

# Center for Health Statistics



July 2005

DATA SUMMARY No. DS05-07000

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

# Highlights

- In 2003, 87.7
   percent of all
   diabetes deaths in
   California occurred
   among people age
   55 and older.
- The diabetes crude death rate for California was 19.7 deaths per 100,000 population in 2003.
- During 2003 the California diabetes age-adjusted death rate of 21.5 was lower than the United States rate of 25.2.
- In 2003 Pacific Islanders had a higher diabetes age-adjusted death rate than Blacks Hispanics, Asians, American Indians, Whites, and Two or More Races.

# Diabetes Deaths in California, 2000-2003

By Daniel H. Cox

## Introduction

In 2003 diabetes was the sixth leading cause of death in the United States (U.S.) and was the underlying cause of 73,965 deaths that year. In 2002, 18.2 million people in the U.S. had diabetes; 5.2 million of those people were undiagnosed.

Diabetes disproportionately affects minority populations and the elderly and its incidence is likely to increase as minority populations grow and the U.S. population becomes older. The human suffering caused by diabetes and its complications is tragic and the economic cost to society is great. Diabetes can have a harmful effect on most of the organ systems in the human body; it is a frequent cause of end-stage renal disease, non-traumatic lower-extremity amputation, and a leading cause of blindness among working age adults. Persons with diabetes are at increased risk for ischemic heart disease, neuropathy, and stroke. In economic terms, the direct medical expenditures attributable to diabetes in 2002 have been estimated at 91.8 billion dollars.<sup>3</sup>

The definition of diabetes used in this report is based on the International Classification of Diseases, Tenth Revision (ICD-10) codes E10-E14 currently presented in the National Center for Health Statistics (NCHS), National Vital Statistics Report.<sup>4</sup> In this Data Summary, as in the previously mentioned NCHS report, diabetes related deaths are counted only when diabetes is the underlying cause of death. The U.S. Public Health Service has established a number of health objectives pertaining to diabetes, which are published in *Tracking Healthy People 2010 (HP2010)*.<sup>5</sup> Since these objectives are based on both underlying and contributing causes of diabetes deaths rather than underlying cause only, California's progress in meeting the HP 2010 national objective for diabetes will not be addressed in this report.

National Center for Health Statistics, Deaths: Preliminary Data for 2003. National Vital Statistics Reports, DHHS Pub. No. (PHS) 2005-1120, PRS 05-0162, February 2005; Vol. 53, No. 15.

<sup>&</sup>lt;sup>2</sup> Centers for Disease Control and Prevention. National Diabetes Fact Sheet: General information and National Estimates on Diabetes in the United States, 2003. Atlanta, GA: U.S. DHHS, 2004.

<sup>&</sup>lt;sup>3</sup> Hogan P, Dall T, Nikolov P. Economic Costs of Diabetes in the U.S. in 2002. American Diabetes Association, Diabetes Care, Volume 26, Number 3, March 2003.

<sup>&</sup>lt;sup>4</sup> National Center for Health Statistics, Deaths: Preliminary Data for 1999. National Vital Statistics Reports, DHHS Pub. No. (PHS) 2001-1120, PRS 01-0358, June 2001; Vol. 49, No. 3.

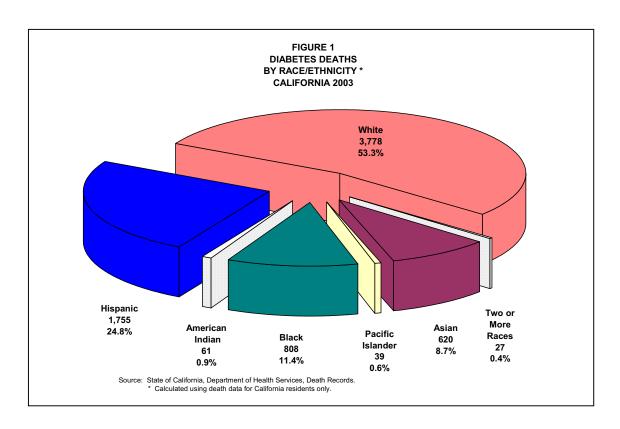
U.S. Department of Health and Human Services. Tracking Healthy People 2010. Washington DC: U.S. Government Printing Office, November 2000.

A brief
overview of
data
limitations
and
qualifications
is provided
at the end of
this report.

#### **Diabetes Deaths**

**Table 1** (pages 9 and 10) displays California diabetes death data for 2003 by race/ethnicity, age, and sex. Diabetes deaths occur predominantly among the older population, and this held true in 2003 with 87.7 percent of all diabetes deaths involving people in the age groups 55 years and older. These age groups, within each respective race/ethnic group, accounted for 93.7 percent of all diabetes deaths among Asians, 89.9 percent of diabetes deaths among Whites, 85.2 percent of deaths among Two or More Races, 84.8 percent of deaths among Hispanics, 80.8 percent of deaths among Blacks, 76.9 percent of deaths among Pacific Islanders, and 72.1 percent of deaths among American Indians. During 2003 the number of deaths attributed to diabetes was slightly higher among males (3,562) than among females (3,526).

As shown in **Figure 1**, the number of diabetes deaths among Whites (3,778) was higher than Hispanics (1,755), Blacks (808), Asians (620), American Indians (61), Pacific Islanders (39), and Two or More Races (27).



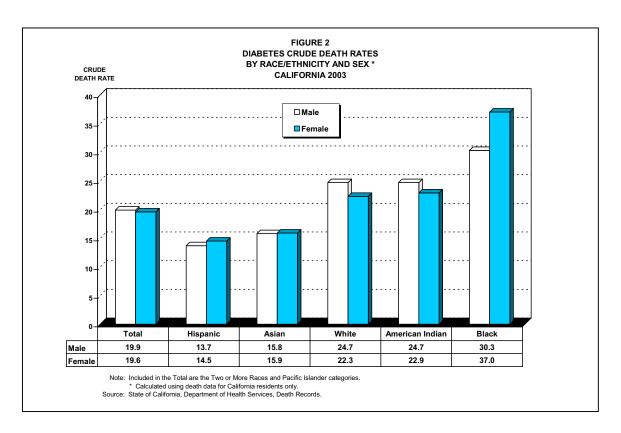
### **Diabetes Crude Death Rates**

The diabetes crude death rate for California increased significantly from 18.2 deaths per 100,000 population in 2000 to 19.7 in 2003. As shown in **Table 1** (pages 9 and 10), Blacks had the highest crude death rate in 2003, a rate of 33.7 that was followed closely by Pacific Islanders with a rate of 32.0. American Indians were next with a crude rate of 23.8, followed by Whites with a rate of 23.5. Next was Asian with a rate of 15.8 and Hispanic with a rate of 14.1. Last was the Two or More Races category with a diabetes crude death rate of 3.8 deaths per 100,000 population. Five of these seven rates increased from 2000 when Blacks had a diabetes crude death rate of 33.1, Whites had a rate of 21.8, American Indians had a rate of 19.2, Hispanics had a rate of 13.1, and

See the Methodological Approach Section later in this report for an explanation of crude, age-specific, and ageadjusted death rates.

Asians had a rate of 12.1. The diabetes crude death rates for Pacific Islander and Two or More Races were unreliable in 2000 so no comparison was made. The increases among Asians, Hispanics, and Whites from 2000 to 2003 were statistically significant.

Figure 2 shows Black, Asian, and Hispanic females had higher diabetes crude death rates than males in the corresponding race/ethnic groups. Black females had a rate of 37.0 deaths per 100,000 population, and Black males had a rate of 30.3. Asian females had a rate of 15.9 and Asian males had a rate of 15.8. Hispanic females had a rate of 14.5 and Hispanic males had a rate of 13.7. Only the difference among Blacks was statistically significant. Contrary to the findings for the other three race/ethnic groups, American Indian males and White males had diabetes crude death rates that were higher than the rates for females in the corresponding race/ethnic groups. American Indian males had a rate of 24.7 deaths per 100,000 population, and American Indian females had a rate of 22.9. White males had a rate of 24.7 and White females had a rate of 22.3. The difference among White males and White females was statistically significant. In this comparison the rate for Pacific Islander females was unreliable, though it should be noted that Pacific Islander males had a reliable rate of 37.8 (**Table 1** page 10) that was higher than the rate for males or females in any of the other race/ethnic groups. The rates for Pacific Islander and Two or More Races were not included in Figure 2 because of unreliability.



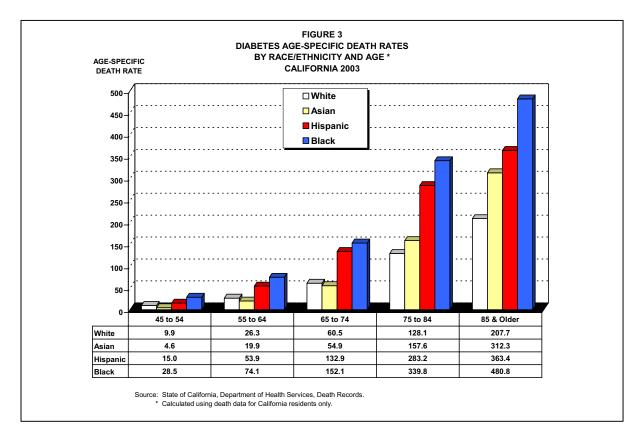
# **Diabetes Age-Specific Death Rates**

In **Table 1** (pages 9 and 10), reliable age-specific rates show that among the sexes in 2003, males in the Asian, Black, Hispanic, and White race/ethnic groups consistently had higher diabetes death rates than females in the corresponding race/ethnic groups.

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

The only exception to this was in the 85 and Older age group where Hispanic females had a higher death rate than Hispanic males. The diabetes age-specific death rates for American Indian, Pacific Islander, and Two or More Races were not reliable in 2003.

**Figure 3** shows that in 2003, among the age groups with reliable rates, Blacks had higher diabetes age-specific death rates than the other three race/ethnic groups. These differences were statistically significant except in the 65 to 74 age group where the difference between Blacks and Hispanics was not significant.



Not shown in **Figure 3**, but displayed in **Table 1** (pages 9 and 10) are the diabetes age-specific death rates for the 35 to 44 age group where Blacks had a significantly higher death rate than Hispanics or Whites. The rate for Asians was not reliable in the 35 to 44 age group. In the 25 to 34 age group Whites had a higher diabetes death rate than Hispanics. The rate for Asians and Blacks was not reliable in the 25 to 34 age group.

# **Diabetes Age-Adjusted Death Rates**

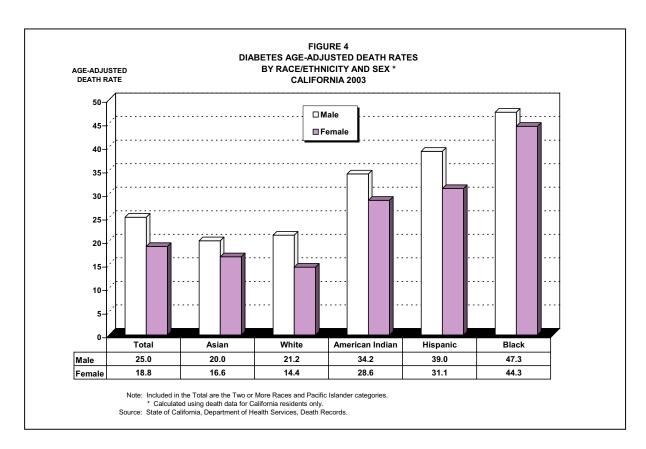
In 2003 the California diabetes age-adjusted death rate of 21.5 deaths per 100,000 population was lower than the U.S. rate of 25.2. The California rate increased slightly from 2000 when the rate was 21.1, though this difference was not statistically significant.

Displayed in **Table 1**, a comparison among the race/ethnic groups shows that in 2003 Pacific Islanders had a diabetes age-adjusted death rate of 51.3, which was higher than Blacks with a rate of 45.6, Hispanics with a rate of 34.6, American Indians with a rate of 30.9, Asians with a rate of 18.2, Whites with a rate of 17.4, and Two or More Races with a rate of 7.8. Two of these seven rates increased from 2000 when American Indians had a diabetes age-adjusted death rate of 27.7 and Asians had a rate of 16.5. The rates for

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

Blacks and Hispanics decreased from 2000, when the rates were 46.6 and 35.2 respectively. None of these differences were statistically significant. The rate for Whites was the same in 2000 and 2003, a rate of 17.4. The rates for Pacific Islanders and Two or More Races were not reliable in 2000 so no comparison could be made.

