

Sentinel Health Indicators

For California's Multicultural Populations

1999-2001



Center for Health Statistics
Office of Health Information and Research

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**Sentinel Health Indicators
For California's Multicultural Populations
1999-2001**

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INTRODUCTION

Sentinel Health Indicators for California's Multicultural Populations, 1999-2001 updates and expands on a previously published report entitled "*Analysis of Health Indicators for California's Minority Populations.*"¹ The purpose of this report is to present available public health data that can be directly compared with benchmarks established in the national *Healthy People 2010* initiative.² With 467 objectives in 28 focus areas, *Healthy People 2010* provides a comprehensive and systematic approach to understanding and improving health and for measuring progress toward achieving goals and objectives over time.

In keeping with the goal of adhering to national standards, this report has three major changes from the 1994 report:

- Mortality cause of death data has been coded using the *International Classification of Diseases, Tenth Revision* (prior report used the *International Classification of Diseases, Ninth Revision*).
- Age-adjusted rates use the 2000 Standard Population (prior report used the 1940 Standard Population).
- Objectives are taken from *Healthy People 2010* (prior report used Healthy People 2000 objectives).

This update includes many of the health indicators presented in the 1994 report, but for the first time includes mortality data for prostate cancer, diabetes, human immunodeficiency virus (HIV) infection, unintentional injuries, chronic obstructive pulmonary disease (COPD), cirrhosis, and drug-induced deaths. The data tables show reference populations across a total of 30 racial and ethnic subpopulations derived from California Department of Health Services (CDHS) vital statistics (birth and death records) and from the U.S. Census 2000, including three-year average numbers of events, percentages for birth events, and age-adjusted death rates for mortality events.³ In addition, 95-percent confidence intervals for each rate or percentage are provided, along with indications of whether the rate or percentage is reliable and whether it is significantly different than 1) the Healthy People 2010 objective, and 2) the statewide rate.

Questions or comments about this report can be addressed to:

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Sentinel Health Indicators for California's Multicultural Populations, 1999-2001

Executive Summary

This report updates and expands a previous report published by the California Department of Health Services (CDHS) Center for Health Statistics (CHS) entitled "*Analysis of Health Indicators for California's Minority Populations*" (1994). Major differences between these two publications include: use of Healthy People 2010 (HP2010) objectives versus Healthy People 2000 objectives; use of the International Classification of Diseases, Tenth Revision (ICD-10), versus the Ninth Revision (ICD-9) for defining causes of death; use of the 2000 U.S. Population Standard versus the 1940 U.S. Population Standard for calculating age-adjusted rates; and examination of seven different mortality indicators.

The 16 sentinel health indicators and associated HP2010 objectives presented in this report are:

Lung Cancer Deaths	(Objective 3-2)
Female Breast Cancer Deaths	(Objective 3-3)
Male Prostate Cancer Deaths	(Objective 3-7)
Diabetes Deaths	(Objective 5-5)
Coronary Heart Disease Deaths	(Objective 12-1)
Stroke Deaths	(Objective 12-7)
HIV Infection Deaths	(Objective 13-14)
Unintentional Injury Deaths	(Objective 15-13)
Homicides	(Objective 15-32)
Infant Deaths	(Objective 16-1)
Low Birth Weight	(Objective 16-10)
Early Prenatal Care	(Objective 16-16)
Suicides	(Objective 18-1)
Chronic Obstructive Pulmonary Disease Deaths	(Objective 24-10)
Cirrhosis Deaths	(Objective 26-2)
Drug-Induced Deaths	(Objective 26-3)

Numerator data were extracted from vital records (birth and death files) maintained by the CDHS/CHS. Denominator data were extracted from the 2000 Census (Summary Files 1 and 2, and the Public Use Microdata Sample) by age, gender, and race-ethnicity.

Statistics developed for each indicator are presented in tabular and graphic formats and include: three-year average number of events; age-adjusted rates; 95% confidence intervals; and relative standard errors. *Technical Notes* and a *References* section are included for further readings on vital statistics measurement issues and health disparities.

Data for 30 mutually exclusive racial and ethnic populations (plus the overall statewide total) are included in this report. These groupings were based on the availability of data in California's vital statistics databases and comparable population data available from the 2000 U.S. Census:

- African American/Black
- American Indian/Alaska Native
 - American Indian
 - Alaska Native
- Asian/Pacific Islander
 - Asian
 - Asian Indian
 - Cambodian
 - Chinese
 - Filipino
 - Hmong
 - Japanese
 - Korean
 - Laotian
 - Thai
 - Vietnamese
 - Other Asian
 - Pacific Islander
 - Guamanian
 - Native Hawaiian
 - Samoan
 - Other Pacific Islander
- Hispanic/Latino
 - Central and South American
 - Cuban
 - Mexican
 - Puerto Rican
 - Other Hispanic/Latino
- White
- Other and Unknown

Findings indicate that **African Americans/Blacks** had the highest rates than any other racial and ethnic group on seven health indicators: female breast cancer deaths; prostate cancer deaths; HIV infection deaths; homicide; infant mortality; low birth weight; and drug-induced deaths. **American Indians** had the highest rates for unintentional injury deaths and for cirrhosis deaths; **Pacific Islanders** had the highest rates for lung cancer deaths and diabetes deaths; and **Whites** for suicide and chronic obstructive pulmonary disease deaths. The highest rate for stroke deaths was found for **Cambodians**, and the highest rate for coronary heart disease was found for **Other Pacific Islanders**. **Hmongs** were found to have the lowest rate of early prenatal care.

Racial and ethnic groups that had unreliable rates on more than half (9 or more) indicators were: **Alaska Natives** (9); **Cuban** (9); **Asian Indian** (10); **Cambodian** (11); **Hmong** (12); **Laotian** (12); **Other Asians** (12); **Native Hawaiian** (13); **Other Pacific Islanders** (13); **Other and Unknown** (13); **Samoa** (13); **Thai** (13); and **Guamanian** (14);

For population groups with reliable rates, HP2010 objectives were being achieved for:

Lung cancer deaths	14 of 18 groups (78%)	(Summary Table 1)
Female breast cancer deaths	10 of 12 groups (83%)	(Summary Table 2)
Male prostate cancer deaths	12 of 13 groups (92%)	(Summary Table 3)
Diabetes deaths	15 of 19 groups (79%)	(Summary Table 4)
Coronary heart disease deaths	13 of 26 groups (50%)	(Summary Table 5)
Stroke deaths	2 of 22 groups (9%)	(Summary Table 6)
HIV infection deaths	4 of 9 groups (44%)	(Summary Table 7)
Unintentional injury deaths	6 of 18 groups (33%)	(Summary Table 8)
Homicide	2 of 10 groups (20%)	(Summary Table 9)
Infant deaths	8 of 14 groups (57%)	(Summary Table 10)
Early prenatal care	3 of 30 groups (10%)	(Summary Table 11)
Low birth weight	1 of 29 groups (3%)	(Summary Table 12)
Suicide	3 of 12 groups (25%)	(Summary Table 13)
COPD deaths	10 of 18 groups (56%)	(Summary Table 14)
Cirrhosis deaths	2 of 12 groups (17%)	(Summary Table 15)
Drug-induced deaths	2 of 10 groups (20%)	(Summary Table 16)

This study provides greater detail in terms of the health status of California's multicultural populations than other reports whose source data come from vital records, and thus allows more subtle comparisons between and among racial and ethnic populations beyond the four groupings usually available in population-based data reports. For instance, both the "*Vital Statistics of California 1999*" report and the "*Diabetes Deaths in California, 1999-2000*" report show that Blacks had the highest age-adjusted death rate for diabetes. However, the present report shows Pacific Islanders as having the highest rate, followed by American Indians, then by African Americans/Blacks (Table 4, Summary Table 4). This value-added dimension to standard reporting may provide useful information to public health services programs, researchers, policy-makers and others interested and invested in the elimination of racial and ethnic health disparities in California.

California Department of Health Services. Vital Statistics of California 1999. Sacramento, CA: Center for Health Statistics, April 2002.
 Cox, D.H. Diabetes deaths in California, 1999-2000. Center for Health Statistics, *Data Summary* No. DS02-06001, June 2002.

Lung Cancer Deaths

Figure 1, Table 1, Summary Table 1

Healthy People 2010 objective 3-2 targets reductions in lung cancer death rates to a level of 44.9 per 100,000 population. The 1999-2001 California average rate was 47.5 per 100,000 population, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for 14 of the 18 racial and ethnic populations having reliable rates. The objective was not being met for **African Americans/Blacks, American Indians, Pacific Islanders, or Whites**. Death rates varied from a low of 11.5 for **Other Hispanics/Latinos** to a high of 71.8 for **Pacific Islanders**. Unreliable rates were found for 12 of the 30 racial and ethnic populations on this indicator.

Among the five aggregated racial and ethnic groupings with reliable rates, the highest lung cancer death rate was found for **African Americans/Blacks** (66.8), followed by **Whites** (55.2), **American Indians/Alaska Natives** (41.7), **Asians/Pacific Islanders** (32.9), and **Hispanics/Latinos** (22.7). Death rates for **African Americans/Blacks** and for **Whites** were significantly higher than both the statewide average rate and the HP2010 target, and rates for **Asians/Pacific Islanders** and for **Hispanics/Latinos** were significantly lower.

For more information on lung cancer, please visit the

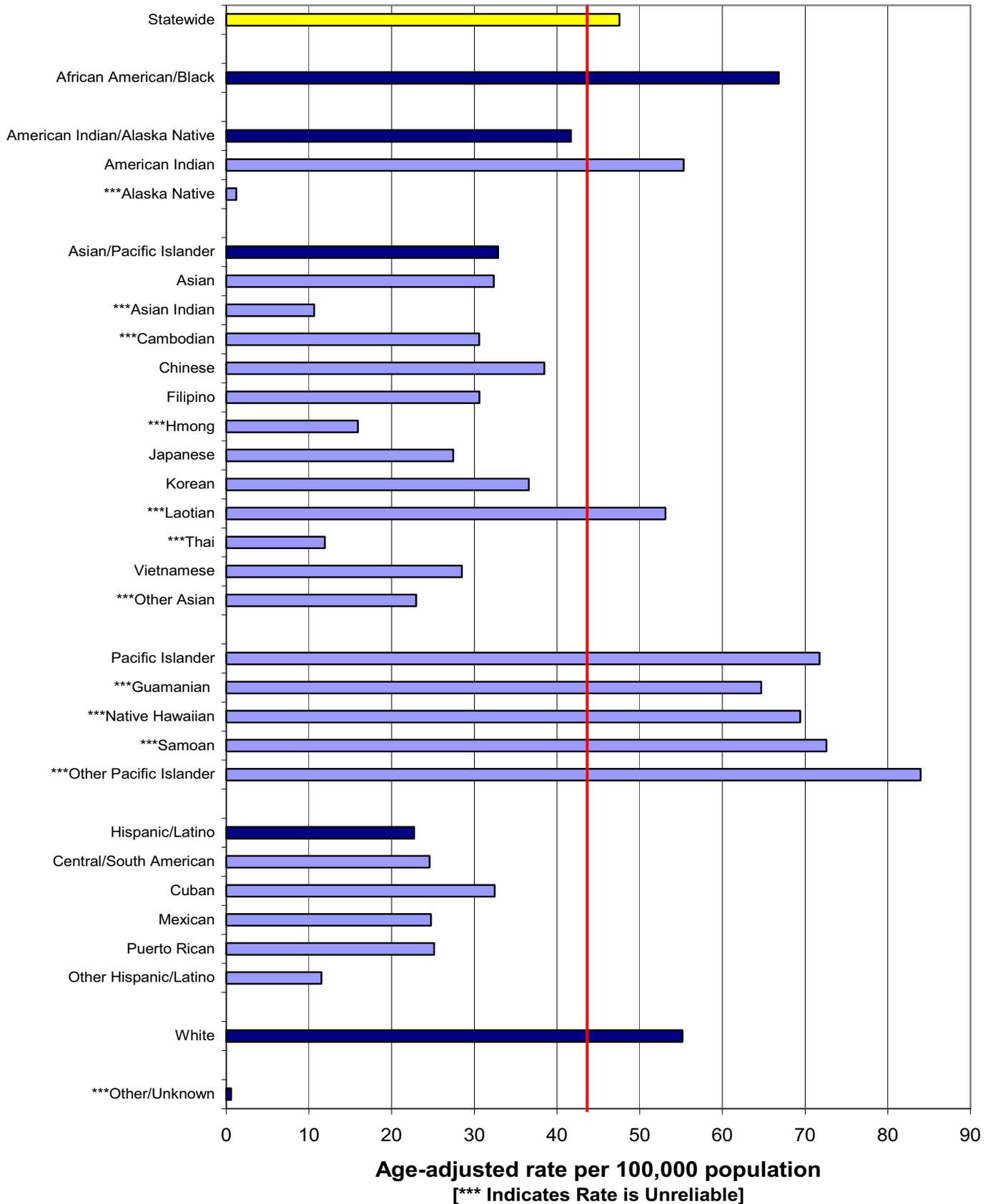
CDHS Cancer Control Branch Web site at
<http://www.dhs.ca.gov/ps/cdic/default.htm#ccb>

CDHS Center for Health Statistics Web site at
<http://www.dhs.ca.gov/hisp/chs/phweek/cprofile2003/cprofile2003.htm>

CDC Cancer Prevention and Control Web site at
<http://www.cdc.gov/cancer/dbdata.htm>.

DHHS Healthy People 2010 Web site at
<http://www.healthypeople.gov/Publications/>

Figure 1
Lung Cancer Death Rates By Race-Ethnicity
California, 1999-2001
[Healthy People 2010 Objective = 44.9]



**Table 1
Lung Cancer Deaths**

	3-Year Average N	AAMR	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
Objective 3-2 Healthy People 2010 Target		44.9					
California Total	13,794	47.5		46.8	48.3		YES
African American/Black	1,053	66.8		62.7	70.9	YES	YES
American Indian/Alaska Native	49	41.7		29.4	54.0	NO	NO
American Indian	48	55.3		38.8	71.8	NO	NO
Alaska Native	1	1.2	***	0.0	5.3	***	***
Asian/Pacific Islander	947	32.9		30.7	35.0	YES	YES
Asian	910	32.4		30.2	34.5	YES	YES
Asian Indian	15	10.6	***	4.7	16.5	***	***
Cambodian	9	30.6	***	8.6	52.6	***	***
Chinese	328	38.5		34.3	42.7	YES	YES
Filipino	236	30.6		26.6	34.6	YES	YES
Hmong	3	15.9	***	0.0	34.5	***	***
Japanese	120	27.4		22.5	32.4	YES	YES
Korean	88	36.6		28.6	44.6	YES	YES
Laotian	15	53.1	***	24.2	82.0	***	***
Thai	4	11.9	***	0.0	31.2	***	***
Vietnamese	77	28.5		21.7	35.4	YES	YES
Other Asian	15	22.9	***	9.3	36.6	***	***
Pacific Islander	37	71.8		46.4	97.1	NO	YES
Guamanian	7	64.7	***	15.6	113.8	***	***
Native Hawaiian	10	69.4	***	23.9	114.9	***	***
Samoan	12	72.6	***	26.6	118.6	***	***
Other Pacific Islander	7	84.0	***	13.7	154.3	***	***
Hispanic/Latino	910	22.7		21.2	24.3	YES	YES
Central/South American	80	24.6		18.7	30.5	YES	YES
Cuban	29	32.5		20.5	44.4	YES	YES
Mexican	706	24.8		22.8	26.7	YES	YES
Puerto Rican	22	25.1		14.5	35.8	YES	YES
Other Hispanic/Latino	73	11.5		8.8	14.2	YES	YES
White	10,832	55.2		54.1	56.2	YES	YES
Other/Unknown	3	0.6	***	0.0	1.2	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.
U.S. Census Bureau, Census 2000: Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

Lung cancer defined by ICD-10 codes C33-C34.

AAMR Age-Adjusted Mortality Rate; rate per 100,000 population adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 1 Lung Cancer Deaths	1999-2001 Rate
Other Pacific Islander	84.0 ***
Samoaan	72.6 ***
Pacific Islander	71.8
Native Hawaiian	69.4 ***
African American/Black	66.8
Guamanian	64.7 ***
American Indian	55.3
White	55.2
Laotian	53.1 ***
California Total (All Racial and Ethnic Groups)	47.5
Healthy People 2010 Objective 3-2	44.9
American Indian/Alaska Native	41.7
Chinese	38.5
Korean	36.6
Asian/Pacific Islander	32.9
Cuban	32.5
Asian	32.4
Filipino	30.6
Cambodian	30.6 ***
Vietnamese	28.5
Japanese	27.4
Puerto Rican	25.1
Mexican	24.8
Central/South American	24.6
Other Asian	22.9 ***
Hispanic/Latino	22.7
Hmong	15.9 ***
Thai	11.9 ***
Other Hispanic/Latino	11.5
Asian Indian	10.6 ***
Alaska Native	1.2 ***
Other/Unknown	0.6 ***

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
 U.S. Census Bureau, Census 2000 Summary Files 1 and
 2 (SF1 and SF2), Public Use Microdata Sample (PUMS).

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Female Breast Cancer Deaths

Figure 2, Table 2, Summary Table 2

Healthy People 2010 objective 3-3 targets reductions in female breast cancer death rates to a level of 22.3 per 100,000 females. The 1999-2001 California average rate was 25.2 per 100,000 females, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for ten of the 12 racial and ethnic populations having reliable rates. The objective was not being met for **African Americans/Blacks** or for **Whites**. Death rates varied from a low of 0.0 for **Alaska Natives** to a high of 35.5 for **African Americans/Blacks**. Unreliable rates were found for 18 of the 30 racial and ethnic populations on this indicator.

Among the four aggregated racial and ethnic groupings with reliable rates, the highest lung cancer death rate was found for **African Americans/Blacks** (35.5), followed by **Whites** (28.8), **Hispanics/ Latinos** (16.1), and **Asians/ Pacific Islanders** (14.4). Death rates for **African Americans/Blacks** and for **Whites** were significantly higher than both the statewide average rate and the HP2010 target, and rates for **Hispanics/Latinos** and for **Asians/Pacific Islanders** were significantly lower.

For more information on female breast cancer, please visit the

CDHS Cancer Control Branch Web site at
<http://www.dhs.ca.gov/ps/cdic/default.htm#ccb>

CDHS Center for Health Statistics Web site at
<http://www.dhs.ca.gov/hisp/chs/phweek/cprofile2003/cprofile2003.htm>

CDC Cancer Prevention and Control Web site at
<http://www.cdc.gov/cancer/dbdata.htm>.

DHHS Healthy People 2010 Web site at
<http://www.healthypeople.gov/Publications/>

Figure 2
Female Breast Cancer Death Rates By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 22.3]

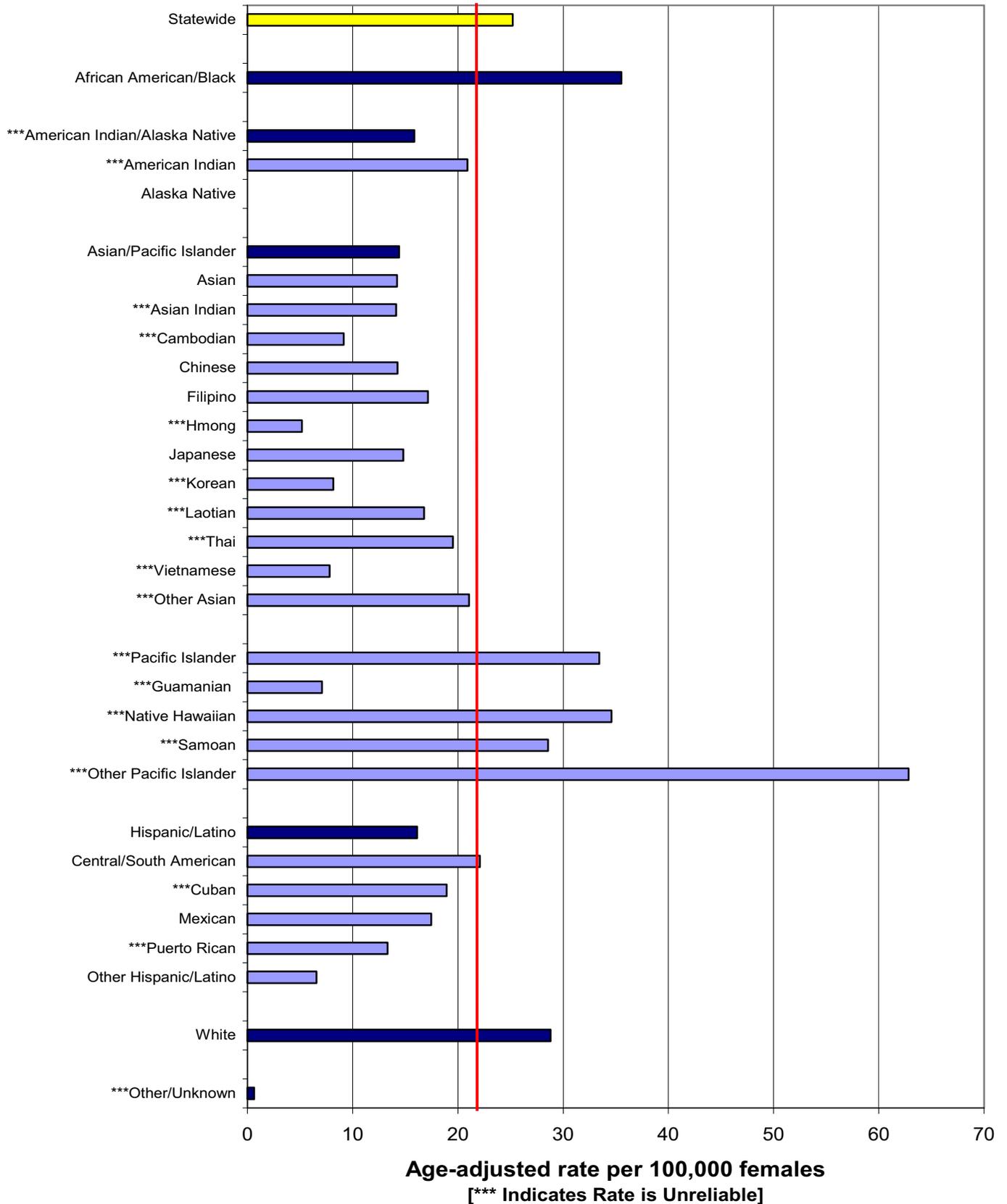


Table 2
Female Breast Cancer Deaths

	3-Year Average N	AAMR	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
Objective 3-3							
Healthy People 2010 Target		22.3					
California Total	4,149	25.2		24.4	26.0		YES
African American/Black	340	35.5		31.7	39.3	YES	YES
American Indian/Alaska Native	11	15.9 ***		6.1	25.6	***	***
American Indian	11	20.9 ***		7.9	33.9	***	***
Alaska Native	0	0.0		0.0	0.0	YES	YES
Asian/Pacific Islander	264	14.4		12.6	16.2	YES	YES
Asian	253	14.2		12.4	16.0	YES	YES
Asian Indian	14	14.1 ***		6.0	22.3	***	***
Cambodian	2	9.2 ***		0.0	23.0	***	***
Chinese	72	14.3		11.0	17.6	YES	YES
Filipino	85	17.2		13.4	20.9	YES	YES
Hmong	1	5.2 ***		0.0	17.6	***	***
Japanese	34	14.8		9.7	19.9	YES	YES
Korean	16	8.2 ***		4.1	12.3	***	***
Laotian	3	16.8 ***		0.0	36.9	***	***
Thai	4	19.5 ***		0.0	42.1	***	***
Vietnamese	14	7.8 ***		3.4	12.2	***	***
Other Asian	8	21.1 ***		2.4	39.8	***	***
Pacific Islander	11	33.4 ***		12.2	54.7	***	***
Guamanian	0	7.1 ***		0.0	31.1	***	***
Native Hawaiian	3	34.6 ***		0.0	78.7	***	***
Samoan	4	28.6 ***		0.0	58.4	***	***
Other Pacific Islander	4	62.8 ***		0.0	129.6	***	***
Hispanic/Latino	460	16.1		14.6	17.7	YES	YES
Central/South American	60	22.1		16.1	28.1	NO	NO
Cuban	9	18.9 ***		6.2	31.7	***	***
Mexican	356	17.5		15.5	19.4	YES	YES
Puerto Rican	7	13.3 ***		3.3	23.3	***	***
Other Hispanic/Latino	28	6.6		4.1	9.1	YES	YES
White	3,073	28.8		27.8	29.8	YES	YES
Other/Unknown	2	0.6 ***		0.0	1.6	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.
U.S. Census Bureau, Census 2000: Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

Female breast cancer defined by ICD-10 code C50.

