

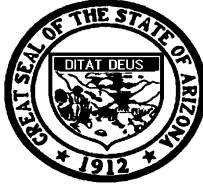


**DIFFERENCES  
IN THE HEALTH STATUS  
AMONG RACIAL/ETHNIC  
GROUPS  
ARIZONA, 2011**



**Public Health Services  
Bureau of Public Health Statistics  
Population Health and Vital Statistics Section**

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# **Differences in Health Status among Racial/Ethnic Groups, Arizona, 2011**

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BY

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**February 2014**

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## **PURPOSE**

The report *Differences in Health Status among Racial/Ethnic Groups, Arizona, 2011* is the update of population-level data about differences in the relative health of five racial/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 racial/ethnic groups on 70 indicators or measures of health status. The indicators are presented in a series of simple, self-explanatory bar charts and are 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 AND 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 racial/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 2011* while the tabulated values also are available in the *Rates and Ratios in 2011* and *Comparative Rates and Ratios for 2001-2011* sections of the report.

The report also provides comparative risk profiles, as well as scores and rankings of racial/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 racial/ethnic groups in our State and to stimulate viable initiatives to improve the health of **all** Arizonans.

## **DEMOGRAPHIC PROFILE OF ARIZONA'S RACIAL/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 6,438,178 Arizona residents in 2011, approximately 3,779,432 (58.7 percent) were White non-Hispanic, 1,827,753 (28.4 percent) were Hispanic or Latino, and 360,414 (5.6 percent) were American Indian or Alaska Natives. Blacks or African Americans accounted for 270,944 or (4.2 percent) of the State's population. Asians or Pacific Islanders, the smallest racial/ethnic group, represented 3.1 percent of the total population (199,635 people).

It is important to note that the population denominators for 2011 are not exact enumerations of the State's residents in different racial/ethnic, gender, or age group categories. These denominators are extrapolations, which use past experience, and are not adjusted for the impact of economic and legal factors, which were previously absent. The most severe economic recession in 80 years obviously is one of these factors. The high rate of foreclosures, many built but vacant houses, high unemployment, the collapse of the home construction business, etc. have impacted not only vital events (such as the number of resident births) but also in-and-out migration. Implementation of the employer-sanction law on January 1<sup>st</sup>, 2008 (a penalty on employers hiring illegal immigrants), and a widespread practice of e-verify (checking the legal-residence status of those seeking employment) affected Hispanics or Latinos, the second largest group of Arizona's residents. These recent events have shaped the racial/ethnic distribution of Arizona's population, meaning projections used to estimate the State's population that were not able to take these factors into account contain some bias, generally reflecting larger populations, especially of Hispanics or Latinos, than those actually residing in Arizona.

Compared with the White non-Hispanics, racial/ethnic minority groups have had greater percentages of people younger than 25 years (27.1 vs. 47.1 percent). In contrast, people aged 65 years and older accounted for 19.5 percent of White non-Hispanics, but only 5.6 percent of all racial/ethnic minority groups combined. Among Arizonans less than 25 years old in 2011, more than one out of two (55.0 percent) was a race/ethnicity other than White non-Hispanic. Among Arizona's adults 65 years old or older, eight out of ten (83.2 percent) were White non-Hispanic (**Table A**).

**Table A. POPULATION BY AGE GROUP AND RACE/ETHNICITY, ARIZONA, 2011**

POPULATION BY AGE GROUP IN 2011	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	2,278,658	1,025,087	1,253,572	895,583	117,674	171,722	68,593
Percent	35.4%	27.1%	47.1%	49.0%	43.4%	47.6%	34.4%
25-64 years	3,271,567	2,015,913	1,255,655	837,815	135,531	166,386	115,923
Percent	50.8%	53.3%	47.2%	45.8%	50.0%	46.2%	58.1%
65+ years	887,953	738,433	149,520	94,356	17,739	22,306	15,119
Percent	13.8%	19.5%	5.6%	5.2%	6.5%	6.2%	7.6%
<b>Total, all ages**</b>	<b>6,438,178</b>	<b>3,779,432</b>	<b>2,658,746</b>	<b>1,827,753</b>	<b>270,944</b>	<b>360,414</b>	<b>199,635</b>
Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Similar to differences in the age composition of Arizona's population by race/ethnicity is the contrasting pattern of proportional mortality by age group. In 2011, the elderly (65 years and older) comprised 77.0 percent of the total mortality among White non-Hispanics, compared to 43.5 percent among American Indians, 52.5 percent among Blacks, 56.0 percent among Hispanics, and 61.4 percent among Asians. In 2011, only 1.5 percent of White non-Hispanics who died were less than 25 years old. In comparison, 8.6 percent of individuals who were of a racial/ethnic group other than White non-Hispanic died before reaching 25 years of age.

**Table B. MORTALITY BY AGE GROUP AND RACE/ETHNICITY, ARIZONA, 2011**

MORTALITY BY AGE GROUP IN 2011	All groups	White non-Hispanic	Other than White non-Hispanic <sup>a</sup>				
			Total	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
< 25 years	1,399	567	800	520	91	167	22
Percent	2.9%	1.5%	8.6%	9.1%	6.7%	9.8%	4.3%
25-64 years	11,814	8,124	3,523	1,994	559	795	175
Percent	24.8%	21.5%	37.9%	34.9%	40.9%	46.7%	34.2%
65+ years	34,318	29,085	4,970	3,199	717	740	314
Percent	72.2%	77.0%	53.5%	56.0%	52.5%	43.5%	61.4%
<b>Total, all ages<sup>b</sup></b>	<b>47,547</b>	<b>37,779</b>	<b>9,295</b>	<b>5,714</b>	<b>1,367</b>	<b>1,703</b>	<b>511</b>
Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

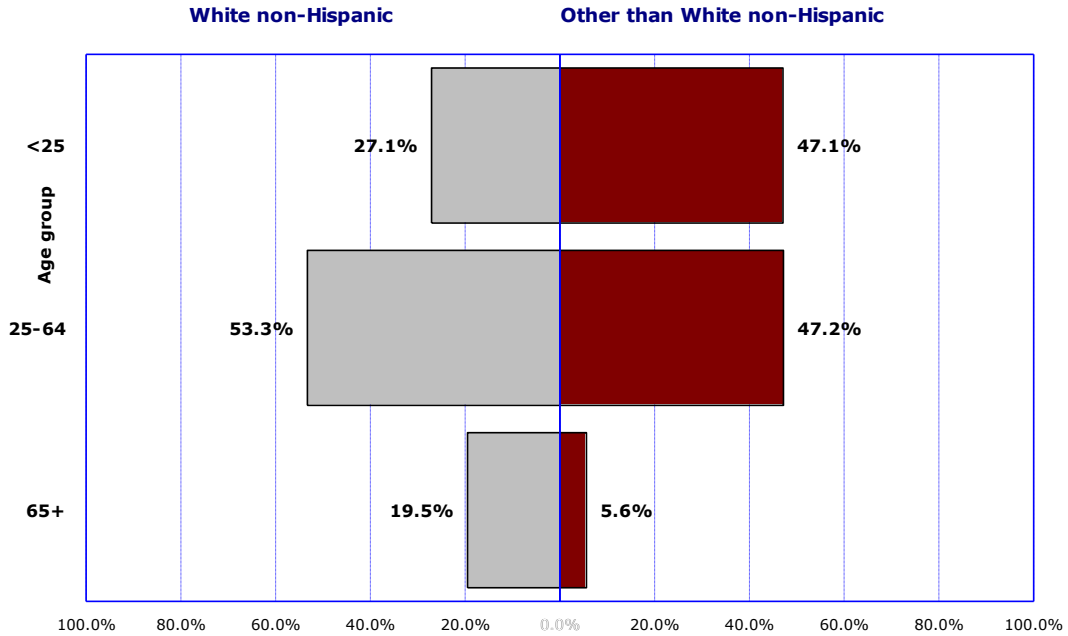
Note: <sup>a</sup> Includes groups other than Hispanic, Black, American Indian, and Asian; <sup>b</sup> Includes unknown age; Source: The 2011 death certificate file for Arizona residents.

