



# **DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS ARIZONA, 2003**

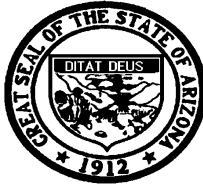


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# **Differences in the Health Status Among Ethnic Groups, Arizona, 2003**

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BY

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**November 2004**

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## **Acknowledgment**

Grateful acknowledgement is made to Richard S. Porter for reviewing the typescript.  
Our appreciation to Roberta Durfee for proofreading the report.

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# Differences in the Health Status Among Ethnic Groups, Arizona, 2003

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## PURPOSE

The report *Differences in the Health Status Among Ethnic Groups, Arizona, 2003* is the update\* of population-level data about differences in the relative health of five ethnic groups residing in Arizona: White non-Hispanics, Hispanics or Latinos, Blacks or African-Americans, American Indians or Alaska Natives and Asians or Pacific Islanders including Hawaiians.

The report compares the relative standing of ethnic groups on 70 indicators or measures of health status. The indicators are presented in a series of simple, self-explanatory bar charts and organized around 9 major subject areas:

(1) TEEN PREGNANCIES, (2) MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS, (3) UTILIZATION OF PRENATAL CARE SERVICES, (4) NEWBORN'S HEALTH, (5) MORTALITY FROM NATURAL CAUSES (CHRONIC OR INFECTIOUS DISEASES), (6) MORTALITY FROM INJURIES, (7) AGE-SPECIFIC MORTALITY, (8) PATTERNS OF PREMATURE MORTALITY and (9) THE INCIDENCE OF REPORTABLE DISEASES.

Each bar chart visually describes how the race/ethnic group compares to other groups and the overall State level for each indicator. These graphic representations are found in *Comparative Measures of Health Status by Race/Ethnicity in 2003* while the tabulated values also are available in the *Rates and Ratios for 2003* section of the report.

The report also provides comparative risk profiles, as well as scores and rankings of ethnic groups on each of the 70 health status measures. The comparisons of rates and ratios, as well as scores and rankings are intended to give some sense of the inequalities in health status among ethnic groups in our State and to stimulate viable initiatives to improve the health of **all** Arizonans.

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\* Prior editions of this report were published for the 1995, 1997, 1999, and 2001 data years. This report uses the same methodology as the 1997, 1999, and 2001 editions, so that average scores and average ranks (but not mortality rates) are directly comparable.

## DEMOGRAPHIC PROFILE OF ARIZONA'S ETHNIC DIVERSITY

The racial and ethnic composition of the population has important consequences for the State's health status because many measures of disease and disability differ significantly by race and ethnicity. Among the estimated 5,629,870 Arizona residents in 2003, 3,608,747 (64.1 percent) were White non-Hispanic, 1,424,357 (25.3 percent) were Hispanic or Latino, and 292,753 (5.2 percent) were American Indian or Alaska Natives. Blacks or African Americans accounted for 185,786 or 3.3 percent of the State's population. Asians or Pacific Islanders, the smallest race group, represented 2.1 percent of the total population (118,227 people).

The White non-Hispanic population increased by 38.4 percent from 1990 to 2003, while Arizona saw a 91.1 percent increase in its minority population (See p.127: *Population Denominators, Population by Race/Ethnic Group: Arizona Residents, 1990, 2000 and 2003*). Both the Asian and Hispanic ethnic minority groups in Arizona more than doubled in size since 1990. The Black or African American population increased by 68.1 percent while the American Indian population increased by 43.8 percent from 1990 to 2003.

Compared with the White non-Hispanics, the racial/ethnic minority groups have had greater percentages of people younger than 25 years (49.0 vs. 29.1 percent). In contrast, people aged 65 years and older accounted for 17.7 percent of White non-Hispanics, but only 4.6 percent of all ethnic minority groups combined:

POPULATION BY AGE GROUP IN 2003 (in thousands):	All groups	White non-Hispanic	Other than White non-Hispanic*				
			Total	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
< 25 years	2063.2	1051.0	1011.7	739.3	80.8	149.9	41.7
Percent	36.6%	29.1%	49.0%	51.9%	43.5%	51.2%	35.3%
25-64 years	2833.0	1920.2	913.7	624.1	93.6	127.0	69.0
Percent	50.3%	53.2%	44.3%	43.8%	50.4%	43.4%	58.4%
65+ years	732.7	637.0	95.6	61.0	11.3	15.8	7.5
Percent	13.0%	17.7%	4.6%	4.3%	6.1%	5.4%	6.3%
Total, all ages**	5629.9	3608.7	2021.1	1424.4	185.8	292.7	118.2
Percent	100%	100.0%	100.0%	100%	100.0%	100.0%	100.0%

Source: In order to obtain the 2003 population denominators, the 2000 percentages of population breakdowns (or census shares) by race/ethnicity, age group and gender were applied to total state population estimates released by the Arizona Department of Economic Security on 12/11/2003.

Similar to the differences in the age composition is the contrasting pattern of proportional mortality by age group. In 2003, the elderly (65 years and older) comprised 77.0 percent of the total mortality among White non-Hispanics, compared to 40.2 percent among American Indians, 52.5 percent among Blacks, 51.8 percent among Hispanics, and 60.2 percent among Asians. One out of fifty White non-Hispanics who died in 2003 was less than 25 years old (1.8 percent). In contrast, persons younger than 25 years of age accounted for one out of every eight (12.6 percent) deaths among Arizona ethnic minorities:

MORTALITY BY AGE GROUP IN 2003:	All groups	White non-Hispanic	Other than White non-Hispanic *				
			Total	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
< 25 years	1630	639	989	659	106	205	19
Percent	3.8%	1.8%	12.6%	13.4%	9.3%	13.4%	6.6%
25-64 years	10331	7375	2935	1699	432	708	96
Percent	24.1%	21.1%	37.3%	34.6%	38.0%	46.4%	33.2%
65+ years	30815	26873	3933	2547	598	614	174
Percent	71.9%	77.0%	50.0%	51.8%	52.5%	40.2%	60.2%
Total, all ages**	42830	34906	7868	4914	1138	1527	289
Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

\*Includes other groups than Hispanic, Black, American Indian and Asian.  
 \*\*Includes unknown age.

Source: the 2003 death certificate file for Arizona residents



## METHODS

The 70 indicators presented in this report are individual measures of the various dimensions or facets of health status. By calculating overall scores and rankings it is possible to provide a summary measure representing a relative standing of each ethnic group on a broad range of health status issues.

Scores indicate the percentage an ethnic group is above or below the statewide average. Each score is calculated as follows:

$$\text{SCORE} = \left[ \frac{\text{THE VALUE OF A RATE OR RATIO IN A SPECIFIED GROUP}}{\text{THE AVERAGE VALUE OF A RATE OR RATIO FOR THE STATE}} - 1.0 \right] \times 100$$

Scores may have positive (+) or negative (-) values. The above formula produces a score of 0.0 for a group with the same value as the statewide average. A negative score indicates better than average standing on an indicator. A positive score indicates worse than average standing on an indicator.

It is important to note that the unit of analysis in this report is the race/ethnic group. The aggregate measures of health status (such as teen pregnancy rate, infant mortality rate, mortality rate for drug-induced deaths or the incidence of low-birthweight, etc.) apply to groups and not individuals.

The rates and ratios presented in sections 1-4 and 7-9 of *Comparative Measures of Health Status by Race/Ethnicity* and *Rates and Ratios for 2003* are directly comparable to the previously published rates and ratios for 1995, 1997, and 1999. However, the cause-specific mortality rates in section 5 and section 6 CANNOT BE compared to cause-specific mortality rates published in prior editions of this report. This is because beginning with the 2000 data year in Arizona (1999 nationally) two major changes have occurred that affect the computation of mortality rates and analyses of mortality data over time. First, a new revision of the International Classification of Diseases (ICD), used to classify causes of death, was implemented. The Tenth Revision (ICD-10) has replaced the Ninth Revision (ICD-9), which was in effect since 1979. Second, a new population standard for the age adjustment of mortality rates has replaced the standard based on the 1940 population and used since 1943. The new set of age-adjustment weights uses the projected year 2000 U.S. population as a standard.

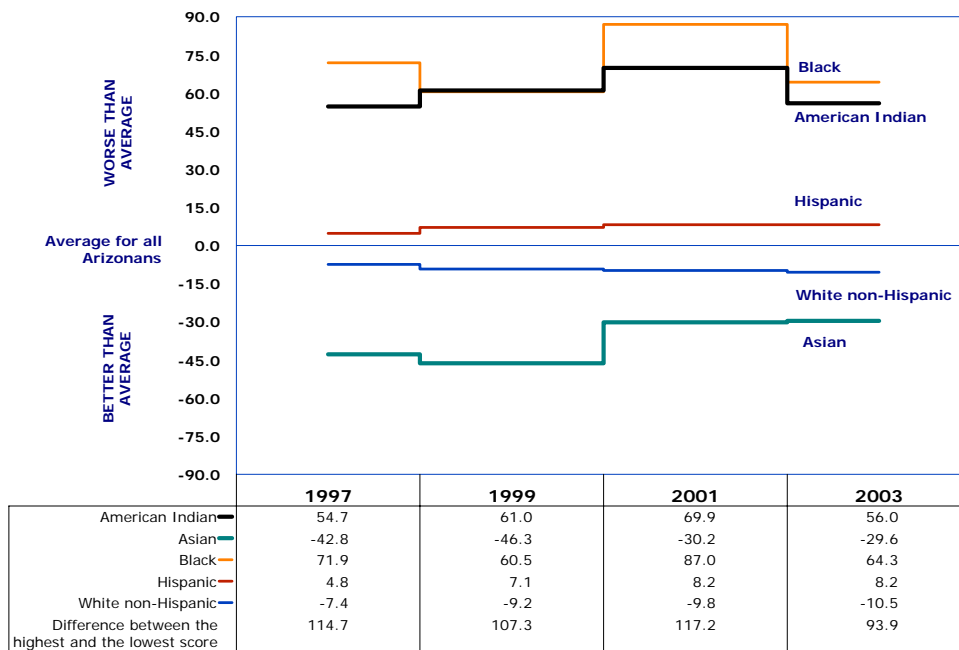
Both changes have profound effects on the comparability of mortality data and continuity in statistical trends. Age-adjusted rates can only be compared to other age-adjusted rates that use the same population standard. In this report, ALL age-adjusted mortality rates are based on the (new) 2000 standard, and they CANNOT BE compared to rates using the 1940 standard population. This is because the age structures of the 1940 and year 2000 populations differ. From 1940 to 2000 the U.S. population "aged" considerably. The age-adjusted rates based on the year 2000 standard are different because the year 2000 population standard, which has an older age structure, gives more weight than the 1940 standard to death rates at older ages where mortality is higher.

Breaks in comparability of mortality statistics effective with deaths occurring in 2000 also result from the implementation of ICD-10. ICD-10 is far more detailed than ICD-9, with about 8,000 categories compared with about 5,000 categories. ICD-10 uses alphanumeric codes compared with numeric codes in ICD-9. Some of the coding rules and rules for selecting the underlying cause of death have been changed. Moreover, cause-of-death titles have been changed and the cause-of-death categories regrouped. For example, the ICD-9 category "chronic obstructive pulmonary diseases (COPD)" was replaced by the ICD-10 category "chronic lower respiratory diseases (CLRD)". Unlike COPD, CLRD excludes allergic alveolitis and pneumonitis due to inhaled organic dust. Conversely, over 55 percent more deaths are classified to Alzheimer's disease in ICD-10 than ICD-9. Almost all of this increase comes from deaths classified in ICD-9 as Presenile dementia but reclassified in ICD-10 to Alzheimer's disease. The statistical consequences of the new standard and of the new revision of the ICD were discussed in greater detail in the year 2000 edition of the *Arizona Health Status and Vital Statistics* report (see [http://www.hs.state.az.us/plan/report/ahs/ahs2000/pdf/093\\_094text2.pdf](http://www.hs.state.az.us/plan/report/ahs/ahs2000/pdf/093_094text2.pdf) )

**KEY FINDINGS**

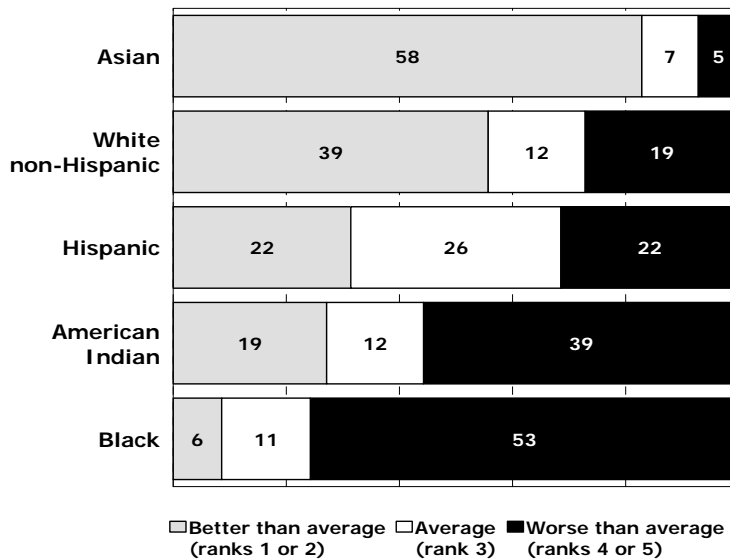
The inequity between the groups, as measured by the range of score values from the lowest (the most favorable standing among the groups) to the highest (the least favorable standing), narrowed from 117.2 points in 2001 to 93.9 in 2003 (**Figure A**). The average score for Blacks improved from 87.0 in 2001 to 64.3 in 2003. Compared to a score of 69.9 in 2001, the average score for American Indians also declined to 56.0 in 2003. Simultaneously Asians had their worst average score in 2003, compared to their average scores in 1997, 1999 and 2001 (**Figure A**).

**Figure A**  
Comparison of Scores by Race/Ethnicity in 1997, 1999, 2001 and 2003



In 2003, as in 2001, 1999 and 1997, Arizona's Asian residents ranked best among ethnic groups in the overall health status, followed by White non-Hispanics, Hispanics, American Indians, and Blacks (**Figure B**).

**Figure B**  
Number of Times Each Group Ranked Better Than Average, Average, and Worse Than Average on 70 Indicators, Arizona, 2003

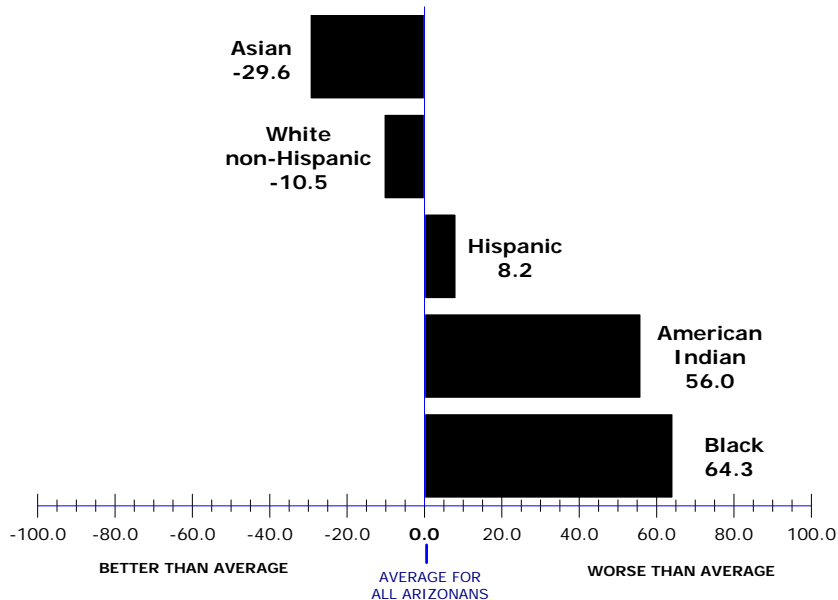


## DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003

The average scores based on all 70 measurements ranged from -29.6 for Asians to 64.3 for Blacks (Figure C). The scores for White non-Hispanics (-10.5) and Hispanics (8.2) differed little from the statewide average. The score of 56.0 for American Indians was the second highest among the racial/ethnic groups in Arizona.

**Figure C**  
**Average Scores in 2003**

(A score is a percent above or below the average for all Arizona residents.  
A negative score indicates better than average standing on an indicator.)



### **ASIANS or PACIFIC ISLANDERS**

**Average rank: 1.8\***

**Average score: -29.6\*\***

Many factors contributed to Asians' No.1 relative health ranking. They ranked best or second best among ethnic groups on 58 of 70 indicators, including measures of maternal lifestyle and health, cause-and-age-specific mortality and in low incidence of reportable diseases. Asians ranked best on measures of newborn's health and second best in utilization of prenatal care services. Asians also had the lowest risk of injury mortality in accidents, as well as self-inflicted injuries in suicide.

### **WHITE NON-HISPANICS**

**Average rank: 2.6**

**Average score: -10.5**

White non-Hispanics ranked second best in the relative healthiness among ethnic groups in Arizona. They ranked No.1 or No.2 on 39 of 70 measures of health, including low teen pregnancy rates, high utilization of prenatal care and low premature mortality. However, in the use of tobacco among women giving birth and in mortality rates for chronic lower respiratory diseases and suicide, White non-Hispanics ranked worst among ethnic groups.

\*The average rank based on all 70 measurements (the sum of the ranks divided by 70 measurements. Ranks range between 1 = the highest rank of health indicators and 5 = the lowest rank of health indicators). See section RATES AND RATIOS FOR 2003, p.95.

\*\*The average score based on all 70 measurements (the sum of all scores divided by 70 measurements). See section SCORES IN 2003, p.101.

**HISPANICS or LATINOS**

**Average rank: 3.0**

**Average score: +8.2**

In 2003, as in 2001, 1999 and 1997, Hispanics achieved a 3rd place health ranking, with a score only slightly higher than that of White non-Hispanics. Hispanics ranked in the middle of five groups on 26 of 70 measures of health. They ranked worse than average in poor utilization of early prenatal care, high teen pregnancy rates and high premature mortality. They ranked better than average with low suicide mortality rate, low alcohol and tobacco use among women giving birth, low incidence of preterm births and postneonatal mortality.

**AMERICAN INDIANS or ALASKA NATIVES**

**Average rank: 3.6**

**Average score: +56.0**

In 2003, American Indians in Arizona had the second highest average score among all groups and second lowest rank of overall health status. They ranked 5<sup>th</sup> or 4<sup>th</sup> 39 times on 70 indicators (**Figure B**), and they exceeded the statewide averages by a wider margin than any other group except Blacks (**Figure C**). American Indians ranked poorly on measures of maternal lifestyle and health as well as in utilization of prenatal care. High incidence of birth defects and high infant mortality, alcoholism, diabetes, motor vehicle accidents and mortality from unintentional injuries contributed to the premature death rate. This resulted in the second lowest ranking of American Indians in the relative healthiness among racial and ethnic groups in Arizona.

**BLACKS or AFRICAN AMERICANS**

**Average rank: 4.1**

**Average score: +64.3**

Arizona Black or African American residents had the lowest rank of overall health status because they ranked 5<sup>th</sup> or 4<sup>th</sup> among the five ethnic groups on 53 of 70 measures (see **Figure B**). High infant mortality rate, high ratios of low birthweight and very low birthweight births, high incidence of many reportable diseases, high mortality rates for almost all of the leading causes of death and high rate of premature death all lowered the ranking for this population group. However, Blacks or African Americans ranked better than average with low mortality rates for alcohol-induced causes (including chronic liver disease and cirrhosis) and fall-related injuries. In 2003, the average age at death from all causes among Black females (65.3 years) was the second best among ethnic groups.

**COMPARATIVE RATES AND RATIOS FOR 2000 – 2003**

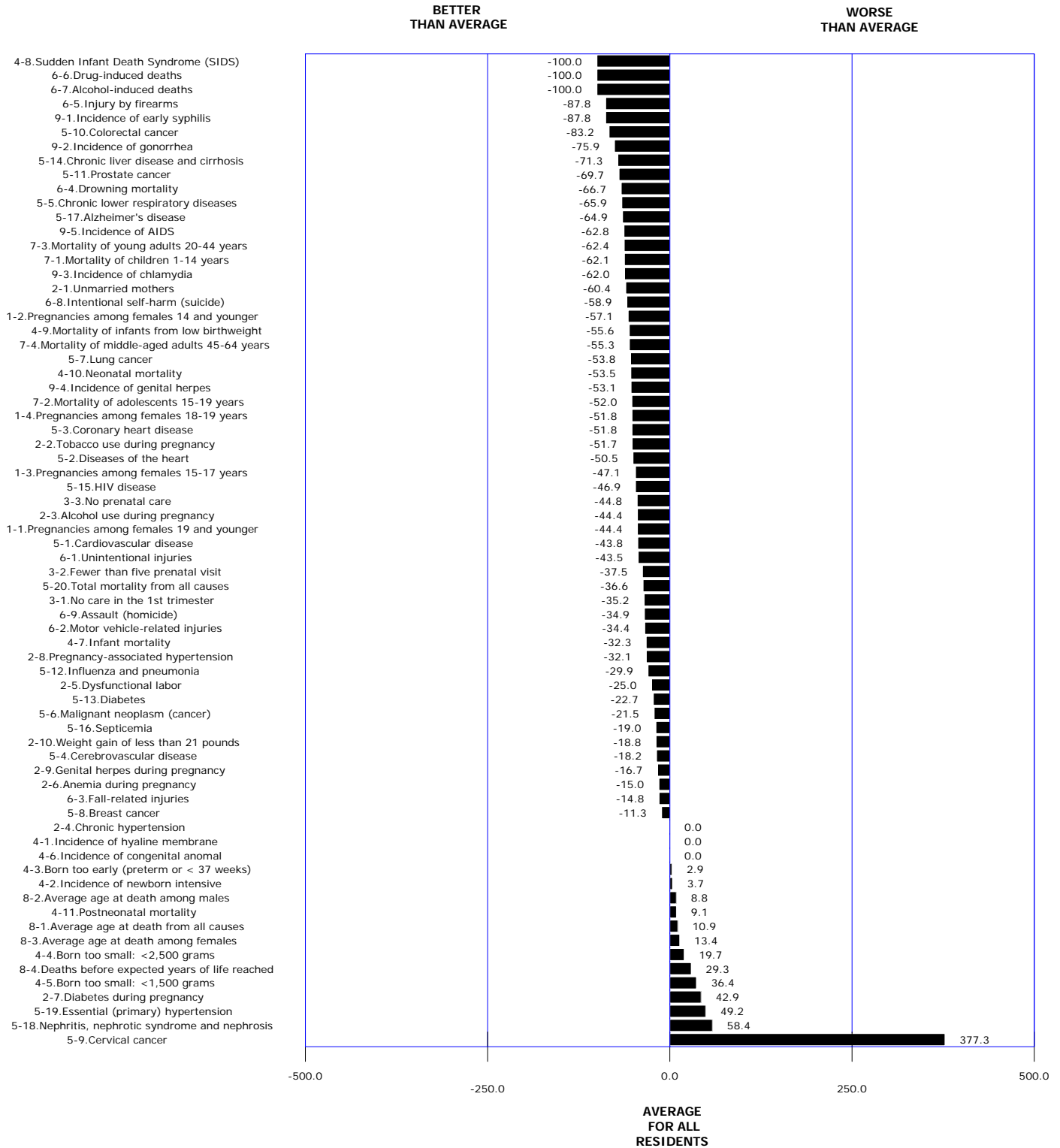
The seventy bar charts provide a snapshot of differences between the ethnic groups in Arizona in 2003. For the convenience of the readers, these inter-group comparisons for a single point in time are supplemented by comparisons over time in a special section of the report (***Comparative Rates and Ratios for 2000 – 2003***), which documents the race/ethnicity-specific changes since 2000 through 2003 on the 70 health status measures.

**RISK PROFILES**

Risk profiles presented on the following pages summarize how each race/ethnic group compares to the State average for the entire set of measures of health status. These profiles use scores, which were developed to describe the level of each of the 70 measures for each race/ethnic group in comparison to the average level for all groups. The profiles visually describe the better-than-average and worse - than-average clusters of health status characteristics for each race/ethnic group.

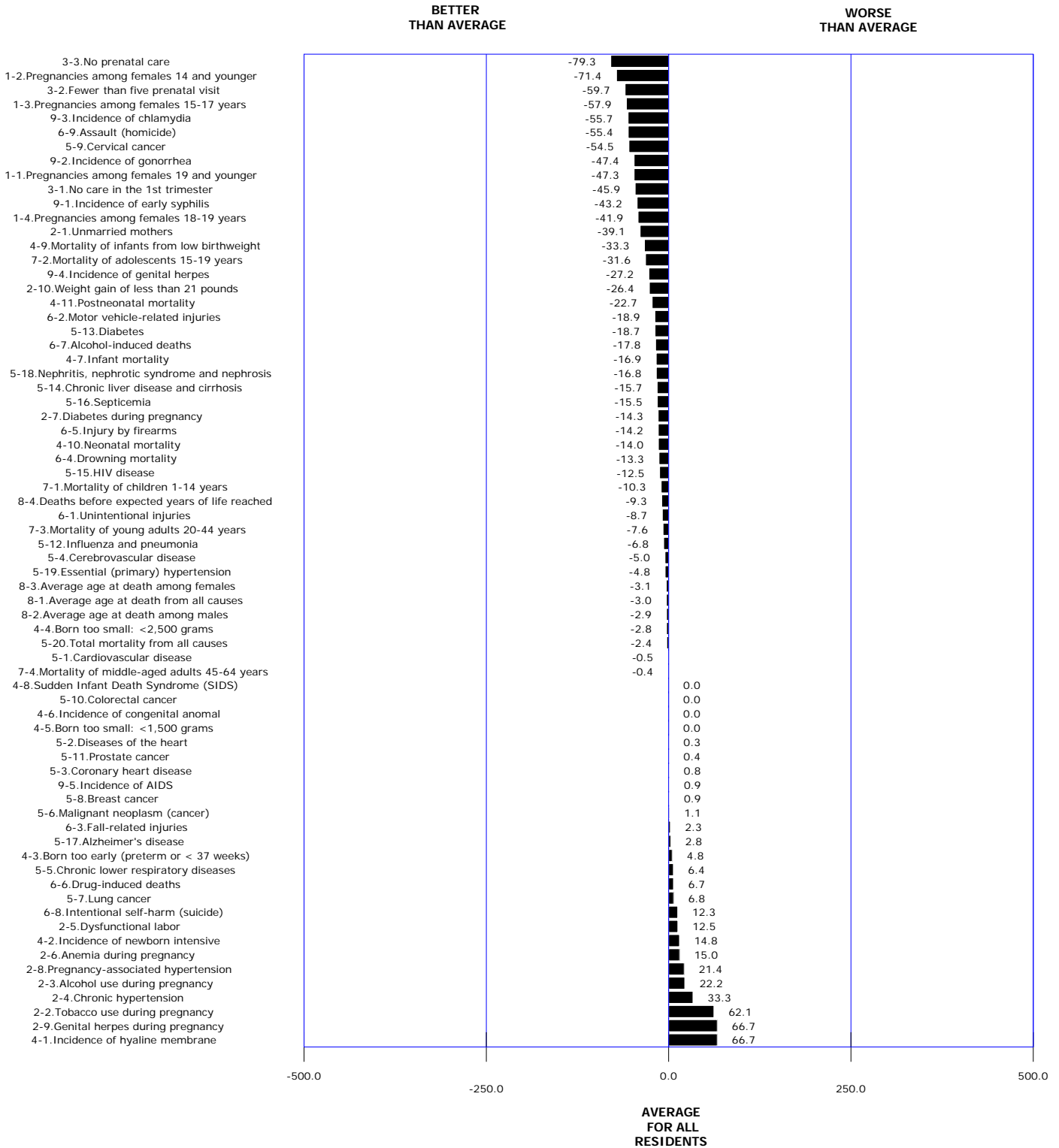
DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003

**Risk Profile of Asians**  
(percent above or below the State mean)



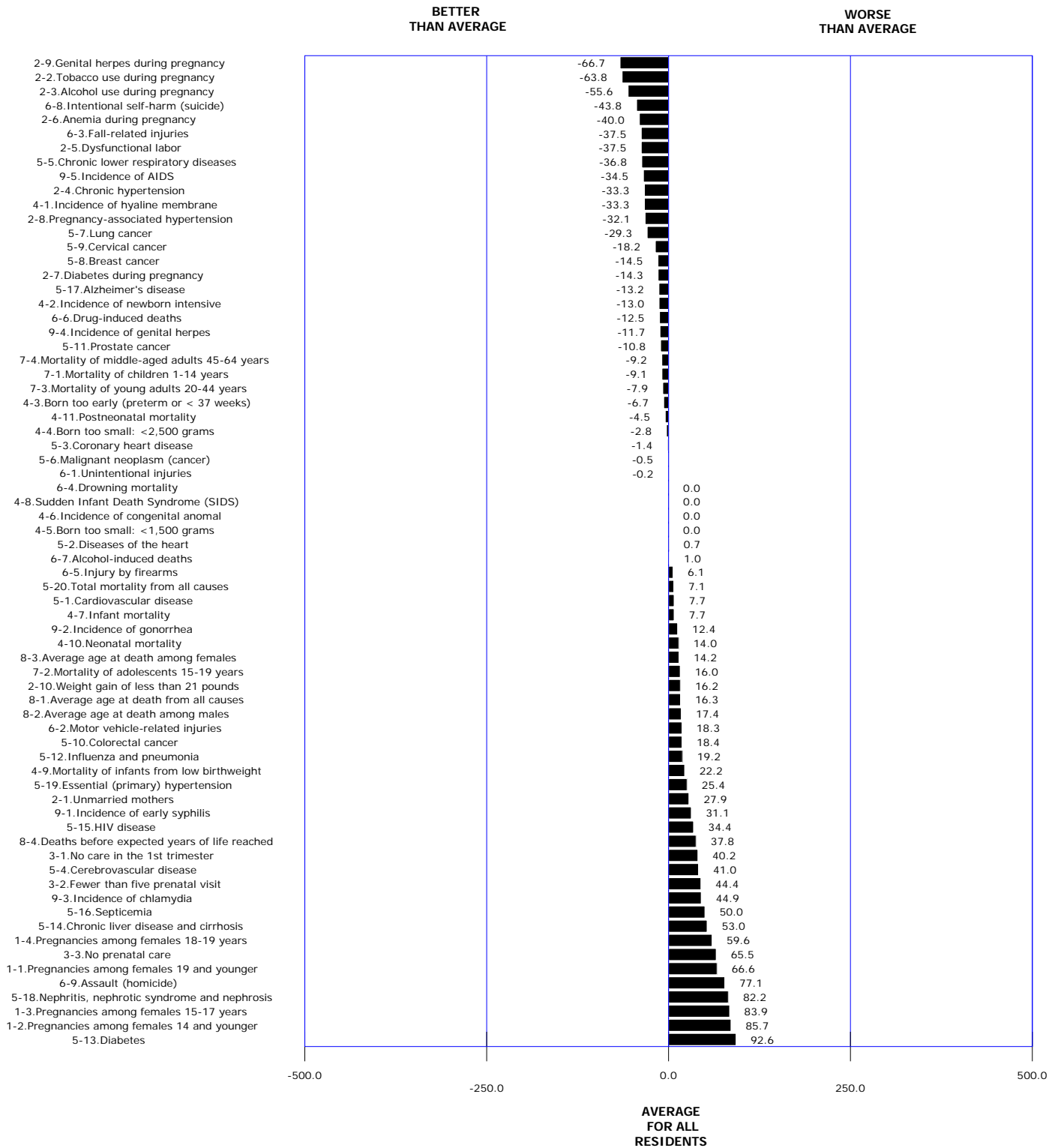
DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003

Risk Profile of White non-Hispanics  
(percent above or below the State mean)

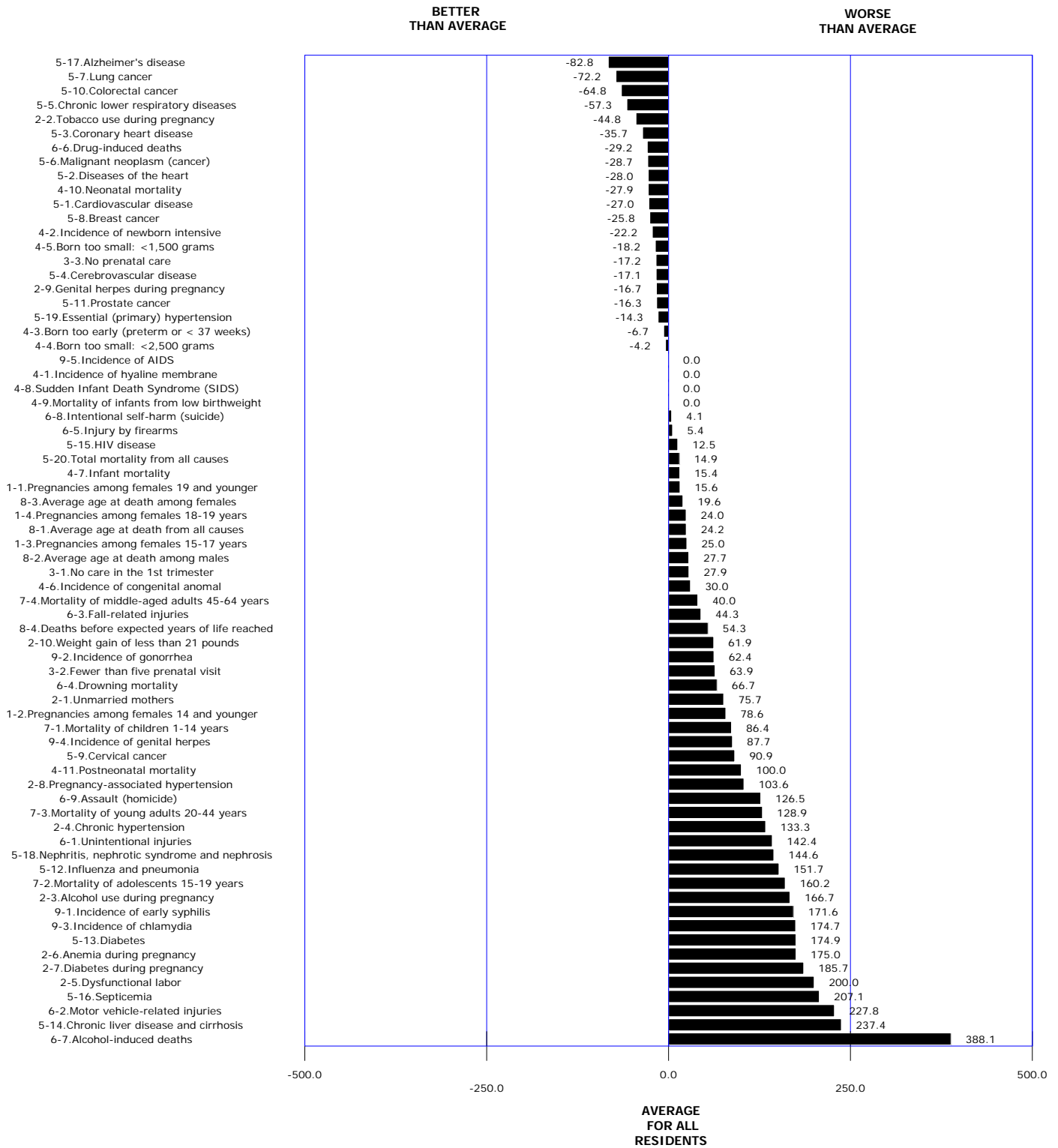


DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003

Risk Profile of Hispanics  
(percent above or below the State mean)



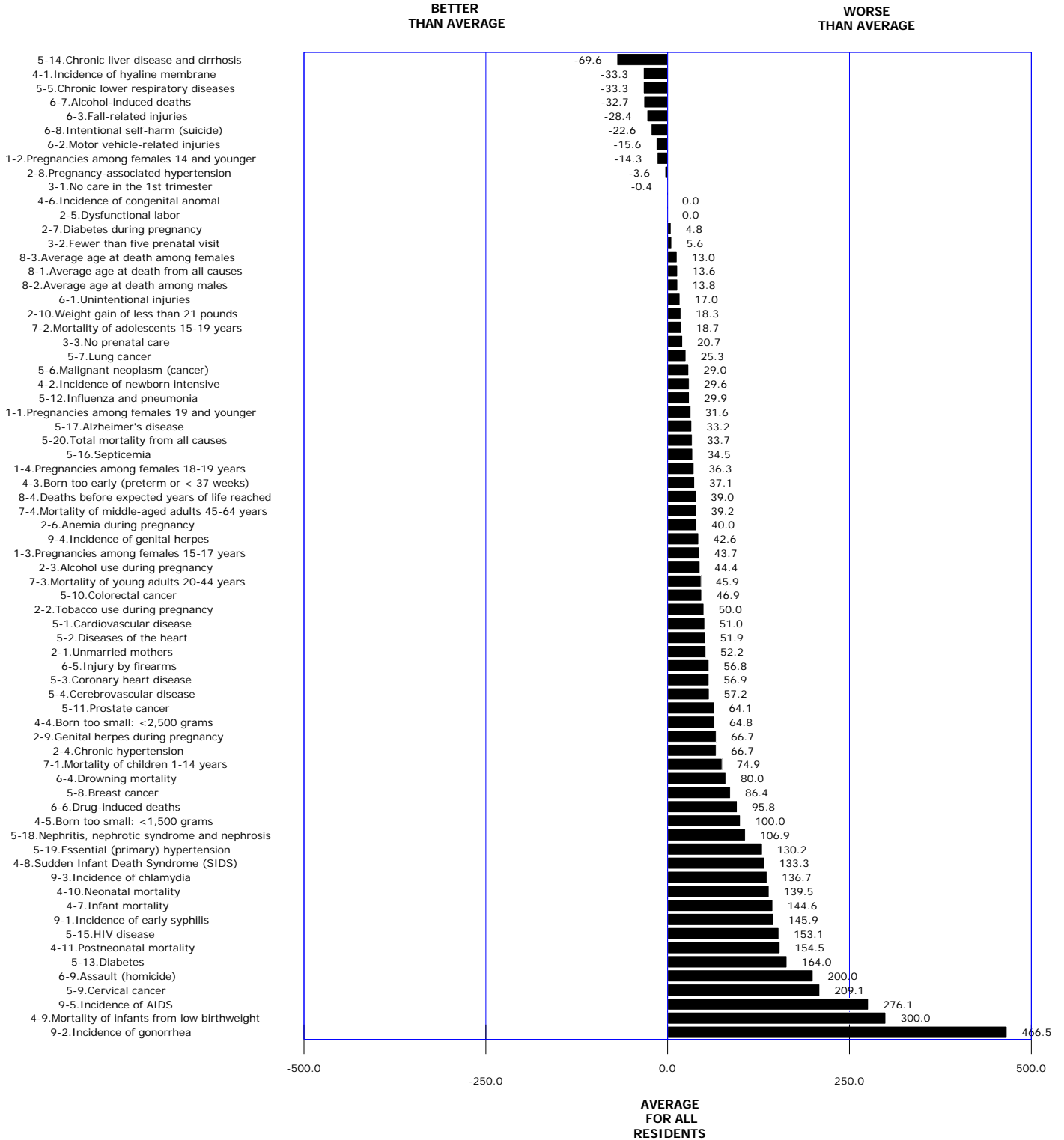
**Risk Profile of American Indians**  
(percent above or below the State mean)





DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003

Risk Profile of Blacks or African Americans  
(percent above or below the State mean)





**COMPARATIVE MEASURES  
OF HEALTH STATUS BY  
RACE/ETHNICITY  
IN 2003**



# 1. Teen Pregnancies

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**Pregnancies Among Females 19 and Younger**

**Pregnancies Among Females 14 and Younger**

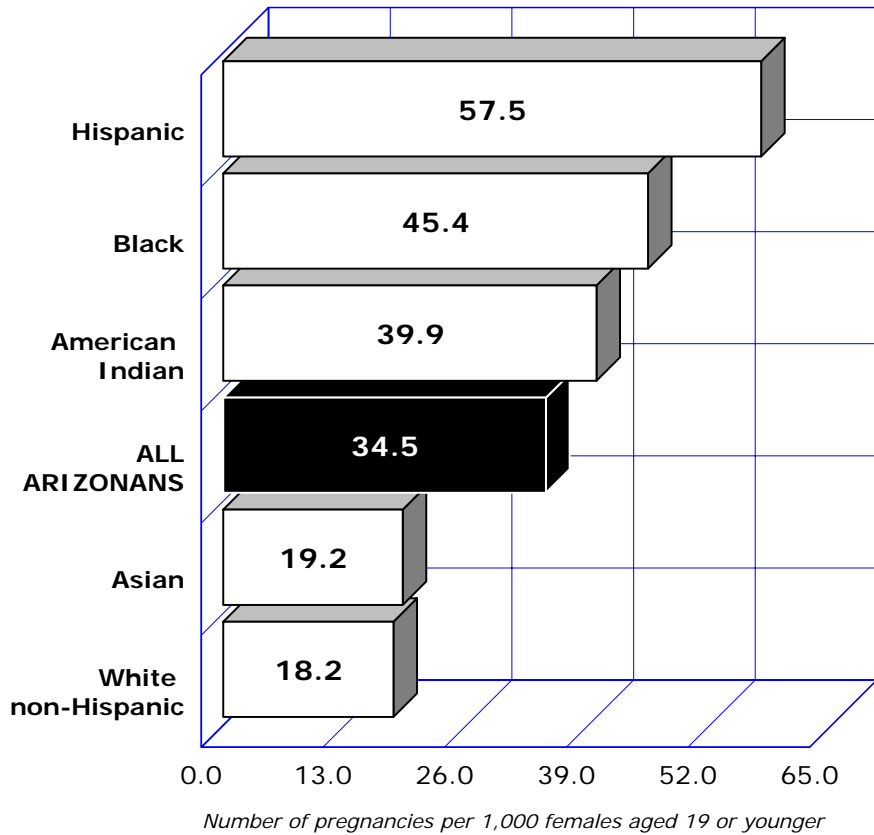
**Pregnancies Among Females 15-17 Years Old**

**Pregnancies Among Females 18-19 Years Old**



**1-1**

**Pregnancies Among  
Females Aged 19  
and Younger**

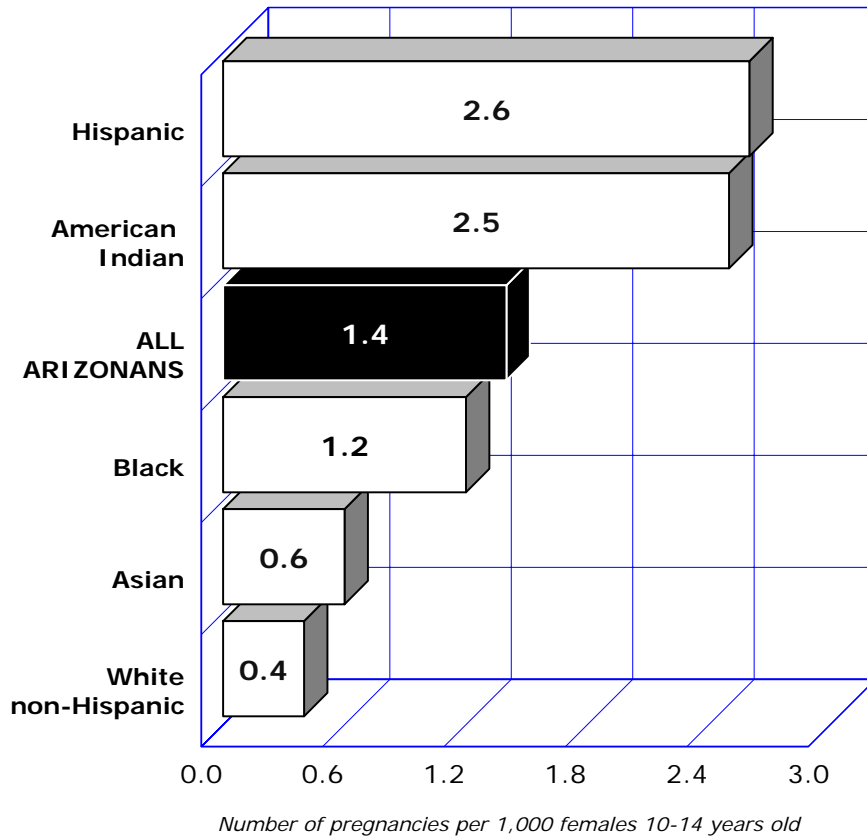


COMPARATIVE RATES FOR 2000 AND 2003:

1-1 PREGNANCIES AMONG FEMALES 19 OR YOUNGER						
Rate per 1,000 females by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	39.5	25.2	60.9	51.9	41.3	21.3
2003	34.5	18.2	57.5	45.4	39.9	19.2
% change from 2000	-12.7	-27.8	-5.6	-12.5	-3.4	-9.9

**1-2**

**Pregnancies Among  
Females 14 and  
Younger**

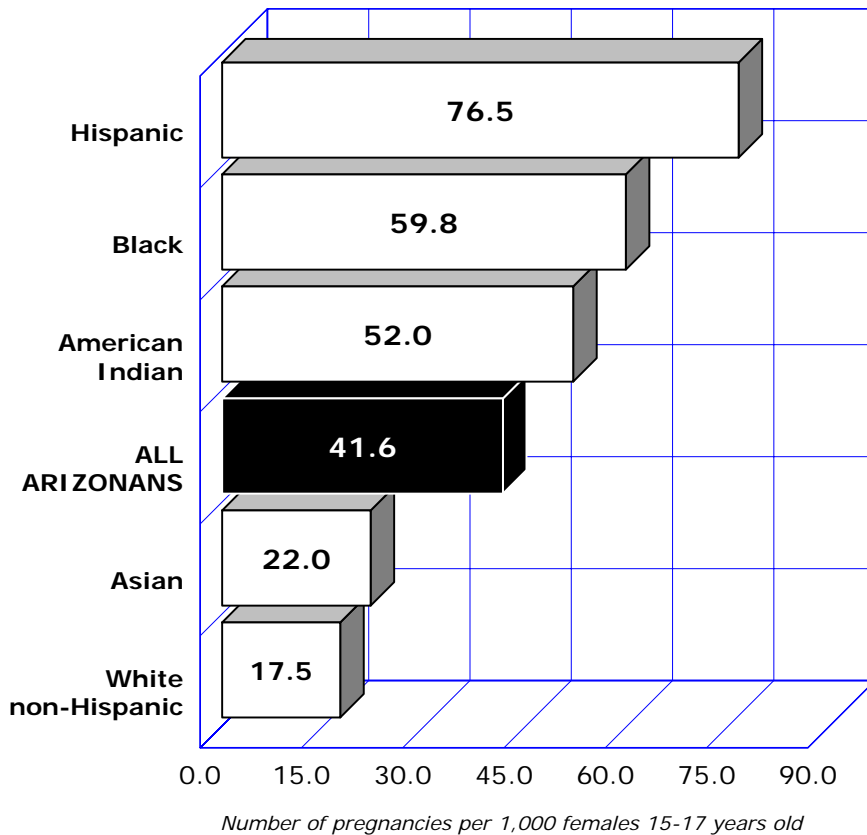


COMPARATIVE RATES FOR 2000 AND 2003:

1-2 PREGNANCIES AMONG FEMALES 14 AND YOUNGER						
Rate per 1,000 females by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	1.5	0.7	2.7	2.4	1.6	0.3
2003	1.4	0.4	2.6	1.2	2.5	0.6
% change from 2000	-6.7	-42.9	-3.7	-50.0	56.3	100.0



# 1-3 Pregnancies Among Females 15-17 Years Old

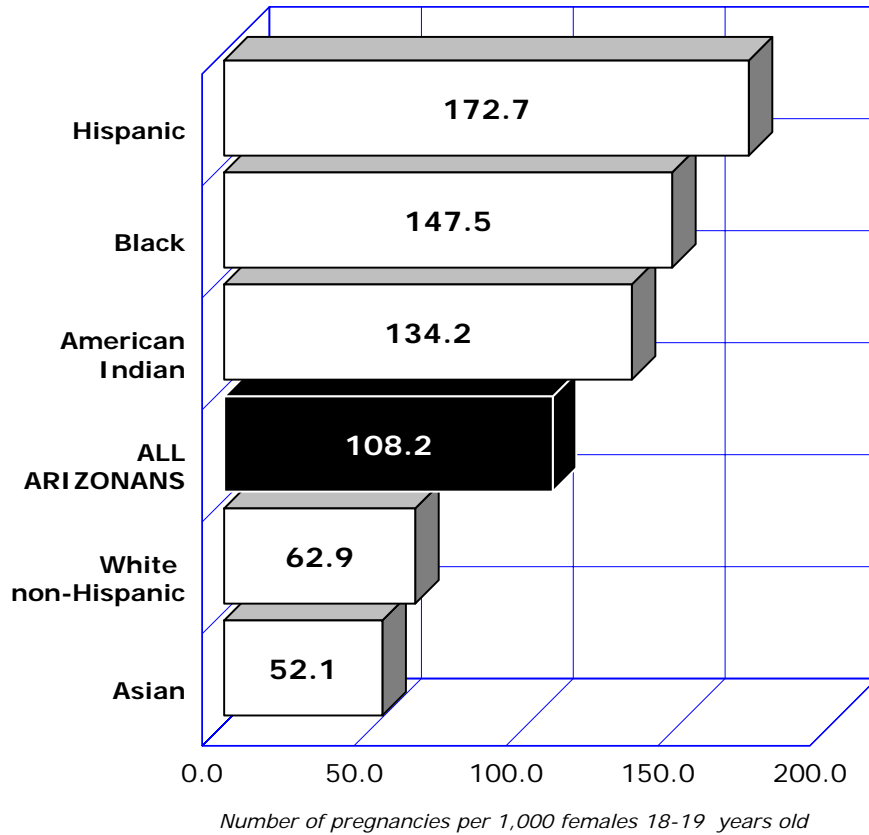


COMPARATIVE RATES FOR 2000 AND 2003:

1-3 PREGNANCIES AMONG FEMALES 15-17 YEARS OLD						
Rate per 1,000 females by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	48.1	25.1	84.0	64.2	52.1	21.4
2003	41.6	17.5	76.5	59.8	52.0	22.0
% change from 2000	-13.5	-30.3	-8.9	-6.9	-0.2	2.8

**1-4**

**Pregnancies Among  
Females 18-19 Years Old**



COMPARATIVE RATES FOR 2000 AND 2003:

1-4 PREGNANCIES AMONG FEMALES 18-19 YEARS OLD						
Rate per 1,000 females by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	123.6	85.0	178.4	171.7	144.4	62.4
2003	108.2	62.9	172.7	147.5	134.2	52.1
% change from 2000	-12.5	-26.0	-3.2	-14.1	-7.1	-16.5

## 2.

# Maternal Lifestyle and Health Characteristics

---

**Unmarried Mothers**

**Tobacco Use During Pregnancy**

**Alcohol Use During Pregnancy**

**The Incidence of Chronic Hypertension**

**Dysfunctional Labor**

**The Incidence of Anemia During Pregnancy**

**The Incidence of Diabetes**

**The Incidence of Pregnancy-Associated Hypertension**

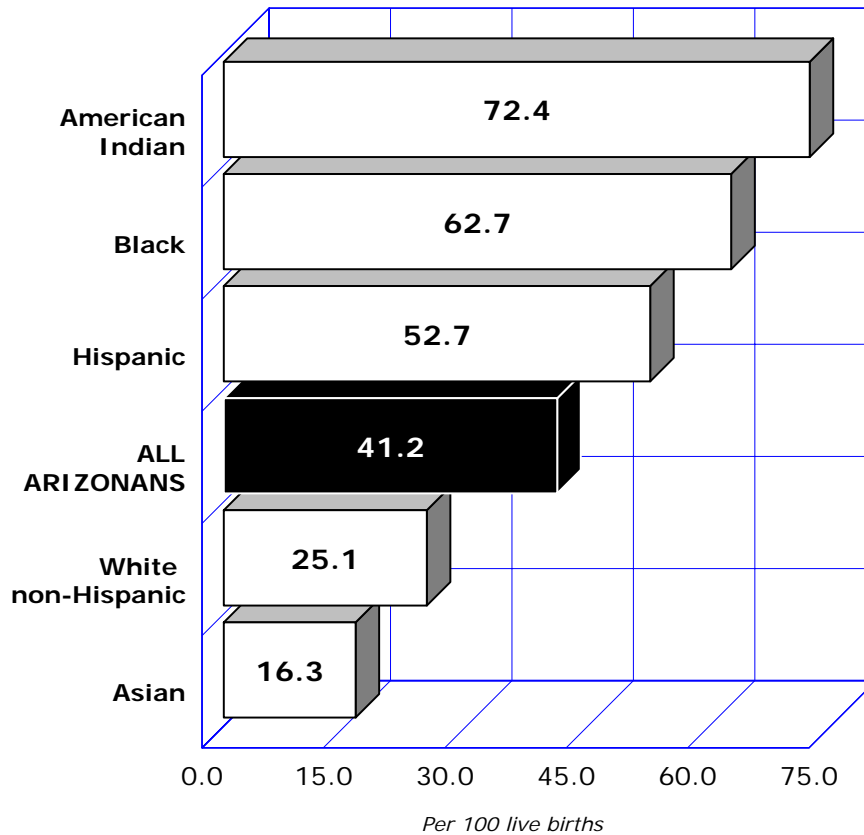
**The Incidence of Genital Herpes**

**Maternal Weight Gain of Less Than 21 Pounds**



**2-1**

**Unmarried Mothers**

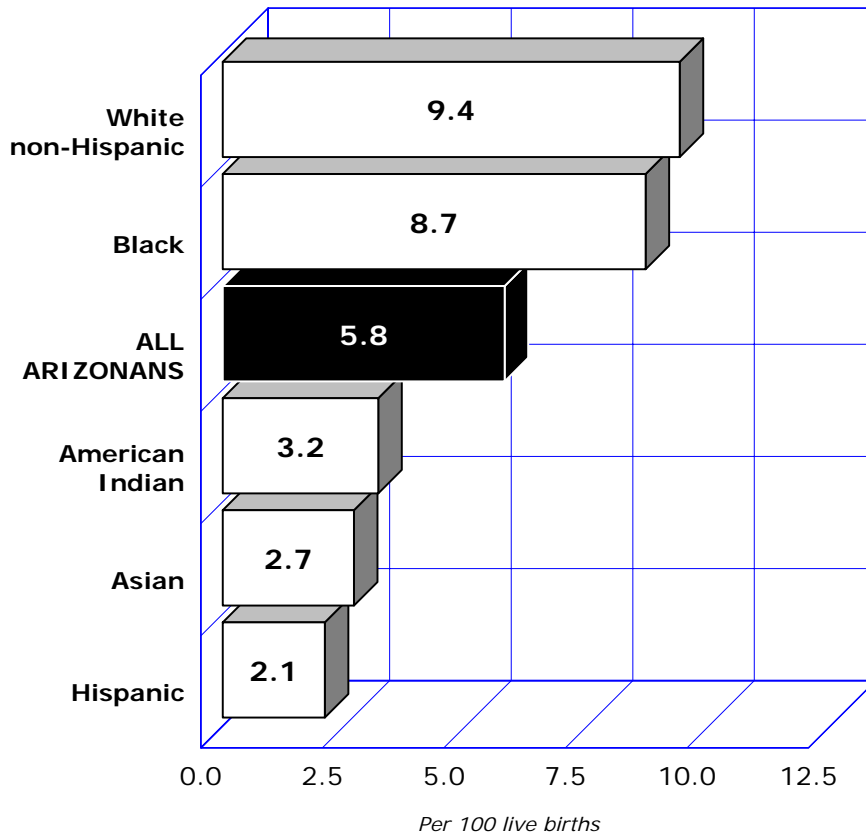


COMPARATIVE RATES FOR 2000 AND 2003:

2-1 UNMARRIED MOTHERS						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	39.3	24.8	51.4	62.2	68.5	15.1
2003	41.2	25.1	52.7	62.7	72.4	16.3
% change from 2000	4.8	1.2	2.5	0.8	5.7	7.9

**2-2**

**Tobacco Use During Pregnancy**

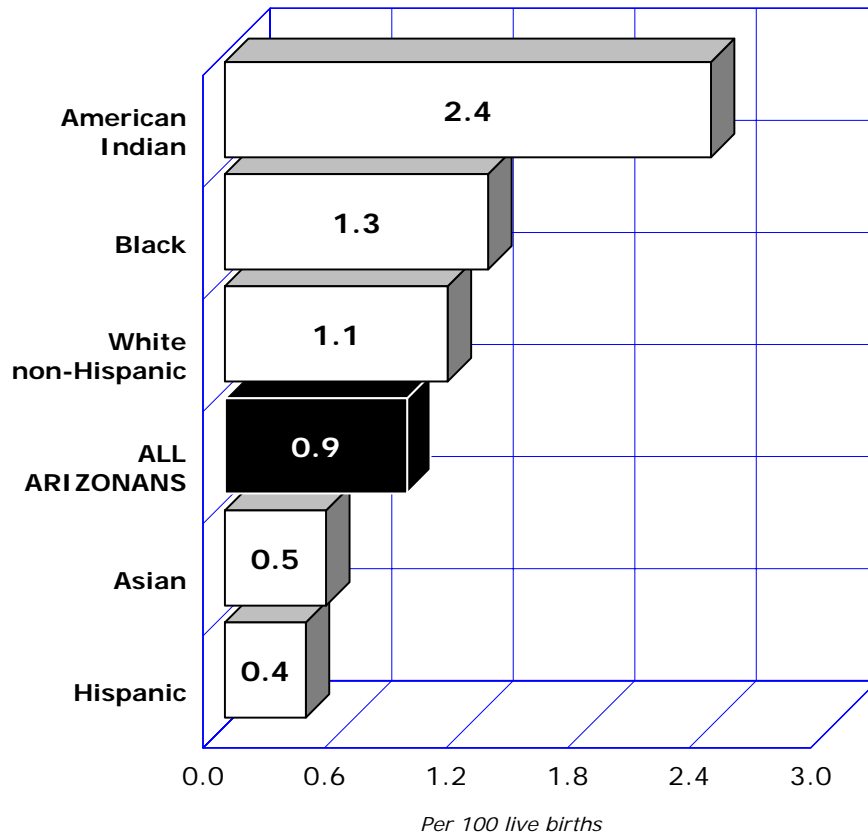


COMPARATIVE RATES FOR 2000 AND 2003:

2-2 TOBACCO USE						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	6.8	11.0	2.4	11.0	3.5	2.5
2003	5.8	9.4	2.1	8.7	3.2	2.8
% change from 2000	-14.7	-14.5	-12.5	-20.9	-8.5	12.0

**2-3**

**Alcohol Use During Pregnancy**

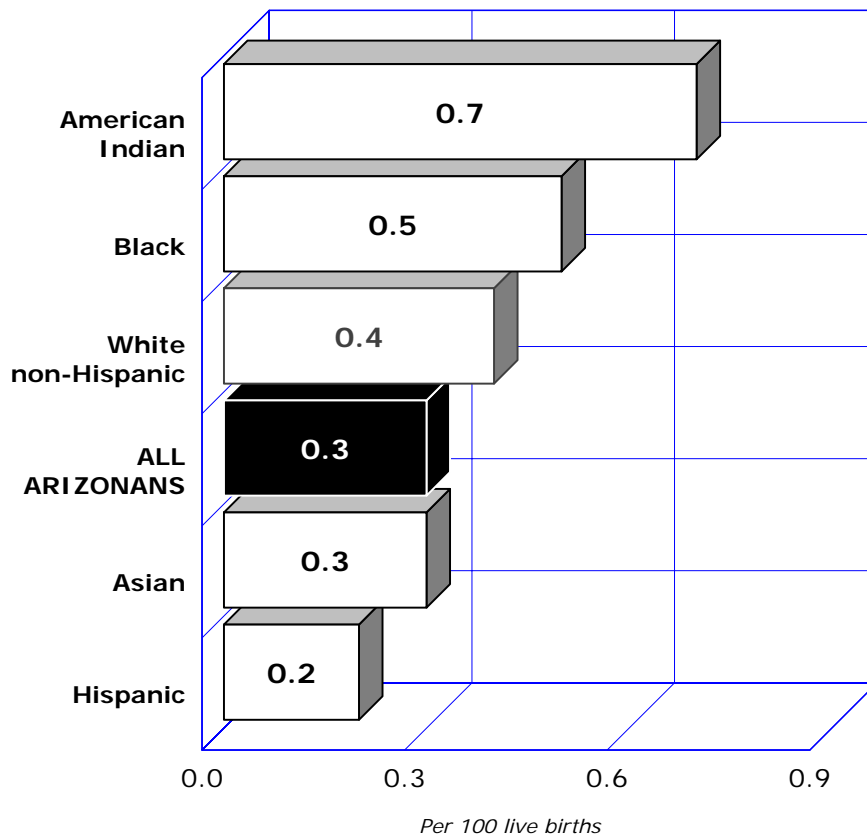


COMPARATIVE RATES FOR 2000 AND 2003:

2-3 ALCOHOL USE						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	1.0	1.3	0.6	1.6	2.3	0.6
2003	0.9	1.1	0.4	1.3	2.4	0.5
% change from 2000	-10.0	-15.4	-33.3	-18.8	4.3	-16.7

**2-4**

**The Incidence of Chronic Hypertension in Women Giving Birth**



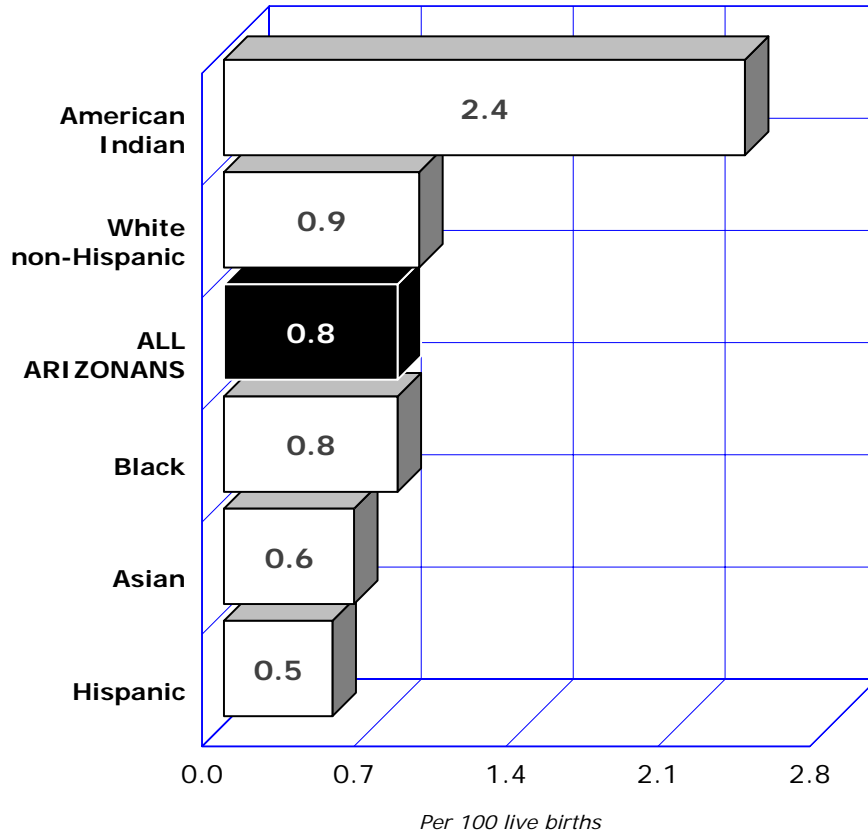
COMPARATIVE RATES FOR 2000 AND 2003:

2-4 CHRONIC HYPERTENSION						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	0.4	0.4	0.2	0.7	1.3	0.3
2003	0.3	0.4	0.2	0.5	0.7	0.3
% change from 2000	-25.0	0.0	0.0	-28.6	-46.2	0.0



# 2-5

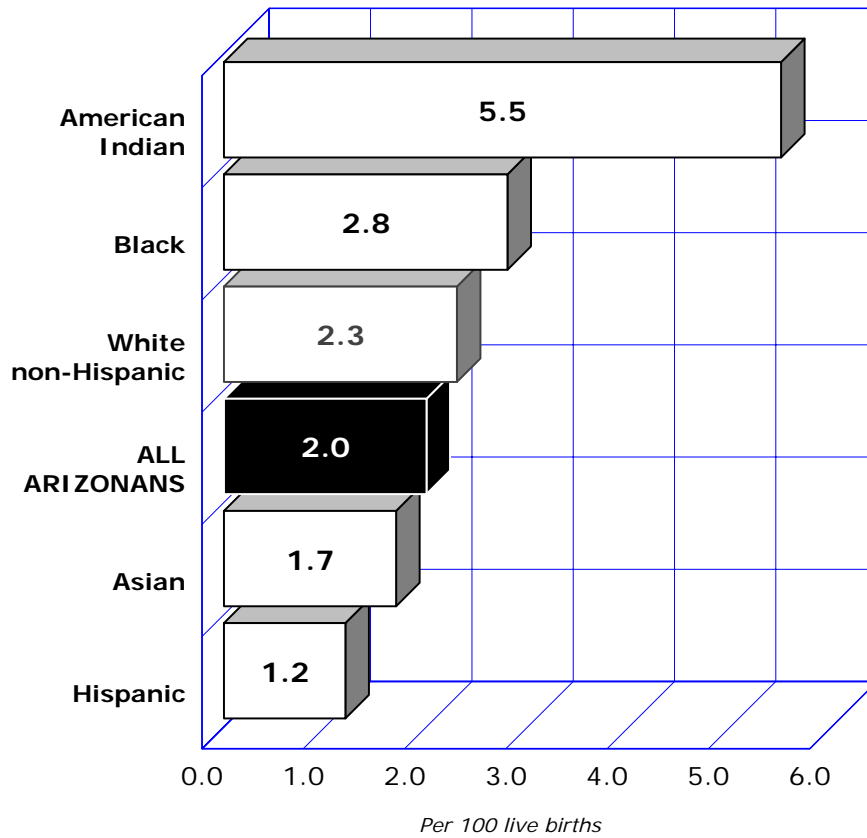
## Dysfunctional Labor



COMPARATIVE RATES FOR 2000 AND 2003:

2-5 DYSFUNCTIONAL LABOR						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	0.8	0.8	0.5	0.7	2.2	0.8
2003	0.8	0.9	0.5	0.8	2.4	0.6
% change from 2000	0.0	12.5	0.0	14.2	9.1	-25.0

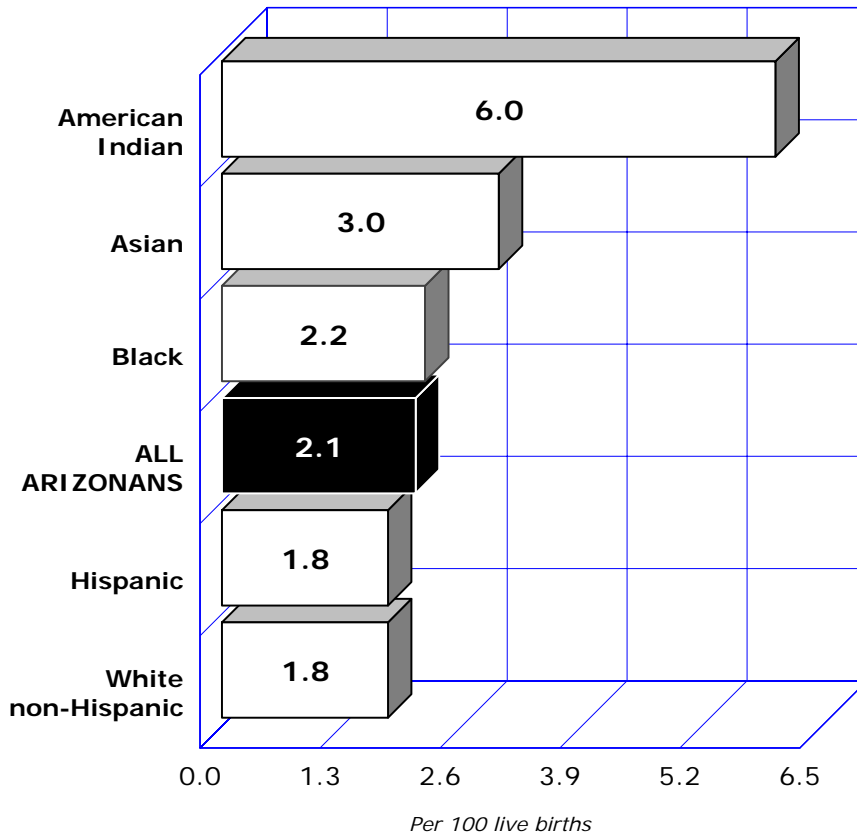
## 2-6 The Incidence of Anemia During Pregnancy



COMPARATIVE RATES FOR 2000 AND 2003:

2-6 ANEMIA DURING PREGNANCY						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	1.7	1.7	1.1	2.0	4.8	1.1
2003	2.0	2.3	1.2	2.8	5.5	1.7
% change from 2000	17.6	35.3	9.1	40.0	14.6	54.5

## 2-7 The Incidence of Diabetes During Pregnancy

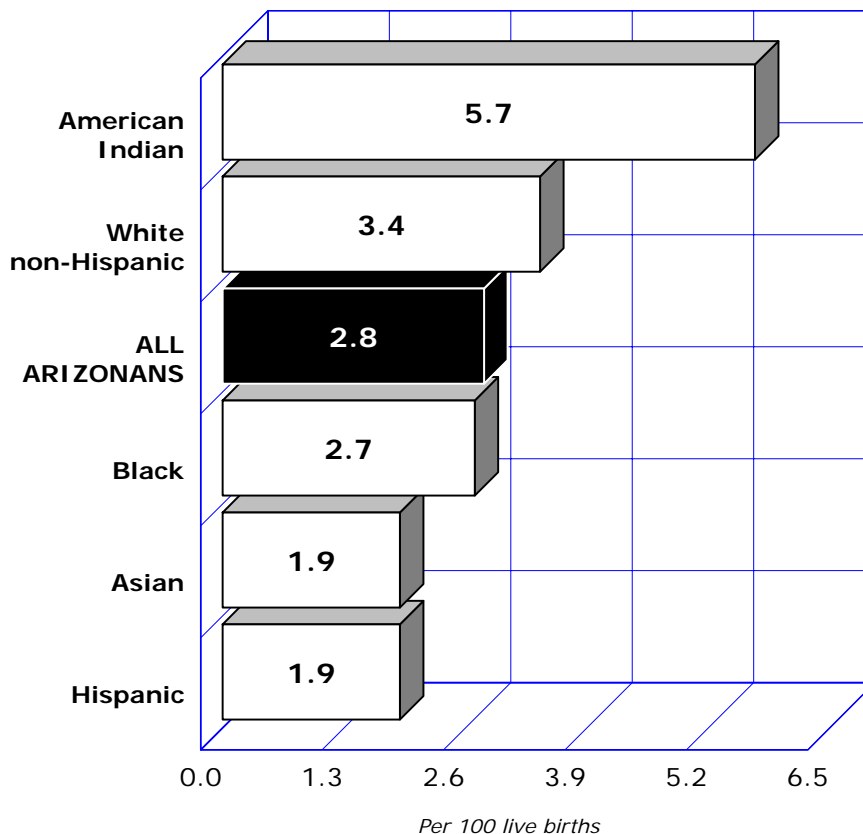


COMPARATIVE RATES FOR 2000 AND 2003:

2-7 DIABETES DURING PREGNANCY						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	2.3	1.9	2.0	1.8	6.7	3.1
2003	2.1	1.8	1.8	2.2	6.0	3.0
% change from 2000	-8.7	-5.3	10.0	22.2	-10.4	-3.2

**2-8**

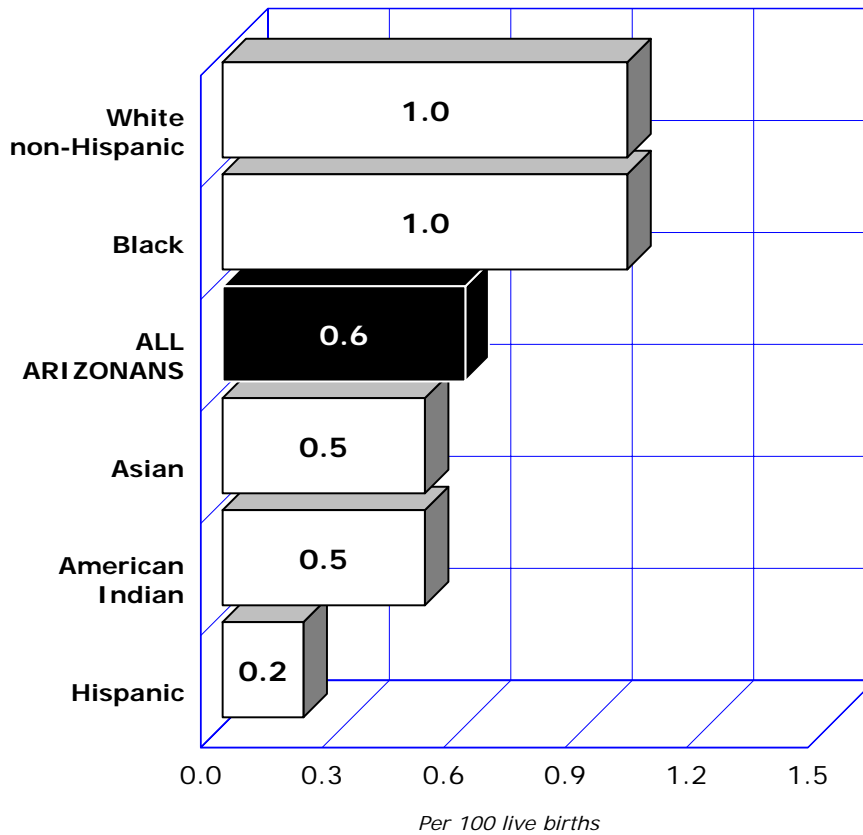
**The Incidence of Pregnancy-Associated Hypertension**



COMPARATIVE RATES FOR 2000 AND 2003:

2-8 PREGNANCY-ASSOCIATED HYPERTENSION						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	3.0	3.6	2.0	2.9	5.6	2.3
2003	2.8	3.4	1.9	2.7	5.7	1.9
% change from 2000	-6.7	-5.6	-5.0	-6.9	1.8	-17.4