AAMR Age-Adjusted Mortality Rate; rate per 100,000 females adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 2 Female Breast Cancer Deaths	1999-2001 Rate
Other Pacific Islander	62.8 ***
African American/Black	35.5
Native Hawaiian	34.6 ***
Pacific Islander	33.4 ***
White	28.8
Samoan	28.6 ***
California Total (All Racial and Ethnic Groups)	25.2
Healthy People 2010 Objective 3-3	22.3
Central/South American	22.1
Other Asian	21.1 ***
American Indian	20.9 ***
Thai	19.5 ***
Cuban	18.9 ***
Mexican	17.5
Filipino	17.2
Laotian	16.8 ***
Hispanic/Latino	16.1
American Indian/Alaska Native	15.9 ***
Japanese	14.8
Asian/Pacific Islander	14.4
Chinese	14.3
Asian	14.2
Asian Indian	14.1 ***
Puerto Rican	13.3 ***
Cambodian	9.2 ***
Korean	8.2 ***
Vietnamese	7.8 ***
Guamanian	7.1 ***
Other Hispanic/Latino	6.6
Hmong	5.2 ***
Other/Unknown	0.6 ***
Alaska Native	0.0

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
 U.S. Census Bureau, Census 2000 Summary Files 1 and
 2 (SF1 and SF2), Public Use Microdata Sample (PUMS).

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Prostate Cancer Deaths

Figure 3, Table 3, Summary Table 3

Healthy People 2010 objective 3-7 targets reductions in prostate cancer death rates to a level of 28.8 per 100,000 males. The 1999-2001 California average rate was 27.4 per 100,000 males, significantly lower than the HP2010 target.

CHS findings indicate that this objective was being achieved for 11 of the 13 racial and ethnic populations having reliable rates. The objective was not being met for **African Americans/Blacks** or for **Central/South Americans**. Death rates varied from a low of 0.0 for **Alaska Natives, Hmong, and Thai** to a high of 62.9 for **African Americans/Blacks**. Unreliable rates were found for 17 of the 30 racial and ethnic populations on this indicator.

Among the four aggregated racial and ethnic groupings with reliable rates, the highest prostate cancer death rate was found for **African Americans/Blacks** (62.9), followed by **Whites** (28.5), **Hispanics/Latinos** (21.8), and **Asians/Pacific Islanders** (13.0). Death rates for **African Americans/Blacks** were significantly higher than both the statewide average rate and the HP2010 target, and rates for **Hispanics/Latinos** and for **Asians/Pacific Islanders** were significantly lower.

For more information on male prostate cancer, please visit the

CDHS Cancer Control Branch Web site at
<http://www.dhs.ca.gov/ps/cdic/default.htm#ccb>

CDHS Center for Health Statistics Web site at
<http://www.dhs.ca.gov/hisp/chs/OHIR/Publication/LeadingCauseReport/Prostate8897.pdf>

CDC Cancer Prevention and Control Web site at
<http://www.cdc.gov/cancer/dbdata.htm>.

DHHS Healthy People 2010 Web site at
<http://www.healthypeople.gov/Publications/>

Figure 3
Prostate Cancer Death Rates By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 28.8]

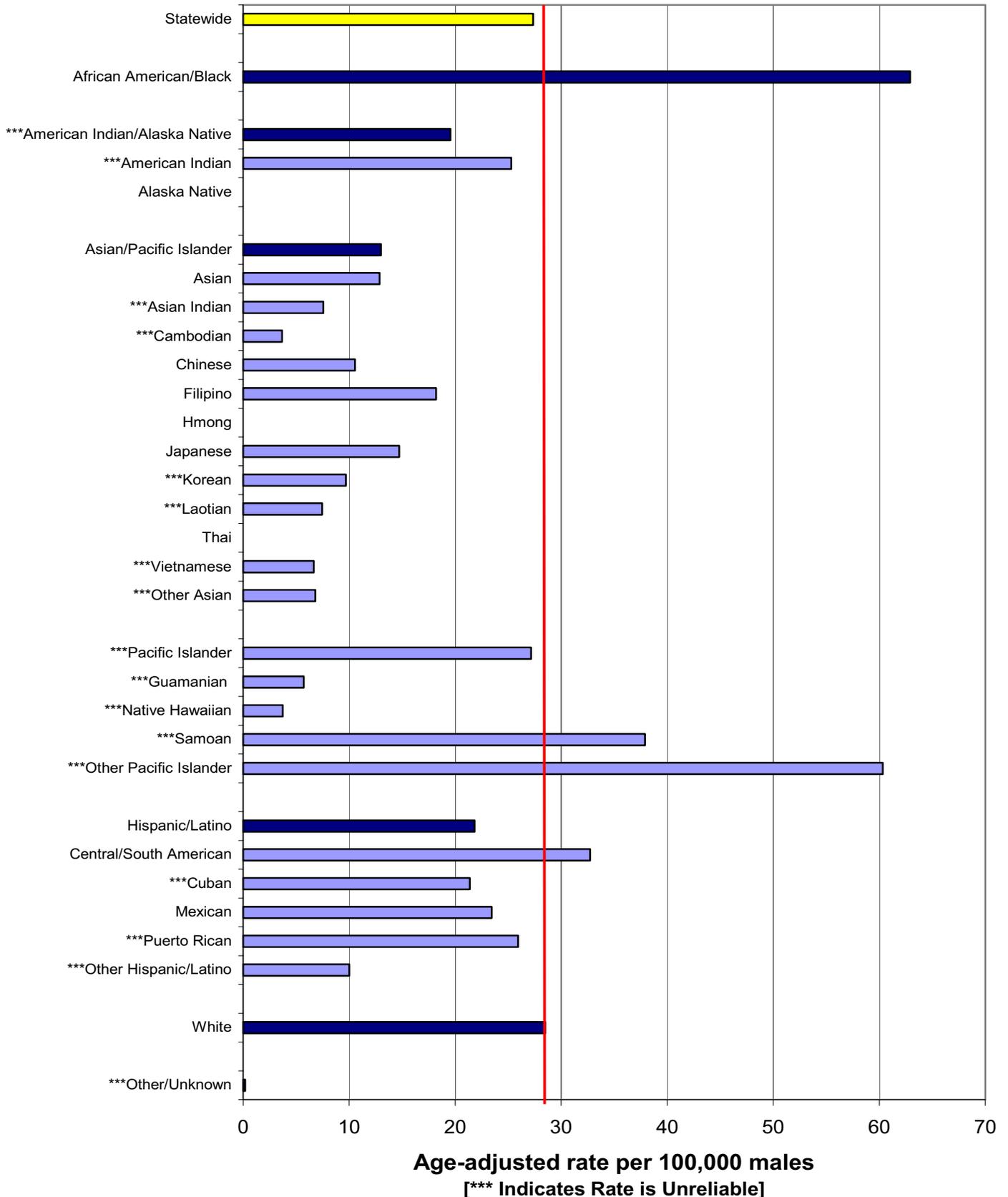


Table 3

Prostate Cancer Deaths (Males)

	3-Year Average N	AAMR	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
Objective 3-7 Healthy People 2010 Target		28.8					
California Total	3,010	27.4		26.4	28.4		YES
African American/Black	331	62.9		55.8	70.0	YES	YES
American Indian/Alaska Native	7	19.5 ***		3.8	35.3	***	***
American Indian	7	25.3 ***		5.2	45.3	***	***
Alaska Native	0	0.0		0.0	0.0	YES	YES
Asian/Pacific Islander	124	13.0		10.6	15.3	YES	YES
Asian	120	12.9		10.5	15.2	YES	YES
Asian Indian	4	7.6 ***		0.0	16.3	***	***
Cambodian	0	3.7 ***		0.0	16.1	***	***
Chinese	33	10.5		6.8	14.3	YES	YES
Filipino	46	18.2		12.9	23.5	YES	YES
Hmong	0	0.0		0.0	0.0	YES	YES
Japanese	24	14.7		8.7	20.8	YES	YES
Korean	5	9.7 ***		1.1	18.2	***	***
Laotian	1	7.5 ***		0.0	22.5	***	***
Thai	0	0.0		0.0	0.0	YES	YES
Vietnamese	5	6.7 ***		0.8	12.6	***	***
Other Asian	1	6.8 ***		0.0	18.3	***	***
Pacific Islander	4	27.2 ***		0.0	56.2	***	***
Guamanian	0	5.7 ***		0.0	25.1	***	***
Native Hawaiian	0	3.7 ***		0.0	16.5	***	***
Samoan	2	37.9 ***		0.0	100.4	***	***
Other Pacific Islander	2	60.3 ***		0.0	148.8	***	***
Hispanic/Latino	288	21.8		19.1	24.5	YES	YES
Central/South American	24	32.7		18.6	46.8	NO	NO
Cuban	8	21.4 ***		5.9	36.9	***	***
Mexican	229	23.4		20.2	26.7	YES	YES
Puerto Rican	7	25.9 ***		6.4	45.5	***	***
Other Hispanic/Latino	20	10.0 ***		5.4	14.6	***	***
White	2,260	28.5		27.3	29.7	NO	NO
Other/Unknown	0	0.2 ***		0.0	0.8	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.

U.S. Census Bureau, Census 2000: Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

Prostate cancer defined by ICD-10 code C61.

AAMR Age-Adjusted Mortality Rate; rate per 100,000 population adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 3 Prostate Cancer Deaths	1999-2001 Rate
African American/Black	62.9
Other Pacific Islander	60.3 ***
Samoan	37.9 ***
Central/South American	32.7
Healthy People 2010 Objective 3-7	28.8
White	28.5
California Total (All Racial and Ethnic Groups)	27.4
Pacific Islander	27.2 ***
Puerto Rican	25.9 ***
American Indian	25.3 ***
Mexican	23.4
Hispanic/Latino	21.8
Cuban	21.4 ***
American Indian/Alaska Native	19.5 ***
Filipino	18.2
Japanese	14.7
Asian/Pacific Islander	13.0
Asian	12.9
Chinese	10.5
Other Hispanic/Latino	10.0 ***
Korean	9.7 ***
Asian Indian	7.6 ***
Laotian	7.5 ***
Other Asian	6.8 ***
Vietnamese	6.7 ***
Guamanian	5.7 ***
Native Hawaiian	3.7 ***
Cambodian	3.7 ***
Other/Unknown	0.2 ***
Alaska Native	0.0
Hmong	0.0
Thai	0.0

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
U.S. Census Bureau, Census 2000 Summary Files 1 and
2 (SF1 and SF2), Public Use Microdata Sample (PUMS).

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Diabetes Deaths

Figure 4, Table 4, Summary Table 4

Healthy People 2010 objective 5-5 targets reductions in diabetes death rates to a level of 45.0 per 100,000 population. The 1999-2001 California average age-adjusted death rate was 85.1 per 100,000 population, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for only 2 of the 25 racial and ethnic populations having reliable rates, **Alaska Natives** and **Other Hispanics/Latinos**. Death rates varied from a low of 0.0 for **Alaska Natives** to a high of 320.1 for **Other Pacific Islanders**. Unreliable rates were found for five of the 30 racial and ethnic populations on this indicator.

Among the five aggregated racial and ethnic groupings with reliable rates, the highest diabetes death rate was found for **African Americans/Blacks** (175.2), followed by **American Indians/Alaska Natives** (131.1), **Hispanics/Latinos** (123.5), **Whites** (75.2), and **Asians/Pacific Islanders** (72.6). The death rates for **African Americans/Blacks**, **American Indians/Alaska Natives**, and **Hispanics/Latinos** were all significantly higher than the statewide average rate, and the rates for **Whites** and for **Asians/Pacific Islanders** were significantly lower.

For more information on diabetes, please visit the

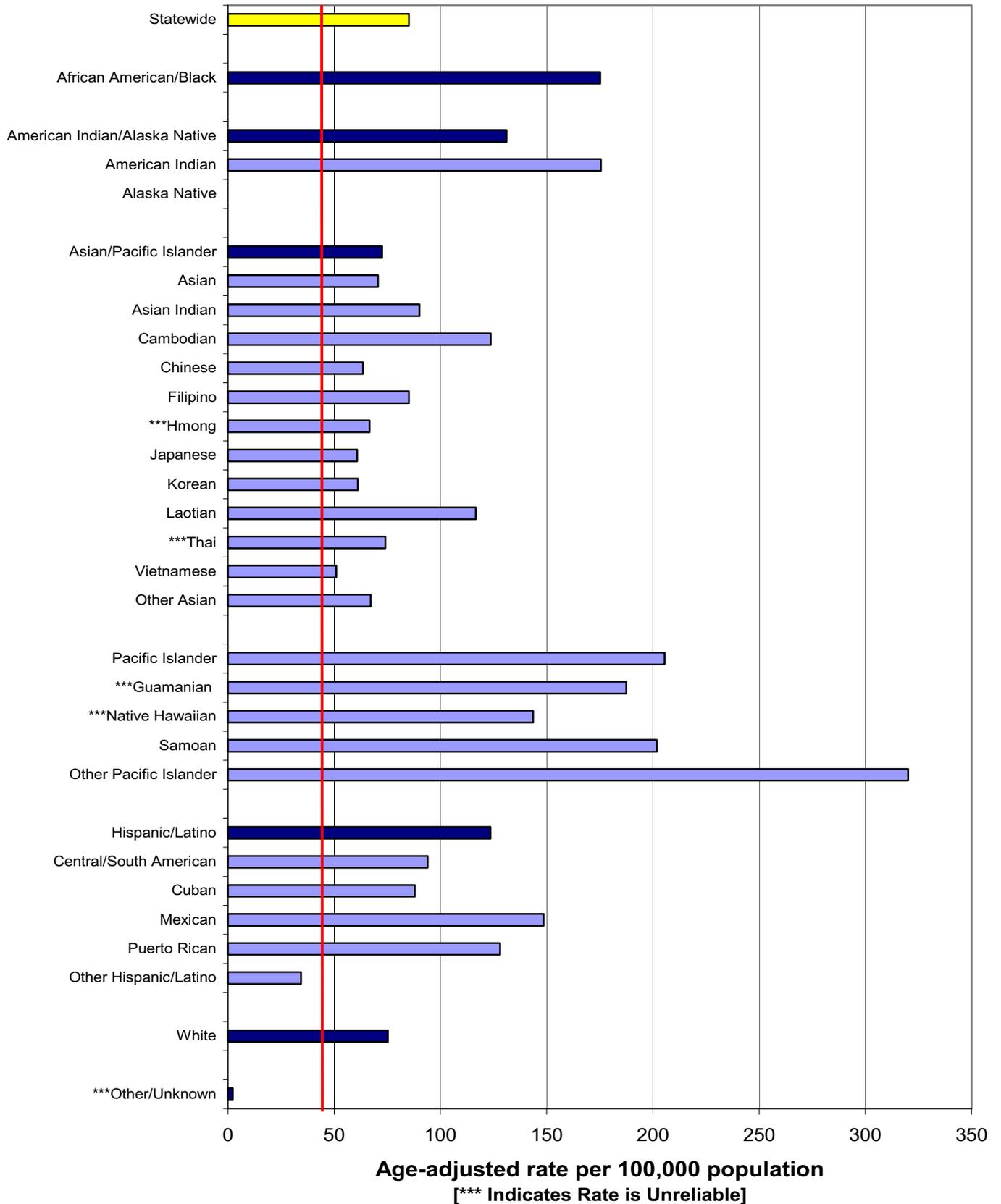
CDHS Diabetes Prevention and Control Program Web site at
<http://www.caldiabetes.org/>

CDHS Center for Health Statistics Web site at
<http://www.dhs.ca.gov/hisp/chs/phweek/cprofile2003/cprofile2003.htm>

CDC Diabetes Public Health Resource Web site at
<http://www.cdc.gov/diabetes/>

DHHS Healthy People 2010 Web site at
<http://www.healthypeople.gov/Publications/>

Figure 4
Diabetes Death Rates By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 45.0]



**Table 4
Diabetes Deaths**

	3-Year Average N	AAMR	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
Objective 5-5 Healthy People 2010 Target		45.0					
California Total	24,560	85.1		84.1	86.2		YES
African American/Black	2,648	175.2		168.4	182.0	YES	YES
American Indian/Alaska Native	143	131.1		108.6	153.6	YES	YES
American Indian	143	175.5		145.1	205.9	YES	YES
Alaska Native	0	0.0		0.0	0.0	YES	YES
Asian/Pacific Islander	1,915	72.6		69.3	76.0	YES	YES
Asian	1,822	70.6		67.3	74.0	YES	YES
Asian Indian	110	90.2		71.6	108.8	NO	YES
Cambodian	34	123.7		78.6	168.7	NO	YES
Chinese	512	63.6		58.0	69.2	YES	YES
Filipino	586	85.2		78.1	92.3	NO	YES
Hmong	11	66.6	***	26.2	107.1	***	***
Japanese	249	60.8		53.1	68.5	YES	YES
Korean	132	61.1		50.2	72.1	YES	YES
Laotian	28	116.7		70.7	162.6	NO	YES
Thai	9	74.1	***	0.0	151.5	***	***
Vietnamese	105	51.0		40.6	61.4	YES	NO
Other Asian	38	67.2		41.5	92.9	NO	NO
Pacific Islander	103	205.6		161.6	249.5	YES	YES
Guamanian	18	187.6	***	76.7	298.4	***	***
Native Hawaiian	16	143.6	***	67.7	219.6	***	***
Samoan	31	201.8		124.4	279.2	YES	YES
Other Pacific Islander	36	320.1		202.1	438.2	YES	YES
Hispanic/Latino	4,767	123.5		119.8	127.2	YES	YES
Central/South American	277	94.0		82.1	105.9	NO	YES
Cuban	78	88.0		68.4	107.7	NO	YES
Mexican	4,096	148.6		143.7	153.4	YES	YES
Puerto Rican	106	128.1		103.3	152.9	YES	YES
Other Hispanic/Latino	210	34.4		29.6	39.2	YES	YES
White	15,076	75.2		74.0	76.4	YES	YES
Other/Unknown	11	2.3	***	0.9	3.6	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Multiple Cause of Death files 1999-2001.
U.S. Census Bureau, Census 2000: Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

Diabetes defined by ICD-10 codes E10-E14 as an underlying or a contributing cause of death.
AAMR Age-Adjusted Mortality Rate; rate per 100,000 population adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 4 Diabetes Deaths	1999-2001 Rate
Other Pacific Islander	320.1
Pacific Islander	205.6
Samoan	201.8
Guamanian	187.6 ***
American Indian	175.5
African American/Black	175.2
Mexican	148.6
Native Hawaiian	143.6 ***
American Indian/Alaska Native	131.1
Puerto Rican	128.1
Cambodian	123.7
Hispanic/Latino	123.5
Laotian	116.7
Central/South American	94.0
Asian Indian	90.2
Cuban	88.0
Filipino	85.2
California Total (All Racial and Ethnic Groups)	85.1
White	75.2
Thai	74.1 ***
Asian/Pacific Islander	72.6
Asian	70.6
Other Asian	67.2
Hmong	66.6 ***
Chinese	63.6
Korean	61.1
Japanese	60.8
Vietnamese	51.0
Healthy People 2010 Objective 5-5	45.0
Other Hispanic/Latino	34.4
Other/Unknown	2.3 ***
Alaska Native	0.0

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
 U.S. Census Bureau, Census 2000 Summary Files 1 and
 2 (SF1 and SF2), Public Use Microdata Sample (PUMS).

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Coronary Heart Disease Deaths

Figure 5, Table 5, Summary Table 5

Healthy People 2010 objective 12-1 targets reductions in coronary heart disease (CHD) death rates to a level of 166.0 per 100,000 population. The 1999-2001 California average rate was 202.0 per 100,000 population, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for 13 of the 26 racial and ethnic populations having reliable rates. The objective was not being met for **Other Pacific Islanders, Pacific Islanders, Samoans, African Americans/Blacks, Native Hawaiians, American Indians, Whites, Cubans, Puerto Ricans, Central/South Americans, Mexicans, Asian Indians, or for American Indians/Alaska Natives**. Death rates varied from a low of 4.9 for **Others/Unknowns** to a high of 503.5 for **Other Pacific Islanders**. Unreliable rates were found for four of the 30 racial and ethnic populations on this indicator.

Among the six aggregated racial and ethnic groupings with reliable rates, the highest CHD death rate was found for **African Americans/Blacks** (300.0), followed by **Whites** (214.3), **American Indians/Alaska Natives** (169.3), **Hispanics/Latinos** (163.0), **Asians/Pacific Islanders** (137.3), and **Others/Unknowns** (4.9). The death rates for **African Americans/Blacks** and for **Whites** were significantly higher than both the statewide average rate and the HP2010 target. The rates for **American Indians/Alaska Natives** and for **Hispanics/Latinos** were significantly lower than the statewide average. CHD death rates for **Asians/Pacific Islanders** and **Others/Unknowns** were significantly lower than both the statewide average and the HP2010 target.

