Center for
Health Statistics

November
2005

DATA
SUMMARY
No. DS05-
11000

This Data Summary is one of a series of leading cause of death reports.

HIGHLIGHTS

- **HIVD remains the eighth leading cause of death among Black males in California.**
- **California's HIVD age-adjusted death rate, per 100,000 population, dropped 11.4 percent from 4.4 in 2001 to 3.9 in 2003.**
- **San Francisco County had the highest reliable HIVD age-adjusted death rate in 2003 of 20.7 per 100,000 population.**
- **California has not yet achieved the Healthy People 2010 National Objective for HIVD of no more than 0.7 deaths per 100,000 population.**

Human Immunodeficiency Virus Disease Deaths California, 2000-2003

By Steven Shippen

Introduction

In the United States (U.S.), the estimated number of deaths due to AIDS or human immunodeficiency virus disease (HIVD) increased 1.6 percent from 17,741 in 2000 to 18,017 in 2003.[1] In California, HIVD deaths decreased 6.1 percent from 1,453 in 2000 to 1,364 in 2003.[2]

Of the race/ethnic groups, deaths in the U.S. among persons with AIDS from 1999 through 2003 decreased among Whites and Asians/Pacific Islanders, increased among Hispanics, and remained stable among Blacks and American Indians/Alaska Natives.[1] California resident HIVD deaths from 2000 through 2003 decreased among Blacks and Whites, increased among Asians/Pacific Islanders, and remained stable among American Indians/Alaska Natives and Hispanics.

Persons with HIV/AIDS include those with a diagnosis of HIV infection (not AIDS), a diagnosis of HIV infection and a later diagnosis of AIDS, or concurrent diagnoses of HIV infection and AIDS. An estimated 1,039,000 to 1,185,000 persons in the U.S. were living with HIV/AIDS at the end of 2003.[3] Of these, 32,048 cases were reported in 2003 from the 33 areas (32 states and the U.S. Virgin Islands) with long-term, confidential name-based HIV reporting.[3] The Centers for Disease Control and Prevention (CDC) estimates that when all 50 states are considered, approximately 40,000 persons become infected with HIV each year.[3]

This report presents data on California resident deaths due to HIVD during 2000 through 2003, primarily focusing on 2003, with analysis of crude and age-adjusted death rates by sex, age, race/ethnicity, and county. Data were extracted from California's vital statistics records with death attributed to HIVD as defined by International Classification of Diseases, Tenth Revision (ICD-10)

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[1] Centers for Disease Control and Prevention, Division of HIV/AIDS. HIV/AIDS Surveillance Report, 2003 (Vol. 15). URL: http://www.cdc.gov/hiv/stats/2003surveillancereport.pdf

[2] State of California, Department of Health Services, Death Records.

[3] Glynn M, Rhodes P. Estimated HIV prevalence in the United States at the end of 2003. National HIV Prevention Conference. June 2005. URL: http://www.cdc.gov/hiv/PUBS/Facts/At-A-Glance.htm

A description of methods with a brief overview of Data Limitations and Qualifications are provided at the end of this report.

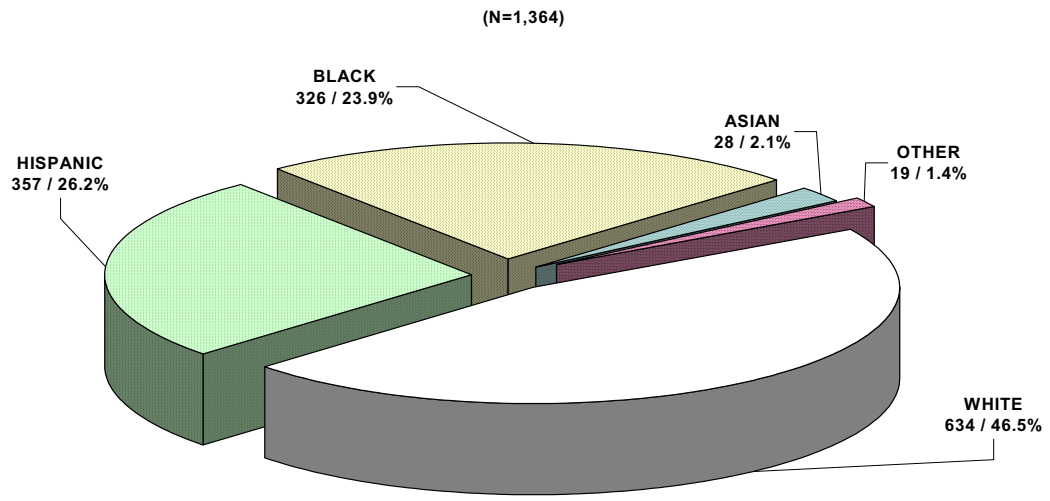
codes B20-B24, in accordance with the National Center for Health Statistics (NCHS) reports.[4] Population data include the most recent projections released by the State of California, Department of Finance.[5]

As with other diseases, "survival analysis" is the most appropriate statistical technique for determining whether survival has increased. Therefore, the mortality data within this report should be supplemented with incidence data to adequately measure the impact of the HIVD epidemic. Data related to the incidence of HIVD in California can be obtained from the California Department of Health Services, Office of AIDS.

HIVD Deaths

Tables 1- 4 (pages 10-13) present California resident HIVD death statistics for years 2000 through 2003 by race/ethnicity, age group, and sex. While HIVD deaths in 2003 decreased by 89 or 6.1 percent from HIVD deaths in 2000, deaths among males remain significantly higher than among females. Averaging 6.3 male deaths to every female death over the four years, the male to female ratio of 6.5 to 1 was highest in 2003 compared with the lowest ratio of 5.9 to 1 in 2002. Shown in **Table 1** (page 10), males accounted for 1,182 or 86.7 percent of the HIVD deaths in 2003 where females accounted for 182 HIVD deaths or 13.3 percent.

FIGURE 1
HIVD DEATHS BY RACE/ETHNICITY*
CALIFORNIA, 2003



Source: State of California, Department of Health Services, Death Records, 2003.
Note: Other includes American Indian, Pacific Islander, and Two or More Races.
* Calculated using death data for California residents only.
Percentages may not add to 100% due to rounding.

Shown in **Figure1** for 2003**,** Whites had the highest percentage of HIVD deaths with 46.5 percent, followed by Hispanics with 26.2 percent, Blacks with 23.9 percent, Asians with 2.1 percent, and Other with 1.4 percent. Other includes American Indian with 0.5 percent, Pacific Islander with 0.3 percent, and Two or More Races with 0.6 percent.

[4] National Center for Health Statistics. Vital Statistics, Instructions for Classifying the Underlying Cause of Death. NCHS Instruction Manual, Part 9. Public Health Service. Hyattsville, Maryland. 1999.
[5] State of California, Department of Finance, Demographic Research Unit.
URL: http://www.dof.ca.gov/HTML/DEMOGRAP/DRU_datafiles/Race/RaceData_2000-2050.htm

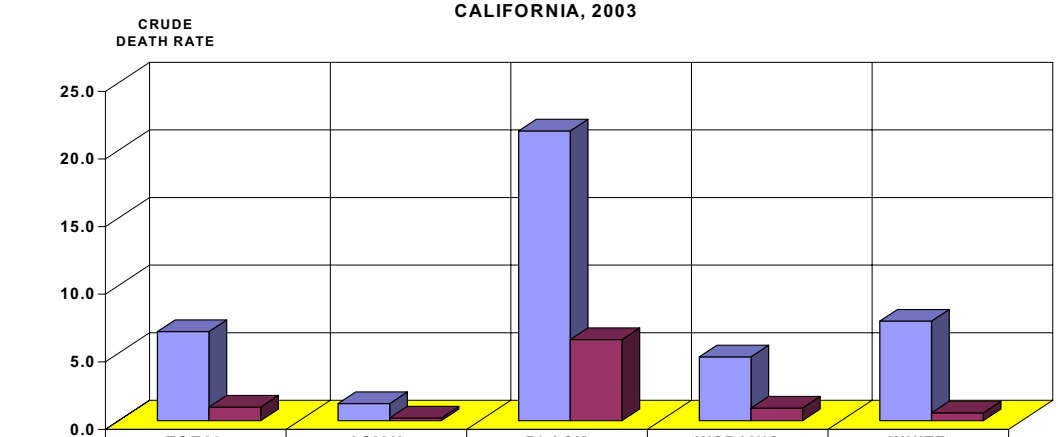
See the Methodological Approach section later in this report for an explanation of crude and age-adjusted death rates.

HIVD Crude Death Rates

Table 1 (page 10) shows California's crude death rate in 2003 was 3.8 per 100,000 population, a statistically significant decrease of 11.6 percent from the 4.3 rate in 2000 (**Table 4,** page 13).[2] California's crude death rate in 2003 was also substantially lower than the U.S. rate of 4.7 per 100,000 population.[6]

From 2000 through 2003, reliable crude death rates were significantly higher for males than for females statewide and within each race/ethnic group. Among males, the 2003 crude rate of 6.6 per 100,000 population was 10.8 percent lower than the 7.4 rate in 2000. Among females, the crude death rate declined 16.7 percent from 1.2 in 2000 to 1.0 in 2003. The decrease in male rates between 2000 and 2003 was statistically significant, while the decline in female rates was not significant.