## 2-9 The Incidence of Genital Herpes During Pregnancy

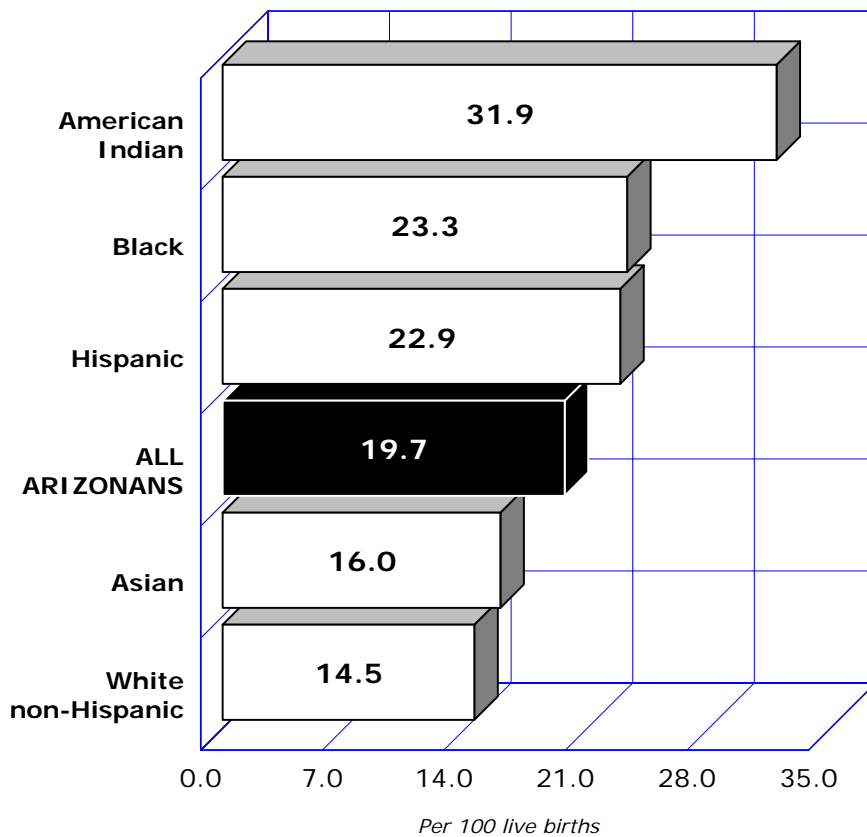


COMPARATIVE RATES FOR 2000 AND 2003:

2-9 GENITAL HERPES DURING PREGNANCY						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	0.7	1.2	0.2	0.7	0.3	0.5
2003	0.6	1.0	0.2	1.0	0.5	0.5
% change from 2000	-14.3	-16.7	0.0	42.9	0.7	0.0

**2-10**

**Maternal Weight Gain of Less Than 21 Pounds**



COMPARATIVE RATES FOR 2000 AND 2003:

2-10 WEIGHT GAIN OF LESS THAN 21 POUNDS						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	19.1	15.4	21.3	22.4	30.4	16.7
2003	19.7	14.5	22.9	23.3	31.9	16.0
% change from 2000	3.1	-5.8	7.5	4.0	4.9	-4.2

# 3. Utilization of Prenatal Care Services

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No Care in the 1<sup>st</sup> Trimester

Fewer Than Five Prenatal Visits

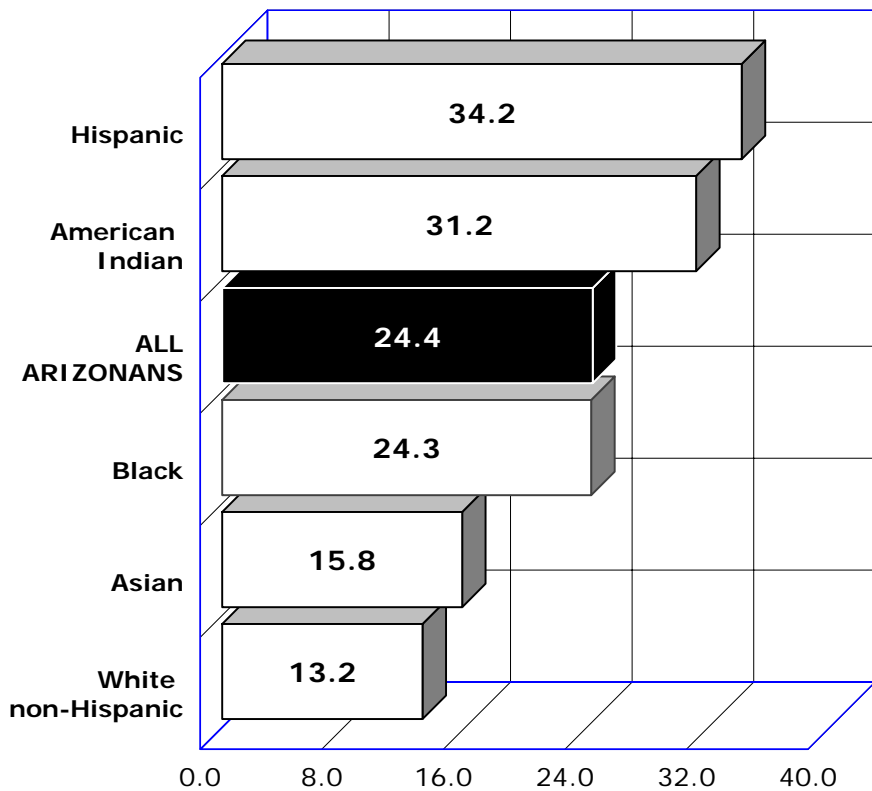
No Prenatal Care





**3-1**

**No Care in the 1st Trimester**



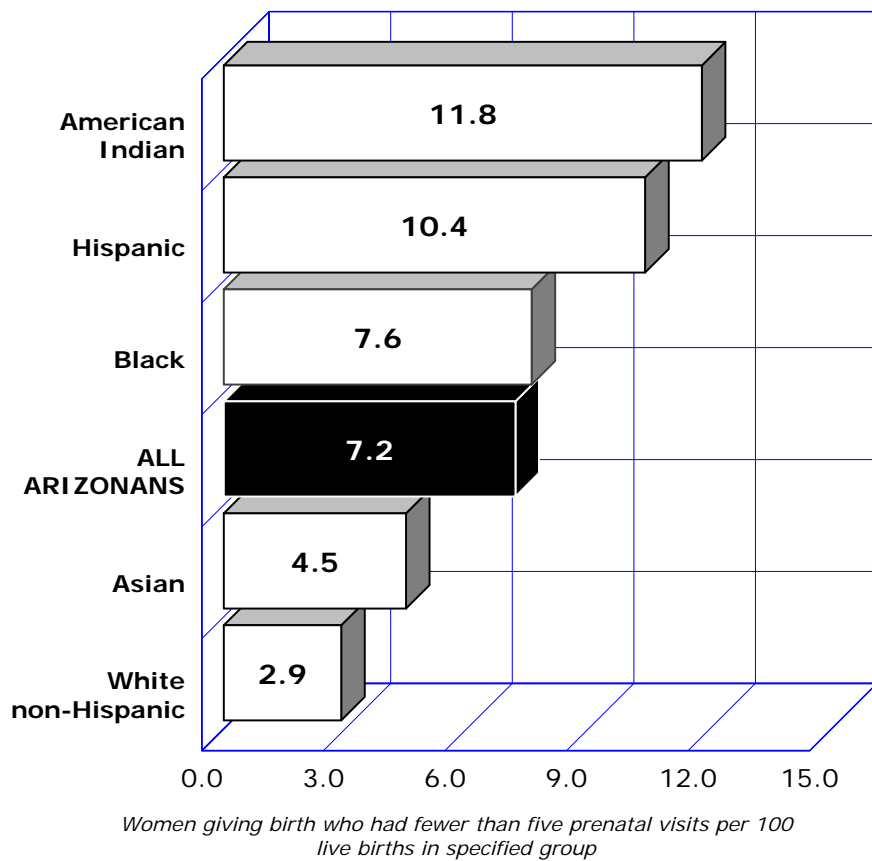
*Women giving birth who received no prenatal care in the first trimester of pregnancy per 100 live births in specified group*

COMPARATIVE RATES FOR 2000 AND 2003:

3-1 NO CARE IN THE 1 <sup>ST</sup> TRIMESTER						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	25.0	14.0	36.5	28.9	34.2	15.0
2003	24.4	13.2	34.2	24.3	31.2	15.8
% change from 2000	-2.4	-5.7	-6.3	-15.9	-8.8	5.3

**3-2**

**Fewer than Five Prenatal Visits**

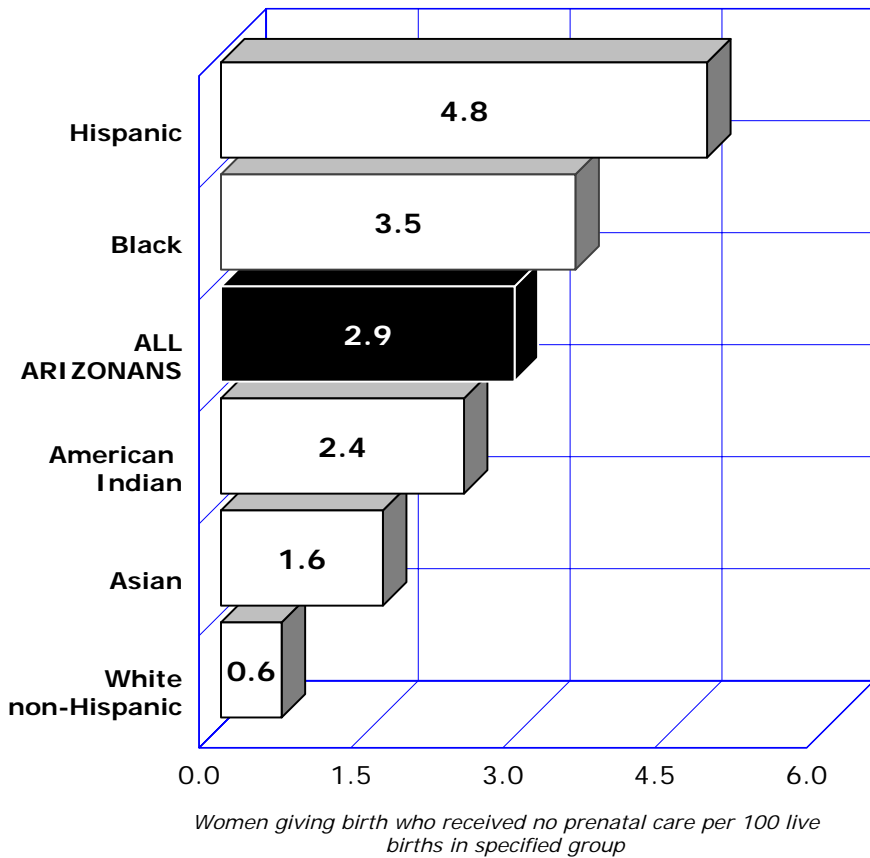


COMPARATIVE RATES FOR 2000 AND 2003:

3-2 FEWER THAN FIVE PRENATAL VISITS						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	6.7	2.8	10.5	6.6	12.5	3.3
2003	7.2	2.9	10.4	7.6	11.8	4.5
% change from 2000	7.5	3.6	-0.9	15.2	-5.6	36.4

**3-3**

**No Prenatal Care**



COMPARATIVE RATES FOR 2000 AND 2003:

3-3 NO PRENATAL CARE						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	2.1	0.7	3.6	2.4	2.4	0.9
2003	2.9	0.6	4.8	3.5	2.4	1.6
% change from 2000	38.1	-14.3	33.3	45.8	0.0	77.8



# 4. Newborn's Health

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**The Incidence of Hyaline Membrane Disease**

**Newborn Intensive Care**

**Born Too Early (Preterm or < 37 Weeks)**

**The Incidence of Low-Birthweight Births**

**The Incidence of Very Low-Birthweight Births**

**The Incidence of Congenital Anomalies  
(Birth Defects)**

**Infant Mortality**

**Sudden Infant Death Syndrome**

**Mortality of Infants from Low-Birthweight/  
Short Gestation**

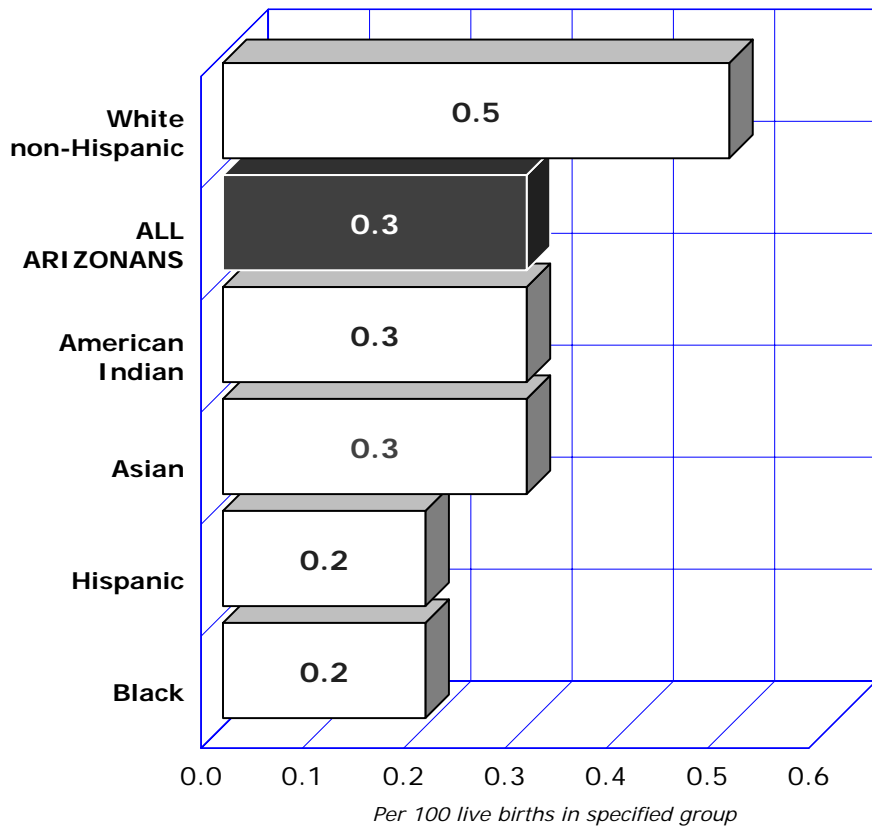
**Neonatal Mortality**

**Postneonatal Mortality**



**4-1**

**The Incidence of Hyaline Membrane Disease\***

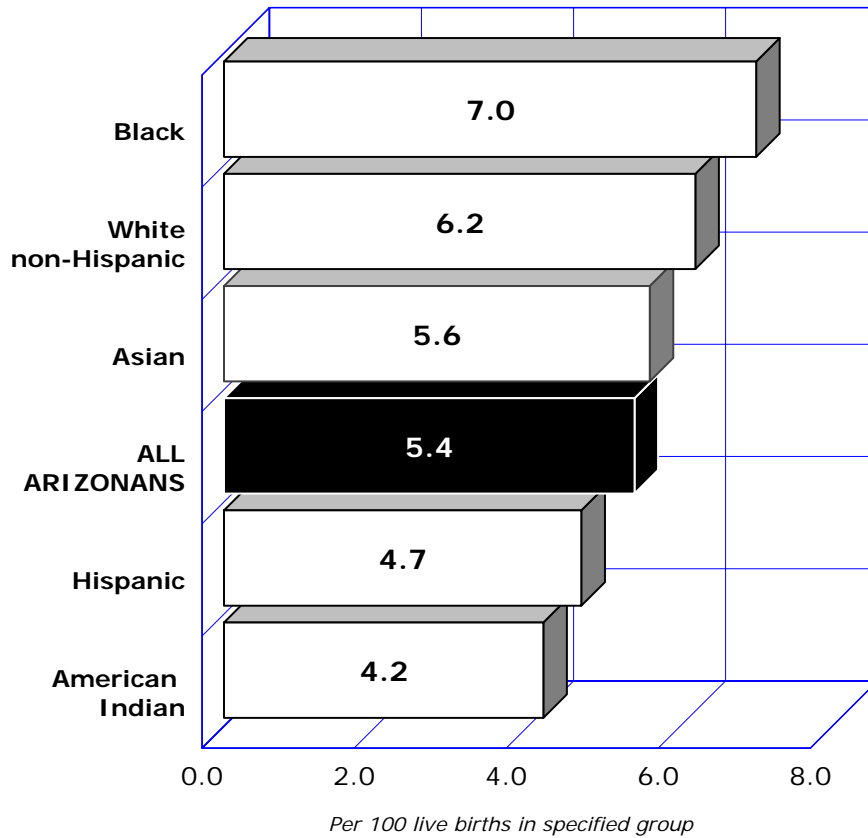


\* A disorder primarily of prematurity, manifested clinically by respiratory distress and pathologically by pulmonary hyaline membranes and incomplete expansion of the lungs at birth.

COMPARATIVE RATES FOR 2000 AND 2003:

4-1 HYALINE MEMBRANE DISEASE REPORTED						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	0.3	0.4	0.2	0.6	0.2	0.3
2003	0.3	0.5	0.2	0.2	0.3	0.3
% change from 2000	0.0	25.0	0.0	-66.7	50.0	0.0

## 4-2 The Incidence of Newborn Intensive Care



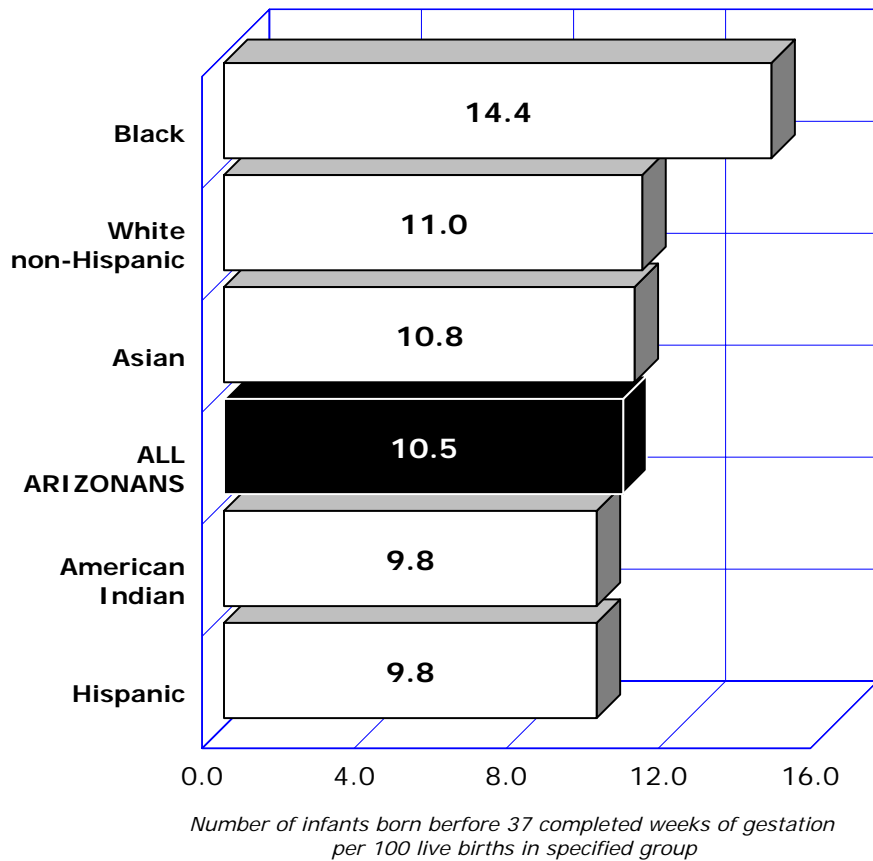
COMPARATIVE RATES FOR 2000 AND 2003:

4-2 ADMITTED TO NEWBORN INTENSIVE CARE						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	5.8	5.5	6.3	9.3	4.6	4.3
2003	5.4	6.2	4.7	7.0	4.2	5.6
% change from 2000	-6.9	12.7	-25.4	-24.7	-8.7	30.2



**4-3**

**Born Too Early  
(Preterm or < 37 Weeks)**

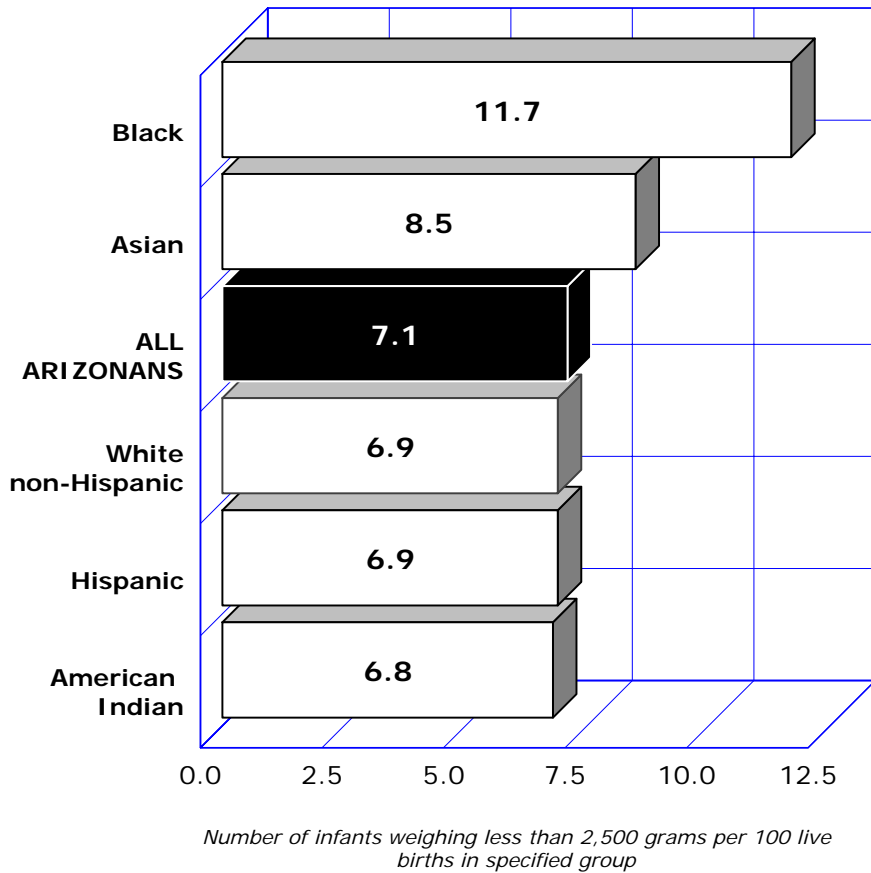


COMPARATIVE RATES FOR 2000 AND 2003:

4-3 BORN TOO EARLY (PRETERM OR < 37 WEEKS)						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	10.3	10.5	9.8	14.9	9.4	9.3
2003	10.5	11.0	9.8	14.4	9.8	10.8
% change from 2000	1.9	4.8	0.0	-3.4	4.3	16.1

**4-4**

**Born Too Small:  
Low-Birthweight**

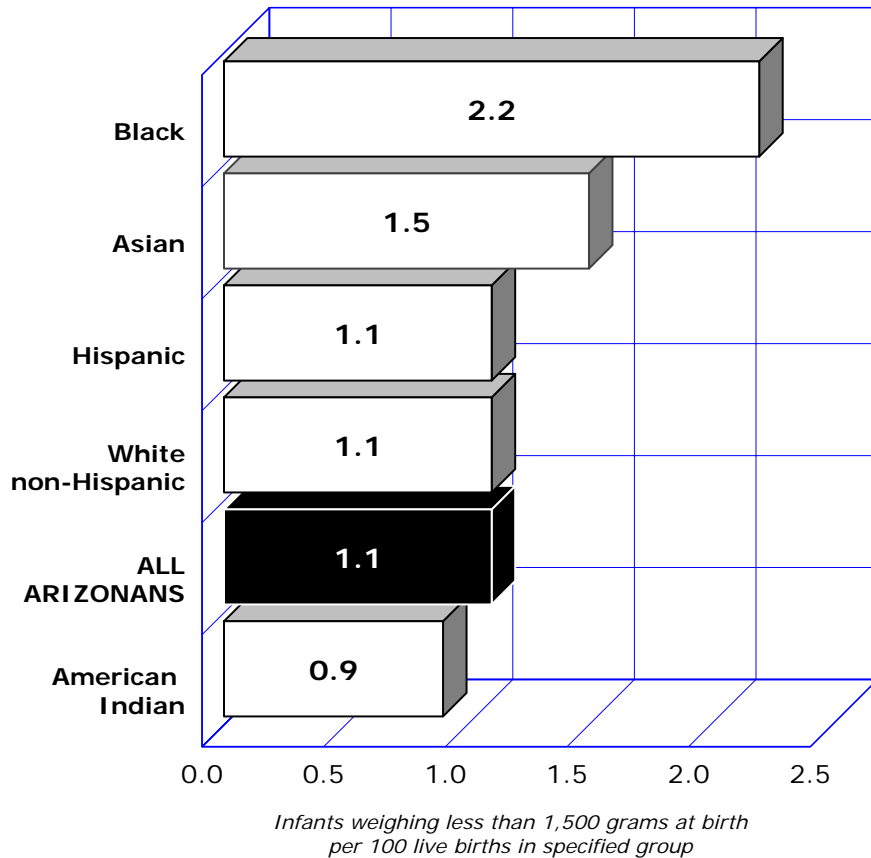


COMPARATIVE RATES FOR 2000 AND 2003:

4-4 BORN TOO SMALL: LOW-BIRTHWEIGHT (<2,500 GRAMS)						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	7.0	7.0	6.7	13.0	6.7	7.6
2003	7.1	6.9	6.9	11.7	6.8	8.5
% change from 2000	1.4	1.4	2.9	-10.0	1.5	11.8

**4-5**

**Born Too Small:  
Very Low-Birthweight**

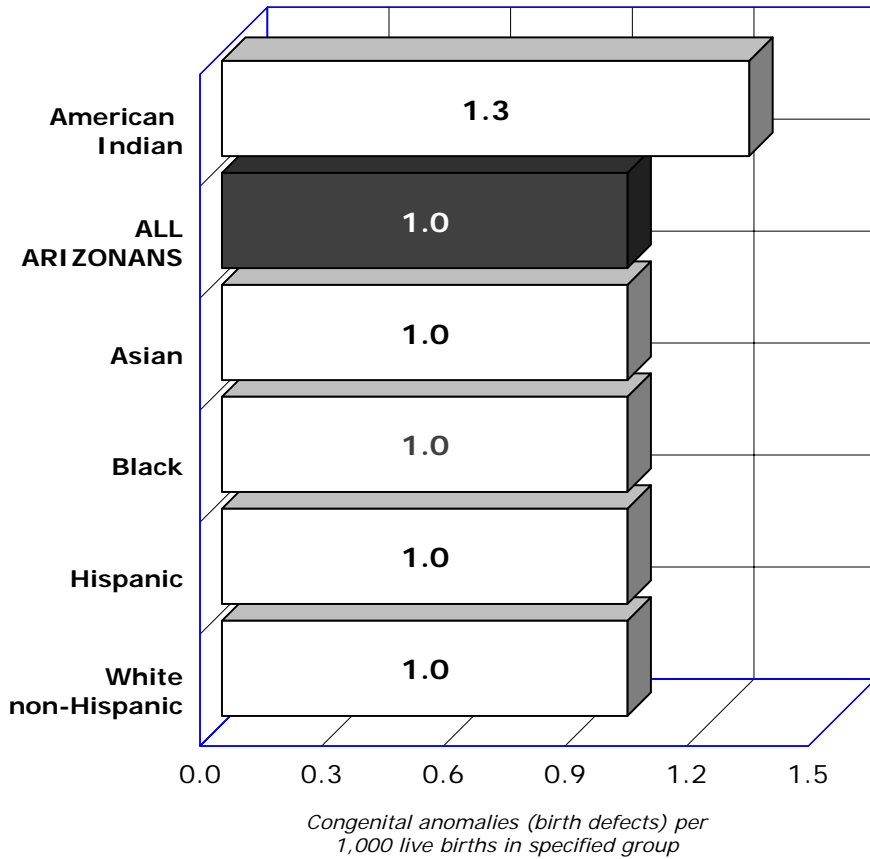


COMPARATIVE RATES FOR 2000 AND 2003:

4-5 BORN TOO SMALL: VERY LOW-BIRTHWEIGHT (<1,500 GRAMS)						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	1.2	1.1	1.1	2.6	1.4	1.2
2003	1.1	1.1	1.1	2.2	0.9	1.5
% change from 2000	-8.3	0.0	0.0	-15.4	-35.7	25.0

**4-6**

**The Incidence of Congenital Anomalies**

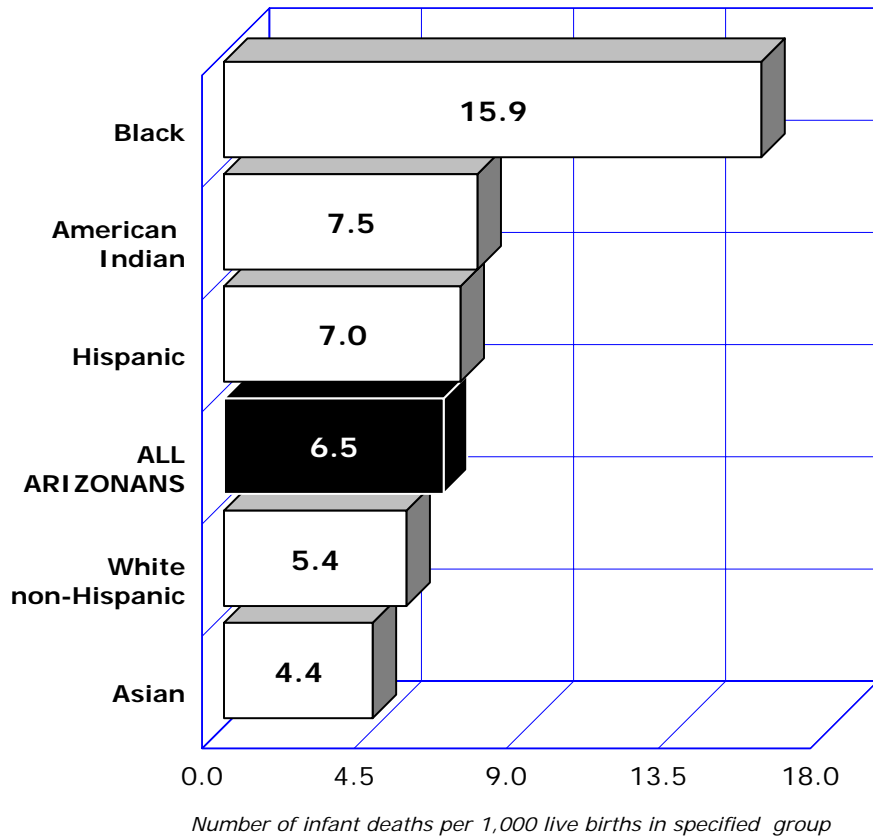


COMPARATIVE RATES FOR 2000 AND 2003:

4-6 THE INCIDENCE OF CONGENITAL ANOMALIES						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	1.3	1.5	0.9	1.1	1.9	0.8
2003	1.0	1.0	1.0	1.0	1.3	1.0
% change from 2000	-23.1	-33.3	11.1	-9.1	-31.6	25.0

**4-7**

**Infant Mortality**

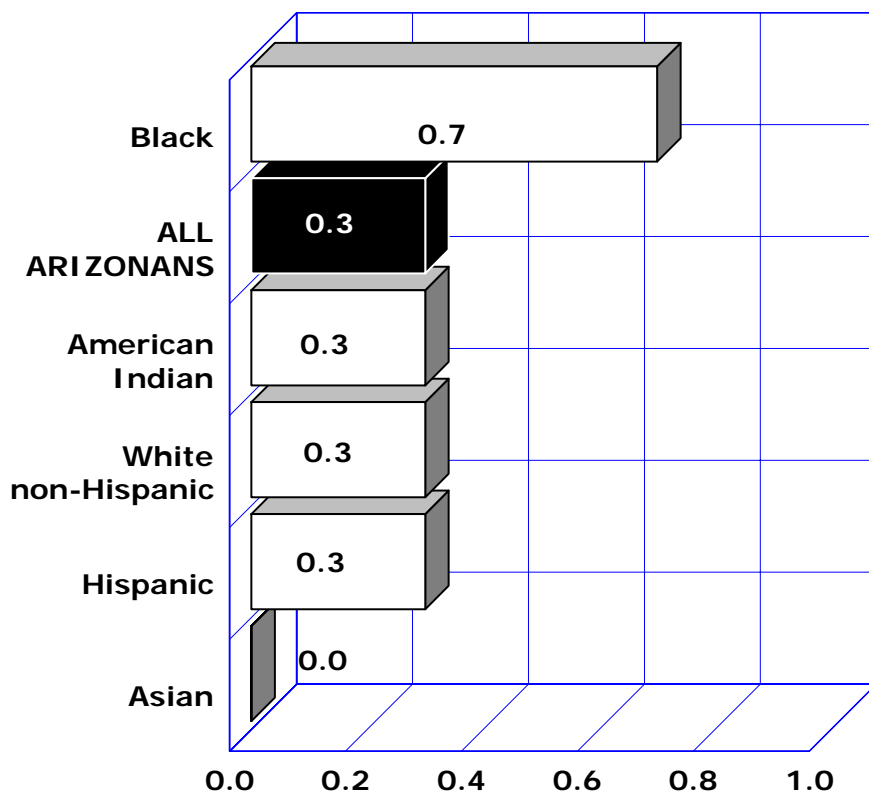


COMPARATIVE RATES FOR 2000 AND 2003:

4-7 INFANT MORTALITY						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	6.7	6.1	6.3	17.8	9.6	4.9
2003	6.5	5.4	7.0	15.9	7.5	4.4
% change from 2000	-3.0	-11.5	11.1	-10.7	-21.9	-10.2

**4-8**

**Infant Mortality  
from SIDS\***



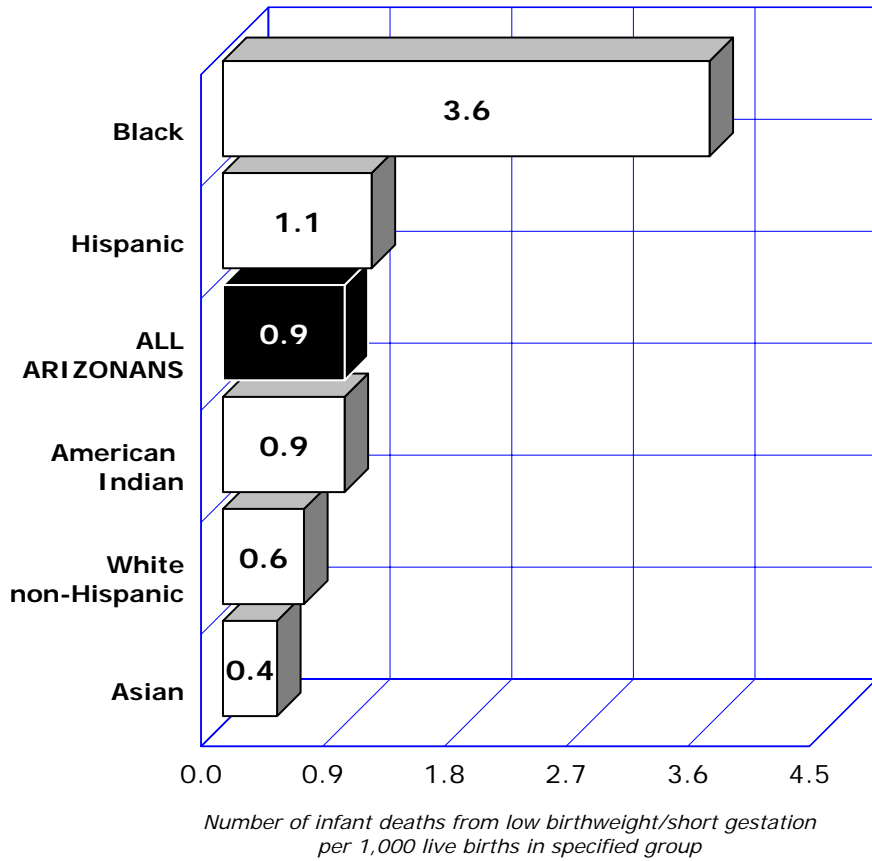
*Per 1,000 live births in specified mother's ethnic group*

\* Sudden Infant Death Syndrome.