In 2011, the absolute majority of deaths of American Indian (56.5 percent) and Black (47.6 percent) residents of Arizona occurred before the age of 65 years, compared to 23.0 percent among White non-Hispanics.

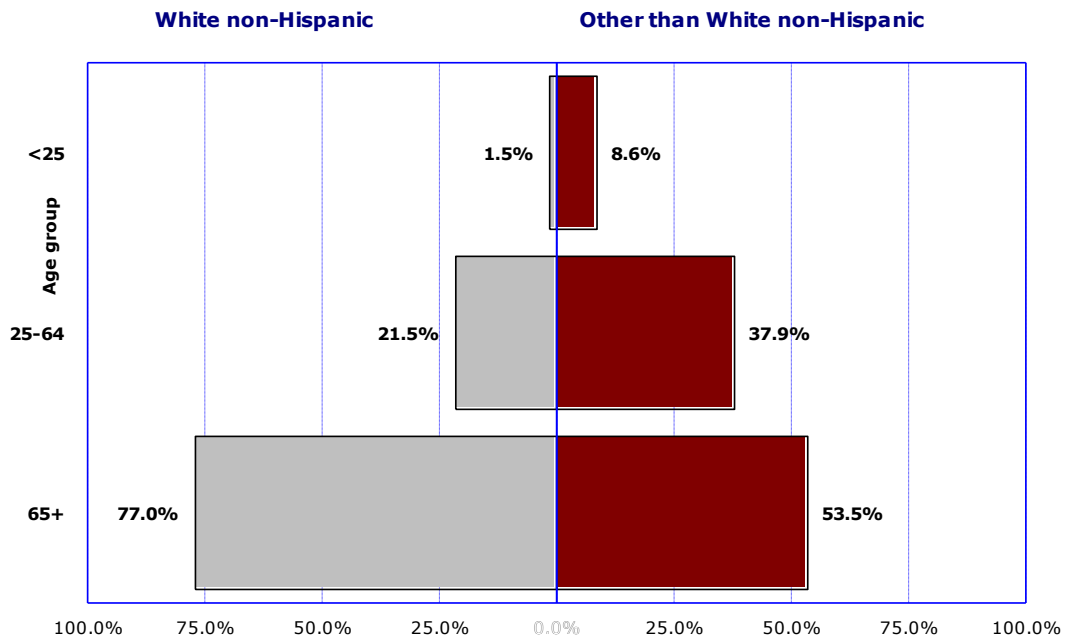


Graphic representations of the contrasting patterns in age-specific mortality and in the age composition of the population are provided below:

**Percent distribution of population by age group and race/ethnicity, Arizona, 2011**



**Percent distribution of deaths by age group and race/ethnicity, Arizona, 2011**



## 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 racial/ethnic group on a broad range of health status issues.

Scores indicate the percentage a racial/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 racial/ethnic group. The aggregate measures of health status (such as teen pregnancy rate, infant mortality rate, mortality rate for drug-induced deaths, the incidence of low-birthweight, etc.) apply to groups and not individuals. In addition, this is a study of the relative, not absolute, healthiness of racial/ethnic groups. The highest ranking group is not problem-free, it is comparatively better.

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 2001-2011** 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 editions of this report prior to 2001. 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.

Beginning with the 2005 edition of the report, the median age at death replaced the arithmetic mean age at death as one of the measures of premature mortality (indicators 8-1, 8-2, and 8-3). The median age is higher than the arithmetic mean age in negatively skewed distributions.\*\*

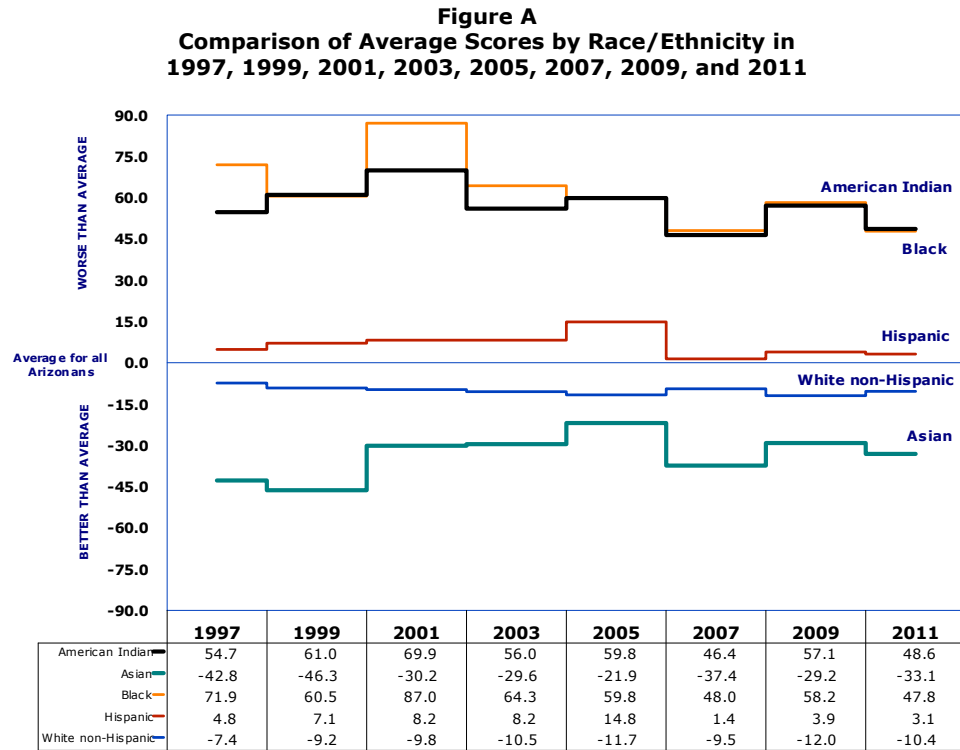
Prior editions of this report were published biennially from 1995 to 2009. This report uses the same methodology as the 1997 through 2009 editions, so that average scores and average ranks (but not mortality rates published before 2000) are directly comparable.

\*For consistency, the signs + and - for scores indicating the median age at death as higher or lower than the statewide average were reversed (indicators 8-1, 8-2, 8-3). Otherwise, a higher-than-average median age at death would indicate worse than average standing on this indicator.