FIGURE 2
HIVD CRUDE DEATH RATES
BY SEX AND RACE/ETHNICITY*
CALIFORNIA, 2003



	TOTAL	ASIAN	BLACK	HISPANIC	WHITE
MALE	6.6	1.3	21.4	4.7	7.4
FEMALE	1.0	0.2	6.0	0.9	0.6

Note: Total includes American Indian, Pacific Islander, and Two or More Races.
Not shown are unreliable male and female rates for American Indian, Pacific Islander, and Two or More Races.
Includes unreliable rate for Asian female, shown only for graphic presentation.
* Calculated using death data for California residents only.
Source: State of California, Department of Health Services, Death Records, 2003.

Comparisons between rates for 2000 and 2003 show significant decreases in the Black and White crude death rates for 2003. Even though crude death rates for Blacks and Whites are declining, these groups continue to have the highest crude death rates among the race/ethnic groups. As shown in **Table 1** (page 10), Blacks in 2003 had the highest reliable crude death rate (13.6), followed by Whites (3.9), Hispanics (2.9), and Asians (0.7). The differences between each of these crude death rates were statistically significant.

Figure 2 for 2003 shows that among males, Blacks had the highest crude death rate (21.4 per 100,000 population) followed by Whites (7.4), Hispanics (4.7), and Asians (1.3). Female crude death rates were highest among Blacks (6.0) followed by Hispanics (0.9) and Whites (0.6). Of the reliable sex-specific rates, the difference in rates between each race/ethnic group was significant. The crude death rate for Asian females was unreliable (0.2).

[6] Hoyert DL, Kung HC, Smith BL. Deaths: Preliminary Data for 2003. National Vital Statistics Reports; Vol. 53, No.15., National Center for Health Statistics. February 2005.

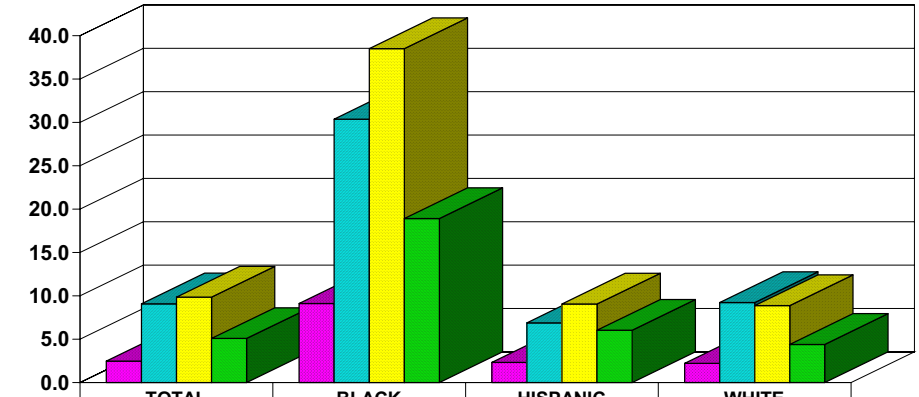
See the Vital Statistics Query System (VSQ) at our Web site www.applications.dhs.ca.gov/vsq/default.asp to create your own vital statistics tables.

HIVD Age-Specific Death Rates

Tables 1- 4 (pages 10-13) display age-specific death rates by sex and race/ethnic groups. Age-specific death rates, regardless of sex or race/ethnic group, were unreliable where there were fewer than 19 deaths (numerator data).

HIVD deaths in 2003 ranked sixth in the U.S. among persons aged 25 to 44 with a death rate of 8.2 per 100,000 population.[6] California resident HIVD deaths in 2003 ranked sixth in age group 25 to 34 and fifth in age group 35 to 44 with death rates of 2.5 and 9.1, respectively. Compared with age-specific death rates in 2000, the rate among California residents aged 25 to 34 declined 35.9 percent from 3.9 and the rate for residents aged 35 to 44 declined 13.3 percent from 10.5. From 2000 to 2003, the death rates for Blacks decreased 34.5 percent in age group 25 to 34 and 7.6 percent in age group 35 to 44. Similarly, among these respective age groups, the death rates for Hispanics decreased 32.4 percent and 23.3 percent and the rates for Whites decreased 43.6 percent and 12.4 percent. Of resident death rates in age group 45 to 54, Blacks declined 17.9 percent, Hispanics declined 9.0 percent, and Whites increased 6.0 percent from 2000 to 2003.

FIGURE 3
HIVD AGE-SPECIFIC DEATH RATES
BY RACE/ETHNICITY AND AGE GROUP*
CALIFORNIA, 2003



	TOTAL	BLACK	HISPANIC	WHITE
25-34	2.5	9.1	2.3	2.2
35-44	9.1	30.4	6.9	9.2
45-54	9.9	38.5	9.1	8.9
55-64	5.1	18.9	6.0	4.4

Note: Total includes American Indian, Asian, Pacific Islander, and Two or More Races.
Not shown are unreliable rates for American Indian, Asian, Pacific Islander, and Two or More Races.
* Calculated using death data for California residents only.
Source: State of California, Department of Health Services, Death Records, 2003.

Figure 3 shows reliable age-specific death rates for 2003 by race/ethnicity and age group**.** Comparisons of the reliable rates indicate that, regardless of age group, Blacks were three to four times more likely to die of HIVD than any other race/ethnic group. Hispanics had the second highest death rates, except in age group 35 to 44. Whites had the lowest age-specific death rates among the race/ethnic groups, except in age group 35 to 44 where Hispanics were lowest. HIVD age-specific death rates for American Indian, Asian, Pacific Islander, and Two or More Races were unreliable. Not shown in **Figure 3,** but displayed in Table 1, is the overall 65 to 74 age group death rate of 2.4 per 100,000 population, where Hispanics had a higher rate than Whites (5.8 to 1.5).

You can read more about crude and age-adjusted death rates on the National Center for Health Statistics Web site at www.cdc.gov/nchs

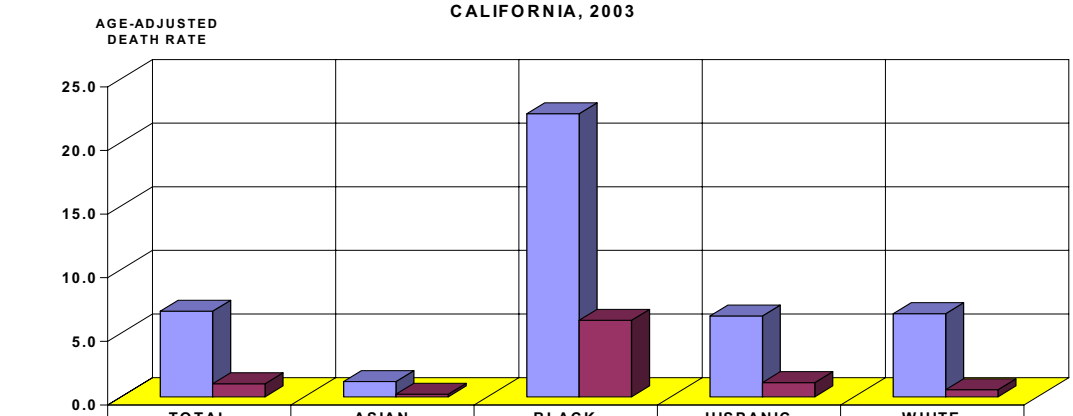
HIVD Age-Adjusted Death Rates

As shown in **Table 1** (page 10), California's HIVD age-adjusted death rate in 2003 was 3.9 per 100,000 population, a statistically significant decrease of 11.4 percent from the age-adjusted death rate of 4.4 in 2000 (**Table 4,** page 13).[2] Although the age-adjusted death rate for California in 2003 was substantially lower than the U.S. age-adjusted rate of 4.7, California did not meet the Healthy People 2010 National Health Objective (HP2010) of reducing the number of HIVD deaths to an age-adjusted death rate of no more than 0.7 per 100,000 population.[6,7]

From 2000 through 2003, reliable age-adjusted death rates were significantly higher for males than for females both statewide and by race/ethnic group. Comparisons between rates for 2000 and 2003 show a significant decrease in the Black and White age-adjusted death rates in 2003. Among males, the 2003 age-adjusted death rate of 6.7 per 100,000 population was 11.8 percent lower than the 7.6 rate in 2000. The age-adjusted death rate among females declined 16.7 percent from 1.2 in 2000 to 1.0 in 2003. The decline in male HIVD death rates between 2000 and 2003 was statistically significant.

Table 1 (page 10) shows that Blacks (13.8) had the highest reliable age-adjusted death rate in 2003 followed by Hispanics (3.7), Whites (3.6), and Asians (0.7). Except for Hispanics compared with Whites, the differences in reliable age-adjusted death rates among the race/ethnic groups were statistically significant.