COMPARATIVE RATES FOR 2000 AND 2003:

4-8 SUDDEN INFANT DEATH SYNDROME (SIDS)						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	0.3	0.3	0.2	0.7	0.7	0.0
2003	0.3	0.3	0.3	0.7	0.3	0.0
% change from 2000	0.0	0.0	50.0	0.0	-57.1	0.0

# 4-9 Mortality of Infants from Low Birthweight/Short Gestation

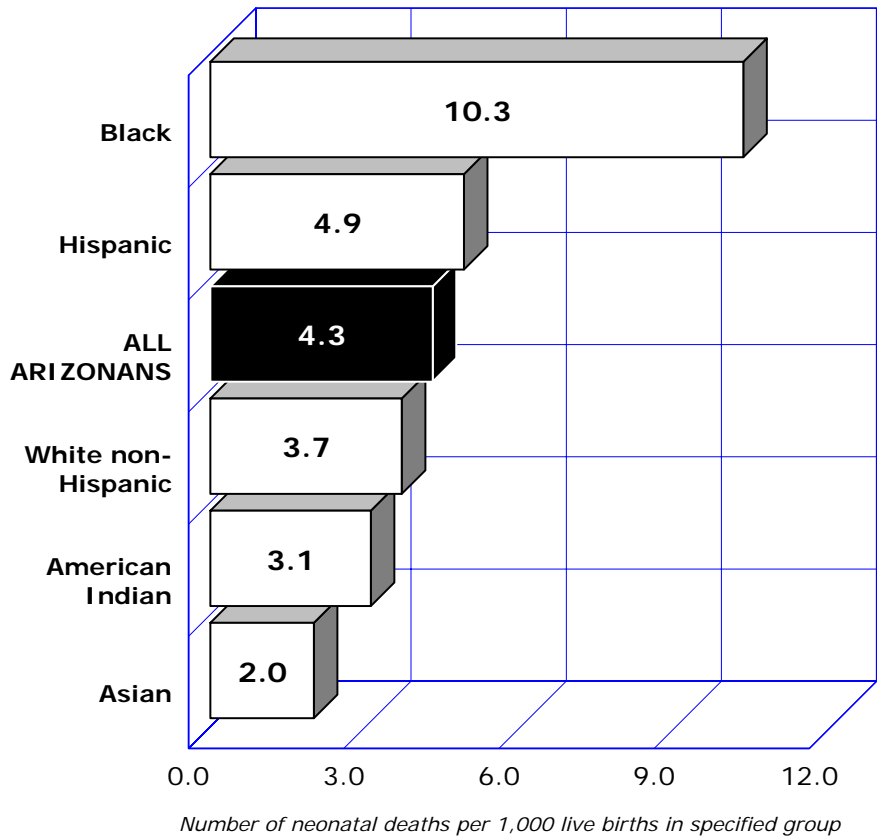


COMPARATIVE RATES FOR 2000 AND 2003:

4-9 MORTALITY OF INFANTS FROM LOW BIRTHWEIGHT/SHORT GESTATION						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	0.6	0.4	0.9	2.5	0.9	0.0
2003	0.9	0.6	1.1	3.6	0.9	0.4
% change from 2000	50.0	50.0	22.2	44.0	0.0	N/A

# 4-10

## Neonatal Mortality

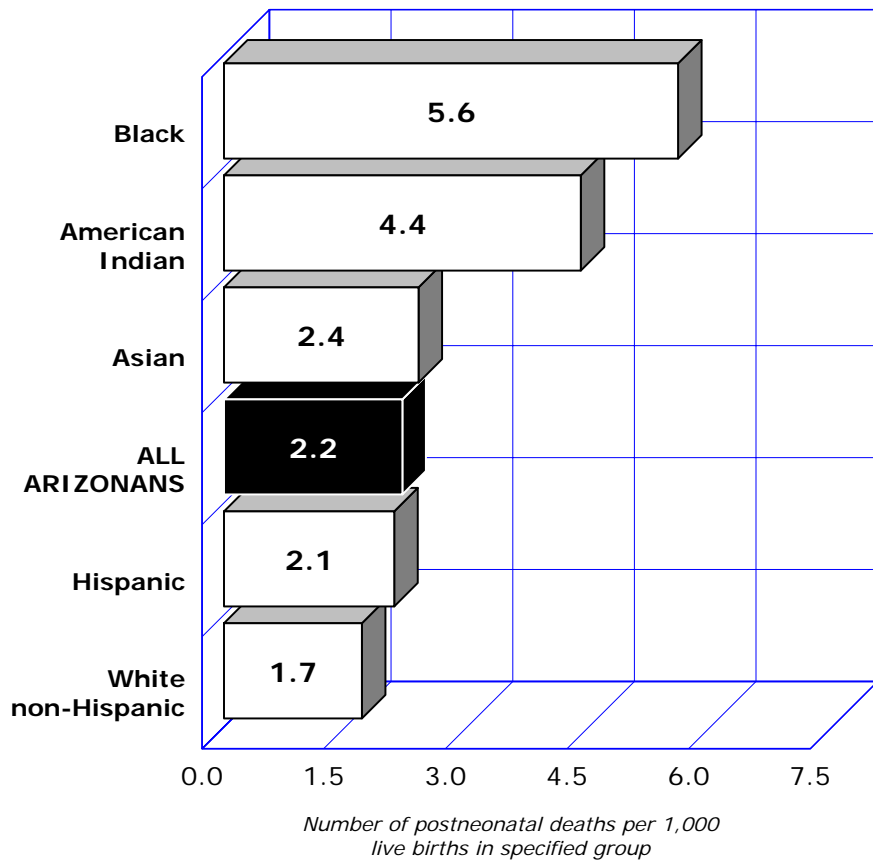


COMPARATIVE RATES FOR 2000 AND 2003:

4-10 NEONATAL MORTALITY						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	4.3	3.8	4.2	9.8	6.4	2.0
2003	4.3	3.7	4.9	10.3	3.1	2.0
% change from 2000	0.0	-2.6	16.7	5.1	-51.6	0.0



# 4-11 Postneonatal Mortality



COMPARATIVE RATES FOR 2000 AND 2003:

4-11 POSTNEONATAL MORTALITY						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	2.4	2.3	2.0	8.0	3.2	2.0
2003	2.2	1.7	2.1	5.6	4.4	2.4
% change from 2000	-8.3	-26.1	5.0	-30.0	37.5	20.0



# 5. Mortality from Natural Causes

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**Mortality from Cardiovascular Diseases**

**Mortality from Diseases of the Heart**

**Mortality from Coronary Heart Disease**

**Mortality from Cerebrovascular Disease**

**Mortality from Chronic Lower Respiratory Diseases**

**Mortality from Malignant Neoplasms**

**Mortality from Lung Cancer**

**Mortality from Breast Cancer**

**Mortality from Cervical Cancer**

**Mortality from Colorectal Cancer**

**Mortality from Prostate Cancer**

**Mortality from Influenza and Pneumonia**

**Mortality from Diabetes**

**Mortality from Chronic Liver Disease and Cirrhosis**

**Mortality from HIV Disease**

**Mortality from Septicemia**

**Mortality from Alzheimer's Disease**

**Mortality from Nephritis, Nephrotic Syndrome & Nephrosis (kidney disease)**

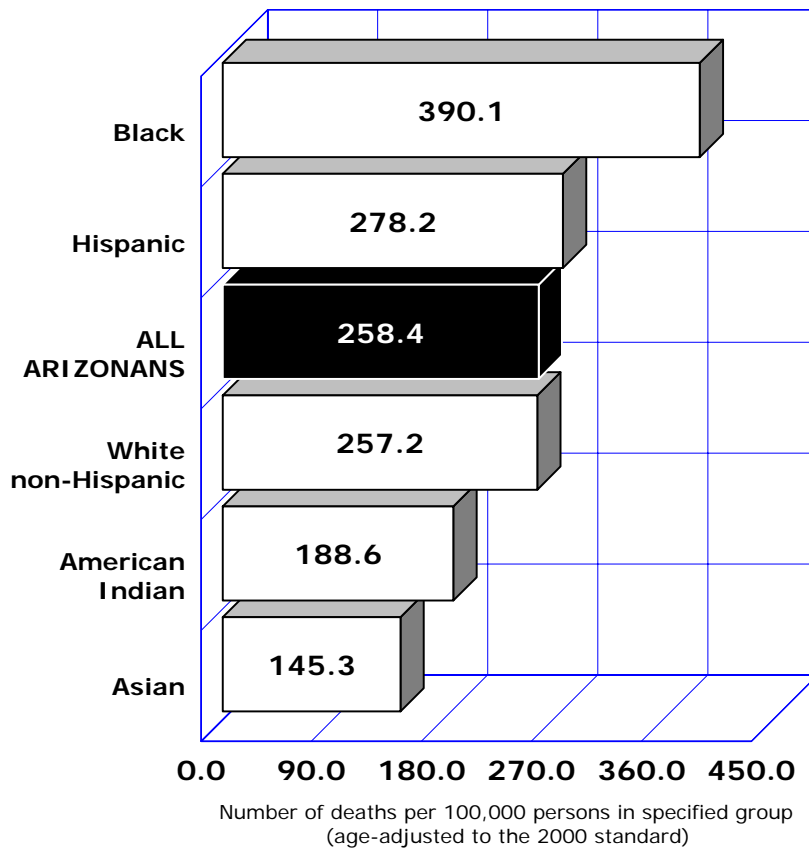
**Mortality from Essential (primary) Hypertension**

**Mortality from All Causes**



**5-1**

**Mortality from Cardiovascular Diseases**

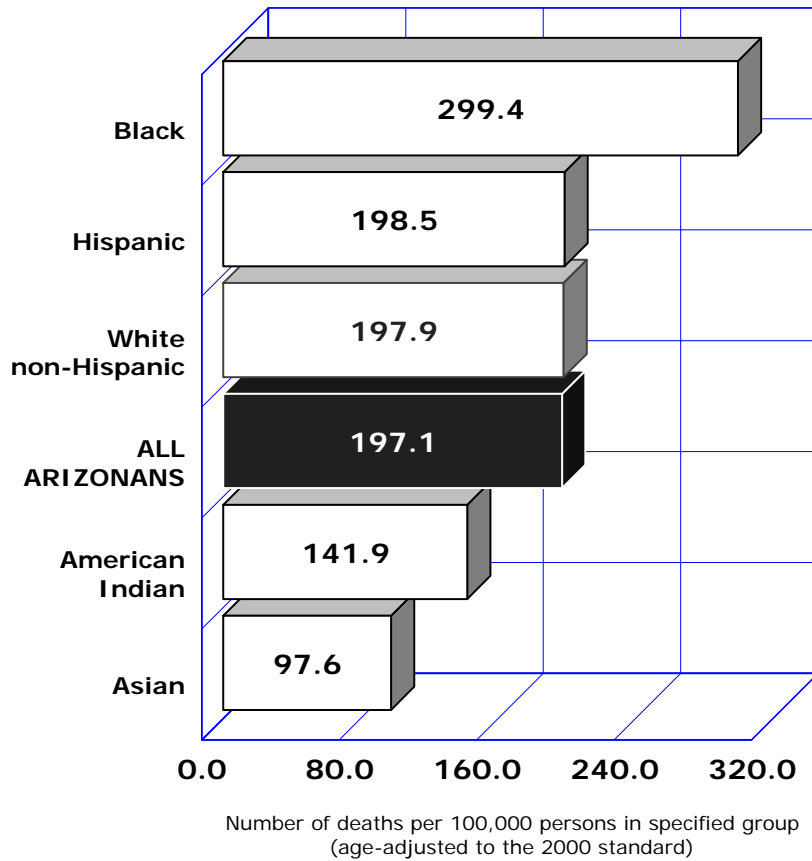


COMPARATIVE RATES FOR 2000 AND 2003:

5-1 CARDIOVASCULAR DISEASE						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	276.1	276.0	273.6	411.5	257.5	190.6
2003	258.4	257.2	278.2	390.1	188.6	145.3
% change from 2000	-6.4	-6.8	1.7	-5.2	-26.8	-23.8

**5-2**

**Mortality from Diseases of the Heart**

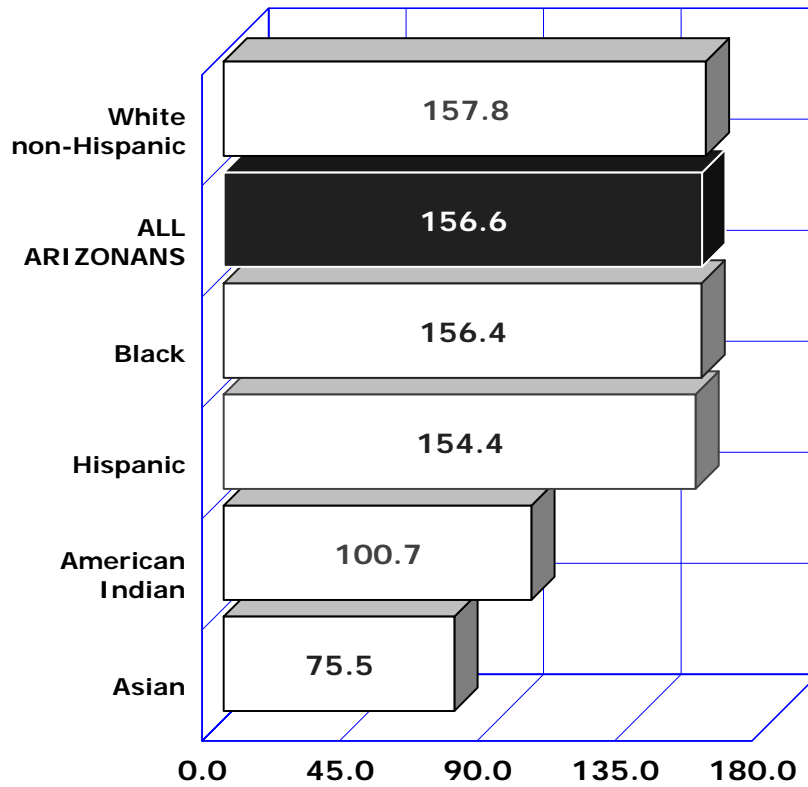


COMPARATIVE RATES FOR 2000 AND 2003:

5-2 DISEASES OF THE HEART						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	206.1	207.2	204.7	289.5	183.8	132.3
2003	197.1	197.9	198.5	299.4	141.9	97.6
% change from 2000	-4.4	-4.5	-3.0	3.4	-22.8	-26.2

**5-3**

**Mortality from  
Coronary Heart Disease**



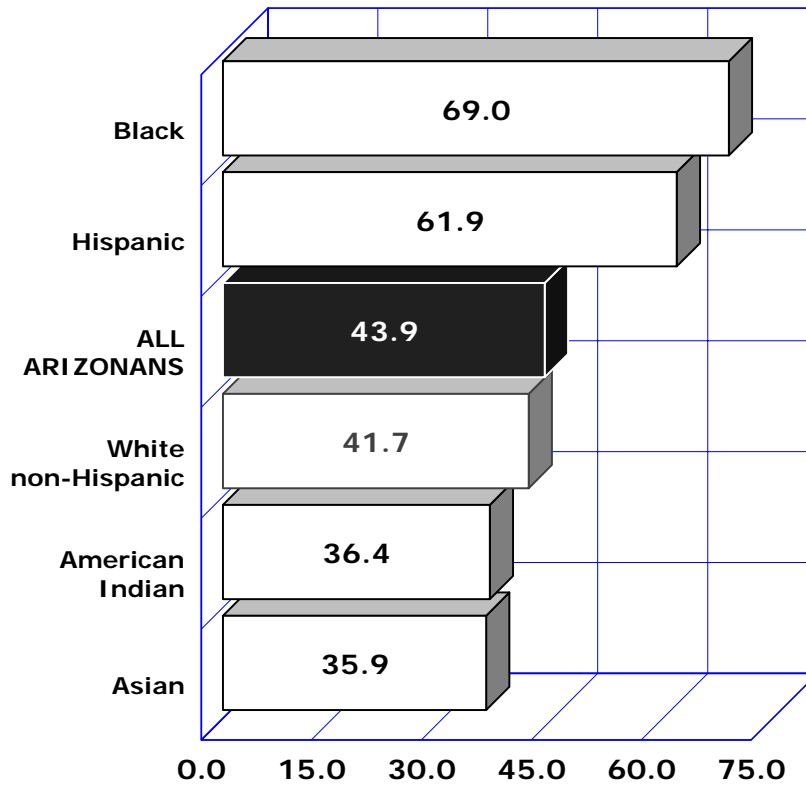
Number of deaths per 100,000 persons in specified group  
(age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

5-3 CORONARY HEART DISEASE						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	160.4	162.4	154.7	225.1	124.4	107.4
2003	156.6	157.8	154.4	245.7	100.7	75.5
% change from 2000	-2.4	-2.8	-0.2	9.2	-19.1	-29.7

**5-4**

**Mortality from Cerebrovascular Disease**



Number of deaths per 100,000 persons in specified group (age-adjusted to the 2000 standard)

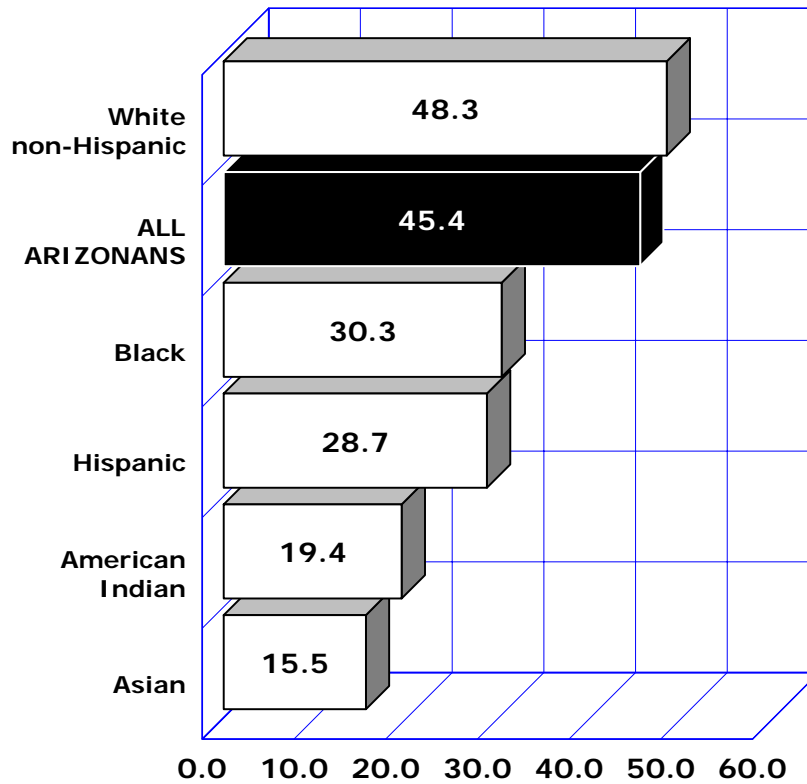
COMPARATIVE RATES FOR 2000 AND 2003:

5-4 CEREBROVASCULAR DISEASE						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	51.7	50.8	51.2	82.4	55.3	46.1
2003	43.9	41.7	61.9	69.0	36.4	35.9
% change from 2000	-15.1	-17.9	20.9	-16.3	-34.2	-22.1



**5-5**

**Mortality from  
Chronic Lower Respiratory  
Diseases\***



Number of deaths per 100,000 persons in specified group (age-adjusted to the 2000 standard)

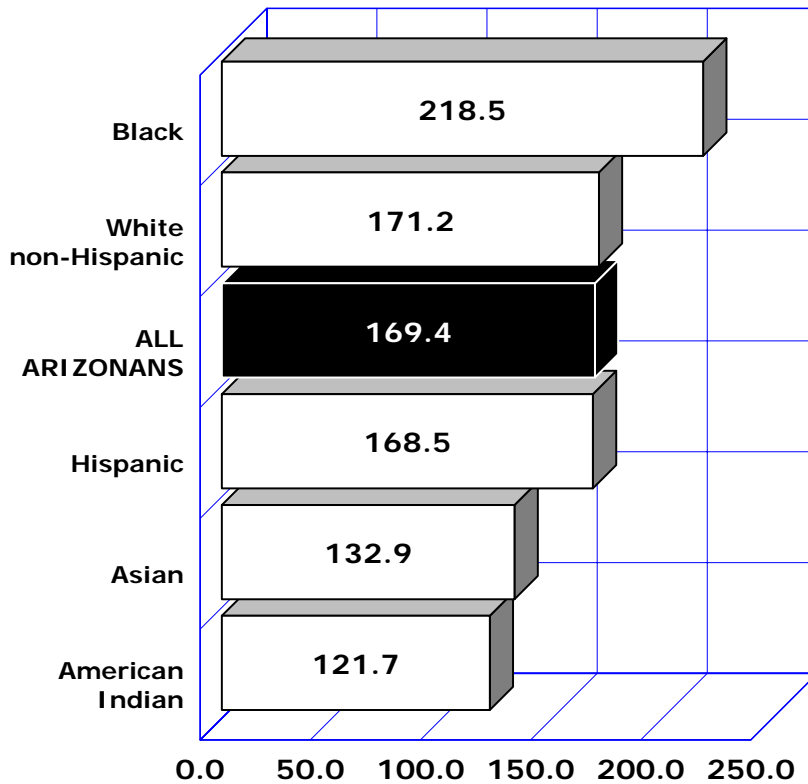
\* This ICD-10 title corresponds to Chronic obstructive pulmonary diseases in ICD-9.

COMPARATIVE RATES FOR 2000 AND 2003:

5-5 CHRONIC LOWER RESPIRATORY DISEASES						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	47.4	51.1	24.4	30.4	21.9	12.7
2003	45.4	48.3	28.7	30.3	19.4	15.5
% change from 2000	-4.2	-5.5	17.6	-0.3	-11.4	22.0

**5-6**

**Mortality from Malignant Neoplasms**



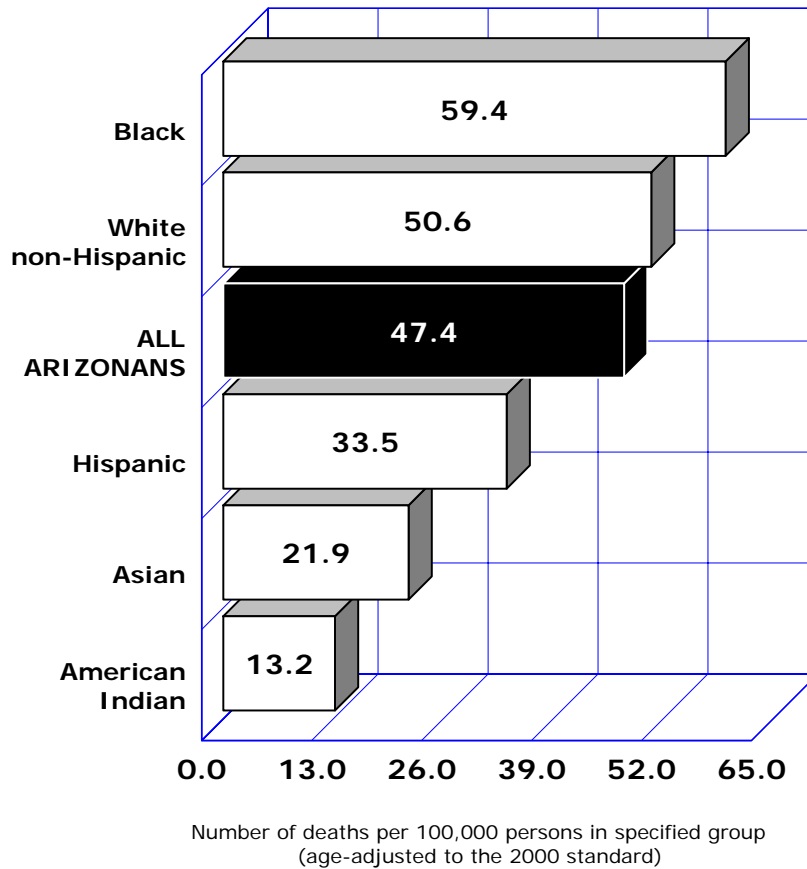
Number of deaths per 100,000 persons in specified group (age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

5-6 MALIGNANT NEOPLASM (CANCER)						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	170.4	174.8	156.9	216.1	123.0	103.4
2003	169.4	171.2	168.5	218.5	120.7	132.9
% change from 2000	-0.6	-2.1	7.4	1.1	-1.9	28.5

**5-7**

**Mortality from Lung Cancer**

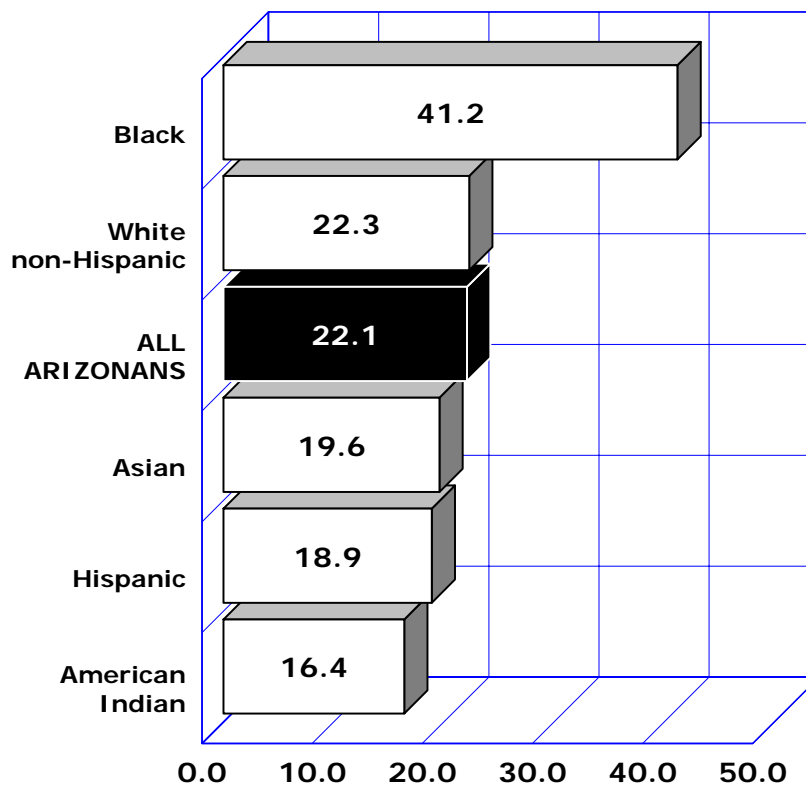


COMPARATIVE RATES FOR 2000 AND 2003:

5-7 LUNG CANCER						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	46.1	49.1	31.6	65.8	8.9	29.6
2003	47.4	50.6	33.5	59.4	13.2	21.9
% change from 2000	2.8	3.1	6.0	-9.7	48.3	-26.0

**5-8**

**Mortality from Breast Cancer**



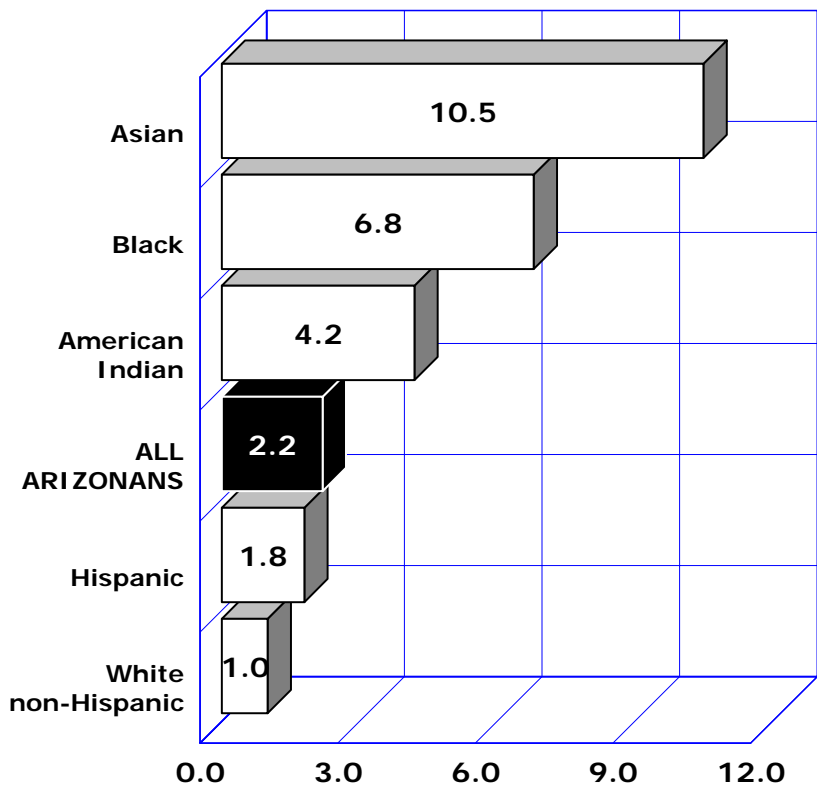
Number of deaths per 100,000 females in specified group (age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

5-8 BREAST CANCER						
Number of deaths per 100,000 females by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	25.4	26.2	20.7	29.5	12.1	12.8
2003	22.1	22.3	18.9	41.2	16.4	19.6
% change from 2000	-13.0	-14.9	-8.7	39.7	35.5	53.1

**5-9**

**Mortality from Cervical Cancer**



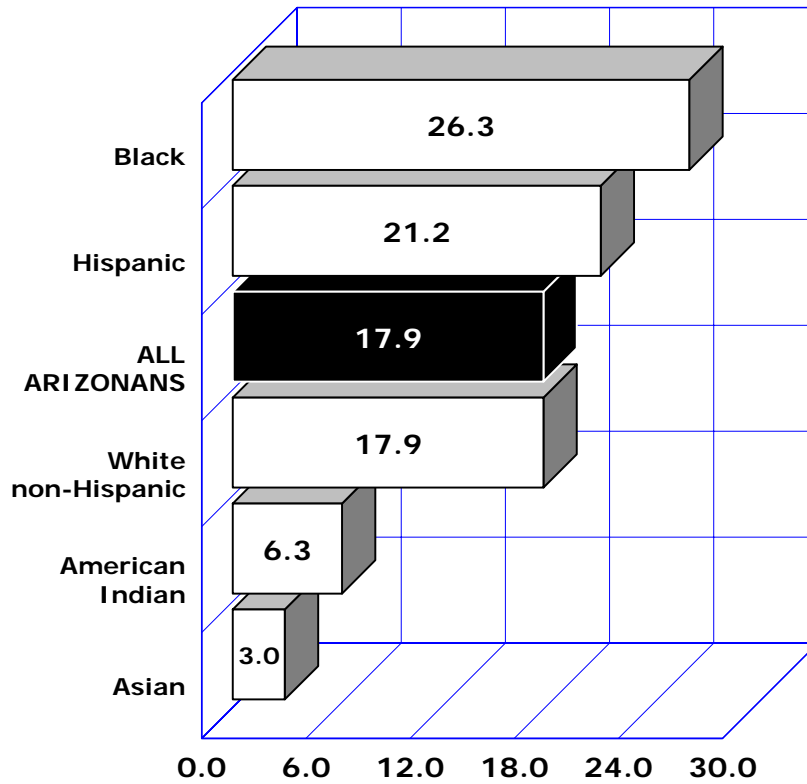
Number of deaths per 100,000 females in specified group (age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

5-9 CERVICAL CANCER						
Number of deaths per 100,000 females by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	3.0	2.5	3.7	7.6	10.1	3.5
2003	2.2	1.0	1.8	6.8	4.2	10.5
% change from 2000	-26.7	-60.0	-51.4	-10.5	-58.4	200.0

**5-10**

**Mortality from  
Colorectal Cancer**



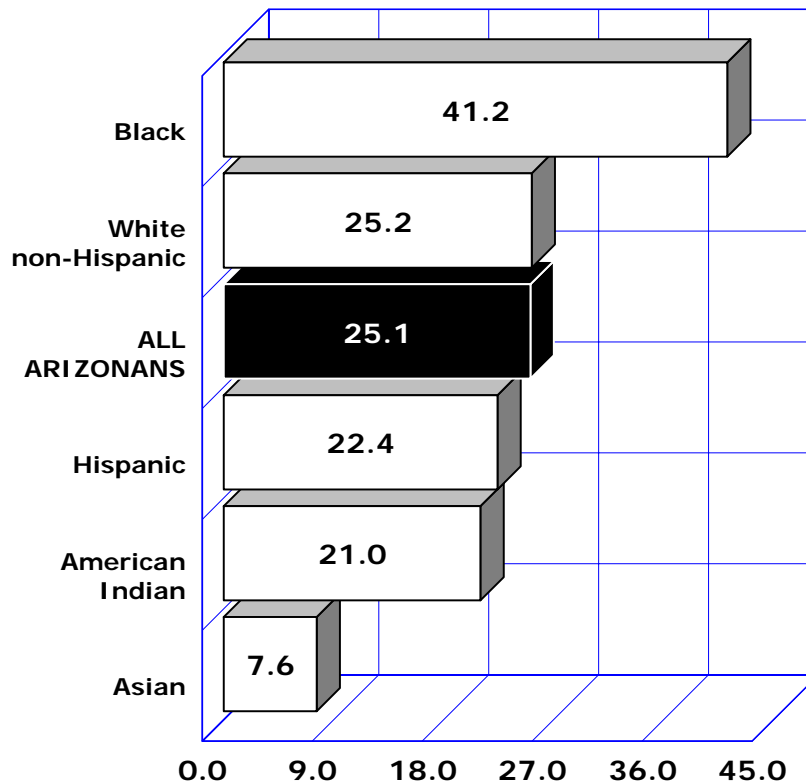
Number of deaths per 100,000 persons in specified group  
(age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

5-10 COLORECTAL CANCER						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	17.0	17.4	16.4	16.3	8.2	6.6
2003	17.9	17.9	21.2	26.3	6.3	3.0
% change from 2000	5.3	2.9	29.3	61.3	-23.2	-54.5

**5-11**

**Mortality from Prostate Cancer**

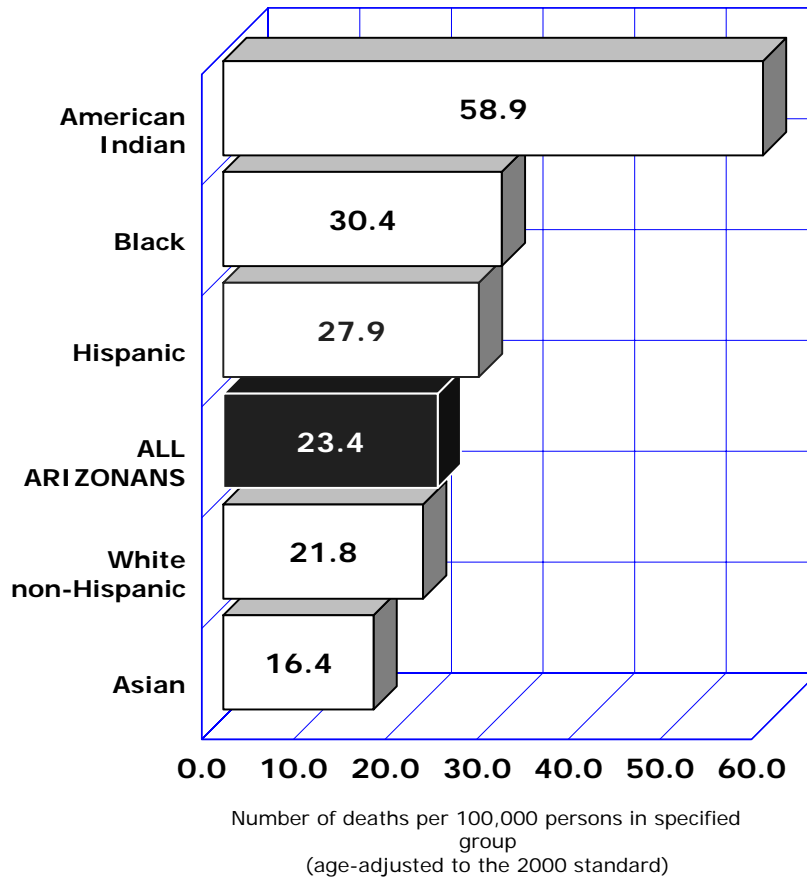


Number of deaths per 100,000 males in specified group (age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

5-11 PROSTATE CANCER						
Number of deaths per 100,000 males by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	28.4	28.0	30.0	74.8	27.1	8.9
2003	25.1	25.2	22.4	41.2	21.0	7.6
% change from 2000	-11.6	-10.0	-25.3	-44.9	-22.5	-14.6

# 5-12 Mortality from Influenza and Pneumonia



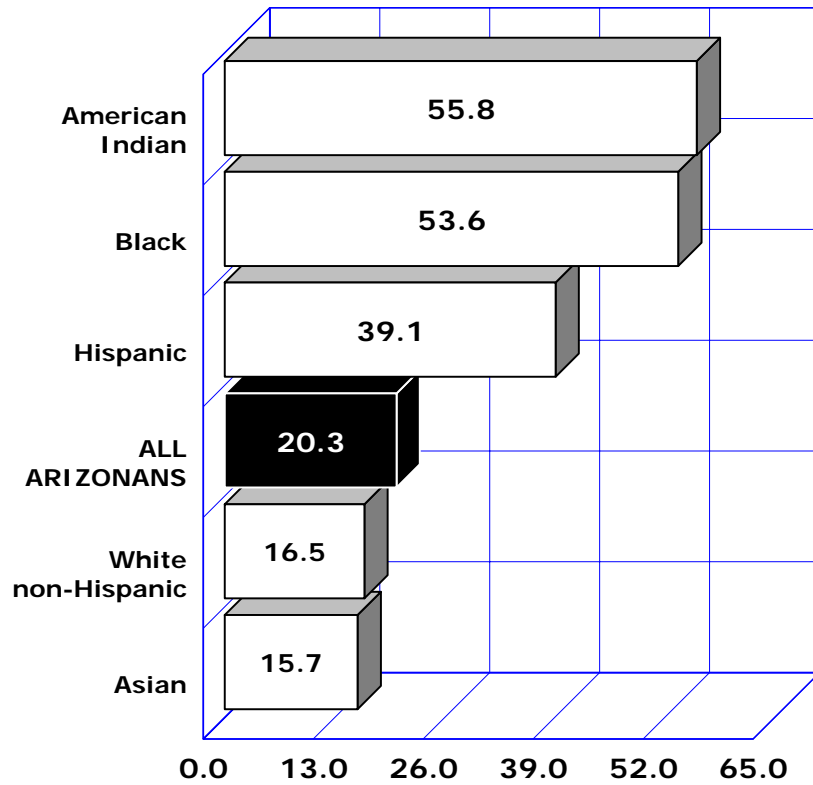
COMPARATIVE RATES FOR 2000 AND 2003:

5-12 INFLUENZA AND PNEUMONIA						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	24.4	23.3	30.1	26.9	48.2	11.9
2003	23.4	21.8	27.9	30.4	58.9	16.4
% change from 2000	-4.1	-6.4	-7.3	13.0	22.2	37.8



**5-13**

**Mortality from Diabetes**



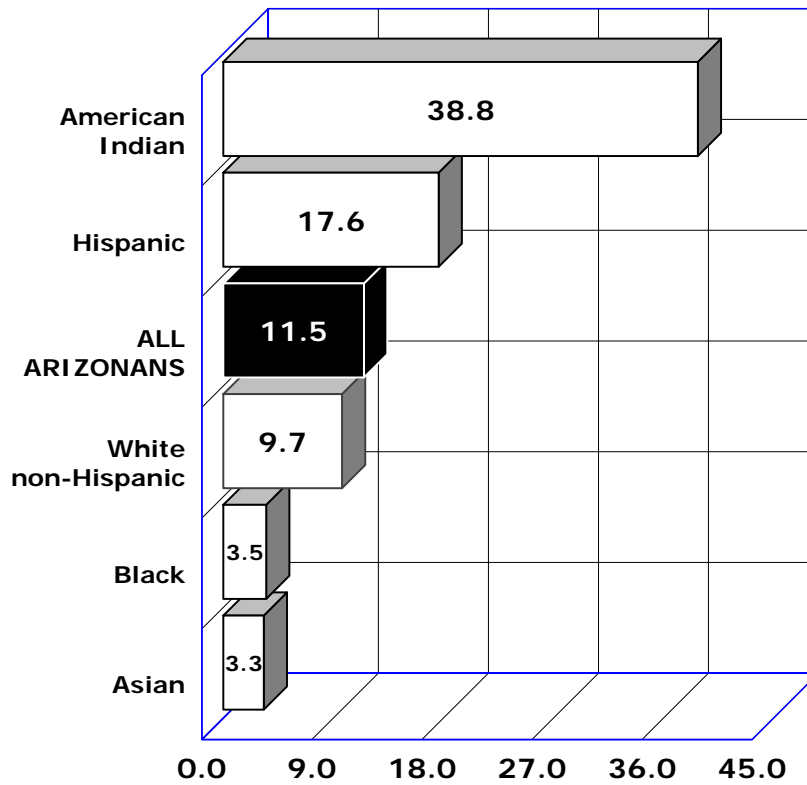
Number of deaths per 100,000 persons in specified group (age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

