

Center for Health Statistics



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

Highlights

- In 2003, the number of chronic liver disease and cirrhosis deaths among males was much higher than among females.
- During 2003, the California chronic liver disease and cirrhosis age-adjusted death rate of 11.3 deaths per 100,000 population was higher than the United States rate of 9.2.
- In 2003, American Indians had a higher age-adjusted death rate than the corresponding rate for Hispanics, Whites, Blacks and Asians.

Chronic Liver Disease and Cirrhosis Deaths in California, 2000-2003

By Daniel H. Cox

Introduction

Chronic liver disease and cirrhosis has been historically one of the leading causes of death in the United States and in California. There are many risk factors for chronic liver disease and cirrhosis such as excessive alcohol consumption, chronic viral hepatitis, congenital and inherited diseases, and prolonged exposure to environmental toxins, but the primary risk factor is excessive alcohol consumption. Currently, nearly 14 million Americans abuse alcohol or are alcoholic. In 2003 there were 27,201 chronic liver disease and cirrhosis deaths in the United States; 3,832 of those deaths occurred in California.²

This report presents data on chronic liver disease and cirrhosis deaths from 2000 to 2003 with the focus on 2003. It provides analysis of crude and age-adjusted death rates for California residents by sex, age, race/ethnicity, and county. The definition of chronic liver disease and cirrhosis used in this report is based on the International Classification of Diseases, Tenth Revision (ICD-10) codes K70, K73, and K74 presented in National Center for Health Statistics (NCHS) reports.³

Chronic Liver Disease and Cirrhosis Deaths

Table 1 (page 9) displays chronic liver disease and cirrhosis death data for 2003 by race/ethnicity, age, and sex. During this period, the number of deaths attributed to chronic liver disease and cirrhosis was much higher among males (2,537) than among females (1,295). As shown in **Figure 1** (page 2), the number of chronic liver disease and cirrhosis deaths among Whites (2,199) was higher than Hispanics (1,215), Blacks (210), Asians (127), and American Indians (60).

¹ National Institute on Alcohol Abuse and Alcoholism. Alcoholism, Getting the Facts, NIH Publication Number 96-4153, Revised 2001.

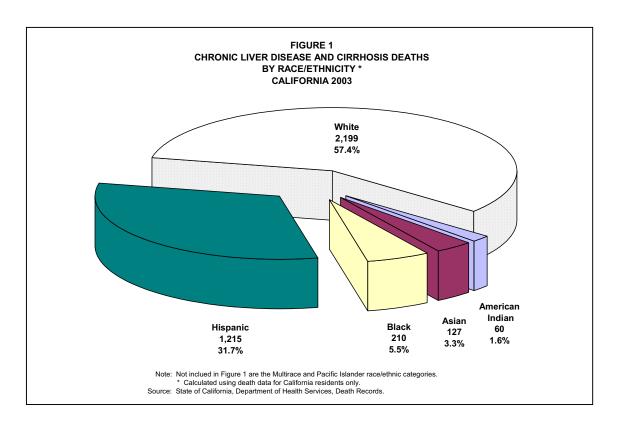
National Center for Health Statistics. Deaths: Preliminary Data for 2003. National Vital Statistics
 Reports; DHHS Publication Number (PHS) 2005-1120, PRS 05-0162, Vol. 53, No. 15, February 2005.

National Center for Health Statistics. Deaths: Preliminary Data for 1999. National Vital Statistics Reports DHHS Publication Number (PHS) 2001-1120, PRS 01-0358, Volume 49, Number 3, June 2001.

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

Tables 2 (page 10), **3** (page 11), and **4** (page 12) display chronic liver disease and cirrhosis death data for 2002, 2001, and 2000, respectively. These tables show the same pattern of higher death numbers among males than among females and higher death numbers among Whites than among the other four race/ethnic groups.

Chronic liver disease and cirrhosis deaths occur almost exclusively among the adult population, and this held true in 2003 with the first deaths occurring in the 25 to 34 age group and continuing through all the older age groups (**Table 1** page 9). This pattern of chronic liver disease and cirrhosis deaths among adult Californians was similar for the three earlier years covered in this report.

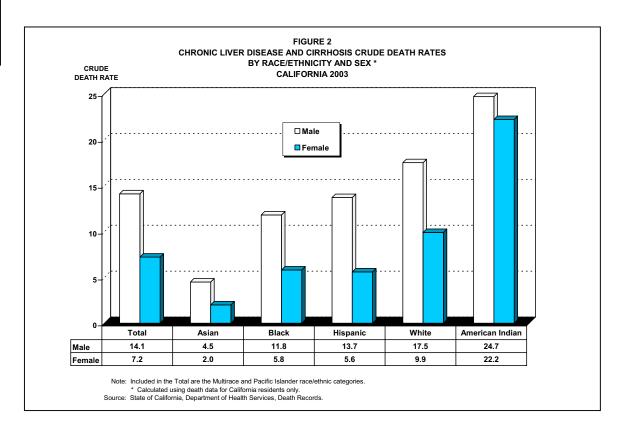


Chronic Liver Disease and Cirrhosis Crude Death Rates

The chronic liver disease and cirrhosis crude death rate for California decreased from 10.8 deaths per 100,000 population in 2000 to 10.7 deaths in 2003, though this decrease from 2000 to 2003 was not statistically significant. As shown in **Table 1** (page 9), American Indians had the highest crude death rate in 2003, a rate of 23.4. Whites were next with a crude rate of 13.7, followed by Hispanics with a crude rate of 9.8, Blacks with a crude rate of 8.8, and Asians with a crude rate of 3.2. In a statistical comparison with year 2000 (**Table 4**, page 12), American Indians had a chronic liver disease and cirrhosis crude death rate of 21.8 and Whites had a rate of 13.5, both of which were lower than their respective rates for 2003. In 2000 Hispanics had a crude rate of 10.1 and Blacks had a crude rate of 9.6; both of these rates were higher than their companion rates for 2003. None of these differences were statistically significant. The 2000 chronic liver disease and cirrhosis crude death rate for Asians, a rate of 3.2, was the same as the rate for 2003.

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

Figure 2 shows males in all five race/ethnic groups had higher chronic liver disease and cirrhosis crude death rates than females in the corresponding race/ethnic groups for the year 2003. American Indian males had a rate of 24.7 deaths per 100,000 population, and American Indian females had a rate of 22.2. White males had a rate of 17.5 and White females had a rate of 9.9. Hispanic males had a rate of 13.7 and Hispanic females had a rate of 5.6. Black males had a rate of 11.8 and Black females had a rate of 5.8. Asian males had a rate of 4.5 and Asian females had a rate of 2.0. The differences between males and females in the various race/ethnic groups and overall were statistically significant except for the difference among American Indian males and females.



Chronic Liver Disease and Cirrhosis Age-Specific Death Rates

Table 1 (page 9) shows that among reliable rates in 2003, in the 25 to 34 age group Hispanics (1.9) had a higher chronic liver disease and cirrhosis age-specific death rate than Whites (1.6). In the 35 to 44 age group Hispanics again had the highest rate (10.6) while Whites (9.3) and Blacks (6.0) had lower rates. In the 45 to 54 age group American Indians (61.3) had the highest death rate while Hispanics (31.1), Blacks (23.8), Whites (23.2), and Asians (4.7) had lower rates. This was the only age group where American Indians had a reliable age-specific death rate. In the 55 to 64 age group Hispanics (44.7) had the highest death rate while Blacks (28.4), Whites (27.4), and Asians (6.7) had lower rates. The pattern was similar in the 65 to 74 age group where Hispanics (62.7) again had the highest death rate while Blacks (34.0), Whites (33.2), and Asians (11.4) had lower rates. In the 75 to 84 age group Hispanics (63.3) had the highest death rate while Whites (29.2) and Asians (19.1) had lower rates. In the 85 and Older age group only Whites (18.5) had a reliable chronic liver disease and cirrhosis age-specific death rate.

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.

