16	5
NEVADA	759	102	3	17	-	-	621	-	13	3
ORANGE	46,980	22,991	78	6,340	567	168	16,239	12	383	202
PLACER	3,046	470	16	131	17	5	2,330	-	68	9
PLUMAS	150	14	5	2	-	-	127	-	2	-
RIVERSIDE	24,832	13,459	121	842	1,401	75	8,559	13	310	52
SACRAMENTO	18,192	4,221	105	2,387	2,015	141	8,780	11	470	62
SAN BENITO	876	546	2	22	4	2	291	-	5	4
SAN BERNARDINO	28,657	15,093	128	1,302	2,585	122	9,029	6	341	51
SAN DIEGO	44,272	19,347	177	4,189	2,491	279	16,902	4	722	161
SAN FRANCISCO	8,657	1,888	12	2,898	719	72	2,882	2	153	31
SAN JOAQUIN	9,603	4,099	42	1,185	725	45	3,339	-	147	21
SAN LUIS OBISPO	2,435	705	6	72	18	3	1,572	2	48	9
SAN MATEO	10,440	3,292	17	2,451	244	215	3,992	3	138	88
SANTA BARBARA	5,682	3,357	21	228	86	6	1,886	-	82	16
SANTA CLARA	27,612	9,381	51	8,698	554	132	7,923	7	209	657
SANTA CRUZ	3,505	1,748	7	95	20	6	1,536	-	24	69
SHASTA	1,828	181	54	40	14	6	1,487	3	40	3
SIERRA	21	3	-	-	-	-	18	-	-	-
SISKIYOU	412	69	16	4	4	1	302	2	12	2
SOLANO	5,891	1,625	25	707	844	75	2,403	2	196	14
SONOMA	5,651	1,921	35	249	73	7	3,236	3	84	43
STANISLAUS	7,241	3,366	25	308	164	37	3,171	1	127	42
SUTTER	1,166	396	10	167	21	4	557	-	11	-
TEHAMA	686	176	17	7	2	1	471	-	11	1
TRINITY	85	7	2	1	-	1	68	-	6	-
TULARE	7,251	4,950	42	181	88	5	1,941	4	29	11
TUOLUMNE	427	42	7	6	-	1	362	-	9	-
VENTURA	11,768	5,622	29	584	175	32	4,438	1	125	762
YOLO	2,246	905	9	188	33	10	1,068	-	26	7
YUBA	1,056	250	16	105	30	4	627	-	21	3

- Represents zero events.

¹ Beginning in 2000, up to three races were reported on birth certificates. Comparison with prior years' data should be made with caution, especially for smaller race/ethnic groups.
Hispanic includes any race or races.

² Berkeley, Long Beach and Pasadena are city health departments. City numbers are included in their respective county totals.

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

TABLE 7
LIVE BIRTHS BY AGE AND RACE/ETHNICITY ¹ OF MOTHER
CALIFORNIA, 2000
(By Place of Residence)

AGE OF MOTHER (In Years)	TOTAL	RACE/ETHNICITY OF MOTHER								
		HISPANIC	NON-HISPANIC							
			AMERICAN INDIAN ONLY	ASIAN ONLY	BLACK ONLY	PACIFIC ISLANDER ONLY	WHITE ONLY	OTHER ONLY	TWO OR MORE RACES	UNKNOWN ONLY
TOTAL	531,285	257,958	1,975	58,876	32,302	2,376	168,233	173	6,254	3,138
UNDER 15	895	686	4	18	96	3	73	-	13	2
15	2,735	2,010	15	89	251	9	306	-	44	11
16	6,012	4,344	29	221	487	14	790	1	99	27
17	10,140	7,118	57	375	843	31	1,523	4	146	43
18	15,653	10,362	77	599	1,364	65	2,831	5	278	72
19	20,833	13,058	138	806	1,896	77	4,421	6	347	84
20-24	122,591	73,762	606	6,678	9,420	650	29,203	50	1,685	537
25-29	139,615	70,608	501	16,828	7,655	660	41,178	41	1,444	700
30-34	127,502	48,503	338	20,191	6,036	524	49,750	36	1,296	828
35-39	68,685	22,305	171	10,703	3,462	274	30,407	24	737	602
40-44	15,614	4,961	36	2,216	765	68	7,234	4	156	174
45-49	871	224	1	139	23	1	452	2	9	20
50 AND OVER	86	4	1	10	-	-	56	-	-	15
UNKNOWN	53	13	1	3	4	-	9	-	-	23

- Represents zero events.

¹ Beginning in 2000, mothers could report up to three races on birth certificates. Comparison with prior years' should be made with caution, especially for smaller race/ethnic groups.

Hispanic includes any race or races.

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

**TABLE 8
NUMBER AND PERCENT OF LIVE BIRTHS
BY BIRTHWEIGHT AND RACE/ETHNICITY¹ OF MOTHER
CALIFORNIA, 2000
(BY PLACE OF RESIDENCE)**

BIRTHWEIGHT (IN GRAMS)	TOTAL		RACE/ETHNICITY OF MOTHER																	
			HISPANIC		NON-HISPANIC															
					AMERICAN INDIAN ONLY		ASIAN ONLY		BLACK ONLY		PACIFIC ISLANDER ONLY		WHITE ONLY		OTHER ONLY		TWO OR MORE RACES		UNKNOWN ONLY	
NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER
TOTAL	531,285	100.0	257,958	100.0	1,975	100.0	58,876	100.0	32,302	100.0	2,376	100.0	168,233	100.0	173	100.0	6,254	100.0	3,138	
UNDER 1500	6,075	1.1	2,655	1.0	19	1.0	602	1.0	896	2.8	33	1.4	1,699	1.0	2	1.2	92	1.5	77	
1500-2499	26,778	5.0	11,722	4.5	95	4.8	3,536	6.0	2,913	9.0	101	4.3	7,853	4.7	13	7.5	360	5.8	185	
2500-3499	280,912	52.9	137,291	53.2	899	45.5	37,890	64.4	18,870	58.4	1,078	45.4	79,914	47.5	88	50.9	3,266	52.2	1,616	
3500-4499	208,757	39.3	102,105	39.6	911	46.1	16,470	28.0	9,273	28.7	1,052	44.3	75,261	44.7	66	38.2	2,420	38.7	1,199	
4500 AND OVER	8,754	1.6	4,183	1.6	51	2.6	377	0.6	349	1.1	112	4.7	3,506	2.1	4	2.3	116	1.9	56	
UNKNOWN	9 ^a	-	2 ^a	-	-	-	1 ^a	-	1 ^a	-	-	-	-	-	-	-	-	-	5	

- Represents zero events.

¹ Beginning in 2000, up to three races were reported on birth certificates. Comparison with prior years' data should be made with caution, especially for smaller race/ethnic groups. Hispanic includes any race or races.

^a Unknown birthweight is subtracted from total before percentages are calculated.