5-13 DIABETES						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	19.0	14.9	41.1	46.0	74.6	19.5
2003	20.3	16.5	39.1	53.6	55.8	15.7
% change from 2000	6.8	10.7	-4.9	16.5	-25.2	-19.5

**5-14**

**Mortality from  
Chronic Liver Disease  
and Cirrhosis**



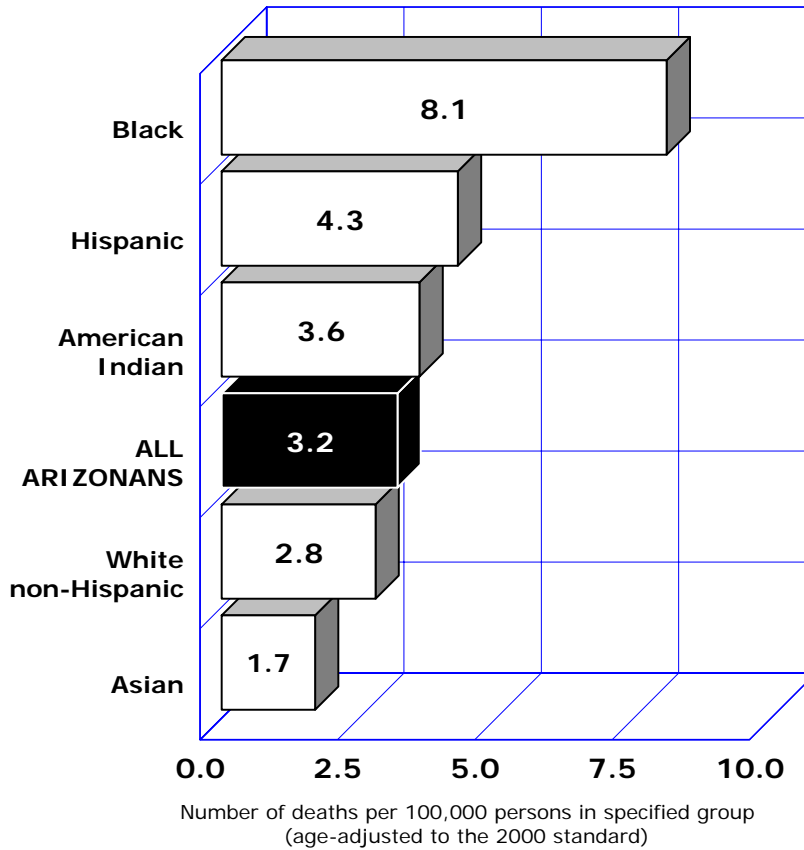
Number of deaths per 100,000 persons in specified group (age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

5-14 CHRONIC LIVER DISEASE AND CIRRHOSIS						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	12.8	10.4	15.8	6.6	61.7	4.1
2003	11.5	9.7	17.6	3.5	38.8	3.3
% change from 2000	-10.2	-6.7	11.4	-47.0	-37.1	-19.5

**5-15**

**Mortality from HIV Disease**

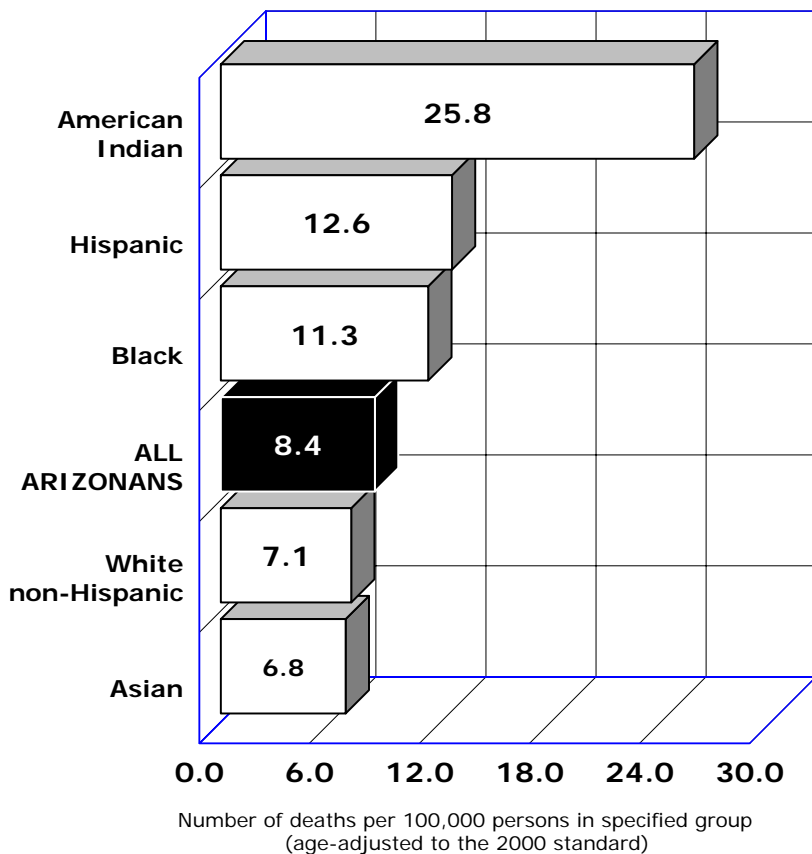


COMPARATIVE RATES FOR 2000 AND 2003:

5-15 HIV DISEASE						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	3.2	3.1	3.4	9.6	1.8	.0
2003	3.2	2.8	4.3	8.1	3.6	1.7
% change from 2000	0.0	-9.7	26.5	-15.6	100.0	0.0

**5-16**

**Mortality from Septicemia**

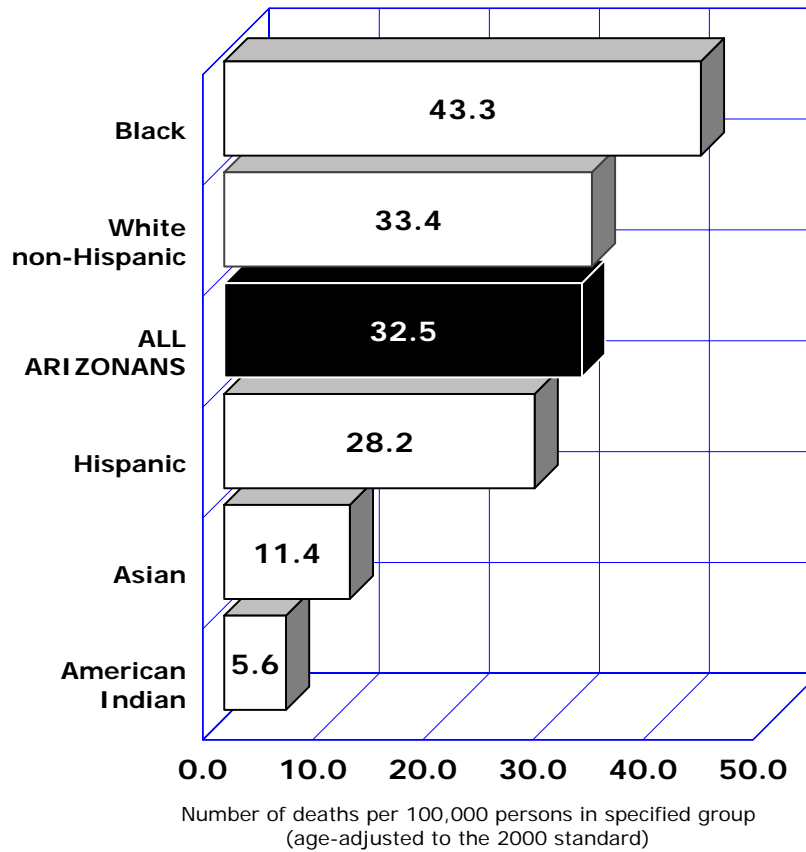


COMPARATIVE RATES FOR 2000 AND 2003:

5-16 SEPTICEMIA						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	6.7	6.0	9.9	6.2	21.5	1.3
2003	8.4	7.1	12.6	11.3	25.8	6.8
% change from 2000	25.4	18.3	27.3	82.3	20.0	423.1

**5-17**

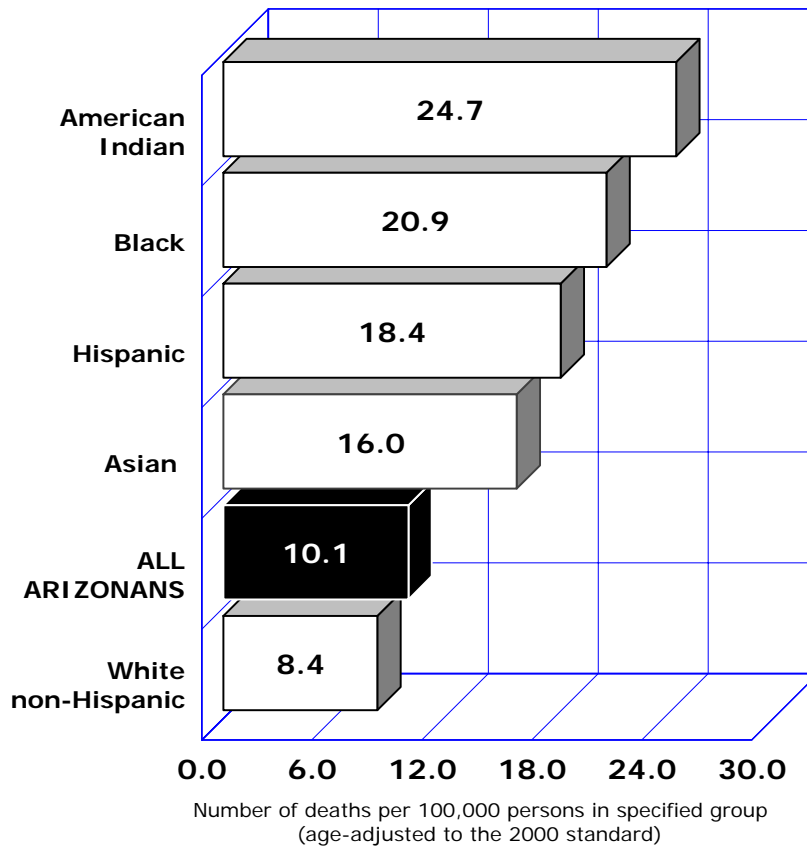
**Mortality from Alzheimer's Disease**



COMPARATIVE RATES FOR 2000 AND 2003:

5-17 ALZHEIMER'S DISEASE						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	21.8	22.5	18.9	20.5	7.2	7.8
2003	32.5	33.4	28.2	43.3	5.6	11.4
% change from 2000	49.1	48.4	49.2	110.7	-22.2	46.2

**5-18** Mortality from Nephritis, Nephrotic Syndrome and Nephrosis (kidney disease)

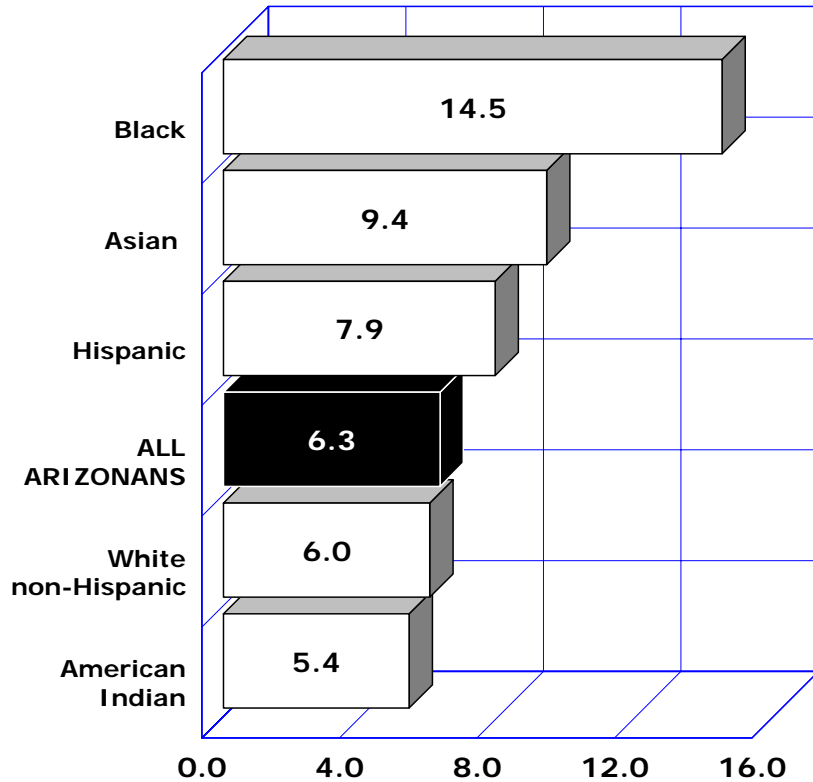


COMPARATIVE RATES FOR 2000 AND 2003:

5-18 NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS (KIDNEY DISEASE)						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	11.7	10.1	22.1	26.9	22.6	5.0
2003	10.1	8.4	18.4	20.9	24.7	16.0
% change from 2000	-13.7	-16.8	-16.7	-22.3	9.3	220.0

**5-19**

**Mortality from Essential (primary) Hypertension**



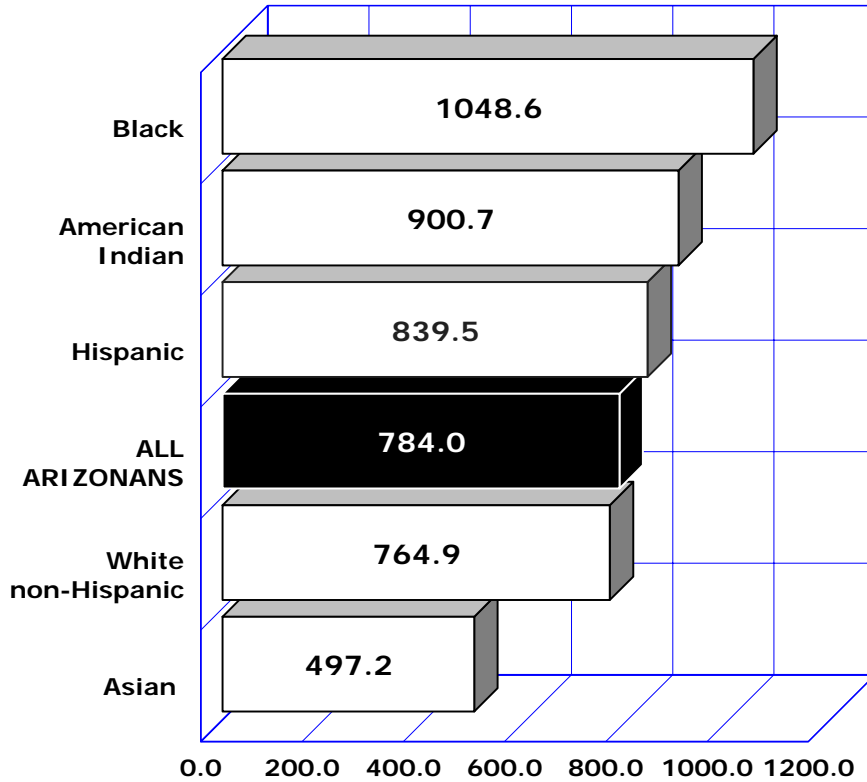
Number of deaths per 100,000 persons in specified group (age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

5-19 ESSENTIAL (PRIMARY) HYPERTENSION						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	5.6	5.2	7.3	11.2	10.8	5.8
2003	6.3	6.0	7.9	14.5	5.4	9.4
% change from 2000	12.5	15.4	8.2	29.5	-50.0	62.1

**5-20**

**Mortality from All Causes**



Number of deaths per 100,000 persons in specified group (age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

5-20 TOTAL MORTALITY FROM ALL CAUSES						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	785.6	776.6	769.9	1057.5	1011.4	504.1
2003	784.0	764.9	839.5	1048.6	900.7	497.2
% change from 2000	-0.2	-1.5	9.0	-0.8	-10.9	-1.4



# 6. Mortality from Injuries

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**Mortality from Unintentional Injuries**

**Mortality from Motor Vehicle-Related Injuries**

**Mortality from Fall-Related Injuries**

**Drowning Mortality**

**Mortality from Injury by Firearms**

**Drug-Induced Deaths**

**Alcohol-Induced Deaths**

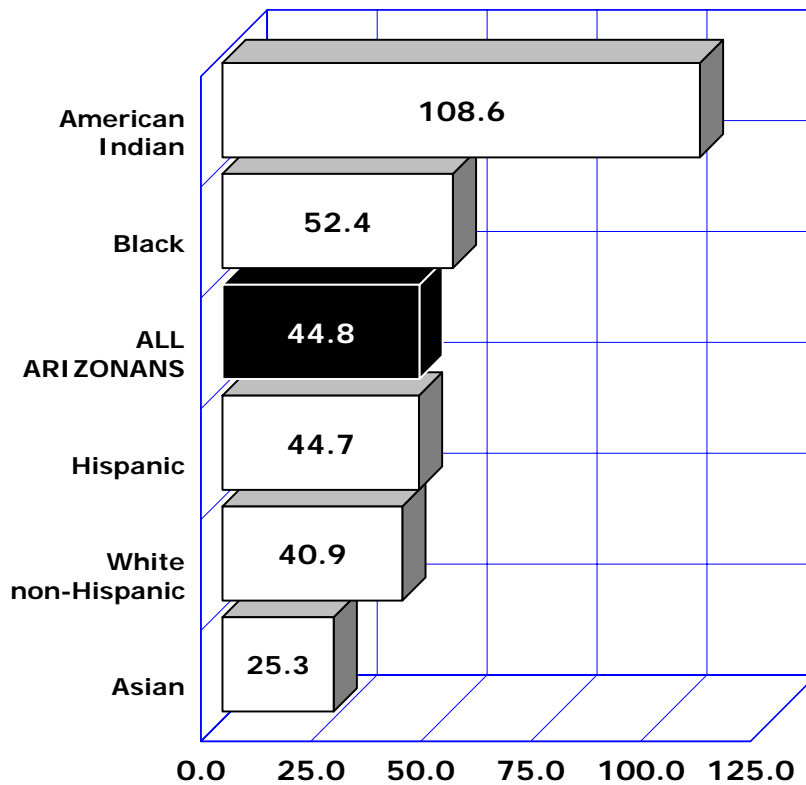
**Intentional Self-Harm (suicide)**

**Assault (homicide)**



**6-1**

**Mortality from Unintentional Injuries**



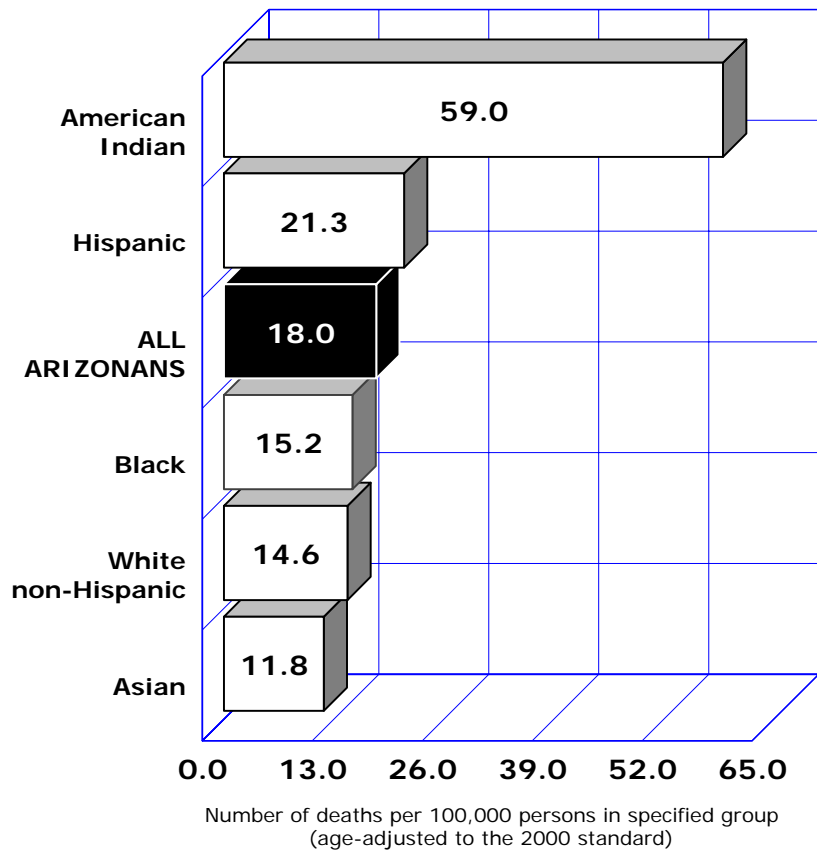
Number of deaths per 100,000 persons in specified group (age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

<b>6-1 UNINTENTIONAL INJURIES</b>						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	41.1	36.9	41.6	49.7	113.1	24.1
2003	44.8	40.9	44.7	52.4	108.6	25.3
% change from 2000	9.0	10.8	7.5	5.4	-4.0	5.0

**6-2**

**Mortality from  
Motor Vehicle-Related  
Injuries**

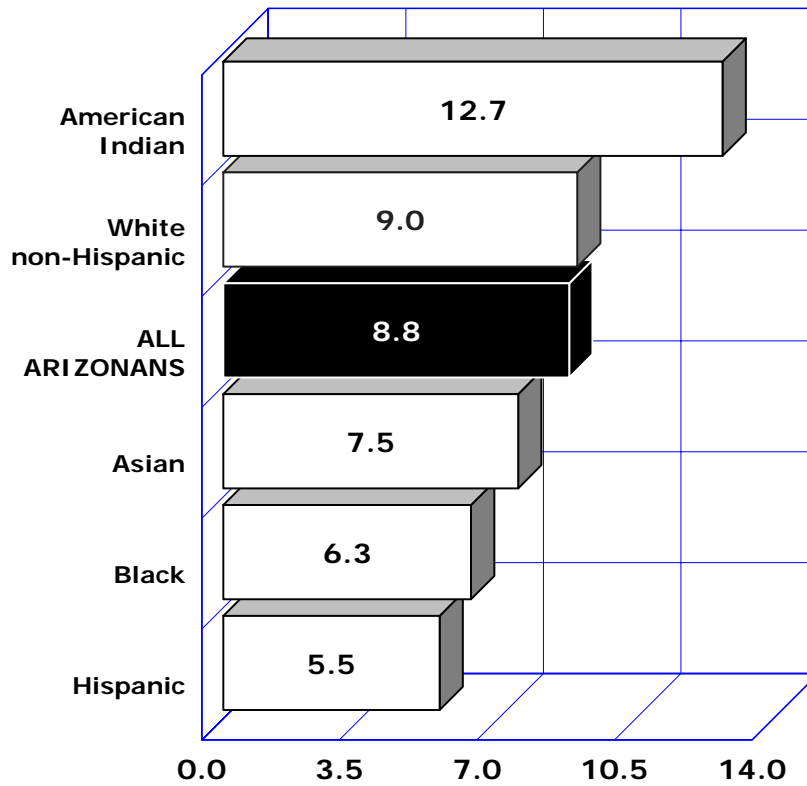


COMPARATIVE RATES FOR 2000 AND 2003:

6-2 MOTOR VEHICLE-RELATED INJURIES						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	17.5	13.8	18.2	19.3	74.2	15.3
2003	18.0	14.6	21.3	15.2	59.0	11.8
% change from 2000	2.9	5.8	17.0	-21.2	-20.5	-22.9

**6-3**

**Mortality from Fall-Related Injuries**



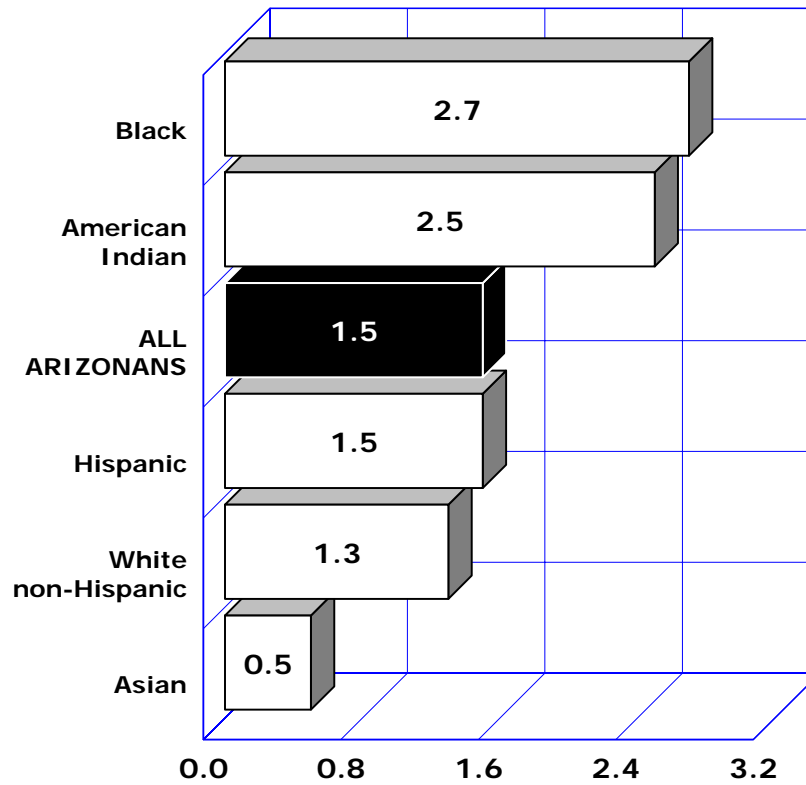
Number of deaths per 100,000 persons in specified group (age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

<b>6-3 FALL-RELATED INJURIES</b>						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	7.6	7.6	8.9	5.2	6.0	3.9
2003	8.8	9.0	5.5	6.3	12.7	7.5
% change from 2000	15.8	18.4	-38.2	21.2	111.7	92.3

**6-4**

**Drowning Mortality**



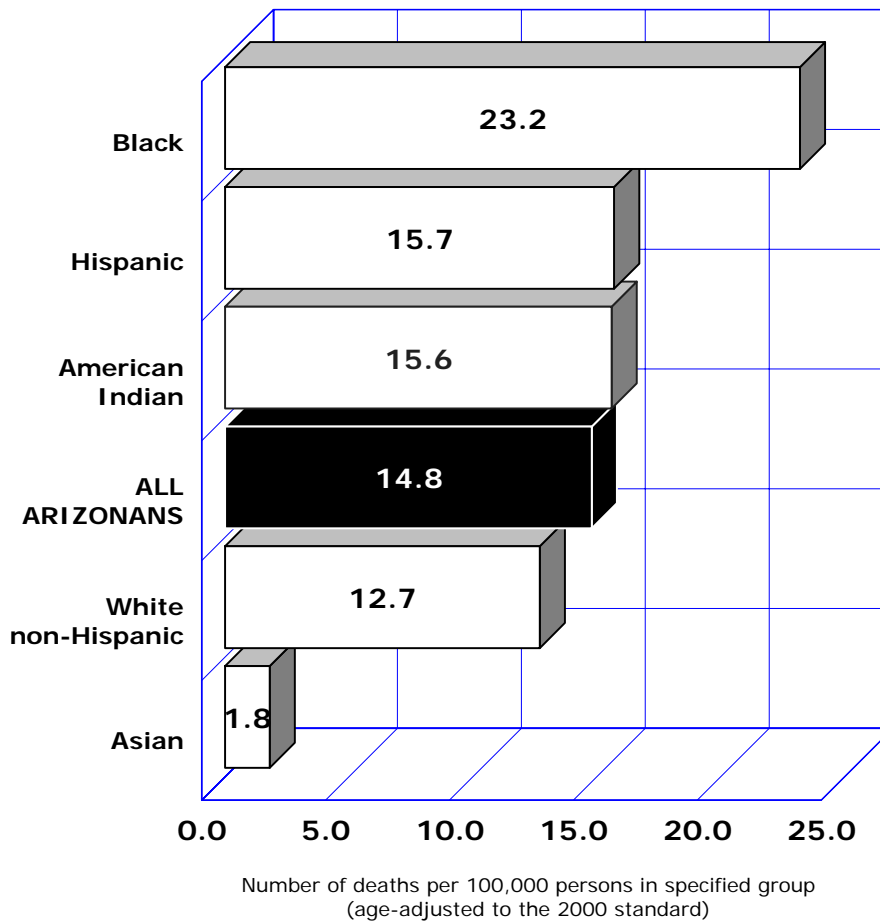
Number of deaths per 100,000 persons in specified group (age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2003:

6-4 DROWNING MORTALITY						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	1.7	1.6	1.2	3.3	3.8	1.1
2003	1.5	1.3	1.5	2.7	2.5	.5
% change from 2000	-11.8	-18.8	25.0	-18.2	-34.2	-54.5

**6-5**

**Mortality from Injury  
by Firearms**

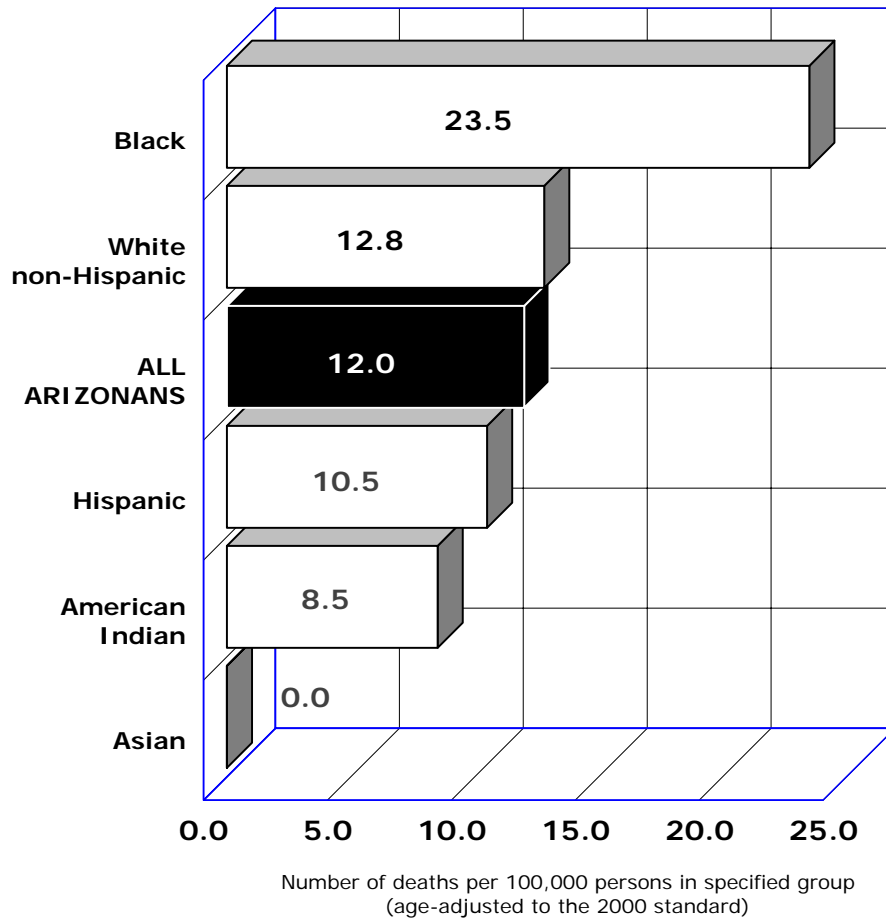


COMPARATIVE RATES FOR 2000 AND 2003:

<b>6-5 INJURY BY FIREARMS</b>						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	15.3	13.9	14.9	25.7	12.2	11.1
2003	14.8	12.7	15.7	23.2	15.6	1.8
% change from 2000	-3.3	-8.6	5.4	-9.7	27.9	-83.8

**6-6**

**Drug-Induced Deaths**



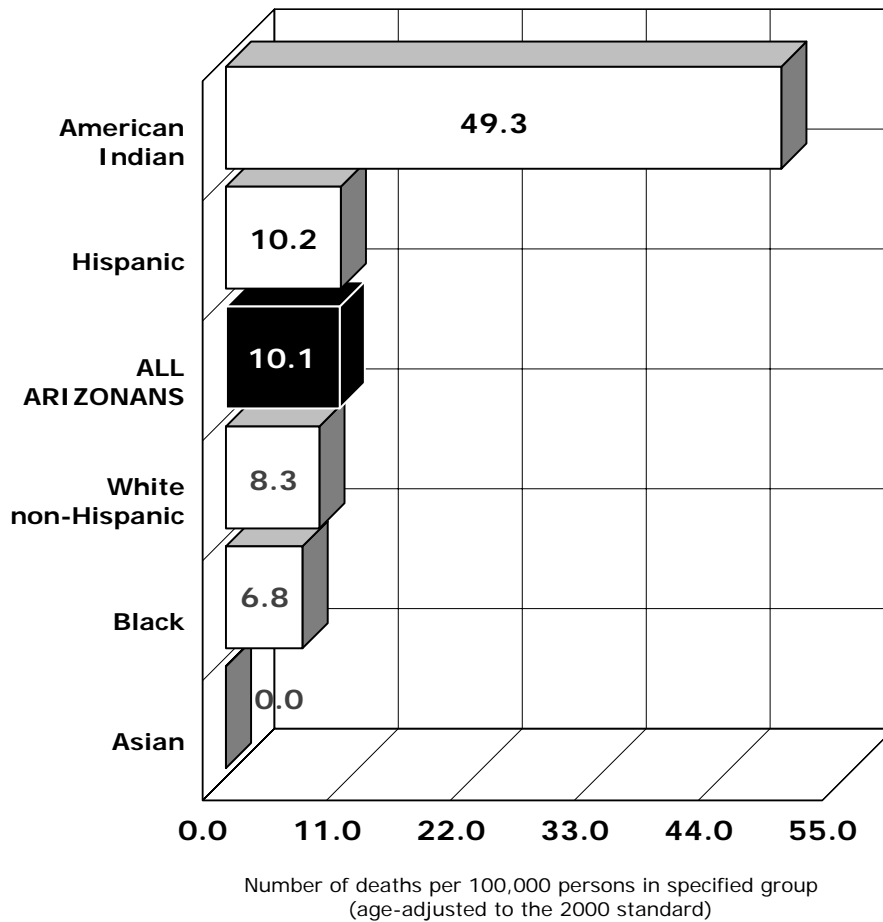
COMPARATIVE RATES FOR 2000 AND 2003:

<b>6-6 DRUG-INDUCED DEATHS</b>						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	6.8	7.3	5.0	9.6	6.7	.0
2003	12.0	12.8	10.5	23.5	8.5	.0
% change from 2000	76.5	75.3	110.0	144.8	26.9	0



**6-7**

**Alcohol-Induced Deaths**

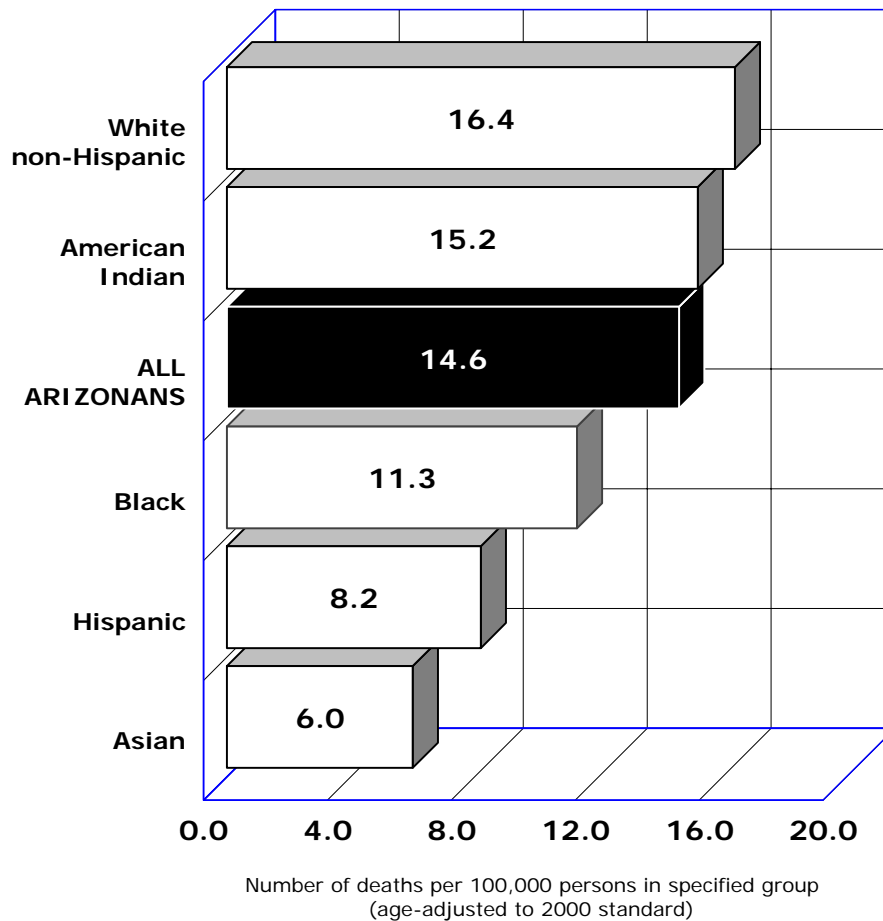


COMPARATIVE RATES FOR 2000 AND 2003:

6-7 ALCOHOL-INDUCED DEATHS						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	8.7	6.8	8.6	6.1	56.1	1.3
2003	10.1	8.3	10.2	6.8	49.3	.0
% change from 2000	16.1	22.1	18.6	11.5	-12.1	-100.0

**6-8**

**Intentional Self-Harm  
(suicide)**

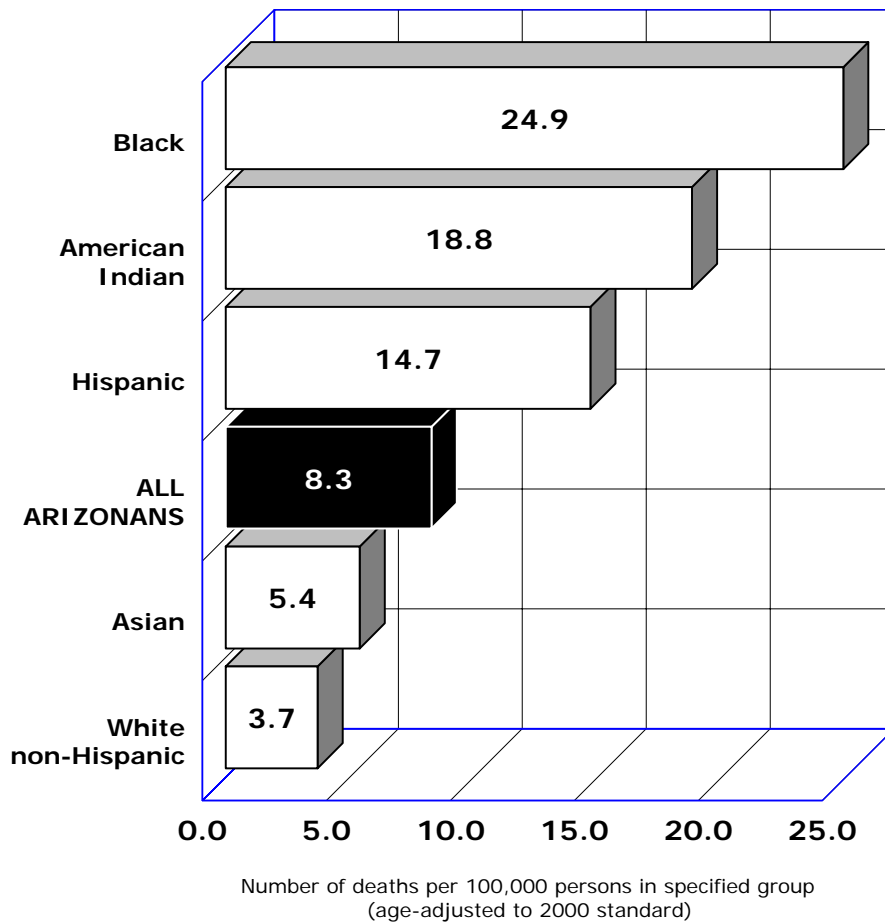


COMPARATIVE RATES FOR 2000 AND 2003:

<b>6-8 INTENTIONAL SELF-HARM (SUICIDE)</b>						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	14.6	16.7	7.2	6.5	16.2	5.7
2003	14.6	16.4	8.2	11.3	15.2	6.0
% change from 2000	0.0	-1.8	13.9	73.8	-6.2	5.3

**6-9**

**Assault (homicide)**



COMPARATIVE RATES FOR 2000 AND 2003:

6-9 ASSAULT (HOMICIDE)						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	7.6	3.9	13.0	22.7	14.9	7.6
2003	8.3	3.7	14.7	24.9	18.8	5.4
% change from 2000	9.2	-5.1	13.1	9.7	26.2	-28.9



# 7. AGE-SPECIFIC MORTALITY

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**Mortality of Children  
1-14 Years Old**

**Mortality of Adolescents  
15-19 Years Old**

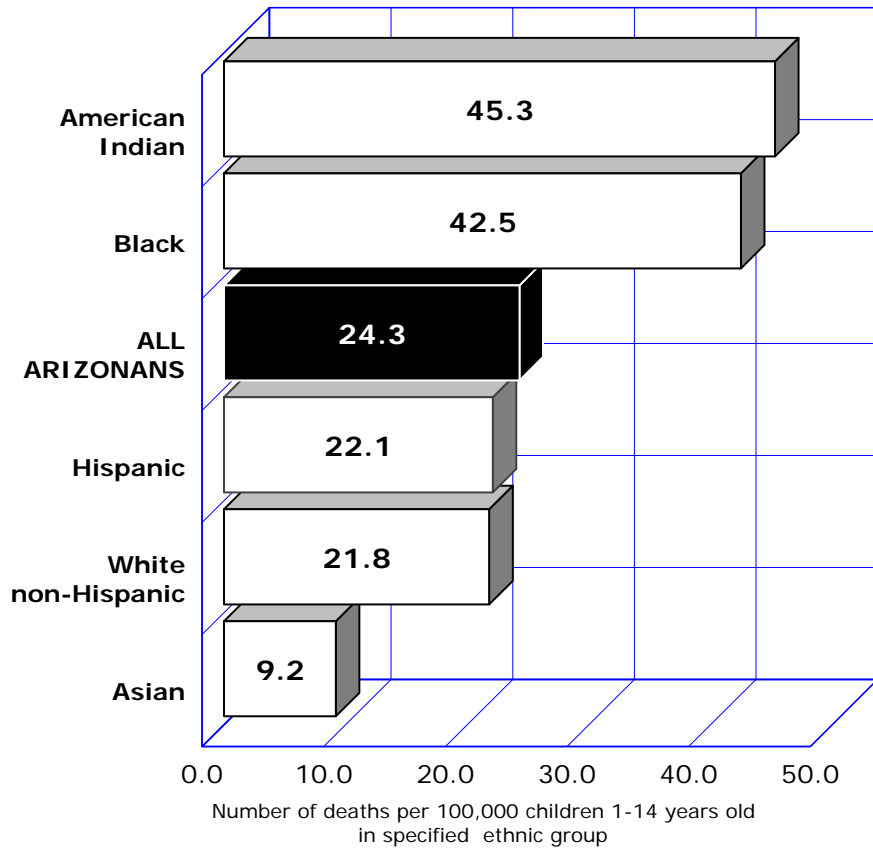
**Mortality of Young Adults  
20-44 Years Old**

**Mortality of Middle-Aged Adults  
45-64 Years Old**



**7-1**

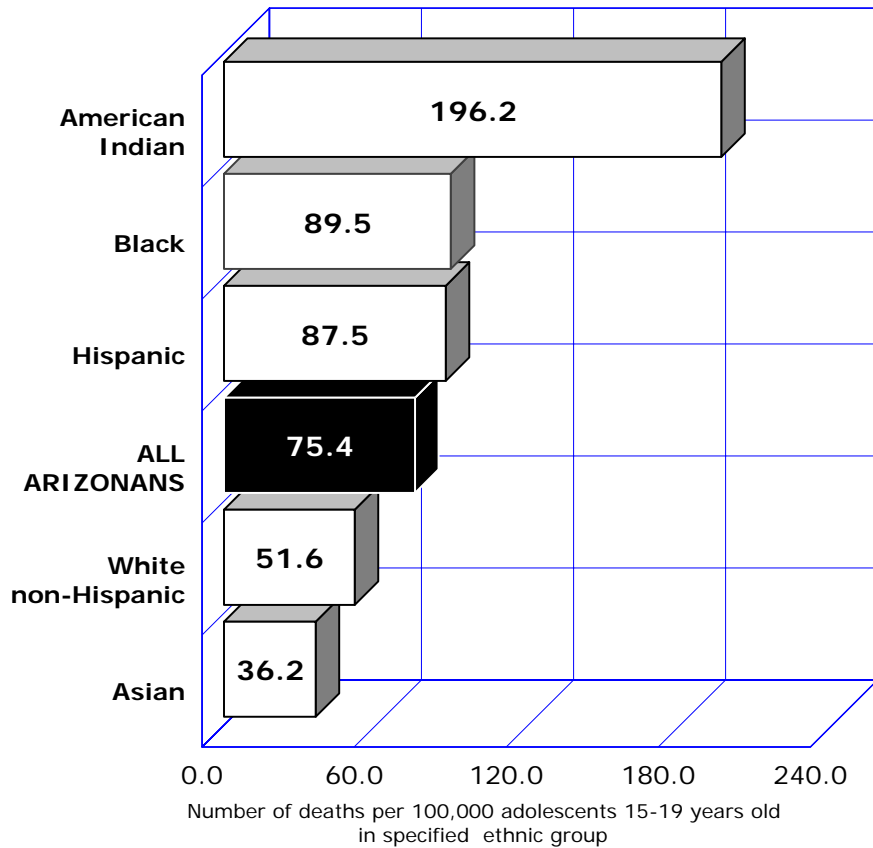
**Mortality of Children  
1-14 Years Old**



COMPARATIVE RATES FOR 2000 AND 2003:

<b>7-1 MORTALITY OF CHILDREN 1-14 YEARS OLD</b>						
Number of deaths per 100,000 population 1-14 years old by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	25.3	20.8	27.4	37.2	48.2	22.0
2003	24.3	21.8	22.1	42.5	45.3	9.2
% change from 2000	-3.9	4.8	-19.3	14.2	-0.06	-58.9

## 7-2 Mortality of Adolescents 15-19 Years Old

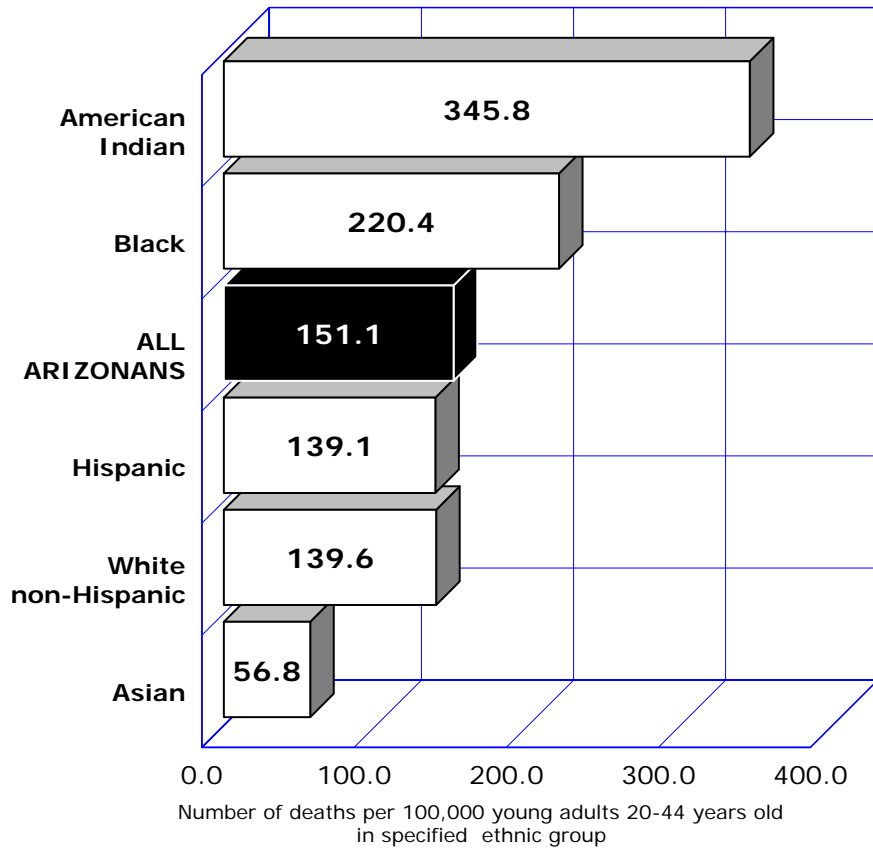


COMPARATIVE RATES FOR 2000 AND 2003:

7-2 MORTALITY OF ADOLESCENTS 15-19 YEARS OLD						
Number of deaths per 100,000 population 15-19 years old by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	78.9	68.6	74.0	149.5	171.2	0.0
2003	75.4	51.6	87.5	89.5	196.2	36.2
% change from 2000	-4.4	-24.8	18.2	-40.1	14.6	0.0



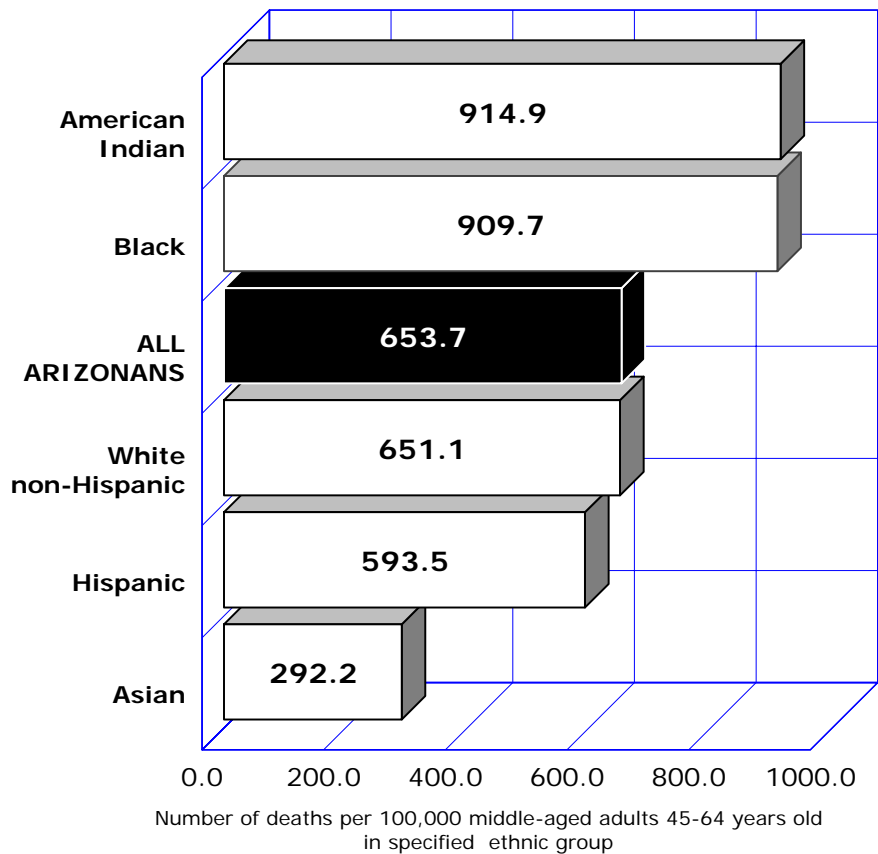
## 7-3 Mortality of Young Adults 20-44 Years Old



COMPARATIVE RATES FOR 2000 AND 2003:

7-3 MORTALITY AMONG YOUNG ADULTS 20-44 YEARS OLD						
Number of deaths per 100,000 population 20-44 years old by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	156.5	173.1	136.3	212.3	403.1	93.3
2003	151.1	139.6	139.1	220.4	345.8	56.8
% change from 2000	-3.5	-19.4	2.1	3.8	-14.2	-39.1

## 7-4 Mortality of Middle-Aged Adults 45-64 Years Old



COMPARATIVE RATES FOR 2000 AND 2003:

7-4 MORTALITY AMONG MIDDLE-AGED ADULTS 45-64 YEARS OLD						
Number of deaths per 100,000 population 45-64 years old by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	633.9	636.8	540.5	929.9	994.2	276.1
2003	653.7	651.1	593.5	909.7	914.9	292.2
% change from 2000	3.1	2.2	9.8	-2.2	-7.9	5.8

# 8. Patterns of Premature Mortality

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**Average Age At Death From All Causes  
Among Arizona Residents**

**Average Age At Death From All Causes  
Among Arizona Males**

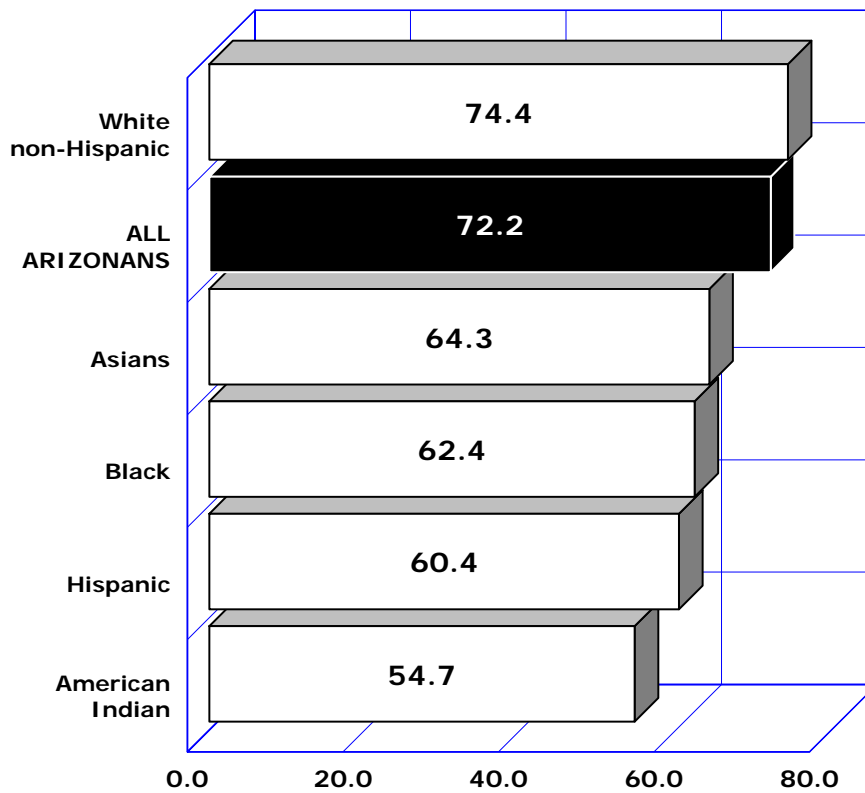
**Average Age At Death From All Causes  
Among Arizona Females**

**Percent of Total Deaths Before and After  
Expected Years of Life Reached**



**8-1**

**Average Age At Death From All Causes Among Arizona Residents**

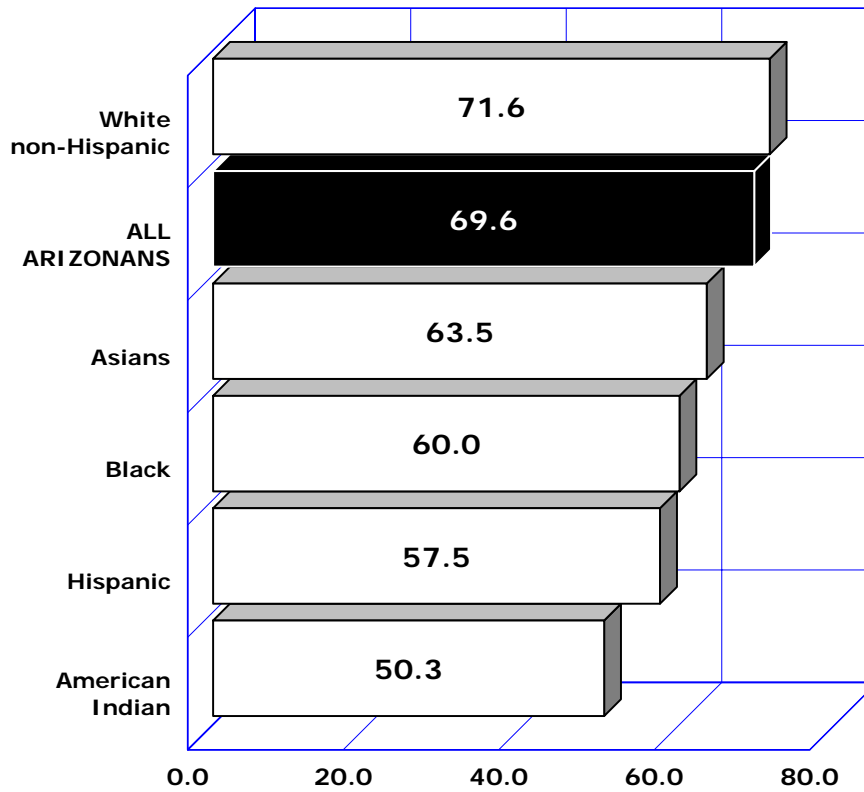


COMPARATIVE RATES FOR 2000 AND 2003:

8-1 AVERAGE AGE AT DEATH FROM ALL CAUSES						
	By race/ethnicity					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	71.6	73.9	59.2	60.8	55.4	62.3
2003	72.2	74.4	60.4	62.4	54.7	64.3
% change from 2000	0.8	0.7	2.0	2.6	-1.3	3.2

**8-2**

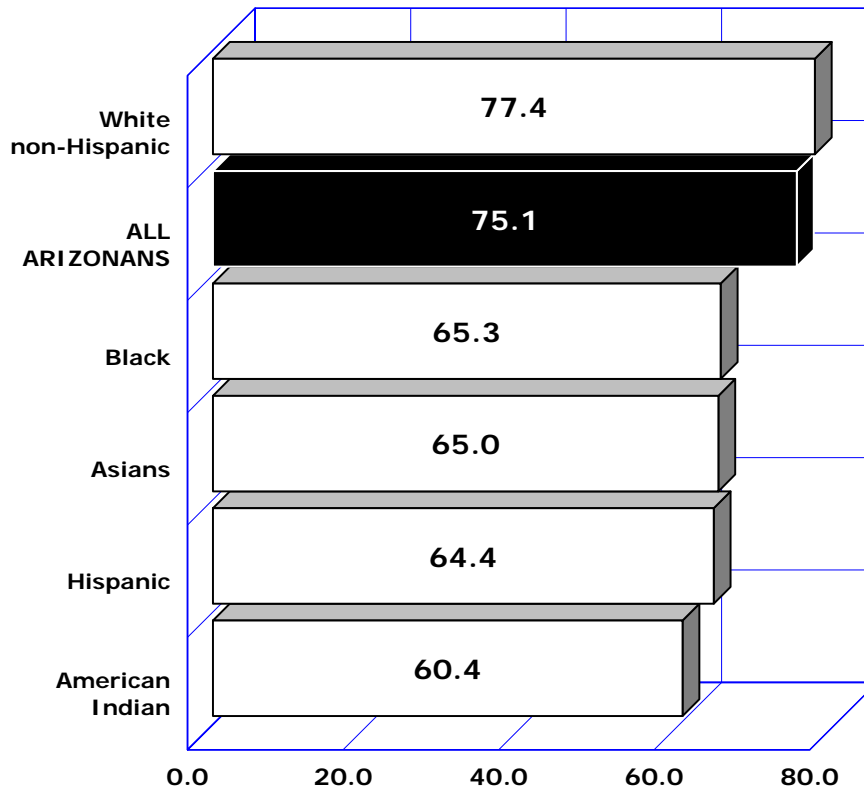
**Average Age At Death From All Causes Among Arizona Males**



COMPARATIVE RATES FOR 2000 AND 2003:

8-2 AVERAGE AGE AT DEATH FROM ALL CAUSES AMONG MALES						
	By race/ethnicity					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	68.7	70.9	55.8	56.8	51.6	61.6
2003	69.6	71.6	57.5	60.0	50.3	63.5
% change from 2000	1.3	1.0	3.0	5.6	-2.5	3.1

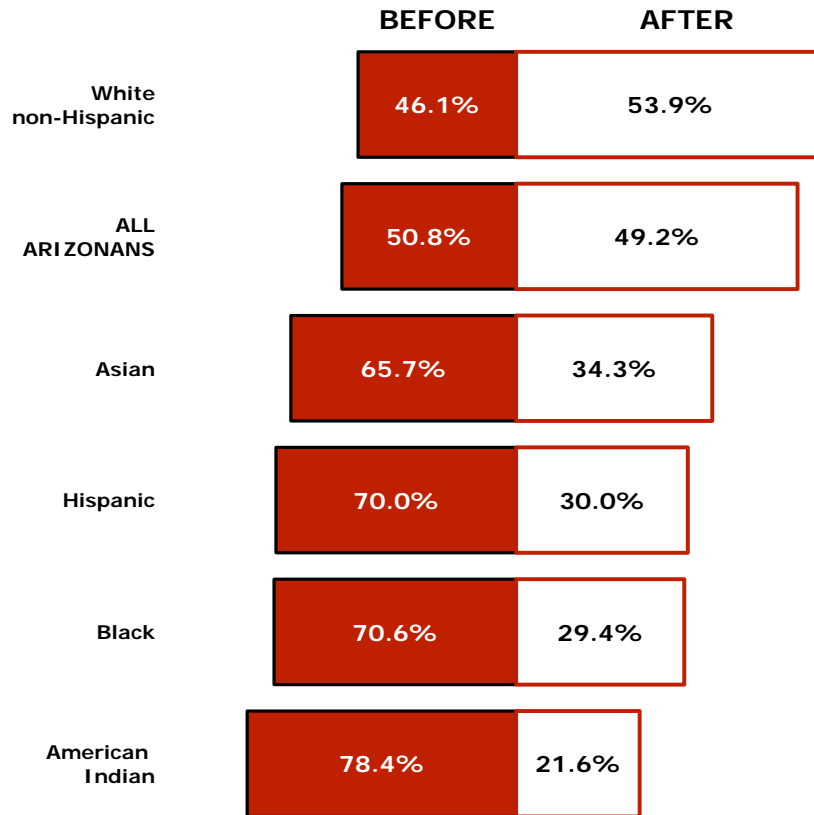
**8-3** Average Age At Death From All Causes Among Arizona Females



COMPARATIVE RATES FOR 2000 AND 2003:

8-3 AVERAGE AGE AT DEATH FROM ALL CAUSES AMONG FEMALES						
	By race/ethnicity					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	74.9	77.0	63.7	65.8	60.4	63.0
2003	75.1	77.4	64.4	65.3	60.4	65.0
% change from 2000	0.3	0.5	1.1	-0.8	0.0	3.2

**8-4** Percent of Total Deaths Before and After Expected Years of Life Reached\*



\*Percent deaths in specified group in Arizona in 2003 before and after expected years of life at birth or life expectancy of 77.4 years for all U.S. residents in 2002.

COMPARATIVE RATES FOR 2000 AND 2003:

8-4 PERCENT OF TOTAL DEATHS BEFORE EXPECTED YEARS OF LIFE REACHED						
	By race/ethnicity					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	51.6	47.3	70.5	69.3	78.7	69.6
2003	50.8	46.1	70.0	70.6	78.4	65.7
% change from 2000	-1.6	-2.5	-0.7	1.9	-0.4	-5.6



# 9. The Incidence of Reportable Diseases

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**Incidence Rates of Early Syphilis**

**Incidence Rates of Gonorrhea**

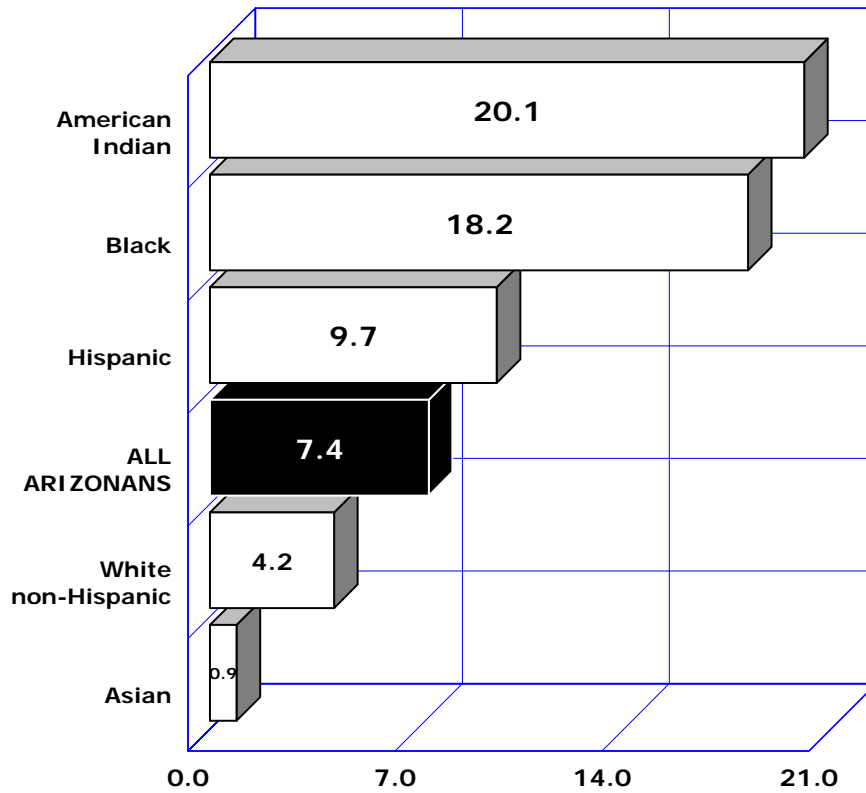
**Incidence Rates of Chlamydia**

**Incidence Rates of Genital Herpes**

**Incidence Rates of HIV/AIDS**

**9-1**

**Incidence Rates of Early Syphilis**



Number of cases reported in 2003 per 100,000 population in specified group

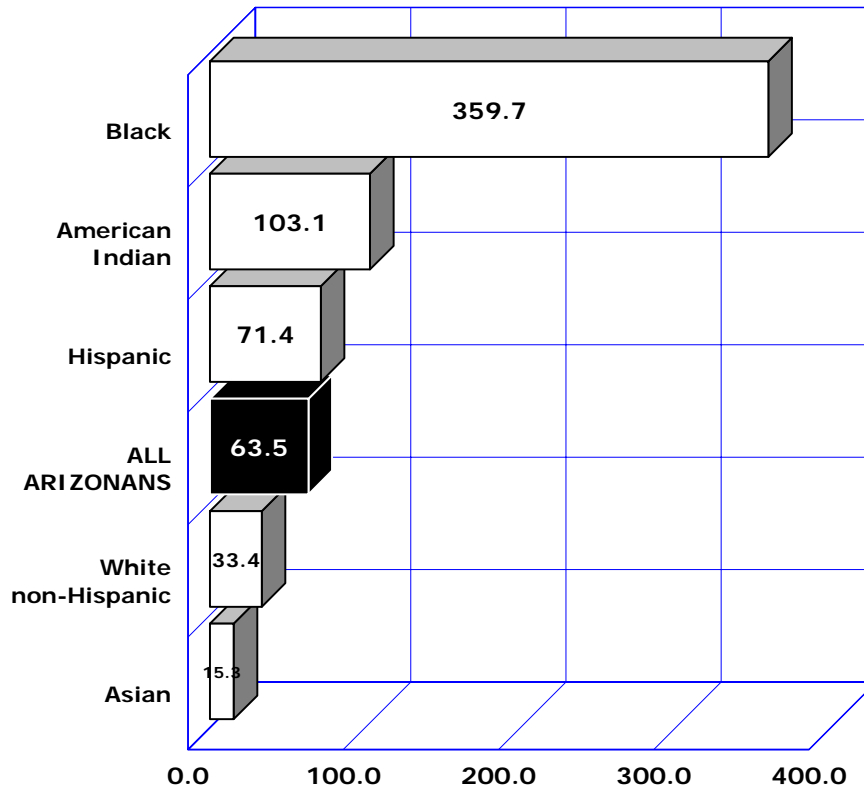
Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/STD/HCV Services

COMPARATIVE RATES FOR 2000 AND 2003:

9-1 INCIDENCE OF EARLY SYPHILIS						
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	8.5	3.2	15.4	60.4	12.1	3.0
2003	7.4	4.2	9.7	18.2	20.1	0.9
% change from 2000	-12.9	31.3	-37.0	-69.9	66.1	-70.0

**9-2**

**Incidence Rates of  
Gonorrhea**



Number of cases reported in 2001 per 100,000 population in specified group

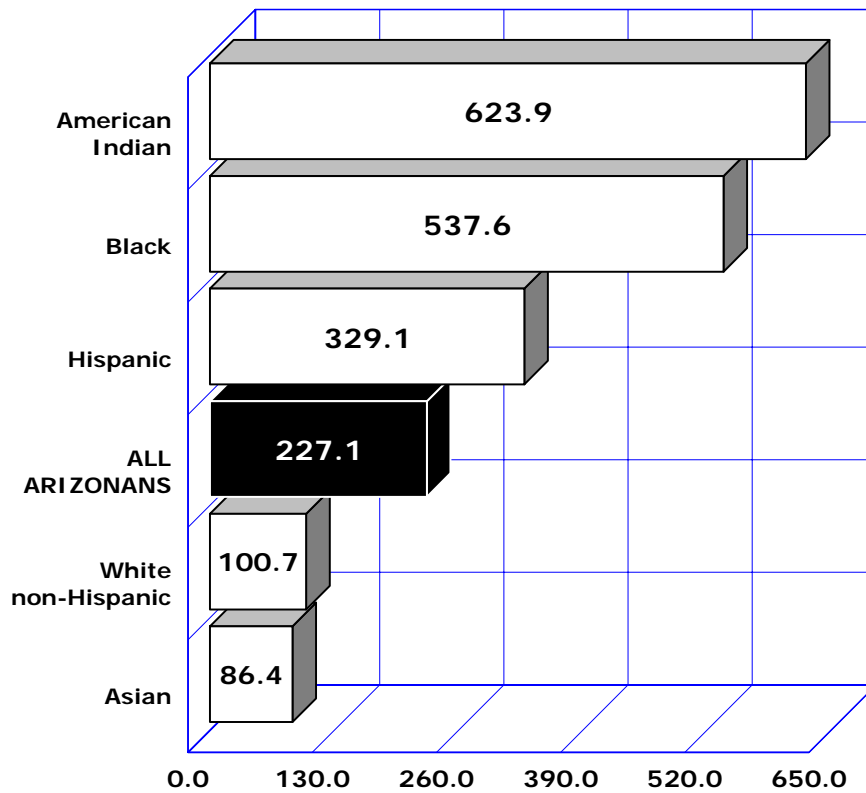
Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/STD/HCV Services

COMPARATIVE RATES FOR 2000 AND 2003:

<b>9-2 INCIDENCE OF GONORRHEA</b>						
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	80.0	29.5	111.8	630.8	105.1	22.2
2003	63.5	33.4	71.4	359.7	103.1	15.3
% change from 2000	-20.6	13.2	-36.1	-43.0	-1.9	-31.1

**9-3**

**Incidence Rates of Chlamydia**



Number of cases reported in 2003 per 100,000 population in specified group

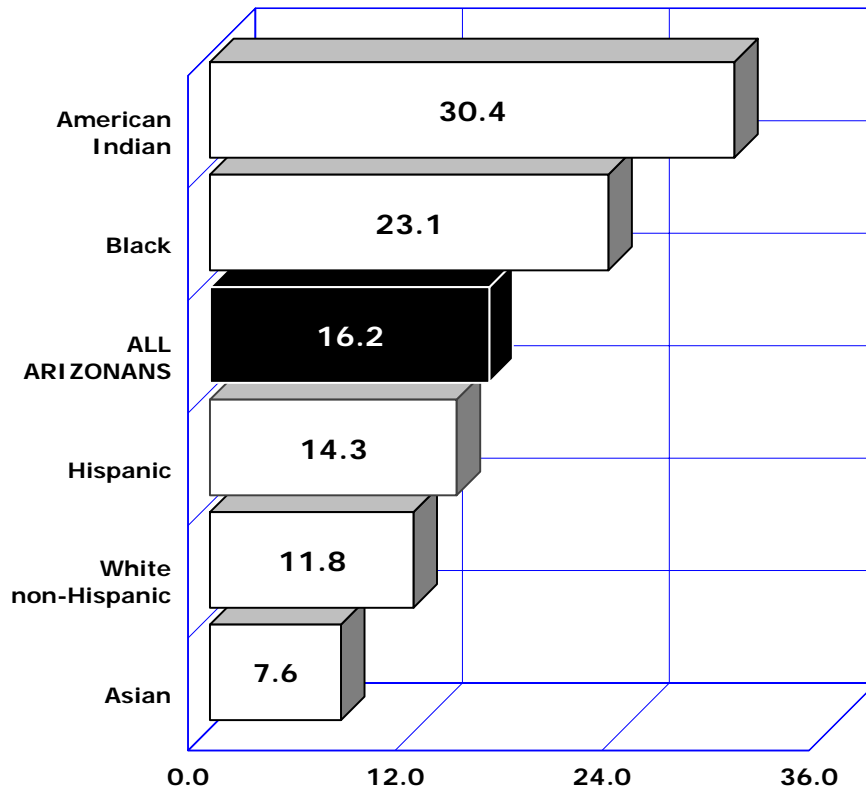
Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/STD/HCV Services

COMPARATIVE RATES FOR 2000 AND 2003:

<b>9-3 INCIDENCE OF CHLAMYDIA</b>						
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	243.9	96.7	350.3	686.2	844.1	89.9
2003	227.1	100.7	329.1	537.6	623.9	86.4
% change from 2000	-6.9	4.1	-6.1	-21.7	-26.1	-3.9

**9-4**

**Incidence Rates of Genital Herpes**



Number of cases reported in 2003 per 100,000 population in specified group

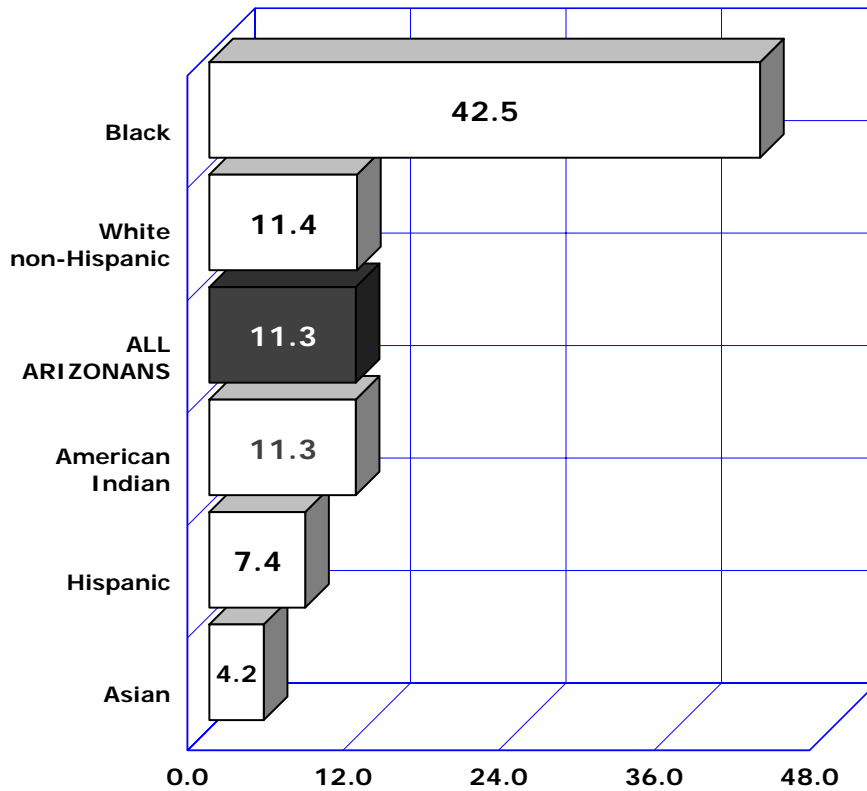
Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/STD/HCV Services

COMPARATIVE RATES FOR 2000 AND 2003:

<b>9-4 INCIDENCE OF GENITAL HERPES</b>						
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	21.8	15.8	17.1	47.8	33.6	7.1
2003	16.2	11.8	14.3	23.1	30.4	7.6
% change from 2000	-25.7	-25.3	-16.4	-51.7	-9.5	7.0

**9-5**

**Incidence Rates of HIV/AIDS**



Number of cases reported in 2003 per 100,000 population in specified group  
 Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/STD/HCV Services

COMPARATIVE RATES FOR 2000 AND 2003:

<b>9-5 INCIDENCE OF HIV/AIDS</b>						
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	6.9	6.4	7.3	23.3	9.0	5.0
2003	11.3	11.4	7.4	42.5	11.3	4.2
% change from 2000	63.8	78.1	1.4	82.4	25.6	-16.0

# **RATES AND RATIOS FOR 2003**





## RATES AND RATIOS FOR 2003

### 1. TEEN PREGNANCIES

(Number of pregnancies per 1,000 females in specified age group)

Figure number	Indicator	All Arizona Residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
1-1	Pregnancies among females 19 and younger	34.5	18.2	57.5	45.4	39.9	19.2
1-2	Pregnancies among females 14 and younger	1.4	0.4	2.6	1.2	2.5	0.6
1-3	Pregnancies among females 15-17 years old	41.6	17.5	76.5	59.8	52.0	22.0
1-4	Pregnancies among females 18-19 years old	108.2	62.9	172.7	147.5	134.2	52.1

### 2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

(All ratios are per 100 live births)

Figure number	Indicator	All Arizona Residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2-1	Unmarried mothers	41.2	25.1	52.7	62.7	72.4	16.3
2-2	Tobacco use during pregnancy	5.8	9.4	2.1	8.7	3.2	2.8
2-3	Alcohol use during pregnancy	0.9	1.1	0.4	1.3	2.4	0.5
2-4	Chronic hypertension	0.3	0.4	0.2	0.5	0.7	0.3
2-5	Dysfunctional labor	0.8	0.9	0.5	0.8	2.4	0.6
2-6	Anemia during pregnancy	2.0	2.3	1.2	2.8	5.5	1.7
2-7	Diabetes during pregnancy	2.1	1.8	1.8	2.2	6.0	3.0
2-8	Pregnancy-associated hypertension	2.8	3.4	1.9	2.7	5.7	1.9
2-9	Genital herpes during pregnancy	0.6	1.0	0.2	1.0	0.5	0.5
2-10	Weight gain of less than 21 pounds	19.7	14.5	22.9	23.3	31.9	16.0

### 3. UTILIZATION OF PRENATAL CARE SERVICES

(Per 100 live births)

Figure number	Indicator	All Arizona residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
3-1	No care in the 1 <sup>st</sup> trimester	24.4	13.2	34.2	24.3	31.2	15.8
3-2	Fewer than five prenatal visits	7.2	2.9	10.4	7.6	11.8	4.5
3-3	No prenatal care	2.9	0.6	4.8	3.5	2.4	1.6

### 4. NEWBORN'S HEALTH

(Infant, neonatal and postneonatal rates are per 1,000 live births. All other indicators are expressed per 100 live births).