As shown in **Figure 4**, in 2003 the diabetes age-adjusted death rate for males was higher than for females in the five race/ethnic groups with reliable rates. Black males (47.3) had a higher rate than Black females (44.3). Hispanic males (39.0) had a higher rate than Hispanic females (31.1). American Indian males (34.2) had a higher rate than American Indian females (28.6). White males (21.2) had a higher rate than White females (14.4), and Asian males (20.0) had a higher rate than Asian females (16.6). The differences among Asians, Hispanics, and Whites were statistically significant. Not shown in **Figure 4** but displayed in **Table 1** (pages 9 and 10) is the rate for Pacific Islander males (64.3), a rate higher than the rates for males or females in any of the other race/ethnic groups. Males and females in the Two or More Races group and females in the Pacific Islander group did not have reliable rates so no comparisons could be made.



#### **Diabetes Death Data for California Counties**

**Table 5** (page 17) displays the number of deaths, crude death rates, and age-adjusted death rates by county averaged over a three-year period, 2001 to 2003. This averaging is done to reduce the large fluctuations in the death rates that are inherent among counties with a small number of events and/or population.

The highest average number of diabetes deaths occurred in Los Angeles County (2,064.0) and the lowest average number of deaths occurred in Alpine County (0.0).

For more data, see DHS Center for Health Statistics, Office of Health Information and Research Home Page at www.dhs.ca.gov/ohir

The highest and lowest reliable diabetes crude death rates were in Kings County (37.3 per 100,000 population) and El Dorado County (12.1).

The ranking for diabetes age-adjusted death rates showed Kings County with the highest reliable rate (59.1 deaths per 100,000 population) and Marin County with the lowest (10.4). Reliable rates show the diabetes age-adjusted death rate for Kings County was significantly higher than the rates for all other California counties.

# **Diabetes Death Data by City Health Jurisdiction**

**Table 6** displays the number of deaths and crude death rates for California's three city health jurisdictions averaged over a three-year period, 2001 to 2003. Age-adjusted death rates were not calculated for the city health jurisdictions because city population estimates by age were not available.

The city of Long Beach had an average of 93.7 diabetes deaths, Pasadena had an average of 29.3 deaths, and Berkeley had an average of 17.0 deaths.

Pasadena had a diabetes crude death rate of 21.1 deaths per 100,000 population, Long Beach had a crude rate of 19.8, and Berkeley had a crude rate of 16.3, although the rate for Berkeley was not statistically reliable.

# TABLE 6 DIABETES DEATHS AMONG THE CITY HEALTH JURISDICTIONS\* CALIFORNIA, 2001-2003

CITY HEALTH	NUMBER OF DEATHS	2002	CRUDE DEATH
JURISDICTION	(Average)	POPULATION	RATE
CONCENTION	(/tvc/agc)	TOTOLYTICIY	TOTIL
BERKELEY	17.0	104,254	16.3 +
LONG BEACH	93.7	473,363	19.8
PASADENA	29.3	138,904	21.1

Note: Rates are per 100,000 population. Data is ICD-10 codes E10-E14.

- \* Calculated using death data for California residents only.
- + Death rate unreliable, relative standard error is greater than or equal to 23 percent.

Source: 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, sexes, race/ethnic groups, and/or multiple reporting periods. Age-specific death rates are

Some of the <u>earlier</u> reports on this subject are available online at <u>www.dhs.ca.gov/</u> ohir 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. This 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. The year 2000 population standard is used as the basis for age-adjustments in this report.

# **Data Limitations and Qualifications**

The diabetes death data presented in this report are based on vital statistics records with ICD-10 codes E10-E14 as defined by the NCHS.<sup>4</sup> Deaths by place of residence means that the data include only those deaths occurring among residents of California and its counties, regardless of the place of death.

The term "significant" within the text indicates statistically significant based on the difference between two independent rates (p<.05).

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 from one year to the next. To assist the reader, 95 percent confidence intervals are provided in the data tables as a tool for measuring the reliability of the death rates. Rates with a relative standard error (coefficient of variation) greater than or equal to 23 percent are indicated with an asterisk (\*).

Beginning in 1999, cause of death is reported using ICD-10.<sup>6</sup> Cause of death for 1979 through 1998 was coded using the International Classification of Diseases, Ninth Revision (ICD-9). Depending on the <u>specific cause of death</u>, the number of deaths and death rate are not comparable between ICD-9 and ICD-10. Therefore, our analyses do not combine both ICD-9 and ICD-10 data.

The seven race/ethnic groups presented in the tables are mutually exclusive. White, Pacific Islander, Black, Asian, American Indian, and Two or More Races exclude Hispanic ethnicity, while Hispanic includes any race/ethnic group. In order to remain consistent with the population data obtained from the Department of Finance, the "White race/ethnic group" includes White, Other (specified), Not Stated, and Unknown; the "Pacific Islander race/ethnic group" includes Guamanian, Hawaiian, Samoan, and Other Pacific Islander; the "Asian race/ethnic group" includes Asian Indian, Asian (specified/unspecified), Cambodian, Chinese, Filipino, Hmong, Japanese, Korean, Laotian, Thai, and Vietnamese; the "American Indian race/ethnic group" includes Aleut, American Indian, and Eskimo. In addition, caution should be exercised in the interpretation of mortality data by race/ethnicity. Misclassification of race/ethnicity on the death certificate may contribute to death rates that may be understated among Pacific Islanders, Hispanics, Asians, and American Indians. Indians.

California Department of Health Services

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

<sup>&</sup>lt;sup>7</sup> 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.

as being of Two or More Races may be understated as well.

Beginning in 2000, federal race/ethnicity reporting guidelines changed to allow the reporting of up to three races on an individual death certificate. California initiated use of the new Federal guidelines on January 1, 2000. Some earlier reports displaying data from 2000 and later were tabulated based on the first listed race on those certificates where more than one race was listed. Recently, California population estimates that include a "Two or More or More Races" category became available. To be consistent with the population categories, current reports tabulate race of decedent using all races mentioned on the death certificates. Therefore earlier reports are not compatible with current reports.

Effective with 1999 mortality data, the standard population for calculating age adjustments was changed from the 1940 population standard to the year 2000 population standard, in accordance with new statistical policy implemented by the NCHS. The new population standard affects measurement of mortality trends and group comparisons. Of particular note are the effects on race comparison of mortality. Age-adjusted rates presented in this report are not comparable to rates calculated with different population standards.

In addition, the population data used to calculate the crude rates in **Table 6** (page 6) differ from the population data used to calculate the crude rates in **Table 5** (page 17). Consequently, caution should be exercised when comparing the crude rates among the three city health jurisdictions with the rates among the 58 California counties. Age-adjusted rates for city health jurisdictions were not calculated.

For a more complete explanation of the age-adjusting methodology used in this report, see the "Healthy People 2010 Statistical Notes" publication. Detailed information on data quality and limitations are presented in the appendix of the annual report, "Vital Statistics of California." Formulas used to calculate death rates are included in the technical notes of the "County Health Status Profiles" report.

This Data Summary was prepared by Daniel H. Cox, Center for Health Statistics, 1616 Capitol Avenue, Suite 74.165, MS 5103, P.O. Box 997410, Sacramento, CA 95899-7410, telephone (916) 552-8095 and Fax (916) 650-6889.

Anderson RN, Rosenberg HM. Age Standardization of Death Rates: Implementation of the Year 2000 Standard. National Vital Statistics Reports; Volume 47, No. 3, Hyattsville, Maryland: National Center for Health Statistics. October 1998.

<sup>&</sup>lt;sup>9</sup> 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.

Ficenec S, Bindra K. Vital Statistics of California, 2002. Center for Health Statistics, California Department of Health Services. August 2004.

Shippen S, Wilson C. County Health Status Profiles 2005. Center for Health Statistics, California Department of Health Services. April 2005.