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

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

TABLE 9
LIVE BIRTHS BY BIRTHWEIGHT
CALIFORNIA COUNTIES AND CITY HEALTH DEPARTMENTS, 2000
(By Place of Residence)

COUNTY	TOTAL	BIRTHWEIGHT					UNKNOWN
		UNDER 1500 GRAMS	1500 - 2499 GRAMS	2500 - 3499 GRAMS	3500 - 4499 GRAMS	4500 GRAMS AND OVER	
CALIFORNIA	531,285	6,075	26,778	280,912	208,757	8,754	9
ALAMEDA	22,164	266	1,219	11,778	8,524	376	1
BERKELEY ¹	946	6	49	478	396	17	-
ALPINE	9	-	-	7	2	-	-
AMADOR	235	1	7	113	111	3	-
BUTTE	2,196	19	90	1,093	959	35	-
CALAVERAS	309	4	13	162	123	6	1
COLUSA	330	4	12	162	139	13	-
CONTRA COSTA	13,204	138	714	6,532	5,543	277	-
DEL NORTE	316	1	15	157	138	5	-
EL DORADO	1,628	12	81	838	670	27	-
FRESNO	14,262	197	744	7,706	5,389	225	1
GLENN	385	4	20	177	179	5	-
HUMBOLDT	1,371	7	67	587	667	43	-
IMPERIAL	2,572	29	96	1,376	1,021	50	-
INYO	167	1	9	97	58	2	-
KERN	11,680	169	603	6,065	4,625	217	1
KINGS	2,174	21	105	1,091	914	43	-
LAKE	583	5	24	299	242	13	-
LASSEN	263	3	13	141	99	7	-
LOS ANGELES	157,391	1,823	8,257	85,974	58,993	2,341	3
LONG BEACH ¹	8,409	128	477	4,486	3,173	145	-
PASADENA ¹	2,327	34	149	1,337	783	24	-
MADERA	2,107	24	94	1,185	768	36	-
MARIN	2,824	26	146	1,376	1,219	57	-
MARIPOSA	126	1	9	55	60	1	-
MENDOCINO	1,083	6	29	540	480	28	-
MERCED	3,874	48	193	2,049	1,527	57	-
MODOC	80	-	3	41	36	-	-
MONO	128	-	2	92	34	-	-
MONTEREY	6,900	73	316	3,472	2,909	130	-
NAPA	1,497	12	68	697	679	41	-
NEVADA	759	4	32	408	297	18	-
ORANGE	46,980	430	2,131	24,956	18,738	725	-
PLACER	3,046	25	165	1,447	1,348	61	-
PLUMAS	150	-	6	83	58	3	-
RIVERSIDE	24,832	301	1,263	13,219	9,680	369	-
SACRAMENTO	18,192	243	948	9,070	7,541	389	1
SAN BENITO	876	12	39	408	399	18	-
SAN BERNARDINO	28,657	387	1,494	15,455	10,890	431	-
SAN DIEGO	44,272	561	2,107	22,609	18,165	830	-
SAN FRANCISCO	8,657	97	461	4,730	3,266	103	-
SAN JOAQUIN	9,603	109	501	5,125	3,703	165	-
SAN LUIS OBISPO	2,435	18	112	1,166	1,094	45	-
SAN MATEO	10,440	108	532	5,460	4,167	173	-
SANTA BARBARA	5,682	60	255	3,008	2,278	81	-
SANTA CLARA	27,612	294	1,402	15,144	10,397	375	-
SANTA CRUZ	3,505	35	149	1,756	1,496	69	-
SHASTA	1,828	20	94	861	809	44	-
SIERRA	21	-	-	12	9	-	-
SISKIYOU	412	4	25	227	152	4	-
SOLANO	5,891	68	331	2,928	2,443	121	-
SONOMA	5,651	56	264	2,706	2,503	122	-
STANISLAUS	7,241	82	322	3,787	2,948	102	-
SUTTER	1,166	11	56	559	507	33	-
TEHAMA	686	6	37	341	296	6	-
TRINITY	85	-	5	43	33	4	-
TULARE	7,251	88	350	3,797	2,903	112	1
TUOLUMNE	427	3	22	228	164	10	-
VENTURA	11,768	124	570	5,961	4,884	229	-
YOLO	2,246	26	94	1,011	1,053	62	-
YUBA	1,056	9	62	545	428	12	-

- Represents zero events.

¹ Berkeley, Long Beach and Pasadena are city health departments. City numbers are included in their respective county totals.

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

TABLE 10
NUMBER AND PERCENT OF LIVE BIRTHS
BY TRIMESTER PRENATAL CARE BEGAN AND RACE/ETHNICITY ¹ OF MOTHER
CALIFORNIA, 2000
(By Place of Residence)

RACE/ETHNICITY OF MOTHER	TOTAL		TRIMESTER PRENATAL CARE BEGAN								
			FIRST TRIMESTER		SECOND TRIMESTER		THIRD TRIMESTER		NO PRENATAL CARE		UNKNOWN ²
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER
TOTAL	531,285	100.0	441,712	84.5	64,689	12.4	12,871	2.5	3,180	0.6	8,833
HISPANIC	257,958	100.0	204,435	80.8	38,899	15.4	8,059	3.2	1,740	0.7	4,825
NON-HISPANIC											
AMERICAN INDIAN ONLY	1,975	100.0	1,431	73.9	376	19.4	98	5.1	31	1.6	39
ASIAN ONLY	58,876	100.0	51,009	87.7	5,889	10.1	1,080	1.9	208	0.4	690
BLACK ONLY	32,302	100.0	25,841	82.1	4,475	14.2	825	2.6	341	1.1	820
PACIFIC ISLANDER ONLY	2,376	100.0	1,606	69.0	488	21.0	177	7.6	56	2.4	49
WHITE ONLY	168,233	100.0	149,478	90.0	13,471	8.1	2,447	1.5	719	0.4	2,118
OTHER ONLY	173	100.0	142	85.0	18	10.8	7	4.2	-	-	6
TWO OR MORE RACES	6,254	100.0	5,142	83.4	822	13.3	149	2.4	53	0.9	88
UNKNOWN ONLY	3,138	a	2,628	a	251	a	29	a	32	a	198

¹ Beginning in 2000, up to three races were reported on birth certificates. Comparison with prior years' data should be made with caution, especially for smaller race/ethnic groups.

Hispanic includes any race or races.

² Unknown trimester is subtracted from total births before percentages are calculated.

^a Percentage distribution is not calculated for unknown race/ethnicity of mother.

- Represents zero events.

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

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

TABLE 11
LIVE BIRTHS BY TRIMESTER PRENATAL CARE BEGAN
CALIFORNIA COUNTIES AND CITY HEALTH DEPARTMENTS, 2000
(By Place of Residence)