Figure number	Indicator	All Arizona residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
4-1	Incidence of hyaline membrane disease	0.3	0.5	0.2	0.2	0.3	0.3
4-2	Incidence of newborn intensive care	5.4	6.2	4.7	7.0	4.2	5.6
4-3	Born too early (preterm or < 37 weeks)	10.5	11.0	9.8	14.4	9.8	10.8
4-4	Born too small: low-birthweight (<2,500 grams)	7.1	6.9	6.9	11.7	6.8	8.5
4-5	Born too small: very low-birthweight (<1,500 grams)	1.1	1.1	1.1	2.2	0.9	1.5
4-6	Incidence of congenital anomalies (birth defects)	1.0	1.0	1.0	1.0	1.3	1.0
4-7	Infant mortality	6.5	5.4	7.0	15.9	7.5	4.4
4-8	Sudden Infant Death Syndrome (SIDS)	0.3	0.3	0.3	0.7	0.3	0.0
4-9	Mortality of infants from low birthweight/short gestation	0.9	0.6	1.1	3.6	0.9	0.4
4-10	Neonatal mortality	4.3	3.7	4.9	10.3	3.1	2.0
4-11	Postneonatal mortality	2.2	1.7	2.1	5.6	4.4	2.4

**5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases)**

(Number of deaths per 100,000 population age-adjusted to 2000 standard. The causes of death are classified by the Tenth Revision of the International Classification of Diseases or ICD-10).

Figure number	Indicator	All arizona residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
5-1	Cardiovascular disease	258.4	257.2	278.2	390.1	188.6	145.3
5-2	Diseases of the heart	197.1	197.7	198.5	299.4	141.9	97.6
5-3	Coronary heart disease	156.6	157.8	154.4	245.7	100.7	75.5
5-4	Cerebrovascular disease	43.9	41.7	61.9	69.0	36.4	35.9
5-5	Chronic lower respiratory diseases	45.4	48.3	28.7	30.3	19.4	15.5
5-6	Malignant neoplasm (cancer)	169.4	171.2	168.5	218.5	120.7	132.9
5-7	Lung cancer	47.4	50.6	33.5	59.4	13.2	21.9
5-8	Breast cancer	22.1	22.3	18.9	41.2	16.4	19.6
5-9	Cervical cancer	2.2	1.0	1.8	6.8	4.2	10.5
5-10	Colorectal cancer	17.9	17.9	21.2	26.3	6.3	3.0
5-11	Prostate cancer	25.1	25.2	22.4	41.2	21.0	7.6
5-12	Influenza and pneumonia	23.4	21.8	27.9	30.4	58.9	16.4
5-13	Diabetes	20.3	16.5	39.1	53.6	55.8	15.7
5-14	Chronic liver disease and cirrhosis	11.5	9.7	17.6	3.5	38.8	3.3
5-15	HIV disease	3.2	2.8	4.3	8.1	3.6	1.7
5-16	Septicemia	8.4	7.1	12.6	11.3	25.8	6.8
5-17	Alzheimer's disease	32.5	33.4	28.2	43.3	5.6	11.4
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	10.1	8.4	18.4	20.9	24.7	16.0
5-19	Essential (primary) hypertension	6.3	6.0	7.9	14.5	5.4	9.4
5-20	Total mortality from all causes	784.0	764.9	839.5	1048.6	900.7	497.2

**6. MORTALITY FROM INJURIES**

(Number of deaths per 100,000 population age-adjusted to 2000 standard. The causes of death are classified by the Tenth Revision of the International Classification of Diseases or ICD-10. Drug-induced deaths include accidental, suicidal and homicidal poisoning by drugs, but also disorders due to use of psychoactive substances. Alcohol-induced deaths include accidental, suicidal and homicidal poisoning by drugs, but also disorders due to use of alcohol.)

Figure number	Indicator	All Arizona residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
6-1	6-1. Unintentional injuries	44.8	40.9	44.7	52.4	108.6	25.3
6-2	6-2. Motor vehicle-related injuries	18.0	14.6	21.3	15.2	59.0	11.8
6-3	6-3. Fall-related injuries	8.8	9.0	5.5	6.3	12.7	7.5
6-4	6-4. Drowning mortality	1.5	1.3	1.5	2.7	2.5	.5
6-5	6-5. Injury by firearms	14.8	12.7	15.7	23.2	15.6	1.8
6-6	6-6. Drug-induced deaths	12.0	12.8	10.5	23.5	8.5	.0
6-7	6-7. Alcohol-induced deaths	10.1	8.3	10.2	6.8	49.3	.0
6-8	6-8. Intentional self-harm (suicide)	14.6	16.4	8.2	11.3	15.2	6.0
6-9	Assault (homicide)	8.3	3.7	14.7	24.9	18.8	5.4

**7. AGE-SPECIFIC MORTALITY**

(Number of deaths per 100,000 persons in specified group)

Figure number	Indicators	All Arizona Residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
7-1	Mortality of children 1-14 years old	24.3	21.8	22.1	42.5	45.3	9.2
7-2	Mortality of adolescents 15-19 years old	75.4	51.6	87.5	89.5	196.2	36.2
7-3	Mortality of young adults 20-44 years old	151.1	139.6	139.1	220.4	345.8	56.8
7-4	Mortality of middle-aged adults 45-64 years old	653.7	651.1	593.5	909.7	914.9	292.2

**8. PREMATURE MORTALITY**

Figure number	Indicators	All Arizona residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
8-1	Average age at death from all causes	72.2	74.4	60.4	62.4	54.7	64.3
8-2	Average age at death from all causes among males	69.6	71.6	57.5	60.0	50.3	63.5
8-3	Average age at death from all causes among females	75.1	77.4	64.4	65.3	60.4	65.0
8-4	Percent of total deaths before expected years of life reached	50.8	46.1	70.0	70.6	78.4	65.7

**9. REPORTABLE DISEASES**

(Number of cases per 100,000 persons in specified group)

Figure number	Indicators	All Arizona residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
9-1	Incidence of early syphilis	7.4	4.2	9.7	18.2	20.1	0.9
9-2	Incidence of gonorrhea	63.5	33.4	71.4	359.7	103.1	15.3
9-3	Incidence of chlamydia	227.1	100.7	329.1	537.6	623.9	86.4
9-4	Incidence of genital herpes	16.2	11.8	14.3	23.1	30.4	7.6
9-5	Incidence of HIV/AIDS	11.3	11.4	7.4	42.5	11.3	4.2



# SCORES IN 2003





## SCORES IN 2003

(A score is the percent above or below the average rate or ratio for all Arizona residents. A **negative score** indicates **better than average** standing on an indicator).

## 1. TEEN PREGNANCIES

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
1-1	Pregnancies among females 19 and younger	-47.3	66.6	31.6	15.6	-44.4
1-2	Pregnancies among females 14 and younger	-71.4	85.7	-14.3	78.6	-57.1
1-3	Pregnancies among females 15-17 years old	-57.9	83.9	43.7	25.0	-47.1
1-4	Pregnancies among females 18-19 years old	-41.9	59.6	36.3	24.0	-51.8
	<b>TOTAL SCORE</b>	<b>-218.5</b>	<b>295.8</b>	<b>97.3</b>	<b>143.2</b>	<b>-200.5</b>
	<b>AVERAGE SCORE</b>	<b>-54.6</b>	<b>74.0</b>	<b>24.3</b>	<b>35.8</b>	<b>-50.1</b>

## 2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2-1	Unmarried mothers	-39.1	27.9	52.2	75.7	-60.4
2-2	Tobacco use during pregnancy	62.1	-63.8	50.0	-44.8	-51.7
2-3	Alcohol use during pregnancy	22.2	-55.6	44.4	166.7	-44.4
2-4	Chronic hypertension	33.3	-33.3	66.7	133.3	.0
2-5	Dysfunctional labor	12.5	-37.5	.0	200.0	-25.0
2-6	Anemia during pregnancy	15.0	-40.0	40.0	175.0	-15.0
2-7	Diabetes during pregnancy	-14.3	-14.3	4.8	185.7	42.9
2-8	Pregnancy-associated hypertension	21.4	-32.1	-3.6	103.6	-32.1
2-9	Genital herpes during pregnancy	66.7	-66.7	66.7	-16.7	-16.7
2-10	Weight gain of less than 21 pounds	-26.4	16.2	18.3	61.9	-18.8
	<b>TOTAL SCORE</b>	<b>153.5</b>	<b>-299.1</b>	<b>339.4</b>	<b>1040.4</b>	<b>-221.3</b>
	<b>AVERAGE SCORE</b>	<b>15.3</b>	<b>-29.9</b>	<b>33.9</b>	<b>104.0</b>	<b>-22.1</b>

**3. UTILIZATION OF PRENATAL CARE SERVICES**

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
3-1	No care in the 1 <sup>st</sup> trimester	-45.9	40.2	-.4	27.9	-35.2
3-2	Fewer than five prenatal visits	-59.7	44.4	5.6	63.9	-37.5
3-3	No prenatal care	-79.3	65.5	20.7	-17.2	-44.8
	<b>TOTAL SCORE</b>	<b>-184.9</b>	<b>150.1</b>	<b>25.8</b>	<b>74.5</b>	<b>-117.6</b>
	<b>AVERAGE SCORE</b>	<b>-61.6</b>	<b>50.0</b>	<b>8.6</b>	<b>24.8</b>	<b>-39.2</b>

**4. NEWBORN'S HEALTH**

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
4-1	Incidence of hyaline membrane disease	66.7	-33.3	-33.3	.0	.0
4-2	Incidence of newborn intensive care	14.8	-13.0	29.6	-22.2	3.7
4-3	Born too early (preterm or < 37 weeks)	4.8	-6.7	37.1	-6.7	2.9
4-4	Born too small: low-birthweight (<2,500 grams)	-2.8	-2.8	64.8	-4.2	19.7
4-5	Born too small: very low-birthweight (<1,500 grams)	.0	.0	100.0	-18.2	36.4
4-6	Incidence of congenital anomalies	.0	.0	.0	30.0	.0
4-7	Infant mortality	-16.9	7.7	144.6	15.4	-32.3
4-8	Sudden Infant Death Syndrome (SIDS)	.0	.0	133.3	.0	-100.0
4-9	Mortality of infants from low birthweight/ short gestation	-33.3	22.2	300.0	.0	-55.6
4-10	Neonatal mortality	-14.0	14.0	139.5	-27.9	-53.5
4-11	Postneonatal mortality	-22.7	-4.5	154.5	100.0	9.1
	<b>TOTAL SCORE</b>	<b>-3.5</b>	<b>-16.5</b>	<b>1070.3</b>	<b>66.2</b>	<b>-169.6</b>
	<b>AVERAGE SCORE</b>	<b>-.3</b>	<b>-1.5</b>	<b>97.3</b>	<b>6.0</b>	<b>-15.4</b>

## 5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases)

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
5-1	Cardiovascular disease	-.5	7.7	51.0	-27.0	-43.8
5-2	Diseases of the heart	.3	.7	51.9	-28.0	-50.5
5-3	Coronary heart disease	.8	-1.4	56.9	-35.7	-51.8
5-4	Cerebrovascular disease	-5.0	41.0	57.2	-17.1	-18.2
5-5	Chronic lower respiratory diseases	6.4	-36.8	-33.3	-57.3	-65.9
5-6	Malignant neoplasm (cancer)	1.1	-.5	29.0	-28.7	-21.5
5-7	Lung cancer	6.8	-29.3	25.3	-72.2	-53.8
5-8	Breast cancer	.9	-14.5	86.4	-25.8	-11.3
5-9	Cervical cancer	-54.5	-18.2	209.1	90.9	377.3
5-10	Colorectal cancer	.0	18.4	46.9	-64.8	-83.2
5-11	Prostate cancer	.4	-10.8	64.1	-16.3	-69.7
5-12	Influenza and pneumonia	-6.8	19.2	29.9	151.7	-29.9
5-13	Diabetes	-18.7	92.6	164.0	174.9	-22.7
5-14	Chronic liver disease and cirrhosis	-15.7	53.0	-69.6	237.4	-71.3
5-15	HIV disease	-12.5	34.4	153.1	12.5	-46.9
5-16	Septicemia	-15.5	50.0	34.5	207.1	-19.0
5-17	Alzheimer's disease	2.8	-13.2	33.2	-82.8	-64.9
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	-16.8	82.2	106.9	144.6	58.4
5-19	Essential (primary) hypertension	-4.8	25.4	130.2	-14.3	49.2
5-20	Total mortality from all causes	-2.4	7.1	33.7	14.9	-36.6
	<b>TOTAL SCORE</b>	<b>-2.4</b>	<b>7.1</b>	<b>33.7</b>	<b>14.9</b>	<b>-36.6</b>
	<b>AVERAGE SCORE</b>	<b>-136.3</b>	<b>314.1</b>	<b>1294.4</b>	<b>578.9</b>	<b>-312.7</b>

**6. MORTALITY FROM INJURIES**

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
6-1	Unintentional injuries	-8.7	-.2	17.0	142.4	-43.5
6-2	Motor vehicle-related injuries	-18.9	18.3	-15.6	227.8	-34.4
6-3	Fall-related injuries	2.3	-37.5	-28.4	44.3	-14.8
6-4	Drowning mortality	-13.3	.0	80.0	66.7	-66.7
6-5	Injury by firearms	-14.2	6.1	56.8	5.4	-87.8
6-6	Drug-induced deaths	6.7	-12.5	95.8	-29.2	-100.0
6-7	Alcohol-induced deaths	-17.8	1.0	-32.7	388.1	-100.0
6-8	Intentional self-harm (suicide)	12.3	-43.8	-22.6	4.1	-58.9
6-9	Assault (homicide)	-55.4	77.1	200.0	126.5	-34.9
	<b>TOTAL SCORE</b>	<b>-107.1</b>	<b>8.5</b>	<b>350.3</b>	<b>976.1</b>	<b>-541.1</b>
	<b>AVERAGE SCORE</b>	<b>-11.9</b>	<b>.9</b>	<b>38.9</b>	<b>108.5</b>	<b>-60.1</b>

**7. AGE-SPECIFIC MORTALITY**

Figure number	Indicators	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
7-1	Mortality of children 1-14 years old	-10.3	-9.1	74.9	86.4	-62.1
7-2	Mortality of adolescents 15-19 years old	-31.6	16.0	18.7	160.2	-52.0
7-3	Mortality of young adults 20-44 years old	-7.6	-7.9	45.9	128.9	-62.4
7-4	Mortality of middle-aged adults 45-64 years old	-.4	-9.2	39.2	40.0	-55.3
	<b>TOTAL SCORE</b>	<b>-49.9</b>	<b>-10.2</b>	<b>178.6</b>	<b>415.4</b>	<b>-231.8</b>
	<b>AVERAGE SCORE</b>	<b>-12.5</b>	<b>-2.5</b>	<b>44.7</b>	<b>103.9</b>	<b>-58.0</b>

**8. PREMATURE MORTALITY**

Figure number	Indicators	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
8-1	Average age at death from all causes	-3.0	16.3	13.6	24.2	10.9
8-2	Average age at death from all causes among males	-2.9	17.4	13.8	27.7	8.8
8-3	Average age at death from all causes among females	-3.1	14.2	13.0	19.6	13.4
8-4	Percent of total deaths before expected years of life reached	-9.3	37.8	39.0	54.3	29.3
	<b>TOTAL SCORE</b>	<b>-18.3</b>	<b>85.7</b>	<b>79.4</b>	<b>125.8</b>	<b>62.4</b>
	<b>AVERAGE SCORE</b>	<b>-4.6</b>	<b>21.4</b>	<b>19.9</b>	<b>31.5</b>	<b>15.6</b>

**9. REPORTABLE DISEASES**

(Number of cases per 100,000 persons in specified group)

Figure number	Indicators	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
9-1	Incidence of early syphilis	-43.2	31.1	145.9	171.6	-87.8
9-2	Incidence of gonorrhea	-47.4	12.4	466.5	62.4	-75.9
9-3	Incidence of chlamydia	-55.7	44.9	136.7	174.7	-62.0
9-4	Incidence of genital herpes	-27.2	-11.7	42.6	87.7	-53.1
9-5	Incidence of HIV/AIDS	.9	-34.5	276.1	.0	-62.8
	<b>TOTAL SCORE</b>	<b>-172.6</b>	<b>42.2</b>	<b>1067.8</b>	<b>496.4</b>	<b>-341.6</b>
	<b>AVERAGE SCORE</b>	<b>-34.5</b>	<b>8.4</b>	<b>213.6</b>	<b>99.3</b>	<b>-68.3</b>

**OVERALL HEALTH STATUS (ALL 70 INDICATORS)**

	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
<b>SUM OF ALL SCORES FOR 70 INDICATORS</b>	<b>-737.6</b>	<b>570.7</b>	<b>4503.5</b>	<b>3917.0</b>	<b>-2073.9</b>
<b>AVERAGE OF ALL SCORES FOR 70 INDICATORS</b>	<b>-10.5</b>	<b>8.2</b>	<b>64.3</b>	<b>56.0</b>	<b>-29.6</b>



# **RANKING ORDER IN 2003**





**RANK ORDER IN 2003**

(A rank is the ordering of each ethnic group according to score).

**1 = RANKS BEST AMONG ETHNIC GROUPS**  
**5 = RANKS WORST AMONG ETHNIC GROUPS**

**1. TEEN PREGNANCIES**

Figure number	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
1-1	Pregnancies among females 19 and younger	1	5	4	3	2
1-2	Pregnancies among females 14 and younger	1	5	3	4	2
1-3	Pregnancies among females 15-17 years old	1	5	4	3	2
1-4	Pregnancies among females 18-19 years old	2	5	4	3	1
	<b>SUM OF RANKS</b>	<b>5.0</b>	<b>20.0</b>	<b>15.0</b>	<b>13.0</b>	<b>7.0</b>
	<b>AVERAGE RANK</b>	<b>1.3</b>	<b>4.0</b>	<b>3.8</b>	<b>3.3</b>	<b>1.8</b>

**2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS**

Figure number	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2-1	Unmarried mothers	2	3	4	5	1
2-2	Tobacco use during pregnancy	5	1	4	3	2
2-3	Alcohol use during pregnancy	3	1	4	5	2
2-4	Chronic hypertension	3	1	4	5	2
2-5	Dysfunctional labor	4	1	3	5	2
2-6	Anemia during pregnancy	3	1	4	5	2
2-7	Diabetes during pregnancy	1.5	1.5	3	5	4
2-8	Pregnancy-associated hypertension	4	1.5	3	5	1.5
2-9	Genital herpes during pregnancy	4.5	1	4.5	2.5	2.5
2-10	Weight gain of less than 21 pounds	1	3	4	5	2
	<b>SUM OF RANKS</b>	<b>31.0</b>	<b>15.0</b>	<b>37.5</b>	<b>45.5</b>	<b>21.0</b>
	<b>AVERAGE RANK</b>	<b>3.1</b>	<b>1.5</b>	<b>3.8</b>	<b>4.6</b>	<b>2.1</b>

**3. UTILIZATION OF PRENATAL CARE SERVICES**

Figure number	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
3-1	No care in the 1 <sup>st</sup> trimester	1	5	3	4	2
3-2	Fewer than five prenatal visits	1	4	3	5	2
3-3	No prenatal care	1	5	4	3	2
	<b>SUM OF RANKS</b>	<b>3.0</b>	<b>14.0</b>	<b>10.0</b>	<b>12.0</b>	<b>6.0</b>
	<b>AVERAGE RANK</b>	<b>1.0</b>	<b>4.7</b>	<b>3.3</b>	<b>4.0</b>	<b>2.0</b>

**4. NEWBORN'S HEALTH**

Figure number	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
4-1	Incidence of hyaline membrane disease	5	1.5	1.5	3.5	3.5
4-2	Incidence of newborn intensive care	4	2	5	1	3
4-3	Born too early (preterm or < 37 weeks)	4	1.5	5	1.5	3
4-4	Born too small: low-birthweight (<2,500 grams)	2.5	2.5	5	1	4
4-5	Born too small: very low-birthweight (<1,500 grams)	2.5	2.5	5	1	4
4-6	Incidence of congenital anomalies (birth defects)	2.5	2.5	2.5	5	2.5
4-7	Infant mortality	2	3	5	4	1
4-8	Sudden Infant Death Syndrome (SIDS)	3	3	5	3	1
4-9	Mortality of infants from low birthweight/ short gestation	2	4	5	3	1
4-10	Neonatal mortality	3	4	5	2	1
4-11	Postneonatal mortality	1	2	5	4	3
	<b>SUM OF RANKS</b>	<b>31.5</b>	<b>28.5</b>	<b>49.0</b>	<b>29.0</b>	<b>27.0</b>
	<b>AVERAGE RANK</b>	<b>2.9</b>	<b>2.6</b>	<b>4.5</b>	<b>2.6</b>	<b>2.5</b>

## 5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases)

Figure number	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
5-1	Cardiovascular disease	3	4	5	2	1
5-2	Diseases of the heart	3	4	5	2	1
5-3	Coronary heart disease	4	3	5	2	1
5-4	Cerebrovascular disease	3	4	5	2	1
5-5	Chronic lower respiratory diseases	5	3	4	2	1
5-6	Malignant neoplasm (cancer)	4	3	5	1	2
5-7	Lung cancer	4	3	5	1	2
5-8	Breast cancer	4	2	5	1	3
5-9	Cervical cancer	1	2	4	3	5
5-10	Colorectal cancer	3	4	5	2	1
5-11	Prostate cancer	4	3	5	2	1
5-12	Influenza and pneumonia	2	3	4	5	1
5-13	Diabetes	2	3	4	5	1
5-14	Chronic liver disease and cirrhosis	3	4	2	5	1
5-15	HIV disease	2	4	5	3	1
5-16	Septicemia	2	4	3	5	1
5-17	Alzheimer's disease	4	3	5	1	2
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	1	3	4	5	2
5-19	Essential (primary) hypertension	2	3	5	1	4
5-20	Total mortality from all causes	2	3	5	4	1
	<b>SUM OF RANKS</b>	<b>58.0</b>	<b>65.0</b>	<b>90.0</b>	<b>54.0</b>	<b>33.0</b>
	<b>AVERAGE RANK</b>	<b>2.9</b>	<b>3.3</b>	<b>4.5</b>	<b>2.7</b>	<b>1.7</b>

**6. MORTALITY FROM INJURIES**

Figure number	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
6-1	Unintentional injuries	2	3	4	5	1
6-2	Motor vehicle-related injuries	2	4	3	5	1
6-3	Fall-related injuries	4	1	2	5	3
6-4	Drowning mortality	2	3	5	4	1
6-5	Injury by firearms	2	4	5	3	1
6-6	Drug-induced deaths	4	3	5	2	1
6-7	Alcohol-induced deaths	3	4	2	5	1
6-8	Intentional self-harm (suicide)	5	2	3	4	1
6-9	Assault (homicide)	1	3	5	4	2
	<b>SUM OF RANKS</b>	<b>25.0</b>	<b>27.0</b>	<b>34.0</b>	<b>37.0</b>	<b>12.0</b>
	<b>AVERAGE RANK</b>	<b>2.8</b>	<b>3.0</b>	<b>3.8</b>	<b>4.1</b>	<b>1.3</b>

**7. AGE-SPECIFIC MORTALITY**

Figure number	Indicators	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
7-1	Mortality of children 1-14 years old	2	3	4	5	1
7-2	Mortality of adolescents 15-19 years old	2	3	4	5	1
7-3	Mortality of young adults 20-44 years old	3	2	4	5	1
7-4	Mortality of middle-aged adults 45-64 years old	3	2	4	5	1
	<b>SUM OF RANKS</b>	<b>10.0</b>	<b>10.0</b>	<b>16.0</b>	<b>20.0</b>	<b>4.0</b>
	<b>AVERAGE RANK</b>	<b>2.5</b>	<b>2.5</b>	<b>4.0</b>	<b>5.0</b>	<b>1.0</b>

**8. PREMATURE MORTALITY**

Figure number	Indicators	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
8-1	Average age at death from all causes	1	4	3	5	2
8-2	Average age at death from all causes among males	1	4	3	5	2
8-3	Average age at death from all causes among females	1	4	2	5	3
8-4	Percent of total deaths before expected years of life reached	1	3	4	5	2
	<b>SUM OF RANKS</b>	<b>4.0</b>	<b>15.0</b>	<b>12.0</b>	<b>20.0</b>	<b>9.0</b>
	<b>AVERAGE RANK</b>	<b>1.0</b>	<b>3.8</b>	<b>3.0</b>	<b>5.0</b>	<b>2.3</b>

**9. REPORTABLE DISEASES**

(Number of cases per 100,000 persons in specified group)

Figure number	Indicators	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
9-1	Incidence of early syphilis	2	3	4	5	1
9-2	Incidence of gonorrhea	2	3	5	4	1
9-3	Incidence of chlamydia	2	3	4	5	1
9-4	Incidence of genital herpes	2	3	4	5	1
9-5	Incidence of HIV/AIDS	4	2	5	3	1
	<b>SUM OF RANKS</b>	<b>12.0</b>	<b>14.0</b>	<b>22.0</b>	<b>22.0</b>	<b>5.0</b>
	<b>AVERAGE RANK</b>	<b>2.4</b>	<b>2.8</b>	<b>4.4</b>	<b>4.4</b>	<b>1.0</b>

**OVERALL HEALTH STATUS (ALL 70 INDICATORS)**

	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>SUM OF ALL RANKS FOR 70 MEASUREMENTS</b>	<b>179.5</b>	<b>208.5</b>	<b>285.5</b>	<b>252.5</b>	<b>124.0</b>
<b>AVERAGE RANKS BASED ON 70 MEASUREMENTS</b>	<b>2.6</b>	<b>3.0</b>	<b>4.1</b>	<b>3.6</b>	<b>1.8</b>



**COMPARATIVE  
RATES AND RATIOS,  
2000 – 2003**





**COMPARATIVE RATES AND RATIOS FOR  
2000 - 2003**

**2. TEEN PREGNANCIES**

(Number of pregnancies per 1,000 females in specified age group)

Figure no.	Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
1-1. Pregnancies among females 19 and younger							
	2003	34.5	18.2	57.5	45.4	39.9	19.2
	2002	35.2	20.1	57.6	42.5	36.6	19.1
	2001	36.0	21.1	59.1	45.1	36.7	20.3
	2000	39.5	25.2	60.9	51.9	41.3	21.3
1-2. Pregnancies among females 14 and younger							
	2003	1.4	0.4	2.6	1.2	2.5	0.6
	2002	1.3	0.4	2.5	2.4	1.3	0.3
	2001	1.3	0.5	2.5	2.2	1.4	0.0
	2000	1.5	0.7	2.7	2.4	1.6	0.3
1-3. Pregnancies among females 15-17 years old							
	2003	41.6	17.5	76.5	59.8	52.0	22.0
	2002	42.2	20.2	77.0	47.0	45.1	14.6
	2001	43.2	20.8	79.7	57.5	43.5	22.8
	2000	48.1	25.1	84.0	64.2	52.1	21.4
1-4. Pregnancies among females 18-19 years old							
	2003	108.2	62.9	172.7	147.5	134.2	52.1
	2002	111.2	67.9	172.8	148.0	130.1	61.6
	2001	113.2	71.7	176.0	146.4	133.4	57.1
	2000	123.6	85.0	178.4	171.7	144.4	62.4

**2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS**

(All ratios are per 100 live births)

Figure no.	Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2-1. Unmarried mothers							
	2003	41.2	25.1	52.7	62.7	72.4	16.3
	2002	40.2	25.0	52.2	61.8	69.7	15.5
	2001	39.4	24.5	51.0	64.2	70.1	17.0
	2000	39.3	24.8	51.4	62.2	68.5	15.1
2-2. Tobacco use during pregnancy							
	2003	5.8	9.4	2.1	8.7	3.2	2.8
	2002	6.3	10.7	2.1	9.7	3.3	2.3
	2001	6.8	11.0	2.4	10.7	4.0	2.7
	2000	6.8	11.0	2.4	11.0	3.5	2.5
2-3. Alcohol use during pregnancy							
	2003	0.9	1.1	0.4	1.3	2.4	0.5
	2002	0.9	1.0	0.4	1.2	2.6	0.2
	2001	0.9	1.0	0.5	1.6	2.6	0.4
	2000	1.0	1.3	0.6	1.6	2.3	0.6
2-4. Chronic hypertension							
	2003	0.3	0.4	0.2	0.5	0.7	0.3
	2002	0.4	0.4	0.2	0.7	0.8	0.2
	2001	0.4	0.4	0.2	0.7	1.3	0.2
	2000	0.4	0.4	0.2	0.7	1.3	0.3

**DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003**

Figure no.	Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>2-5. Dysfunctional labor</b>							
	2003	0.8	0.9	0.5	0.8	2.4	0.6
	2002	1.0	1.1	0.7	1.2	2.7	1.3
	2001	1.2	1.4	0.6	1.2	3.0	1.7
	2000	0.8	0.8	0.5	0.7	2.2	0.8
<b>2-6. Anemia during pregnancy</b>							
	2003	2.0	2.3	1.2	2.8	5.5	1.7
	2002	1.8	1.9	1.1	2.7	5.1	1.1
	2001	1.6	1.5	1.0	1.7	6.0	1.6
	2000	1.7	1.7	1.1	2.0	4.8	1.1
<b>2-7. Diabetes during pregnancy</b>							
	2003	2.1	1.8	1.8	2.2	6.0	3.0
	2002	2.3	1.9	2.2	2.0	6.5	2.9
	2001	2.2	1.8	2.0	1.8	6.2	3.9
	2000	2.3	1.9	2.0	1.8	6.7	3.1
<b>2-8. Pregnancy-associated hypertension</b>							
	2003	2.8	3.4	1.9	2.7	5.7	1.9
	2002	2.5	3.0	1.7	2.5	4.6	1.5
	2001	2.6	3.1	1.7	2.4	5.7	1.8
	2000	3.0	3.6	2.0	2.9	5.6	2.3
<b>2-9. Genital herpes during pregnancy</b>							
	2003	0.6	1.0	0.2	1.0	0.5	0.5
	2002	0.7	1.1	0.2	1.2	0.3	0.4
	2001	0.8	1.3	0.3	1.2	0.3	0.7
	2000	0.7	1.2	0.2	0.7	0.3	0.5
<b>2-10. Weight gain of less than 21 pounds</b>							
	2003	19.7	14.5	22.9	23.3	31.9	16.0
	2002	19.3	15.4	22.1	19.3	28.2	16.3
	2001	18.5	14.9	20.9	21.3	28.8	16.0
	2000	19.1	15.4	21.3	22.4	30.4	16.7

**3. UTILIZATION OF PRENATAL CARE SERVICES**

(Per 100 live births)

Figure No.	Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>3-1. No care in the 1<sup>st</sup> trimester</b>							
	2003	24.4	13.2	34.2	24.3	31.2	15.8
	2002	24.3	13.5	34.4	24.8	35.6	15.7
	2001	24.5	13.8	34.7	26.2	35.4	17.3
	2000	25.0	14.0	36.5	28.9	34.2	15.0
<b>3-2. Fewer than five prenatal visits</b>							
	2003	7.2	2.9	10.4	7.6	11.8	4.5
	2002	6.6	2.9	9.9	6.0	12.4	3.3
	2001	9.4	5.1	13.2	11.8	14.5	5.4
	2000	6.7	2.8	10.5	6.6	12.5	3.3

**DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003**

<b>3. UTILIZATION OF PRENATAL CARE SERVICES (continued)</b> <b>(Per 100 live births)</b>						
3-3. No prenatal care						
2003	2.9	0.6	4.8	3.5	2.4	1.6
2002	2.2	0.7	3.8	1.7	2.6	1.1
2001	1.9	0.6	3.2	1.6	1.9	1.1
2000	2.1	0.7	3.6	2.4	2.4	0.9

**4. NEWBORN'S HEALTH**

(Infant, neonatal and postneonatal rates are per 1,000 live births. All other indicators are expressed per 100 live births).