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

				1			1								
AGE GROUPS		DEATHS			POPULATION	1		RATES	1	TOT		5% CONFIDE MA			1ALE
GROOFS	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
			1. =				TOTAL			2011211	0		0	2011211	0
Under 1	0	0	0	531,434	271,162	260,272	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	2,008,528	1,026,713	981,815	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	3	1	2	5,420,822	2,777,200	2,643,622	0.1 *	0.0 *	0.1 *	0.0	0.1	0.0	0.1	0.0	0.2
15 to 24	21	15	6	5,160,658	2,691,409	2,469,249	0.4	0.6 *	0.2 *	0.2	0.6	0.3	0.8	0.0	0.4
25 to 34 35 to 44	59 216	39 131	20 85	5,246,137 5,648,662	2,705,863 2,870,936	2,540,274 2,777,726	1.1 3.8	1.4 4.6	0.8 3.1	0.8 3.3	1.4 4.3	1.0 3.8	1.9 5.3	0.4 2.4	1.1 3.7
45 to 54	572	326	246	4,819,832	2,382,693	2,437,139	11.9	13.7	10.1	10.9	12.8	12.2	15.2	8.8	11.4
55 to 64	1,071	599	472	3,146,705	1,520,342	1,626,363	34.0	39.4	29.0	32.0	36.1	36.2	42.6	26.4	31.6
65 to 74	1,556	834	722	1,997,161	921,535	1,075,626	77.9	90.5	67.1	74.0	81.8	84.4	96.6	62.2	72.0
75 to 84	2,276	1,115	1,161	1,414,654	587,119	827,535	160.9	189.9	140.3	154.3	167.5	178.8	201.1	132.2	148.4
85 & Older Unknown	1,313 1	501 1	812 0	540,374	183,447	356,927	243.0	273.1	227.5	229.8	256.1	249.2	297.0	211.8	243.1
Total	7,088	3,562	3,526	35,934,967	17,938,419	17,996,548	19.7	19.9	19.6	19.3	20.2	19.2	20.5	18.9	20.2
Age-Adjusted							21.5	25.0	18.8	21.0	22.0	24.2	25.9	18.2	19.4
							AMERICAN I								
Under 1	0	0	0	3,180	1,629	1,551	0.0 +	0.0 +	0.0 +	-		-	-	-	- :
1 to 4 5 to 14	0	0 0	0 0	9,091 41,585	4,692 21,049	4,399 20,536	0.0 + 0.0 +	0.0 + 0.0 +	0.0 + 0.0 +						
15 to 24	0	0	0	41,597	21,049	20,330	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	0	0	0	34,537	17,157	17,380	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
35 to 44	5	3	2	41,759	20,278	21,481	12.0 *	14.8 *	9.3 *	1.5	22.5	0.0	31.5	0.0	22.2
45 to 54	12	9	3	39,151	18,614	20,537	30.7 *	48.4 *	14.6 *	13.3	48.0	16.8	79.9	0.0	31.1
55 to 64 65 to 74	12 13	4 5	8 8	24,166 11,703	11,540 5,454	12,626 6,249	49.7 * 111.1 *	34.7 * 91.7 *	63.4 * 128.0 *	21.6 50.7	77.8 171.5	0.7 11.3	68.6 172.0	19.5 39.3	107.3 216.7
75 to 84	17	8	9	6,213	2,604	3,609	273.6 *	307.2 *	249.4 *	143.5	403.7	94.3	520.1	86.5	412.3
85 & Older	2	2	0	3,472	1,263	2,209	57.6 *	158.4 *	0.0 +	0.0	137.4	0.0	377.8	-	-
Unknown	0	0	0	050 454	405 550	400.004	00.0	04.7	00.0	47.0	20.2	40.0	20.4	447	24.4
Total Age-Adjusted	61	31	30	256,454	125,550	130,904	23.8 30.9	24.7 34.2	22.9 28.6	17.8 22.8	29.8 39.0	16.0 21.4	33.4 47.1	14.7 18.1	31.1 39.2
rige riajustea							ASIAN		20.0	22.0	00.0	21.4	47.1	10.1	00.2
Under 1	0	0	0	49,099	25,103	23,996	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	181,821	93,219	88,602	0.0 +	0.0 +	0.0 +			-	-		-
5 to 14	1	0	1	500,584	258,445	242,139	0.2 *	0.0 +	0.4 *	0.0	0.6	-	4.7	0.0	1.2
15 to 24 25 to 34	2 2	2 2	0 0	547,727 609,005	281,307 297,832	266,420 311,173	0.4 * 0.3 *	0.7 * 0.7 *	0.0 + 0.0 +	0.0 0.0	0.9 0.8	0.0 0.0	1.7 1.6	-	-
35 to 44	7	5	2	654,269	313,201	341,068	1.1 *	1.6 *	0.6 *	0.3	1.9	0.2	3.0	0.0	1.4
45 to 54	27	16	11	590,179	275,078	315,101	4.6	5.8 *	3.5 *	2.8	6.3	3.0	8.7	1.4	5.6
55 to 64	71	47	24	356,471	166,544	189,927	19.9	28.2	12.6	15.3	24.6	20.2	36.3	7.6	17.7
65 to 74	130	71	59	236,933	103,366	133,567	54.9	68.7	44.2	45.4	64.3	52.7	84.7	32.9	55.4
75 to 84 85 & Older	231 149	101 55	130 94	146,599 47,703	62,184 19,092	84,415 28,611	157.6 312.3	162.4 288.1	154.0 328.5	137.3 262.2	177.9 362.5	130.7 211.9	194.1 364.2	127.5 262.1	180.5 395.0
Unknown	0	0	0	,	,										
Total	620	299	321	3,920,390	1,895,371	2,025,019	15.8	15.8	15.9	14.6	17.1	14.0	17.6	14.1	17.6
Age-Adjusted							18.2 BLACk	20.0	16.6	16.7	19.6	17.7	22.3	14.8	18.5
Under 1	0	0	0	32,376	16,503	15,873	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	122,874	62,658	60,216	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	415,801	211,605	204,196	0.0 +	0.0 +	0.0 +	-	-		-	-	-
15 to 24	3 9	2 5	1	379,857 329,285	197,146 162,507	182,711 166,778	0.8 * 2.7 *	1.0 * 3.1 *	0.5 * 2.4 *	0.0 0.9	1.7	0.0 0.4	2.4 5.8	0.0	1.6
25 to 34 35 to 44	52	28	4 24	329,285 401,674	162,507 200,729	166,778 200,945	12.9	13.9	11.9	9.4	4.5 16.5	8.8	5.8 19.1	0.0 7.2	4.7 16.7
45 to 54	91	47	44	319,425	155,654	163,771	28.5	30.2	26.9	22.6	34.3	21.6	38.8	18.9	34.8
55 to 64	141	73	68	190,319	88,453	101,866	74.1	82.5	66.8	61.9	86.3	63.6	101.5	50.9	82.6
65 to 74	179	82	97	117,685	53,462	64,223	152.1	153.4	151.0	129.8	174.4	120.2	186.6	121.0	181.1
75 to 84 85 & Older	217 116	85 36	132 80	63,864	24,858	39,006	339.8 480.8	341.9	338.4 473.1	294.6 393.3	385.0 568.3	269.2 335.8	414.6	280.7 369.4	396.1 576.8
Unknown	116	36 0	80 0	24,128	7,218	16,910	400.8	498.8	4/3.1	ა <del>ყ</del> ა.პ	306.3	ააა.შ	661.7	309.4	5/0.8
Total	808	358	450	2,397,288	1,180,793	1,216,495	33.7	30.3	37.0	31.4	36.0	27.2	33.5	33.6	40.4
Age-Adjusted							45.6	47.3	44.3	42.4	48.8	42.1	52.5	40.2	48.4
Under 1	0	0	0	265,727	135,553	130,174	0.0 +	0.0 +	0.0 +						
1 to 4	0	0	0	972,443	496,688	475,755	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	1	0	1	2,487,194	1,271,424	1,215,770	0.0 *	0.0 +	0.1 *	0.0	0.1	-	-	0.0	0.2
15 to 24	5	3	2	2,211,661	1,170,782	1,040,879	0.2 *	0.3 *	0.2 *	0.0	0.4	0.0	0.5	0.0	0.5
25 to 34	20	13	7	2,282,378	1,215,342	1,067,036	0.9	1.1 *	0.7 *	0.5	1.3	0.5	1.7	0.2	1.1
35 to 44 45 to 54	67 174	40 97	27 77	1,872,178 1,159,100	969,722 572,129	902,456 586,971	3.6 15.0	4.1 17.0	3.0 13.1	2.7 12.8	4.4 17.2	2.8 13.6	5.4 20.3	1.9 10.2	4.1 16.0
55 to 64	321	180	141	595,540	279,290	316,250	53.9	64.4	44.6	48.0	59.8	55.0	73.9	37.2	51.9
65 to 74	458	221	237	344,493	151,957	192,536	132.9	145.4	123.1	120.8	145.1	126.3	164.6	107.4	138.8
75 to 84	510	252	258	180,074	74,189	105,885	283.2	339.7	243.7	258.6	307.8	297.7	381.6	213.9	273.4
85 & Older	199	67 0	132 0	54,755	19,164	35,591	363.4	349.6	370.9	312.9	413.9	265.9	433.3	307.6	434.2
Links															
Unknown Total	0 1 755			12 425 543	6 356 240	6 069 303	14 1	13.7	14 5	13.5	14.8	12.8	14.6	13.6	15.5
Unknown Total Age-Adjusted	1,755	873	882	12,425,543	6,356,240	6,069,303	14.1 34.6	13.7 39.0	14.5 31.1	13.5 32.9	14.8 36.3	12.8 36.2	14.6 41.8	13.6 29.0	15.5 33.2

Note: Rates are per 100,000 population. ICD-10 codes E10-E14.
Two or More Races, White, Black, Asian and American Indian exclude Hispanic ethnicity.

Hispanic includes any race category.

Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance; 2003 Population: Population Projections by Age, Race/Ethnicity and Sex, May 2004. State of California, Department of Health Services, Death Records.

Death rate unreliable, relative standard error is greater than or equal to 23 percent
 Standard error indeterminate, death rate based on no (zero) deaths.

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

AGE		DEATHS			POPULATION	J		RATES			9	5% CONFID	ENCE LIMIT	rs.	
GROUPS		<i>D L</i> , , , , , , ,			. 0. 02,					TO			ALE		IALE
Ortoor o	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
	TOTAL	IVIALL	I LIVIALL	TOTAL	IVIALL	TEMALE	TOTAL		LIMALL	LOWER	OFFER	LOWER	OFFER	LOWER	OFFER
Under 1	0	0	0	531,434	271,162	260,272	0.0 +	0.0 +	0.0 +	-		_			
1 to 4	0	0	0	2,008,528	1,026,713	981,815	0.0 +	0.0 +	0.0 +	-					
5 to 14	3	1	2	5,420,822	2,777,200	2,643,622	0.1 *	0.0 *	0.0 *	0.0	0.1	0.0	0.1	0.0	0.2
15 to 24	21	15	6	5,160,658	2,691,409	2,469,249	0.4	0.6 *	0.2 *	0.2	0.6	0.3	0.8	0.0	0.4
25 to 34	59	39	20	5,246,137	2,705,863	2,540,274	1.1	1.4	0.8	0.8	1.4	1.0	1.9	0.4	1.1
35 to 44	216	131	85	5,648,662	2,870,936	2,777,726	3.8	4.6	3.1	3.3	4.3	3.8	5.3	2.4	3.7
45 to 54	572	326	246	4,819,832	2,382,693	2,437,139	11.9	13.7	10.1	10.9	12.8	12.2	15.2	8.8	11.4
55 to 64	1,071	599	472	3,146,705	1,520,342	1,626,363	34.0	39.4	29.0	32.0	36.1	36.2	42.6	26.4	31.6
65 to 74	1,556	834	722	1,997,161	921,535	1,075,626	77.9	90.5	67.1	74.0	81.8	84.4	96.6	62.2	72.0
75 to 84	2,276	1,115	1,161	1,414,654	587,119	827,535	160.9	189.9	140.3	154.3	167.5	178.8	201.1	132.2	148.4
85 & Older	1,313	501	812	540,374	183,447	356,927	243.0	273.1	227.5	229.8	256.1	249.2	297.0	211.8	243.1
Unknown	1	1	0												
Total	7,088	3,562	3,526	35,934,967	17,938,419	17,996,548	19.7	19.9	19.6	19.3	20.2	19.2	20.5	18.9	20.2
Age-Adjusted							21.5	25.0	18.8	21.0	22.0	24.2	25.9	18.2	19.4
				1.01-			PACIFIC ISLA								
Under 1	0	0	0	1,612	824	788	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	5,968	3,081	2,887	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0 0	0	0	20,242	10,342	9,900	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24 25 to 34	1	0	0 1	20,994 20,422	10,740 10,089	10,254 10,333	0.0 + 4.9 *	0.0 + 0.0 +	0.0 + 9.7 *	0.0	14.5	-	-	0.0	28.6
25 to 34 35 to 44	3	2	1	20,422	10,089	10,333	4.9 * 14.3 *	0.0 + 19.2 *	9.7 *	0.0	30.4	0.0	45.7	0.0	28.6
45 to 54	5	4	1	15,034	7,444	7,590	33.3 *	53.7 *	13.2 *	4.1	62.4	1.1	106.4	0.0	39.0
55 to 64	9	5	4	8,688	4,226	4,462	103.6 *	118.3 *	89.6 *	35.9	171.3	14.6	222.0	1.8	177.5
65 to 74	12	7	5	4,924	2,356	2,568	243.7 *	297.1 *	194.7 *	105.8	381.6	77.0	517.2	24.0	365.4
75 to 84	8	5	3	2,147	935	1,212	372.6 *	534.8 *	247.5 *	114.4	630.8	66.0	1,003.5	0.0	527.6
85 & Older	1	0	1	785	327	458	127.4 *	0.0 +	218.3 *	0.0	377.1	-	-	0.0	646.3
Unknown	0	0	0												
Total	39	23	16	121,863	60,799	61,064	32.0	37.8	26.2 *	22.0	42.0	22.4	53.3	13.4	39.0
Age-Adjusted							51.3	64.3	39.8 *	34.2	68.3	35.9	92.6	19.4	60.2
							WHITE								
Under 1	0	0	0	168,928	86,181	82,747	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	608,995	311,436	297,559	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	1	1	0	1,786,666	918,847	867,819	0.1 *	0.1 *	0.0 +	0.0	0.2	0.0	0.3	-	-
15 to 24	11	8	3	1,831,860	947,345	884,515	0.6 *	0.8 *	0.3 *	0.2	1.0	0.3	1.4	0.0	0.7
25 to 34	27	19	8	1,885,206	961,929	923,277	1.4	2.0	0.9 *	0.9	2.0	1.1	2.9	0.3	1.5
35 to 44	80	51	29	2,579,091	1,318,760	1,260,331	3.1	3.9	2.3	2.4	3.8	2.8	4.9	1.5	3.1
45 to 54	261 509	152 289	109 220	2,633,665	1,323,757	1,309,908 981,140	9.9 26.3	11.5 30.3	8.3 22.4	8.7 24.0	11.1 28.6	9.7 26.8	13.3 33.8	6.8 19.5	9.9 25.4
55 to 64 65 to 74	762	289 448	314	1,933,678 1,259,989	952,538 594,985	981,140 665,004	26.3 60.5	30.3 75.3	47.2	56.2	28.6 64.8	26.8 68.3	33.8 82.3	19.5 42.0	52.4 52.4
75 to 84	1,285	659	626	1,259,989	416,813	586,284	128.1	75.3 158.1	106.8	56.∠ 121.1	135.1	146.0	82.3 170.2	98.4	52.4 115.1
85 & Older	841	341	500	404,890	134,702	270,188	207.7	253.2	185.1	193.7	221.7	226.3	280.0	168.8	201.3
Unknown	1	1	0	404,000	10-1,102	270,100	201.1	200.2	100.1	100.7	££ 1.1	220.0	200.0	100.0	201.0
Total	3,778	1,969	1,809	16,096,065	7,967,293	8,128,772	23.5	24.7	22.3	22.7	24.2	23.6	25.8	21.2	23.3
Age-Adjusted							17.4	21.2	14.4	16.8	17.9	20.3	22.2	13.7	15.1
						Т	WO OR MORE	ERACES							
Under 1	0	0	0	10,512	5,369	5,143	0.0 +	0.0 +	0.0 +		-	-	-	-	-
1 to 4	0	0	0	107,336	54,939	52,397	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	168,750	85,488	83,262	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	0	0	0	126,962	62,819	64,143	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	0	0	0	85,304	41,007	44,297	0.0 +	0.0 +	0.0 +			-	-	-	-
35 to 44	2	2	0	78,644	37,811	40,833	2.5 *	5.3 *	0.0 +	0.0	6.1	0.0	12.6	-	-
45 to 54	2	1	1	63,278	30,017	33,261	3.2 *	3.3 *	3.0 *	0.0	7.5	0.0	9.9	0.0	8.9
55 to 64	8	1	7	37,843	17,751	20,092	21.1 *	5.6 *	34.8 *	6.5	35.8	0.0	16.7	9.0	60.6
65 to 74	2	0	2	21,434	9,955	11,479	9.3 *	0.0 +	17.4 *	0.0	22.3	-	-	0.0	41.6
75 to 84	8	5	3	12,660	5,536	7,124	63.2 *	90.3 *	42.1 *	19.4	107.0	11.2	169.5	0.0	89.8
85 & Older	5 0	0	5 0	4,641	1,681	2,960	107.7 *	0.0 +	168.9 *	13.3	202.2	-	-	20.9	317.0
Unknown Total	27	9	18	717,364	352,373	364,991	3.8	2.6 *	4.9 *	2.3	5.2	0.9	4.2	2.7	7.2
Age-Adjusted	۷1	<u> </u>	10	111,304	552,515	JU+,JJ I	7.8	5.9 *	9.1 *	4.8	10.8	1.9	9.8	4.9	13.4
, igo , iajuotoa								5.5	J.1	7.0		1.0	3.0	7.0	

Note: Rates are per 100,000 population. ICD-10 codes E10-E14.