COUNTY	TOTAL	TRIMESTER PRENATAL CARE BEGAN			NO PRENATAL CARE	UNKNOWN
		FIRST TRIMESTER	SECOND TRIMESTER	THIRD TRIMESTER		
CALIFORNIA	531,285	441,712	64,689	12,871	3,180	8,833
ALAMEDA	22,164	19,638	1,807	318	113	288
BERKELEY ¹	946	896	38	5	2	5
ALPINE	9	5	4	-	-	-
AMADOR	235	198	30	2	3	2
BUTTE	2,196	1,637	486	64	9	-
CALAVERAS	309	268	32	3	-	6
COLUSA	330	226	78	23	2	1
CONTRA COSTA	13,204	11,795	984	249	66	110
DEL NORTE	316	251	56	7	1	1
EL DORADO	1,628	1,398	189	24	8	9
FRESNO	14,262	11,878	1,838	339	88	119
GLENN	385	277	91	15	2	-
HUMBOLDT	1,371	1,099	197	51	8	16
IMPERIAL	2,572	1,915	405	139	45	68
INYO	167	114	43	8	1	1
KERN	11,680	8,843	1,600	248	30	959
KINGS	2,174	1,696	370	88	8	12
LAKE	583	418	126	28	4	7
LASSEN	263	214	43	3	1	2
LOS ANGELES	157,391	135,356	16,069	2,862	737	2,367
LONG BEACH ¹	8,409	7,012	977	244	56	120
PASADENA ¹	2,327	2,002	202	39	6	78
MADERA	2,107	1,671	318	86	25	7
MARIN	2,824	2,431	296	52	7	38
MARIPOSA	126	82	29	10	1	4
MENDOCINO	1,083	627	338	94	17	7
MERCED	3,874	2,300	1,155	307	47	65
MODOC	80	61	13	2	2	2
MONO	128	105	20	2	-	1
MONTEREY	6,900	5,408	1,167	267	40	18
NAPA	1,497	977	286	61	6	167
NEVADA	759	614	109	28	6	2
ORANGE	46,980	41,405	4,439	736	177	223
PLACER	3,046	2,629	321	49	14	33
PLUMAS	150	120	23	7	-	-
RIVERSIDE	24,832	19,895	3,633	821	195	288
SACRAMENTO	18,192	14,238	2,999	531	136	288
SAN BENITO	876	735	104	21	4	12
SAN BERNARDINO	28,657	22,218	4,768	862	279	530
SAN DIEGO	44,272	36,085	5,514	1,294	454	925
SAN FRANCISCO	8,657	7,469	879	173	61	75
SAN JOAQUIN	9,603	6,587	2,110	609	92	205
SAN LUIS OBISPO	2,435	1,984	347	76	11	17
SAN MATEO	10,440	9,029	1,113	226	57	15
SANTA BARBARA	5,682	4,435	979	222	20	26
SANTA CLARA	27,612	23,896	2,814	651	107	144
SANTA CRUZ	3,505	3,096	323	59	16	11
SHASTA	1,828	1,591	200	21	11	5
SIERRA	21	14	5	2	-	-
SISKIYOU	412	331	55	12	4	10
SOLANO	5,891	3,778	941	222	54	896
SONOMA	5,651	4,740	573	102	18	218
STANISLAUS	7,241	5,961	964	149	62	105
SUTTER	1,166	767	329	56	10	4
TEHAMA	686	579	93	12	-	2
TRINITY	85	72	9	2	2	-
TULARE	7,251	5,349	1,160	220	43	479
TUOLUMNE	427	382	41	3	1	-
VENTURA	11,768	10,543	989	170	47	19
YOLO	2,246	1,619	474	120	12	21
YUBA	1,056	663	311	63	16	3

- Represents zero events.

¹ Berkeley, Long Beach, and Pasadena are city health departments. City numbers are included in their respective county totals.

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

SECTION III

DEATHS

Table 12 through **Table 17** present data on deaths in 2000 for California and for each of the 58 counties and three city health departments detailed by the ten leading causes of death, age, sex, and race/ethnicity.

Ten Leading Causes of Death

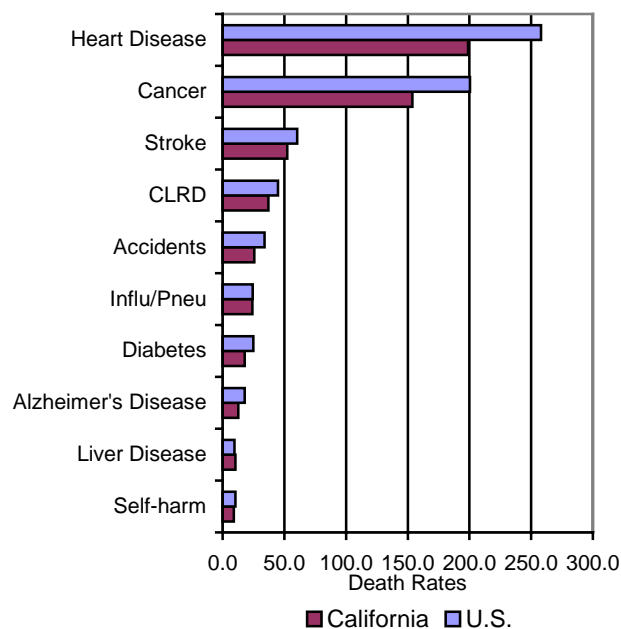
In 2000, heart disease, malignant neoplasms, and cerebrovascular disease remained the first, second, and third leading causes of death, and accounted for 61.2 percent of all deaths (**Table 12**). The ten leading causes were the same in 2000 as they were in 1999.

Six of the leading causes of death in **Table 12** were the same rank for both California residents and residents of the United States.⁷ Two of the remaining four leading causes were the same as the United States but the rank ordering differed. Chronic liver disease and cirrhosis and suicide ranked ninth and tenth for California but were not among the ten leading causes for the United States.

Between 1999 and 2000, seven of the ten leading causes of death increased in number (malignant neoplasms, stroke, influenza and pneumonia, diabetes, Alzheimer's, chronic liver disease and cirrhosis, and intentional self-harm) and three decreased (heart disease, chronic lower respiratory disease (CLRD), and accidents). Alzheimer's had the largest increase in the number of deaths, increasing 11.8 percent from 1999 to 2000. The largest decrease was for CLRD dropping 3.3 percent from 1999.

Table 12 also shows death rates for each of the ten leading causes of death. Death rates for five of the ten leading causes of death decreased from 1999 to 2000, four increased and one was unchanged. The largest decrease in the death rate among the ten leading causes of death was deaths due to CLRD (-4.8 percent). The largest increase in the death rate was due to Alzheimer's Disease (10.0 percent).

FIGURE 4
DEATH RATES FOR TEN LEADING CAUSES
CALIFORNIA AND U.S. , 2000



Rates are per 100,000 population.

Source: National Vital Statistics Reports, Deaths : Preliminary Data for 2000. Department of Health Services Death Records.

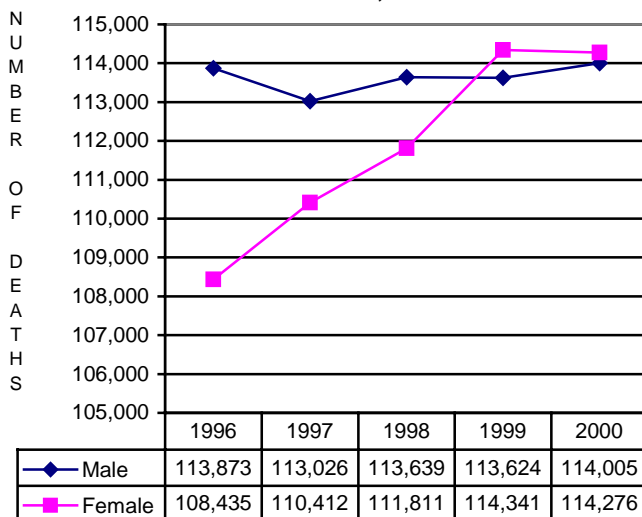
Death rates in 2000 were lower for Californians compared to the preliminary U.S. population report for the same period for nine of the ten leading causes. The death rate was higher in California than the United States for one cause - chronic liver disease and cirrhosis, 10.7 compared to 9.5 (**Table 12 and Figure 4**).

Cause-specific death rates for California's counties are not included in this report since they should be calculated using more than a single year of data. Three-year average, cause-specific death rates are available in other Department of Health Services reports.^{4,5}

Deaths by Age and Sex

In 2000, the total number of deaths to females surpassed the total number of deaths to males (114,276 and 114,005 respectively). This was the second consecutive year that the number of female deaths was higher than the number of male deaths.⁸ **Figure 5** shows the number of deaths by sex for the years 1996-2000. Within this time period, the number of female deaths increased 5.4 percent (5,841 deaths), while the number of male deaths increased 0.1 percent (132 deaths). Between 1999 and 2000 the total number of deaths increased for males (0.3 percent) and decreased for females (-0.1 percent), although the percentage changes varied by age group.