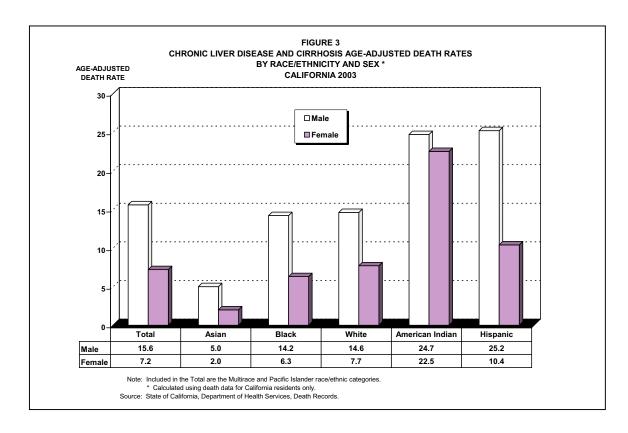
The years 2000, 2001, and 2002 showed similar patterns of chronic liver disease and cirrhosis age-specific death rates among the five race/ethnic groups displayed in this report.

Chronic Liver Disease and Cirrhosis Age-Adjusted Death Rates

In 2003 the California chronic liver disease and cirrhosis age-adjusted death rate of 11.3 deaths per 100,000 population was higher than the United States rate of 9.2.² During this period, California did not meet the *Healthy People 2010* objective of no more than 3.0 chronic liver disease and cirrhosis age-adjusted deaths per 100,000 population.⁴ The California rate did decrease significantly from 2000 when the rate was 11.9.

Displayed in **Table 1** (page 9), a comparison among the five race/ethnic groups shows that in 2003 American Indians had a chronic liver disease and cirrhosis age-adjusted death rate of 23.7, which was higher than the Hispanic rate of 17.5, the White rate of 11.0, the Black rate of 9.9, and the Asian rate of 3.4. Displayed in **Table 2** (page 10), **Table 3** (page 11), and **Table 4** (page 12) the years 2002, 2001, and 2000 show the same pattern of higher chronic liver disease and cirrhosis age-adjusted death rates for American Indians compared with the other four race/ethnic groups.

As shown in **Figure 3**, in 2003 the chronic liver disease and cirrhosis age-adjusted death rate for males was higher than for females in all five race/ethnic groups. All of these gender differences were statistically significant except for the difference between American Indian males and females.



⁴ U.S. Department of Health and Human Services. Healthy People 2010 Volume II. Washington DC: U.S. Government Printing Office, November 2000.

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

Figure 3 (page 4) also shows that of the 2003 chronic liver disease and cirrhosis age-adjusted death rates among males, Hispanics had the highest rate and American Indians, Whites, Blacks, and Asians had lower rates. Among females, American Indians had significantly higher death rates than females in the other four race/ethnic groups.

Chronic Liver Disease and Cirrhosis Death Data for California Counties

Table 5 (page 13) displays the average number of deaths, crude death rates, and age-adjusted death rates by county for 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 chronic liver disease and cirrhosis deaths occurred in Los Angeles County (1,049.7) and the lowest in Alpine County (0.3).

The highest reliable chronic liver disease and cirrhosis crude death rate was shared by both Butte and Humboldt Counties (17.6 deaths per 100,000 population) and the lowest reliable crude death rate occurred in Santa Clara County (8.0).

The ranking for age-adjusted death rates showed Imperial County with the highest reliable rate (19.2) and Marin County with the lowest reliable rate (8.4).

TABLE 6 CHRONIC LIVER DISEASE AND CIRRHOSIS DEATHS AMONG THE CITY HEALTH JURISDICTIONS* CALIFORNIA, 2001-2003

CITY	NUMBER		CRUDE				
HEALTH	OF DEATHS	OF DEATHS 2002 (Average) POPULATION					
JURISDICTION	(Average)	POPULATION	RATE				
BERKELEY	8.7	104,200	8.3 +				
LONG BEACH	52.0	473,100	11.0				
PASADENA	16.0	138,800	11.5 +				

Note: Rates are per 100,000 population. Data is ICD-10 codes K70, K73, K74.

- * 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, 2001-2004, with 2000 DRU Benchmark, May 2004. State of California, Department of Health Services, Death records.

Chronic Liver Disease and Cirrhosis Death Data by City Health Jurisdiction

Table 6 displays the average number of deaths and crude death rates for California's three city health jurisdictions for a three-year period, 2001 to 2003. Age-adjusted death

For more data, see Department of Health Services (DHS) Center for Health Statistics, Home Page http://www. dhs.ca.gov/ ohir

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 annual average of 52.0 chronic liver disease and cirrhosis deaths for the three-year period, Pasadena had 16.0, and Berkeley had 8.7.

Pasadena had a chronic liver disease and cirrhosis crude death rate of 11.5 deaths per 100,000 population, Long Beach had a crude rate of 11.0, and Berkeley had a crude rate of 8.3. The rates for Pasadena and Berkeley were not reliable.

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 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 chronic liver disease and cirrhosis death data presented in this report are based on vital statistics records with ICD-10 codes K70, K73 and K74 as defined by the NCHS.³ 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-10.5 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 number of deaths and

⁵ World Health Organization. International Statistical Classification of Diseases and Related Health Problems. Tenth Revision. Geneva: World Health Organization. 1992.

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 five race/ethnic groups presented in the tables are mutually exclusive. White, Black, Asian, and American Indian exclude Hispanic ethnicity, while Hispanic includes any race/ethnic group. This is also true of the other two race/ethnic groups: 2 or More Races and Pacific Islander. These two groups are represented only in the totals of this report because their small numbers of events produced unreliable rates. 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 underestimated among Pacific Islanders, Hispanics, Asians, and American Indians.

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 "2 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 5) differ from the population data used to calculate the crude rates in **Table 5** (page 13). 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.

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⁶ 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.

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.

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. 10

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.

⁸ 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.

⁹ 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 CHRONIC LIVER DISEASE AND CIRRHOSIS DEATHS BY RACE/ETHNICITY, AGE, AND SEX CALIFORNIA, 2003 (By Place of Residence)