Two or More Races, White, Black, Asian and American Indian exclude Hispanic ethnicity.

Hispanic includes any race category.

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

+ Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance; 2003 Population: Population Projections by Age, Race/Ethnicity and Sex, May 2004. State of California, Department of Health Services, Death Records.

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

AGE		DEATHS			POPULATION	ı		RATES			9	5% CONFID	ENCE LIMI	TS	
GROUPS										TOT		MA			IALE
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
							TOTAL								
Under 1	0	0	0	516,411	263,488	252,923	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	1,976,342	1,010,549	965,793	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14 15 to 24	4 18	4 12	0 6	5,412,306 5,045,468	2,773,346 2,631,609	2,638,960 2,413,859	0.1 * 0.4 *	0.1 * 0.5 *	0.0 + 0.2 *	0.0 0.2	0.1 0.5	0.0 0.2	0.3 0.7	0.0	0.4
25 to 34	61	37	24	5,288,247	2,724,113	2,564,134	1.2	1.4	0.9	0.2	1.4	0.2	1.8	0.6	1.3
35 to 44	194	121	73	5,607,549	2,846,141	2,761,408	3.5	4.3	2.6	3.0	3.9	3.5	5.0	2.0	3.3
45 to 54	501	270	231	4,679,130	2,308,857	2,370,273	10.7	11.7	9.7	9.8	11.6	10.3	13.1	8.5	11.0
55 to 64	951	540	411	2,962,280	1,429,870	1,532,410	32.1	37.8	26.8	30.1	34.1	34.6	41.0	24.2	29.4
65 to 74 75 to 84	1,592 2,266	824 1,062	768 1,204	1,954,020 1,383,065	896,870 571,663	1,057,150 811,402	81.5 163.8	91.9 185.8	72.6 148.4	77.5 157.1	85.5 170.6	85.6 174.6	98.1 196.9	67.5 140.0	77.8 156.8
85 & Older	1,196	437	759	513,989	171,306	342,683	232.7	255.1	221.5	219.5	245.9	231.2	279.0	205.7	237.2
Total	6,783	3,307	3,476	35,338,807	17,627,812	17,710,995	19.2	18.8	19.6	18.7	19.7	18.1	19.4	19.0	20.3
Age-Adjusted							21.4	24.2	19.1	20.9	21.9	23.4	25.0	18.5	19.8
Under 4	^	0		075	407	470	AMERICAN		0.0.						
Under 1 1 to 4	0	0	0 0	975 10,125	497 5,213	478 4,912	0.0 + 0.0 +	0.0 + 0.0 +	0.0 + 0.0 +		-		-		-
5 to 14	0	0	0	39,005	19,736	19,269	0.0 +	0.0 +	0.0 +	-			-	-	
15 to 24	0	0	0	37,805	19,399	18,406	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	0	0	0	32,536	16,203	16,333	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
35 to 44	1	0	1	39,544	19,207	20,337	2.5 *	0.0 +	4.9 *	0.0	7.5	-	-	0.0	14.6
45 to 54 55 to 64	3 8	2 5	1	35,940 21,530	17,069 10,335	18,871 11,195	8.3 * 37.2 *	11.7 * 48.4 *	5.3 * 26.8 *	0.0 11.4	17.8 62.9	0.0 6.0	28.0 90.8	0.0 0.0	15.7 57.1
65 to 74	16	4	12	10,593	4,921	5,672	151.0 *	81.3 *	211.6 *	77.0	225.1	1.6	160.9	91.9	331.3
75 to 84	9	5	4	5,571	2,305	3,266	161.6 *	216.9 *	122.5 *	56.0	267.1	26.8	407.1	2.4	242.5
85 & Older	1	1	0	2,885	1,015	1,870	34.7 *	98.5 *	0.0 +	0.0	102.6	0.0	291.6	-	-
Total Age-Adjusted	38	17	21	236,509	115,900	120,609	16.1 22.5	14.7 * 22.4 *	17.4 23.3	11.0 15.1	21.2 29.9	7.7 11.1	21.6 33.7	10.0 13.2	24.9 33.5
Age-Aujusteu							ASIAN		23.3	13.1	25.5	11.1	33.1	13.2	33.3
Under 1	0	0	0	45,926	23,458	22,468	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	178,330	91,534	86,796	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	507,351	262,076	245,275	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24 25 to 34	0 2	0 2	0	557,144 644,621	284,561 313,918	272,583 330,703	0.0 + 0.3 *	0.0 + 0.6 *	0.0 + 0.0 +	0.0	0.7	0.0	1.5	-	-
35 to 44	7	5	2	659,156	314,894	344,262	1.1 *	1.6 *	0.6 *	0.3	1.8	0.0	3.0	0.0	1.4
45 to 54	31	22	9	578,796	268,890	309,906	5.4	8.2	2.9 *	3.5	7.2	4.8	11.6	1.0	4.8
55 to 64	66	38	28	337,662	157,274	180,388	19.5	24.2	15.5	14.8	24.3	16.5	31.8	9.8	21.3
65 to 74	140 208	78 90	62 118	233,048	101,009	132,039	60.1	77.2	47.0	50.1	70.0	60.1	94.4	35.3	58.6
75 to 84 85 & Older	105	44	61	137,756 41,956	58,678 16,705	79,078 25,251	151.0 250.3	153.4 263.4	149.2 241.6	130.5 202.4	171.5 298.1	121.7 185.6	185.1 341.2	122.3 181.0	176.1 302.2
Total	559	279	280	3,921,746	1,892,997	2,028,749	14.3	14.7	13.8	13.1	15.4	13.0	16.5	12.2	15.4
Age-Adjusted							17.3	19.6	15.4	15.8	18.7	17.3	22.0	13.6	17.2
							BLAC								
Under 1	0	0 0	0 0	27,144	13,839	13,305	0.0 +	0.0 + 0.0 +	0.0 + 0.0 +	-	-	-	-	-	-
1 to 4 5 to 14	1	1	0	126,271 411,254	64,316 209,155	61,955 202,099	0.0 + 0.2 *	0.0 +	0.0 +	0.0	0.7	0.0	1.4	-	- 1
15 to 24	3	2	1	358,775	185,649	173,126	0.8 *	1.1 *	0.6 *	0.0	1.8	0.0	2.6	0.0	1.7
25 to 34	15	7	8	327,826	161,945	165,881	4.6 *	4.3 *	4.8 *	2.3	6.9	1.1	7.5	1.5	8.2
35 to 44	34 80	18 37	16 43	395,874	197,451	198,423	8.6 26.3	9.1 * 25.1	8.1 * 27.5	5.7 20.5	11.5 32.1	4.9 17.0	13.3 33.2	4.1 19.3	12.0
45 to 54 55 to 64	161	37 85	43 76	304,136 179,445	147,575 83,390	156,561 96,055	26.3 89.7	25.1 101.9	27.5 79.1	20.5 75.9	103.6	80.3	33.2 123.6	61.3	35.7 96.9
65 to 74	203	97	106	113,055	51,054	62,001	179.6	190.0	171.0	154.9	204.3	152.2	227.8	138.4	203.5
75 to 84	201	77	124	62,587	24,248	38,339	321.2	317.6	323.4	276.8	365.6	246.6	388.5	266.5	380.4
85 & Older	114	28	86	23,307	6,933	16,374	489.1	403.9	525.2	399.3	578.9	254.3	553.5	414.2	636.2
Total Age-Adjusted	812	352	460	2,329,674	1,145,555	1,184,119	34.9 47.4	30.7 47.6	38.8 46.6	32.5 44.1	37.3 50.7	27.5 42.4	33.9 52.8	35.3 42.3	42.4 50.9
/ igo / iujuated							HISPAN		70.0	77.1	55.1	74.7	0£.0	72.0	55.5
Under 1	0	0	0	256,278	130,761	125,517	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	950,953	485,542	465,411	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	1	1	0	2,449,592	1,252,436	1,197,156	0.0 *	0.1 *	0.0 +	0.0	0.1	0.0	0.2	-	-
15 to 24 25 to 34	7 15	3 10	4 5	2,147,131 2,222,788	1,140,661 1,182,208	1,006,470 1,040,580	0.3 * 0.7 *	0.3 * 0.8 *	0.4 * 0.5 *	0.1 0.3	0.6 1.0	0.0 0.3	0.6 1.4	0.0 0.1	0.8 0.9
35 to 44	67	41	26	1,788,037	924,255	863,782	3.7	4.4	3.0	2.8	4.6	3.1	5.8	1.9	4.2
45 to 54	142	80	62	1,086,080	535,046	551,034	13.1	15.0	11.3	10.9	15.2	11.7	18.2	8.5	14.1
55 to 64	283	157	126	554,789	259,751	295,038	51.0	60.4	42.7	45.1	57.0	51.0	69.9	35.2	50.2
65 to 74	437	217	220	330,157	145,276	184,881	132.4	149.4	119.0	120.0	144.8	129.5	169.2	103.3	134.7
75 to 84 85 & Older	492 190	216 61	276 129	167,231 49,930	68,658 17,160	98,573 32,770	294.2 380.5	314.6 355.5	280.0 393.7	268.2 326.4	320.2 434.6	272.6 266.3	356.6 444.7	247.0 325.7	313.0 461.6
Total	1,634	786	848	12,002,966	6,141,754	5,861,212	13.6	355.5 12.8	14.5	13.0	14.3	200.3 11.9	13.7	13.5	15.4
Age-Adjusted	.,			_,,		-,,	34.8	37.7	32.4	33.0	36.6	34.8	40.5	30.1	34.6

Note: Rates are per 100,000 population. ICD-10 codes E10-E14.

Two or More Races, White, Black, Asian and American Indian exclude Hispanic ethnicity. Hispanic includes any race category.

Source: State of California, Department of Finance; 2002 Population: Population Projections by Age, Race/Ethnicity and Sex, May 2004. State of California, Department of Health Services, Death Records.