\*\* A comparison of the median with the mean age at death in Arizona by race/ethnicity, gender, and year for 1999-2011 is available in Table 2D-1 of "Arizona Health Status and Vital Statistics 2011" report at <http://www.azdhs.gov/plan/report/ahs/ahs2011/pdf/2d1.pdf>

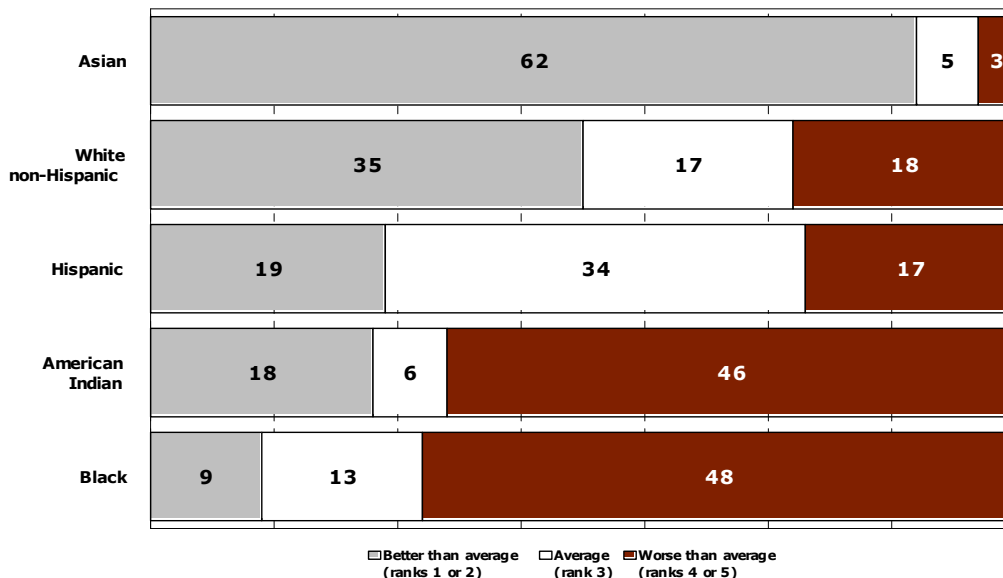
## KEY FINDINGS

The overall inequity between the groups, as measured by the range of score values from the lowest (the most favorable standing among the groups, for 2011 Asian or Pacific Islander at -33.1) to the highest (the least favorable standing, for 2011 American Indians at 48.6), decreased from 87.4 in 2009 to 81.7 points in 2011 (**Figure A**). From 2009 to 2011, all racial/ethnic groups excluding White non-Hispanics experienced favorable change, meaning that the average score for Blacks, American Indians, Hispanics, and Asians decreased (**Figure A**). The shift in average score for White non-Hispanics was trivial.



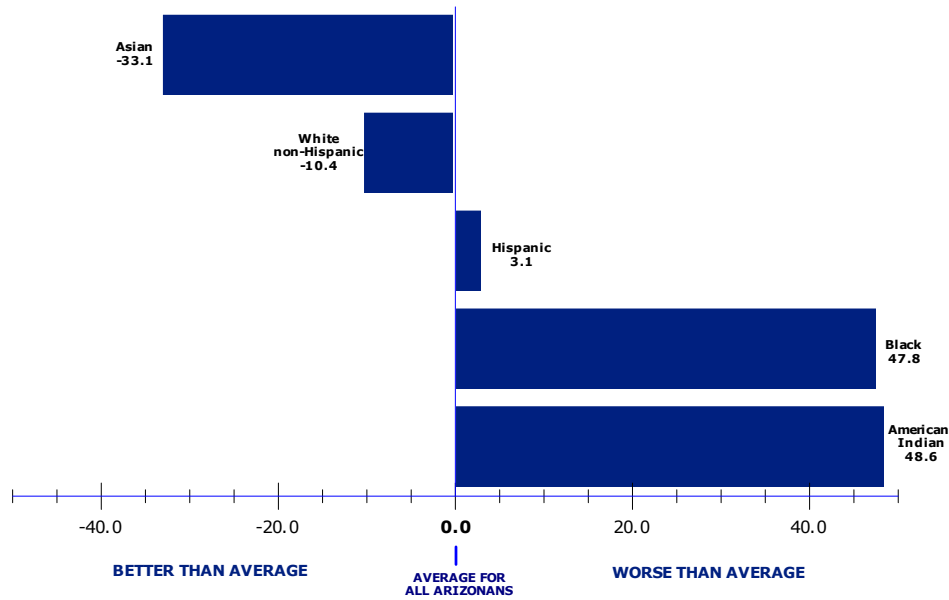
In 2011, as in prior years, Arizona's Asian residents ranked highest among racial/ethnic groups in overall health status, followed by White non-Hispanics, Hispanics, American Indians, and Blacks (**Figure B**).

**Figure B**  
**Number of Times Each Group Ranked Better Than Average, Average, and Worse than Average on 70 Indicators, Arizona 2011**



**Figure C**  
**Average Scores in 2011**

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



**ASIANS or PACIFIC ISLANDERS**

**Average rank: 1.6\***

**Total score: -2,319.5**

**Average score: -33.1\*\***

In 2011, Asian residents of Arizona ranked best or second best among all racial/ethnic groups on 60 of 70 indicators, including low incidence of drug or alcohol induced deaths, low postneonatal mortality, and low mortality from reportable diseases, chronic diseases, and injuries. The total mortality rate of 436.7 deaths per 100,000 Asian or Pacific Islander residents of the State was the lowest rate among all racial/ethnic groups. Asians’ median age at death was the second highest among the racial/ethnic groups in Arizona in 2011. The 2011 average score of -33.1 for Asian residents was slightly better than their average score of -29.2 in 2009 and indicates Asians’ health status remained stable in relation to the health of other racial/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).  
 \*\*The average score based on all 70 measurements (the sum of all scores divided by 70 measurements). See section SCORES IN 2011.

### **WHITE NON-HISPANICS**

**Average rank: 2.6**

**Total score: -727.5**

**Average score: -10.4**

White non-Hispanics ranked second best in relative healthiness among racial/ethnic groups in Arizona. They ranked 1<sup>st</sup> or 2<sup>nd</sup> on 35 of 70 measures of health, including low teen pregnancy rates, high utilization of prenatal care, and low premature mortality. However, White non-Hispanics ranked worse than all other racial/ethnic groups in mortality due to chronic lower respiratory diseases, malignant neoplasms, injury by firearms, drug-induced deaths, and suicide. The White non-Hispanic overall score of -10.4 in 2011 was similar to their overall score of -12.0 in 2009. The total mortality rate of 741.5 deaths per 100,000 in 2011 was somewhat higher than the total mortality rate for Whites in recent years (2006 – 2010).

### **HISPANICS or LATINOS**

**Average rank: 3.1**

**Total score: 217.1**

**Average score: 3.1**

In 2011 Hispanics achieved a 3rd place health ranking. The average score of Hispanics decreased from a recent peak of 14.8 in 2005 to 3.1 in 2011. Hispanics ranked best or second best on 19 indicators in 2011, a decrease from 25 indicators in 2009. They ranked worse than average with diabetes, high teen pregnancy rates, low utilization of prenatal care, and cervical cancer. They ranked better than average with low alcohol and tobacco use among women giving birth, low incidence of death due to chronic lower respiratory diseases, and a low suicide mortality rate. *Comparative Rates and Ratios for 2001-2011* provides a detailed picture of changes over time for all of the 70 measures.