FIGURE 5
NUMBER OF DEATHS BY SEX
CALIFORNIA, 1996 - 2000



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

Table 13 shows that for males between 1999 and 2000, there were decreases in the number of deaths in the age groups 25-44 and 65-84. The largest percentage decrease was in the age group of 65-74, down 3.7 percent. The number of deaths increased for males in the age groups of under 1-24, 45-64, and 85 and over. The largest increase for males was in the 5-14 age group (8.0 percent). For females, there were increases in all age groups with the exception of the age groups 1-4, 15-34, and 65-74. The largest increase for females was in the age group of under 1 (5.7 percent). The largest

decrease for females between 1999 and 2000 was in the age group 1-4 (-9.3 percent).

Table 13 also shows the age and sex-specific death rates among Californians between 1999 and 2000. While the overall death rate for females (662.3) was higher than the death rate for males (655.2), death rates were lower for females compared to males in each age group. Death rates for females decreased between 1999 and 2000 in 9 of the 11 age groups. The largest decrease in the death rate among females was in the age group 1-4 (-9.7 percent). Death rates increased among females in the age groups of under 1 and 35-44 (5.1 and 2.3 percent respectively). For males, death rates decreased in all age groups with the exception of the age groups under 1, 5-14, and 25-34. The death rate for males in the age group of 1-4 was unchanged from 1999. The largest decrease in the death rates for males was in the age group 65-74 (-4.9 percent).

Compared with the preliminary statistics for the United States, as a whole, the overall death rates in 2000 were lower for California's males (655.2 compared to 874.8 deaths per 100,000 males) and females (662.3 compared to 872.3 deaths per 100,000 females).⁷

Table 14 shows the number of deaths in 2000 by age group for each California county and three city health departments. Age-specific rates by county should be calculated by using more than a single year of data and are available in other Department of Health Services reports.⁴

Deaths by Race/Ethnicity

Beginning in 2000, race reporting changed to allow for the reporting of up to three races on death certificates. In 2000, 0.2 percent or 516 deaths to California residents were reported as being multi-race. In order to simulate comparability of race/ethnicity for Table 15, multi-racial decedents were allocated to the first mentioned race on their death certificate. Other tables in this section report these deaths in a "two or more races" category. Trends should be viewed with caution.

Table 15 shows the numbers and rates of death by race/ethnicity for Californians from 1996 through 2000. Whites accounted for the largest number of deaths in each of the five years shown (73.0 percent in 2000).

In 2000, Whites also had the highest death rate of the five race/ethnic groups shown (9.6 deaths per 1,000 population) followed by Blacks (7.5). Hispanics had the lowest death rate with 2.7.

The relatively low death rates among California's American Indian, Asian/Pacific Islander, and Hispanic race/ethnic groups is partly due to the manner in which race/ethnicity is reported among these groups.^{9, 10, 11}

The 2000 race/ethnicity data are not strictly comparable to earlier years. The percent changes shown in **Table 15** may be primarily the result of the change in reporting rather than the actual year to year change. The American Indian group was especially affected by this change.

Table 16 shows the number of deaths in 2000 by race/ethnicity for each California county and three city health departments. This table and in **Table 17** deaths to persons of two or more races are reported separately.

Deaths by Race/Ethnicity, Age, and Sex

Table 17 shows numbers of deaths by race/ethnicity, age, and sex for California in 2000.

**TABLE 12
TEN LEADING CAUSES OF DEATH
CALIFORNIA, 1999 AND 2000
(BY PLACE OF RESIDENCE)**

CAUSE OF DEATH	TENTH REVISION ICD CODE	NUMBER		PERCENT CHANGE 1999 and 2000	RATE		PERCENT CHANGE 1999 and 2000
		1999	2000		1999	2000	
ALL CAUSES	A00-Y899	227,965	228,281	0.1	671.8	662.1	-1.4
DISEASES OF THE HEART	I00-I09,I11,I13,I20-I51	69,900	68,533	-2.0	206.0	198.8	-3.5
MALIGNANT NEOPLASMS	C00-C97	52,880	53,005	0.2	155.8	153.7	-1.4
CEREBROVASCULAR DISEASE	I60-I69	18,079	18,090	0.1	53.3	52.5	-1.5
CHRONIC LOWER RESPIRATORY DISEASES	J40-J47	13,187	12,754	-3.3	38.9	37.0	-4.8
ACCIDENTS	V01-X59,Y85-Y86	8,940	8,814	-1.4	26.3	25.6	-3.0
INFLUENZA AND PNEUMONIA	J10-J18	8,014	8,355	4.3	23.6	24.2	2.6
DIABETES	E10-E14	6,004	6,203	3.3	17.7	18.0	1.7
ALZHEIMER'S DISEASE	G30	3,934	4,398	11.8	11.6	12.8	10.0
CHRONIC LIVER DISEASE AND CIRRHOSIS	K70,K73-K74	3,546	3,673	3.6	10.4	10.7	1.9
INTENTIONAL SELF-HARM (SUICIDE)	X60-X84,Y87.0	3,047	3,113	2.2	9.0	9.0	-
ALL OTHER CAUSES	RESIDUAL	40,434	41,343	2.2			

- Represents no change.

Note: Rates are per 100,000 population.

Percents are rounded independently and may not add to totals.

Source: State of California, Department of Finance, Demographic Research Unit; 1999 and 2000 Population Estimates for California State and Counties, Report E-2, July 1, 1990 through July 1, 2000, May 2001. Population data for 2000 are provisional.

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

**TABLE 13
NUMBER AND RATE OF DEATHS
BY AGE AND SEX
CALIFORNIA, 1999 - 2000
(By Place of Residence)**

AGE (In Years)	NUMBER						PERCENT CHANGE 1999 and 2000		
	1999			2000			TOTAL	MALE	FEMALE
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE			
TOTAL ¹	227,965	113,624	114,341	228,281	114,005	114,276	0.1	0.3	-0.1
UNDER 1	2,787	1,530	1,257	2,884	1,555	1,329	3.5	1.6	5.7
1-4	595	337	258	572	338	234	-3.9	0.3	-9.3
5-14	793	452	341	830	488	342	4.7	8.0	0.3
15-24	3,018	2,268	750	3,036	2,311	725	0.6	1.9	-3.3
25-34	4,296	3,054	1,242	4,131	3,001	1,130	-3.8	-1.7	-9.0
35-44	9,109	5,941	3,168	9,168	5,907	3,261	0.6	-0.6	2.9
45-54	15,907	9,922	5,985	16,284	10,181	6,103	2.4	2.6	2.0
55-64	22,454	13,171	9,283	22,740	13,389	9,351	1.3	1.7	0.7
65-74	41,620	22,980	18,640	40,001	22,128	17,873	-3.9	-3.7	-4.1
75-84	66,388	32,887	33,501	66,557	32,828	33,729	0.3	-0.2	0.7
85 AND OVER	60,926	21,019	39,907	61,970	21,789	40,181	1.7	3.7	0.7