	1			1			i lace of it			,					
AGE GROUPS		DEATHS	; T		POPULATION	N I		RATES	1	TO ⁻		5% CONFID	ENCE LIMITALE		MALE
GROUPS	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
							TOTAL							•	•
Under 1 1 to 4	0 0	0	0	531,434 2,008,528	271,162 1,026,713	260,272 981,815	0.0 + 0.0 +	0.0 + 0.0 +	0.0 + 0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	5,420,822	2,777,200	2,643,622	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24 25 to 34	0 78	0 61	0 17	5,160,658 5,246,137	2,691,409 2,705,863	2,469,249 2,540,274	0.0 + 1.5	0.0 + 2.3	0.0 + 0.7 *	1.2	1.8	1.7	2.8	0.4	1.0
35 to 44	490	344	146	5,648,662	2,870,936	2,777,726	8.7	12.0	5.3	7.9	9.4	10.7	13.2	4.4	6.1
45 to 54 55 to 64	1,110 893	811 631	299 262	4,819,832 3,146,705	2,382,693 1,520,342	2,437,139 1,626,363	23.0 28.4	34.0 41.5	12.3 16.1	21.7 26.5	24.4 30.2	31.7 38.3	36.4 44.7	10.9 14.2	13.7 18.1
65 to 74	708	424	284	1,997,161	921,535	1,075,626	35.5	46.0	26.4	32.8	38.1	41.6	50.4	23.3	29.5
75 to 84 85 & Older	453 99	224 41	229 58	1,414,654 540,374	587,119 183,447	827,535 356,927	32.0 18.3	38.2 22.3	27.7 16.2	29.1 14.7	35.0 21.9	33.2 15.5	43.1 29.2	24.1 12.1	31.3 20.4
Unknown	1	1	0												
Total Age-Adjusted	3,832	2,537	1,295	35,934,967	17,938,419	17,996,548	10.7 11.3	14.1 15.6	7.2 7.2	10.3 10.9	11.0 11.6	13.6 14.9	14.7 16.2	6.8	7.6 7.6
							AMERICAN II	NDIAN		1010					
Under 1 1 to 4	0	0	0	3,180 9,091	1,629 4,692	1,551 4,399	0.0 + 0.0 +	0.0 + 0.0 +	0.0 + 0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	41,585	21,049	20,536	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24 25 to 34	0	0	0	41,597 34,537	21,270 17,157	20,327 17,380	0.0 + 0.0 +	0.0 + 0.0 +	0.0 + 0.0 +	-	-	-	-	-	-
35 to 44	13	7	6	41,759	20,278	21,481	31.1 *	34.5 *	27.9 *	14.2	48.1	8.9	60.1	5.6	50.3
45 to 54 55 to 64	24 15	14 7	10 8	39,151 24,166	18,614 11,540	20,537 12,626	61.3 62.1 *	75.2 * 60.7 *	48.7 * 63.4 *	36.8 30.7	85.8 93.5	35.8 15.7	114.6 105.6	18.5 19.5	78.9 107.3
65 to 74	5	3	2	11,703	5,454	6,249	42.7 *	55.0 *	32.0 *	5.3	80.2	0.0	117.3	0.0	76.4
75 to 84 85 & Older	3 0	0	3 0	6,213 3,472	2,604 1,263	3,609 2,209	48.3 * 0.0 +	0.0 + 0.0 +	83.1 * 0.0 +	0.0	102.9	-	-	0.0	177.2
Unknown	0	0	0							-	-	-	-	-	-
Total Age-Adjusted	60	31	29	256,454	125,550	130,904	23.4	24.7 24.7	22.2 22.5	17.5 17.6	29.3 29.9	16.0 15.9	33.4 33.5	14.1 14.1	30.2 30.9
							ASIAN				_5.0		23.0		
Under 1 1 to 4	0	0	0	49,099 181,821	25,103 93,219	23,996 88,602	0.0 + 0.0 +	0.0 + 0.0 +	0.0 + 0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	500,584	258,445	242,139	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24 25 to 34	0 2	0 2	0	547,727 609,005	281,307 297,832	266,420 311,173	0.0 + 0.3 *	0.0 + 0.7 *	0.0 + 0.0 +	0.0	0.8	0.0	1.6	-	-
35 to 44	13	10	3	654,269	313,201	341,068	2.0 *	3.2 *	0.9 *	0.9	3.1	1.2	5.2	0.0	1.9
45 to 54 55 to 64	28 24	22 17	6 7	590,179 356,471	275,078 166,544	315,101 189,927	4.7 6.7	8.0 10.2 *	1.9 * 3.7 *	3.0 4.0	6.5 9.4	4.7 5.4	11.3 15.1	0.4 1.0	3.4 6.4
65 to 74	27	18	9	236,933	103,366	133,567	11.4	17.4 *	6.7 *	7.1	15.7	9.4	25.5	2.3	11.1
75 to 84 85 & Older	28 5	16 1	12 4	146,599 47,703	62,184 19,092	84,415 28,611	19.1 10.5 *	25.7 * 5.2 *	14.2 * 14.0 *	12.0 1.3	26.2 19.7	13.1 0.0	38.3 15.5	6.2 0.3	22.3 27.7
Unknown	0	0	0	47,703		20,011	10.5	5.2	14.0	1.3	19.7	0.0	15.5	0.3	21.1
Total Age-Adjusted	127	86	41	3,920,390	1,895,371	2,025,019	3.2 3.4	4.5 5.0	2.0	2.7	3.8 4.0	3.6	5.5 6.0	1.4 1.4	2.6 2.6
							BLACK			2.0	1.0	0.0	0.0		2.0
Under 1 1 to 4	0	0	0	32,376 122,874	16,503 62,658	15,873 60,216	0.0 + 0.0 +	0.0 + 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 25 to 34	0 3	0 2	0 1	379,857 329,285	197,146 162,507	182,711 166,778	0.0 + 0.9 *	0.0 + 1.2 *	0.0 + 0.6 *	0.0	1.9	0.0	2.9	0.0	1.8
35 to 44	24	11	13	401,674	200,729	200,945	6.0	5.5 *	6.5 *	3.6	8.4	2.2	8.7	3.0	10.0
45 to 54 55 to 64	76 54	52 39	24 15	319,425 190,319	155,654 88,453	163,771 101,866	23.8 28.4	33.4 44.1	14.7 14.7 *	18.4 20.8	29.1 35.9	24.3 30.3	42.5 57.9	8.8 7.3	20.5 22.2
65 to 74	40	28	12	117,685	53,462	64,223	34.0	52.4	18.7 *	23.5	44.5	33.0	71.8	8.1	29.3
75 to 84 85 & Older	11 2	6 1	5 1	63,864 24,128	24,858 7,218	39,006 16,910	17.2 * 8.3 *	24.1 * 13.9 *	12.8 * 5.9 *	7.0 0.0	27.4 19.8	4.8 0.0	43.5 41.0	1.6 0.0	24.1 17.5
Unknown	0	0	0												
Total Age-Adjusted	210	139	71	2,397,288	1,180,793	1,216,495	8.8 9.9	11.8 14.2	5.8 6.3	7.6 8.6	9.9 11.3	9.8 11.7	13.7 16.6	4.5 4.8	7.2 7.8
							HISPANI	С		0.0	11.0		10.0	1.0	7.0
Under 1 1 to 4	0	0	0	265,727 972,443	135,553 496,688	130,174 475,755	0.0 + 0.0 +	0.0 + 0.0 +	0.0 + 0.0 +			-			- 7
5 to 14	0	0	0	2,487,194	1,271,424	1,215,770	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24 25 to 34	0 43	0 35	0 8	2,211,661 2,282,378	1,170,782 1,215,342	1,040,879 1,067,036	0.0 + 1.9	0.0 + 2.9	0.0 + 0.7 *	1.3	2.4	1.9	3.8	0.2	1.3
35 to 44	199	162	37	1,872,178	969,722	902,456	10.6	16.7	4.1	9.2	12.1	14.1	19.3	2.8	5.4
45 to 54 55 to 64	361 266	295 208	66 58	1,159,100 595,540	572,129 279,290	586,971 316,250	31.1 44.7	51.6 74.5	11.2 18.3	27.9 39.3	34.4 50.0	45.7 64.4	57.4 84.6	8.5 13.6	14.0 23.1
65 to 74	216	116	100	344,493	151,957	192,536	62.7	76.3	51.9	54.3	71.1	62.4	90.2	41.8	62.1
75 to 84 85 & Older	114 16	51 6	63 10	180,074 54,755	74,189 19,164	105,885 35,591	63.3 29.2 *	68.7 31.3 *	59.5 28.1 *	51.7 14.9	74.9 43.5	49.9 6.3	87.6 56.4	44.8 10.7	74.2 45.5
Unknown	0	0	0												
Total Age-Adjusted	1,215	873	342	12,425,543	6,356,240	6,069,303	9.8 17.5	13.7 25.2	5.6 10.4	9.2 16.5	10.3 18.6	12.8 23.3	14.6 27.0	5.0 9.3	6.2 11.6
			_	105		ac = :=	WHITE								
Under 1 1 to 4	0 0	0	0	168,928 608,995	86,181 311,436	82,747 297,559	0.0 + 0.0 +	0.0 + 0.0 +	0.0 + 0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	1,786,666	918,847	867,819	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24 25 to 34	0 30	0 22	0 8	1,831,860 1,885,206	947,345 961,929	884,515 923,277	0.0 + 1.6	0.0 + 2.3	0.0 + 0.9 *	1.0	2.2	1.3	3.2	0.3	1.5
35 to 44	240	153	87	2,579,091	1,318,760	1,260,331	9.3	11.6	6.9	8.1	10.5	9.8	13.4	5.5	8.4
45 to 54 55 to 64	612 530	420 358	192 172	2,633,665 1,933,678	1,323,757 952,538	1,309,908 981,140	23.2 27.4	31.7 37.6	14.7 17.5	21.4 25.1	25.1 29.7	28.7 33.7	34.8 41.5	12.6 14.9	16.7 20.2
65 to 74	418	258	160	1,259,989	594,985	665,004	33.2	43.4	24.1	30.0	36.4	38.1	48.7	20.3	27.8
75 to 84 85 & Older	293 75	149 32	144 43	1,003,097 404,890	416,813 134,702	586,284 270,188	29.2 18.5	35.7 23.8	24.6 15.9	25.9 14.3	32.6 22.7	30.0 15.5	41.5 32.0	20.5 11.2	28.6 20.7
Unknown	1	1	0												
Total Age-Adjusted	2,199	1,393	806	16,096,065	7,967,293	8,128,772	13.7 11.0	17.5 14.6	9.9 7.7	13.1 10.6	14.2 11.5	16.6 13.8	18.4 15.4	9.2 7.1	10.6 8.2

Note: Rates are per 100,000 population. ICD-10 codes K70, K73, K74.