### **AMERICAN INDIANS or ALASKA NATIVES**

**Average rank: 3.7**

**Total score: 3,404.3**

**Average score: 48.6**

In 2011, American Indians in Arizona had the highest average score among all groups and second poorest rank of overall health status. They ranked 4<sup>th</sup> or 5<sup>th</sup> on 46 of the 70 health indicators (**Figure B**) and they exceeded the statewide averages by a wider margin than any other group except Blacks (**Figure C**). American Indians had relatively poor values on a number of health indicators including incidence of alcohol use during pregnancy, infant mortality, chronic liver disease and cirrhosis, diabetes, motor vehicle accidents, and mortality from unintentional injuries, contributing to a high premature death rate. American Indians also ranked poorly on measures of maternal lifestyle and health as well as in utilization of prenatal care. In 2011, compared to White non-Hispanics, American Indian residents of Arizona were on-average 19 years younger at time of death.

### **BLACKS or AFRICAN AMERICANS**

**Average rank: 4.0**

**Total score: 3,345.3**

**Average score: 47.8**

Compared to the average score of 87.0 for Arizona Black or African American residents in 2001, their scores from 2003 - 2011 were substantially lower. Despite this improvement, Blacks or African Americans had the lowest rank of overall health status because they ranked 4<sup>th</sup> or 5<sup>th</sup> among the five racial/ethnic groups on 48 of 70 measures (see **Figure B**). High mortality among children and middle-aged adults, high ratios of low birthweight and preterm births, high incidence of many reportable diseases, high mortality rates for almost all of the leading causes of death, and a 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 from influenza and pneumonia, fall-related injuries, and low rates of dysfunctional labor and diabetes during pregnancy.

## COMPARATIVE CAUSE-SPECIFIC MORTALITY

In 2011, diseases of the heart were the leading cause of death for three of the five racial/ethnic groups in Arizona: American Indians, Blacks or African Americans, and Hispanics or Latinos (**Figure D**). Cancer was the number one cause among Asians or Pacific Islanders and White non-Hispanics. Unintentional injury was the third leading cause of death only for American Indians. For Asians, stroke was the 3<sup>rd</sup> leading cause of death in 2011. Diabetes was among the top five causes of death among Blacks, Hispanics, Asians, and American Indians. Alzheimer’s disease was the fifth leading cause of death among Asians, Blacks, and White non-Hispanics. Chronic liver disease and cirrhosis was the fifth leading cause of death specific to American Indians. Chronic lower respiratory diseases were the third leading cause of death specific to White non-Hispanics.

**Figure D**  
**Comparative Age-Adjusted Mortality Rates for the Five Leading Causes of Death by Race/Ethnicity in Arizona in 2011**

Rank	Asian or Pacific Islander	American Indian or Alaska Native	Black or African American	Hispanic or Latino	White non-Hispanic
1	Cancer 116.6	Diseases of heart 111.1	Diseases of heart 174.0	Diseases of heart 137.4	Cancer 170.3
2	Diseases of heart 77.0	Cancer 100.8	Cancer 167.1	Cancer 136.3	Diseases of heart 164.3
3	Stroke 29.1	Unintentional injury 100.6	Diabetes 57.8	Diabetes 41.7	Chronic lower respiratory diseases 55.3
4	Diabetes 23.3	Diabetes 61.3	Stroke 56.5	Unintentional injury 38.9	Unintentional injury 46.9
5	Alzheimer's disease 21.0	Chronic liver disease and cirrhosis 43.6	Alzheimer's disease 54.7	Stroke 34.9	Alzheimer's disease 36.3

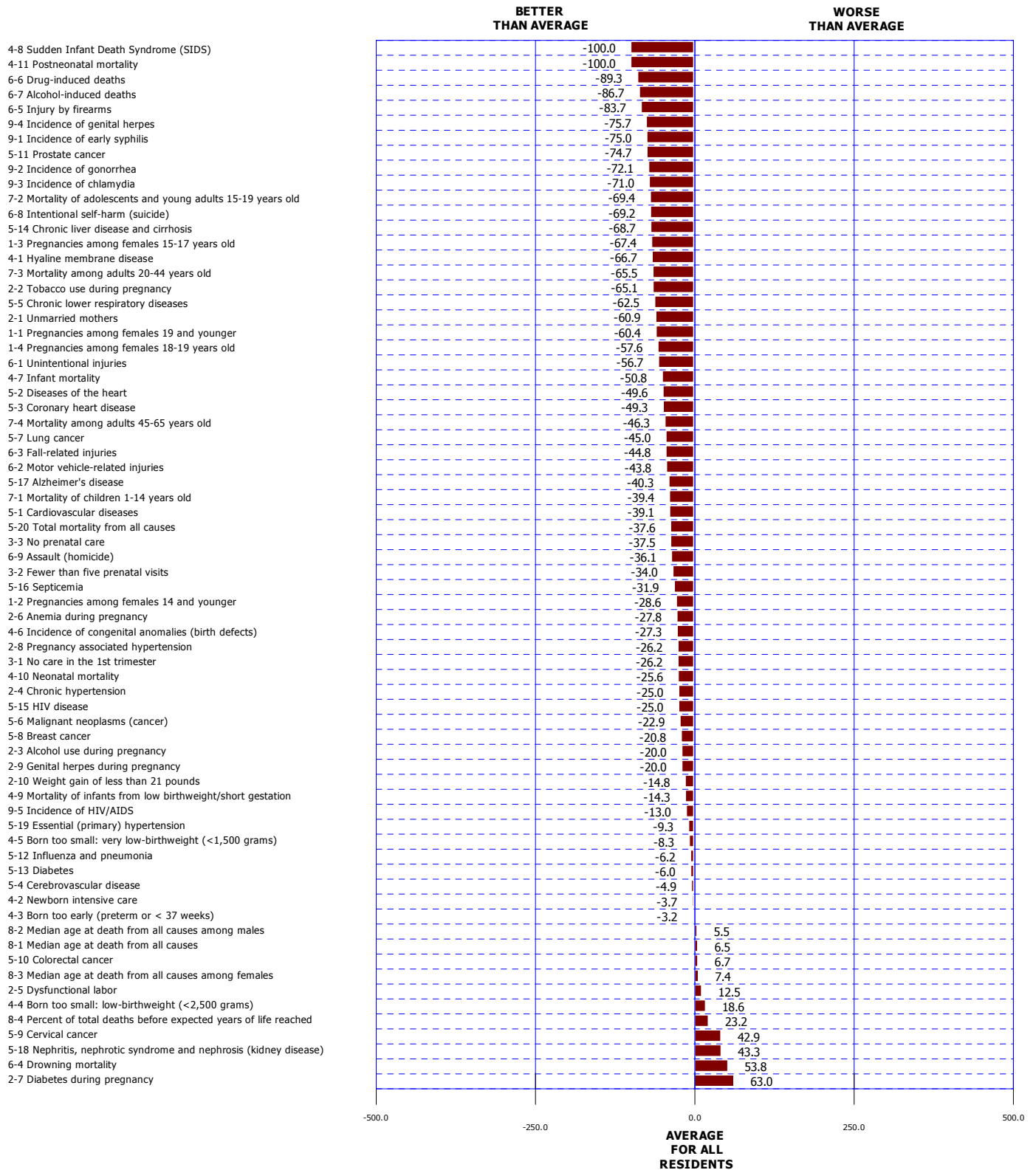
## COMPARATIVE RATES AND RATIOS FOR 2001 and 2011

The 140 bar charts provide both a snapshot of differences between the racial/ethnic groups in Arizona in 2011, as well as a measure of change since 2001. More detailed comparisons over time are available in a special section of the report (**Comparative Rates and Ratios for 2001 – 2011**) that documents specific changes by year from 2001 through 2011 on the 70 health status measures by racial/ethnic group.