For more information on coronary heart disease, please visit the

CDHS Heart Disease Prevention Program Web site at
<http://www.calheart.org/chdsp>

CDHS Center for Health Statistics Web site at
<http://www.dhs.ca.gov/hisp/chs/phweek/cprofile2003/cprofile2003.htm>

CDC Cardiovascular Health and Heart Disease Prevention Web sites at
<http://www.cdc.gov/cvh/index.htm>
http://www.cdc.gov/nccdphp/bb_heartdisease/index.htm

DHHS Healthy People 2010 Web site at
<http://www.healthypeople.gov/Publications/>

Figure 5
Coronary Heart Disease Death Rates By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 166.0]

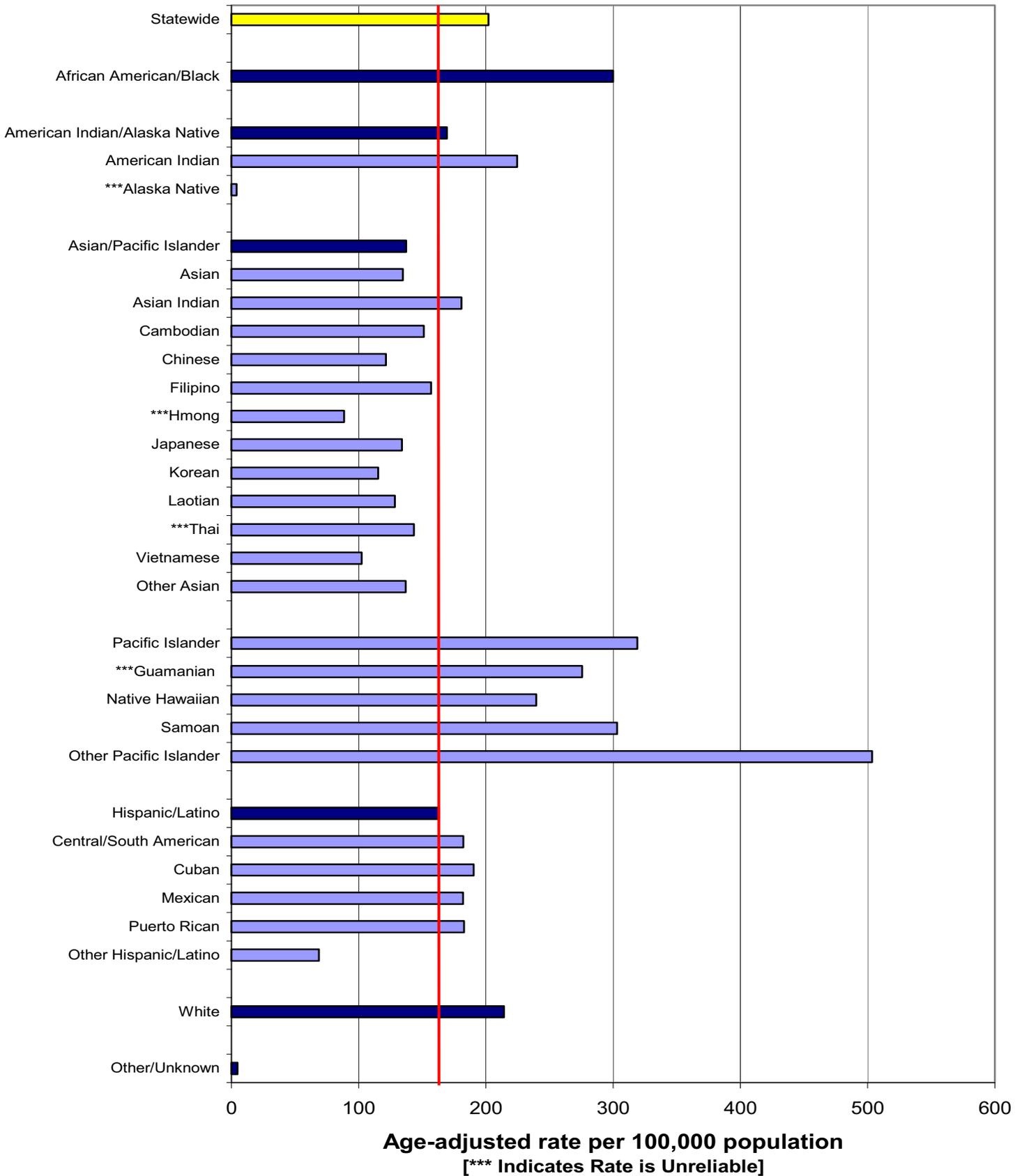


Table 5

Coronary Heart Disease Deaths

	3-Year Average N	AAMR	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
Objective 12-1 Healthy People 2010 Target		166.0					
California Total	57,529	202.0		200.3	203.6		YES
African American/Black	4,361	300.0		290.9	309.0	YES	YES
American Indian/Alaska Native	172	169.3		142.7	195.9	YES	NO
American Indian	171	224.7		189.1	260.3	NO	YES
Alaska Native	1	4.1	***	0.0	12.4	***	***
Asian/Pacific Islander	3,404	137.3		132.5	142.0	YES	YES
Asian	3,258	134.7		129.9	139.4	YES	YES
Asian Indian	204	180.9		153.2	208.5	NO	NO
Cambodian	37	151.3		98.9	203.7	NO	NO
Chinese	944	121.4		113.5	129.2	YES	YES
Filipino	1,005	156.9		146.8	166.9	YES	NO
Hmong	14	88.5	***	38.7	138.3	***	***
Japanese	520	134.0		122.2	145.7	YES	YES
Korean	224	115.4		99.7	131.1	YES	YES
Laotian	30	128.5		79.5	177.5	YES	NO
Thai	13	143.4	***	20.5	266.4	***	***
Vietnamese	202	102.3		87.2	117.5	YES	YES
Other Asian	66	136.9		96.1	177.7	YES	NO
Pacific Islander	146	319.0		261.0	377.0	YES	YES
Guamanian	19	275.6	***	116.9	434.3	***	***
Native Hawaiian	29	239.6		144.6	334.5	NO	NO
Samoan	43	303.1		201.2	404.9	NO	YES
Other Pacific Islander	55	503.5		348.2	658.8	YES	YES
Hispanic/Latino	5,682	163.0		158.5	167.4	YES	NO
Central/South American	479	182.3		164.9	199.7	YES	NO
Cuban	169	190.4		161.5	219.2	NO	NO
Mexican	4,500	182.1		176.5	187.7	YES	YES
Puerto Rican	147	182.7		152.7	212.8	NO	NO
Other Hispanic/Latino	386	68.7		61.7	75.7	YES	YES
White	43,887	214.3		212.2	216.3	YES	YES
Other/Unknown	23	4.9		2.8	6.9	YES	YES

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.
 U.S. Census Bureau, Census 2000, Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

Coronary heart disease defined by ICD-10 codes I11, I20-I25.

AAMR Age-Adjusted Mortality Rate; rate per 100,000 population adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 5 Coronary Heart Disease Deaths	1999-2001 Rate
Other Pacific Islander	503.5
Pacific Islander	319.0
Samoan	303.1
African American/Black	300.0
Guamanian	275.6 ***
Native Hawaiian	239.6
American Indian	224.7
White	214.3
California Total (All Racial and Ethnic Groups)	202.0
Cuban	190.4
Puerto Rican	182.7
Central/South American	182.3
Mexican	182.1
Asian Indian	180.9
American Indian/Alaska Native	169.3
Healthy People 2010 Objective 12-1	166.0
Hispanic/Latino	163.0
Filipino	156.9
Cambodian	151.3
Thai	143.4 ***
Asian/Pacific Islander	137.3
Other Asian	136.9
Asian	134.7
Japanese	134.0
Laotian	128.5
Chinese	121.4
Korean	115.4
Vietnamese	102.3
Hmong	88.5 ***
Other Hispanic/Latino	68.7
Other/Unknown	4.9
Alaska Native	4.1 ***

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
 U.S. Census Bureau, Census 2000 Summary Files 1 and
 2 (SF1 and SF2), Public Use Microdata Sample (PUMS).

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Stroke Deaths

Figure 6, Table 6, Summary Table 6

Healthy People 2010 objective 12-7 targets reductions in stroke death rates to a level of 48.0 per 100,000 population. The 1999-2001 California average rate was 63.6 per 100,000 population, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for only two of the 22 racial and ethnic populations having reliable rates (**Other Hispanics/Latinos** and **Alaska Natives**). The HP2010 objective was not being met for 20 racial and ethnic populations. Death rates varied from a low of 0.0 for **Alaska Natives** to a high of 125.3 for **Cambodians**. Unreliable rates were found for eight of the 30 racial and ethnic populations on this indicator.

Among the five aggregated racial and ethnic groupings with reliable rates, the highest death rates were found for **African Americans/Blacks** (94.8), followed by **Whites** (63.5), **Asians/Pacific Islanders** (62.5), **American Indians/Alaska Natives** (55.6), and **Hispanics/Latinos** (53.5). The death rate for **African Americans/Blacks** was significantly higher than both the statewide average rate and the HP2010 target. The rate for **Hispanics/Latinos** was significantly higher than the HP2010 target but significantly lower than the statewide average. The rates for **Whites** and **Asians/Pacific Islanders** were significantly higher than the HP2010 target.

For more information on stroke (cerebrovascular disease), please visit the

CDHS Stroke Prevention Program Web site at
<http://www.calheart.org/chdsp>

CDHS Center for Health Statistics Web site at
<http://www.dhs.ca.gov/hisp/chs/phweek/cprofile2003/cprofile2003.htm>

CDC Cardiovascular Health and Stroke Prevention Web sites at
<http://www.cdc.gov/cvh/>
http://www.cdc.gov/nccdphp/bb_heartdisease/index.htm

DHHS Healthy People 2010 Web site at
<http://www.healthypeople.gov/Publications/>

Figure 6
Stroke Death Rates By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 48.0]

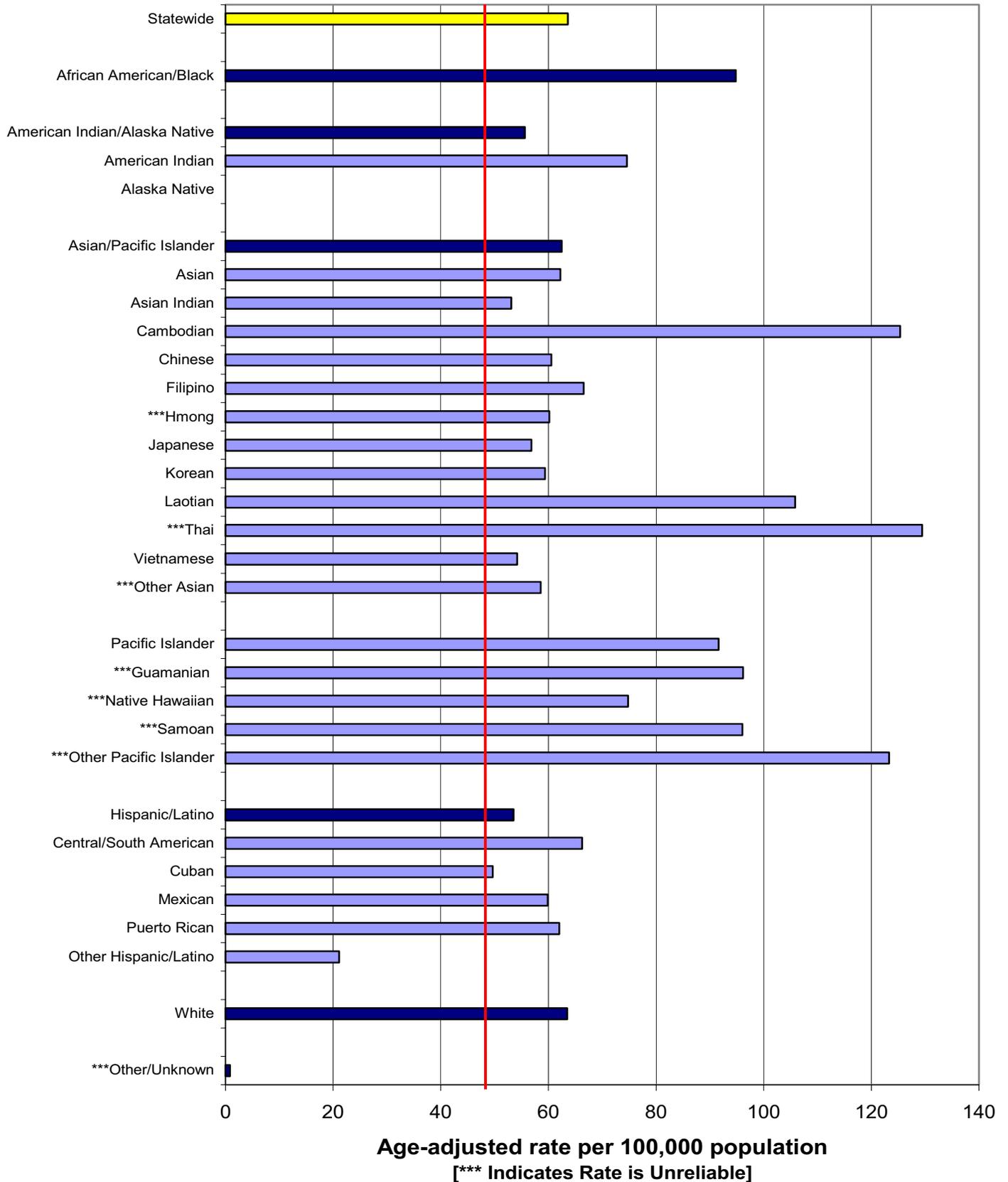


Table 6 Stroke Deaths	3-Year Average N	AAMR	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
Objective 12-7 Healthy People 2010 Target		48.0					
California Total	18,082	63.6		62.7	64.6		YES
African American/Black	1,367	94.8		89.7	99.9	YES	YES
American Indian/Alaska Native	55	55.6		40.2	71.1	NO	NO
American Indian	55	74.6		53.8	95.4	NO	YES
Alaska Native	0	0.0		0.0	0.0	YES	YES
Asian/Pacific Islander	1,568	62.5		59.3	65.6	NO	YES
Asian	1,528	62.2		59.0	65.4	NO	YES
Asian Indian	55	53.1		37.5	68.7	NO	NO
Cambodian	32	125.3		77.8	172.9	YES	YES
Chinese	471	60.6		55.0	66.1	NO	YES
Filipino	444	66.6		60.1	73.0	NO	YES
Hmong	11	60.2 ***		20.4	99.9	***	***
Japanese	217	56.9		49.1	64.6	NO	YES
Korean	123	59.4		48.4	70.3	NO	YES
Laotian	25	105.8		62.1	149.6	NO	YES
Thai	9	129.4 ***		0.0	261.2	***	***
Vietnamese	115	54.2		43.5	64.9	NO	NO
Other Asian	27	58.5 ***		30.9	86.2	***	***
Pacific Islander	39	91.6		59.7	123.5	NO	YES
Guamanian	6	96.2 ***		0.0	199.8	***	***
Native Hawaiian	8	74.8 ***		20.0	129.7	***	***
Samoaan	13	96.1 ***		39.5	152.7	***	***
Other Pacific Islander	12	123.3 ***		39.6	207.0	***	***
Hispanic/Latino	1,927	53.5		51.0	56.1	YES	YES
Central/South American	180	66.3		55.8	76.7	NO	YES
Cuban	44	49.7		34.8	64.5	NO	NO
Mexican	1,536	59.9		56.6	63.1	YES	YES
Puerto Rican	49	62.0		44.3	79.7	NO	NO
Other Hispanic/Latino	118	21.1		17.2	25.0	YES	YES
White	13,161	63.5		62.4	64.6	NO	YES
Other/Unknown	4	0.9 ***		0.0	1.7	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.
U.S. Census Bureau, Census 2000: Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

Stroke (cerebrovascular disease) defined by ICD-10 codes I60-I69.

AAMR Age-Adjusted Mortality Rate; rate per 100,000 population adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 6 Stroke Deaths	1999-2001 Rate
Thai	129.4 ***
Cambodian	125.3
Other Pacific Islander	123.3 ***
Laotian	105.8
Guamanian	96.2 ***
Samoan	96.1 ***
African American/Black	94.8
Pacific Islander	91.6
Native Hawaiian	74.8 ***
American Indian	74.6
Filipino	66.6
Central/South American	66.3
California Total (All Racial and Ethnic Groups)	63.6
White	63.5
Asian/Pacific Islander	62.5
Asian	62.2
Puerto Rican	62.0
Chinese	60.6
Hmong	60.2 ***
Mexican	59.9
Korean	59.4
Other Asian	58.5 ***
Japanese	56.9
American Indian/Alaska Native	55.6
Vietnamese	54.2
Hispanic/Latino	53.5
Asian Indian	53.1
Cuban	49.7
Healthy People 2010 Objective 12-7	48.0
Other Hispanic/Latino	21.1
Other/Unknown	0.9 ***
Alaska Native	0.0

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
 U.S. Census Bureau, Census 2000 Summary Files 1 and
 2 (SF1 and SF2), Public Use Microdata Sample (PUMS).

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Human Immunodeficiency Virus (HIV) Deaths

Figure 7, Table 7, Summary Table 7

Healthy People 2010 objective 13-14 targets reductions in HIV death rates to a level of 0.7 per 100,000 population. The 1999-2001 California average rate was 4.5 per 100,000 population, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for four of the nine racial and ethnic populations having reliable rates (**Asians/Pacific Islanders, Asians, Koreans, and Other Asians**). The objective was not being met for **African Americans/Blacks, Central/South Americans, Mexicans, Whites, or Hispanics/Latinos**. Death rates varied from a low of 0.0 for **Koreans** and for **Other Asians** to a high of 17.4 for **African Americans/ Blacks**. Unreliable rates were found for 21 of the 30 racial and ethnic populations on this indicator.

Among the four aggregated racial and ethnic groupings with reliable rates, the highest HIV death rate was found for **African Americans/Blacks** (17.4), followed by **Whites** (4.2), **Hispanics/Latinos** (4.2), and **Asians/Pacific Islanders** (0.7). The death rate for **African Americans/Blacks** was significantly higher than both the statewide average rate and the HP2010 target. The rates for **Whites** and for **Hispanics/Latinos** were significantly higher than the HP2010 target. The HIV death rate for **Asians/Pacific Islanders** was significantly lower than the statewide average.

For more information on HIV, please visit the

CDHS Office of AIDS Web site at
<http://www.dhs.ca.gov/ps/ooa/default.htm>

CDHS Center for Health Statistics Web site at
<http://www.dhs.ca.gov/hisp/chs/phweek/cprofile2003/cprofile2003.htm>

CDC Division of HIV/AIDS Prevention Web site at
<http://www.cdc.gov/hiv/dhap.htm>

DHHS Healthy People 2010 Web site at
<http://www.healthypeople.gov/Publications/>

Figure 7
HIV Infection Death Rates By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 0.7]

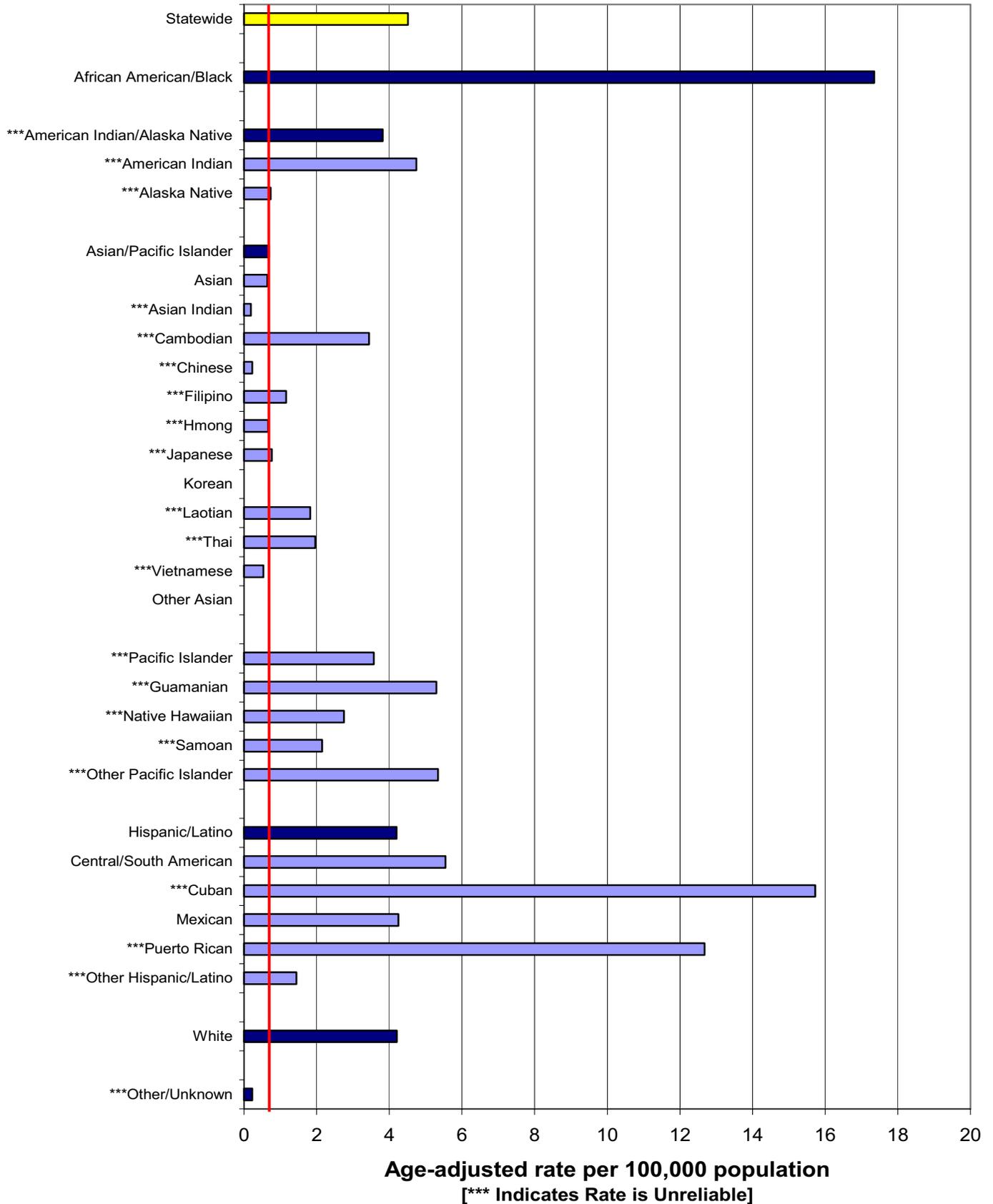


Table 7 HIV Infection Deaths	3-Year Average		Lower 95%	Upper 95%	Sig Dif	Sig Dif	
	N	AAMR	RSE	C.I.	C.I.	From CA Rate?	From HP2010 Target?
Objective 13-14							
Healthy People 2010 Target		0.7					
California Total	1,502	4.5		4.3	4.7		YES
African American/Black	369	17.4		15.6	19.1	YES	YES
American Indian/Alaska Native	7	3.8 ***		1.1	6.6	***	***
American Indian	7	4.7 ***		1.2	8.3	***	***
Alaska Native	0	0.7 ***		0.0	3.2	***	***
Asian/Pacific Islander	27	0.7		0.4	1.0	YES	NO
Asian	24	0.6		0.4	0.9	YES	NO
Asian Indian	1	0.2 ***		0.0	0.7	***	***
Cambodian	2	3.4 ***		0.0	8.8	***	***
Chinese	2	0.2 ***		0.0	0.5	***	***
Filipino	11	1.2 ***		0.5	1.8	***	***
Hmong	0	0.7 ***		0.0	2.9	***	***
Japanese	3	0.8 ***		0.0	1.7	***	***
Korean	0	0.0		0.0	0.0	YES	YES
Laotian	1	1.8 ***		0.0	5.4	***	***
Thai	1	2.0 ***		0.0	5.9	***	***
Vietnamese	3	0.5 ***		0.0	1.2	***	***
Other Asian	0	0.0		0.0	0.0	YES	YES
Pacific Islander	4	3.6 ***		0.0	7.4	***	***
Guamanian	1	5.3 ***		0.0	14.3	***	***
Native Hawaiian	1	2.8 ***		0.0	9.4	***	***
Samoan	1	2.2 ***		0.0	7.3	***	***
Other Pacific Islander	1	5.3 ***		0.0	17.1	***	***
Hispanic/Latino	372	4.2		3.7	4.7	NO	YES
Central/South American	46	5.5		3.9	7.2	NO	YES
Cuban	12	15.7 ***		6.6	24.8	***	***
Mexican	281	4.2		3.7	4.8	NO	YES
Puerto Rican	17	12.7 ***		6.5	18.8	***	***
Other Hispanic/Latino	17	1.4 ***		0.7	2.2	***	***
White	725	4.2		3.9	4.5	NO	YES
Other/Unknown	2	0.2 ***		0.0	0.6	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.
U.S. Census Bureau, Census 2000: Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

HIV infection defined by ICD-10 codes B20-B24.

AAMR Age-Adjusted Mortality Rate; rate per 100,000 population adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 7 HIV Infection Deaths	1999-2001 Rate
African American/Black	17.4
Cuban	15.7 ***
Puerto Rican	12.7 ***
Central/South American	5.5
Other Pacific Islander	5.3 ***
Guamanian	5.3 ***
American Indian	4.7 ***
California Total (All Racial and Ethnic Groups)	4.5
Mexican	4.2
White	4.2
Hispanic/Latino	4.2
American Indian/Alaska Native	3.8 ***
Pacific Islander	3.6 ***
Cambodian	3.4 ***
Native Hawaiian	2.8 ***
Samoan	2.2 ***
Thai	2.0 ***
Laotian	1.8 ***
Other Hispanic/Latino	1.4 ***
Filipino	1.2 ***
Japanese	0.8 ***
Healthy People 2010 Objective 13-14	0.7
Asian/Pacific Islander	0.7
Alaska Native	0.7 ***
Hmong	0.7 ***
Asian	0.6
Vietnamese	0.5 ***
Other/Unknown	0.2 ***
Chinese	0.2 ***
Asian Indian	0.2 ***
Korean	0.0
Other Asian	0.0

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
U.S. Census Bureau, Census 2000 Summary Files 1 and
2 (SF1 and SF2), Public Use Microdata Sample (PUMS).