AGE (In Years)	RATE						PERCENT CHANGE 1999 and 2000		
	1999			2000			TOTAL	MALE	FEMALE
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE			
TOTAL ¹	669.1	664.5	673.7	658.8	655.2	662.3	-1.5	-1.4	-1.7
UNDER 1 ^a	503.5	540.6	464.8	518.1	546.3	488.6	2.9	1.1	5.1
1-4	26.8	29.7	23.8	25.7	29.7	21.5	-4.1	-	-9.7
5-14	14.6	16.2	12.9	14.9	17.1	12.6	2.1	5.6	-2.3
15-24	67.2	97.3	34.7	65.8	96.5	32.7	-2.1	-0.8	-5.8
25-34	84.4	113.4	51.9	82.6	113.5	48.0	-2.1	0.1	-7.5
35-44	159.7	204.0	113.5	159.4	200.8	116.1	-0.2	-1.6	2.3
45-54	371.3	466.4	277.5	364.4	458.3	271.5	-1.9	-1.7	-2.2
55-64	848.0	1021.6	683.3	824.8	996.5	661.6	-2.7	-2.5	-3.2
65-74	2139.1	2582.5	1765.4	2043.5	2454.7	1692.5	-4.5	-4.9	-4.1
75-84	5217.0	6330.2	4449.0	5098.4	6147.6	4372.1	-2.3	-2.9	-1.7
85 AND OVER	14201.3	15660.2	13537.1	13778.4	15305.1	13071.3	-3.0	-2.3	-3.4

¹ Includes unknown age.

^a Death rates for "Under 1" are calculated using population data and differ from the infant death rates shown in Tables 1 & 2 which are calculated using the number of live births.

^c Number unchanged from prior year.

Note: Rates are per 100,000 population.

Rates in this report may differ from rates in previously published Advance Reports since rates were revised to reflect the most current population released by the Department of Finance.

Source: State of California, Department of Finance; 1999-2000 Population: 1970-2040 Population Projections with Age, Sex and Race/Ethnic Detail, December 1998.

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

TABLE 14
DEATHS BY AGE
CALIFORNIA COUNTIES AND CITY HEALTH DEPARTMENTS, 2000
(By Place of Residence)

COUNTY	TOTAL	AGE OF DECEDENT (In Years)											UNKNOWN
		UNDER 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 AND OVER	
CALIFORNIA	228,281	2,884	572	830	3,036	4,131	9,168	16,284	22,740	40,001	66,557	61,970	108
ALAMEDA	9,841	103	22	31	106	189	432	793	1,064	1,637	2,781	2,681	2
BERKELEY ¹	629	1	1	-	6	15	22	44	49	94	188	209	-
ALPINE	6	-	-	-	-	-	-	2	1	-	3	-	-
AMADOR	374	1	-	1	1	3	9	26	41	73	139	80	-
BUTTE	2,134	14	2	6	21	26	55	150	154	357	717	632	-
CALAVERAS	382	1	1	1	6	4	15	30	35	94	105	90	-
COLUSA	144	2	-	2	3	3	5	9	14	34	39	33	-
CONTRA COSTA	6,648	64	20	21	63	82	241	482	657	1,106	2,002	1,910	-
DEL NORTE	269	2	1	-	2	5	13	19	36	52	92	47	-
EL DORADO	1,101	3	6	7	14	18	50	79	93	202	338	291	-
FRESNO	5,360	102	19	25	83	98	221	382	543	931	1,519	1,437	-
GLENN	258	1	-	-	4	1	10	19	26	51	83	63	-
HUMBOLDT	1,202	10	2	6	17	22	60	101	132	225	320	307	-
IMPERIAL	840	12	4	9	12	19	38	74	100	182	234	135	21
INYO	189	1	-	-	1	1	2	20	15	32	55	61	1
KERN	4,617	86	13	25	66	106	222	376	492	879	1,287	1,065	-
KINGS	710	13	-	3	13	16	32	78	82	132	182	159	-
LAKE	825	2	3	-	7	12	32	61	73	187	259	189	-
LASSEN	188	4	-	1	-	1	11	16	18	45	52	40	-
LOS ANGELES	59,032	777	173	219	972	1,271	2,636	4,348	6,074	10,235	16,661	15,644	22
LONG BEACH ¹	3,261	56	4	8	48	82	128	278	326	526	916	888	1
PASADENA ¹	1,214	17	5	2	11	25	39	73	107	197	351	386	1
MADERA	881	12	1	5	14	23	24	81	112	157	241	211	-
MARIN	1,833	10	1	3	9	16	55	117	174	300	533	615	-
MARIPOSA	152	2	-	-	2	-	4	16	21	33	46	28	-
MENDOCINO	816	9	-	2	8	6	26	58	84	145	240	237	1
MERCED	1,318	19	3	13	25	32	74	95	165	240	363	289	-
MODOC	92	-	1	-	3	-	3	6	10	16	30	23	-
MONO	48	1	-	-	2	-	6	8	4	4	14	9	-
MONTEREY	2,344	39	4	14	36	41	70	163	207	437	705	628	-
NAPA	1,295	6	2	2	12	11	26	47	94	180	432	483	-
NEVADA	858	1	-	2	8	8	19	55	77	140	288	260	-
ORANGE	16,520	231	39	64	164	270	535	951	1,559	2,861	4,928	4,916	2
PLACER	1,919	22	-	3	17	25	41	135	184	355	610	526	1
PLUMAS	205	2	-	-	5	1	6	9	35	33	65	49	-
RIVERSIDE	12,061	167	37	40	158	229	462	757	1,084	2,342	3,707	3,068	10
SACRAMENTO	8,991	105	21	43	112	156	329	697	980	1,692	2,659	2,196	1
SAN BENITO	284	4	2	1	5	2	10	23	27	35	93	82	-
SAN BERNARDINO	11,121	201	38	66	207	231	538	948	1,270	2,117	3,081	2,420	4
SAN DIEGO	19,621	263	38	47	244	309	760	1,264	1,671	3,402	5,984	5,608	31
SAN FRANCISCO	6,468	35	9	14	56	122	319	546	670	1,023	1,716	1,958	-
SAN JOAQUIN	4,209	66	13	17	65	98	177	350	436	733	1,121	1,133	-
SAN LUIS OBISPO	1,976	11	6	6	18	22	57	105	174	328	618	631	-
SAN MATEO	4,706	55	8	9	42	57	141	274	457	789	1,455	1,419	-
SANTA BARBARA	2,917	32	6	9	25	33	94	175	218	452	915	958	-
SANTA CLARA	8,802	123	21	36	89	154	353	606	940	1,516	2,518	2,444	2
SANTA CRUZ	1,689	16	-	1	18	29	48	166	140	218	498	554	1
SHASTA	1,644	11	-	5	24	23	60	106	145	299	539	432	-
SIERRA	29	-	-	-	-	-	1	2	3	3	9	11	-
SISKIYOU	480	2	-	2	6	4	11	29	43	96	144	141	2
SOLANO	2,564	27	9	8	43	48	119	193	308	450	737	621	1
SONOMA	3,835	27	8	10	24	51	138	232	313	558	1,188	1,286	-
STANISLAUS	3,401	51	8	18	46	68	138	241	373	621	950	887	-
SUTTER	710	7	2	3	9	8	21	44	72	152	193	199	-
TEHAMA	617	3	-	1	6	7	25	40	74	116	192	152	1
TRINITY	140	-	-	-	-	-	5	15	15	36	38	31	-
TULARE	2,639	48	9	19	54	61	131	186	278	455	715	682	1
TUOLUMNE	585	6	-	-	2	7	10	30	55	117	192	166	-
VENTURA	4,778	48	16	9	63	73	187	325	436	785	1,485	1,348	3
YOLO	1,063	14	4	1	15	20	39	76	106	186	293	309	-
YUBA	550	10	-	-	9	9	22	48	76	125	154	96	1

- Represents zero events.