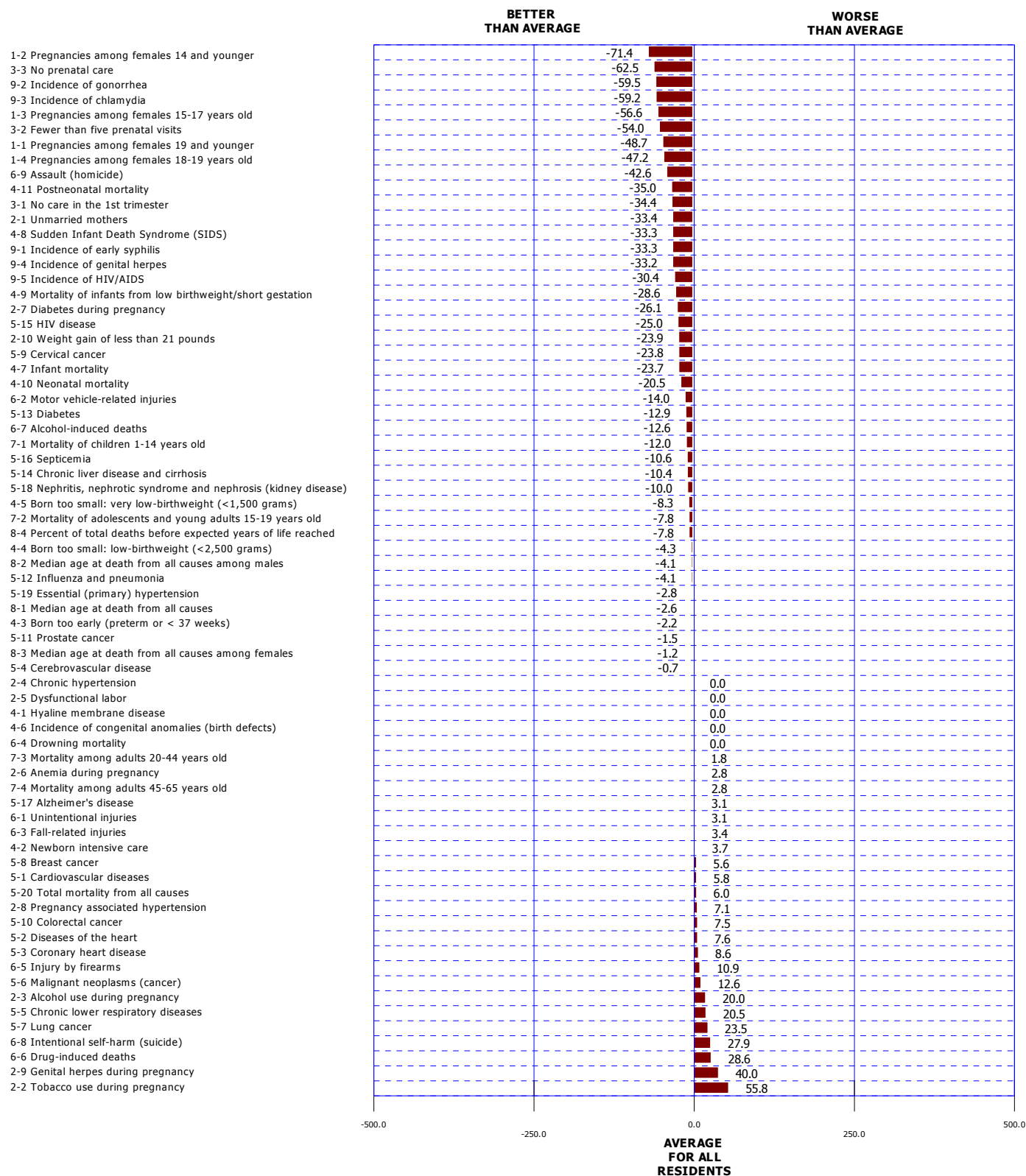
## RISK PROFILES

Risk profiles presented on the following pages summarize how each racial/ethnic group compares to the State average for the entire set of measures of health status. These profiles use scores developed to describe the level of each of the 70 measures for each racial/ethnic group relative 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 racial/ethnic group.