Multirace, White, Pacific Islander, Black, Asian and American Indian exclude Hispanic ethnicity.

Hispanic includes any race category,

Total includes Multirace and Pacific Islander race/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; 2003 Population: Population Projections by Age, Race/Ethnicity and Sex, May 2004. State of California, Department of Health Services, Death Records.

TABLE 2 CHRONIC LIVER DISEASE AND CIRRHOSIS DEATHS BY RACE/ETHNICITY, AGE, AND SEX CALIFORNIA, 2002 (By Place of Residence)

Company Comp																
			DEATHS			POPULATION	١		RATES	1						
	GROUPS	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE						
15-14		TOTAL	WALL	I LIVIALL	TOTAL	IVIALL	ILIVIALL			ILIVIALL	LOWLIN	OFFER	LOWER	OFFER	LOWLIN	OFFER
Sept 1								0.0 +	0.0 +							
St. 19															0.0	0.3
Second S															0.0	0.1
46 1009																
See 1989																
See Perf																
1985 1968 1969 1969 1969 1979																
Charle 1972 1988																
Martin M		3	3	0						10.0				20.0		
Water 10		3,725	2,458	1,267	35,338,807	17,627,812	17,710,995									
Under 0	Age-Adjusted									7.3	10.9	11.0	15.0	10.3	6.9	1.1
See 14								0.0 +	0.0 +		-	-	-	-	-	-
159-124 0											-	-	-	-	-	-
September Sept											-	-	-	-	-	-
48 064 20 13 7 7 35,940 17,260 188,71 566 78,27 37,1 313 60,0 348 17,7 6 6 6.4 6.6 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	25 to 34			0	32,536	16,203	16,333	6.1 *	12.3 *	0.0 +					-	-
Sep 14																
See Part See Part																
Bis Alore 0	65 to 74	3		2	10,593	4,921	5,672	28.3 *	20.3 *	35.3 *	0.0	60.4	0.0	60.2	0.0	84.1
Uniform 0											1.4	142.2	0.0	207.0	0.0	146.1
	Unknown	0	0	0							-	-	-	-	-	-
Under 0		53	31	22	236,509	115,900	120,609									
Under! 0 0 0 0 4.5528 23.488 22.488 0.0 + 0.0 + 0.0 + 0.0 +	Age-Adjusted									10.0	10.0	23.1	17.0	30.0	10.7	20.9
She 14								0.0 +	0.0 +		-	-	-	-	-	
15 16 16 16 16 16 16 17 18 18 18 18 18 18 18											-	-	-	-	-	-
35 10-44											-	-	_	-	-	-
45 D5 4 17																-
Sep 104 29 20 9 337,682 17,274 180,388 8.6 12.7 5.0 6.5 11.7 7.1 18.3 17, 8.2 Sep 104 28 10 13 137,786 38,678 70,078 18.7 17.0 16.4 9.9 23.5 6.5 27.8 7.5 25.4 Total 177 73 44 3,921,746 18.92,97 2,028,749 3.0 3.9 2.2 2.4 3.5 3.0 4.7 15 2.8 Total 177 73 74 74 3.9 3.1 3.3																
75 B84																
B68 Older B6																
Uniform O O O O O O O O O						58,678 16,705										
Age-Adjusted					11,000	10,700	20,20		20.0	10.0	0.0	02.0	0.0		0.0	0
Under 1 0 0 0 0 27,144 13,839 13,305 0.0 + 0.0 + 0.0 + 0.0 + 0.		117	73	44	3,921,746	1,892,997	2,028,749									
The color of the	Age-Aujusteu									2.0	2.1	5.5	5.4	5.5	1.0	5.0
Sto 14											-	-	-	-	-	-
15 10 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0											-	-	-	-	-	-
35 10 44 31 18 13 398,874 197,451 198,423 7.8 91.* 66.* 5.1 10.6 4.9 13.3 3.0 10.1 45 10 56 10 44 78 84 78 84 18 304,136 147,575 165,661 25.6 27.1 24.3 20.0 31.3 16.7 35.5 16.6 32.0 56 10 44 60 34 26 179,445 83.390 96,055 33.4 40.8 27.1 25.0 41.9 27.1 54.5 16.7 37.5 65 10 74 32 18 14 113,055 51,054 62.01 23.3 35.2 22.6 18.5 38.1 19.0 61.5 10.8 34.4 75 10.4 12.5 57 7 62,567 24,248 38,339 19.2 20.6 18.3 8.3 30.0 2.5 38.7 4.7 31.8 58 6.01 22 20.0 3 34.0 0.0 68.8 0.0 29.1 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1											-	-	_	-	-	-
45 10 64																
65 to 64 60 34 26 179,445 83,30 99,055 33.4 40.8 27.1 25.0 41,9 27.1 54.5 11,67 37.5 65 to 74 32.2 18.5 13.5 31.0 51.5 10.8 34.4 75 to 84 12.2 20.6 11.8.3 30.0 2.5 38.7 4.7 31.8 38.5 20.0 6.83 30.0 2.5 38.7 4.7 31.8 38.5 30.0 2.5 38.7 4.7 31.8 38.5 30.0 2.5 38.7 4.7 31.8 38.3 30.0 2.5 38.7 31.8 4.0 0.0 6.0 0 0 0 0 0 0 0 0 2.29.6 11.4 14.9 9.6 10.5 4.7 8.3 10.8 8.6 12.3 7.0 10.4 40 0 0 0 2.29.6 13.7 11.5 10.0 0.0 0.0 0.0 0.0																
Total Tota																
88 A Older Unknown 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																
Under 1																
Age-Adjusted	Unknown	0	0	0												
Under		223	120	103	2,329,674	1,145,555	1,184,119									
1 to 4	7 igo 7 iajaotoa									0.1	0.1	12.0	10.0	10.0	7.0	11.0
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 - - 25 to 34 42 33 9 2,222,788 1,182,288 1,040,580 1.9 2.8 0.9* 1.3 2.5 1.8 3.7 0.3 1.4 35 to 44 203 166 37 1,786,037 924,255 863,762 11.4 18.0 4.3 9.8 12.9 15.2 20.7 2.9 5.7 4 5 to 54 352 291 61 1,086,080 555,046 32.4 54.4 11.1 29.0 35.8 48.1 60.6 8.3 13.8 55 to 64 238 179 59 554,789 259,751 295,088 43.9 48.3 40.0 55.3 72.5 78.5 110.1 30.9 41.9 25.1 85.6 106.2 28.9 54.3 40.0 55.3 72.5 78.5													-	-	-	-
15 to 24													0.0	0.2	U.U -	U.b -
35 to 44	15 to 24	1	1	0	2,147,131	1,140,661	1,006,470	0.0 *	0.1 *	0.0 +	0.0	0.1	0.0	0.3	-	-
45 to 54																
55 to 64 238 179 59 554,789 259,751 295,038 42.9 68.9 20.0 37.4 48.3 58.8 79.0 14.9 25.1 65 to 74 211 137 74 330,157 145,276 184,881 63.9 94.3 40.0 55.3 70.9 62.7 106.2 28.9 54.3 85 & Older 19 6 13 49,930 17,160 32,770 38.1 35.0.* 39.7* 20.9 55.2 7.0 62.9 18.1 61.2 Unknown 1 1 0 1 1 0 7.7 27.2 9.2 16.6 18.8 25.2 29.2 8.1 10.3 Age-Adjusted ************************************																
Total 1,168 873 295 12,002,966 6,141,754 5,861,212 9,7 14,2 5,0 9,2 10,3 13,3 15,2 4,5 5,6	55 to 64	238	179	59	554,789	259,751	295,038	42.9	68.9	20.0	37.4	48.3	58.8	79.0	14.9	25.1
85 & Older 19 6 13 49,930 17,160 32,770 38.1 35.0 39.7 20.9 55.2 7.0 62.9 18.1 61.2 Unknown 1 1 1 0 0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1																
Under 1	85 & Older															
Age-Adjusted	Unknown	1	1	0												
WHITE Under 0		1,168	8/3	295	12,002,966	0,141,754	5,001,212									
1 to 4					450.015	70.000	70.010									
5 to 14															-	
15 to 24		1			1,819,031	935,673	883,358	0.1 *	0.1 *	0.0 +					-	
35 to 44					1,802,388	930,873										
45 to 54 558 393 165 2,599,031 1,304,396 1,294,635 21.5 30.1 12.7 19.7 23.3 27.2 33.1 10.8 14.7 55 to 64 543 383 160 1,825,358 898,529 926,829 29.7 42.6 17.3 27.2 32.2 38.4 46.9 14.6 19.9 65 to 74 398 22.5 173 1,242,058 582,927 659,131 32.0 38.6 26.2 28.9 35.2 33.6 43.6 22.3 30.2 75 to 84 317 174 143 996,270 411,887 584,383 31.8 42.2 24.5 28.3 35.3 36.0 48.5 20.5 28.5 85 & Older 74 27 47 391,271 127,805 263,466 18.9 21.1 17.8 14.6 23.2 13.2 29.1 12.7 22.9 Unknown 2 2 2 0 0 15.1 17.8 14.6 23.2 13.2 29.1 12.7 22.9 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10																
55 to 64 543 383 160 1,825,358 898,529 926,829 29.7 42.6 17.3 27.2 32.2 38.4 46.9 14.6 19.9 65 to 74 398 225 173 1,242,058 582,927 65 91,31 32.0 38.6 26.2 28.9 35.2 33.6 43.6 22.3 30.2 75 to 84 317 174 143 996,270 411,887 584,383 31.8 42.2 24.5 28.3 35.3 36.0 48.5 20.5 28.5 85 & Older 74 27 47 391,271 127,805 263,466 18.9 21.1 17.8 14.6 23.2 13.2 29.1 12.7 22.9 Unknown 2 2 2 0 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			393	165	2,599,031	1,304,396	1,294,635		30.1	12.7		23.3		33.1		
75 to 84 317 174 143 996,270 411,887 584,383 31.8 42.2 24.5 28.3 35.3 36.0 48.5 20.5 28.5 85 & Older 74 27 47 391,271 127,805 263,466 18.9 21.1 17.8 14.6 23.2 13.2 29.1 12.7 22.9 Unknown 2 2 2 0 Total 2,153 1,354 799 16,022,040 7,925,161 8,096,879 13.4 17.1 9.9 12.9 14.0 16.2 18.0 9.2 10.6	55 to 64				1,825,358			29.7		17.3	27.2	32.2			14.6	19.9
85 & Older 74 27 47 391,271 127,805 263,466 18.9 21.1 17.8 14.6 23.2 13.2 29.1 12.7 22.9 Unknown 2 2 0																
Total 2,153 1,354 799 16,022,040 7,925,161 8,096,879 13.4 17.1 9.9 12.9 14.0 16.2 18.0 9.2 10.6	85 & Older	74	27	47												
					16 022 040	7 025 161	8 006 970	13.4	17 1	0.0	12.0	14.0	16.2	18.0	0.2	10.6
		۷,153	1,304	799	10,022,040	1,525,101	0,080,079									