FIGURE 4
HIVD AGE-ADJUSTED DEATH RATES
BY SEX AND RACE/ETHNICITY*
CALIFORNIA, 2003



	TOTAL	ASIAN	BLACK	HISPANIC	WHITE
MALE	6.7	1.2	22.2	6.4	6.5
FEMALE	1.0	0.2	6.0	1.1	0.6

Note: Total includes American Indian, Pacific Islander, and Two or More Races.
Not shown are unreliable male and female rates for American Indian, Pacific Islander, and Two or More Races.
Includes unreliable rate for Asian female, shown only for graphic presentation.
* Calculated using death data for California residents only.
Source: State of California, Department of Health Services, Death Records, 2003.

Figure 4 shows that among males in 2003, Blacks had the highest age-adjusted death rate (22.2 per 100,000 population) followed by Whites (6.5), Hispanics (6.4), and Asians (1.2). Female age-adjusted death rates were highest among Blacks (6.0) followed by Hispanics (1.1), and Whites (0.6). Of the reliable sex-specific rates, the difference in rates between each race/ethnic group was significant except between White and Hispanic males. The age-adjusted death rate for Asian females was unreliable (0.2).

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

For more data and prior reports, see the DHS Center for Health Statistics, Home Page http://www.dhs.ca.gov/OHIR

HIVD Death Data for California Counties

Table 5 (page 14) displays the 2001 to 2003 three-year average number of deaths, crude death rates, and age-adjusted death rates for California and its 58 counties. Data were averaged over a three-year period to reduce large fluctuations in death rates that are inherent among counties with a small number of deaths or population.

Three counties with the highest average number of deaths were Los Angeles County (519.0) followed by San Francisco County (178.3) and San Diego County (121.3).

Twelve counties had reliable crude and age-adjusted death rates. San Francisco County had the highest crude death rate (22.6) and the highest age-adjusted death rate (20.7). Orange County had the lowest crude (1.9) and lowest age-adjusted (1.9) death rates.

A comparison of county age-adjusted rates with California's overall rate shows that two counties (Orange and Santa Clara) had a significantly lower age-adjusted death rate and two counties (Los Angeles and San Francisco) had a significantly higher age-adjusted death rate.

The Healthy People 2010 National Objective to reduce HIVD deaths to an age-adjusted rate of no more than 0.7 deaths per 100,000 population was met by nine counties (none with a reliable age-adjusted death rate). California as a whole did not meet the objective with an average age-adjusted death rate of 4.1 for the three-year period.

Please refer to the Data Limitations and Qualifications section for an explanation regarding significance testing between the county and state age-adjusted rates.

HIVD Deaths among the Three City Health Jurisdictions

Table 6 shows the average number of HIVD deaths during 2001 to 2003 and the crude death rates for three of California's city health jurisdictions. Long Beach had the highest average number of deaths (46.0), followed by Pasadena (8.0), and Berkeley (2.3). The crude death rates per 100,000 population were 9.7 for Long Beach, 5.8 for Pasadena, and 2.2 for Berkeley. However, the crude rates for Berkeley and Pasadena were unreliable.

Age-adjusted rates were not calculated for the city health jurisdictions because the city population estimates by age were unavailable.

TABLE 6
HIVD DEATHS
AMONG THE CITY HEALTH JURISDICTIONS*
CALIFORNIA, 2001-2003

CITY HEALTH JURISDICTION	NUMBER OF DEATHS (Average)	2002 POPULATION	CRUDE DEATH RATE
BERKELEY	2.3	104,254	2.2 **
LONG BEACH	46.0	473,363	9.7
PASADENA	8.0	138,904	5.8 **

Note: Rates are per 100,000 population; ICD-10 codes B20-B24.
*Calculated using death data for California residents only.
** Death rate unreliable (relative standard error is greater than or equal to 23 percent).
Sources: State of California, Department of Finance, E-4 Population Estimates for Cities, Counties and the State, 2001-2005, with 2000 DRU Benchmark, May 2005.
State of California, Department of Health Services, Death Records.

Methodological Approach

The methods used to analyze vital statistics data are important. Analyzing only the number of deaths has its disadvantages and can be misleading because the population at risk is not taken into consideration. Crude death rates show the actual rate of dying in a given population, but because of the differing age compositions of various populations, crude rates do not provide a statistically valid method for comparing geographic areas and/or multiple reporting periods. Age-specific death rates are the number of deaths per 100,000 population in a specific age group and are used along with standard population proportions to develop a weighted average rate. The weighted average rate is referred to as an age-adjusted death rate and removes the effect of different age structures of the populations whose rates are being compared. Age-adjusted death rates therefore provide the preferred method for comparing different race/ethnic groups, sexes, and geographic areas and for measuring death rates over time.

Age-adjusted rates are presented when the single, summary measure is needed, but data analysts should inspect age-specific rates first.[8] Age-specific rates provide insights to important age-related mortality trends that can be masked by age-adjusted rates. For example, a shift in the number of deaths from one age group to another could produce very little change in the age-adjusted rate, but may warrant further investigation. In addition, analysis of age-specific rates can reveal that populations being compared do not show a consistent relationship (e.g., the trend is not in the same direction for all age-specific rates) in which case the analysis of age-specific rates is recommended over age-adjusted rates.

Data Limitations and Qualifications

The HIVD death data presented in this report are based on the vital statistics records with ICD-10 codes B20-B24 as defined by the NCHS.[4] Deaths by place of residence means that the data include only those deaths occurring among residents of California, regardless of the place of death.

The term “significant” within the text indicates statistical significance based on the difference between two independent rates ($p < .05$). Significant difference between the county and State age-adjusted death rates was determined by comparing the 95 percent confidence intervals (CI) of the two rates, which are based on the rate, standard deviation, and standard error. Rates were considered to be significantly different from each other when their CIs (rounded to the nearest hundredth) did not overlap. If the upper limit of the county CI fell below the lower limit of the State CI, the county rate was deemed to be significantly lower. If the lower limit of the county CI exceeded the higher limit of the State CI, the county rate was deemed to be significantly higher. Significant differences of overlapping CIs were not addressed in this report. Overlapping CIs require a more precise statistical measure to determine significant and non-significant differences in rates because CIs may overlap as much as 29 percent and still be significantly different.[9]

The county or State age-adjusted mortality rates that equaled or surpassed the HP2010 objective target rate were noted as achieved, regardless of rate reliability. Readers are cautioned that measuring progress toward target attainment for a HP2010 objective

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[8] Choi BCK, de Guia NA, and Walsh P. Look before you leap: Stratify before you standardize. American Journal of Epidemiology, 149: 1087-1096. 1999.

[9] van Belle G. Statistical Rules of Thumb, Rule 2.5. Wiley Publishing. March 2002

using only one data point is not recommended. HP2010 guidelines recommend using absolute differences between the target rate and the most recent data point as well as a progress quotient to measure relative changes over time in monitoring progress toward achieving the objective target rate.[10] See the guidelines for HP2010 objectives on the NCHS website at http://www.cdc.gov/nchs/hphome.htm

As with any vital statistics data, caution needs to be exercised when analyzing small numbers, including the rates derived from them. Death rates calculated from a small number of deaths and/or population tend to be unreliable and subject to significant variation. To assist the reader, the 95 percent CIs are provided in the data tables as a tool for measuring the reliability of death rates. Rates with a relative standard error (coefficient of variation) greater than or equal to 23 percent are indicated with an asterisk (*). The CIs represent the range of values likely to contain the "true" value 95 percent of the time.

Beginning in 1999 cause of death is reported using ICD-10.[11] Cause of death for 1979 through 1998 was coded using the International Classification of Diseases, Ninth Revision (ICD-9). Depending on the specific cause of death, the numbers of deaths and death rates are not comparable between ICD-9 and ICD-10. Therefore, our analyses do not combine both ICD-9 and ICD-10 data.

To meet the U.S. Office of Management and Budget minimum standards for race and ethnicity data collection and reporting, the report presents the following race/ethnic groups: American Indian, Asian, Black, Hispanic, Pacific Islander, White, and Two or More Races. Hispanic origin of decedents is determined first and includes any race group. Second, decedents of the Two or More Races group are determined and are not reported in single race groups. In order to remain consistent with the population data obtained from the Department of Finance, the single race groups are defined as follows: the "American Indian" race group includes Aleut, American Indian, and Eskimo; the "Asian" race group includes Asian Indian, Asian (specified/unspecified), Cambodian, Chinese, Filipino, Hmong, Japanese, Korean, Laotian, Thai, and Vietnamese; the "Pacific Islander" race group includes Guamanian, Hawaiian, Samoan, and Other Pacific Islander; the "White" race group includes White, Other (specified), Not Stated, and Unknown.