## Risk Profile of Asians or Pacific Islanders (percent above or below the State mean)

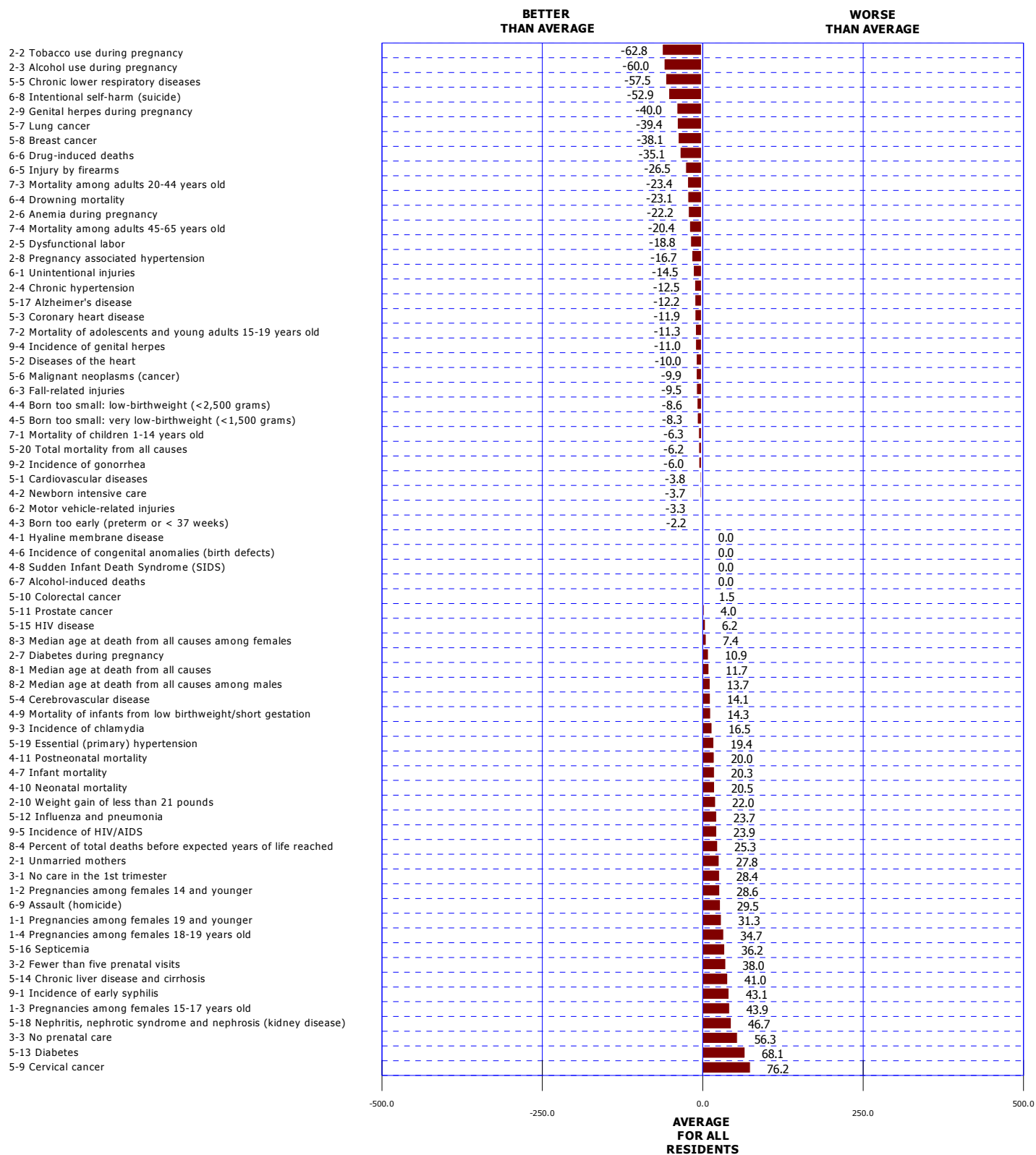


## Risk Profile of White non-Hispanics (percent above or below the State mean)

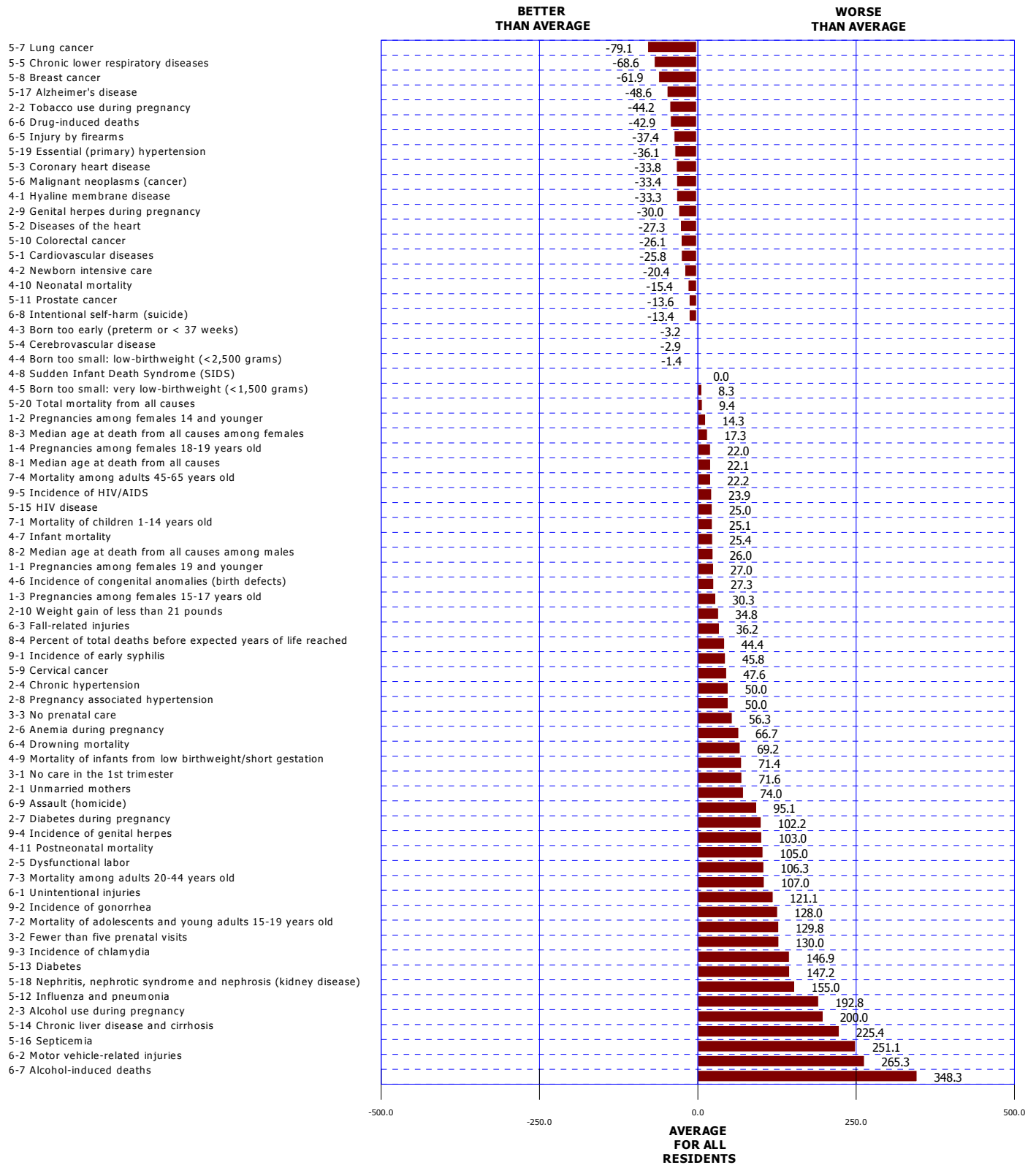




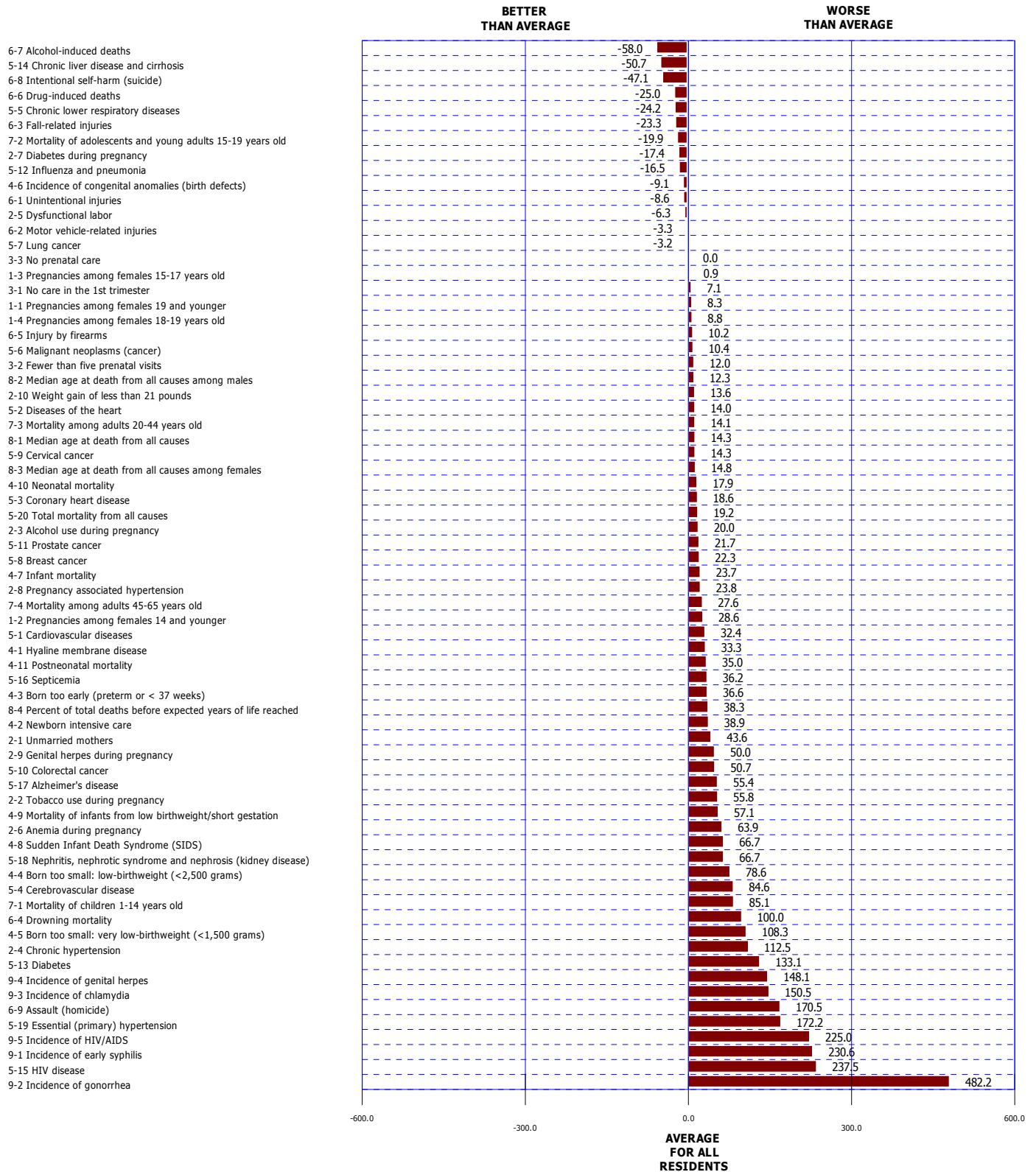
## Risk Profile of Hispanics or Latinos (percent above or below the State mean)