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Unintentional Injury Deaths

Figure 8, Table 8, Summary Table 8

Healthy People 2010 objective 15-13 targets reductions in unintentional injury death rates to a level of 17.5 per 100,000 population. The 1999-2001 California average rate was 27.8 per 100,000 population, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for six of the 18 racial and ethnic populations having reliable rates (**Asians, Filipinos, Vietnamese, Chinese, Japanese, and Other Hispanics/Latinos**). The HP2010 objective was not being met for 12 racial and ethnic populations. Death rates varied from a low of 7.8 for **Other Hispanics/Latinos** to a high of 50.0 for **American Indians**. Unreliable rates were found for 12 of the 30 racial and ethnic populations on this indicator.

Among the five aggregated racial and ethnic groupings with reliable rates, the highest unintentional injury death rate was found for **American Indians/Alaska Natives** (38.3), followed by **African Americans/Blacks** (34.0), **Whites** (31.1), **Hispanics/Latinos** (25.9), and **Asians/Pacific Islanders** (17.7). The death rates for **American Indians/Alaska Natives, African Americans/Blacks, and Whites** were significantly higher than both the statewide average rate and the HP2010 target. The rate for **Hispanics/Latinos** was significantly higher than the HP2010 target, but significantly lower than the statewide average, and the rate for **Asians/Pacific Islanders** was significantly lower than the statewide rate.

For more information on unintentional injuries, please visit the

CDHS Epidemiology and Prevention for Injury Control Web site at
<http://www.dhs.ca.gov/epic/>

CDHS Center for Health Statistics Web site at
<http://www.dhs.ca.gov/hisp/chs/phweek/cprofile2003/cprofile2003.htm>

CDC Unintentional Injury Prevention Web site at
<http://www.cdc.gov/ncipc/duip/duip.htm>

DHHS Healthy People 2010 Web site at
<http://www.healthypeople.gov/Publications/>

Figure 8
Unintentional Injury Death Rates By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 17.5]

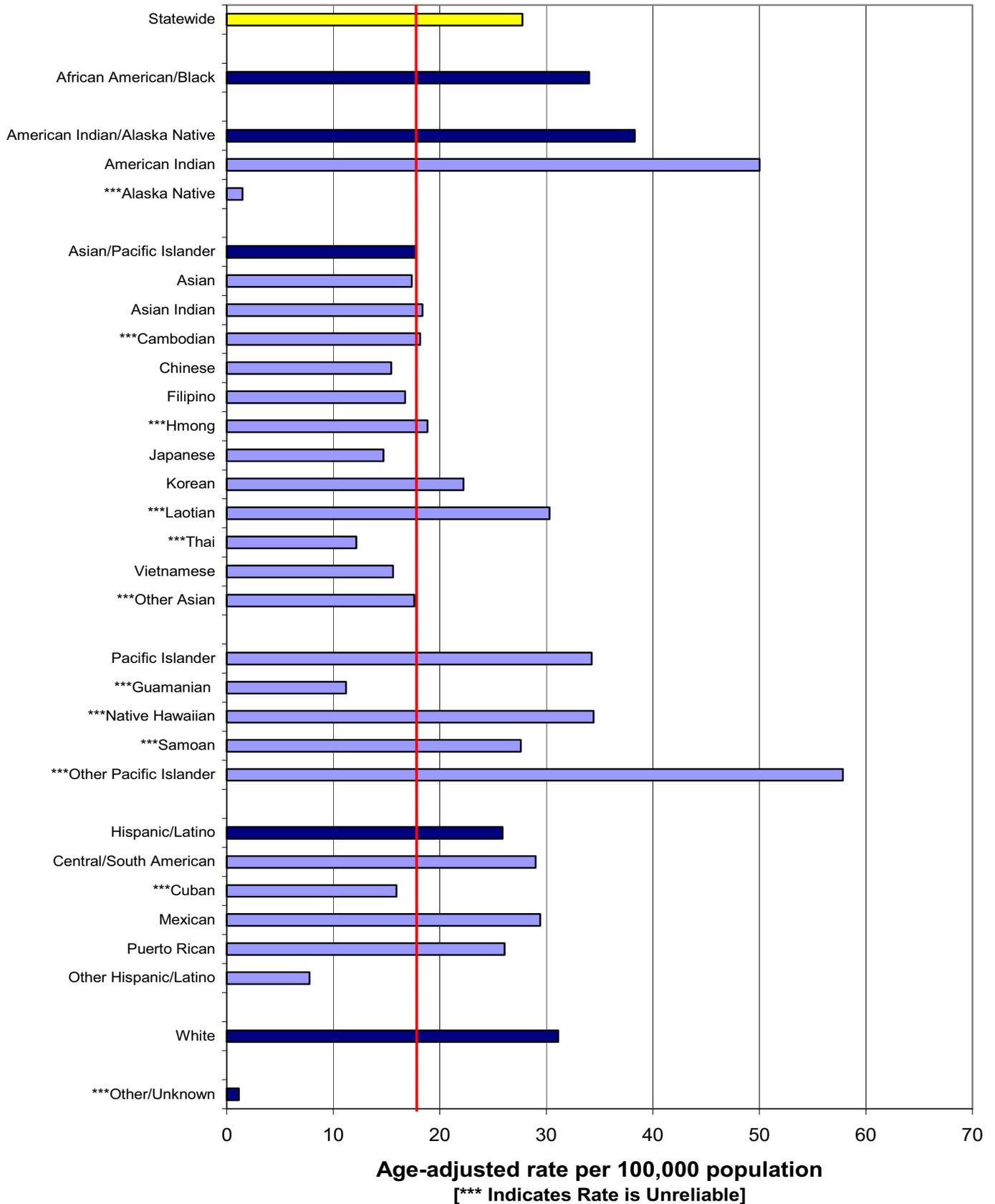


Table 8**Unintentional Injury Deaths****Objective 15-13****Healthy People 2010 Target**3-Year Average
N AAMR

RSE

Lower 95%
C.I.Upper 95%
C.I.Sig Dif
From
CA Rate?Sig Dif
From
HP2010
Target?**17.5**

	3-Year Average N	AAMR	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
California Total	9,009	27.8		27.2	28.3		YES
African American/Black	691	34.0		31.4	36.6	YES	YES
American Indian/Alaska Native	64	38.3		28.5	48.1	YES	YES
American Indian	64	50.0		37.1	63.0	YES	YES
Alaska Native	0	1.5 ***		0.0	5.0	***	***
Asian/Pacific Islander	584	17.7		16.2	19.2	YES	NO
Asian	555	17.4		15.9	18.9	YES	NO
Asian Indian	45	18.4		11.8	24.9	YES	NO
Cambodian	12	18.2 ***		5.8	30.5	***	***
Chinese	134	15.4		12.8	18.1	YES	NO
Filipino	137	16.7		13.8	19.7	YES	NO
Hmong	6	18.8 ***		0.0	39.7	***	***
Japanese	51	14.7		10.2	19.2	YES	NO
Korean	67	22.2		16.5	27.9	NO	NO
Laotian	18	30.3 ***		13.8	46.8	***	***
Thai	6	12.2 ***		1.7	22.7	***	***
Vietnamese	59	15.6		11.0	20.2	YES	NO
Other Asian	21	17.6 ***		7.8	27.3	***	***
Pacific Islander	29	34.3		20.3	48.2	NO	YES
Guamanian	2	11.2 ***		0.0	27.5	***	***
Native Hawaiian	6	34.4 ***		5.8	63.1	***	***
Samoan	8	27.6 ***		7.0	48.2	***	***
Other Pacific Islander	12	57.8 ***		13.6	102.0	***	***
Hispanic/Latino	2,281	25.9		24.6	27.2	YES	YES
Central/South American	193	29.0		24.1	33.9	NO	YES
Cuban	12	15.9 ***		6.9	25.0	***	***
Mexican	1,951	29.4		27.8	31.0	YES	YES
Puerto Rican	33	26.1		16.8	35.4	NO	NO
Other Hispanic/Latino	91	7.8		5.9	9.7	YES	YES
White	5,376	31.1		30.3	32.0	YES	YES
Other/Unknown	12	1.1 ***		0.3	1.9	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.

U.S. Census Bureau, Census 2000: Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

Unintentional injury defined by ICD-10 codes V01-X59, Y85-Y86.

AAMR Age-Adjusted Mortality Rate; rate per 100,000 population adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 8 Unintentional Injury Deaths	1999-2001 Rate
Other Pacific Islander	57.8 ***
American Indian	50.0
American Indian/Alaska Native	38.3
Native Hawaiian	34.4 ***
Pacific Islander	34.3
African American/Black	34.0
White	31.1
Laotian	30.3 ***
Mexican	29.4
Central/South American	29.0
California Total (All Racial and Ethnic Groups)	27.8
Samoan	27.6 ***
Puerto Rican	26.1
Hispanic/Latino	25.9
Korean	22.2
Hmong	18.8 ***
Asian Indian	18.4
Cambodian	18.2 ***
Asian/Pacific Islander	17.7
Other Asian	17.6 ***
Healthy People 2010 Objective 15-13	17.5
Asian	17.4
Filipino	16.7
Cuban	15.9 ***
Vietnamese	15.6
Chinese	15.4
Japanese	14.7
Thai	12.2 ***
Guamanian	11.2 ***
Other Hispanic/Latino	7.8
Alaska Native	1.5 ***
Other/Unknown	1.1 ***

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
U.S. Census Bureau, Census 2000 Summary Files 1 and
2 (SF1 and SF2), Public Use Microdata Sample (PUMS).

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Homicide Deaths

Figure 9, Table 9, Summary Table 9

Healthy People 2010 objective 15-32 targets reductions in homicide death rates to a level of 3.0 per 100,000 population. The 1999-2001 California average rate was 6.2 per 100,000 population, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for only two of the ten racial and ethnic populations having reliable rates (**Chinese** and **Filipinos**). The HP2010 objective was not being met for eight racial and ethnic populations. Death rates varied from a low of 2.3 for **Filipinos** to a high of 25.7 for **African Americans/Blacks**. Unreliable rates were found for 20 of the 30 racial and ethnic populations on this indicator.

Among the four aggregated racial and ethnic groupings with reliable rates, the highest homicide death rate was found for **African Americans/Blacks** (25.7), followed by **Hispanics/Latinos** (7.5), **Asians/Pacific Islanders** (3.2), and **Whites** (3.2). The death rates for **African Americans/Blacks** and **Hispanics/Latinos** were significantly higher than both the statewide average rate and the HP2010 target. The rate for **Asians/Pacific Islanders** and for **Whites** was significantly higher than the statewide average.

For more information on homicide, please visit the

CDHS EpiCenter Web site at

<http://www.applications.dhs.ca.gov/epicdata/default.htm>

CDHS Center for Health Statistics Web site at

<http://www.dhs.ca.gov/hisp/chs/phweek/cprofile2003/cprofile2003.htm>

U.S. Department of Justice, Bureau of Justice Statistics Web site at

<http://www.ojp.usdoj.gov/bjs/homicide/homtrnd.htm>

DHHS Healthy People 2010 Web site at

<http://www.healthypeople.gov/Publications/>

Figure 9
Homicide Death Rates By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 3.0]

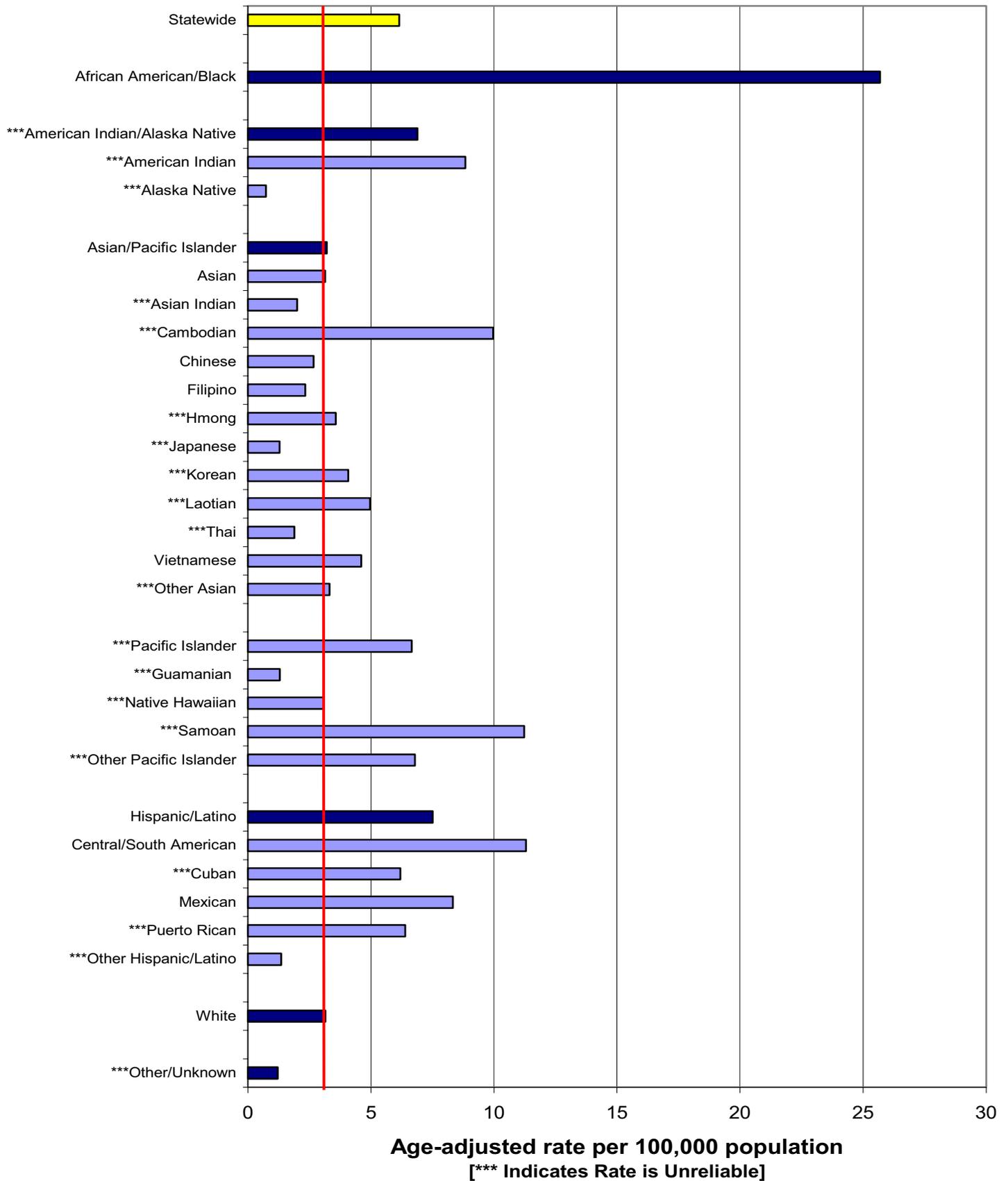


Table 9 Homicide	3-Year Average		Lower 95%	Upper 95%	Sig Dif	Sig Dif	
	N	AAMR	RSE	C.I.	C.I.	From CA Rate?	From HP2010 Target?
Objective 15-32 Healthy People 2010 Target		3.0					
California Total	2,141	6.2		5.9	6.4		YES
African American/Black	583	25.7		23.6	27.8	YES	YES
American Indian/Alaska Native	12	6.9 ***		2.8	11.0	***	***
American Indian	12	8.8 ***		3.5	14.2	***	***
Alaska Native	0	0.7 ***		0.0	3.2	***	***
Asian/Pacific Islander	125	3.2		2.6	3.8	YES	NO
Asian	116	3.1		2.6	3.7	YES	NO
Asian Indian	6	2.0 ***		0.3	3.7	***	***
Cambodian	9	10.0 ***		2.9	17.1	***	***
Chinese	25	2.7		1.6	3.7	YES	NO
Filipino	22	2.3		1.3	3.3	YES	NO
Hmong	3	3.6 ***		0.0	8.1	***	***
Japanese	4	1.3 ***		0.0	2.5	***	***
Korean	15	4.1 ***		2.0	6.2	***	***
Laotian	4	5.0 ***		0.0	10.2	***	***
Thai	1	1.9 ***		0.0	5.6	***	***
Vietnamese	23	4.6		2.6	6.6	NO	NO
Other Asian	5	3.3 ***		0.5	6.2	***	***
Pacific Islander	8	6.7 ***		2.1	11.2	***	***
Guamanian	0	1.3 ***		0.0	5.7	***	***
Native Hawaiian	1	3.1 ***		0.0	10.5	***	***
Samoan	5	11.2 ***		1.1	21.3	***	***
Other Pacific Islander	2	6.8 ***		0.0	15.8	***	***
Hispanic/Latino	907	7.5		7.0	8.0	YES	YES
Central/South American	98	11.3		9.0	13.7	YES	YES
Cuban	4	6.2 ***		0.3	12.1	***	***
Mexican	778	8.3		7.7	9.0	YES	YES
Puerto Rican	9	6.4 ***		2.1	10.7	***	***
Other Hispanic/Latino	18	1.4 ***		0.7	2.0	***	***
White	502	3.2		2.9	3.4	YES	NO
Other/Unknown	13	1.2 ***		0.4	2.0	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.
 U.S. Census Bureau, Census 2000: Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

Homicide defined by ICD-10 codes X85-Y09, Y87.1.

AAMR Age-Adjusted Mortality Rate; rate per 100,000 population adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 9 Homicide Deaths	1999-2001 Rate
African American/Black	25.7
Central/South American	11.3
Samoan	11.2 ***
Cambodian	10.0 ***
American Indian	8.8 ***
Mexican	8.3
Hispanic/Latino	7.5
American Indian/Alaska Native	6.9 ***
Other Pacific Islander	6.8 ***
Pacific Islander	6.7 ***
Puerto Rican	6.4 ***
Cuban	6.2 ***
California Total (All Racial and Ethnic Groups)	6.2
Laotian	5.0 ***
Vietnamese	4.6
Korean	4.1 ***
Hmong	3.6 ***
Other Asian	3.3 ***
Asian/Pacific Islander	3.2
White	3.2
Asian	3.1
Native Hawaiian	3.1 ***
Healthy People 2010 Objective 15-32	3.0
Chinese	2.7
Filipino	2.3
Asian Indian	2.0 ***
Thai	1.9 ***
Other Hispanic/Latino	1.4 ***
Guamanian	1.3 ***
Japanese	1.3 ***
Other/Unknown	1.2 ***
Alaska Native	0.7 ***

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
 U.S. Census Bureau, Census 2000 Summary Files 1 and
 2 (SF1 and SF2), Public Use Microdata Sample (PUMS).

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Infant Deaths

Figure 10, Table 10, Summary Table 10

Healthy People 2010 objective 16-1 targets reductions in infant death rates to a level of 4.5 per 1,000 live births. The 1999-2001 California average rate was 5.4 per 1,000 live births, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for eight of the 14 racial and ethnic populations having reliable rates (**Vietnamese, Filipinos, Asian Indians, Asians/Pacific Islanders, Central/South Americans, Asians, Chinese, and Alaska Natives**). The HP2010 objective was not being met for six racial and ethnic populations (**African Americans/Blacks, Pacific Islanders, Other Hispanics/Latinos, Mexicans, Hispanics/Latinos, and Whites**). Infant death rates varied from a low of 0.0 for **Alaska Natives** to a high of 12.8 for **African Americans/Blacks**. Unreliable rates were found for 16 of the 30 racial and ethnic populations on this indicator.

Among the four aggregated racial and ethnic groupings with reliable rates, the highest infant death rate was found for **African Americans/Blacks** (12.8), followed by **Hispanics/Latinos** (5.2), **Whites** (4.9), and **Asians/Pacific Islanders** (3.8). The infant death rate for **African Americans/Blacks** was significantly higher than both the statewide average and the HP2010 target. The rate for **Hispanics/Latinos** was significantly higher than the HP2010 target, and the rate for **Whites** was significantly lower than the statewide average. The infant death rate for **Asians/Pacific Islanders** was significantly lower than both the statewide rate and the HP2010 target.