Caution should be exercised in the interpretation of mortality data by race/ethnicity. Misclassification of race/ethnicity on death certificates may contribute to death rates that may be understated among American Indians, Asians, Hispanics, and Pacific Islanders.[12] This problem could contribute to understatements of rates for the Two or More Races group as well. All race groups may not be individually displayed on the tables due to unreliable rates, but the State totals do include their data.

Beginning in 2000 federal race/ethnicity reporting guidelines changed to allow reporting of more than one race on death certificates. California initiated use of the new guidelines on January 1, 2000, and collects up to three races. California's population estimates recently added the multirace (Two or More Races) group. To be consistent with the population groups, current reports tabulate race of decedent using all races mentioned on

[10]Keppel KG, et al. Measuring Progress in Healthy People 2010. Healthy People 2010 Statistical Notes, No. 25. National Center for Health Statistics. Hyattsville, Maryland. September 2004.

[11]World Health Organization. International Statistical Classification of Diseases and Related Health Problems. Tenth Revision. Geneva: World Health Organization. 1992.

[12]Rosenberg HM, et al. Quality of Death Rates by Race and Hispanic Origin: A Summary of Current Research, 1999. Vital and Health Statistics, Series 2, No. 128, National Center for Health Statistics, DHHS Pub. No. (PHS) 99-1328, September 1999.

the death certificate. Therefore, prior reports depicting race group statistics based on single race are not comparable with current reports.

The 2000 U.S. population standard was used for calculating age-adjustments in accordance with statistical policy implemented by NCHS.[13] Age-adjusted death rates are not comparable when rates are calculated with different population standards, e.g., the 1940 standard population. Additionally, population data used to calculate city crude rates in **Table 6** (page 6) differ from population data used to calculate county crude rates in **Table 5** (page 14). Caution should be exercised when comparing the crude rates of the three city health jurisdictions with the crude rates of the 58 California counties. Age-adjusted rates for city health jurisdictions were not calculated.

A more complete explanation of age-adjustment methodology is available in the "Healthy People 2010 Statistical Notes" publication.[14] Detailed information on data quality and limitations is presented in the appendix of the annual report, "Vital Statistics of California."[15] Formulas used to calculate death rates are included in the technical notes of the "County Health Status Profiles" report.[16]

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[13] Anderson RN, Rosenberg HM. Age Standardization of Death Rates: Implementation of the Year 2000 Standard. National Vital Statistics Reports; Vol. 47, No. 3. National Center for Health Statistics. Hyattsville, Maryland. 1998.
[14] Klein RJ, Schoenborn CA. Healthy People 2010 Statistical Notes: Age Adjustment using the 2000 Projected U.S. Population. National Center for Health Statistics, DHHS Publication, No 20. January 2001.
[15] Ficenec S, Bindra K, Christensen J. Vital Statistics of California, 2002. Center for Health Statistics, California Department of Health Services, April 2004.
[16] Shippen S, Wilson C. County Health Status Profiles 2005. Center for Health Statistics, California Department of Health Services, April 2005.

TABLE 1
HIVD DEATHS BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2003
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
										TOTAL		MALE		FEMALE	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL[1]															
UNDER 1	1	0	1	531,434	271,162	260,272	0.2 *	0.0 +	0.4 *	0.0	0.6	-	-	0.0	1.1
1 - 4	0	0	0	2,008,528	1,026,713	981,815	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	5,420,822	2,777,200	2,643,622	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	18	12	6	5,160,658	2,691,409	2,469,249	0.3 *	0.4 *	0.2 *	0.2	0.5	0.2	0.7	0.0	0.4
25 - 34	130	99	31	5,246,137	2,705,863	2,540,274	2.5	3.7	1.2	2.1	2.9	2.9	4.4	0.8	1.6
35 - 44	513	441	72	5,648,662	2,870,936	2,777,726	9.1	15.4	2.6	8.3	9.9	13.9	16.8	2.0	3.2
45 - 54	475	430	45	4,819,832	2,382,693	2,437,139	9.9	18.0	1.8	9.0	10.7	16.3	19.8	1.3	2.4
55 - 64	160	140	20	3,146,705	1,520,342	1,626,363	5.1	9.2	1.2	4.3	5.9	7.7	10.7	0.7	1.8
65 - 74	48	42	6	1,997,161	921,535	1,075,626	2.4	4.6	0.6 *	1.7	3.1	3.2	5.9	0.1	1.0
75 - 84	16	15	1	1,414,654	587,119	827,535	1.1 *	2.6 *	0.1 *	0.6	1.7	1.3	3.8	0.0	0.4
85 & OLDER	3	3	0	540,374	183,447	356,927	0.6 *	1.6 *	0.0 +	0.0	1.2	0.0	3.5	-	-
UNKNOWN	0	0	0												
TOTAL	1,364	1,182	182	35,934,967	17,938,419	17,996,548	3.8	6.6	1.0	3.6	4.0	6.2	7.0	0.9	1.2
AGE-ADJUSTED							3.9	6.7	1.0	3.6	4.1	6.3	7.1	0.9	1.2
ASIAN															
UNDER 1	1	0	1	49,099	25,103	23,996	2.0 *	0.0 +	4.2 *	0.0	6.0	-	-	0.0	12.3
1 - 4	0	0	0	181,821	93,219	88,602	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	500,584	258,445	242,139	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	1	0	1	547,727	281,307	266,420	0.2 *	0.0 +	0.4 *	0.0	0.5	-	-	0.0	1.1
25 - 34	3	3	0	609,005	297,832	311,173	0.5 *	1.0 *	0.0 +	0.0	1.1	0.0	2.1	-	-
35 - 44	11	10	1	654,269	313,201	341,068	1.7 *	3.2 *	0.3 *	0.7	2.7	1.2	5.2	0.0	0.9
45 - 54	10	10	0	590,179	275,078	315,101	1.7 *	3.6 *	0.0 +	0.6	2.7	1.4	5.9	-	-
55 - 64	2	1	1	356,471	166,544	189,927	0.6 *	0.6 *	0.5 *	0.0	1.3	0.0	1.8	0.0	1.6
65 - 74	0	0	0	236,933	103,366	133,567	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
75 - 84	0	0	0	146,599	62,184	84,415	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
85 & OLDER	0	0	0	47,703	19,092	28,611	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	28	24	4	3,920,390	1,895,371	2,025,019	0.7	1.3	0.2 *	0.4	1.0	0.8	1.8	0.0	0.4
AGE-ADJUSTED							0.7	1.2	0.2 *	0.4	0.9	0.7	1.7	0.0	0.4
BLACK															
UNDER 1	0	0	0	32,376	16,503	15,873	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	122,874	62,658	60,216	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	415,801	211,605	204,196	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	3	1	2	379,857	197,146	182,711	0.8 *	0.5 *	1.1 *	0.0	1.7	0.0	1.5	0.0	2.6
25 - 34	30	18	12	329,285	162,507	166,778	9.1	11.1 *	7.2 *	5.9	12.4	6.0	16.2	3.1	11.3
35 - 44	122	96	26	401,674	200,729	200,945	30.4	47.8	12.9	25.0	35.8	38.3	57.4	8.0	17.9
45 - 54	123	100	23	319,425	155,654	163,771	38.5	64.2	14.0	31.7	45.3	51.7	76.8	8.3	19.8
55 - 64	36	28	8	190,319	88,453	101,866	18.9	31.7	7.9 *	12.7	25.1	19.9	43.4	2.4	13.3
65 - 74	9	7	2	117,685	53,462	64,223	7.6 *	13.1 *	3.1 *	2.7	12.6	3.4	22.8	0.0	7.4
75 - 84	1	1	0	63,864	24,858	39,006	1.6 *	4.0 *	0.0 +	0.0	4.6	0.0	11.9	-	-
85 & OLDER	2	2	0	24,128	7,218	16,910	8.3 *	27.7 *	0.0 +	0.0	19.8	0.0	66.1	-	-
UNKNOWN	0	0	0												
TOTAL	326	253	73	2,397,288	1,180,793	1,216,495	13.6	21.4	6.0	12.1	15.1	18.8	24.1	4.6	7.4
AGE-ADJUSTED							13.8	22.2	6.0	12.3	15.3	19.5	25.0	4.6	7.4
HISPANIC															
UNDER 1	0	0	0	265,727	135,553	130,174	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	972,443	496,688	475,755	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	2,487,194	1,271,424	1,215,770	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	12	9	3	2,211,661	1,170,782	1,040,879	0.5 *	0.8 *	0.3 *	0.2	0.8	0.3	1.3	0.0	0.6
25 - 34	53	41	12	2,282,378	1,215,342	1,067,036	2.3	3.4	1.1 *	1.7	2.9	2.3	4.4	0.5	1.8
35 - 44	129	105	24	1,872,178	969,722	902,456	6.9	10.8	2.7	5.7	8.1	8.8	12.9	1.6	3.7
45 - 54	105	96	9	1,159,100	572,129	586,971	9.1	16.8	1.5 *	7.3	10.8	13.4	20.1	0.5	2.5
55 - 64	36	31	5	595,540	279,290	316,250	6.0	11.1	1.6 *	4.1	8.0	7.2	15.0	0.2	3.0
65 - 74	20	17	3	344,493	151,957	192,536	5.8	11.2 *	1.6 *	3.3	8.4	5.9	16.5	0.0	3.3
75 - 84	2	1	1	180,074	74,189	105,885	1.1 *	1.3 *	0.9 *	0.0	2.6	0.0	4.0	0.0	2.8
85 & OLDER	0	0	0	54,755	19,164	35,591	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	357	300	57	12,425,543	6,356,240	6,069,303	2.9	4.7	0.9	2.6	3.2	4.2	5.3	0.7	1.2
AGE-ADJUSTED							3.7	6.4	1.1	3.3	4.1	5.6	7.1	0.8	1.4
WHITE															
UNDER 1	0	0	0	168,928	86,181	82,747	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	608,995	311,436	297,559	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	1,786,666	918,847	867,819	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	2	2	0	1,831,860	947,345	884,515	0.1 *	0.2 *	0.0 +	0.0	0.3	0.0	0.5	-	-
25 - 34	42	35	7	1,885,206	961,929	923,277	2.2	3.6	0.8 *	1.6	2.9	2.4	4.8	0.2	1.3
35 - 44	238	218	20	2,579,091	1,318,760	1,260,331	9.2	16.5	1.6	8.1	10.4	14.3	18.7	0.9	2.3
45 - 54	234	221	13	2,633,665	1,323,757	1,309,908	8.9	16.7	1.0 *	7.7	10.0	14.5	18.9	0.5	1.5
55 - 64	85	79	6	1,933,678	952,538	981,140	4.4	8.3	0.6 *	3.5	5.3	6.5	10.1	0.1	1.1
65 - 74	19	18	1	1,259,989	594,985	665,004	1.5	3.0 *	0.2 *	0.8	2.2	1.6	4.4	0.0	0.4
75 - 84	13	13	0	1,003,097	416,813	586,284	1.3 *	3.1 *	0.0 +	0.6	2.0	1.4	4.8	-	-
85 & OLDER	1	1	0	404,890	134,702	270,188	0.2 *	0.7 *	0.0 +	0.0	0.7	0.0	2.2	-	-
UNKNOWN	0	0	0												
TOTAL	634	587	47	16,096,065	7,967,293	8,128,772	3.9	7.4	0.6	3.6	4.2	6.8	8.0	0.4	0.7
AGE-ADJUSTED							3.6	6.5	0.6	3.3	3.8	6.0	7.1	0.4	0.7