<sup>\*</sup> Death rate unreliable, relative standard error is greater than or equal to 23 percent

<sup>+</sup> Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

# TABLE 2 (Continued) DIABETES DEATHS BY RACE/ETHNICITY, AGE, AND SEX CALIFORNIA, 2002

(By Place of Residence)

AGE GROUPS		DEATHS			<b>POPULATION</b>			RATES			9	5% CONFID	ENCE LIMI	ıo	
						Ì				TO.		MA			1ALE
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
			1				TOTAL								
Under 1	0	0	0	516,411	263,488	252,923	0.0 +	0.0 +	0.0 +		_	-	-		-
1 to 4	0	0	0	1,976,342	1,010,549	965,793	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	4	4	0	5,412,306	2,773,346	2,638,960	0.1 *	0.1 *	0.0 +	0.0	0.1	0.0	0.3	-	-
15 to 24	18	12	6	5,045,468	2,631,609	2,413,859	0.4 *	0.5 *	0.2 *	0.2	0.5	0.2	0.7	0.0	0.4
25 to 34	61	37	24	5,288,247	2,724,113	2,564,134	1.2	1.4	0.9	0.9	1.4	0.9	1.8	0.6	1.3
35 to 44	194	121	73	5,607,549	2,846,141	2,761,408	3.5	4.3	2.6	3.0	3.9	3.5	5.0	2.0	3.3
45 to 54	501	270	231	4,679,130	2,308,857	2,370,273	10.7	11.7	9.7	9.8	11.6	10.3	13.1	8.5	11.0
55 to 64	951	540	411	2,962,280	1,429,870	1,532,410	32.1	37.8	26.8	30.1	34.1	34.6	41.0	24.2	29.4
65 to 74	1,592	824	768	1,954,020	896,870	1,057,150	81.5	91.9	72.6	77.5	85.5	85.6	98.1	67.5	77.8
75 to 84	2,266	1,062	1,204	1,383,065	571,663	811,402	163.8	185.8	148.4	157.1	170.6	174.6	196.9	140.0	156.8
85 & Older	1,196	437	759	513,989	171,306	342,683	232.7	255.1	221.5	219.5	245.9	231.2	279.0	205.7	237.2
Total Age-Adjusted	6,783	3,307	3,476	35,338,807	17,627,812	17,710,995	19.2 21.4	18.8 24.2	19.6 19.1	18.7 20.9	19.7 21.9	18.1 23.4	19.4 25.0	19.0 18.5	20.3 19.8
Age-Adjusted							PACIFIC ISL		19.1	20.9	21.9	23.4	25.0	18.5	19.8
Under 1	0	0	0	1,380	704	676	0.0 +	0.0 +	0.0 +						
1 to 4	0	0	0	6,245	3,232	3,013	0.0 +	0.0 +	0.0 +	-	-	-	-	-	
5 to 14	0	0	0	20,353	10,399	9,954	0.0 +	0.0 +	0.0 +	-	-	-	-		-
15 to 24	0	0	0	20,333	10,624	10,203	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	1	0	1	20,421	10,039	10,382	4.9 *	0.0 +	9.6 *	0.0	14.5	_	-	0.0	28.5
35 to 44	0	0	0	20,560	10,290	10,270	0.0 +	0.0 +	0.0 +	-	-	_	_	-	
45 to 54	4	1	3	14,309	7,090	7,219	28.0 *	14.1 *	41.6 *	0.6	55.3	0.0	41.7	0.0	88.6
55 to 64	8	3	5	8,156	3,960	4,196	98.1 *	75.8 *	119.2 *	30.1	166.1	0.0	161.5	14.7	223.6
65 to 74	17	7	10	4,585	2,196	2,389	370.8 *	318.8 *	418.6 *	194.5	547.0	82.6	554.9	159.1	678.0
75 to 84	8	4	4	1,925	831	1,094	415.6 *	481.3 *	365.6 *	127.6	703.6	9.6	953.1	7.3	723.9
85 & Older	2	1	1	643	261	382	311.0 *	383.1 *	261.8 *	0.0	742.1	0.0	1,134.1	0.0	774.9
Total	40	16	24	119,404	59,626	59,778	33.5	26.8 *	40.1	23.1	43.9	13.7	40.0	24.1	56.2
Age-Adjusted							60.9	57.1 *	65.4	41.0	80.9	27.2	87.0	38.1	92.7
							WHITE								
Under 1	0	0	0	150,846	76,936	73,910	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	613,463	314,208	299,255	0.0 + 0.1 *	0.0 + 0.2 *	0.0 + 0.0 +	0.0	0.3	0.0	0.5	-	-
5 to 14 15 to 24	2 8	2 7	1	1,819,031 1,802,388	935,673 930,873	883,358 871,515	0.1 *	0.2 *	0.0 +	0.0	0.3	0.0	1.3	0.0	0.3
25 to 34	28	18	10	1,956,447	999,574	956,873	1.4	1.8 *	1.0 *	0.1	2.0	1.0	2.6	0.0	1.7
35 to 44	84	57	27	2,625,877	1,342,353	1,283,524	3.2	4.2	2.1	2.5	3.9	3.1	5.3	1.3	2.9
45 to 54	240	128	112	2,599,031	1,304,396	1,294,635	9.2	9.8	8.7	8.1	10.4	8.1	11.5	7.0	10.3
55 to 64	423	251	172	1,825,358	898,529	926,829	23.2	27.9	18.6	21.0	25.4	24.5	31.4	15.8	21.3
65 to 74	775	419	356	1,242,058	582,927	659,131	62.4	71.9	54.0	58.0	66.8	65.0	78.8	48.4	59.6
75 to 84	1,348	670	678	996,270	411,887	584,383	135.3	162.7	116.0	128.1	142.5	150.3	175.0	107.3	124.8
85 & Older	781	301	480	391,271	127,805	263,466	199.6	235.5	182.2	185.6	213.6	208.9	262.1	165.9	198.5
Total	3,689	1,853	1,836	16,022,040	7,925,161	8,096,879	23.0	23.4	22.7	22.3	23.8	22.3	24.4	21.6	23.7
Age-Adjusted							17.3	20.5	14.9	16.8	17.9	19.6	21.5	14.2	15.6
							WO OR MOR								
Under 1	0	0	0	33,862	17,293	16,569	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	90,955	46,504	44,451	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	165,720	83,871	81,849	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24 25 to 34	0 0	0	0	121,398 83,608	59,842 40,226	61,556 43,382	0.0 + 0.0 +	0.0 + 0.0 +	0.0 + 0.0 +	-	-	-	-	-	-
25 to 34 35 to 44	1	0	1	78,501	40,226 37,691	43,382 40,810	1.3 *	0.0 +	2.5 *	0.0	3.8	_	-	0.0	7.3
45 to 54	1	0	1	60,838	28,791	32,047	1.6 *	0.0 +	2.5 3.1 *	0.0	3.6 4.9			0.0	9.2
55 to 64	2	1	1	35,340	16,631	18,709	5.7 *	6.0 *	5.3 *	0.0	13.5	0.0	17.8	0.0	15.8
65 to 74	4	2	2	20,524	9.487	11,037	19.5 *	21.1 *	18.1 *	0.4	38.6	0.0	50.3	0.0	43.2
75 to 84	0	0	0	11,725	5,056	6,669	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
85 & Older	3	1	2	3,997	1,427	2,570	75.1 *	70.1 *	77.8 *	0.0	160.0	0.0	207.4	0.0	185.7
Total	11	4	7	706,468	346,819	359,649	1.6 *	1.2 *	1.9 *	0.6	2.5	0.0	2.3	0.5	3.4
Age-Adjusted				•	•		3.4 *	3.0 *	3.7 *	1.3	5.4	0.0	6.1	0.9	6.5

Note: Rates are per 100,000 population. ICD-10 codes E10-E14.

Two or More Races, White, Black, Asian and American Indian exclude Hispanic ethnicity.

Hispanic includes any race category.

Death rate unreliable, relative standard error is greater than or equal to 23 percent
 Standard error indeterminate, death rate based on no (zero) deaths.

Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance; 2002 Population: Population Projections by Age, Race/Ethnicity and Sex, May 2004.

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

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

AGE		DEATHS			POPULATION	J		RATES			9	5% CONFID	ENCE LIMIT	rs	
GROUPS		<i>D L</i> ,								TO'			LE		1ALE
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
	•		•			•	TOTAL	L				•			•
Under 1	0	0	0	518,927	264,741	254,186	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	1,960,105	1,002,866	957,239	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	5	5	0	5,377,327	2,755,213	2,622,114	0.1 *	0.2 *	0.0 +	0.0	0.2	0.0	0.3	-	-
15 to 24	12 49	5 24	7 25	4,956,819	2,584,393	2,372,426	0.2 *	0.2 * 0.9	0.3 *	0.1 0.7	0.4	0.0 0.5	0.4	0.1	0.5
25 to 34 35 to 44	193	124	69	5,284,524 5,566,274	2,720,908 2,820,571	2,563,616 2,745,703	0.9 3.5	4.4	1.0 2.5	3.0	1.2 4.0	3.6	1.2 5.2	0.6 1.9	1.4 3.1
45 to 54	540	324	216	4,552,753	2,244,282	2,308,471	11.9	14.4	9.4	10.9	12.9	12.9	16.0	8.1	10.6
55 to 64	934	521	413	2,774,474	1,337,024	1,437,450	33.7	39.0	28.7	31.5	35.8	35.6	42.3	26.0	31.5
65 to 74	1,610	789	821	1,920,122	876,170	1,043,952	83.8	90.1	78.6	79.8	87.9	83.8	96.3	73.3	84.0
75 to 84	2,048	931	1,117	1,341,150	551,924	789,226	152.7	168.7	141.5	146.1	159.3	157.8	179.5	133.2	149.8
85 & Older	1,066	365	701	477,265	155,766	321,499	223.4	234.3	218.0	209.9	236.8	210.3	258.4	201.9	234.2
Total Age-Adjusted	6,457	3,088	3,369	34,729,740	17,313,858	17,415,882	18.6 21.1	17.8 23.4	19.3 19.3	18.1 20.6	19.0 21.6	17.2 22.5	18.5 24.2	18.7 18.6	20.0 19.9
Age-Aujusteu							AMERICAN I		19.5	20.0	21.0	22.3	24.2	10.0	15.5
Under 1	0	0	0	1,038	535	503	0.0 +	0.0 +	0.0 +	-	_	-	-	-	-
1 to 4	0	0	0	10,963	5,601	5,362	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	35,606	18,114	17,492	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	0	0	0	33,978	17,440	16,538	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	0	0	0	30,478	15,239	15,239	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
35 to 44 45 to 54	2 5	0 4	2 1	37,042 32,579	18,030 15,481	19,012 17,098	5.4 * 15.3 *	0.0 + 25.8 *	10.5 * 5.8 *	0.0 1.9	12.9 28.8	0.5	51.2	0.0 0.0	25.1 17.3
45 to 64	9	5	4	32,579 18,780	9,021	9,759	47.9 *	25.8 * 55.4 *	41.0 *	16.6	28.8 79.2	6.8	104.0	0.0	81.2
65 to 74	17	5	12	9,505	4,399	5,106	178.9 *	113.7 *	235.0 *	93.8	263.9	14.0	213.3	102.0	368.0
75 to 84	7	3	4	4,872	1,990	2,882	143.7 *	150.8 *	138.8 *	37.2	250.1	0.0	321.3	2.8	274.8
85 & Older	3	1	2	2,163	734	1,429	138.7 *	136.2 *	140.0 *	0.0	295.6	0.0	403.3	0.0	333.9
Total	43	18	25	217,004	106,584	110,420	19.8	16.9 *	22.6	13.9	25.7	9.1	24.7	13.8	31.5
Age-Adjusted							27.5	24.7 *	30.0	19.0	36.0	12.5	36.9	18.0	42.0
Under 1	0	0	0	47,353	24,180	23,173	0.0 +	0.0 +	0.0 +						
1 to 4	0	0	0	175,354	90,196	85,158	0.0 +	0.0 +	0.0 +	_	_	_	-	_	_
5 to 14	0	0	0	506,076	261,333	244,743	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	0	0	0	558,118	283,682	274,436	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	2	0	2	652,150	316,603	335,547	0.3 *	0.0 +	0.6 *	0.0	0.7	-	-	0.0	1.4
35 to 44	13 30	9 24	4 6	654,655	311,736	342,919	2.0 * 5.4	2.9 *	1.2 * 2.0 *	0.9 3.4	3.1	1.0 5.6	4.8 13.0	0.0 0.4	2.3
45 to 54 55 to 64	72	45	27	559,132 317,844	259,407 147,600	299,725 170,244	22.7	9.3 30.5	15.9	3.4 17.4	7.3 27.9	21.6	39.4	9.9	3.6 21.8
65 to 74	120	60	60	226,106	97,488	128,618	53.1	61.5	46.6	43.6	62.6	46.0	77.1	34.8	58.5
75 to 84	169	66	103	127,700	54,562	73,138	132.3	121.0	140.8	112.4	152.3	91.8	150.1	113.6	168.0
85 & Older	87	35	52	36,199	14,378	21,821	240.3	243.4	238.3	189.8	290.8	162.8	324.1	173.5	303.1
Total	493	239	254	3,860,687	1,861,165	1,999,522	12.8	12.8	12.7	11.6	13.9	11.2	14.5	11.1	14.3
Age-Adjusted							16.2 BLACk	17.6	15.0	14.8	17.7	15.3	19.9	13.2	16.9
Under 1	0	0	0	28,498	14,527	13,971	0.0 +	0.0 +	0.0 +						
1 to 4	0	0	0	129,558	65,928	63,630	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	1	1	0	405,206	205,997	199,209	0.2 *	0.5 *	0.0 +	0.0	0.7	0.0	1.4	-	-
15 to 24	4	1	3	341,761	176,140	165,621	1.2 *	0.6 *	1.8 *	0.0	2.3	0.0	1.7	0.0	3.9
25 to 34	8	5	3	328,784	162,827	165,957	2.4 *	3.1 *	1.8 *	0.7	4.1	0.4	5.8	0.0	3.9
35 to 44 45 to 54	33 90	19 43	14 47	390,384 289,801	194,372 140,000	196,012 149,801	8.5 31.1	9.8 30.7	7.1 * 31.4	5.6 24.6	11.3 37.5	5.4 21.5	14.2 39.9	3.4 22.4	10.9 40.3
45 to 64	112	43 65	47	170,354	79,371	90,983	65.7	30.7 81.9	51.4 51.7	53.6	37.5 77.9	62.0	39.9 101.8	36.9	40.3 66.4
65 to 74	187	82	105	108,917	48,723	60,194	171.7	168.3	174.4	147.1	196.3	131.9	204.7	141.1	207.8
75 to 84	183	67	116	60,927	23,448	37,479	300.4	285.7	309.5	256.8	343.9	217.3	354.2	253.2	365.8
85 & Older	86	26	60	21,657	6,331	15,326	397.1	410.7	391.5	313.2	481.0	252.8	568.5	292.4	490.6
Total	704	309	395	2,275,847	1,117,664	1,158,183	30.9	27.6	34.1	28.6	33.2	24.6	30.7	30.7	37.5
Age-Adjusted							42.8 HISPAN	43.7	41.9	39.6	46.0	38.6	48.9	37.7	46.0
Under 1	0	0	0	253,961	129,573	124,388	0.0 +	0.0 +	0.0 +			_			
1 to 4	0	0	0	938,287	479,043	459,244	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	2	2	0	2,385,392	1,219,250	1,166,142	0.1 *	0.2 *	0.0 +	0.0	0.2	0.0	0.4	-	-
15 to 24	6	2	4	2,090,373	1,113,138	977,235	0.3 *	0.2 *	0.4 *	0.1	0.5	0.0	0.4	0.0	8.0
25 to 34	15	5	10	2,148,856	1,142,461	1,006,395	0.7 *	0.4 *	1.0 *	0.3	1.1	0.1	0.8	0.4	1.6
35 to 44	49 144	33	16	1,698,401	876,555	821,846	2.9	3.8	1.9 *	2.1	3.7	2.5	5.0	1.0	2.9
45 to 54 55 to 64	144 269	84 135	60 134	1,013,711 515,325	498,885 240,811	514,826 274,514	14.2 52.2	16.8 56.1	11.7 48.8	11.9 46.0	16.5 58.4	13.2 46.6	20.4 65.5	8.7 40.5	14.6 57.1
	482	221	261	315,002	138,023	176,979	153.0	160.1	147.5	139.4	166.7	139.0	181.2	129.6	165.4
						91,056	292.4	297.6	288.8	265.4	319.4	254.9	340.2	253.9	323.7
65 to 74 75 to 84	450	187	263	153,901	62,845	91,030	202.7							200.0	
65 to 74 75 to 84 85 & Older	450 184	51	133	44,732	15,161	29,571	411.3	336.4	449.8	351.9	470.8	244.1	428.7	373.3	526.2
65 to 74 75 to 84	450														