For more information on infant deaths, please visit the

CDHS Maternal and Child Health Branch Web sites at
<http://www.dhs.ca.gov/PCFH/mchb/programs/fimrp/>
<http://www.dhs.ca.gov/PCFH/mchb/programs/sidsp/>
<http://www.dhs.ca.gov/PCFH/mchb/programs/bihp/bihfacts.htm>

CDHS Center for Health Statistics Web site at
<http://www.dhs.ca.gov/hisp/chs/phweek/cprofile2003/cprofile2003.htm>

CDC Reproductive Health Information Source Web site at
http://www.cdc.gov/reproductivehealth/ih_idmort.htm

DHHS Healthy People 2010 Web site at
<http://www.healthypeople.gov/Publications/>

Figure 10
Infant Death Rates By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 4.5]

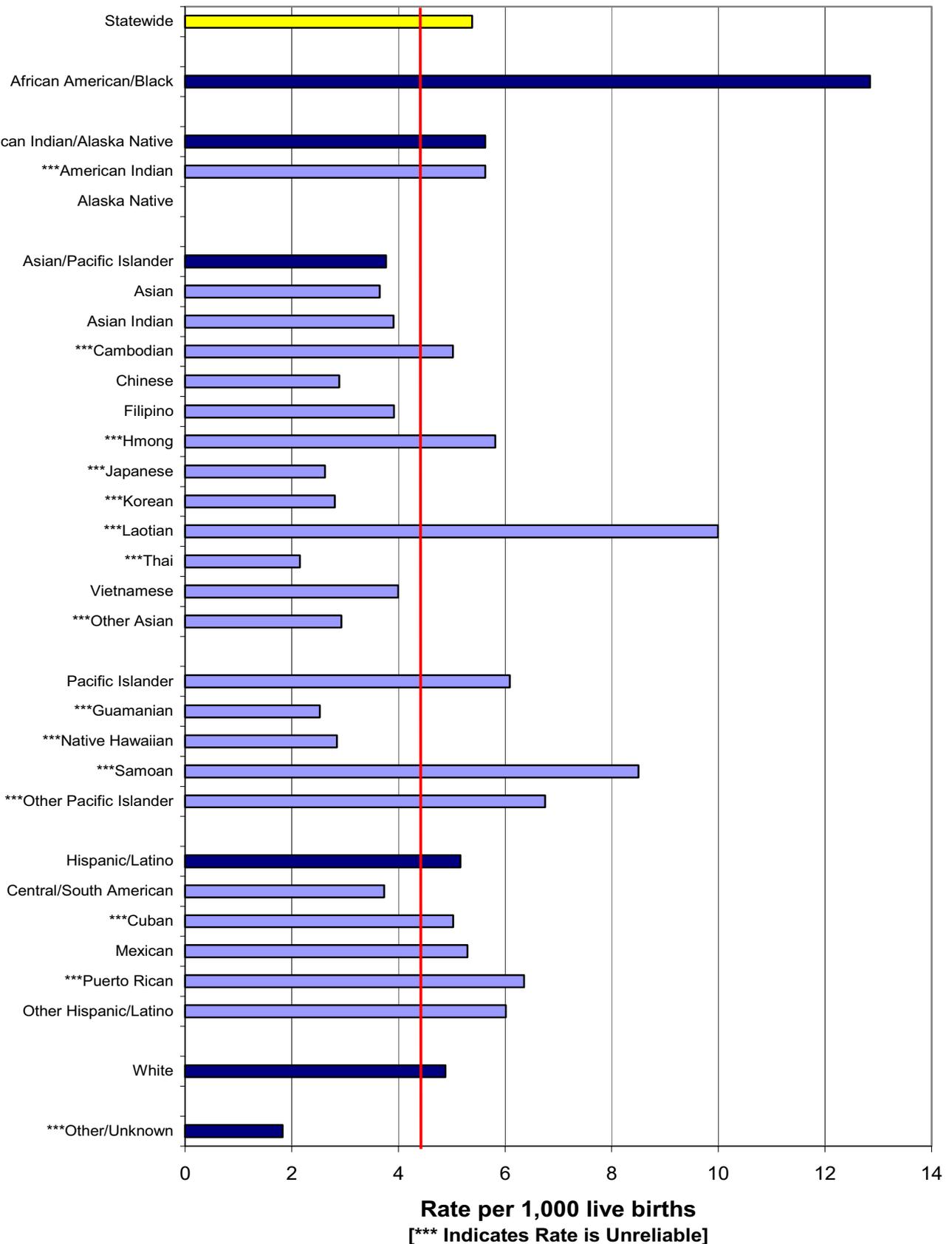


Table 10
Infant Deaths

	1999 -2001		Lower 95%	Upper 95%	Sig Dif	Sig Dif
	3-Year Average	RSE	C.I.	C.I.	From	From
	N	IMR			CA Rate?	HP2010
						Target?
Objective 16-1						
Healthy People 2010 Target		4.5				
California Total	2,829	5.4	5.1	5.5		YES
African American/Black	430	12.8	11.5	13.9	YES	YES
American Indian/Alaska Native	13	5.6 ***	2.6	9.0	***	***
American Indian	13	5.6 ***	2.7	9.0	***	***
Alaska Native	0	0.0	0.0	0.0	YES	YES
Asian/Pacific Islander	228	3.8	3.2	4.1	YES	YES
Asian	210	3.7	3.0	4.0	YES	YES
Asian Indian	26	3.9	2.4	5.4	NO	NO
Cambodian	8	5.0 ***	1.5	8.2	***	***
Chinese	35	2.9	1.7	3.5	YES	YES
Filipino	58	3.9	2.9	4.9	YES	NO
Hmong	6	5.8 ***	0.8	6.8	***	***
Japanese	8	2.6 ***	0.8	4.6	***	***
Korean	12	2.8 ***	1.2	4.2	***	***
Laotian	10	10.0 ***	3.6	15.4	***	***
Thai	1	2.2 ***	0.0	4.6	***	***
Vietnamese	34	4.0	2.5	4.9	YES	NO
Other Asian	12	2.9 ***	1.5	5.3	***	***
Pacific Islander	17	6.1	3.1	8.7	NO	NO
Guamanian	1	2.5 ***	0.0	10.7	***	***
Native Hawaiian	2	2.8 ***	0.0	7.1	***	***
Samoaan	7	8.5 ***	2.1	14.1	***	***
Other Pacific Islander	8	6.8 ***	2.3	12.8	***	***
Hispanic/Latino	1,322	5.2	4.8	5.4	NO	YES
Central/South American	93	3.7	2.9	4.5	YES	NO
Cuban	4	5.0 ***	0.1	10.8	***	***
Mexican	1,185	5.3	5.0	5.6	NO	YES
Puerto Rican	13	6.4 ***	2.9	9.7	***	***
Other Hispanic/Latino	27	6.0	3.7	8.2	NO	NO
White	830	4.9	4.5	5.2	YES	NO
Other/Unknown	6	1.8 ***	0.4	3.2	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.

California Department of Health Services, Center for Health Statistics, Birth Records 2000.

NOTES:

Infant Mortality Rate (IMR) defined as deaths among infants under one year of age per 1,000 live births.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the IMR is not included in the Confidence Interval (C.I.) of the IMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 10 Infant Deaths	1999-2001 Rate
African American/Black	12.8
Laotian	10.0 ***
Samoan	8.5 ***
Other Pacific Islander	6.8 ***
Puerto Rican	6.4 ***
Pacific Islander	6.1
Other Hispanic/Latino	6.0
Hmong	5.8 ***
American Indian	5.6 ***
American Indian/Alaska Native	5.6 ***
California Total (All Racial and Ethnic Groups)	5.4
Mexican	5.3
Hispanic/Latino	5.2
Cuban	5.0 ***
Cambodian	5.0 ***
White	4.9
Healthy People 2010 Objective 16-1	4.5
Vietnamese	4.0
Filipino	3.9
Asian Indian	3.9
Asian/Pacific Islander	3.8
Central/South American	3.7
Asian	3.7
Other Asian	2.9 ***
Chinese	2.9
Native Hawaiian	2.8 ***
Korean	2.8 ***
Japanese	2.6 ***
Guamanian	2.5 ***
Thai	2.2 ***
Other/Unknown	1.8 ***
Alaska Native	0.0

SOURCES: CDHS/CHS, Birth and Death Statistical Master Files 1999-2001.

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Early Prenatal Care

Figure 11, Table 11, Summary Table 11

Healthy People 2010 objective 16-6 targets increases in the percentage of women delivering live infants who receive early prenatal care to a level of 90.0 per 100 live births (90.0 percent). This objective differs from other indicators in that it targets increases instead of reductions, and caution in interpretation is advised. The 1999-2001 California average was 83.1 percent, significantly lower than the HP2010 target of 90.0 percent.

CHS findings indicate that this objective was being achieved for only three of the 30 racial and ethnic populations having reliable rates (**Cubans, Chinese, and Japanese**). Early prenatal care percentages varied from a low of 56.0 for **Hmong** to a high of 92.3 for **Japanese**. The HP2010 objective was not being met for 27 racial and ethnic populations.

Among the six aggregated racial and ethnic groupings, the highest percentage of early prenatal care was found for **Whites** (88.6), followed by **Asians/Pacific Islanders** (85.6), **Others/Unknowns** (81.3), **African Americans/Blacks** (79.9), **Hispanics/ Latinos** (79.4), and **American Indians/Alaska Natives** (72.2). The percentages for **American Indians/Alaska Natives, Hispanics/Latinos, African Americans/Blacks, and Others/Unknowns** were significantly lower than both the statewide average and the HP2010 target. The percentages for **Asians/Pacific Islanders** and for **Whites** were significantly higher than the statewide average, but significantly lower than the HP2010 target.

For more information on early prenatal care, please visit the

CDHS Maternal and Child Health Branch Web sites at

<http://www.dhs.ca.gov/PCFH/mchb/documents/pdf/prenatalcareutilization-1998.pdf>

CDHS Center for Health Statistics Web site at

<http://www.dhs.ca.gov/hisp/chs/phweek/cprofile2003/cprofile2003.htm>

CDC Reproductive Health Information Source Web site at

http://www.cdc.gov/nccdphp/drh/sata_mchep.htm

HRSA Maternal and Child Health Bureau (MCHB) Web site at

http://www.mchb.hrsa.gov/chusa02/main_pages/page_60.htm

DHHS Healthy People 2010 Web site at

<http://www.healthypeople.gov/Publications/>

Figure 11
Early (First Trimester) Prenatal Care By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 90.0]

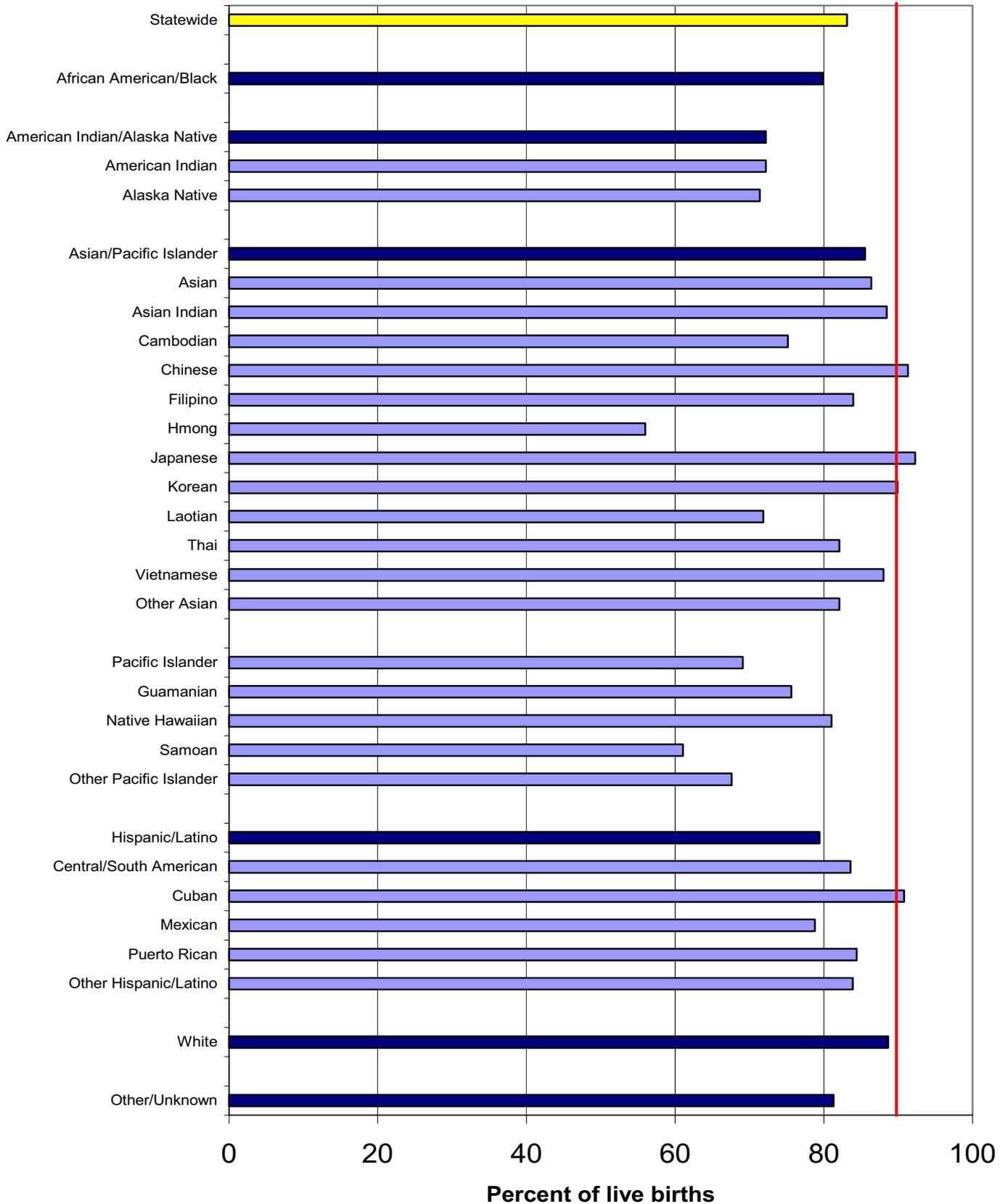


Table 11 Early (1st Trimester) Prenatal Care	3-Year Average N	Pct	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
Objective 16-6a							
Healthy People 2010 Target		90.0					
California Total	436,890	83.1		83.0	83.2		YES
African American/Black	26,722	79.9		79.5	80.3	YES	YES
American Indian/Alaska Native	1,678	72.2		70.4	74.1	YES	YES
American Indian	1,668	72.2		70.4	74.0	YES	YES
Alaska Native	10	71.4 ***		47.8	95.1	***	***
Asian/Pacific Islander	51,711	85.6		85.3	85.8	YES	YES
Asian	49,743	86.4		86.1	86.7	YES	YES
Asian Indian	5,882	88.5		87.7	89.2	YES	YES
Cambodian	1,197	75.2		73.0	77.3	YES	YES
Chinese	11,159	91.3		90.8	91.8	YES	YES
Filipino	12,357	84.0		83.4	84.6	YES	YES
Hmong	610	56.0		53.1	59.0	YES	YES
Japanese	2,695	92.3		91.3	93.3	YES	YES
Korean	3,840	89.9		89.0	90.8	YES	NO
Laotian	743	71.9		69.1	74.6	YES	YES
Thai	508	82.1		79.2	85.2	NO	YES
Vietnamese	7,486	88.0		87.3	88.7	YES	YES
Other Asian	3,267	82.1		80.9	83.3	NO	YES
Pacific Islander	1,968	69.1		67.4	70.8	YES	YES
Guamanian	200	75.6		70.6	80.9	YES	YES
Native Hawaiian	474	81.0		77.8	84.2	NO	YES
Samoaan	526	61.0		57.8	64.3	YES	YES
Other Pacific Islander	768	67.6		64.9	70.3	YES	YES
Hispanic/Latino	203,408	79.4		79.3	79.6	YES	YES
Central/South American	20,880	83.6		83.1	84.0	NO	YES
Cuban	662	90.8		88.7	92.9	YES	NO
Mexican	176,374	78.8		78.6	79.0	YES	YES
Puerto Rican	1,727	84.4		82.9	86.0	NO	YES
Other Hispanic/Latino	3,766	83.9		82.8	85.0	NO	YES
White	150,703	88.6		88.5	88.8	YES	YES
Other/Unknown	2,667	81.3		80.0	82.6	YES	YES

SOURCE:

California Department of Health Services, Center for Health Statistics, Birth Records 1999-2001.

NOTES:

Pct = Percent (rate per 100 live births) receiving prenatal care in first trimester.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the Pct is not included in the Confidence Interval (C.I.) of the Pct to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 11 Early Prenatal Care	1999-2001 Rate
Japanese	92.3
Chinese	91.3
Cuban	90.8
Healthy People 2010 Objective 16-6a	90.0
Korean	89.9
White	88.6
Asian Indian	88.5
Vietnamese	88.0
Asian	86.4
Asian/Pacific Islander	85.6
Puerto Rican	84.4
Filipino	84.0
Other Hispanic/Latino	83.9
Central/South American	83.6
California Total (All Racial and Ethnic Groups)	83.1
Other Asian	82.1
Thai	82.1
Other/Unknown	81.3
Native Hawaiian	81.0
African American/Black	79.9
Hispanic/Latino	79.4
Mexican	78.8
Guamanian	75.6
Cambodian	75.2
American Indian/Alaska Native	72.2
American Indian	72.2
Laotian	71.9
Alaska Native	71.4
Pacific Islander	69.1
Other Pacific Islander	67.6
Samoan	61.0
Hmong	56.0

SOURCES: CDHS/CHS, Birth Statistical Master Files 1999-2001.

Low Birth Weight

Figure 12, Table 12, Summary Table 12

Healthy People 2010 objective 16-10a targets reductions in the percentage of low birth weight births to a level of 5.0 per 100 live births (5.0 percent). The 1999-2001 California average was 6.2 percent, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for only one of the 29 racial and ethnic populations having reliable percentages (**Koreans**). Low birth weight percentages varied from a low of 4.8 for **Koreans** to a high of 11.7 for **African Americans/Blacks**. Unreliable data were found for only one of the 30 racial and ethnic populations on this indicator (**Alaska Natives**). The HP2010 objective was not being met for 28 racial and ethnic populations.

Among the six aggregated racial and ethnic groupings with reliable data, the highest percentage of low birth weight was found for **African Americans/ Blacks** (11.7), followed by **Others/Unknowns** (8.2), **Asians/Pacific Islanders** (7.0), **American Indians/Alaska Natives** (6.2), **Whites** (5.7), and **Hispanics/ Latinos** (5.6). The percentages for **African Americans/Blacks**, **Others/Unknowns**, and **Asians/Pacific Islanders** were significantly higher than both the statewide average and the HP2010 target. The percentages for **Whites** and for **Hispanics/ Latinos** were significantly higher than the HP2010 target, but significantly lower than the statewide average. The percentage for **American Indians/Alaska Natives** was also significantly higher than the HP2010 target, but not significantly different from the statewide average.

For more information on low birth weight, please visit the

CDHS Maternal and Child Health Branch Web site at
<http://www.dhs.ca.gov/PCFH/mchb/programs/bihp/lbwatlas.htm>

CDHS Center for Health Statistics Web site at
<http://www.dhs.ca.gov/hisp/chs/phweek/cprofile2003/cprofile2003.htm>

CDC National Center for Health Statistics Web site at
<http://www.cdc.gov/nchs/fastats/birthwt.htm>

DHHS Healthy People 2010 Web site at
<http://www.healthypeople.gov/Publications/>

Figure 12
Low Birth Weight By Race-Ethnicity
California, 1999-2001
[Healthy People 2010 Objective = 5.0]

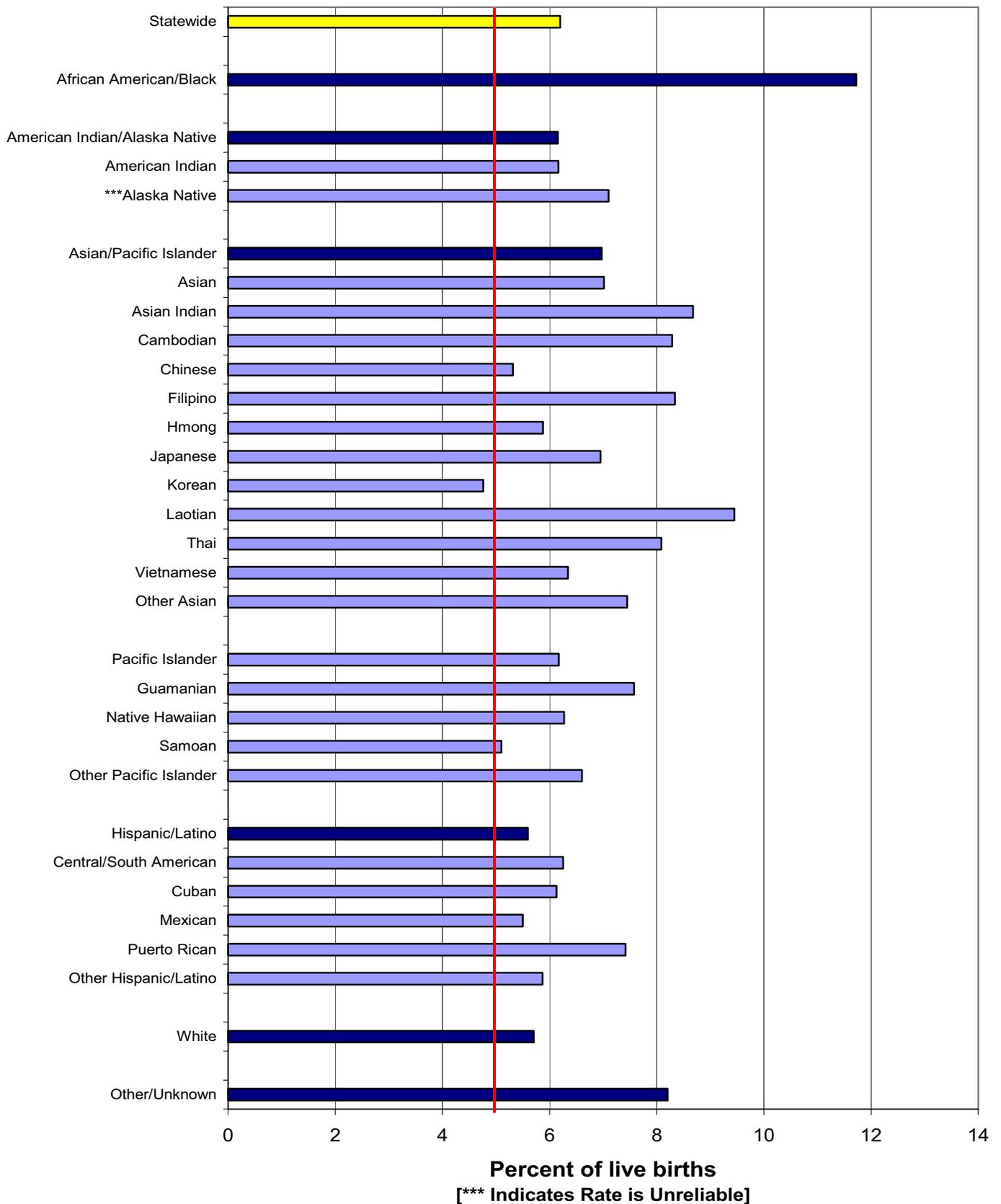


Table 12
Low Birth Weight (<2,500 grams)

	3-Year Average N	Average Pct	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
Objective 16-10a							
Healthy People 2010 Target		5.0					
California Total	32,572	6.2		6.1	6.3		YES
African American/Black	3,921	11.7		11.4	12.1	YES	YES
American Indian/Alaska Native	143	6.2		5.2	7.1	NO	YES
American Indian	142	6.2		5.2	7.1	NO	YES
Alaska Native	1	7.1 ***		0.0	20.6	***	***
Asian/Pacific Islander	4,215	7.0		6.8	7.2	YES	YES
Asian	4,039	7.0		6.8	7.2	YES	YES
Asian Indian	577	8.7		8.0	9.4	YES	YES
Cambodian	132	8.3		6.9	9.6	YES	YES
Chinese	649	5.3		4.9	5.7	YES	NO
Filipino	1,227	8.3		7.9	8.8	YES	YES
Hmong	64	5.9		4.5	7.3	NO	NO
Japanese	203	7.0		6.0	7.9	NO	YES
Korean	203	4.8		4.1	5.4	YES	NO
Laotian	98	9.4		7.7	11.3	YES	YES
Thai	50	8.1		5.9	10.2	NO	YES
Vietnamese	539	6.3		5.8	6.9	NO	YES
Other Asian	296	7.4		6.6	8.3	YES	YES
Pacific Islander	176	6.2		5.3	7.1	NO	YES
Guamanian	20	7.6		4.4	10.8	NO	NO
Native Hawaiian	37	6.3		4.4	8.3	NO	NO
Samoan	44	5.1		3.6	6.6	NO	NO
Other Pacific Islander	75	6.6		5.2	8.0	NO	YES
Hispanic/Latino	14,326	5.6		5.5	5.7	YES	YES
Central/South American	1,562	6.3		6.0	6.6	NO	YES
Cuban	45	6.1		4.4	7.9	NO	NO
Mexican	12,305	5.5		5.4	5.6	YES	YES
Puerto Rican	152	7.4		6.3	8.6	YES	YES
Other Hispanic/Latino	263	5.9		5.2	6.5	NO	YES
White	9,698	5.7		5.6	5.8	YES	YES
Other/Unknown	269	8.2		7.3	9.1	YES	YES

SOURCES:

California Department of Health Services, Center for Health Statistics, Birth Records 1999-2001.

NOTES:

Pct = Percent (rate per 100 live births) weighing less than 2,500 grams (5.5 lbs.).

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the Pct is not included in the Confidence Interval (C.I.) of the Pct to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 12 Low Birth Weight	1999-2001 Rate
African American/Black	11.7
Laotian	9.4
Asian Indian	8.7
Filipino	8.3
Cambodian	8.3
Other/Unknown	8.2
Thai	8.1
Guamanian	7.6
Other Asian	7.4
Puerto Rican	7.4
Alaska Native	7.1 ***
Asian	7.0
Asian/Pacific Islander	7.0
Japanese	7.0
Other Pacific Islander	6.6
Vietnamese	6.3
Native Hawaiian	6.3
Central/South American	6.3
California Total (All Racial and Ethnic Groups)	6.2
Pacific Islander	6.2
American Indian	6.2
American Indian/Alaska Native	6.2
Cuban	6.1
Hmong	5.9
Other Hispanic/Latino	5.9
White	5.7
Hispanic/Latino	5.6
Mexican	5.5
Chinese	5.3
Samoan	5.1
Healthy People 2010 Objective 16-10a	5.0
Korean	4.8

SOURCES: CDHS/CHS, Birth Statistical Master Files 1999-2001.