¹ Berkeley, Long Beach and Pasadena are city health departments. City numbers are included in their respective county totals.

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

TABLE 15
DEATHS AND DEATH RATES
BY HISPANIC ORIGIN AND FIRST MENTIONED¹ RACE¹ OF DECEDENT
CALIFORNIA, 1996-2000
(By Place of Residence)

RACE/ETHNICITY OF DECEDENT	NUMBER OF DEATHS					PERCENT CHANGE 1999 and 2000
	1996	1997	1998	1999	2000 [*]	
TOTAL	222,308	223,438	225,450	227,965	228,281	0.1
HISPANIC	26,128	26,470	26,979	27,907	28,557	2.3
NON-HISPANIC						
AMERICAN INDIAN	740	800	798	772	920	19.2
ASIAN/PACIFIC ISLANDER	12,475	13,144	13,591	14,246	14,650	2.8
BLACK	17,925	17,480	17,607	17,842	17,586	-1.4
WHITE ²	165,040	165,544	166,475	167,198	166,568	-0.4

RACE/ETHNICITY OF DECEDENT	DEATH RATES ³					PERCENT CHANGE 1999 and 2000
	1996	1997	1998	1999	2000 [*]	
TOTAL	9.6	6.8	6.7	6.7	6.6	-1.5
HISPANIC	2.8 ^a	2.7 ^a	2.7 ^a	2.7 ^a	2.7 ^a	-
NON-HISPANIC						
AMERICAN INDIAN	3.8 ^a	4.1 ^a	4.0 ^a	3.8 ^a	4.5 ^a	18.4
ASIAN/PACIFIC ISLANDER	3.6 ^a	3.7 ^a	3.6 ^a	3.7 ^a	3.7 ^a	-
BLACK	7.9	7.6	7.5	7.7	7.5	-2.6
WHITE ²	9.6	9.6	9.6	9.6	9.6	-

¹ American Indian, Asian/Pacific Islander, Black and White exclude Hispanic ethnicity. Hispanic includes any race category.

^{*} Beginning in 2000, up to three races were reported on death certificates. The race categories on this table were generated from the first mentioned race or Hawaiian (if Hawaiian was second or third).

Trends should be viewed with caution. See technical notes.

² Includes White, Other and Unknown.

³ Rates are per 1,000 population.

^a Reliability of death rates for Asian/Pacific Islanders, American Indians and Hispanics is questionable due to incorrect reporting of race/ethnicity among these groups.

- Rates unchanged from prior year.

Note: Population data are available for only these five race/ethnic groups.

Rates in this report may differ from rates in previously published Advance Reports since rates were revised to reflect the most current population released by the Department of Finance.

Source: State of California, Department of Finance; 1996 Population: 1970-1996 Population Estimates with Age, Sex and Race/Ethnic Detail, January 1998. 1997 Population: Population Estimates with Age, Sex and Race/Ethnic Detail, June 1999. 1998 Population: Population Estimates with Age, Sex and Race/Ethnic Detail, May 2000. 1999-2000 Population: 1997-2040 Population Projections with Age, Sex and Race/Ethnic Detail, December 1998.

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

TABLE 16
DEATHS BY RACE/ETHNICITY ¹
CALIFORNIA COUNTIES AND CITY HEALTH DEPARTMENTS, 2000
(By Place of Residence)

COUNTY	TOTAL	RACE/ETHNICITY OF DECEDENT								
		HISPANIC	NON-HISPANIC							
			AMERICAN INDIAN ONLY	ASIAN ONLY	BLACK ONLY	PACIFIC ISLANDER ONLY	WHITE ONLY	OTHER ONLY	TWO OR MORE RACES	UNKNOWN ONLY
CALIFORNIA	228,281	28,557	892	14,025	17,482	527	166,228	15	422	133
ALAMEDA	9,841	768	32	989	2,069	53	5,891	-	35	4
BERKELEY ²	629	14	1	33	235	-	343	-	2	1
ALPINE	6	-	3	-	-	-	3	-	-	-
AMADOR	374	6	1	1	1	1	364	-	-	-
BUTTE	2,134	38	13	23	24	-	2,035	-	1	-
CALAVERAS	382	5	1	1	1	-	374	-	-	-
COLUSA	144	23	4	1	2	1	113	-	-	-
CONTRA COSTA	6,648	396	16	363	687	20	5,143	-	23	-
DEL NORTE	269	2	20	-	-	-	247	-	-	-
EL DORADO	1,101	31	4	13	3	-	1,048	-	2	-
FRESNO	5,360	1,036	38	270	288	2	3,717	1	7	1
GLENN	258	8	2	-	-	-	248	-	-	-
HUMBOLDT	1,202	17	53	5	5	-	1,118	-	4	-
IMPERIAL	840	417	8	12	31	1	363	-	2	6
INYO	189	3	12	-	-	-	172	-	2	-
KERN	4,617	699	19	96	259	3	3,533	-	7	1
KINGS	710	166	7	16	39	-	481	-	1	-
LAKE	825	31	9	3	19	1	761	-	1	-
LASSEN	188	3	4	1	3	-	177	-	-	-
LOS ANGELES	59,032	11,107	132	4,645	8,237	131	34,667	3	66	44
LONG BEACH ²	3,261	289	6	204	395	35	2,323	-	3	6
PASADENA ²	1,214	127	8	76	200	-	801	-	1	1
MADERA	881	171	11	13	49	1	635	-	1	-
MARIN	1,833	43	2	42	45	2	1,695	-	3	1
MARIPOSA	152	4	3	-	1	-	144	-	-	-
MENDOCINO	816	23	26	7	2	1	755	-	2	-
MERCED	1,318	231	3	48	84	2	949	-	1	-
MODOC	92	-	2	-	2	-	88	-	-	-
MONO	48	2	4	1	-	-	41	-	-	-
MONTEREY	2,344	368	2	130	97	7	1,731	-	7	2
NAPA	1,295	53	8	19	7	1	1,204	-	3	-
NEVADA	858	23	2	2	1	-	828	-	2	-
ORANGE	16,520	1,562	21	1,140	203	37	13,524	-	18	15
PLACER	1,919	77	9	34	11	2	1,776	1	4	5
PLUMAS	205	3	4	-	4	-	194	-	-	-
RIVERSIDE	12,061	1,394	62	173	578	6	9,824	2	13	9
SACRAMENTO	8,991	559	53	607	730	27	6,987	1	23	4
SAN BENITO	284	72	3	10	2	-	197	-	-	-
SAN BERNARDINO	11,121	1,793	49	260	832	24	8,135	4	23	1
SAN DIEGO	19,621	2,025	55	841	855	63	15,699	2	58	23
SAN FRANCISCO	6,468	521	13	1,502	830	18	3,570	-	11	3
SAN JOAQUIN	4,209	541	17	304	293	4	3,040	-	10	-
SAN LUIS OBISPO	1,976	93	5	21	15	-	1,836	-	5	1
SAN MATEO	4,706	364	7	443	236	51	3,593	-	11	1
SANTA BARBARA	2,917	400	11	76	38	5	2,382	-	5	-
SANTA CLARA	8,802	1,114	20	1,207	218	17	6,205	1	14	6
SANTA CRUZ	1,689	157	4	44	14	3	1,462	-	3	2
SHASTA	1,644	32	30	12	9	-	1,545	-	16	-
SIERRA	29	-	-	-	-	-	29	-	-	-
SISKIYOU	480	14	8	2	6	-	447	-	2	1
SOLANO	2,564	171	4	215	379	18	1,766	-	11	-
SONOMA	3,835	154	20	44	32	6	3,572	-	7	-
STANISLAUS	3,401	349	13	74	64	10	2,887	-	4	-
SUTTER	710	42	3	50	11	-	602	-	2	-
TEHAMA	617	23	3	2	1	-	587	-	1	-
TRINITY	140	-	-	-	1	-	139	-	-	-
TULARE	2,639	569	17	68	46	1	1,937	-	-	1
TUOLUMNE	585	9	3	-	2	-	570	-	1	-
VENTURA	4,778	699	9	130	80	7	3,847	-	4	2
YOLO	1,063	121	6	41	24	1	866	-	4	-
YUBA	550	25	2	24	12	-	485	-	2	-