Note: Rates are per 100,000 population. ICD-10 codes E10-E14.
Two or More Races, White, Black, Asian and American Indian exclude Hispanic ethnicity.

Death rate unreliable, relative standard error is greater than or equal to 23 percent
 Standard error indeterminate, death rate based on no (zero) deaths.
 Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance; 2001 Population: Population Projections by Age, Race/Ethnicity and Sex, May 2004. State of California, Department of Health Services, Death Records.

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

AGE		DEATHS			POPULATION	١		RATES			9:	5% CONFID	ENCE LIMIT	ГS	
GROUPS										TO'	TAL	MA		FEM	ALE
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
					•		TOTAL		•					'	
Under 1	0	0	0	518,927	264,741	254,186	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	1,960,105	1,002,866	957,239	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	5	5	0	5,377,327	2,755,213	2,622,114	0.1 *	0.2 *	0.0 +	0.0	0.2	0.0	0.3	-	-
15 to 24	12	5	7	4,956,819	2,584,393	2,372,426	0.2 *	0.2 *	0.3 *	0.1	0.4	0.0	0.4	0.1	0.5
25 to 34	49	24	25	5,284,524	2,720,908	2,563,616	0.9	0.9	1.0	0.7	1.2	0.5	1.2	0.6	1.4
35 to 44	193	124	69	5,566,274	2,820,571	2,745,703	3.5	4.4	2.5	3.0	4.0	3.6	5.2	1.9	3.1
45 to 54	540	324	216	4,552,753	2,244,282	2,308,471	11.9	14.4	9.4	10.9	12.9	12.9	16.0	8.1	10.6
55 to 64	934	521	413	2,774,474	1,337,024	1,437,450	33.7	39.0	28.7	31.5	35.8	35.6	42.3	26.0	31.5
65 to 74	1,610	789	821	1,920,122	876,170	1,043,952	83.8	90.1	78.6	79.8	87.9	83.8	96.3	73.3	84.0
75 to 84 85 & Older	2,048	931 365	1,117	1,341,150	551,924	789,226	152.7	168.7 234.3	141.5 218.0	146.1 209.9	159.3	157.8	179.5	133.2 201.9	149.8
Total	1,066 6,457	3,088	701 3,369	477,265 34,729,740	155,766 17,313,858	321,499 17,415,882	223.4 18.6	234.3 17.8	19.3	209.9 18.1	236.8 19.0	210.3 17.2	258.4 18.5	18.7	234.2 20.0
Age-Adjusted	6,457	3,000	3,369	34,729,740	17,313,000	17,415,002	21.1	23.4	19.3	20.6	21.6	22.5	24.2	18.6	19.9
Age-Aujusteu							PACIFIC ISL		19.5	20.0	21.0	22.5	24.2	10.0	19.9
Under 1	0	0	0	1,310	667	643	0.0 +	0.0 +	0.0 +						
1 to 4	0	0	0	6,581	3,414	3,167	0.0 +	0.0 +	0.0 +	_	-	_	-	_	-
5 to 14	0	0	0	20,255	10,333	9,922	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	0	0	0	20,544	10,503	10,041	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	0	0	0	20,167	9,883	10,284	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
35 to 44	5	2	3	19,860	9,978	9,882	25.2 *	20.0 *	30.4 *	3.1	47.2	0.0	47.8	0.0	64.7
45 to 54	5	4	1	13,551	6,720	6,831	36.9 *	59.5 *	14.6 *	4.6	69.2	1.2	117.9	0.0	43.3
55 to 64	13	4	9	7,615	3,702	3,913	170.7 *	108.0 *	230.0 *	77.9	263.5	2.2	213.9	79.7	380.3
65 to 74	8	5	3	4,259	2,035	2,224	187.8 *	245.7 *	134.9 *	57.7	318.0	30.3	461.1	0.0	287.5
75 to 84	5	2	3	1,674	725	949	298.7 *	275.9 *	316.1 *	36.9	560.5	0.0	658.2	0.0	673.8
85 & Older	1	0	1	521	200	321	191.9 *	0.0 +	311.5 *	0.0	568.1			0.0	922.1
Total	37	17	20	116,337	58,160	58,177	31.8	29.2 *	34.4	21.6	42.1	15.3	43.1	19.3	49.4
Age-Adjusted							52.7 WHITE	49.3 *	54.9 *	34.2	71.3	23.5	75.1	29.1	80.7
Under 1	0	0	0	153,306	78,168	75,138	0.0 +	0.0 +	0.0 +						
1 to 4	0	0	0	624,482	320,442	304,040	0.0 +	0.0 +	0.0 +						
5 to 14	2	2	0	1,862,124	957,903	904,221	0.1 *	0.2 *	0.0 +	0.0	0.3	0.0	0.5	-	_
15 to 24	2	2	0	1,796,019	926.636	869,383	0.1 *	0.2 *	0.0 +	0.0	0.3	0.0	0.5	-	-
25 to 34	24	14	10	2,022,119	1,034,396	987,723	1.2	1.4 *	1.0 *	0.7	1.7	0.6	2.1	0.4	1.6
35 to 44	91	61	30	2,687,568	1,372,319	1,315,249	3.4	4.4	2.3	2.7	4.1	3.3	5.6	1.5	3.1
45 to 54	265	164	101	2,585,433	1,296,139	1,289,294	10.2	12.7	7.8	9.0	11.5	10.7	14.6	6.3	9.4
55 to 64	457	266	191	1,711,671	840,997	870,674	26.7	31.6	21.9	24.3	29.1	27.8	35.4	18.8	25.0
65 to 74	795	415	380	1,236,729	576,477	660,252	64.3	72.0	57.6	59.8	68.8	65.1	78.9	51.8	63.3
75 to 84	1,232	605	627	981,305	403,775	577,530	125.5	149.8	108.6	118.5	132.6	137.9	161.8	100.1	117.1
85 & Older	704	252	452	368,575	117,768	250,807	191.0	214.0	180.2	176.9	205.1	187.6	240.4	163.6	196.8
Total	3,572	1,781	1,791	16,029,331	7,925,020	8,104,311	22.3	22.5	22.1	21.6	23.0	21.4	23.5	21.1	23.1
Age-Adjusted						т	17.3 WO OR MOR	20.2	14.9	16.7	17.9	19.3	21.2	14.2	15.6
Under 1	0	0	0	33,461	17,091	16,370	0.0 +	0.0 +	0.0 +						
1 to 4	0	0	0	74,880	38,242	36,638	0.0 +	0.0 +	0.0 +	-	-			-	
5 to 14	0	0	0	162,668	82,283	80,385	0.0 +	0.0 +	0.0 +	_	_	_	_	_	_
15 to 24	0	0	0	116,026	56,854	59,172	0.0 +	0.0 +	0.0 +	-			-	_	_
25 to 34	0	0	0	81,970	39,499	42,471	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
35 to 44	0	0	0	78,364	37,581	40,783	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
45 to 54	1	1	0	58,546	27,650	30,896	1.7 *	3.6 *	0.0 +	0.0	5.1	0.0	10.7	-	-
55 to 64	2	1	1	32,885	15,522	17,363	6.1 *	6.4 *	5.8 *	0.0	14.5	0.0	19.1	0.0	17.0
65 to 74	1	1	0	19,604	9,025	10,579	5.1 *	11.1 *	0.0 +	0.0	15.1	0.0	32.8	-	-
75 to 84	2	1	1	10,771	4,579	6,192	18.6 *	21.8 *	16.1 *	0.0	44.3	0.0	64.6	0.0	47.8
85 & Older	1	0	1	3,418	1,194	2,224	29.3 *	0.0 +	45.0 *	0.0	86.6	-	-	0.0	133.1
Total	7	4	3	672,593	329,520	343,073	1.0 *	1.2 *	0.9 *	0.3	1.8	0.0	2.4	0.0	1.9
Age-Adjusted							2.4 *	2.8 *	1.9 *	0.6	4.2	0.0	5.6	0.0	4.1

Note: Rates are per 100,000 population. ICD-10 codes E10-E14.
Two or More Races, White, Black, Asian and American Indian exclude Hispanic ethnicity.
Hispanic includes any race category.

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

Standard error indeterminate, death rate based on no (zero) deaths. Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance; 2001 Population: Population Projections by Age, Race/Ethnicity and Sex, May 2004. State of California, Department of Health Services, Death Records.