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Suicide Deaths

Figure 13, Table 13, Summary Table 13

Healthy People 2010 objective 18-1 targets reductions in suicide death rates to a level of 5.0 per 100,000 population. The 1999-2001 California average rate was 9.7 per 100,000 population, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for only three of the 12 racial and ethnic populations having reliable rates (**Mexicans, Hispanics/Latinos, and Filipinos**). The HP2010 objective was not being met for nine racial and ethnic populations. Death rates varied from a low of 4.4 for **Filipinos** to a high of 13.3 for **Whites**. Unreliable rates were found for 18 of the 30 racial and ethnic populations on this indicator.

Among the four aggregated racial and ethnic groupings with reliable rates, the highest suicide death rate was found for **Whites** (13.3), followed by **African Americans/Blacks** (6.5), **Asians/Pacific Islanders** (6.1), and **Hispanics/Latinos** (4.9). The suicide rates for **Whites** was significantly higher than both the statewide average rate and the HP2010 target. The death rates for **African Americans/Blacks** and **Asians/Pacific Islanders** were significantly higher than the HP2010 target, but significantly lower than the statewide average. The suicide rate for **Hispanics/Latinos** was significantly lower than the statewide average, but not significantly different from the HP2010 target.

For more information on suicide, please visit the

CDHS EpiCenter Web site at

http://www.applications.dhs.ca.gov/epicdata/content/ST_suicide.htm

CDHS Center for Health Statistics Web site at

<http://www.dhs.ca.gov/hisp/chs/phweek/cprofile2003/cprofile2003.htm>

California Department of Mental Health Web site at

<http://www.dmh.ca.gov/MHPC/docs/Master%20Plan/mstrplan.pdf>

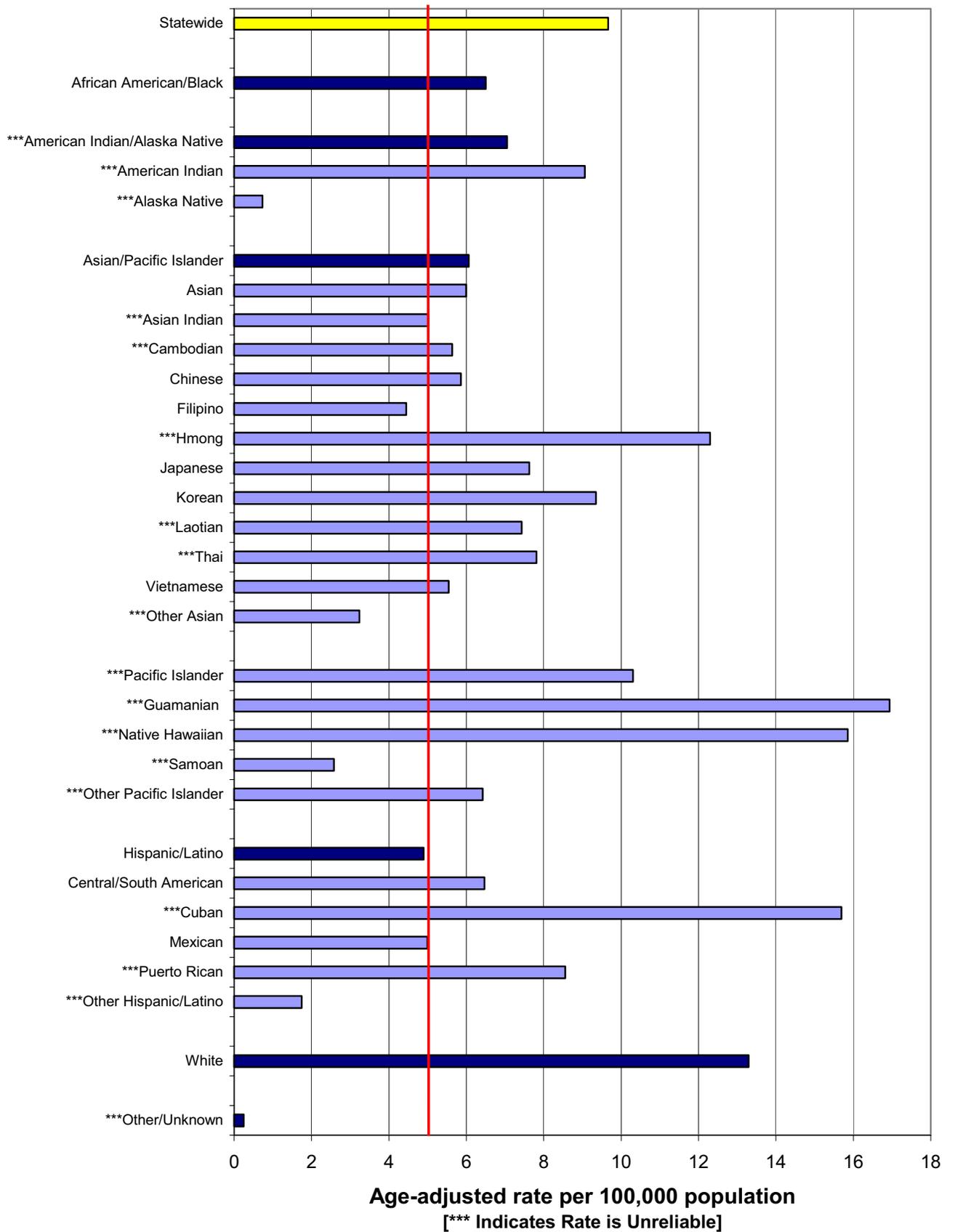
CDC National Center for Injury Prevention and Control Web site at

<http://www.cdc.gov/ncipc/factsheets/suifacts.htm>

DHHS Healthy People 2010 Web site at

<http://www.healthypeople.gov/Publications/>

Figure 13
Suicide Death Rates By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 5.0]



**Table 13
Suicide Deaths**

	3-Year Average N	AAMR	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
Objective 18-1 Healthy People 2010 Target		5.0					
California Total	3,138	9.7		9.3	10.0		YES
African American/Black	139	6.5		5.4	7.6	YES	YES
American Indian/Alaska Native	12	7.0	***	2.9	11.2	***	***
American Indian	12	9.1	***	3.7	14.5	***	***
Alaska Native	0	0.7	***	0.0	3.2	***	***
Asian/Pacific Islander	225	6.1		5.2	6.9	YES	YES
Asian	215	6.0		5.2	6.8	YES	YES
Asian Indian	14	5.0	***	1.9	8.1	***	***
Cambodian	3	5.6	***	0.0	12.2	***	***
Chinese	55	5.9		4.3	7.4	YES	NO
Filipino	42	4.4		3.1	5.8	YES	NO
Hmong	4	12.3	***	0.0	28.6	***	***
Japanese	26	7.6		4.6	10.7	NO	NO
Korean	33	9.3		6.0	12.7	NO	YES
Laotian	4	7.4	***	0.0	14.8	***	***
Thai	3	7.8	***	0.0	16.4	***	***
Vietnamese	26	5.5		3.2	7.9	YES	NO
Other Asian	4	3.2	***	0.0	7.1	***	***
Pacific Islander	10	10.3	***	4.1	16.5	***	***
Guamanian	4	16.9	***	0.0	34.5	***	***
Native Hawaiian	3	15.9	***	0.0	32.9	***	***
Samoan	1	2.6	***	0.0	7.7	***	***
Other Pacific Islander	2	6.4	***	0.0	14.8	***	***
Hispanic/Latino	452	4.9		4.4	5.4	YES	NO
Central/South American	52	6.5		4.6	8.4	YES	NO
Cuban	13	15.7	***	6.9	24.5	***	***
Mexican	356	5.0		4.4	5.6	YES	NO
Puerto Rican	11	8.6	***	3.3	13.8	***	***
Other Hispanic/Latino	20	1.7	***	0.9	2.6	***	***
White	2,307	13.3		12.7	13.8	YES	YES
Other/Unknown	3	0.2	***	0.0	0.6	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.
U.S. Census Bureau, Census 2000: Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

Suicide defined by ICD-10 codes X60-X84, Y87.0.

AAMR Age-Adjusted Mortality Rate; rate per 100,000 population adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 13 Suicide Deaths	1999-2001 Rate
Guamanian	16.9 ***
Native Hawaiian	15.9 ***
Cuban	15.7 ***
White	13.3
Hmong	12.3 ***
Pacific Islander	10.3 ***
California Total (All Racial and Ethnic Groups)	9.7
Korean	9.3
American Indian	9.1 ***
Puerto Rican	8.6 ***
Thai	7.8 ***
Japanese	7.6
Laotian	7.4 ***
American Indian/Alaska Native	7.0 ***
African American/Black	6.5
Central/South American	6.5
Other Pacific Islander	6.4 ***
Asian/Pacific Islander	6.1
Asian	6.0
Chinese	5.9
Cambodian	5.6 ***
Vietnamese	5.5
Healthy People 2010 Objective 18-1	5.0
Asian Indian	5.0 ***
Mexican	5.0
Hispanic/Latino	4.9
Filipino	4.4
Other Asian	3.2 ***
Samoan	2.6 ***
Other Hispanic/Latino	1.7 ***
Alaska Native	0.7 ***
Other/Unknown	0.2 ***

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
 U.S. Census Bureau, Census 2000 Summary Files 1 and
 2 (SF1 and SF2), Public Use Microdata Sample (PUMS).

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Chronic Lower Respiratory Disease Deaths

Figure 14, Table 14, Summary Table 14

Healthy People 2010 objective 24-10 targets reductions in deaths due to chronic lower respiratory disease (CLRD) among persons aged 45 years and older to a level of 60.0 per 100,000 population. The 1999-2001 California average rate was 127.9 per 100,000 population aged 45 and over, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for ten of the 18 racial and ethnic populations having reliable rates. The HP2010 objective was not being met for eight racial and ethnic populations. Death rates varied from a low of 0.0 for **Alaska Natives** to a high of 157.6 for **Whites**. Unreliable rates were found for 12 of the 30 racial and ethnic populations on this indicator.

Among the five aggregated racial and ethnic groupings with reliable rates, the highest CLRD death rate was found for **Whites** (157.6), followed by **American Indians/Alaska Natives** (116.8), **African Americans/Blacks** (115.5), **Asians/Pacific Islanders** (57.4), and **Hispanics/Latinos** (50.9). The death rate for **Whites** was significantly higher than both the statewide average rate and the HP2010 target. The death rate for **African Americans/Blacks** was significantly higher than the HP2010 target, but significantly lower than the statewide average. The death rate for **American Indians/Alaska Natives** was significantly higher than the HP2010 target, but not significantly different from the statewide average. The CLRD death rate for **Asians/Pacific Islanders** was significantly lower than the statewide average, but not significantly different from the HP2010 target. And the death rate for **Hispanics/Latinos** was significantly lower than both the statewide average rate and the HP2010 target.

For more information on CLRD, please visit the

CDHS Center for Health Statistics Web site at
<http://www.dhs.ca.gov/hisp/chs/OHIR/Publication/publicationindex.htm>

DHHS Healthy People 2010 Web site at
<http://www.healthypeople.gov/Publications/>

National Library of Medicine's Medline Plus Web site at
<http://www.nlm.nih.gov/medlineplus/copdchronicobstructivepulmonarydisease.html>

National Heart, Lung, and Blood Institute Web site at
http://www.nhlbi.nih.gov/health/public/lung/other/copd/copd_toc.htm

Figure 14
Chronic Lower Respiratory Disease Death Rates By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 60.0]

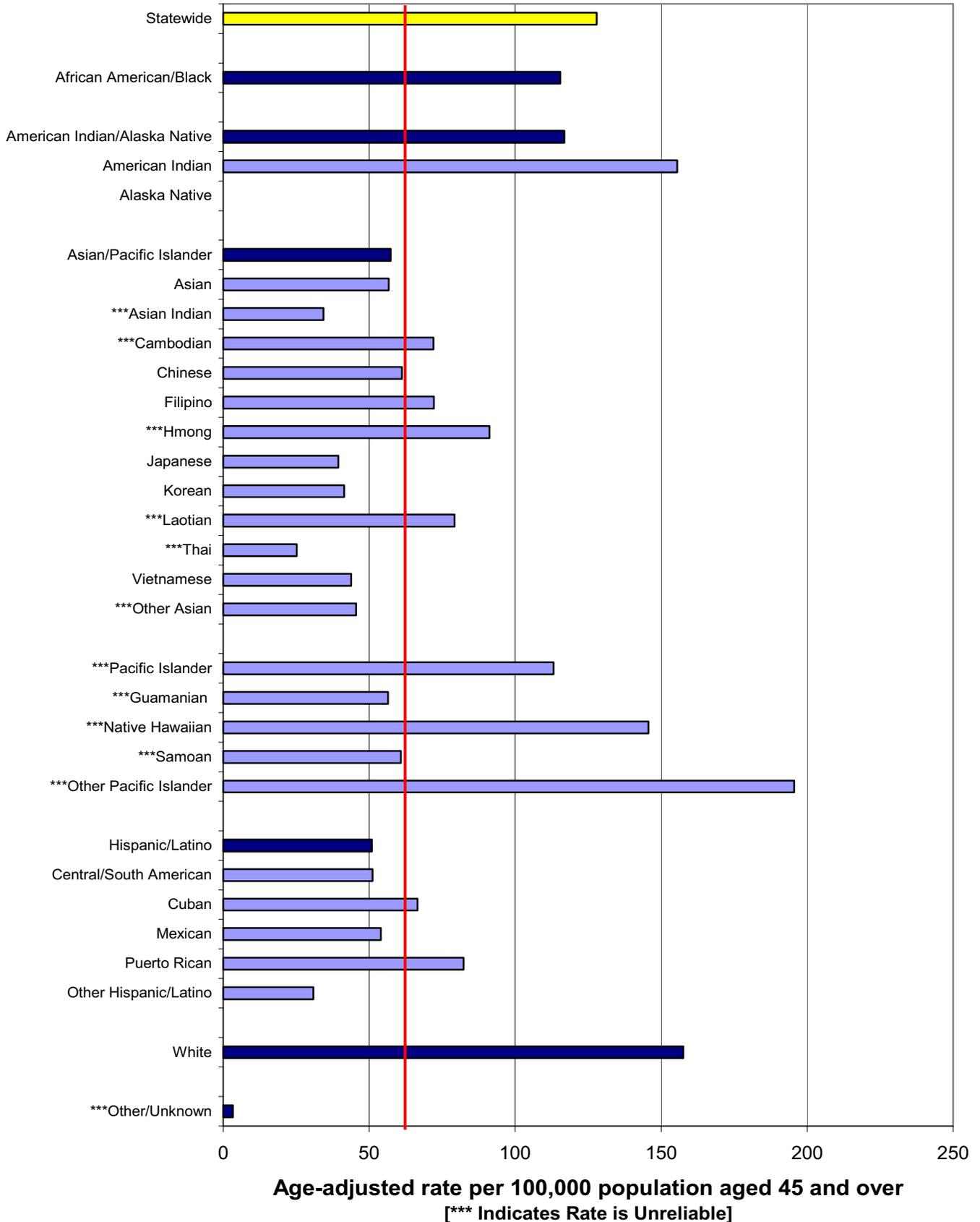


Table 14
CLRD Deaths (Ages 45 & Over)

	3-Year Average N	AAMR	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
Objective 24-10 Healthy People 2010 Target		60.0					
California Total	12,800	127.9		125.7	130.1		YES
African American/Black	616	115.5		106.2	124.7	YES	YES
American Indian/Alaska Native	44	116.8		81.8	151.9	NO	YES
American Indian	44	155.5		108.8	202.2	NO	YES
Alaska Native	0	0.0		0.0	0.0	YES	YES
Asian/Pacific Islander	578	57.4		52.7	62.1	YES	NO
Asian	559	56.7		52.0	61.4	YES	NO
Asian Indian	15	34.3 ***		16.7	51.9	***	***
Cambodian	7	72.0 ***		18.0	126.0	***	***
Chinese	191	61.2		52.6	69.9	YES	NO
Filipino	188	72.2		61.8	82.5	YES	YES
Hmong	5	91.2 ***		13.1	169.3	***	***
Japanese	63	39.4		29.7	49.2	YES	YES
Korean	34	41.4		27.5	55.4	YES	YES
Laotian	7	79.2 ***		18.8	139.6	***	***
Thai	1	25.2 ***		0.0	81.2	***	***
Vietnamese	37	43.8		29.4	58.3	YES	YES
Other Asian	10	45.5 ***		16.4	74.6	***	***
Pacific Islander	19	113.2 ***		60.4	165.9	***	***
Guamanian	2	56.4 ***		0.0	142.1	***	***
Native Hawaiian	7	145.6 ***		35.6	255.6	***	***
Samoan	3	60.9 ***		0.0	130.7	***	***
Other Pacific Islander	7	195.5 ***		44.5	346.5	***	***
Hispanic/Latino	697	50.9		47.1	54.7	YES	YES
Central/South American	54	51.1		37.3	64.9	YES	NO
Cuban	21	66.5		38.2	94.9	YES	NO
Mexican	530	54.0		49.3	58.6	YES	YES
Puerto Rican	24	82.3		49.5	115.1	YES	NO
Other Hispanic/Latino	67	30.9		23.5	38.3	YES	YES
White	10,858	157.6		154.6	160.6	YES	YES
Other/Unknown	5	3.3 ***		0.5	6.1	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.
U.S. Census Bureau, Census 2000: Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

Chronic Lower Respiratory Disease (CLRD) defined by ICD-10 codes J40-J47.

AAMR Age-Adjusted Mortality Rate; rate per 100,000 population adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 14
CLRD Deaths (Ages 45 & Over) 1999-2001
Rate

Other Pacific Islander	195.5 ***
White	157.6
American Indian	155.5
Native Hawaiian	145.6 ***
California Total (All Racial and Ethnic Groups)	127.9
American Indian/Alaska Native	116.8
African American/Black	115.5
Pacific Islander	113.2 ***
Hmong	91.2 ***
Puerto Rican	82.3
Laotian	79.2 ***
Filipino	72.2
Cambodian	72.0 ***
Cuban	66.5
Chinese	61.2
Samoan	60.9 ***
Healthy People 2010 Objective 24-10	60.0
Asian/Pacific Islander	57.4
Asian	56.7
Guamanian	56.4 ***
Mexican	54.0
Central/South American	51.1
Hispanic/Latino	50.9
Other Asian	45.5 ***
Vietnamese	43.8
Korean	41.4
Japanese	39.4
Asian Indian	34.3 ***
Other Hispanic/Latino	30.9
Thai	25.2 ***
Other/Unknown	3.3 ***
Alaska Native	0.0

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
U.S. Census Bureau, Census 2000 Summary Files 1 and
2 (SF1 and SF2), Public Use Microdata Sample (PUMS).

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Cirrhosis Deaths

Figure 15, Table 15, Summary Table 15

Healthy People 2010 objective 26-2 targets reductions in deaths due to cirrhosis to a level of 3.0 per 100,000 population. The 1999-2001 California average rate was 12.0 per 100,000 population, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for only two of the 12 racial and ethnic populations having reliable rates (**Chinese** and **Filipino**). The HP2010 objective was not being met for ten racial and ethnic populations. Cirrhosis death rates varied from a low of 2.6 for **Chinese** to a high of 39.1 for **American Indians**. Unreliable rates were found for 18 of the 30 racial and ethnic populations on this indicator.

Among the five aggregated racial and ethnic groupings with reliable rates, the highest cirrhosis death rate was found for **American Indians/Alaska Natives** (30.2), followed by **Hispanics/Latinos** (19.4), **African Americans/Blacks** (12.3), **Whites** (11.7), and **Asians/Pacific Islanders** (3.8). The cirrhosis death rates for **American Indians/Alaska Natives** and for **Hispanics/Latinos** were significantly higher than both the statewide average rate and the HP2010 target. The death rate for **Asians/Pacific Islanders** was significantly lower than the statewide average, but not significantly different from the HP2010 target. Death rates for **African Americans/Blacks** and for **Whites** were significantly higher than the HP2010 target, but not significantly different from the statewide average.

For more information on cirrhosis, please visit the

CDHS Center for Health Statistics Web site at

<http://www.dhs.ca.gov/hisp/chs/OHIR/Publication/publicationindex.htm>

DHHS Healthy People 2010 Web site at

<http://www.healthypeople.gov/Publications/>

National Digestive Diseases Information Clearinghouse Web site at

<http://digestive.niddk.nih.gov/ddiseases/pubs/cirrhosis/index.htm>

National Library of Medicine's Medline Plus Web site at

<http://www.nlm.nih.gov/medlineplus/cirrhosis.html>

Figure 15
Cirrhosis Death Rates By Race-Ethnicity
California, 1999-2001
[Healthy People 2010 Objective = 3.0]

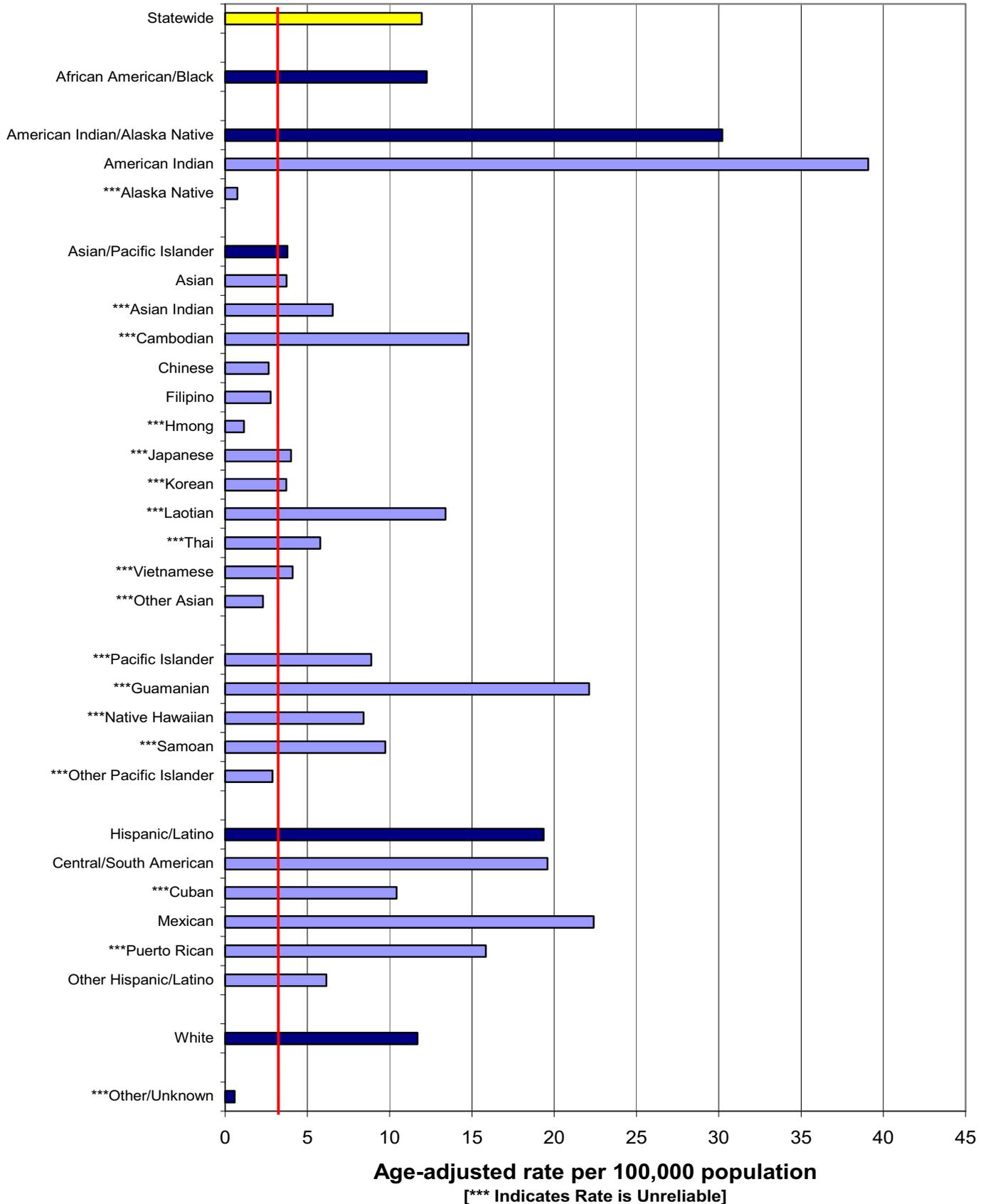


Table 15
Cirrhosis Deaths

	3-Year Average N	AAMR	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
Objective 26-2							
Healthy People 2010 Target		3.0					
California Total	3,659	12.0		11.6	12.3		YES
African American/Black	223	12.3		10.6	13.9	NO	YES
American Indian/Alaska Native	50	30.2		21.5	38.9	YES	YES
American Indian	50	39.1		27.8	50.4	YES	YES
Alaska Native	0	0.7 ***		0.0	3.3	***	***
Asian/Pacific Islander	121	3.8		3.1	4.5	YES	YES
Asian	115	3.7		3.0	4.4	YES	YES
Asian Indian	15	6.5 ***		3.0	10.0	***	***
Cambodian	6	14.8 ***		1.4	28.2	***	***
Chinese	23	2.6		1.5	3.7	YES	NO
Filipino	21	2.8		1.6	4.0	YES	NO
Hmong	0	1.1 ***		0.0	5.0	***	***
Japanese	17	4.0 ***		2.1	6.0	***	***
Korean	11	3.7 ***		1.4	6.0	***	***
Laotian	5	13.4 ***		0.5	26.3	***	***
Thai	2	5.8 ***		0.0	17.1	***	***
Vietnamese	13	4.1 ***		1.7	6.5	***	***
Other Asian	2	2.3 ***		0.0	5.4	***	***
Pacific Islander	6	8.9 ***		0.7	17.0	***	***
Guamanian	2	22.1 ***		0.0	71.7	***	***
Native Hawaiian	2	8.4 ***		0.0	21.3	***	***
Samoan	2	9.7 ***		0.0	23.8	***	***
Other Pacific Islander	1	2.9 ***		0.0	10.4	***	***
Hispanic/Latino	1,080	19.4		18.1	20.6	YES	YES
Central/South American	97	19.6		15.2	24.0	YES	YES
Cuban	9	10.4 ***		3.5	17.3	***	***
Mexican	909	22.4		20.8	24.0	YES	YES
Puerto Rican	16	15.8 ***		7.8	23.8	***	***
Other Hispanic/Latino	50	6.2		4.4	7.9	YES	YES
White	2,180	11.7		11.2	12.2	NO	YES
Other/Unknown	4	0.6 ***		0.0	1.2	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.
U.S. Census Bureau, Census 2000: Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

Cirrhosis defined by ICD-10 codes K70, K73, K74.