- Represents zero events.

¹ Beginning in 2000, up to three races were reported on death certificates. Comparison with prior years' data should be made with caution, especially for smaller race/ethnic groups.

Hispanic includes any race or races.

² Berkeley, Long Beach and Pasadena are city health departments. City numbers are included in their respective county totals.

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

TABLE 17
DEATHS BY SEX, RACE/ETHNICITY ¹ AND AGE
CALIFORNIA, 2000
(By Place of Residence)

SEX AND RACE/ETHNICITY	ALL AGES	AGE IN YEARS											85 AND OVER	UNKNOWN
		UNDER 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84			
TOTAL	228,281	2,884	572	830	3,036	4,131	9,168	16,284	22,740	40,001	66,557	61,970	108	
HISPANIC	28,557	1,357	275	348	1,281	1,464	2,240	2,854	3,430	5,197	5,699	4,388	24	
NON-HISPANIC														
AMERICAN INDIAN ONLY	892	8	4	3	28	26	61	127	151	193	171	120	-	
ASIAN ONLY	14,025	205	53	68	210	255	529	1,057	1,575	2,776	4,107	3,189	1	
BLACK ONLY	17,482	413	59	102	435	585	1,259	2,103	2,557	3,370	3,772	2,820	7	
PACIFIC ISLANDER ONLY	527	17	4	2	22	21	45	83	94	118	86	35	-	
WHITE ONLY	166,228	812	169	305	1,033	1,750	4,978	10,002	14,875	28,266	52,637	51,361	40	
OTHER ONLY	15	-	-	-	1	-	2	1	2	4	4	1	-	
TWO OR MORE RACES	422	65	8	2	24	25	43	46	44	57	64	44	-	
UNKNOWN ONLY	133	7	-	-	2	5	11	11	12	20	17	12	36	
MALE	114,005	1,555	338	488	2,311	3,001	5,907	10,181	13,389	22,128	32,828	21,789	90	
HISPANIC	16,002	727	165	206	1,019	1,118	1,518	1,857	2,040	2,905	2,826	1,598	23	
NON-HISPANIC														
AMERICAN INDIAN ONLY	443	6	1	2	13	16	38	70	75	93	83	46	-	
ASIAN ONLY	7,610	106	30	39	145	168	321	623	922	1,547	2,213	1,495	1	
BLACK ONLY	9,064	221	35	60	354	424	763	1,248	1,435	1,827	1,769	923	5	
PACIFIC ISLANDER ONLY	311	13	3	2	14	14	23	53	63	68	42	16	-	
WHITE ONLY	80,254	445	99	179	744	1,239	3,208	6,298	8,822	15,638	25,857	17,690	35	
OTHER ONLY	7	-	-	-	1	-	1	1	-	2	2	-	-	
TWO OR MORE RACES	228	33	5	-	19	18	28	24	22	33	28	18	-	
UNKNOWN ONLY	86	4	-	-	2	4	7	7	10	15	8	3	26	
FEMALE	114,276	1,329	234	342	725	1,130	3,261	6,103	9,351	17,873	33,729	40,181	18	
HISPANIC	12,555	630	110	142	262	346	722	997	1,390	2,292	2,873	2,790	1	
NON-HISPANIC														
AMERICAN INDIAN ONLY	449	2	3	1	15	10	23	57	76	100	88	74	-	
ASIAN ONLY	6,415	99	23	29	65	87	208	434	653	1,229	1,894	1,694	-	
BLACK ONLY	8,418	192	24	42	81	161	496	855	1,122	1,543	2,003	1,897	2	
PACIFIC ISLANDER ONLY	216	4	1	-	8	7	22	30	31	50	44	19	-	
WHITE ONLY	85,974	367	70	126	289	511	1,770	3,704	6,053	12,628	26,780	33,671	5	
OTHER ONLY	8	-	-	-	-	-	1	-	2	2	2	1	-	
TWO OR MORE RACES	194	32	3	2	5	7	15	22	22	24	36	26	-	
UNKNOWN ONLY	47	3	-	-	-	1	4	4	2	5	9	9	10	

- Represents zero events.

¹ Beginning in 2000, up to three races were reported on death certificates. Comparison with prior years' data should be made with caution, especially for smaller race/ethnic groups.

Hispanic includes any race or races.

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

APPENDIX A

**POPULATION PROJECTIONS BY AGE, RACE/ETHNICITY, AND SEX
CALIFORNIA, 2000**

RACE/ETHNICITY AND SEX	TOTAL	AGE (In Years)										
		UNDER 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 AND OVER
TOTAL	34,653,395 ^a	556,635	2,225,385	5,567,090	4,615,641	4,998,216	5,751,694	4,469,059	2,756,954	1,957,505	1,305,454	449,762
MALE	17,398,995	284,653	1,138,537	2,851,540	2,395,832	2,643,192	2,942,371	2,221,466	1,343,573	901,472	533,995	142,364
FEMALE	17,254,400	271,982	1,086,848	2,715,550	2,219,809	2,355,024	2,809,323	2,247,593	1,413,381	1,056,033	771,459	307,398
AMERICAN INDIAN ¹	205,770	2,719	10,972	27,967	29,905	30,181	34,641	30,076	19,539	11,195	6,229	2,346
MALE	100,844	1,391	5,518	14,302	15,440	15,512	16,785	14,086	9,270	5,194	2,564	782
FEMALE	104,926	1,328	5,454	13,665	14,465	14,669	17,856	15,990	10,269	6,001	3,665	1,564
ASIAN/PACIFIC ISLANDER	3,999,427	64,715	255,679	632,103	574,749	619,281	664,083	531,113	298,333	205,886	117,678	35,807
MALE	1,969,339	33,110	131,122	325,167	294,126	313,404	322,372	251,624	141,736	90,501	50,663	15,514
FEMALE	2,030,088	31,605	124,557	306,936	280,623	305,877	341,711	279,489	156,597	115,385	67,015	20,293
BLACK	2,337,935	37,159	147,839	414,580	356,933	352,200	388,391	287,837	168,721	105,627	60,380	18,268
MALE	1,158,309	19,020	75,557	210,046	188,930	185,909	189,399	135,895	78,536	46,350	23,176	5,491
FEMALE	1,179,626	18,139	72,282	204,534	168,003	166,291	198,992	151,942	90,185	59,277	37,204	12,777
HISPANIC	10,688,752	267,741	1,055,221	2,296,937	1,609,062	1,793,492	1,643,440	978,139	506,398	320,415	161,694	56,213
MALE	5,537,421	136,840	539,226	1,173,481	832,517	998,691	880,073	498,051	246,133	146,540	67,052	18,817
FEMALE	5,151,331	130,901	515,995	1,123,456	776,545	794,801	763,367	480,088	260,265	173,875	94,642	37,396
WHITE ²	17,421,511	184,301	755,674	2,195,503	2,044,992	2,203,062	3,021,139	2,641,894	1,763,963	1,314,382	959,473	337,128
MALE	8,633,082	94,292	387,114	1,128,544	1,064,819	1,129,676	1,533,742	1,321,810	867,898	612,887	390,540	101,760
FEMALE	8,788,429	90,009	368,560	1,066,959	980,173	1,073,386	1,487,397	1,320,084	896,065	701,495	568,933	235,368

¹ Includes American Indian, Eskimo, and Aleut.