## Risk Profile of American Indians or Alaska Natives (percent above or below the State mean)



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





# **COMPARATIVE MEASURES OF HEALTH STATUS BY RACE/ETHNICITY IN 2011**



# **1**

## **Teen Pregnancies**

**1-1 Pregnancies Among Females 19 or Younger**

**1-2 Pregnancies Among Females 14 or Younger**

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

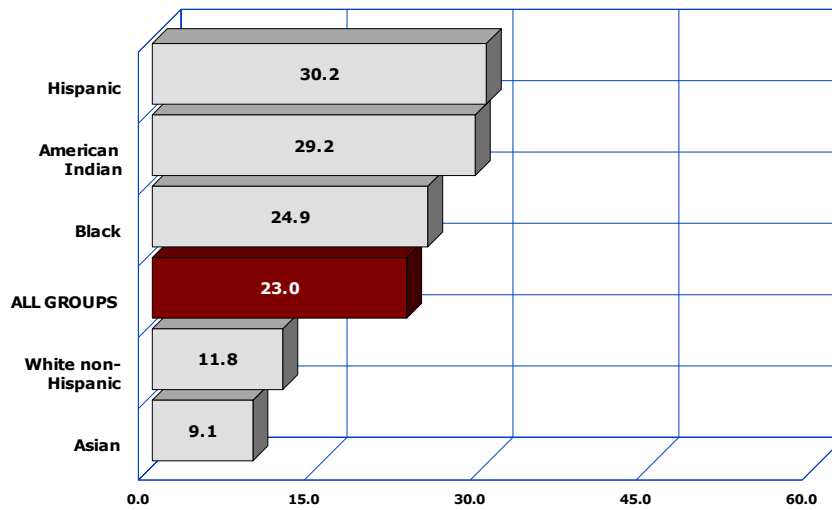
**1-4 Pregnancies Among Females 18-19 Years Old**





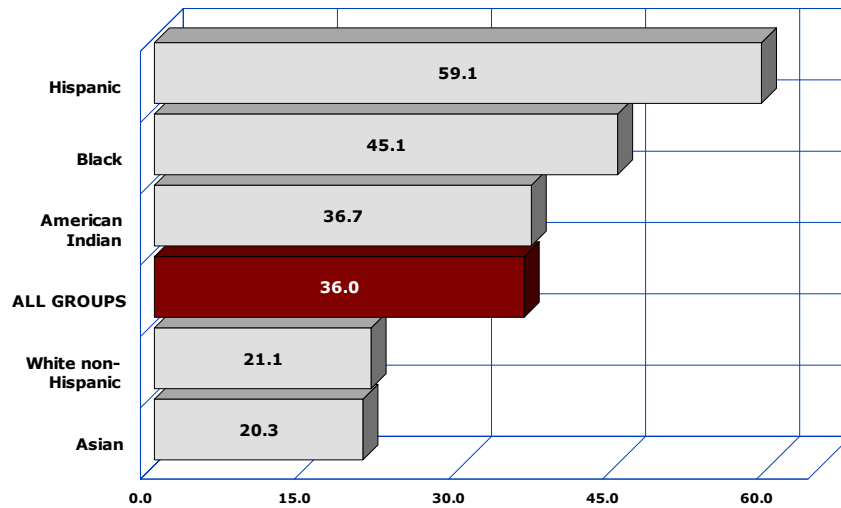
## 1-1 PREGNANCIES AMONG FEMALES 19 OR YOUNGER

**2011**



Note: Number of pregnancies per 1,000 females 10-19 years old in specified group.

**2001**



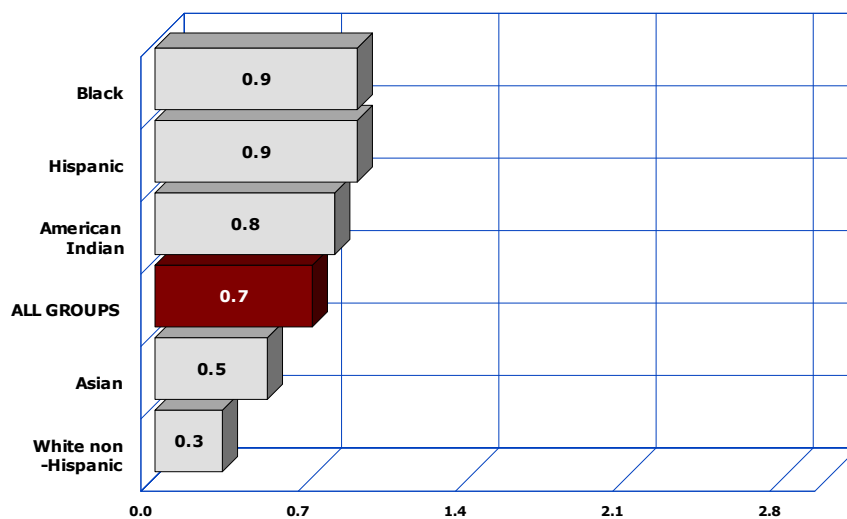
Note: Number of pregnancies per 1,000 females 10-19 years old in specified group.