Note: Rates are per 100,000 population. ICD-10 codes K70, K73, K74.

Multirace, White, Pacific Islander, Black, Asian and American Indian exclude Hispanic ethnicity.

Hispanic includes any race category.

Total includes Multirace and Pacific Islander race/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; 2002 Population: Population Projections by Age, Race/Ethnicity and Sex, May 2004.

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

TABLE 3 CHRONIC LIVER DISEASE AND CIRRHOSIS DEATHS BY RACE/ETHNICITY, AGE, AND SEX CALIFORNIA, 2001 (By Place of Residence)

AGE	l	DEATHS			POPULATION			RATES			0	5% CONFID	ENCELIMI	TO	
GROUPS		DEATHS			POPULATION			RATES		TO		MA		FEM	IΔI F
Citoti c	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
							TOTA								
Under 1 1 to 4	1 0	0	1 0	518,927 1,960,105	264,741 1,002,866	254,186 957,239	0.2 * 0.0 +	0.0 + 0.0 +	0.4 * 0.0 +	0.0	0.6	-	-	0.0	1.2
5 to 14	0	0	0	5,377,327	2,755,213	2,622,114	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	4	2	2	4,956,819	2,584,393	2,372,426	0.1 *	0.1 *	0.1 *	0.0	0.2	0.0	0.2	0.0	0.2
25 to 34 35 to 44	58 495	43 331	15 164	5,284,524 5,566,274	2,720,908 2,820,571	2,563,616 2,745,703	1.1 8.9	1.6 11.7	0.6 * 6.0	0.8 8.1	1.4 9.7	1.1 10.5	2.1 13.0	0.3 5.1	0.9 6.9
45 to 54	1,104	791	313	4,552,753	2,244,282	2,745,703	24.2	35.2	13.6	22.8	25.7	32.8	37.7	12.1	15.1
55 to 64	858	606	252	2,774,474	1,337,024	1,437,450	30.9	45.3	17.5	28.9	33.0	41.7	48.9	15.4	19.7
65 to 74	716	459	257	1,920,122	876,170	1,043,952	37.3	52.4	24.6	34.6	40.0	47.6	57.2	21.6	27.6
75 to 84 85 & Older	424 96	240 49	184 47	1,341,150 477,265	551,924 155,766	789,226 321,499	31.6 20.1	43.5 31.5	23.3 14.6	28.6 16.1	34.6 24.1	38.0 22.6	49.0 40.3	19.9 10.4	26.7 18.8
Unknown	3	3	0												
Total Age-Adjusted	3,759	2,524	1,235	34,729,740	17,313,858	17,415,882	10.8 11.8	14.6 16.7	7.1 7.3	10.5 11.4	11.2 12.1	14.0 16.1	15.1 17.4	6.7 6.9	7.5 7.7
Age-Aujusteu							AMERICAN		1.3	11.4	12.1	10.1	17.4	0.9	1.1
Under 1	0	0	0	1,038	535	503	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4 5 to 14	0	0	0	10,963 35,606	5,601 18,114	5,362 17,492	0.0 + 0.0 +	0.0 + 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	1	1	0	30,478	15,239	15,239	3.3 *	6.6 *	0.0 +	0.0	9.7	0.0	19.4	-	-
35 to 44	15	10	5	37,042	18,030	19,012	40.5 *	55.5 *	26.3 *	20.0	61.0	21.1	89.8	3.2	49.4
45 to 54 55 to 64	23 12	15 6	8 6	32,579 18,780	15,481 9,021	17,098 9,759	70.6 63.9 *	96.9 * 66.5 *	46.8 * 61.5 *	41.7 27.7	99.5 100.1	47.9 13.3	145.9 119.7	14.4 12.3	79.2 110.7
65 to 74	10	3	7	9,505	4,399	5,106	105.2 *	68.2 *	137.1 *	40.0	170.4	0.0	145.4	35.5	238.7
75 to 84	1	1	0	4,872	1,990	2,882	20.5 *	50.3 *	0.0 +	0.0	60.8	0.0	148.7	-	-
85 & Older Unknown	1 0	1 0	0	2,163	734	1,429	46.2 *	136.2 *	0.0 +	0.0	136.8	0.0	403.3	-	-
Total	63	37	26	217,004	106,584	110,420	29.0	34.7	23.5	21.9	36.2	23.5	45.9	14.5	32.6
Age-Adjusted							30.7 ASIAN	37.6	25.0	22.9	38.5	24.9	50.4	15.2	34.8
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	506,076 558,118	261,333 283,682	244,743 274,436	0.0 + 0.0 +	0.0 + 0.0 +	0.0 +	-	-	-	-	-	-
15 to 24 25 to 34	3	1	2	652,150	316,603	335,547	0.0 +	0.0 +	0.0 + 0.6 *	0.0	1.0	0.0	0.9	0.0	1.4
35 to 44	9	5	4	654,655	311,736	342,919	1.4 *	1.6 *	1.2 *	0.5	2.3	0.2	3.0	0.0	2.3
45 to 54	21	18	3	559,132	259,407	299,725	3.8	6.9 *	1.0 *	2.1	5.4	3.7	10.1	0.0	2.1
55 to 64 65 to 74	23 30	16 12	7 18	317,844 226,106	147,600 97,488	170,244 128,618	7.2 13.3	10.8 * 12.3 *	4.1 * 14.0 *	4.3 8.5	10.2 18.0	5.5 5.3	16.2 19.3	1.1 7.5	7.2 20.5
75 to 84	18	10	8	127,700	54,562	73,138	14.1 *	18.3 *	10.9 *	7.6	20.6	7.0	29.7	3.4	18.5
85 & Older	7	3	4	36,199	14,378	21,821	19.3 *	20.9 *	18.3 *	5.0	33.7	0.0	44.5	0.4	36.3
Unknown Total	0 111	0 65	0 46	3,860,687	1,861,165	1,999,522	2.9	3.5	2.3	2.3	3.4	2.6	4.3	1.6	3.0
Age-Adjusted				-,,	.,,	.,,	3.2	4.1	2.5	2.6	3.8	3.1	5.2	1.7	3.2