Notes: Rates are per 100,000 population. ICD-10 codes B20-B24.
Year 2000 U.S. standard population is used for age-adjusted rates.
American Indian, Asian, Black, Pacific Islander, White, and Two or More Races excludes Hispanic ethnicity. Hispanic includes any race category.

+ Standard error indeterminate, death rate based on no (zero) deaths.
* Death rate unreliable (relative standard error is greater than or equal to 23 percent).
- Confidence limit is not calculated for no (zero) events.
[1] Includes deaths for American Indian (7), Pacific Islander (4), and Two or More Races (8) not individually shown due to unreliable rates.

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

TABLE 2
HIVD DEATHS BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2002
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
										TOTAL		MALE		FEMALE	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL[1]															
UNDER 1	1	0	1	516,411	263,488	252,923	0.2 *	0.0 +	0.4 *	0.0	0.6	-	-	0.0	1.2
1 - 4	0	0	0	1,976,342	1,010,549	965,793	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	1	1	0	5,412,306	2,773,346	2,638,960	0.0 *	0.0 *	0.0 +	0.0	0.1	0.0	0.1	-	-
15 - 24	14	13	1	5,045,468	2,631,609	2,413,859	0.3 *	0.5 *	0.0 *	0.1	0.4	0.2	0.8	0.0	0.1
25 - 34	170	140	30	5,288,247	2,724,113	2,564,134	3.2	5.1	1.2	2.7	3.7	4.3	6.0	0.8	1.6
35 - 44	578	491	87	5,607,549	2,846,141	2,761,408	10.3	17.3	3.2	9.5	11.1	15.7	18.8	2.5	3.8
45 - 54	443	384	59	4,679,130	2,308,857	2,370,273	9.5	16.6	2.5	8.6	10.3	15.0	18.3	1.9	3.1
55 - 64	170	148	22	2,962,280	1,429,870	1,532,410	5.7	10.4	1.4	4.9	6.6	8.7	12.0	0.8	2.0
65 - 74	41	36	5	1,954,020	896,870	1,057,150	2.1	4.0	0.5 *	1.5	2.7	2.7	5.3	0.1	0.9
75 - 84	5	4	1	1,383,065	571,663	811,402	0.4 *	0.7 *	0.1 *	0.0	0.7	0.0	1.4	0.0	0.4
85 & OLDER	0	0	0	513,989	171,306	342,683	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	1,423	1,217	206	35,338,807	17,627,812	17,710,995	4.0	6.9	1.2	3.8	4.2	6.5	7.3	1.0	1.3
AGE-ADJUSTED							4.1	7.0	1.2	3.9	4.3	6.6	7.4	1.0	1.3
ASIAN															
UNDER 1	0	0	0	45,926	23,458	22,468	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	178,330	91,534	86,796	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	507,351	262,076	245,275	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	1	1	0	557,144	284,561	272,583	0.2 *	0.4 *	0.0 +	0.0	0.5	0.0	1.0	-	-
25 - 34	4	3	1	644,621	313,918	330,703	0.6 *	1.0 *	0.3 *	0.0	1.2	0.0	2.0	0.0	0.9
35 - 44	15	10	5	659,156	314,894	344,262	2.3 *	3.2 *	1.5 *	1.1	3.4	1.2	5.1	0.2	2.7
45 - 54	9	8	1	578,796	268,890	309,906	1.6 *	3.0 *	0.3 *	0.5	2.6	0.9	5.0	0.0	1.0
55 - 64	7	6	1	337,662	157,274	180,388	2.1 *	3.8 *	0.6 *	0.5	3.6	0.8	6.9	0.0	1.6
65 - 74	2	2	0	233,048	101,009	132,039	0.9 *	2.0 *	0.0 +	0.0	2.0	0.0	4.7	-	-
75 - 84	0	0	0	137,756	58,678	79,078	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
85 & OLDER	0	0	0	41,956	16,705	25,251	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	38	30	8	3,921,746	1,892,997	2,028,749	1.0	1.6	0.4 *	0.7	1.3	1.0	2.2	0.1	0.7
AGE-ADJUSTED							0.9	1.6	0.4 *	0.6	1.2	1.0	2.1	0.1	0.6
BLACK															
UNDER 1	0	0	0	27,144	13,839	13,305	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	126,271	64,316	61,955	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	1	1	0	411,254	209,155	202,099	0.2 *	0.5 *	0.0 +	0.0	0.7	0.0	1.4	-	-
15 - 24	2	2	0	358,775	185,649	173,126	0.6 *	1.1 *	0.0 +	0.0	1.3	0.0	2.6	-	-
25 - 34	53	34	19	327,826	161,945	165,881	16.2	21.0	11.5	11.8	20.5	13.9	28.1	6.3	16.6
35 - 44	149	107	42	395,874	197,451	198,423	37.6	54.2	21.2	31.6	43.7	43.9	64.5	14.8	27.6
45 - 54	113	85	28	304,136	147,575	156,561	37.2	57.6	17.9	30.3	44.0	45.4	69.8	11.3	24.5
55 - 64	37	29	8	179,445	83,390	96,055	20.6	34.8	8.3 *	14.0	27.3	22.1	47.4	2.6	14.1
65 - 74	8	6	2	113,055	51,054	62,001	7.1 *	11.8 *	3.2 *	2.2	12.0	2.3	21.2	0.0	7.7
75 - 84	0	0	0	62,587	24,248	38,339	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
85 & OLDER	0	0	0	23,307	6,933	16,374	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	363	264	99	2,329,674	1,145,555	1,184,119	15.6	23.0	8.4	14.0	17.2	20.3	25.8	6.7	10.0
AGE-ADJUSTED							15.7	23.5	8.3	14.1	17.3	20.6	26.3	6.7	10.0
HISPANIC															
UNDER 1	1	0	1	256,278	130,761	125,517	0.4 *	0.0 +	0.8 *	0.0	1.2	-	-	0.0	2.4
1 - 4	0	0	0	950,953	485,542	465,411	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	2,449,592	1,252,436	1,197,156	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	9	9	0	2,147,131	1,140,661	1,006,470	0.4 *	0.8 *	0.0 +	0.1	0.7	0.3	1.3	-	-
25 - 34	69	64	5	2,222,788	1,182,208	1,040,580	3.1	5.4	0.5 *	2.4	3.8	4.1	6.7	0.1	0.9
35 - 44	147	131	16	1,788,037	924,255	863,782	8.2	14.2	1.9 *	6.9	9.6	11.7	16.6	0.9	2.8
45 - 54	88	77	11	1,086,080	535,046	551,034	8.1	14.4	2.0 *	6.4	9.8	11.2	17.6	0.8	3.2
55 - 64	35	28	7	554,789	259,751	295,038	6.3	10.8	2.4 *	4.2	8.4	6.8	14.8	0.6	4.1
65 - 74	6	5	1	330,157	145,276	184,881	1.8 *	3.4 *	0.5 *	0.4	3.3	0.4	6.5	0.0	1.6
75 - 84	3	2	1	167,231	68,658	98,573	1.8 *	2.9 *	1.0 *	0.0	3.8	0.0	7.0	0.0	3.0
85 & OLDER	0	0	0	49,930	17,160	32,770	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	358	316	42	12,002,966	6,141,754	5,861,212	3.0	5.1	0.7	2.7	3.3	4.6	5.7	0.5	0.9
AGE-ADJUSTED							3.7	6.4	0.9	3.3	4.1	5.6	7.1	0.6	1.2
WHITE															
UNDER 1	0	0	0	150,846	76,936	73,910	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	613,463	314,208	299,255	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	1,819,031	935,673	883,358	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	2	1	1	1,802,388	930,873	871,515	0.1 *	0.1 *	0.1 *	0.0	0.3	0.0	0.3	0.0	0.3
25 - 34	42	37	5	1,956,447	999,574	956,873	2.1	3.7	0.5 *	1.5	2.8	2.5	4.9	0.1	1.0
35 - 44	263	240	23	2,625,877	1,342,353	1,283,524	10.0	17.9	1.8	8.8	11.2	15.6	20.1	1.1	2.5
45 - 54	231	212	19	2,599,031	1,304,396	1,294,635	8.9	16.3	1.5	7.7	10.0	14.1	18.4	0.8	2.1
55 - 64	90	84	6	1,825,358	898,529	926,829	4.9	9.3	0.6 *	3.9	5.9	7.3	11.3	0.1	1.2
65 - 74	24	23	1	1,242,058	582,927	659,131	1.9	3.9	0.2 *	1.2	2.7	2.3	5.6	0.0	0.4
75 - 84	2	2	0	996,270	411,887	584,383	0.2 *	0.5 *	0.0 +	0.0	0.5	0.0	1.2	-	-
85 & OLDER	0	0	0	391,271	127,805	263,466	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	654	599	55	16,022,040	7,925,161	8,096,879	4.1	7.6	0.7	3.8	4.4	7.0	8.2	0.5	0.9
AGE-ADJUSTED							3.7	6.7	0.6	3.4	4.0	6.2	7.3	0.5	0.8