Figure no.	Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
4-1. Hyaline membrane disease							
2003		0.3	0.5	0.2	0.2	0.3	0.3
2002		0.5	0.7	0.3	0.5	0.4	0.8
2001		0.3	0.4	0.2	0.5	0.4	0.3
2000		0.3	0.4	0.2	0.6	0.2	0.3
4-2. Newborn intensive care							
2003		5.4	6.2	4.7	7.0	4.2	5.6
2002		5.6	6.3	5.0	7.2	4.8	5.7
2001		5.7	5.9	5.4	9.0	4.6	5.6
2000		5.8	5.5	6.3	9.3	4.6	4.3
4-3. Born too early (preterm or < 37 weeks)							
2003		10.5	11.0	9.8	14.4	9.8	10.8
2002		10.0	10.5	9.4	14.0	9.6	11.0
2001		9.9	10.1	9.4	14.8	10.1	9.8
2000		10.3	10.5	9.8	14.9	9.4	9.3
4-4. Born too small: low-birthweight (<2,500 grams)							
2003		7.1	6.9	6.9	11.7	6.8	8.5
2002		6.8	6.7	6.4	11.9	6.5	8.6
2001		7.0	6.7	6.7	13.7	7.3	7.7
2000		7.0	7.0	6.7	13.0	6.7	7.6
4-5. Born too small: very low-birthweight (<1,500 grams)							
2003		1.1	1.1	1.1	2.2	0.9	1.5
2002		1.1	1.2	1.0	2.5	0.9	1.2
2001		1.1	1.0	1.0	2.7	1.0	0.9
2000		1.2	1.1	1.1	2.6	1.4	1.2
4-6. Incidence of congenital anomalies (birth defects)							
2003		1.0	1.0	1.0	1.0	1.3	1.0
2002		1.3	1.4	1.1	1.2	2.2	0.9
2001		1.3	1.4	1.1	1.4	1.9	1.3
2000		1.3	1.5	0.9	1.1	1.9	0.8
4-7. Infant mortality							
2003		6.5	5.4	7.0	15.9	7.5	4.4
2002		6.3	5.9	6.6	13.1	7.0	4.0
2001		6.9	5.7	6.7	22.7	10.7	3.8
2000		6.7	6.1	6.3	17.8	9.6	4.9

**DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003**

**4. NEWBORN'S HEALTH**

(Infant, neonatal and postneonatal rates are per 1,000 live births. All other indicators are expressed per 100 live births).

Figure no.	Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
4-8. Sudden Infant Death Syndrome (SIDS)							
	2003	0.3	0.3	0.3	0.7	0.3	0.0
	2002	0.4	0.4	0.3	2.2	0.4	0.0
	2001	0.4	0.4	0.2	2.9	0.4	0.0
	2000	0.3	0.3	0.2	0.7	0.7	0.0
4-9. Mortality of infants from low birthweight/short gestation							
	2003	0.9	0.6	1.1	3.6	0.9	0.4
	2002	1.1	0.9	1.3	2.6	0.7	0.0
	2001	0.9	0.6	1.1	4.0	0.4	0.0
	2000	0.6	0.4	0.9	2.5	0.9	0.0
4-10. Neonatal mortality							
	2003	4.3	3.7	4.9	10.3	3.1	2.0
	2002	4.1	3.9	4.6	5.8	3.6	3.1
	2001	4.5	4.0	4.5	15.0	4.1	2.4
	2000	4.3	3.8	4.2	9.8	6.4	2.0
4-11. Postneonatal mortality							
	2003	2.2	1.7	2.1	5.6	4.4	2.4
	2002	2.2	2.0	2.0	7.3	3.4	.9
	2001	2.4	1.7	2.2	7.7	6.6	1.4
	2000	2.4	2.3	2.0	8.0	3.2	2.0

**5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases)**

(Number of deaths per 100,000 population age-adjusted to 2000 standard)

Figure no.	Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
5-1. Cardiovascular Diseases							
	2003	258.4	257.2	278.2	390.1	188.6	145.3
	2002	265.5	266.1	276.3	329.8	216.2	218.4
	2001	267.3	265.8	281.4	388.1	234.1	184.3
	2000	276.1	276.0	273.6	411.5	257.5	190.6
5-2. Diseases of the Heart							
	2003	197.1	197.7	198.5	299.4	141.9	97.6
	2002	201.0	203.0	201.2	237.0	164.0	145.6
	2001	201.7	202.1	206.1	273.6	177.7	116.1
	2000	206.1	207.2	204.7	289.5	183.8	132.3

**DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003**

**5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases, continued)**

(Number of deaths per 100,000 population age-adjusted to 2000 standard)

Figure no.	Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>5-3. Coronary Heart Disease</b>							
	2003	156.6	157.8	154.4	245.7	100.7	75.5
	2002	159.5	161.7	159.4	181.2	119.5	104.4
	2001	149.3	149.8	159.7	196.9	116.4	80.7
	2000	160.4	162.4	154.7	225.1	124.4	107.4
<b>5-4. Cerebrovascular Disease</b>							
	2003	43.9	41.7	61.9	69.0	36.4	35.9
	2002	47.0	45.9	53.9	69.6	39.4	57.6
	2001	47.7	46.2	55.4	79.6	44.3	51.1
	2000	51.7	50.8	51.2	82.4	55.3	46.1
<b>5-5. Chronic lower respiratory diseases</b>							
	2003	45.4	48.3	28.7	30.3	19.4	15.5
	2002	47.0	50.4	25.2	38.3	22.3	24.5
	2001	46.9	51.0	17.7	37.9	26.8	21.4
	2000	47.4	51.1	24.4	30.4	21.9	12.7
<b>5-6. Malignant neoplasms (cancer)</b>							
	2003	169.4	171.2	168.5	218.5	120.7	132.9
	2002	168.6	172.4	156.3	222.7	117.6	116.5
	2001	169.2	173.1	155.6	213.0	121.7	147.0
	2000	170.4	174.8	156.9	216.1	123.0	103.4
<b>5-7. Lung Cancer</b>							
	2003	47.4	50.6	33.5	59.4	13.2	21.9
	2002	46.6	50.1	27.7	61.2	13.1	24.7
	2001	44.5	47.6	29.2	55.7	9.8	41.7
	2000	46.1	49.1	31.6	65.8	8.9	29.6
<b>5-8. Breast Cancer</b>							
	2003	22.1	22.3	18.9	41.2	16.4	19.6
	2002	22.2	22.5	18.7	42.3	9.6	17.7
	2001	23.6	24.7	17.5	55.8	11.7	12.7
	2000	25.4	26.2	20.7	29.5	12.1	12.8
<b>5-9. Cervical Cancer</b>							
	2003	2.2	1.0	1.8	6.8	4.2	10.5
	2002	2.2	1.9	3.7	2.0	4.7	2.0
	2001	2.8	2.5	3.9	3.5	5.4	.0
	2000	3.0	2.5	3.7	7.6	10.1	3.5
<b>5-10. Colorectal Cancer</b>							
	2003	17.9	17.9	21.2	26.3	6.3	3.0
	2002	16.5	16.9	16.2	26.4	9.1	9.7
	2001	16.7	16.9	16.6	27.4	7.2	10.6
	2000	17.0	17.4	16.4	16.3	8.2	6.6

**5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases, continued)**

(Number of deaths per 100,000 population age-adjusted to 2000 standard)

Figure no.	Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
5-11. Prostate Cancer							
	2003	25.1	25.2	22.4	41.2	21.0	7.6
	2002	24.8	24.1	35.3	48.6	12.5	8.4
	2001	24.3	24.1	26.3	45.0	14.0	24.2
	2000	28.4	28.0	30.0	74.8	27.1	8.9
5-12. Pneumonia and influenza							
	2003	23.4	21.8	27.9	30.4	58.9	16.4
	2002	25.0	24.3	26.1	29.2	51.7	13.2
	2001	21.9	21.3	26.1	14.8	43.0	15.0
	2000	24.4	23.3	30.1	26.9	48.2	11.9
5-13. Diabetes							
	2003	20.3	16.5	39.1	53.6	55.8	15.7
	2002	22.3	18.0	45.6	41.0	80.8	21.9
	2001	19.9	15.4	42.9	55.7	72.8	14.8
	2000	19.0	14.9	41.1	46.0	74.6	19.5
5-14. Chronic liver disease and cirrhosis							
	2003	11.5	9.7	17.6	3.5	38.8	3.3
	2002	12.1	9.9	21.6	9.8	40.5	5.3
	2001	12.3	10.6	17.4	11.7	39.1	4.0
	2000	12.8	10.4	15.8	6.6	61.7	4.1
5-15. HIV Disease							
	2003	3.2	2.8	4.3	8.1	3.6	1.7
	2002	3.1	2.5	3.2	14.3	5.5	0.0
	2001	3.1	2.6	3.2	11.2	5.5	1.1
	2000	3.2	3.1	3.4	9.6	1.8	.0
5-16. Septicemia							
	2003	8.4	7.1	12.6	11.3	25.8	6.8
	2002	8.3	7.3	10.5	14.8	23.4	0.0
	2001	7.2	6.0	10.7	13.6	21.8	3.2
	2000	6.7	6.0	9.9	6.2	21.5	1.3
5-17. Alzheimer's Disease							
	2003	32.5	33.4	28.2	43.3	5.6	11.4
	2002	28.0	28.9	24.7	25.1	8.8	17.4
	2001	22.5	23.5	14.7	21.5	12.7	14.6
	2000	21.8	22.5	18.9	20.5	7.2	7.8
5-18. Nephritis, Nephrotic Syndrome and Nephrosis (kidney disease)							
	2003	10.1	8.4	18.4	20.9	24.7	16.0
	2002	11.3	9.7	21.6	20.8	25.8	4.7
	2001	12.0	9.9	22.6	23.5	33.5	8.4
	2000	11.7	10.1	22.1	26.9	22.6	5.0

**5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases, continued)**

(Number of deaths per 100,000 population age-adjusted to 2000 standard)

Figure no.	Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
5-19. Essential (primary) hypertension							
	2003	6.3	6.0	7.9	14.5	5.4	9.4
	2002	5.6	5.4	7.3	12.5	4.9	5.1
	2001	5.9	5.5	8.7	13.8	3.4	11.8
	2000	5.6	5.2	7.3	11.2	10.8	5.8
5-20. Total mortality from all causes							
	2003	784.0	764.9	839.5	1048.6	900.7	497.2
	2002	796.4	786.7	811.1	951.5	975.1	560.4
	2001	791.2	778.1	787.6	1050.6	1010.5	560.7
	2000	785.6	776.6	769.9	1057.5	1011.4	504.1

**6. MORTALITY FROM INJURIES**

(Number of deaths per 100,000 population age-adjusted to 2000 standard)

Figure no.	Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
6-1. Unintentional injuries							
	2003	44.8	40.9	44.7	52.4	108.6	25.3
	2002	45.2	41.5	45.5	44.0	111.0	15.5
	2001	46.6	42.5	45.6	52.6	112.7	29.9
	2000	41.1	36.9	41.6	49.7	113.1	24.1
6-2. Motor vehicle-related injuries							
	2003	18.0	14.6	21.3	15.2	59.0	11.8
	2002	18.5	14.7	21.1	11.9	65.9	10.1
	2001	17.2	13.5	18.2	19.1	63.2	8.6
	2000	17.5	13.8	18.2	19.3	74.2	15.3
6-3. Fall-related injuries							
	2003	8.8	9.0	5.5	6.3	12.7	7.5
	2002	8.6	8.7	6.6	4.9	12.9	2.7
	2001	8.9	8.9	7.8	8.8	11.3	8.3
	2000	7.6	7.6	8.9	5.2	6.0	3.9
6-4. Drowning mortality							
	2003	1.5	1.3	1.5	2.7	2.5	.5
	2002	1.2	1.3	1.2	0.5	1.3	1.9
	2001	1.6	1.8	1.3	1.5	1.2	4.0
	2000	1.7	1.6	1.2	3.3	3.8	1.1
6-5. Injury by firearms							
	2003	14.8	12.7	15.7	23.2	15.6	1.8
	2002	17.3	16.2	17.0	19.1	14.6	5.8
	2001	15.5	13.9	15.8	25.3	11.8	9.0
	2000	15.3	13.9	14.9	25.7	12.2	11.1

**DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003**

**6. MORTALITY FROM INJURIES** (continued)

(Number of deaths per 100,000 population age-adjusted to 2000 standard)

Figure no.	Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
6-6. Drug-induced deaths							
	2003	12.0	12.8	10.5	23.5	8.5	.0
	2002	12.2	13.1	9.8	19.8	13.1	0.0
	2001	11.3	12.4	9.4	13.8	9.3	.9
	2000	6.8	7.3	5.0	9.6	6.7	.0
6-7. Alcohol-induced deaths							
	2003	10.1	8.3	10.2	6.8	49.3	.0
	2002	9.3	8.2	9.9	10.3	39.4	0.9
	2001	8.4	6.8	9.1	7.9	41.5	1.1
	2000	8.7	6.8	8.6	6.1	56.1	1.3
6-8. Intentional self-harm (Suicide)							
	2003	14.6	16.4	8.2	11.3	15.2	6.0
	2002	15.9	18.3	8.3	6.2	17.9	4.1
	2001	11.5	12.8	5.9	9.2	15.4	9.4
	2000	14.6	16.7	7.2	6.5	16.2	5.7
6-9. Assault (Homicide)							
	2003	8.3	3.7	14.7	24.9	18.8	5.4
	2002	8.6	4.4	15.1	21.3	20.3	3.3
	2001	8.7	4.3	15.5	22.2	17.2	4.9
	2000	7.6	3.9	13.0	22.7	14.9	7.6

**7. AGE-SPECIFIC MORTALITY**

(Number of deaths per 100,000 persons in specified group)

Figure no.	Indicators	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
7-1. Mortality of children 1-14 years old							
	2003	24.3	21.8	22.1	42.5	45.3	9.2
	2002	23.7	18.3	25.0	32.6	55.8	15.5
	2001	28.8	23.9	26.3	43.2	71.0	31.9
	2000	25.3	20.8	27.4	37.2	48.2	22.0
7-2. Mortality of adolescents and young adults 15-19 years old							
	2003	75.4	51.6	87.5	89.5	196.2	36.2
	2002	83.2	64.8	93.8	107.5	195.8	24.3
	2001	86.6	70.2	82.7	73.2	265.2	61.9
	2000	78.9	68.6	74.0	149.5	171.2	0.0



**7. AGE-SPECIFIC MORTALITY (continued)**

(Number of deaths per 100,000 persons in specified group)

Figure no.	Indicators	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
7-3. Mortality among adults 20-44 years old							
	2003	151.1	139.6	139.1	220.4	345.8	56.8
	2002	154.7	143.4	148.5	212.3	350.3	48.6
	2001	158.2	145.2	147.5	250.1	373.2	60.6
	2000	156.5	173.1	136.3	212.3	403.1	93.3
7-4. Mortality among adults 45-65 years old							
	2003	653.7	651.1	593.5	909.7	914.9	292.2
	2002	654.8	656.7	588.5	878.8	1025.6	258.9
	2001	632.1	631.9	545.9	996.1	981.4	312.2
	2000	633.9	636.8	540.5	929.9	994.2	276.1

**8. PREMATURE MORTALITY**

Figure no.	Indicators	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
8-1. Average age at death from all causes							
	2003	72.2	74.4	60.4	62.4	54.7	64.3
	2002	71.5	74.3	58.6	60.9	55.8	67.4
	2001	71.2	74.2	58.4	59.1	54.3	63.9
	2000	71.6	73.9	59.2	60.8	55.4	62.3
8-2. Average age at death from all causes among males							
	2003	69.6	71.6	57.5	60.0	50.3	63.5
	2002	68.1	71.3	54.9	56.9	52.5	64.2
	2001	67.9	71.2	54.8	55.6	50.1	61.6
	2000	68.7	70.9	55.8	56.8	51.6	61.6
8-3. Average age at death from all causes among females							
	2003						
	2002	75.3	77.5	63.9	66.4	60.4	71.1
	2001	75.0	77.3	63.4	63.2	60.0	66.0
	2000	74.9	77.0	63.7	65.8	60.4	63.0
8-4. Percent of total deaths before expected years of life reached							
	2003	50.8	46.1	70.0	70.6	78.4	65.7
	2002	50.2	45.6	70.3	71.7	78.3	59.8
	2001	51.0	46.2	71.2	73.0	79.1	69.9
	2000	51.6	47.3	70.5	69.3	78.7	69.6

**9. REPORTABLE DISEASES**

(Number of cases per 100,000 persons in specified group)

Figure no.	Indicators	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
9-1. Incidence of early syphilis							
	2003	7.4	4.2	9.7	18.2	20.1	0.9
	2002	7.3	2.5	12.6	40.2	16.1	0.9
	2001	8.4	2.6	16.6	52.4	15.1	0.0
	2000	8.5	3.2	15.4	60.4	12.1	3.0
9-2. Incidence of gonorrhea							
	2003	63.5	33.4	71.4	359.7	103.1	15.3
	2002	68.9	30.5	98.6	432.0	107.7	11.3
	2001	73.9	32.4	99.7	558.5	115.5	10.8
	2000	80.0	29.5	111.8	630.8	105.1	22.2
9-3. Incidence of chlamydia							
	2003	227.1	100.7	329.1	537.6	623.9	86.4
	2002	272.2	113.2	453.3	700.0	716.9	104.7
	2001	270.4	116.5	466.4	756.7	738.9	113.7
	2000	243.9	96.7	350.3	686.2	844.1	89.9
9-4. Incidence of genital herpes							
	2003	16.2	11.8	14.3	23.1	30.4	7.6
	2002	21.0	16.2	19.7	45.0	35.9	7.67
	2001	22.1	17.7	23.8	43.3	27.9	13.7
	2000	21.8	15.8	17.1	47.8	33.6	7.1
9-5. Incidence of HIV/HIV/AIDS							
	2003	11.3	11.4	7.4	42.5	11.3	4.2
	2002	8.1	6.7	8.5	33.0	10.9	2.8
	2001	7.0	6.4	6.3	29.4	6.8	3.9
	2000	6.9	6.4	7.3	23.3	9.0	5.0

# **DATA SOURCES AND DEFINITIONS**



## SOURCES OF DATA

Information on births and deaths is compiled from the original documents (i.e., certificates of live births and certificates of death) filed with the Arizona Department of Health Services. Information on induced terminations of pregnancy (abortions) performed on Arizona women is compiled from reports sent to the Arizona Department of Health Services by facilities within but not outside the state.

Pregnancies are the sum of live births, spontaneous terminations of pregnancy (fetal deaths or stillbirths) and induced terminations of pregnancy (abortions).

Data on morbidity, levels of disease and disability in the population, are obtained for certain infectious diseases that must be reported by law. The ADHS Epidemiology and Disease Control Services conducts surveillance and monitoring of these reportable diseases and provided data for section 9 in this report.

In order to obtain the 2003 population denominators, the 2000 percentages of population breakdowns (or census shares) by race/ethnicity, age group and gender were applied to total state population estimates released by the Arizona Department of Economic Security on 12/11/03 ([http://www.workforce.az.gov/admin/uploadedPublications/1003\\_EEC-03.pdf](http://www.workforce.az.gov/admin/uploadedPublications/1003_EEC-03.pdf)). The total for all groups includes racial/ethnic groups other than White non-Hispanic, Hispanic, Black, American Indian and Asian

Almost all figures are based on rates and ratios published in the *2003 Arizona Health Status and Vital Statistics* report and available online at <http://www.azdhs.gov/plan/report/ahs/index.htm>.

## DEFINITIONS

### 1. TEEN PREGNANCIES

Figure number	Indicator	Definitions
1-1	Pregnancies among females 19 and younger	The sum of live births, fetal deaths, and abortions per 1,000 females aged 19 or younger.
1-2	Pregnancies among females 14 and younger	The sum of live births, fetal deaths, and abortions per 1,000 females aged 14 or younger.
1-3	Pregnancies among females 15-17 years old	The sum of live births, fetal deaths, and abortions per 1,000 females aged 15-17 years.
1-4	Pregnancies among females 18-19 years old	The sum of live births, fetal deaths, and abortions per 1,000 females aged 18-19 years.

### 2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

Figure number	Indicator	Definitions
2-1	Unmarried mothers	The number of births to unmarried mothers per 100 births.
2-2	Tobacco use during pregnancy	The number of mothers giving birth who self-reported tobacco use during pregnancy per 100 births.
2-3	Alcohol use during pregnancy	The number of mothers giving birth who self-reported alcohol use during pregnancy per 100 births.
2-4	Chronic hypertension	Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20th week of gestation (the number of cases per 100 births).

## DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003

2-5	Dysfunctional labor	Failure to progress in a normal pattern of labor (the number of cases per 100 births).
2-6	Anemia during pregnancy	Hemoglobin level of less than 10.0 g/dL during pregnancy, or hematocrit of less than 30 percent during pregnancy (the number of cases per 100 births).
2-7	Diabetes during pregnancy	Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset and gestational diabetes during pregnancy (the number of cases per 100 births).
2-8	Pregnancy-associated hypertension	An increase in blood pressure of at least 30 mm hg systolic or 15 mm hg diastolic on two measurements taken 6 hours apart after the 20th week of gestation (the number of cases per 100 births).
2-9	Genital herpes during pregnancy	Infection of the skin of the genital area by herpes simplex virus (the number of cases per 100 births).
2-10	Weight gain of less than 21 pounds	The number of women giving birth who gained less than 21 pounds per 100 births.

### 3. UTILIZATION OF PRENATAL CARE SERVICES

Figure number	Indicator	Definition
3-1	No care in the 1 <sup>st</sup> trimester	The number of mothers giving birth who received no prenatal care in the 1 <sup>st</sup> trimester of pregnancy per 100 births.
3-2	Fewer than five prenatal visits	The number of mothers giving birth who had fewer than five prenatal visits during pregnancy per 100 births.
3-3	No prenatal care	The number of mothers giving birth who received no prenatal care during pregnancy per 100 births.

### 4. NEWBORN'S HEALTH

Figure number	Indicator	Definition
4-1	Incidence of hyaline membrane disease	The number of cases of hyaline membrane disease per 100 births. Hyaline membrane disease = a disorder primarily of prematurity, manifested clinically by respiratory distress and pathologically by pulmonary hyaline membranes and incomplete expansion of the lungs at birth.
4-2	Incidence of newborn intensive care	The number of babies admitted to Newborn Intensive Care units per 100 births.
4-3	Born too early (preterm or < 37 weeks)	The number of births before 37 weeks of gestation per 100 births. Preterm = any neonate whose birth occurs through the end of the last day of the 37 <sup>th</sup> week (259 <sup>th</sup> day), following onset of the last menstrual period.
4-4	Born too small: low-birthweight (<2,500 grams)	The number of newborns weighing less than 2,500 grams per 100 births. Low-birthweight = any neonate weighing less than 2,500 grams at birth (less than 5 pounds 8 ounces).
4-5	Born too small: very low-birthweight (<1,500 grams)	The number of newborns weighing less than 1,500 grams per 100 births. Very low-birthweight = any neonate whose weight at birth is 1,500 grams or less (less than 3 pounds 5 ounces).
4-6	Incidence of congenital anomalies (birth defects)	The numbers of babies born with birth defects per 100 births.
4-7	Infant mortality	The number of infant deaths per 1,000 live births. Infant death = any death at any time from birth up to, but not including, the first year of age (364 days, 23 hours, 59 minutes from the moment of birth).
4-8	Sudden Infant Death Syndrome (SIDS)	The number of infant deaths from Sudden Infant Death Syndrome (ICD-10 code R95) per 1,000 live births.

**DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003**

4-9	Mortality of infants from low birthweight/short gestation	The number of infant deaths from low- birthweight/short gestation (ICD-10 code P07) per 1,000 live births.
4-10	Neonatal mortality	The number of neonatal deaths per 1,000 live births. Neonatal death = death of a liveborn neonate before the neonate becomes 28 days old (up to and including 27 days, 23 hours, 59 minutes from the moment of birth).
4-11	Postneonatal mortality	The number of postneonatal deaths per 1,000 live births. Postneonatal death = any death of a liveborn infant at least 28 days of age but less than one year of age.

**5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases)**

Figure number	Indicator	Definition
5-1	Cardiovascular disease	The number of deaths from cardiovascular diseases (ICD-10 codes I00-I78) per 100,000 age-adjusted population.
5-2	Diseases of the heart	The number of deaths from disease of the heart (ICD-10 codes I00–I09, I11, I13, I20–I51) per 100,000 age-adjusted population.
5-3	Coronary heart disease	The number of deaths from coronary heart disease (ICD-10 codes I200-I259 and I110 – I119) per 100,000 age-adjusted population.
5-4	Cerebrovascular disease	The number of deaths from cerebrovascular disease (ICD-10 codes I60–I69) per 100,000 age-adjusted population.
5-5	Chronic lower respiratory diseases	The number of deaths from chronic lower respiratory diseases (ICD-10 codes J40–J47) per 100,000 age-adjusted population.
5-6	Malignant neoplasm (cancer)	The number of deaths from cancer (ICD-10 codes C00–C97) per 100,000 age-adjusted population.
5-7	Lung cancer	The number of deaths from lung cancer (ICD-10 codes C33–C34) per 100,000 age-adjusted population.
5-8	Breast cancer	The number of deaths from breast cancer (ICD-10 code C50) per 100,00 age-adjusted female population.
5-9	Cervical cancer	The number of deaths from cervical cancer (ICD-10 code C53) per 100,000 age-adjusted female population.
5-10	Colorectal cancer	The number of deaths from colorectal cancer (ICD-10 codes C18–C21) per 100,000 age-adjusted population.
5-11	Prostate cancer	The number of deaths from prostate cancer (ICD-10 code C61) per 100,000 age-adjusted male population.
5-12	Influenza and pneumonia	The number of deaths from influenza and pneumonia (ICD-10 codes J10–J18) per 100,000 age-adjusted population.
5-13	Diabetes	The number of deaths from diabetes (ICD-10 codes E10–E14) per 100,000 age-adjusted population.
5-14	Chronic liver disease and cirrhosis	The number of deaths from chronic liver disease and cirrhosis (ICD-10 codes K70, K73–K74) per 100,000 age-adjusted population.
5-15	HIV disease	The number of deaths from HIV disease (ICD-10 codes B20-B24) per 100,000 age-adjusted population.
5-16	Septicemia	The number of deaths from septicemia (ICD-10 codes A40-A41) per 100,000 age-adjusted population.
5-17	Alzheimer's disease	The number of deaths from Alzheimer's disease (ICD-10 code G30) per 100,000 age-adjusted population.
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	The number of deaths from nephritis, nephritic syndrome and nephrosis (ICD-10 codes N00–N07, N17–N19, N25–N27) per 100,000 age-adjusted population.
5-19	Essential (primary) hypertension	The number of deaths from essential (primary) hypertension (ICD-10 codes I10, I12) per 100,000 age-adjusted population.
5-20	Total mortality from all causes	Total number of deaths from all causes per 100,000 age-adjusted population.

## 6. MORTALITY FROM INJURIES

Figure number	Indicator	Definition
6-1	Unintentional injuries	The number of deaths from unintentional injuries in accidents (ICD-10 codes V01–X59, Y85–Y86) per 100,000 age-adjusted population.
6-2	Motor vehicle-related injuries	The number of deaths from motor vehicle-related injuries (ICD-10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, V89.2) per 100,000 age-adjusted population.
6-3	Fall-related injuries	The number of deaths from fall-related injuries (ICD-10 codes W00–W19) per 100,000 age-adjusted population.
6-4	Drowning mortality	The number of deaths due to accidental drowning and submersion (ICD-10 codes W65–W74) per 100,000 age-adjusted population.
6-5	Injury by firearms	The number of deaths by firearms (ICD-10 codes W32–W34, X72–X74, X93–X95, Y22–Y24, Y35.0) per 100,000 age-adjusted population. Causes of death attributable to firearm mortality include accidental discharge of firearms, intentional self-harm (suicide) by discharge of firearms, assault (homicide) by discharge of firearms, discharge of firearms, undetermined intent; and legal intervention involving firearm discharge. Deaths from injury by firearms exclude deaths due to explosives and other causes indirectly related to firearms.
6-6	Drug-induced deaths	The number of drug-induced deaths (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, F17.3–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) per 100,000 age-adjusted population. Causes of death attributable to drug-induced mortality include selected codes from the ICD-10 title Mental and behavioral disorders due to psychoactive substance use, accidental poisoning by and exposure to drugs, medicaments and biological substances; intentional self-poisoning (suicide) by and exposure to drugs; assault (homicide) by drugs, medicaments and biological substances; and poisoning by and exposure to drugs, medicaments and biological substances, undetermined intent. Drug-induced causes exclude accidents, homicides, and other causes indirectly related to drug use. Also excluded are newborn deaths associated with mother's drug use.
6-7	Alcohol-induced deaths	The number of alcohol-induced deaths (ICD-10 codes F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, Y15) per 100,000 age-adjusted population. Causes of death attributable to alcohol-induced mortality include mental and behavioral disorders due to alcohol use, degeneration of nervous system due to alcohol, alcoholic polyneuropathy, alcoholic cardiomyopathy, alcoholic gastritis, alcoholic liver disease, finding of alcohol in blood, accidental poisoning by and exposure to alcohol, intentional self-poisoning by and exposure to alcohol; and poisoning by and exposure to alcohol, undetermined intent. Alcohol-induced causes exclude accidents, homicides, and other causes indirectly related to alcohol use.
6-8	Intentional self-harm (suicide)	The number of deaths due to intentional self-harm (ICD-10 codes X60–X84, Y87.0) per 100,000 age-adjusted population.
6-9	Assault (homicide)	The number of homicides (ICD-10 codes X85–X09, Y87.1) per 100,000 age-adjusted population.



**7. AGE-SPECIFIC MORTALITY**

Figure number	Indicators	Definition
7-1	Mortality of children 1-14 years old	The number of deaths per 100,000 children 1-14 years old in 2003
7-2	Mortality of adolescents 15-19 years old	The number of deaths per 100,000 adolescents 15-19 years old in 2003
7-3	Mortality of young adults 20-44 years old	The number of deaths per 100,000 young adults 20-44 years old in 2003
7-4	Mortality of middle-aged adults 45-64 years old	The number of deaths per 100,000 middle-aged adults 45-64 years old in 2003

**8. PREMATURE MORTALITY**

Figure number	Indicators	
8-1	Average age at death from all causes	The average age of Arizonans who died in 2003.
8-2	Average age at death from all causes among males	The average age of Arizona males who died in 2003.
8-3	Average age at death from all causes among females	The average age of Arizona females who died in 2003.
8-4	Percent of total deaths before expected years of life reached	The number of deaths before reaching 76.9 years (the life expectancy of all U.S. residents in 2003) per 100 deaths.

**9. REPORTABLE DISEASES**

Figure number	Indicators	
9-1	Incidence of early syphilis	Number of reported cases of early syphilis per 100,000 population.
9-2	Incidence of gonorrhea	Number of reported cases of gonorrhea per 100,000 population.
9-3	Incidence of chlamydia	Number of reported cases of chlamydia per 100,000 population.
9-4	Incidence of genital herpes	Number of reported cases of genital herpes per 100,000 population.
9-5	Incidence of HIV/AIDS	Number of reported new cases of HIV/AIDS per 100,000 population.

## Terms Related to Mortality

**Age-adjusted mortality rates** - Because mortality from most causes of death occurs predominately among the elderly, a population group with a larger proportion of older persons would have a higher mortality rate. The "age-adjustment" removes the effect of the age differences among sub-populations (or in the same population over time) by placing them all in a population with a standard age distribution. All age-adjusted mortality rates in this report were computed by the direct method, that is by weighting the age-specific rates for a given year by the age distribution of a standard population. The weighted age-specific rates are then added to produce the summary rate for all ages combined. Beginning with the 2000 data year, a new population standard for the age adjustment of mortality rates has replaced the standard based on the 1940 population and used since 1943. The new standard uses the age composition of the 2000 U.S. projected population. The standard is expressed in terms of a "standard million": the relative distribution of the 2000 population of the United States totaling 1 million in 10-year age groups:

Age group	2003 population	2003 deaths	Age-specific rates in 2003	2000 standard	Age-adjusted rate for 2003
A	B	C	D (C/B)*100000	E	F D*E
<1	84959	586	689.7	.013818	9.5
1-4	334668	135	40.3	.055317	2.2
5-14	842137	151	17.9	.145565	2.6
15-24	801422	758	94.6	.138646	13.1
25-34	815839	881	108.0	.135573	14.6
35-44	843932	1775	210.3	.162613	34.2
45-54	688912	3174	460.7	.134834	62.1
55-64	485263	4501	927.5	.087247	80.9
65-74	399131	7396	1853.0	.066037	122.4
75-84	258415	12465	4823.6	.044842	216.3
85+	75192	10954	14568.0	.015508	225.9
All ages	5629870	42830	760.8	TOTAL	<b>784.0</b>

**Age-specific mortality** - Number of deaths in a specific age group during a calendar year.

**Cause of death** - For the purpose of national mortality statistics, every death is attributed to one underlying condition, based on information reported on the death certificate and utilizing the international rules for selecting the underlying cause of death from the reported conditions.

**Cause-specific mortality** - Number of deaths from a specified cause during a calendar year.

**Classification of causes of death** - The cause of death used in this report is the underlying cause classified according to the *International Classification of Diseases (ICD)*. Beginning with the 2000 data year in Arizona (1999 nationally), a new revision of the International Classification of Diseases was implemented. The Tenth Revision (ICD-10) has replaced the Ninth Revision (ICD-9), which was in effect since 1979. The measures of comparison between ICD-9 and ICD-10 – the "comparability ratios" – for the causes of death shown in this report are available on the Arizona Vital Statistics web site at [http://www.azdhs.gov/plan/report/ahs/ahs2000/pdf/452\\_455codn.pdf](http://www.azdhs.gov/plan/report/ahs/ahs2000/pdf/452_455codn.pdf)

# POPULATION DENOMINATORS



**POPULATION BY RACE/ETHNIC GROUP:  
ARIZONA RESIDENTS, 1990, 2000 AND 2003**  
(Numbers rounded to nearest thousand)

<b>Ethnic group</b>	<b>1990</b>	<b>2000</b>	<b>2003</b>	<b>% of total population in 2003</b>
<b>American Indian or Alaska Native</b>	203,527	255,879	292,753	5.2
<b>Asian or Pacific Islander</b>	55,026	98,969	118,227	2.1
<b>Black or African American</b>	110,524	158,873	185,786	3.3
<b>Hispanic or Latino</b>	688,338	1,295,617	1,424,357	25.3
<b>White Non-Hispanic</b>	2,607,633	3,274,258	3,608,747	64.1
<b>TOTAL</b>	<b>3,665,228</b>	<b>5,130,632</b>	<b>5,629,870</b>	<b>100.0</b>

Note: Data for 1990 and 2000 are the census counts. In order to obtain the 2003 population denominators, the 2000 percentages of population breakdowns (or census shares) by race/ethnicity, age group and gender were applied to total state population estimates released by the Department of Economic Security on 12/11/03.

**DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2003**

**ESTIMATED POPULATION BY AGE GROUP, GENDER AND RACE/ETHNICITY,  
ARIZONA, 2003**

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total
<b>American Indian or Alaska Native</b>	5,768	23,015	67,402	53,685	42,414	40,975	27,569	16,044	9,767	4,527	1,587	292,753
<b>Male</b>	2,869	11,627	34,024	27,061	20,967	19,547	12,908	7,287	4,285	1,871	588	143,034
<b>Female</b>	2,899	11,388	33,378	26,624	21,447	21,428	14,661	8,757	5,482	2,656	999	149,719
<b>Asian</b>	1,492	6,568	15,162	18,474	25,172	20,981	14,732	8,196	5,119	1,858	473	118,227
<b>Male</b>	742	3,243	7,751	9,700	12,382	9,566	5,985	3,414	2,029	761	205	55,778
<b>Female</b>	750	3,325	7,411	8,774	12,790	11,415	8,747	4,782	3,090	1,097	268	62,449
<b>Black or African American</b>	3,135	12,681	34,405	30,598	30,654	31,511	20,316	11,122	6,890	3,320	1,154	185,786
<b>Male</b>	1,644	6,475	17,578	16,552	16,944	17,266	10,912	5,546	3,242	1,337	368	97,864
<b>Female</b>	1,491	6,206	16,827	14,046	13,710	14,245	9,404	5,576	3,648	1,983	786	87,922
<b>Hispanic or Latino</b>	35,437	133,070	296,008	274,744	254,600	191,725	115,998	61,762	38,553	17,764	4,696	1,424,357
<b>Male</b>	18,154	68,024	151,417	147,971	136,584	99,789	58,394	29,453	17,492	7,438	1,604	736,320
<b>Female</b>	17,283	65,046	144,591	126,773	118,016	91,936	57,604	32,309	21,061	10,326	3,092	688,037
<b>White Non-Hispanic</b>	39,127	159,334	429,160	423,921	462,999	558,740	510,297	388,139	338,802	230,946	67,282	3,608,747
<b>Male</b>	20,037	81,866	220,726	217,482	238,421	280,573	249,496	185,105	161,292	100,028	22,491	1,777,517
<b>Female</b>	19,090	77,468	208,434	206,439	224,578	278,167	260,801	203,034	177,510	130,918	44,791	1,831,230
<b>Total</b>	84,959	334,668	842,137	801,422	815,839	843,932	688,912	485,263	399,131	258,415	75,192	5,629,870
<b>Male</b>	43,446	171,235	431,496	418,766	425,298	426,741	337,695	230,805	188,340	111,435	25,256	2,810,513
<b>Female</b>	41,513	163,433	410,641	382,656	390,541	417,191	351,217	254,458	210,791	146,980	49,936	2,819,357

**NOTE:** In order to obtain the 2003 population denominators, the 2000 percentages of population breakdowns (or census shares) by race/ethnicity, age group and gender were applied to total state population estimates released by the Department of Economic Security on 12/11/03.

Our Web site at <http://www.azdhs.gov/plan> provides instantaneous access to a wide range of statistical information about health status of Arizonans. The [Arizona Health Status and Vital Statistics](#) annual report examines trends in natality, mortality and morbidity towards established health objectives. Additional reports and studies include *Differences in Health Status by Ethnic Group*, *Advance Vital Statistics by County of Residence*, *Mortality from Alzheimer's Disease*, *Injury Mortality among Arizona Residents* (accidents, suicides, homicides, legal intervention, firearm-related fatalities, drug-related deaths, drowning deaths), *Community Vital Statistics*, *Teenage Pregnancy*, *Selected Characteristics of Newborns and Mothers Giving Birth by Census Tract* in Maricopa County, Pima County and South Phoenix Area, *Health Status Profile of American Indians in Arizona* and *Deaths from Exposure to Excessive Natural Heat Occurring in Arizona*.



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**Health Status and Vital Statistics Section  
Bureau of Public Health Statistics  
Public Health Services  
ARIZONA DEPARTMENT OF HEALTH SERVICES**

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