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	0	0	0	405,206	205,997	199,209	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24 25 to 34	1 4	1 2	0 2	341,761 328,784	176,140 162,827	165,621 165,957	0.3 * 1.2 *	0.6 * 1.2 *	0.0 + 1.2 *	0.0 0.0	0.9 2.4	0.0 0.0	1.7 2.9	0.0	2.9
35 to 44	22	13	9	390,384	194,372	196,012	5.6	6.7 *	4.6 *	3.3	8.0	3.1	10.3	1.6	7.6
45 to 54	75	52	23	289,801	140,000	149,801	25.9	37.1	15.4	20.0	31.7	27.0	47.2	9.1	21.6
55 to 64 65 to 74	76 22	49 19	27 3	170,354 108,917	79,371 48,723	90,983 60,194	44.6 20.2	61.7 39.0	29.7 5.0 *	34.6 11.8	54.6 28.6	44.4 21.5	79.0 56.5	18.5 0.0	40.9 10.6
75 to 84	18	9	9	60,927	23,448	37,479	29.5 *	38.4 *	24.0 *	15.9	43.2	13.3	63.5	8.3	39.7
85 & Older	1	0	1	21,657	6,331	15,326	4.6 *	0.0 +	6.5 *	0.0	13.7	-	-	0.0	19.3
Unknown Total	1 220	1 146	0 74	2,275,847	1,117,664	1,158,183	9.7	13.1	6.4	8.4	10.9	10.9	15.2	4.9	7.8
Age-Adjusted	220	140	7-4	2,210,041	1,117,004	1,100,100	11.2	16.0	7.1	9.7	12.7	13.3	18.7	5.5	8.7
Linday 4	0	0	0	252.064	420 E72	104 200	HISPAN		0.0 .						
Under 1 1 to 4	0	0	0	253,961 938,287	129,573 479,043	124,388 459,244	0.0 + 0.0 +	0.0 + 0.0 +	0.0 + 0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	2,385,392	1,219,250	1,166,142	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	2	1	1	2,090,373	1,113,138	977,235	0.1 *	0.1 *	0.1 *	0.0	0.2	0.0	0.3	0.0	0.3
25 to 34 35 to 44	26 197	23 154	3 43	2,148,856 1,698,401	1,142,461 876,555	1,006,395 821,846	1.2 11.6	2.0 17.6	0.3 * 5.2	0.7 10.0	1.7 13.2	1.2 14.8	2.8 20.3	0.0 3.7	0.6 6.8
45 to 54	342	283	59	1,013,711	498,885	514,826	33.7	56.7	11.5	30.2	37.3	50.1	63.3	8.5	14.4
55 to 64	255	200	55	515,325	240,811	274,514	49.5	83.1	20.0	43.4	55.6	71.5	94.6	14.7	25.3
65 to 74 75 to 84	206 102	138 58	68 44	315,002 153,901	138,023 62,845	176,979 91,056	65.4 66.3	100.0 92.3	38.4 48.3	56.5 53.4	74.3 79.1	83.3 68.5	116.7 116.0	29.3 34.0	47.6 62.6
85 & Older	19	10	9	44,732	15,161	29,571	42.5	66.0 *	30.4 *	23.4	61.6	25.1	106.8	10.6	50.3
Unknown Total	1 1,150	1 868	0 282	11,557,941	5,915,745	5,642,196	9.9	14.7	5.0	9.4	10.5	13.7	15.6	4.4	5.6
Age-Adjusted	1,100	300	202	. 1,007,341	0,010,140	0,07£,100	18.9	29.8	9.4	17.7	20.0	27.6	32.0	8.2	10.5
Linds-1		^	-	152 200	70.400	7F 420	WHITE		12*	0.0	1.0			0.0	2.0
Under 1 1 to 4	1 0	0	1 0	153,306 624,482	78,168 320,442	75,138 304,040	0.7 * 0.0 +	0.0 + 0.0 +	1.3 * 0.0 +	0.0	1.9	-	-	0.0	3.9
5 to 14	0	0	0	1,862,124	957,903	904,221	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	1	0	1 8	1,796,019	926,636	869,383	0.1 *	0.0 +	0.1 *	0.0	0.2	-	- 22	0.0	0.3
25 to 34 35 to 44	24 249	16 146	103	2,022,119 2,687,568	1,034,396 1,372,319	987,723 1,315,249	1.2 9.3	1.5 * 10.6	0.8 * 7.8	0.7 8.1	1.7 10.4	0.8 8.9	2.3 12.4	0.2 6.3	1.4 9.3
45 to 54	634	415	219	2,585,433	1,296,139	1,289,294	24.5	32.0	17.0	22.6	26.4	28.9	35.1	14.7	19.2
55 to 64	491	335	156	1,711,671	840,997	870,674	28.7	39.8	17.9	26.1	31.2	35.6	44.1	15.1	20.7
65 to 74 75 to 84	445 285	284 162	161 123	1,236,729 981,305	576,477 403,775	660,252 577,530	36.0 29.0	49.3 40.1	24.4 21.3	32.6 25.7	39.3 32.4	43.5 33.9	55.0 46.3	20.6 17.5	28.2 25.1
85 & Older	68	35	33	368,575	117,768	250,807	18.4	29.7	13.2	14.1	22.8	19.9	39.6	8.7	17.6
Unknown Total	1 2,199	1 1,394	0 805	16,029,331	7,925,020	8,104,311	13.7	17.6	9.9	13.1	14.3	16.7	18.5	9.2	10.6
Age-Adjusted	۷, ۱۳۳	1,084	605	10,023,331	1,020,020	0,104,311	11.5	17.6	8.0	11.0	11.9	14.4	16.0	7.5	8.6
Age-Aujusteu															

Note: Rates are per 100,000 population. ICD-10 codes K70, K73, K74.

Multirace, White, Pacific Islander, Black, Asian and American Indian exclude Hispanic ethnicity.

Hispanic includes any race category.

Total includes Multirace and Pacific Islander race/ethnicity.

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.

^{*} 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.

TABLE 4 CHRONIC LIVER DISEASE AND CIRRHOSIS DEATHS BY RACE/ETHNICITY, AGE, AND SEX CALIFORNIA, 2000 (By Place of Residence)