AAMR Age-Adjusted Mortality Rate; rate per 100,000 population adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 15 Cirrhosis Deaths	1999-2001 Rate
American Indian	39.1
American Indian/Alaska Native	30.2
Mexican	22.4
Guamanian	22.1 ***
Central/South American	19.6
Hispanic/Latino	19.4
Puerto Rican	15.8 ***
Cambodian	14.8 ***
Laotian	13.4 ***
African American/Black	12.3
California Total (All Racial and Ethnic Groups)	12.0
White	11.7
Cuban	10.4 ***
Samoan	9.7 ***
Pacific Islander	8.9 ***
Native Hawaiian	8.4 ***
Asian Indian	6.5 ***
Other Hispanic/Latino	6.2
Thai	5.8 ***
Vietnamese	4.1 ***
Japanese	4.0 ***
Asian/Pacific Islander	3.8
Asian	3.7
Korean	3.7 ***
Healthy People 2010 Objective 26-2	3.0
Other Pacific Islander	2.9 ***
Filipino	2.8
Chinese	2.6
Other Asian	2.3 ***
Hmong	1.1 ***
Alaska Native	0.7 ***
Other/Unknown	0.6 ***

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
U.S. Census Bureau, Census 2000 Summary Files 1 and
2 (SF1 and SF2), Public Use Microdata Sample (PUMS).

NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Drug-Induced Deaths

Figure 16, Table 16, Summary Table 16

Healthy People 2010 objective 26-3 targets reductions in drug-induced deaths to a level of 1.0 per 100,000 population. The 1999-2001 California average rate was 8.6 per 100,000 population, significantly higher than the HP2010 target.

CHS findings indicate that this objective was being achieved for only two of the ten racial and ethnic populations having reliable rates. The HP2010 objective was not being met for eight racial and ethnic populations. Drug-induced death rates varied from a low of 0.0 for **Cambodians** and **Hmong** to a high of 13.7 for **African Americans/Blacks**. Unreliable rates were found for 20 of the 30 racial and ethnic populations on this indicator.

Among the four aggregated racial and ethnic groupings with reliable rates, the highest drug-induced death rate was found for **African Americans/Blacks** (13.7), followed by **Whites** (11.2), **Hispanics/Latinos** (8.4), and **Asians/Pacific Islanders** (1.3). The death rates for **African Americans/Blacks** and for **Whites** were significantly higher than both the statewide average rate and the HP2010 target. The death rate for **Asians/Pacific Islanders** was significantly lower than the statewide average, but not significantly different from the HP2010 target. The drug-induced death rate for **Hispanics/Latinos** was significantly lower than the statewide average, but significantly higher than the HP2010 target.

For more information on drug-induced and drug-related deaths, please visit the

CDHS Center for Health Statistics Web site at

<http://www.dhs.ca.gov/hisp/chs/OHIR/Publication/publicationindex.htm>

DHHS Healthy People 2010 Web site at

<http://www.healthypeople.gov/Publications/>

National Institute on Drug Abuse Web site at

<http://www.nida.nih.gov/NIDAHome.html>

Figure 16
Drug-Induced Death Rates By Race-Ethnicity
California, 1999-2001
 [Healthy People 2010 Objective = 1.0]

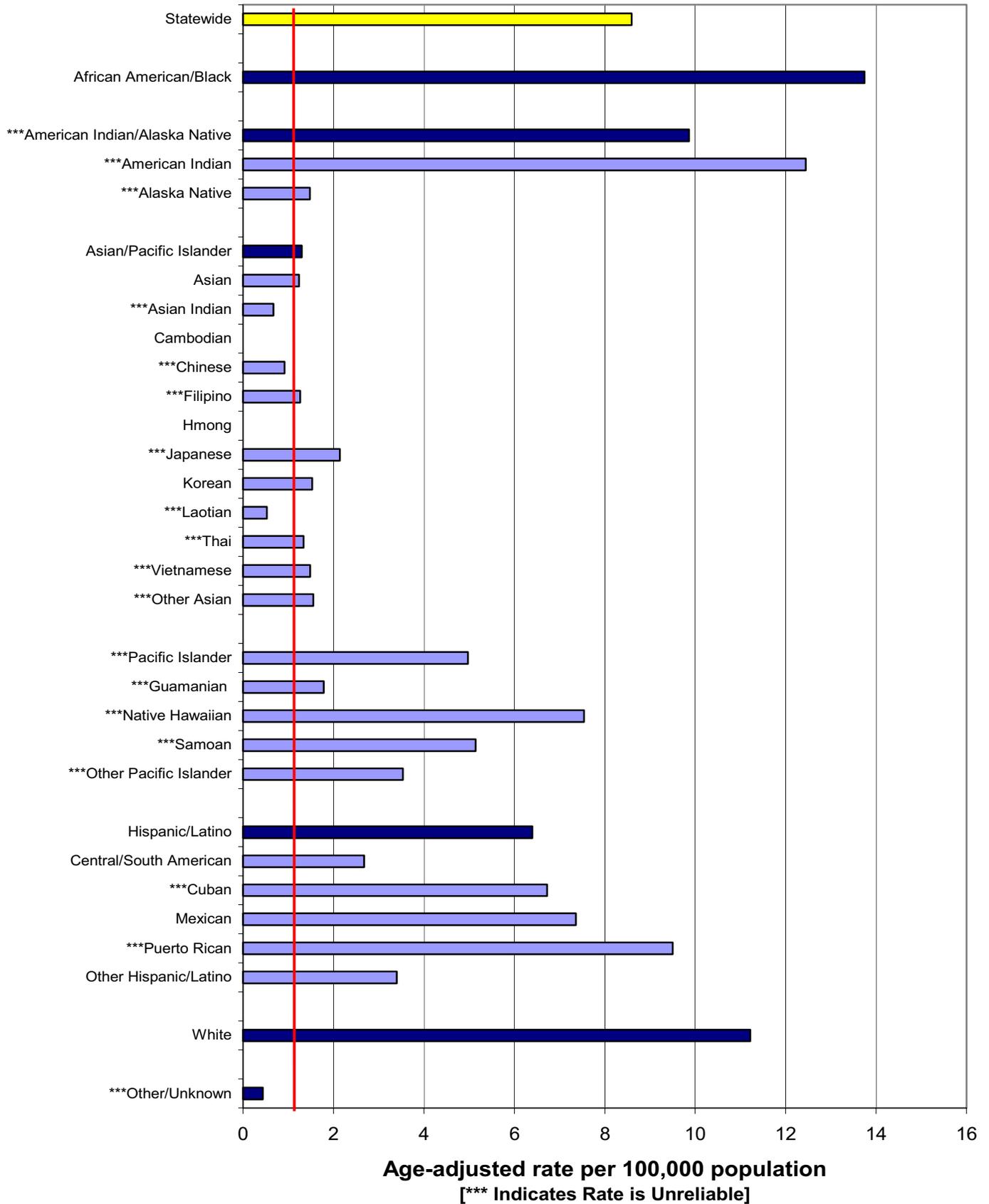


Table 16
Drug-Induced Deaths

	3-Year Average N	AAMR	RSE	Lower 95% C.I.	Upper 95% C.I.	Sig Dif From CA Rate?	Sig Dif From HP2010 Target?
Objective 26-3							
Healthy People 2010 Target		1.0					
California Total	2,853	8.6		8.3	8.9		YES
African American/Black	288	13.7		12.1	15.3	YES	YES
American Indian/Alaska Native	18	9.9 ***		5.3	14.5	***	***
American Indian	18	12.4 ***		6.5	18.4	***	***
Alaska Native	0	1.5 ***		0.0	5.0	***	***
Asian/Pacific Islander	50	1.3		0.9	1.7	YES	NO
Asian	45	1.2		0.9	1.6	YES	NO
Asian Indian	3	0.7 ***		0.0	1.5	***	***
Cambodian	0	0.0		-	-	YES	YES
Chinese	9	0.9 ***		0.3	1.5	***	***
Filipino	12	1.3 ***		0.5	2.0	***	***
Hmong	0	0.0		-	-	YES	YES
Japanese	7	2.1 ***		0.6	3.7	***	***
Korean	6	1.5 ***		0.2	2.8	***	***
Laotian	0	0.5 ***		0.0	2.3	***	***
Thai	0	1.3 ***		0.0	4.6	***	***
Vietnamese	6	1.5 ***		0.2	2.8	***	***
Other Asian	2	1.6 ***		0.0	3.9	***	***
Pacific Islander	5	5.0 ***		0.4	9.5	***	***
Guamanian	0	1.8 ***		0.0	7.8	***	***
Native Hawaiian	2	7.5 ***		0.0	19.0	***	***
Samoan	2	5.1 ***		0.0	13.1	***	***
Other Pacific Islander	1	3.5 ***		0.0	10.7	***	***
Hispanic/Latino	573	6.4		5.8	7.0	YES	YES
Central/South American	23	2.7		1.5	3.8	YES	YES
Cuban	5	6.7 ***		0.8	12.7	***	***
Mexican	494	7.4		6.7	8.1	YES	YES
Puerto Rican	13	9.5 ***		4.2	14.8	***	***
Other Hispanic/Latino	39	3.4		2.3	4.5	YES	YES
White	1,920	11.2		10.7	11.7	YES	YES
Other/Unknown	4	0.4 ***		0.0	0.9	***	***

SOURCES:

California Department of Health Services, Center for Health Statistics, Death Records 1999-2001.

U.S. Census Bureau, Census 2000: Summary Files 1 and 2; 5-Percent Public Use Microdata Sample.

NOTES:

Drug-induced deaths are defined by ICD-10 codes F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, X40-X44, X60-X64, X85, Y10-Y14.

AAMR Age-Adjusted Mortality Rate; rate per 100,000 population adjusted by the direct method using the 2000 U.S. population standard.

*** Unreliable rate, Relative Standard Error (RSE) greater than 23 percent.

If the AAMR is not included in the Confidence Interval (C.I.) of the AAMR to be compared, then there is a statistically significant difference.

Sentinel Health Indicators for California's Multicultural Populations

Summary Table 16 Drug-Induced Deaths	1999-2001 Rate
African American/Black	13.7
American Indian	12.4 ***
White	11.2
American Indian/Alaska Native	9.9 ***
Puerto Rican	9.5 ***
California Total (All Racial and Ethnic Groups)	8.6
Native Hawaiian	7.5 ***
Mexican	7.4
Cuban	6.7 ***
Hispanic/Latino	6.4
Samoan	5.1 ***
Pacific Islander	5.0 ***
Other Pacific Islander	3.5 ***
Other Hispanic/Latino	3.4
Central/South American	2.7
Japanese	2.1 ***
Guamanian	1.8 ***
Other Asian	1.6 ***
Korean	1.5 ***
Vietnamese	1.5 ***
Alaska Native	1.5 ***
Thai	1.3 ***
Asian/Pacific Islander	1.3
Filipino	1.3 ***
Asian	1.2
Healthy People 2010 Objective 26-3	1.0
Chinese	0.9 ***
Asian Indian	0.7 ***
Laotian	0.5 ***
Other/Unknown	0.4 ***
Cambodian	0.0
Hmong	0.0

SOURCES: CDHS/CHS, Death Statistical Master Files 1999-2001;
 U.S. Census Bureau, Census 2000 Summary Files 1 and
 2 (SF1 and SF2), Public Use Microdata Sample (PUMS).
 NOTE: *** indicates rate is unreliable (See *Technical Notes*)

Summary Table A: California Population 2000, Total by Race-Ethnicity and Age Group

TOTAL Race-Ethnicity	Age Group											
	Total	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 >
Total, All Race/Ethnic Groups	33,871,648	483,143	2,003,838	5,296,702	4,832,176	5,229,062	5,485,341	4,331,635	2,614,093	1,887,823	1,282,178	425,657
African American/Black, non-Hispanic	2,181,926	29,598	130,518	389,975	318,417	327,088	376,974	268,363	161,448	103,212	57,472	18,861
American Indian/Alaska Native, non-Hispanic	178,984	2,116	9,469	28,914	27,309	26,124	31,426	26,079	14,954	7,762	3,726	1,105
American Indian	135,880	1,429	6,758	21,649	20,716	19,960	24,097	20,013	11,820	5,935	2,668	836
Alaska Native	43,104	687	2,711	7,265	6,593	6,164	7,329	6,066	3,134	1,827	1,058	269
Asian/Pacific Islander, non-Hispanic	3,752,596	42,307	179,920	503,147	556,967	645,662	643,472	525,039	298,922	215,207	113,356	28,597
Asian, non-Hispanic	3,648,860	40,871	173,595	484,510	538,542	627,484	626,085	513,304	292,446	211,740	112,027	28,256
Asian Indian	314,221	5,598	21,790	42,941	43,561	80,662	51,357	34,734	18,966	9,721	3,984	907
Cambodian	73,478	910	4,086	18,460	16,120	9,691	9,827	7,170	3,899	2,176	912	229
Chinese	928,876	9,269	41,883	109,571	122,649	147,855	170,637	139,998	74,270	66,164	36,517	10,064
Filipino	919,129	9,421	40,823	120,829	137,601	141,751	157,184	137,791	81,394	55,005	30,040	7,292
Hmong	68,403	1,643	6,211	23,643	15,935	6,787	6,225	3,922	2,045	1,098	736	158
Japanese	291,049	1,707	6,553	18,828	28,711	44,967	52,938	46,485	31,559	34,365	20,186	4,751
Korean	351,406	3,055	14,088	46,188	53,205	61,814	63,740	48,761	31,767	18,033	8,482	2,271
Laotian	61,631	692	3,951	14,011	13,300	8,560	8,928	6,032	3,384	1,589	962	223
Thai	37,644	202	547	3,862	7,374	6,207	6,721	8,441	3,245	732	285	29
Vietnamese	453,152	5,966	24,493	65,709	71,702	91,000	74,392	59,555	32,329	18,242	7,731	2,034
Other Asian	149,870	2,409	9,170	20,470	28,385	28,190	24,137	20,417	9,587	4,614	2,193	299
Pacific Islander, non-Hispanic	103,736	1,436	6,325	18,637	18,425	18,178	17,387	11,735	6,476	3,467	1,329	341
Guamanian	18,405	220	785	2,203	2,870	3,494	3,831	2,519	1,437	696	313	37
Native Hawaiian	18,993	175	407	2,623	2,985	3,061	3,939	2,703	1,561	1,077	332	131
Samoaan	36,219	611	2,588	7,915	6,895	6,015	5,037	3,609	2,073	957	407	112
Other Pacific Islander	30,119	430	2,545	5,896	5,675	5,608	4,580	2,905	1,405	737	277	61
Hispanic/Latino	10,966,556	234,409	953,469	2,280,201	2,011,159	2,037,046	1,581,468	922,954	473,081	296,106	137,917	38,746
Central/South American	738,152	8,686	35,157	92,957	125,977	161,895	148,558	87,033	42,042	22,939	10,003	2,905
Cuban	72,286	723	3,126	8,658	8,049	10,504	13,046	8,438	7,643	6,935	3,769	1,395
Mexican	8,455,926	189,333	768,099	1,809,071	1,580,236	1,575,415	1,170,763	680,246	344,665	214,716	97,306	26,076
Puerto Rican	140,570	2,317	9,384	24,085	22,939	23,470	23,296	15,684	8,927	6,213	3,185	1,070
Other Hispanic/Latino	1,559,622	33,350	137,703	345,430	273,958	265,762	225,805	131,553	69,804	45,303	23,654	7,300
White, non-Hispanic	15,816,790	150,907	637,565	1,879,486	1,755,066	2,055,428	2,716,173	2,492,751	1,613,275	1,232,017	951,354	332,768
Other/Unknown, non-Hispanic	974,796	23,806	92,897	214,979	163,258	137,714	135,828	96,449	52,413	33,519	18,353	5,580

SOURCES: U.S. Census Bureau, Census 2000; American FactFinder, Summary Files 1 and 2, Detailed Tables; 5-Percent Public Use Microdata Sample (PUMS) for California.

Gray highlighted areas show where subpopulations estimates were synthetically developed from the 5-Percent Public Use Microdata Sample (PUMS) file for California 2000.

<http://www.census.gov/prod/cen2000/doc/pums.pdf>

<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

NOTES: Data for **African American/Black**, **American Indian/Alaska Native**, **Asian/Pacific Islander**, **White**, and **Other/Unknown** are non-Hispanic;

* Subpopulation data within each of the five major non-Hispanic groupings listed above are by "race alone" and contain synthetic estimates for 11 Asian subpopulations, 4 Pacific Islander subpopulations, and 2 American Indian/Alaska Native subpopulations of non-Hispanic ethnicity.

Summary Table B: California Population 2000, Males by Race-Ethnicity and Age Group

MALE Race-Ethnicity	Age Group											
	Total	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 >
Total Males, All Race/Ethnic Groups	16,874,892	247,825	1,025,059	2,713,615	2,517,156	2,693,800	2,772,494	2,133,761	1,257,308	854,703	524,989	134,182
African American/Black, non-Hispanic	1,070,200	15,017	66,419	198,084	163,344	163,265	187,299	128,746	75,394	45,467	21,864	5,301
American Indian/Alaska Native, non-Hispanic	88,343	1,093	4,841	14,791	14,089	13,168	15,319	12,423	7,175	3,595	1,497	352
American Indian	66,022	758	3,559	10,801	10,537	9,911	11,393	9,454	5,583	2,653	1,058	313
Alaska Native	22,321	335	1,282	3,990	3,552	3,257	3,926	2,969	1,592	942	439	39
Asian/Pacific Islander, non-Hispanic	1,806,303	21,769	92,539	259,768	281,440	312,673	304,285	243,639	138,018	92,314	48,466	11,392
Asian, non-Hispanic	1,754,266	21,011	89,288	250,223	272,033	303,631	295,576	237,799	134,866	90,663	47,908	11,268
Asian Indian	166,114	2,859	11,248	21,967	22,193	42,480	28,651	19,412	10,241	4,844	1,760	459
Cambodian	34,936	524	1,995	9,480	8,035	4,335	4,315	3,269	1,740	787	408	49
Chinese	445,564	4,795	21,010	57,154	61,963	68,515	80,822	65,372	33,881	31,394	17,063	3,595
Filipino	428,314	4,870	21,453	62,455	70,435	68,106	68,530	60,039	35,459	21,120	12,440	3,406
Hmong	33,647	674	3,154	11,804	7,775	3,497	2,951	2,188	822	484	234	65
Japanese	130,953	826	3,157	9,503	13,938	20,615	25,835	21,094	13,766	11,902	8,373	1,943
Korean	165,430	1,836	7,640	23,948	26,811	29,843	28,013	21,901	14,597	7,363	2,843	636
Laotian	31,868	402	2,079	7,670	6,980	4,030	4,360	3,299	1,754	728	515	51
Thai	16,818	85	304	2,310	4,128	2,478	2,460	3,499	1,295	176	83	0
Vietnamese	226,053	2,920	12,612	33,598	35,366	45,858	37,768	27,867	16,452	9,407	3,310	896
Other Asian	74,569	1,220	4,636	10,334	14,411	13,874	11,871	9,859	4,860	2,458	879	168
Pacific Islander, non-Hispanic	52,037	758	3,251	9,545	9,407	9,042	8,709	5,840	3,152	1,651	558	124
Guamanian	9,511	73	495	1,065	1,545	1,757	2,029	1,273	700	385	189	0
Native Hawaiian	9,677	99	207	1,283	1,504	1,764	2,067	1,240	776	567	117	54
Samoan	18,008	332	1,323	4,138	3,602	2,784	2,534	1,763	976	354	133	70
Other Pacific Islander	14,841	254	1,225	3,058	2,757	2,737	2,079	1,564	701	346	120	0
Hispanic/Latino	5,615,031	120,164	486,419	1,165,367	1,072,107	1,083,717	814,390	454,108	220,609	129,294	56,054	12,802
Central/South American	356,945	4,453	17,856	47,357	65,504	84,140	71,272	38,301	16,709	7,666	2,942	745
Cuban	36,415	364	1,632	4,385	4,159	5,563	7,136	4,352	3,704	3,192	1,505	423
Mexican	4,380,494	97,077	391,705	925,879	849,519	847,868	613,521	342,039	165,464	96,964	41,401	9,057
Puerto Rican	69,823	1,147	4,743	12,072	11,625	11,908	11,871	7,824	4,228	2,883	1,201	321
Other Hispanic/Latino	771,354	17,123	70,483	175,674	141,300	134,238	110,590	61,592	30,504	18,589	9,005	2,256
White, non-Hispanic	7,808,258	77,561	327,482	966,575	904,451	1,051,822	1,382,686	1,246,859	790,544	568,602	389,307	102,369
Other/Unknown, non-Hispanic	486,757	12,221	47,359	109,030	81,725	69,155	68,515	47,986	25,568	15,431	7,801	1,966

Summary Table C: California Population 2000, Females by Race-Ethnicity and Age Group