Notes: Rates are per 100,000 population. ICD-10 codes B20-B24.
Year 2000 U.S. standard population is used for age-adjusted rates.
American Indian, Asian, Black, Pacific Islander, White, and Two or More Races excludes Hispanic ethnicity. Hispanic includes any race category.

\+ Standard error indeterminate, death rate based on no (zero) deaths.
* Death rate unreliable (relative standard error is greater than or equal to 23 percent).
\- Confidence limit is not calculated for no (zero) events.
[1] Includes deaths for American Indian (7), Pacific Islander (2), and Two or More Races (1) not individually shown due to unreliable rates.

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

TABLE 3
HIVD DEATHS BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2001
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
										TOTAL		MALE		FEMALE	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL[1]															
UNDER 1	0	0	0	518,927	264,741	254,186	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	1,960,105	1,002,866	957,239	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	3	1	2	5,377,327	2,755,213	2,622,114	0.1 *	0.0 *	0.1 *	0.0	0.1	0.0	0.1	0.0	0.2
15 - 24	17	11	6	4,956,819	2,584,393	2,372,426	0.3 *	0.4 *	0.3 *	0.2	0.5	0.2	0.7	0.1	0.5
25 - 34	220	181	39	5,284,524	2,720,908	2,563,616	4.2	6.7	1.5	3.6	4.7	5.7	7.6	1.0	2.0
35 - 44	588	516	72	5,566,274	2,820,571	2,745,703	10.6	18.3	2.6	9.7	11.4	16.7	19.9	2.0	3.2
45 - 54	446	385	61	4,552,753	2,244,282	2,308,471	9.8	17.2	2.6	8.9	10.7	15.4	18.9	2.0	3.3
55 - 64	155	139	16	2,774,474	1,337,024	1,437,450	5.6	10.4	1.1 *	4.7	6.5	8.7	12.1	0.6	1.7
65 - 74	50	42	8	1,920,122	876,170	1,043,952	2.6	4.8	0.8 *	1.9	3.3	3.3	6.2	0.2	1.3
75 - 84	14	14	0	1,341,150	551,924	789,226	1.0 *	2.5 *	0.0 +	0.5	1.6	1.2	3.9	-	-
85 & OLDER	2	2	0	477,265	155,766	321,499	0.4 *	1.3 *	0.0 +	0.0	1.0	0.0	3.1	-	-
UNKNOWN	0	0	0												
TOTAL	1,495	1,291	204	34,729,740	17,313,858	17,415,882	4.3	7.5	1.2	4.1	4.5	7.0	7.9	1.0	1.3
AGE-ADJUSTED							4.4	7.6	1.2	4.1	4.6	7.2	8.0	1.0	1.3
ASIAN															
UNDER 1	0	0	0	47,353	24,180	23,173	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	175,354	90,196	85,158	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	506,076	261,333	244,743	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	0	0	0	558,118	283,682	274,436	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 - 34	4	4	0	652,150	316,603	335,547	0.6 *	1.3 *	0.0 +	0.0	1.2	0.0	2.5	-	-
35 - 44	8	7	1	654,655	311,736	342,919	1.2 *	2.2 *	0.3 *	0.4	2.1	0.6	3.9	0.0	0.9
45 - 54	8	8	0	559,132	259,407	299,725	1.4 *	3.1 *	0.0 +	0.4	2.4	0.9	5.2	-	-
55 - 64	1	1	0	317,844	147,600	170,244	0.3 *	0.7 *	0.0 +	0.0	0.9	0.0	2.0	-	-
65 - 74	2	1	1	226,106	97,488	128,618	0.9 *	1.0 *	0.8 *	0.0	2.1	0.0	3.0	0.0	2.3
75 - 84	0	0	0	127,700	54,562	73,138	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
85 & OLDER	0	0	0	36,199	14,378	21,821	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	23	21	2	3,860,687	1,861,165	1,999,522	0.6	1.1	0.1 *	0.4	0.8	0.6	1.6	0.0	0.2
AGE-ADJUSTED							0.6	1.1	0.1 *	0.3	0.8	0.6	1.5	0.0	0.2
BLACK															
UNDER 1	0	0	0	28,498	14,527	13,971	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	129,558	65,928	63,630	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	2	1	1	405,206	205,997	199,209	0.5 *	0.5 *	0.5 *	0.0	1.2	0.0	1.4	0.0	1.5
15 - 24	6	3	3	341,761	176,140	165,621	1.8 *	1.7 *	1.8 *	0.4	3.2	0.0	3.6	0.0	3.9
25 - 34	54	36	18	328,784	162,827	165,957	16.4	22.1	10.8 *	12.0	20.8	14.9	29.3	5.8	15.9
35 - 44	148	118	30	390,384	194,372	196,012	37.9	60.7	15.3	31.8	44.0	49.8	71.7	9.8	20.8
45 - 54	125	92	33	289,801	140,000	149,801	43.1	65.7	22.0	35.6	50.7	52.3	79.1	14.5	29.5
55 - 64	37	32	5	170,354	79,371	90,983	21.7	40.3	5.5 *	14.7	28.7	26.3	54.3	0.7	10.3
65 - 74	11	7	4	108,917	48,723	60,194	10.1 *	14.4 *	6.6 *	4.1	16.1	3.7	25.0	0.1	13.2
75 - 84	2	2	0	60,927	23,448	37,479	3.3 *	8.5 *	0.0 +	0.0	7.8	0.0	20.4	-	-
85 & OLDER	0	0	0	21,657	6,331	15,326	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	385	291	94	2,275,847	1,117,664	1,158,183	16.9	26.0	8.1	15.2	18.6	23.0	29.0	6.5	9.8
AGE-ADJUSTED							17.2	26.9	8.2	15.5	19.0	23.8	30.0	6.5	9.8
HISPANIC															
UNDER 1	0	0	0	253,961	129,573	124,388	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	938,287	479,043	459,244	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	2,385,392	1,219,250	1,166,142	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	7	6	1	2,090,373	1,113,138	977,235	0.3 *	0.5 *	0.1 *	0.1	0.6	0.1	1.0	0.0	0.3
25 - 34	86	71	15	2,148,856	1,142,461	1,006,395	4.0	6.2	1.5 *	3.2	4.8	4.8	7.7	0.7	2.2
35 - 44	153	136	17	1,698,401	876,555	821,846	9.0	15.5	2.1 *	7.6	10.4	12.9	18.1	1.1	3.1
45 - 54	103	90	13	1,013,711	498,885	514,826	10.2	18.0	2.5 *	8.2	12.1	14.3	21.8	1.2	3.9
55 - 64	29	24	5	515,325	240,811	274,514	5.6	10.0	1.8 *	3.6	7.7	6.0	14.0	0.2	3.4
65 - 74	12	10	2	315,002	138,023	176,979	3.8 *	7.2 *	1.1 *	1.7	6.0	2.8	11.7	0.0	2.7
75 - 84	2	2	0	153,901	62,845	91,056	1.3 *	3.2 *	0.0 +	0.0	3.1	0.0	7.6	-	-
85 & OLDER	1	1	0	44,732	15,161	29,571	2.2 *	6.6 *	0.0 +	0.0	6.6	0.0	19.5	-	-
UNKNOWN	0	0	0												
TOTAL	393	340	53	11,557,941	5,915,745	5,642,196	3.4	5.7	0.9	3.1	3.7	5.1	6.4	0.7	1.2
AGE-ADJUSTED							4.3	7.5	1.1	3.8	4.7	6.6	8.3	0.8	1.4
WHITE															
UNDER 1	0	0	0	153,306	78,168	75,138	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	624,482	320,442	304,040	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	1	0	1	1,862,124	957,903	904,221	0.1 *	0.0 +	0.1 *	0.0	0.2	-	-	0.0	0.3
15 - 24	4	2	2	1,796,019	926,636	869,383	0.2 *	0.2 *	0.2 *	0.0	0.4	0.0	0.5	0.0	0.5
25 - 34	71	65	6	2,022,119	1,034,396	987,723	3.5	6.3	0.6 *	2.7	4.3	4.8	7.8	0.1	1.1
35 - 44	276	254	22	2,687,568	1,372,319	1,315,249	10.3	18.5	1.7	9.1	11.5	16.2	20.8	1.0	2.4
45 - 54	207	192	15	2,585,433	1,296,139	1,289,294	8.0	14.8	1.2 *	6.9	9.1	12.7	16.9	0.6	1.8
55 - 64	88	82	6	1,711,671	840,997	870,674	5.1	9.8	0.7 *	4.1	6.2	7.6	11.9	0.1	1.2
65 - 74	24	23	1	1,236,729	576,477	660,252	1.9	4.0	0.2 *	1.2	2.7	2.4	5.6	0.0	0.4
75 - 84	10	10	0	981,305	403,775	577,530	1.0 *	2.5 *	0.0 +	0.4	1.7	0.9	4.0	-	-
85 & OLDER	1	1	0	368,575	117,768	250,807	0.3 *	0.8 *	0.0 +	0.0	0.8	0.0	2.5	-	-
UNKNOWN	0	0	0												
TOTAL	682	629	53	16,029,331	7,925,020	8,104,311	4.3	7.9	0.7	3.9	4.6	7.3	8.6	0.5	0.8
AGE-ADJUSTED							3.9	7.1	0.6	3.6	4.2	6.6	7.7	0.5	0.8