Month										-						
Total Tota			DEATHS			POPULATION	١		RATES	ı						
	GROUPS	TOTAL	MAIF	EEMAI =	TOTAL	MAIF	FEMALE	ΤΟΤΔΙ	MΔIE	FEMALE						
		TOTAL	IVIALE	FEWALE	TOTAL	IVIALE	FEWALE			FEWALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
Section Column								0.0 +	0.0 +				-	-	-	
155 0.24 1											0.0	0.1	-	-	0.0	0.3
Second S											0.0	0.1	0.0	0.1	-	-
See 1607 1707 173																
See																
Prop 10		834	570	264	2,641,560	1,270,830	1,370,730	31.6	44.9	19.3	29.4	33.7	41.2	48.5	16.9	21.6
SAS ON																
Internal 1																
May-May-May-May-May-May-May-May-May-May-																
Mark		3,673	2,467	1,206	34,043,198	16,962,094	17,081,104									
Time								AMERICAN I	NDIAN							
Set 16 0 0 0 0 31,222 15550 15271 0.0 * 0.											-	-	-	-	-	-
280 4		0	0	0	31,221	15,950	15,271	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
150 14 13 8 6 31,478 10,332 17,148 42,8 20 33,6 40 17 50,8 10,0 12,0 31,6 47 48 48 42 52,8 53,6 47 48 48 48 48 48 48 48											-	17.1	- 0.0	24.0	-	-
SS 104															3.6	54.7
65 b 74 6 6 4 2 2 8.411 3.301 4.510 713 102.5 44.3 126.4 2.1 200.0 0.0 105.8 175 b 184 0 0 0 0 4.100 1.400 2.00 10.5 10.0 10.0 10.0 10.0 10.0 10.0 1	45 to 54	12	7	5	28,222	13,455	14,767						13.5		4.2	
The color of the																
Uniform 0											-	-	-	203.0	-	-
Triangle 42 26 16 192753 95.09 197860 21.8 27.3 16.4 15.2 28.4 17.8 37.0 18.8 37.0 8.4 24.4 24.6 25.4 27.4 25.2 11.8 19.2 19.1373 87.0 15.5 19.2 19.1373 87.0 15.5 19.2 19.1373 87.0 19.5 19.2 19.1373 87.0 19.5 19.1373 87.0 19.5 19.1373 87.0 19.1 19.4 19.0 19.1 19.1 19.1 19.1 19.1 19.1 19.1						448	970	70.5 *	0.0 +	103.1 *	0.0	208.7	-	-	0.0	305.2
Might 1	Total				192,753	95,093	97,660									
Under	Age-Adjusted									17.0 *	15.9	30.4	17.8	40.8	8.5	25.4
1 b d	Under 1			0	42,844	21,965	20,879			0.0 +	-	-	-	-	-	-
15 io 24 0 0 0 0 552 if60 278 314 272,866 00 + 0.0 + 0											-		-	-	-	
25 io 34											-	-	-	-	-	-
45 10 54								0.2 *	0.3 *	0.0 +	0.0	0.5	0.0	0.9	-	-
Septical																
85 D74																
B8S Oldier 6 5 1 30,080 12,023 18,057 19 16 16 15 5 40 35 9 5 1 78.0 0.0 16 4	65 to 74	25	11	14	217,029	93,082	123,947	11.5	11.8 *	11.3 *	7.0	16.0	4.8	18.8	5.4	17.2
Uniform O																
Age-Adjusted					30,000	12,023	10,037	19.9	41.0	5.5	4.0	33.3	3.1	70.0	0.0	10.4
Under 0		119	73	46	3,746,292	1,803,811	1,942,481									
10 d	rige riajusted									2.0	0.0	7.7	0.0	0.2	1.0	0.4
Sin 14											-	-	-	-	-	I
15 10 24 0 0 0 0 0 320,641 167,718 158,923 0.0 +											-	-	-	-	-	-
35 1044 34 26 8 333,161 190,499 192,702 8.9 13.7 4.2 5.9 11.9 8.4 18.9 1.3 7.0 45 105 105 105 105 105 105 105 105 105 10						167,718	158,923				-	-	-	-	-	-
45 10 54 673 35 38 274 820 132,042 142,778 26.6 26.5 26.6 20.5 32.7 17.7 35.3 18.2 35.1 55 10 54 54 54 35 19 164,079 76,569 87,510 32.9 45.7 17.7 24.1 41.7 30.6 60.9 11.9 31.5 65 10.7 4 39 26 13 105,017 46,402 58,615 37.1 56.0 22.2 25.5 48.8 34.5 77.6 10.1 34.2 75 10.8 4 9 5 5 4 88,68 4 2.8 41.9 0.2 21.8 85.8 Older 3 1 1 2 19,689 5.604 14,085 15.2 17.8 14.2 0.0 32.5 0.0 52.8 0.0 33.9 Unknown 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													8.4	18.9		
65 10 74 39 26 13 105,017 46,402 58,615 37.1 56.0 22.2 25.5 48.8 34.5 77.6 10.1 34.2 21.8 88.6 101er 1 5 5 3 22.3 11.0 5 3 25.4 2.8 41.9 0.2 21.8 88.6 101er 1 5 3 2.4 12.8 45.8 54. 22.382 36.272 15.5 3 22.3 11.0 5 3 25.4 2.8 41.9 0.2 21.8 88.6 101er 1 2 19,689 5,604 14,085 15.2 17.8 14.2 0.0 32.5 0.0 32.5 0.0 32.8 0.0 33.9 101el 2 14 128 86 22.28 16 1,090,648 1,132,168 9.6 11.7 7.6 8.3 10.9 9.7 13.8 6.0 9.2 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10																
Total																
88 A Older 0 3 1 1 2 19,689 5,604 14,085 15.2 17.8 14.2 0.0 32.5 0.0 52.8 0.0 33.9 Unknown 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																
Total 214 128 86 2,222,816 1,090,648 1,132,168 9,6 11,7 7,6 8.3 10,9 9,7 13,8 6,0 9,2	85 & Older	3	1	2												
Age-Adjusted					2 222 816	1 090 648	1 132 168	9.6	11 7	7.6	8.3	10.9	9.7	13.8	6.0	9.2
Under1						.,,	.,,	11.4	14.8							
1 to 4	Under 1	0	0	0	237 496	121 585	115 911			0.0 +						_
15 to 24		1	0	1			464,611		0.0 +	0.2 *	0.0	0.3	-	-	0.0	0.6
25 to 34			0								- 0.0	- 0.1	- 0.0	- 0.2	-	-
35 to 44 193 156 37 1,604,089 826,047 778,042 12.0 18.9 4.8 10.3 13.7 15.9 21.8 3.2 6.3 45 to 54 309 244 65 941,053 462,923 478,130 32.8 52.7 13.6 29.2 36.5 46.1 59.3 10.3 16.9 55 to 64 254 189 65 481,558 224,626 256,932 52.7 84.1 25.3 46.3 59.2 72.1 96.1 19.1 31.4 65 to 74 201 139 62 300,409 131,275 169,134 66.9 105.9 36.7 57.7 76.2 88.3 123.5 27.5 45.8 75 to 84 96 50 46 141,486 57,595 83.891 67.9 86.8 54.8 54.3 81.4 62.7 110.9 39.0 70.7 85 & Older 22 99 13 40,269 13,429 26,840 54.6 67.0 48.4 31.8 77.5 23.2 110.8 22.1 74.8 Unknown 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			38												0.1	1.0
Sto 64	35 to 44	193	156	37	1,604,089	826,047	778,042	12.0	18.9	4.8	10.3	13.7	15.9	21.8	3.2	6.3
65 to 74																
85 & Older 22 9 13 40,269 13,429 26,840 54.6 67.0 48.4 31.8 77.5 23.2 110.8 22.1 74.8 Unknown 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																
Under 1																
Total 1,120 826 294 11,082,985 5,673,649 5,409,336 10.1 14.6 5.4 9.5 10.7 13.6 15.6 4.8 6.1 Age-Adjusted					40,269	13,429	26,840	54.6	67.0 *	48.4 *	31.8	77.5	23.2	110.8	22.1	74.8
WHITE Under 1 0 0 0 155,299 79,680 75,619 0.0 + 0.0 + 0.0 + - <	Total				11,082,985	5,673,649	5,409,336									
1 to 4	Age-Adjusted							WHITE			10.4	20.0	21.1	JZ.Z	<i>a.</i> 3	11.0
5 to 14											-	-	-	-	-	
15 to 24											-	-	-	-	-	
35 to 44	15 to 24	0	0	0	1,794,122	925,355	868,767	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
45 to 54 582 425 157 2,535,616 1,269,871 1,265,745 23.0 33.5 12.4 21.1 24.8 30.3 36.6 10.5 14.3 55 to 64 493 324 169 1,641,307 804,962 836,345 30.0 40.3 20.2 27.4 32.7 35.9 44.6 17.2 23.3 65 to 74 418 265 153 1,240,624 573,721 666,903 33.7 46.2 22.9 30.5 36.9 40.6 51.8 19.3 26.6 75 to 84 318 172 146 962,896 394,629 568,267 33.0 43.6 25.7 29.4 36.7 37.1 50.1 21.5 29.9 85 & Older 70 39 31 343,548 106,876 236,672 20.4 36.5 13.1 15.6 25.1 25.0 47.9 8.5 17.7 Unknown 1 1 1 0 Total 2,163 1,404 759 16,047,989 7,930,714 8,117,275 13.5 17.7 9.4 12.9 14.0 16.8 18.6 8.7 10.0																
65 to 74	45 to 54	582	425	157	2,535,616	1,269,871	1,265,745	23.0	33.5	12.4	21.1	24.8	30.3	36.6	10.5	14.3
75 to 84 318 172 146 962,896 394,629 568,267 33.0 43.6 25.7 29.4 36.7 37.1 50.1 21.5 29.9 85 & Older 70 39 31 343,548 106,876 236,672 20.4 36.5 13.1 15.6 25.1 25.0 47.9 8.5 17.7 Unknown 1 1 0 Total 2,163 1,404 759 16,047,989 7,930,714 8,117,275 13.5 17.7 9.4 12.9 14.0 16.8 18.6 8.7 10.0																
85 & Older 70 39 31 343,548 106,876 236,672 20.4 36.5 13.1 15.6 25.1 25.0 47.9 8.5 17.7 Unknown 1 1 0 10 10 10 10 10 10 10 10 10 10 10																
Total 2,163 1,404 759 16,047,989 7,930,714 8,117,275 13.5 17.7 9.4 12.9 14.0 16.8 18.6 8.7 10.0	85 & Older	70	39	31												
					16,047,989	7,930,714	8,117,275	13.5	17.7	9.4	12.9	14.0	16.8	18.6	8.7	10.0
		,	,		., .,	2	, ,									