FEMALE Race-Ethnicity	Age Group											
	Total	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 >
Total Females, All Race/Ethnic Groups	16,996,756	235,318	978,779	2,583,087	2,315,020	2,535,262	2,712,847	2,197,874	1,356,785	1,033,120	757,189	291,475
African American/Black, non-Hispanic	1,111,726	14,581	64,099	191,891	155,073	163,823	189,675	139,617	86,054	57,745	35,608	13,560
American Indian/Alaska Native, non-Hispanic	90,641	1,023	4,628	14,123	13,220	12,956	16,107	13,656	7,779	4,167	2,229	753
American Indian	69,859	671	3,200	10,848	10,178	10,048	12,703	10,560	6,236	3,282	1,609	522
Alaska Native	20,782	352	1,428	3,275	3,042	2,908	3,404	3,096	1,543	885	620	231
Asian/Pacific Islander, non-Hispanic	1,946,293	20,538	87,381	243,379	275,527	332,989	339,187	281,400	160,904	122,893	64,890	17,205
Asian, non-Hispanic	1,894,594	19,860	84,307	234,287	266,509	323,853	330,509	275,505	157,580	121,077	64,119	16,988
Asian Indian	148,107	2,738	10,543	20,974	21,368	38,181	22,706	15,323	8,725	4,877	2,224	447
Cambodian	38,542	385	2,091	8,980	8,086	5,356	5,512	3,901	2,159	1,390	504	180
Chinese	483,313	4,474	20,873	52,417	60,686	79,339	89,815	74,625	40,389	34,770	19,454	6,469
Filipino	490,815	4,551	19,370	58,374	67,166	73,645	88,654	77,751	45,935	33,885	17,600	3,885
Hmong	34,755	969	3,057	11,840	8,160	3,290	3,274	1,733	1,223	614	503	92
Japanese	160,096	881	3,396	9,324	14,773	24,352	27,103	25,391	17,793	22,463	11,813	2,808
Korean	185,975	1,219	6,448	22,239	26,394	31,972	35,727	26,860	17,171	10,671	5,639	1,635
Laotian	29,764	289	1,872	6,341	6,320	4,531	4,568	2,734	1,630	861	447	172
Thai	20,826	117	243	1,552	3,246	3,729	4,261	4,942	1,950	556	202	29
Vietnamese	227,099	3,047	11,881	32,111	36,336	45,143	36,624	31,687	15,877	8,835	4,421	1,138
Other Asian	75,301	1,189	4,534	10,136	13,974	14,316	12,266	10,558	4,727	2,156	1,314	131
Pacific Islander, non-Hispanic	51,699	678	3,074	9,092	9,018	9,136	8,678	5,895	3,324	1,816	771	217
Guamanian	8,895	147	289	1,138	1,325	1,737	1,802	1,246	737	311	124	37
Native Hawaiian	9,316	76	200	1,339	1,480	1,297	1,872	1,463	785	511	216	77
Samoan	18,211	279	1,264	3,777	3,294	3,232	2,504	1,845	1,097	603	274	42
Other Pacific Islander	15,277	175	1,320	2,838	2,919	2,870	2,501	1,340	704	391	157	61
Hispanic/Latino	5,351,525	114,245	467,050	1,114,834	939,052	953,329	767,078	468,846	252,472	166,812	81,863	25,944
Central/South American	381,207	4,233	17,301	45,600	60,473	77,755	77,286	48,732	25,333	15,273	7,061	2,160
Cuban	35,871	359	1,494	4,273	3,890	4,941	5,910	4,086	3,939	3,743	2,264	972
Mexican	4,075,432	92,256	376,394	883,192	730,717	727,547	557,242	338,207	179,201	117,752	55,905	17,019
Puerto Rican	70,747	1,170	4,641	12,013	11,314	11,562	11,425	7,860	4,699	3,330	1,984	749
Other Hispanic/Latino	788,268	16,227	67,220	169,756	132,658	131,524	115,215	69,961	39,300	26,714	14,649	5,044
White, non-Hispanic	8,008,532	73,346	310,083	912,911	850,615	1,003,606	1,333,487	1,245,892	822,731	663,415	562,047	230,399
Other/Unknown, non-Hispanic	488,039	11,585	45,538	105,949	81,533	68,559	67,313	48,463	26,845	18,088	10,552	3,614

Summary Table D: Sentinel Health Indicators for 30 Racial and Ethnic Populations Compared with HP2010 Objectives

	Lung Cancer Deaths	Female Breast Cancer Deaths	Prostate Cancer Deaths	Diabetes Deaths	Coronary Heart Disease Deaths	Stroke Deaths	HIV Infection Deaths	Unintended Injury Deaths	Homicide Deaths	Infant Deaths	Early Prenatal Care	Low Birth Weight	Suicide Deaths	CLRD Deaths	Cirrhosis Deaths	Drug Induced Deaths
California Average 1999-2001	Sig +	Sig +	Sig -	Sig +	Sig +	Sig +	Sig +	Sig +	Sig +	Sig +	Sig -	Sig +	Sig +	Sig +	Sig +	Sig +
African American/Black	Sig +	Sig +	Sig +	Sig +	Sig +	Sig +	Sig +	Sig +	Sig +	Sig +	Sig -	Sig +	Sig +	Sig +	Sig +	Sig +
American Indian/Alaska Native	n.s.	***	***	Sig +	n.s.	n.s.	***	Sig +	***	***	Sig -	Sig +	***	Sig +	Sig +	***
American Indian	n.s.	***	***	Sig +	Sig +	Sig +	***	Sig +	***	***	Sig -	Sig +	***	Sig +	Sig +	***
Alaska Native	***	Sig -	Sig -	Sig -	***	Sig -	***	***	***	Sig -	n.s.	***	***	Sig -	***	***
Asian/Pacific Islander	Sig -	Sig -	Sig -	Sig +	Sig -	Sig +	n.s.	n.s.	n.s.	Sig -	Sig -	Sig +	Sig +	n.s.	Sig +	n.s.
Asian	Sig -	Sig -	Sig -	Sig +	Sig -	Sig +	n.s.	n.s.	n.s.	Sig -	Sig -	Sig +	Sig +	n.s.	Sig +	n.s.
Asian Indian	***	***	***	Sig +	n.s.	n.s.	***	n.s.	***	n.s.	Sig -	Sig +	***	***	***	***
Cambodian	***	***	***	Sig +	n.s.	Sig +	***	***	***	***	Sig -	Sig +	***	***	***	Sig -
Chinese	Sig -	Sig -	Sig -	Sig +	Sig -	Sig +	***	n.s.	n.s.	Sig -	Sig +	n.s.	n.s.	n.s.	n.s.	***
Filipino	Sig -	Sig -	Sig -	Sig +	n.s.	Sig +	***	n.s.	n.s.	n.s.	Sig -	Sig +	n.s.	Sig +	n.s.	***
Hmong	***	***	Sig -	***	***	***	***	***	***	***	Sig -	n.s.	***	***	***	Sig -
Japanese	Sig -	Sig -	Sig -	Sig +	Sig -	Sig +	***	n.s.	***	***	Sig +	Sig +	n.s.	Sig -	***	***
Korean	Sig -	***	***	Sig +	Sig -	Sig +	Sig -	n.s.	***	***	n.s.	n.s.	Sig +	Sig -	***	***
Laotian	***	***	***	Sig +	n.s.	Sig +	***	***	***	***	Sig -	Sig +	***	***	***	***
Thai	***	***	Sig -	***	***	***	***	***	***	***	Sig -	Sig +	***	***	***	***
Vietnamese	Sig -	***	***	Sig +	Sig -	n.s.	***	n.s.	n.s.	n.s.	Sig -	Sig +	n.s.	Sig -	***	***
Other Asian	***	***	***	Sig +	n.s.	***	Sig -	***	***	***	Sig -	Sig +	***	***	***	***
Pacific Islander	Sig +	***	***	Sig +	Sig +	Sig +	***	Sig +	***	n.s.	Sig -	Sig +	***	***	***	***
Guamanian	***	***	***	***	***	***	***	***	***	***	Sig -	n.s.	***	***	***	***
Native Hawaiian	***	***	***	***	n.s.	***	***	***	***	***	Sig -	n.s.	***	***	***	***
Samoan	***	***	***	Sig +	Sig +	***	***	***	***	***	Sig -	n.s.	***	***	***	***
Other Pacific Islander	***	***	***	Sig +	Sig +	***	***	***	***	***	Sig -	Sig +	***	***	***	***
Hispanic/Latino	Sig -	Sig -	Sig -	Sig +	n.s.	Sig +	Sig +	Sig +	Sig +	Sig +	Sig -	Sig +	n.s.	Sig -	Sig +	Sig +
Central/South American	Sig -	n.s.	n.s.	Sig +	n.s.	Sig +	Sig +	Sig +	Sig +	n.s.	Sig -	Sig +	n.s.	n.s.	Sig +	Sig +
Cuban	Sig -	***	***	Sig +	n.s.	n.s.	***	***	***	***	n.s.	n.s.	***	n.s.	***	***
Mexican	Sig -	Sig -	Sig -	Sig +	Sig +	Sig +	Sig +	Sig +	Sig +	Sig +	Sig -	Sig +	n.s.	Sig -	Sig +	Sig +
Puerto Rican	Sig -	***	***	Sig +	n.s.	n.s.	***	n.s.	***	***	Sig -	Sig +	***	n.s.	***	***
Other Hispanic/Latino	Sig -	Sig -	***	Sig -	Sig -	Sig -	***	Sig -	***	n.s.	Sig -	Sig +	***	Sig -	Sig +	Sig +
White	Sig +	Sig +	n.s.	Sig +	Sig +	Sig +	Sig +	Sig +	n.s.	n.s.	Sig -	Sig +	Sig +	Sig +	Sig +	Sig +
Other/Unknown	***	***	***	***	Sig -	***	***	***	***	***	Sig -	Sig +	***	***	***	***

Notes: Sig + indicates rate was significantly higher than the HP2010 objective (p<.05)
 Sig - indicates rate was significantly lower than the HP2010 objective (p<.05)
 n.s. Indicates rate was not significantly different from the HP2010 objective
 *** indicates rate was unreliable and significance could not be determined

TECHNICAL NOTES

DATA SOURCES

The California Department of Health Services, Center for Health Statistics, Office of Health Information and Research, was the source for the birth and death data that appear in this report. Numerator data were tabulated from Birth Statistical Master Files, Death Statistical Master Files, and Multiple Cause of Death Files for the years 1999 through 2001.⁷ The U.S. Census Bureau, Population Division, was the source for the California 2000 population denominator data by age, sex, and race-ethnicity that are used in this report.⁸⁻⁹

DATA DEFINITIONS

Race and Ethnicity

Numerator data (i.e., the number of births or deaths used in the calculation of rates) were extracted from the CDHS Birth Statistical Master Files and the Death Statistical Master Files for 1999 through 2001. “Generated Race/Ethnicity” is a variable in these files that uses the first listed race from the birth or death certificate. Beginning in 2000, national data specifications indicate that Native Hawaiian (code 54) supercedes other races if it is reported as one of multiple races. “Hispanic Origin” is another variable in these files that is used in conjunction with Generated Race/Ethnicity to define mutually exclusive numerator subsets:

Hispanic/Latino (Hispanic codes 2-8)
Central/South American (Hispanic code 5)
Cuban (Hispanic code 4)
Mexican (Hispanic code 2)
Puerto Rican (Hispanic code 3)
Other Hispanic/Latino (Hispanic codes 6,7,8)

African American/Black, non-Hispanic (Race code 20; Hispanic codes 1,9)

American Indian/Alaska Native, non-Hispanic (Race codes 30,57,58; Hispanic codes 1,9)
American Indian (Race code 30; Hispanic codes 1,9)
Alaska Native (Race codes 57,58; Hispanic codes 1,9)

Asian/Pacific Islander, non-Hispanic (Race codes 40-49, 52-56, 59; Hispanic codes 1,9)
Asian Indian (Race code 52; Hispanic codes 1,9)
Cambodian (Race code 46; Hispanic codes 1,9)
Chinese (Race code 42; Hispanic codes 1,9)
Filipino (Race code 53; Hispanic codes 1,9)
Hmong (Race code 49; Hispanic codes 1,9)
Japanese (Race code 43; Hispanic codes 1,9)
Korean (Race code 44; Hispanic codes 1,9)
Laotian (Race code 48; Hispanic codes 1,9)
Thai (Race code 47; Hispanic codes 1,9)
Vietnamese (Race code 45; Hispanic codes 1,9)
Guamanian (Race code 55; Hispanic codes 1,9)
Native Hawaiian (Race code 54; Hispanic codes 1,9)
Samoan (Race code 56; Hispanic codes 1,9)
Other Pacific Islander (Race code 59; Hispanic codes 1,9)

White, non-Hispanic (Race code 10; Hispanic codes 1,9)

Other/Unknown, non-Hispanic (Race codes 51,98,99; Hispanic codes 1,9)

Denominator data (i.e., population data) for California were extracted from the U.S. Census 2000 Summary File 1 (SF1) using American FactFinder:

- Total (All Racial and Ethnic Groups)
- African American/Black, non-Hispanic
- American Indian/Alaska Native, non-Hispanic
- Asian/Pacific Islander, non-Hispanic
- Hispanic/Latino
- White, non-Hispanic
- Other/Unknown, non-Hispanic

The following Hispanic/Latino denominator data were extracted from the U.S. Census 2000 Summary File 2 (SF2) using American FactFinder:

- Central/South American
- Cuban
- Mexican
- Puerto Rican
- Other Hispanic/Latino

The following Native American, non-Hispanic denominator data were extracted from the U.S. Census 2000 Five-Percent (5%) Public Use Microdata Sample (PUMS):

- American Indian
- Alaska Native

The following Asian, non-Hispanic denominator data were extracted from the 5-Percent Public Use Microdata Sample (PUMS):

- Asian Indian
- Cambodian
- Chinese
- Filipino
- Hmong
- Japanese
- Korean
- Laotian
- Thai
- Vietnamese
- Other Asian

The following Pacific Islander, non-Hispanic denominator data were extracted from the U.S. Census 2000 Five-Percent (5%) Public Use Microdata Sample (PUMS):

- Guamanian
- Native Hawaiian
- Samoan
- Other Pacific Islander

Mortality

Beginning in 1999, deaths were coded using the International Classification of Diseases, Tenth Revision (ICD-10).¹⁰ In the United States, the National Center for Health Statistics (NCHS) sets the standards for implementation of the ICD-10. In their publication *A Guide to State*

Implementation of ICD-10 for Mortality, differences between the 9th and 10th revision were examined:¹¹

“ICD-10 differs from ICD-9 in a number of respects: (1) ICD-10 is far more detailed than ICD-9, about 8,000 categories compared with 4,000 categories; (2) ICD-10 uses 4-digit alphanumeric codes compared with 4-digit numeric codes in ICD-9, (3) Cause-of-death titles have been changed, and conditions have been regrouped. (4) Some coding rules have been changed.” (p.6)

Readers and users of these data are cautioned that prior year’s mortality tables based on ICD-9 are not comparable and should not be used for direct comparisons with ICD-10 data tables.

Following is a list of the mortality tables in this report and the ICD-10 codes that were used to operationally define each cause of death:

Table 1	Lung Cancer	C33-C34
Table 2	Female Breast Cancer.....	C50
Table 3	Male Prostate Cancer.....	C61
Table 4	Diabetes.....	E10-E14
Table 5	Coronary Heart Disease.....	I11, I20-I25
Table 6	Stroke (Cerebrovascular Disease)	I60-I69
Table 7	HIV.....	B20-B24
Table 8	Unintentional Injury.....	V01-X59, Y85-Y86
Table 9	Homicides.....	X85-Y09, Y87.1
Table 13	Suicides	X60-X84, Y87.0
Table 14	Chronic Obstructive Pulmonary Disease.....	J40-J47
Table 15	Cirrhosis.....	K70, K73, K74
Table 16	Drug-Induced Deaths	F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, X40-X44, X60-X64, X85, Y10-Y14

It should also be noted that the operational definition for diabetes deaths in *Healthy People 2010* uses both the underlying and contributing causes of death, whereas all other causes covered in this report use the underlying cause of death only. Diabetes death data were therefore extracted using the Multiple Cause of Death (MCOD) files for 1999-2001.

Infant Mortality

The infant mortality rate is the number of deaths among infants under one year of age per 1,000 live births, and is a universally accepted and easily understood indicator that is useful in pointing to problems with the health status of infants and mothers, and possible problems in the delivery of health care and related services to these groups in a community.¹² Studies of infant mortality in which race is reported on birth certificates independently from death certificates show that these data can underestimate death rates for infants. While it is preferable to use linked birth and infant death records available in the California Birth Cohort Perinatal Outcome Files, the 2001 file was not available for analysis as of this writing and the Birth and Death Statistical Master Files for 1999-2001 were used instead.

Nativity

Nativity data were obtained from the Birth Statistical Master Files from 1999 through 2001. Records with unknown prenatal care were excluded from the data used in Table 11, and records with unknown birth weight were excluded from the data used in Table 12.

Low birth weight has been associated with negative birth outcomes, and as an indicator of access problems and/or need for prenatal care services. Prevalence of low birth weight is defined as the percentage of live births weighing less than 2,500 grams (approximately 5.5 pounds).

The prenatal care indicator, Month Prenatal Care Began, has been associated with access to care. Late prenatal care is defined as the percentage of mothers who did not begin prenatal care in the first trimester (the first three months of pregnancy). However, as a health indicator, the percentage of births in which the mother's prenatal care began in the first trimester fails to document whether the prenatal care was adequate nor whether it actually continued for the course of the pregnancy.

AGE-ADJUSTED RATES

The numerator data used to compute rates and percentages were three-year (1999-2001) averages extracted by place of residence of the decedent for the mortality tables and place of residence of the mother for natality data. Three-year averages tend to reduce the year-to-year fluctuations and increase the stability of estimates of vital events for populations experiencing small numbers of events in data from single years.

An unstandardized rate (usually referred to as a "crude rate") is obtained by dividing the total number of vital events (e.g. deaths) by the total population at risk, then multiplying by some standard basis (e.g. per 100,000). Crude death rates, which include the effects of age, are the rates that should be applied when measuring the actual risk of dying in a specific population. Subpopulations with varying age compositions can have highly disparate death rates, since the risk of dying is primarily a function of age. Therefore, subpopulations with a large component of elderly tend to have higher death rates simply because the risk of dying is determined mostly by age. Any effect of different age compositions among population subgroups can be removed by the process known as "age-adjustment."

Age-adjusted death rates are hypothetical rates obtained by calculating age-specific rates for each subpopulation, multiplying these rates by proportions of the same age categories in a "standard population," then summing the apportioned specific rates to a total. The "standard population" used in the age-adjusted death rates in this report is the 2000 United States Standard Population. The age-adjusted rates put all subgroups on an equal basis with respect to the effect of age and permit direct comparisons among subgroups and with Healthy People 2010 mortality objectives. It is important to understand that age-adjusted death rates should be viewed as hypothetical constructs or index numbers rather than as actual measures of the risk of mortality. For further information on age-adjusted rates, see the NCHS report by Klein and Schoenborn.³

Natality data, prenatal care and low birth weight, were not age-adjusted and represent percentages based on the number of live births. Comparisons of infant mortality among subpopulations reflect the actual risk of dying within one year of birth and are unaffected by confounding of different age compositions because the decedents are all of the same age (under one year). Age-adjusting is not applicable to these data.

RELIABILITY OF RATES

All vital statistics rates are subject to random variation. This variation is inversely related to the number of events (e.g. death) used to calculate the rate. The smaller the frequency of occurrence of an event, then the greater the likelihood of random fluctuations within a specified time period or a certain subpopulation. The more rare an event, the less stable its occurrence is from observation to observation. As a consequence, subpopulations with only a few deaths or a few events can have highly unstable rates from year to year. This report reduces some of the fluctuation in the occurrence of rare events by basing rates on a three-year average number of vital events (1999-2001), divided by the population in the middle year (2000).

The "standard error" of a death rate and "coefficient of variation" (or Relative Standard Error, RSE) provide a rational basis for determining which rates may be considered "unreliable." In this report, subpopulations with a relative standard error of greater than or equal to 23% of the rate or percent are marked with a triple asterisk (***) . This criterion conforms with the standard used by the NCHS in determining the reliability cut-off for rates and percents.¹³ In addition, for rates based on no events the standard error cannot be calculated and is "indeterminate." Whenever the standard error is indeterminate, confidence limits are not calculated and zeroes are used to denote the confidence intervals.

TESTS OF STATISTICAL SIGNIFICANCE

A confidence interval (C.I.) is a range of values that is normally used to describe the uncertainty around a point estimate of a rate. Confidence intervals are a measure of the variability in the data and describe how much different the point estimate could have been if the underlying conditions stayed the same but chance had led to a different set of data. Confidence intervals are calculated with a stated probability (i.e., 95%), such that there is a 95% chance that the C.I. covers the true value. The true population value is a constant, even though its value is unknown, but a C.I. is a random quantity whose value depends on the random sample or data from which it is calculated. Therefore we describe a 95% C.I. as having a 95% probability of covering the true value, rather than saying that there is a 95% probability that the true value falls within the confidence interval.

When the number of events is small in relation to the population at risk (i.e., the event is rare), calculation of 95% CIs based on the Poisson probability distribution is recommended. (95% CIs correspond to a p-value of 0.05, so if you are making many comparisons approximately 5% of the comparisons may be statistically significant due to chance alone.) In general, if CIs for two separate rates overlap, there is no statistically significant difference between the two rates. In a one sample case, as for example if one is comparing the age-adjusted rate for a particular racial or ethnic group to a standard value, confidence intervals are equivalent to statistical tests. That is, if a 95% confidence interval around a particular age-adjusted rate excludes the comparison value, then a statistical test for the difference between the two values would be significant at the 0.05 level.¹⁴

For more detailed readings on appropriate statistical methods for comparing independent rates or percentages, please see the citations in the References and Further Reading sections.

RANKING OF SUBPOPULATIONS

Data on each indicator are also displayed in summary tables and rank ordered by decreasing rates or percentages; higher rates or percentages are near the top of the table and lower rates or percentages are near the bottom of the table, and unreliable rates or percentages are flagged (***) . Included in each summary table are the Healthy People 2010 objective (highlighted), and the statewide rate or percentage for all racial and ethnic groups for comparison purposes.

FORMULAS USED IN THIS REPORT

$$\text{IDR} = \left(\frac{nD}{nB} \right) \times 1000$$

$$\text{ADR} = \sum W_a \left(\frac{nD_a}{Npop_a} \right) \times B$$

$$\text{ASDR} = \left(\frac{nD_a}{Npop_a} \right) \times B$$

$$\text{SE}_x = \left(\frac{\text{CDR}}{\sqrt{nD}} \right)$$

$$\text{SE}_y = \sqrt{\sum \frac{(W_a \times \text{ASDR})^2}{nD_a}}$$

$$\text{RSE}_x = \left(\frac{\text{SE}_x}{\text{CDR}} \right) \times 100$$

$$\text{RSE}_y = \left(\frac{\text{SE}_y}{\text{ADR}} \right) \times 100$$

$$\text{Lower 95\% CL} = \text{ADR} - (1.96 \times \text{SE}_y) \quad \text{Upper 95\% CL} = \text{ADR} + (1.96 \times \text{SE}_y)$$

Where:

- IDR = Infant Death Rate
- ADR = Age-Adjusted Death Rate
- ASDR = Age-Specific Death Rate
- n^B = Number of Live Births
- nD = Number of Deaths
- Npop = Population Size
- nD_a = Number of Deaths in an Age Group
- Npop_a = Population Size in Same Age Group
- B = Base (100,000)
- W_a = Age-Specific Weight (Standard Population Proportion)
- SE_x = Standard Error of a Crude Rate
- RSE_x = Relative Standard Error of a Crude Rate
- SE_y = Standard Error of an Age-Adjusted Death Rate
- RSE_y = Relative Standard Error of an Age-Adjusted Death Rate
- CL = Confidence Limit

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