Notes: Rates are per 100,000 population. ICD-10 codes B20-B24.
Year 2000 U.S. standard population is used for age-adjusted rates.
American Indian, Asian, Black, Pacific Islander, White, and Two or More Races excludes Hispanic ethnicity. Hispanic includes any race category.

\+ Standard error indeterminate, death rate based on no (zero) deaths.
* Death rate unreliable (relative standard error is greater than or equal to 23 percent).
\- Confidence limit is not calculated for no (zero) events.
[1] Includes deaths for American Indian (6), Pacific Islander (5), and Two or More Races (1) not individually shown due to unreliable rates.

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

TABLE 4
HIVD DEATHS BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2000
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
										TOTAL		MALE		FEMALE	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL[1]															
UNDER 1	1	1	0	491,073	251,541	239,532	0.2 *	0.4 *	0.0 +	0.0	0.6	0.0	1.2	-	-
1 - 4	1	1	0	1,990,873	1,018,496	972,377	0.1 *	0.1 *	0.0 +	0.0	0.1	0.0	0.3	-	-
5 - 14	3	1	2	5,310,526	2,720,715	2,589,811	0.1 *	0.0 *	0.1 *	0.0	0.1	0.0	0.1	0.0	0.2
15 - 24	12	9	3	4,860,696	2,532,547	2,328,149	0.2 *	0.4 *	0.1 *	0.1	0.4	0.1	0.6	0.0	0.3
25 - 34	204	169	35	5,245,273	2,702,010	2,543,263	3.9	6.3	1.4	3.4	4.4	5.3	7.2	0.9	1.8
35 - 44	577	501	76	5,499,218	2,780,657	2,718,561	10.5	18.0	2.8	9.6	11.3	16.4	19.6	2.2	3.4
45 - 54	444	392	52	4,376,695	2,156,077	2,220,618	10.1	18.2	2.3	9.2	11.1	16.4	20.0	1.7	3.0
55 - 64	155	130	25	2,641,560	1,270,830	1,370,730	5.9	10.2	1.8	4.9	6.8	8.5	12.0	1.1	2.5
65 - 74	49	46	3	1,894,010	858,793	1,035,217	2.6	5.4	0.3 *	1.9	3.3	3.8	6.9	0.0	0.6
75 - 84	7	5	2	1,294,989	530,932	764,057	0.5 *	0.9 *	0.3 *	0.1	0.9	0.1	1.8	0.0	0.6
85 & OLDER	0	0	0	438,285	139,496	298,789	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	1,453	1,255	198	34,043,198	16,962,094	17,081,104	4.3	7.4	1.2	4.0	4.5	7.0	7.8	1.0	1.3
AGE-ADJUSTED							4.4	7.6	1.2	4.1	4.6	7.2	8.0	1.0	1.3
BLACK															
UNDER 1	1	1	0	29,741	15,112	14,629	3.4 *	6.6 *	0.0 +	0.0	10.0	0.0	19.6	-	-
1 - 4	1	1	0	132,430	67,365	65,065	0.8 *	1.5 *	0.0 +	0.0	2.2	0.0	4.4	-	-
5 - 14	1	1	0	397,484	201,951	195,533	0.3 *	0.5 *	0.0 +	0.0	0.7	0.0	1.5	-	-
15 - 24	3	1	2	326,641	167,718	158,923	0.9 *	0.6 *	1.3 *	0.0	2.0	0.0	1.8	0.0	3.0
25 - 34	46	30	16	331,100	165,044	166,056	13.9	18.2	9.6 *	9.9	17.9	11.7	24.7	4.9	14.4
35 - 44	126	95	31	383,161	190,459	192,702	32.9	49.9	16.1	27.1	38.6	39.8	59.9	10.4	21.8
45 - 54	129	104	25	274,820	132,042	142,778	46.9	78.8	17.5	38.8	55.0	63.6	93.9	10.6	24.4
55 - 64	35	30	5	164,079	76,569	87,510	21.3	39.2	5.7 *	14.3	28.4	25.2	53.2	0.7	10.7
65 - 74	13	12	1	105,017	46,402	58,615	12.4 *	25.9 *	1.7 *	5.6	19.1	11.2	40.5	0.0	5.0
75 - 84	2	0	2	58,654	22,382	36,272	3.4 *	0.0 +	5.5 *	0.0	8.1	-	-	0.0	13.2
85 & OLDER	0	0	0	19,689	5,604	14,085	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	357	275	82	2,222,816	1,090,648	1,132,168	16.1	25.2	7.2	14.4	17.7	22.2	28.2	5.7	8.8
AGE-ADJUSTED							16.6	26.6	7.3	14.9	18.4	23.5	29.8	5.7	8.9
HISPANIC															
UNDER 1	0	0	0	237,496	121,585	115,911	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	948,679	484,068	464,611	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	2	0	2	2,299,957	1,175,384	1,124,573	0.1 *	0.0 +	0.2 *	0.0	0.2	-	-	0.0	0.4
15 - 24	8	8	0	2,027,816	1,080,868	946,948	0.4 *	0.7 *	0.0 +	0.1	0.7	0.2	1.3	-	-
25 - 34	71	62	9	2,060,173	1,095,849	964,324	3.4	5.7	0.9 *	2.6	4.2	4.2	7.1	0.3	1.5
35 - 44	145	129	16	1,604,089	826,047	778,042	9.0	15.6	2.1 *	7.6	10.5	12.9	18.3	1.0	3.1
45 - 54	94	83	11	941,053	462,923	478,130	10.0	17.9	2.3 *	8.0	12.0	14.1	21.8	0.9	3.7
55 - 64	29	21	8	481,558	224,626	256,932	6.0	9.3	3.1 *	3.8	8.2	5.4	13.3	1.0	5.3
65 - 74	6	5	1	300,409	131,275	169,134	2.0 *	3.8 *	0.6 *	0.4	3.6	0.5	7.1	0.0	1.8
75 - 84	0	0	0	141,486	57,595	83,891	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
85 & OLDER	0	0	0	40,269	13,429	26,840	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	355	308	47	11,082,985	5,673,649	5,409,336	3.2	5.4	0.9	2.9	3.5	4.8	6.0	0.6	1.1
AGE-ADJUSTED							4.0	6.9	1.1	3.6	4.4	6.1	7.7	0.8	1.4
WHITE															
UNDER 1	0	0	0	155,299	79,680	75,619	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	644,970	331,193	313,777	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	1,904,163	979,233	924,930	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	1	0	1	1,794,122	925,355	868,767	0.1 *	0.0 +	0.1 *	0.0	0.2	-	-	0.0	0.3
25 - 34	82	72	10	2,083,017	1,066,877	1,016,140	3.9	6.7	1.0 *	3.1	4.8	5.2	8.3	0.4	1.6
35 - 44	289	263	26	2,742,427	1,398,317	1,344,110	10.5	18.8	1.9	9.3	11.8	16.5	21.1	1.2	2.7
45 - 54	214	200	14	2,535,616	1,269,871	1,265,745	8.4	15.7	1.1 *	7.3	9.6	13.6	17.9	0.5	1.7
55 - 64	87	77	10	1,641,307	804,962	836,345	5.3	9.6	1.2 *	4.2	6.4	7.4	11.7	0.5	1.9
65 - 74	28	27	1	1,240,624	573,721	666,903	2.3	4.7	0.1 *	1.4	3.1	2.9	6.5	0.0	0.4
75 - 84	5	5	0	962,896	394,629	568,267	0.5 *	1.3 *	0.0 +	0.1	1.0	0.2	2.4	-	-
85 & OLDER	0	0	0	343,548	106,876	236,672	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
UNKNOWN	0	0	0												
TOTAL	706	644	62	16,047,989	7,930,714	8,117,275	4.4	8.1	0.8	4.1	4.7	7.5	8.7	0.6	1.0
AGE-ADJUSTED							4.0	7.3	0.7	3.7	4.3	6.7	7.9	0.5	0.9