Note: Rates are per 100,000 population. ICD-10 codes K70, K73, K74.

Multirace, White, Pacific Islander, Black, Asian and American Indian exclude Hispanic ethnicity.

Hispanic includes any race category.

Total includes Multirace and Pacific Islander race/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; 2000 Population: Population Projections by Age, Race/Ethnicity and Sex, May 2004. State of California, Department of Health Services, Death Records.

TABLE 5 CHRONIC LIVER DISEASE AND CIRRHOSIS DEATHS CALIFORNIA, 2001-2003 (By Place of Residence)

	2001-2003	1 1	2002	CRUDE	AGE-ADJUSTED	95% CONFID	ENCE LIMITS
COUNTY	DEATHS	PERCENT	POPULATION	RATE	RATE	LOWER	UPPER
COUNTY	(Average)	FERGLINI	FORGLATION	IVAIL	IVAIL	LOWLIN	OFFER
	<u> </u>	-		•			•
CALIFORNIA	3,772.0	100.0	35,338,807	10.7	11.4	11.1	11.8
ALAMEDA	138.0	3.7	1,488,074	9.3	9.9	8.2	11.5
ALPINE	0.3	0.0 a	1,292	25.8 *	21.1 *	0.0	92.6
AMADOR	5.3	0.1	36,637	14.6 *	10.9 *	1.6	20.1
BUTTE	37.0	1.0	209,770	17.6	16.7	11.3	22.2
CALAVERAS	5.0	0.1	42,524	11.8 *	8.9 *	0.8	17.0
COLUSA	3.0	0.1	19,635	15.3 *	17.0 *	0.0	36.2
		2.5			9.6		
CONTRA COSTA	95.3		989,807	9.6		7.6	11.5
DEL NORTE	5.3	0.1	27,982	19.1 *	18.1 *	2.7	33.5
EL DORADO	17.3	0.5	165,463	10.5 *	9.2 *	4.8	13.6
FRESNO	111.0	2.9	836,207	13.3	15.7	12.8	18.7
GLENN	2.7	0.1	26,969	9.9 *	10.6 *	0.0	23.4
HUMBOLDT	22.7	0.6	128,492	17.6	16.6	9.7	23.5
IMPERIAL	24.3	0.6	149,360	16.3	19.2	11.5	26.8
INYO	5.7	0.2	18,456	30.7 *	26.6 *	3.5	49.7
KERN	111.0	2.9	697,856	15.9	18.4	14.9	21.8
KINGS	15.3	0.4	135,123	11.3 *	15.1 *	7.4	22.7
LAKE	16.7	0.4	61,352	27.2 *	22.3 *	11.3	33.3
LASSEN	3.3	0.1	34,129	9.8 *	10.9 *	0.0	22.7
LOS ANGELES	1,049.7	27.8	9,889,170	10.6	11.7	11.0	12.4
MADERA	16.7	0.4	129,585	12.9 *	14.0 *	7.3	20.7
MARIN	26.0	0.7	250,179	10.4	8.4	5.2	11.7
MARIPOSA	3.7	0.1	17,589	20.8 *	16.0 *	0.0	32.9
MENDOCINO	11.7	0.1	88,353	13.2 *	12.2 *	5.1	19.3
MERCED	26.3	0.3	223,904	11.8	14.6	9.0	20.2
MODOC	2.0	0.1	9,400	21.3 *	18.4 *	0.0	45.1
MONO	1.0	0.0 a	13,441	7.4 *	6.1 *	0.0	18.2
MONTEREY	34.7	0.9	413,819	8.4	9.6	6.4	12.8
NAPA	19.7	0.5	128,966	15.2	13.2	7.4	19.1
NEVADA	15.3	0.4	96,045	16.0 *	12.6 *	6.2	19.0
ORANGE	252.3	6.7	2,959,646	8.5	9.4	8.3	10.6
PLACER	29.3	0.8	273,338	10.7	9.6	6.1	13.1
PLUMAS	3.0	0.1	21,117	14.2 *	11.8 *	0.0	25.8
RIVERSIDE	184.3	4.9	1,682,408	11.0	11.6	9.9	13.2
SACRAMENTO	134.0	3.6	1,302,647	10.3	11.0	9.1	12.9
SAN BENITO	6.7	0.2	55,955	11.9 *	14.5 *	3.3	25.8
SAN BERNARDINO	213.3	5.7	1,816,398	11.7	14.6	12.6	16.6
SAN DIEGO	291.0	7.7	2,944,585	9.9	10.8	9.6	12.0
SAN FRANCISCO	80.0	2.1	788,292	10.1	9.6	7.5	11.7
SAN JOAQUIN	76.0	2.0	607,896	12.5	14.3	11.0	17.5
SAN LUIS OBISPO	28.7	0.8	255,449	11.2	10.2	6.4	13.9
SAN MATEO	64.3	1.7	711,793	9.0	8.5	6.5	10.6
SANTA BARBARA	37.3	1.0	408,471	9.1	9.6	6.5	12.7
SANTA CLARA	138.0	3.7	1,717,059	8.0	8.7	7.2	10.1
SANTA CRUZ	28.0	0.7	259,164	10.8	11.1	6.9	15.3
SHASTA	26.3	0.7	172,130	15.3	14.0	8.6	19.5
SIERRA		0.7 0.0 a	3,524	18.9 *	17.2 *		
SISKIYOU	0.7 7.7		3,524 44,628	17.2 *	13.1 *	0.0 3.6	60.3 22.6
		0.2					
SOLANO	48.7	1.3	411,498	11.8	12.4	8.9	15.9
SONOMA	53.7	1.4	470,723	11.4	10.6	7.7	13.5
STANISLAUS	62.3	1.7	477,919	13.0	14.9	11.2	18.6
SUTTER	8.0	0.2	82,696	9.7 *	9.8 *	3.0	16.7
TEHAMA	10.0	0.3	57,649	17.3 *	15.8 *	5.8	25.7
TRINITY	3.0	0.1	13,271	22.6 *	15.6 *	0.0	33.3
TULARE	51.3	1.4	383,164	13.4	16.5	12.0	21.0
TUOLUMNE	8.3	0.2	56,545	14.7 *	11.6 *	3.6	19.6
VENTURA	72.0	1.9	788,282	9.1	9.4	7.2	11.6
YOLO	17.7	0.5	180,193	9.8 *	11.9 *	6.3	17.5
YUBA	10.0	0.3	62,788	15.9 *	17.6 *	6.7	28.6
			•				

Note: Rates are per 100,000 population. ICD-10 codes K70, K73, K74.

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

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

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

^{*} Death rate unreliable, relative standard error is greater than or equal to 23 percent.