State of California Department of Health Services

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

AGE		DEATHS			POPULATION	١		RATES			9:	5% CONFID	ENCE LIMI	ΓS	
GROUPS										TO		MA	\LE		MALE
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
	<u> </u>						TOTAL								
Under 1 1 to 4	1 1	1 1	0	491,073 1,990,873	251,541 1,018,496	239,532 972,377	0.2 * 0.1 *	0.4 * 0.1 *	0.0 + 0.0 +	0.0 0.0	0.6 0.1	0.0 0.0	1.2 0.3	-	-
5 to 14	4	3	1	5,310,526	2,720,715	2,589,811	0.1 *	0.1 *	0.0 +	0.0	0.1	0.0	0.3	0.0	0.1
15 to 24	14	10	4	4,860,696	2,532,547	2,328,149	0.3 *	0.4 *	0.2 *	0.1	0.4	0.2	0.6	0.0	0.3
25 to 34	55	36	19	5,245,273	2,702,010	2,543,263	1.0	1.3	0.7	0.8	1.3	0.9	1.8	0.4	1.1
35 to 44	217	127	90	5,499,218	2,780,657	2,718,561	3.9	4.6	3.3	3.4	4.5	3.8	5.4	2.6	4.0
45 to 54	475	269	206	4,376,695	2,156,077	2,220,618	10.9	12.5	9.3	9.9	11.8	11.0	14.0	8.0	10.5
55 to 64	849	442 774	407	2,641,560	1,270,830	1,370,730	32.1	34.8	29.7	30.0	34.3	31.5	38.0	26.8	32.6
65 to 74 75 to 84	1,566 1,982	964	792 1,018	1,894,010 1,294,989	858,793 530,932	1,035,217 764,057	82.7 153.1	90.1 181.6	76.5 133.2	78.6 146.3	86.8 159.8	83.8 170.1	96.5 193.0	71.2 125.1	81.8 141.4
85 & Older	1,038	387	651	438,285	139,496	298,789	236.8	277.4	217.9	222.4	251.2	249.8	305.1	201.1	234.6
Unknown	1	1	0	,	,										
Total	6,203	3,015	3,188	34,043,198	16,962,094	17,081,104	18.2	17.8	18.7	17.8	18.7	17.1	18.4	18.0	19.3
Age-Adjusted							21.1	24.1	18.9	20.6	21.6	23.2	25.0	18.3	19.6
Hadaa 4	0	0		2,114	1,092	1,022	AMERICAN I		0.0 +						
Under 1 1 to 4	0	0	0 0	10,167	5,187	4,980	0.0 + 0.0 +	0.0 + 0.0 +	0.0 +	- :	-	-	-		-
5 to 14	0	0	0	31,221	15,950	15,271	0.0 +	0.0 +	0.0 +	_	_	_	-	_	-
15 to 24	0	0	0	29,523	15,222	14,301	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	1	1	0	27,859	14,045	13,814	3.6 *	7.1 *	0.0 +	0.0	10.6	0.0	21.1	-	-
35 to 44	1	0	1	33,478	16,332	17,146	3.0 *	0.0 +	5.8 *	0.0	8.8	-	-	0.0	17.3
45 to 54	5 10	4 2	1 8	28,222 16,150	13,455 7,762	14,767 8,388	17.7 * 61.9 *	29.7 * 25.8 *	6.8 * 95.4 *	2.2 23.5	33.2 100.3	0.6 0.0	58.9 61.5	0.0 29.3	20.0
55 to 64 65 to 74	10 9	4	8 5	16,150 8,411	7,762 3,901	8,388 4,510	107.0 *	25.8 * 102.5 *	95.4 * 110.9 *	23.5 37.1	176.9	0.0 2.1	203.0	29.3 13.7	161.5 208.0
75 to 84	8	4	4	4,190	1,699	2,491	190.9 *	235.4 *	160.6 *	58.6	323.2	4.7	466.2	3.2	317.9
85 & Older	3	2	1	1,418	448	970	211.6 *	446.4 *	103.1 *	0.0	451.0	0.0	1,065.1	0.0	305.2
Unknown	0	0	0												
Total Age-Adjusted	37	17	20	192,753	95,093	97,660	19.2 27.7	17.9 * 31.5 *	20.5 26.3 *	13.0 18.3	25.4 37.0	9.4 15.0	26.4 48.0	11.5 14.4	29.5 38.2
Age-Aujusteu							ASIAN		20.5	10.5	37.0	13.0	40.0	17.7	30.2
Under 1	0	0	0	42,844	21,965	20,879	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	177,521	91,373	86,148	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	498,621	257,574	241,047	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24 25 to 34	0 2	0 2	0	552,160 642,906	279,314	272,846	0.0 + 0.3 *	0.0 + 0.6 *	0.0 + 0.0 +	0.0	0.7	0.0	1.5	-	-
35 to 44	9	7	2	639,658	311,655 302,953	331,251 336,705	1.4 *	2.3 *	0.6 *	0.0	2.3	0.6	1.5 4.0	0.0	1.4
45 to 54	28	18	10	528,556	245,171	283,385	5.3	7.3 *	3.5 *	3.3	7.3	4.0	10.7	1.3	5.7
55 to 64	57	34	23	300,494	138,840	161,654	19.0	24.5	14.2	14.0	23.9	16.3	32.7	8.4	20.0
65 to 74	113	65	48	217,029	93,082	123,947	52.1	69.8	38.7	42.5	61.7	52.9	86.8	27.8	49.7
75 to 84	160	75	85	116,423	49,861	66,562	137.4	150.4	127.7	116.1	158.7	116.4	184.5	100.6	154.8
85 & Older Unknown	83 0	30 0	53 0	30,080	12,023	18,057	275.9	249.5	293.5	216.6	335.3	160.2	338.8	214.5	372.5
Total	452	231	221	3,746,292	1,803,811	1,942,481	12.1	12.8	11.4	11.0	13.2	11.2	14.5	9.9	12.9
Age-Adjusted					,,		16.5	18.8	14.6	15.0	18.1	16.3	21.3	12.7	16.6
							BLAC								
Under 1	0	0	0	29,741	15,112	14,629	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4 5 to 14	0	0	0	132,430 397,484	67,365 201,951	65,065 195,533	0.0 + 0.0 +	0.0 + 0.0 +	0.0 + 0.0 +	-	-	-	-	-	-
15 to 24	4	2	2	326,641	167,718	158,923	1.2 *	1.2 *	1.3 *	0.0	2.4	0.0	2.8	0.0	3.0
25 to 34	13	10	3	331,100	165,044	166,056	3.9 *	6.1 *	1.8 *	1.8	6.1	2.3	9.8	0.0	3.9
35 to 44	43	21	22	383,161	190,459	192,702	11.2	11.0	11.4	7.9	14.6	6.3	15.7	6.6	16.2
45 to 54	65	35	30	274,820	132,042	142,778	23.7	26.5	21.0	17.9	29.4	17.7	35.3	13.5	28.5
55 to 64 65 to 74	141 196	70 85	71 111	164,079 105,017	76,569 46,402	87,510 58,615	85.9 186.6	91.4 183.2	81.1 189.4	71.7 160.5	100.1 212.8	70.0 144.2	112.8 222.1	62.3 154.1	100.0 224.6
75 to 84	184	80	104	58,654	22,382	36,272	313.7	357.4	286.7	268.4	359.0	279.1	435.8	231.6	341.8
85 & Older	89	30	59	19,689	5,604	14,085	452.0	535.3	418.9	358.1	545.9	343.8	726.9	312.0	525.8
Unknown	0	0	0												
Total Age-Adjusted	735	333	402	2,222,816	1,090,648	1,132,168	33.1 46.6	30.5 50.8	35.5 44.0	30.7 43.2	35.5 50.0	27.3 45.0	33.8 56.6	32.0 39.7	39.0 48.4
Age-Adjusted							HISPAN		44.0	43.2	50.0	43.0	0.00	JJ.1	40.4
Under 1	1	1	0	237,496	121,585	115,911	0.4 *	0.8 *	0.0 +	0.0	1.2	0.0	2.4	-	-
1 to 4	0	0	0	948,679	484,068	464,611	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	2,299,957	1,175,384	1,124,573	0.0 +	0.0 +	0.0 +						
15 to 24	3 16	2	1	2,027,816	1,080,868	946,948	0.1 *	0.2 *	0.1 *	0.0	0.3	0.0	0.4	0.0	0.3
25 to 34		10	6	2,060,173	1,095,849 826,047	964,324 778,042	0.8 * 3.1	0.9 * 3.5	0.6 * 2.6	0.4 2.2	1.2 3.9	0.3 2.2	1.5 4.8	0.1 1.4	1.1 3.7
35 to 44		29	20			110,072	0.1								
35 to 44 45 to 54	49	29 74	20 63	1,604,089 941,053		478.130	14.6	16.0	13.2	12.1	17.0	12.3	19.6	9.9	16.4
35 to 44 45 to 54 55 to 64			20 63 126	941,053 481,558	462,923 224,626	478,130 256,932	14.6 51.7	16.0 54.8	13.2 49.0	12.1 45.3	17.0 58.1	12.3 45.1	19.6 64.4	9.9 40.5	16.4 57.6
45 to 54 55 to 64 65 to 74	49 137 249 455	74 123 221	63 126 234	941,053 481,558 300,409	462,923 224,626 131,275	256,932 169,134	51.7 151.5	54.8 168.3	49.0 138.4	45.3 137.5	58.1 165.4	45.1 146.2	64.4 190.5	40.5 120.6	57.6 156.1
45 to 54 55 to 64 65 to 74 75 to 84	49 137 249 455 382	74 123 221 170	63 126 234 212	941,053 481,558 300,409 141,486	462,923 224,626 131,275 57,595	256,932 169,134 83,891	51.7 151.5 270.0	54.8 168.3 295.2	49.0 138.4 252.7	45.3 137.5 242.9	58.1 165.4 297.1	45.1 146.2 250.8	64.4 190.5 339.5	40.5 120.6 218.7	57.6 156.1 286.7
45 to 54 55 to 64 65 to 74 75 to 84 85 & Older	49 137 249 455 382 155	74 123 221 170 55	63 126 234 212 100	941,053 481,558 300,409	462,923 224,626 131,275	256,932 169,134	51.7 151.5	54.8 168.3	49.0 138.4	45.3 137.5	58.1 165.4	45.1 146.2	64.4 190.5	40.5 120.6	57.6 156.1
45 to 54 55 to 64 65 to 74 75 to 84	49 137 249 455 382	74 123 221 170	63 126 234 212	941,053 481,558 300,409 141,486	462,923 224,626 131,275 57,595	256,932 169,134 83,891	51.7 151.5 270.0	54.8 168.3 295.2	49.0 138.4 252.7	45.3 137.5 242.9	58.1 165.4 297.1	45.1 146.2 250.8	64.4 190.5 339.5	40.5 120.6 218.7	57.6 156.1 286.7

Note: Rates are per 100,000 population. ICD-10 codes E10-E14.

Two or More Races, White, Black, Asian and American Indian 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, May 2004. State of California, Department of Health Services, Death Records.

<sup>\*</sup> Death rate unreliable, relative standard error is greater than or equal to 23 percent