² Includes White, Other, and Unknown.

^a Total does not match total on Tables 1 and 2 due to independent rounding by race, age, and sex.

Note: American Indian, Asian/Pacific Islander, Black, and White exclude Hispanic ethnicity. Hispanic includes any race category.

Source: State of California, Department of Finance; 2000 Population: Population Projections by Age, Race/Ethnicity and Sex, December 1998.

APPENDIX B

TECHNICAL NOTES

LIMITATIONS OF DATA

Users must recognize limitations of the data to avoid invalid interpretations. For vital statistics data, 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 coding, 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 the rate while, in a large county, it may result in no change 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.

Sampling Error and Vital Statistics

The number of births and deaths reported for an area in California represents complete counts; as such, they are not subject to sampling error, although they are subject to errors in the registration process. However, when the figures are used for analytic purposes, such as comparison of rates over a time period or for different areas, the number of events that actually occurred may be considered as one of a larger series of possible results that could have arisen under the same circumstances.¹² The probable range of values may be estimated from the actual figures according to certain statistical assumptions.

The problem of random variation of rates is well presented in the Technical Appendix to The Vital Statistics of the United States, 1978, Volume I, Natality¹³ and is described as follows:

“In general, distributions of vital events may be assumed to follow the binomial distribution. Estimates of standard error and tests of significance under this assumption are described in most standard statistics texts. When the number of events is large, the standard error, expressed as a percent of the number or rate, is usually small.

When the number is small (perhaps less than 100) and the probability of such an event is small, considerable caution must be observed in interpreting the conditions described by the figures. Such events of rare nature may be assumed to follow a Poisson probability distribution.”

Computing Percents

We computed percents used in this report using only events for which the characteristic is reported. We subtracted the “Unknown” category out before computing the percent.

Race/Ethnicity

For the first time in 2000, birth and death data were collected with multiple race reporting capability for mothers and fathers of infants and for decedents. This is consistent with the 2000 census, and is in compliance with the current Office of Management and Budget directive on collection of race and Hispanic data.

We used the following race/ethnic categories and their definitions in this report:

American Indian – includes American Indian, Eskimo, and Aleut.

Asian – includes Chinese, Japanese, Korean, Vietnamese, Cambodian, Thai, Laotian, Hmong, Asian Indian, Filipino, Asian Unspecified, and Asian Specified.

Black – includes Black and African American.

Pacific Islander – includes Guamanian, Hawaiian, Samoan, and Other Pacific Islander.

White – includes White.

Other – includes Other Specified.

Unknown – includes Refused to State and Unknown.

Two or More – includes any two or more unique mentions of races above.

Hispanic – includes Mexican/Mexican American/Chicano, Puerto Rican, Cuban, Central/South American, other Spanish/Hispanic (born outside the United States), Other Spanish/Hispanic (born in the United States).

For purposes of presenting race/ethnic groups that are mutually exclusive, all persons who indicated they were of Spanish origin were included in the “Hispanic” group regardless of their race or races. All remaining non-Hispanic persons were included in their respective race group, i.e. American Indian, Asian, Black, Pacific Islander, White, Two or More, and Other.

At the time of preparation of this report, data from the 2000 census was not yet available. Therefore, tables which include race-specific rates were prepared by using the first mentioned race. (To be consistent with bridging methodologies used by NCHS for California, 2000 data, Hawaiian was listed as the first mentioned race even if it was mentioned second or third on the certificate).

Population

The Department of Finance (DOF) prepared the population data used as denominators for

calculating rates in this report. At the time of preparation of this report, population data based on 2000 census were not available by sex, age, and race. Therefore 2000 rates are based on the DOF population projections for the years 1997 through 2040. The 1997 population estimates were released in June of 1999 and the 1998 estimates were released in May 2000. We calculated rates in this report using the population estimates for the years 1980 through 1998 and the population projections for 1999 and 2000. Refer to the footnotes on each table for the source of population estimates and projections.

In addition, the population series used to calculate the crude rates in **Table 2A** differs from the population used to calculate the crude rates in **Table 2**. Caution should be exercised when comparing the crude rates among the three city health departments with rates among the 58 counties.

Cause of Death Coding

The classification of diseases has been revised periodically. Beginning with the 1999 death data, the cause of death coding system has changed from the Ninth Revision of the International Classification of Diseases (ICD-9) to the Tenth Revision (ICD-10). This resulted in a “break in the series” of comparability of cause of death statistics. Cause of death from 1998 and earlier should therefore not be compared with 1999 and subsequent data. Two-year comparisons of cause of death data based on ICD-10 are available for the first time in this report.

For more information, see the National Center for Health Statistics (NCHS) web page at: www.cdc.gov/nchs/about/major/dvs/icd10des.htm

APPENDIX C

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

Live Birth: "Live birth is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of the 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 placenta is attached; each product of such a birth is considered live born." This definition was promulgated by the World Health Organization in 1950 and is set forth in the California Administrative Code, Title 17, Chapter 1, Article 3.

Low Birthweight: A live birth weighing less than 2,500 grams (5 pounds, 8 ounces).

Deaths

Fetal death: "Fetal death is 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 Administrative code, Title 17, Chapter 1, Article 3. If fetus is 20 weeks or more gestational age, the death must be registered with the local registrar.

Infant death: A death occurring during the first year of life.

APPENDIX D
RATES AND RATIO

Birth Rates

$$\text{Age-specific birth rate} = \frac{\text{number of live births to women in specific age group}}{\text{estimated female population in that age group}} \times 1,000$$

$$\text{General fertility rate} = \frac{\text{number of live births}}{\text{estimated female population 15-44 years old}} \times 1,000$$

$$\text{Live birth rate (crude birth rate)} = \frac{\text{number of live births}}{\text{estimated total population}} \times 1,000$$

Death Rates and Ratio

$$\text{Age-specific death rate} = \frac{\text{number of deaths in specific age group}}{\text{estimated population in that age group}} \times 100,000$$

$$\text{Death rate (crude death rate)} = \frac{\text{number of deaths}}{\text{estimated total population}} \times 1,000$$

$$\text{Death rate from a specific cause} = \frac{\text{number of deaths from a specific cause}}{\text{estimated total population}} \times 100,000$$

$$\text{Fetal death ratio} = \frac{\text{number of reportable fetal deaths}}{\text{total number of live births}} \times 1,000$$

$$\text{Infant mortality rate} = \frac{\text{number of deaths under 1 year of age}}{\text{total number of live births}} \times 1,000$$

APPENDIX E

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