Notes: Rates are per 100,000 population. ICD-10 codes B20-B24.
Year 2000 U.S. standard population is used for age-adjusted rates.
American Indian, Asian, Black, Pacific Islander, White, and Two or More Races excludes Hispanic ethnicity. Hispanic includes any race category.

\+ Standard error indeterminate, death rate based on no (zero) deaths.
* Death rate unreliable (relative standard error is greater than or equal to 23 percent).
\- Confidence limit is not calculated for no (zero) events.
[1] Includes deaths for American Indian (10), Asian (18), Pacific Islander (3), and Two or More Races (4) not individually shown due to unreliable rates.

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

TABLE 5
DEATHS DUE TO HIVD
CALIFORNIA COUNTIES, 2001-2003
(By Place of Residence)

COUNTY	2001-2003 DEATHS (AVERAGE)	PERCENT	2002 POPULATION	CRUDE RATE	AGE-ADJUSTED RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:					0.7		
CALIFORNIA	1,427.3	100.0	35,338,807	4.0	4.1	3.9	4.3
ALAMEDA	68.3	4.8	1,488,074	4.6	4.4	3.4	5.4
ALPINE[2]	0.0	0.0	1,292	0.0 +	0.0 +	-	-
AMADOR	0.7	a	36,637	1.8 *	1.4 *	0.0	4.7
BUTTE	3.0	0.2	209,770	1.4 *	1.6 *	0.0	3.4
CALAVERAS	1.3	0.1	42,524	3.1 *	2.8 *	0.0	7.6
COLUSA	0.3	a	19,635	1.7 *	1.8 *	0.0	8.1
CONTRA COSTA	29.3	2.1	989,807	3.0	2.8	1.8	3.9
DEL NORTE	0.3	a	27,982	1.2 *	1.2 *	0.0	5.2
EL DORADO	3.3	0.2	165,463	2.0 *	1.9 *	0.0	4.0
FRESNO	30.7	2.1	836,207	3.7	4.2	2.7	5.6
GLENN	0.3	a	26,969	1.2 *	1.4 *	0.0	6.3
HUMBOLDT	5.3	0.4	128,492	4.2 *	4.1 *	0.6	7.7
IMPERIAL	2.7	0.2	149,360	1.8 *	2.0 *	0.0	4.4
INYO[2]	0.0	0.0	18,456	0.0 +	0.0 +	-	-
KERN	15.3	1.1	697,856	2.2 *	2.4 *	1.2	3.6
KINGS	3.7	0.3	135,123	2.7 *	2.6 *	0.0	5.4
LAKE	3.7	0.3	61,352	6.0 *	7.0 *	0.0	14.3
LASSEN	0.7	a	34,129	2.0 *	1.9 *	0.0	6.6
LOS ANGELES[1]	519.0	36.4	9,889,170	5.2	5.4	4.9	5.9
MADERA	3.0	0.2	129,585	2.3 *	2.6 *	0.0	5.4
MARIN	4.7	0.3	250,179	1.9 *	1.6 *	0.1	3.1
MARIPOSA[2]	0.0	0.0	17,589	0.0 +	0.0 +	-	-
MENDOCINO	2.3	0.2	88,353	2.6 *	2.8 *	0.0	6.4
MERCED	4.7	0.3	223,904	2.1 *	2.3 *	0.2	4.5
MODOC[2]	0.0	0.0	9,400	0.0 +	0.0 +	-	-
MONO[2]	0.0	0.0	13,441	0.0 +	0.0 +	-	-
MONTEREY	11.3	0.8	413,819	2.7 *	2.9 *	1.2	4.7
NAPA	2.3	0.2	128,966	1.8 *	1.8 *	0.0	4.2
NEVADA	1.7	0.1	96,045	1.7 *	1.7 *	0.0	4.4
ORANGE[1]	55.7	3.9	2,959,646	1.9	1.9	1.4	2.4
PLACER[2]	2.0	0.1	273,338	0.7 *	0.7 *	0.0	1.6
PLUMAS	0.3	a	21,117	1.6 *	2.9 *	0.0	12.7
RIVERSIDE	72.0	5.0	1,682,408	4.3	4.6	3.6	5.7
SACRAMENTO	51.3	3.6	1,302,647	3.9	4.1	3.0	5.2
SAN BENITO	1.3	0.1	55,955	2.4 *	2.4 *	0.0	6.4
SAN BERNARDINO	61.3	4.3	1,816,398	3.4	3.6	2.7	4.5
SAN DIEGO	121.3	8.5	2,944,585	4.1	4.2	3.4	4.9
SAN FRANCISCO[1]	178.3	12.5	788,292	22.6	20.7	17.6	23.7
SAN JOAQUIN	14.7	1.0	607,896	2.4 *	2.6 *	1.3	3.9
SAN LUIS OBISPO	5.7	0.4	255,449	2.2 *	2.3 *	0.4	4.2
SAN MATEO	24.0	1.7	711,793	3.4	3.1	1.9	4.4
SANTA BARBARA	5.3	0.4	408,471	1.3 *	1.4 *	0.2	2.6
SANTA CLARA[1]	34.7	2.4	1,717,059	2.0	2.0	1.3	2.6
SANTA CRUZ	7.7	0.5	259,164	3.0 *	2.8 *	0.8	4.8
SHASTA	1.7	0.1	172,130	1.0 *	1.1 *	0.0	2.7
SIERRA[2]	0.0	0.0	3,524	0.0 +	0.0 +	-	-
SISKIYOU	1.3	0.1	44,628	3.0 *	3.1 *	0.0	8.5
SOLANO	17.7	1.2	411,498	4.3 *	4.3 *	2.3	6.3
SONOMA	16.3	1.1	470,723	3.5 *	3.2 *	1.6	4.7
STANISLAUS	10.3	0.7	477,919	2.2 *	2.3 *	0.9	3.8
SUTTER	0.7	a	82,696	0.8 *	0.9 *	0.0	2.9
TEHAMA[2]	0.0	0.0	57,649	0.0 +	0.0 +	-	-
TRINITY	0.3	a	13,271	2.5 *	1.9 *	0.0	8.2
TULARE	5.3	0.4	383,164	1.4 *	1.6 *	0.2	2.9
TUOLUMNE[2]	0.3	a	56,545	0.6 *	0.7 *	0.0	2.9
VENTURA	14.7	1.0	788,282	1.9 *	1.8 *	0.9	2.8
YOLO	4.0	0.3	180,193	2.2 *	2.5 *	0.0	5.0
YUBA	1.0	0.1	62,788	1.6 *	1.8 *	0.0	5.3

Note: Rates are per 100,000 population. ICD-10 codes B20-B24.
Year 2000 U.S. standard population is used for age-adjusted rates.

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

a Represents a percentage of more than zero but less than 0.05.
+ Standard error indeterminate, death rate based on no (zero) deaths.
* Death rate unreliable (relative standard error is greater than or equal to 23 percent).
- Confidence limit is not calculated for no (zero) events.
[1] County age-adjusted rate is significantly different from the state age-adjusted rate.
[2] Met or surpassed HP2010 target rate.