<sup>+</sup> Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

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

AGE		DEATHS			POPULATION	J		RATES			9	5% CONFID	ENCE LIMIT	rs.	
GROUPS		<i>D L</i> ,				Ì		101120		TO			ALE		IALE
Ortoor o	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
	TOTAL	IVII (CL	I LIVI VLL	TOTAL	I WO KEE	I LIVIALE	TOTA		I LIVID VLL	LOWER	OI I LIX	LOWER	OI I LIX	LOWER	OI I LIX
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 to 4	1	1	0	1,990,873	1,018,496	972,377	0.1 *	0.1 *	0.0 +	0.0	0.0	0.0	0.3	_	-
5 to 14	4	3	1	5,310,526	2,720,715	2,589,811	0.1 *	0.1 *	0.0 *	0.0	0.1	0.0	0.2	0.0	0.1
15 to 24	14	10	4	4,860,696	2,532,547	2,328,149	0.3 *	0.4 *	0.2 *	0.1	0.4	0.2	0.6	0.0	0.3
25 to 34	55	36	19	5,245,273	2,702,010	2,543,263	1.0	1.3	0.7	0.8	1.3	0.9	1.8	0.4	1.1
35 to 44	217	127	90	5,499,218	2,780,657	2,718,561	3.9	4.6	3.3	3.4	4.5	3.8	5.4	2.6	4.0
45 to 54	475	269	206	4,376,695	2,156,077	2,220,618	10.9	12.5	9.3	9.9	11.8	11.0	14.0	8.0	10.5
55 to 64	849	442	407	2,641,560	1,270,830	1,370,730	32.1	34.8	29.7	30.0	34.3	31.5	38.0	26.8	32.6
65 to 74	1,566	774	792	1,894,010	858,793	1,035,217	82.7	90.1	76.5	78.6	86.8	83.8	96.5	71.2	81.8
75 to 84	1,982	964	1,018	1,294,989	530,932	764,057	153.1	181.6	133.2	146.3	159.8	170.1	193.0	125.1	141.4
85 & Older	1,038	387	651	438,285	139,496	298,789	236.8	277.4	217.9	222.4	251.2	249.8	305.1	201.1	234.6
Unknown Total	1 6,203	1 3,015	0 3,188	34,043,198	16,962,094	17,081,104	18.2	17.8	18.7	17.8	18.7	17.1	18.4	18.0	19.3
Age-Adjusted	0,203	3,013	3,100	34,043,196	10,902,094	17,001,104	21.1	24.1	18.9	20.6	21.6	23.2	25.0	18.3	19.5
Age-Aujusteu							PACIFIC ISL		10.5	20.0	21.0	20.2	25.0	10.5	13.0
Under 1	0	0	0	1,549	808	741	0.0 +	0.0 +	0.0 +						_
1 to 4	0	0	0	6,723	3,451	3,272	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	Ö	19,919	10,178	9,741	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	0	0	0	19,722	10,093	9,629	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	0	0	0	19,378	9,582	9,796	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
35 to 44	3	2	1	18,657	9,368	9,289	16.1 *	21.3 *	10.8 *	0.0	34.3	0.0	50.9	0.0	31.9
45 to 54	3	2	1	12,625	6,288	6,337	23.8 *	31.8 *	15.8 *	0.0	50.7	0.0	75.9	0.0	46.7
55 to 64	4	4	0	6,958	3,397	3,561	57.5 *	117.8 *	0.0 +	1.1	113.8	2.4	233.1	-	-
65 to 74	5	3	2	3,792	1,804	1,988	131.9 *	166.3 *	100.6 *	16.3	247.4	0.0	354.5	0.0	240.0
75 to 84	2 0	0 0	2	1,472 405	624	848 258	135.9 *	0.0 + 0.0 +	235.8 *	0.0	324.2		-	0.0	562.7
85 & Older Unknown	0	0	0	405	147	258	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
Total	17	11	6	111,200	55,740	55,460	15.3 *	19.7 *	10.8 *	8.0	22.6	8.1	31.4	2.2	19.5
Age-Adjusted	• • • • • • • • • • • • • • • • • • • •	•		111,200	00,7.10	00,100	25.6 *	29.0 *	21.1 *	12.4	38.9	11.3	46.7	3.0	39.2
							WHITI	E							
Under 1	0	0	0	155,299	79,680	75,619	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	1	1	0	644,970	331,193	313,777	0.2 *	0.3 *	0.0 +	0.0	0.5	0.0	0.9	-	-
5 to 14	4	3	1	1,904,163	979,233	924,930	0.2 *	0.3 *	0.1 *	0.0	0.4	0.0	0.7	0.0	0.3
15 to 24	7	6	1	1,794,122	925,355	868,767	0.4 *	0.6 *	0.1 *	0.1	0.7	0.1	1.2	0.0	0.3
25 to 34	22	13	9	2,083,017	1,066,877	1,016,140	1.1	1.2 *	0.9 *	0.6	1.5	0.6	1.9	0.3	1.5
35 to 44	111 236	68 136	43 100	2,742,427 2,535,616	1,398,317	1,344,110 1,265,745	4.0 9.3	4.9	3.2 7.9	3.3 8.1	4.8 10.5	3.7 8.9	6.0 12.5	2.2 6.4	4.2
45 to 54 55 to 64	385	208	100	1,641,307	1,269,871 804,962	1,265,745 836,345	9.3 23.5	10.7 25.8	7.9 21.2	8.1 21.1	10.5 25.8	8.9 22.3	12.5 29.4	6.4 18.0	9.4 24.3
65 to 74	785	396	389	1,240,624	573,721	666,903	63.3	69.0	58.3	58.8	67.7	62.2	75.8	52.5	64.1
75 to 84	1,245	635	610	962,896	394,629	568,267	129.3	160.9	107.3	122.1	136.5	148.4	173.4	98.8	115.9
85 & Older	706	268	438	343,548	106,876	236,672	205.5	250.8	185.1	190.3	220.7	220.7	280.8	167.7	202.4
Unknown	1	1	0												
Total	3,503	1,735	1,768	16,047,989	7,930,714	8,117,275	21.8	21.9	21.8	21.1	22.6	20.8	22.9	20.8	22.8
Age-Adjusted							17.4	20.5	15.1	16.8	17.9	19.5	21.4	14.4	15.8
Heat 4				00.000	44.000		WO OR MOR		0.0						
Under 1	0 0	0 0	0	22,030 70,383	11,299 35,859	10,731 34,524	0.0 + 0.0 +	0.0 + 0.0 +	0.0 + 0.0 +	-	-	-	-	-	-
1 to 4 5 to 14	0	0	0	70,383 159,161	35,859 80,445	34,524 78,716	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	0	0	0	110,712	53,977	56,735	0.0 +	0.0 +	0.0 +					-	
25 to 34	1	0	1	80.840	38,958	41.882	1.2 *	0.0 +	2.4 *	0.0	3.7	-		0.0	7.1
35 to 44	1	0	1	77,748	37,181	40,567	1.3 *	0.0 +	2.5 *	0.0	3.8	-	-	0.0	7.3
45 to 54	1	0	1	55,803	26,327	29,476	1.8 *	0.0 +	3.4 *	0.0	5.3	-	-	0.0	10.0
55 to 64	3	1	2	31,014	14,674	16,340	9.7 *	6.8 *	12.2 *	0.0	20.6	0.0	20.2	0.0	29.2
65 to 74	3	0	3	18,728	8,608	10,120	16.0 *	0.0 +	29.6 *	0.0	34.1	-	-	0.0	63.2
75 to 84	1	0	1	9,868	4,142	5,726	10.1 *	0.0 +	17.5 *	0.0	30.0	-	-	0.0	51.7
85 & Older	2	2	0	2,876	969	1,907	69.5 *	206.4 *	0.0 +	0.0	165.9	0.0	492.5	-	-
Unknown	0	0	0	000 105	040 :00	000 =0 1	4.0.0								
Total Age-Adjusted	12	3	9	639,163	312,439	326,724	1.9 * 4.1 *	1.0 * 3.8 *	2.8 * 5.0 *	0.8 1.6	2.9 6.5	0.0	2.0 8.4	1.0 1.6	4.6 8.3
Age-Aujusted							4.1	3.0	5.0	0.1	0.0	0.0	0.4	1.0	0.3

Note: Rates are per 100,000 population. ICD-10 codes E10-E14.

Two or More Races, White, Black, Asian and American Indian exclude Hispanic ethnicity. Hispanic includes any race category.

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

+ Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance; 2000 Population: Population Projections by Age, Race/Ethnicity and Sex, May 2004. State of California, Department of Health Services, Death Records.

TABLE 5
DIABETES DEATHS
CALIFORNIA, 2001-2003
(By Place of Residence)

COUNTY	2001-2003 DEATHS	PERCENT	2002 POPULATION	CRUDE RATE	AGE-ADJUSTED RATE	95% CONFID	UPPE
COUNTY	(Average)	PERCENT	POPULATION	RATE	RATE	LOWER	UPPE
CALIFORNIA	6,776.0	100.0	35,338,807	19.2	21.3	20.8	21.8
ALAMEDA	290.3	4.3	1,488,074	19.5	22.8	20.1	25.4
ALPINE	0.0	0.0	1,292	0.0 +	0.0 +	-	
AMADOR	7.3	0.1	36,637	20.0 *	14.8 *	4.0	25.
BUTTE	51.0	0.8	209,770	24.3	19.9	14.4	25.
CALAVERAS	5.3	0.1	42,524	12.5 *	8.8 *	1.2	16.
COLUSA	3.0	0.0 a	19,635	15.3 *	16.8 *	0.0	35.
CONTRA COSTA	173.7	2.6	989.807	17.5	18.4	15.7	21.
DEL NORTE	2.3	0.0 a	27,982	8.3 *	8.2 *	0.0	18.
EL DORADO	20.0	0.3	165,463	12.1	12.0	6.7	17.
FRESNO	194.0	2.9	836,207	23.2	28.8	24.7	32.
				30.9 *	28.7 *	9.2	
GLENN	8.3	0.1	26,969				48.
HUMBOLDT	40.7	0.6	128,492	31.6	31.7	21.9	41.
MPERIAL	38.0	0.6	149,360	25.4	32.8	22.2	43.
NYO	3.3	0.0 a	18,456	18.1 *	12.0 *	0.0	24.
KERN	159.0	2.3	697,856	22.8	27.2	23.0	31.
KINGS	50.3	0.7	135,123	37.3	59.1	42.6	75.
LAKE	15.0	0.2	61,352	24.4 *	17.2 *	8.5	26.
_ASSEN	4.7	0.1	34,129	13.7 *	17.2 *	1.4	32.
LOS ANGELES	2,064.0	30.5	9,889,170	20.9	23.8	22.8	24.
MADERA	37.0	0.5	129,585	28.6	30.8	20.9	40.
MARIN	31.7	0.5	250,179	12.7	10.4	6.8	14.
MARIPOSA	1.7	0.0 a	17,589	9.5 *	6.7 *	0.0	17.
MENDOCINO	20.0	0.3	88,353	22.6	20.6	11.5	29.
MERCED	63.3	0.9	223,904	28.3	38.1	28.7	47.
MODOC	3.0	0.0 a	9,400	31.9 *	21.8 *	0.0	46.
MONO	1.3	0.0 a	13,441	9.9 *	15.4 *	0.0	45.
MONTEREY	66.7	1.0	413,819	16.1	19.6	14.9	24.
NAPA	32.7	0.5	128,966	25.3	20.3	13.3	27.
NEVADA	16.7	0.2	96,045	17.4 *	13.4 *	6.8	19.
ORANGE	433.3	6.4	2,959,646	14.6	17.6	15.9	19.
	45.0				15.1		
PLACER		0.7	273,338	16.5		10.7	19.
PLUMAS	4.0	0.1	21,117	18.9 *	13.4 *	0.0	27.
RIVERSIDE	278.7	4.1	1,682,408	16.6	16.8	14.8	18.
SACRAMENTO	246.3	3.6	1,302,647	18.9	20.8	18.2	23.
SAN BENITO	4.3	0.1	55,955	7.7 *	11.1 *	0.5	21.
SAN BERNARDINO	394.3	5.8	1,816,398	21.7	30.6	27.5	33.
SAN DIEGO	488.3	7.2	2,944,585	16.6	18.6	17.0	20.
SAN FRANCISCO	141.3	2.1	788,292	17.9	16.1	13.4	18.
SAN JOAQUIN	157.0	2.3	607,896	25.8	31.8	26.8	36.
SAN LUIS OBISPO	44.7	0.7	255,449	17.5	14.8	10.4	19.
SAN MATEO	103.7	1.5	711,793	14.6	13.8	11.2	16.
SANTA BARBARA	73.0	1.1	408,471	17.9	17.6	13.5	21.
SANTA CLARA	239.7	3.5	1,717,059	14.0	17.0	14.8	19.
SANTA CRUZ	36.3	0.5	259,164	14.0	16.0	10.7	21.
SHASTA	36.7	0.5	172,130	21.3	16.4	11.0	21.
SIERRA	1.3	0.0 a	3,524	37.8 *	23.1 *	0.0	63.
SISKIYOU	12.0	0.2	44,628	26.9 *	20.2 *	8.3	32.
SOLANO	77.7	1.1	411,498	18.9	21.1	16.4	25.
SONOMA	90.7	1.3	470,723	19.3	17.4	13.8	25. 21.
STANISLAUS	113.3	1.7	470,723 477,919	23.7	28.2	23.0	33.
SUTTER	20.3	0.3	82,696	24.6	25.5	14.4	36.
TEHAMA	16.3	0.2	57,649	28.3 *	21.8 *	11.0	32.
TRINITY	3.3	0.0 a	13,271	25.1 *	16.8 *	0.0	34.
TULARE	103.7	1.5	383,164	27.1	35.3	28.5	42.
TUOLUMNE	10.7	0.2	56,545	18.9 *	13.4 *	5.3	21.
VENTURA	149.3	2.2	788,282	18.9	21.5	18.1	25.
YOLO	33.7	0.5	180,193	18.7	24.6	16.3	33.
YUBA	12.7	0.2	62,788	20.2 *	23.6 *		

Note: Rates are per 100,000 population. ICD-10 codes E10-E14.

Source: State of California, Department of Finance; 2002 Population: Population Projections by Age, Race/Ethnicity and Sex, May 2004. State of California, Department of Health Services, Death Records.

 $<sup>^{\</sup>star}$  Death rate unreliable, relative standard error is greater than or equal to 23 percent.

<sup>+</sup> Standard error indeterminate, death rate based on no (zero) deaths.

a Represents a percentage of more than zero but less than 0.05.

<sup>-</sup> Confidence limit is not calculated for no (zero) deaths.