### COMPARATIVE RATES FOR 2001 AND 2011

Rate per 1,000 females by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>2001</b>	<b>36.0</b>	<b>21.1</b>	<b>59.1</b>	<b>45.1</b>	<b>36.7</b>	<b>20.3</b>
<b>2011</b>	<b>23.0</b>	<b>11.8</b>	<b>30.2</b>	<b>24.9</b>	<b>29.2</b>	<b>9.1</b>
<b>% change from 2001</b>	<b>-36.1</b>	<b>-44.1</b>	<b>-48.9</b>	<b>-44.8</b>	<b>-20.4</b>	<b>-55.2</b>

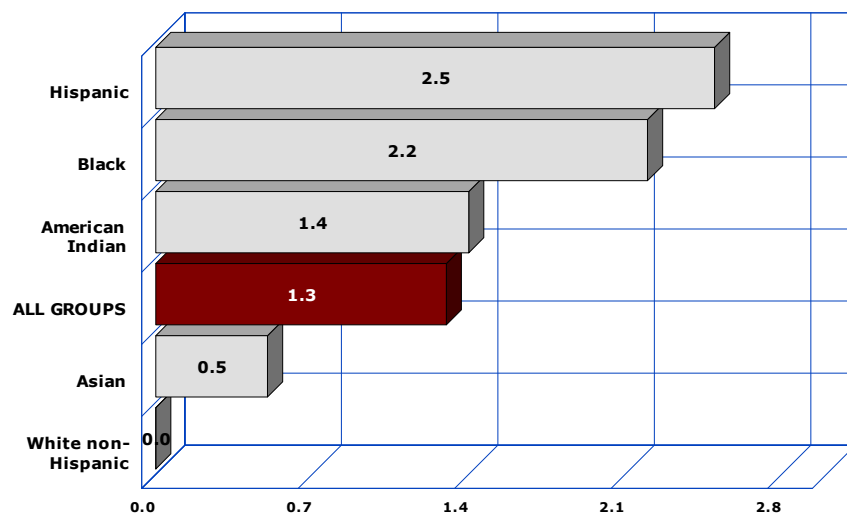
## 1-2 PREGNANCIES AMONG FEMALES 14 OR YOUNGER

**2011**



Note: Number of pregnancies per 1,000 females 10-14 years old in specified group.

**2001**

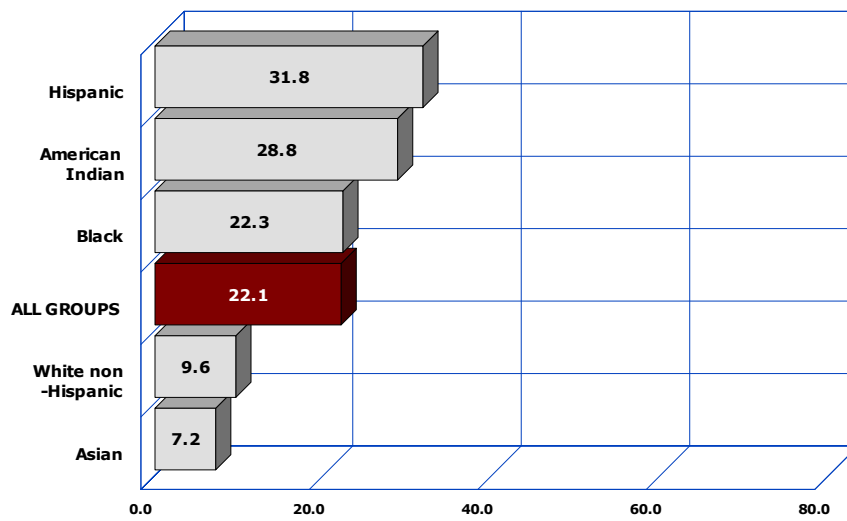


Note: Number of pregnancies per 1,000 females 10-14 years old in specified group.

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Rate per 1,000 females by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>2001</b>	<b>1.3</b>	<b>0.5</b>	<b>2.5</b>	<b>2.2</b>	<b>1.4</b>	<b>0.0</b>
<b>2011</b>	<b>0.7</b>	<b>0.2</b>	<b>0.9</b>	<b>0.9</b>	<b>0.8</b>	<b>0.5</b>
<b>% change from 2001</b>	<b>-46.2</b>	<b>-60.0</b>	<b>-64.0</b>	<b>-59.1</b>	<b>-42.9</b>	<b>NA</b>

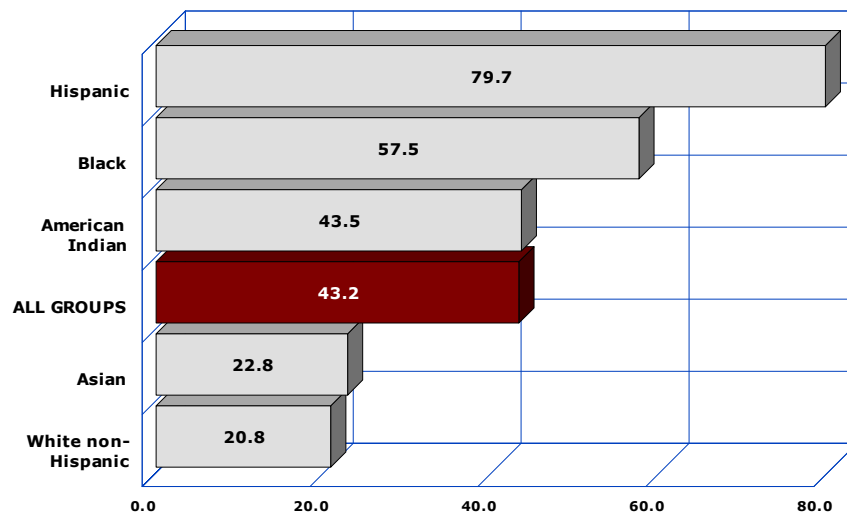
### 1-3 PREGNANCIES AMONG FEMALES 15-17 YEARS OLD

2011



Note: Number of pregnancies per 1,000 females 15-17 years old in specified group.

2001



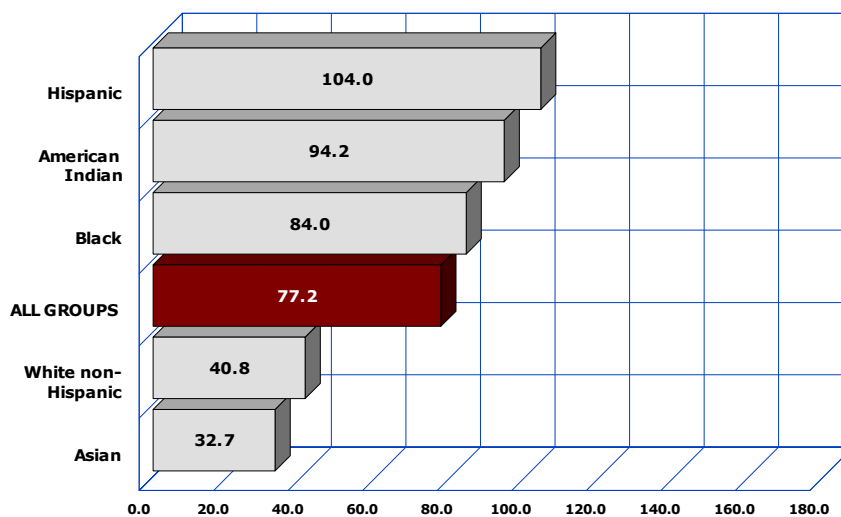
Note: Number of pregnancies per 1,000 females 15-17 years old in specified group.

#### COMPARATIVE RATES FOR 2001 AND 2011

Rate per 1,000 females by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	43.2	20.8	79.7	57.5	43.5	22.8
2011	22.1	9.6	31.8	22.3	28.8	7.2
% change from 2001	-48.8	-53.8	-60.1	-61.2	-33.8	-68.4

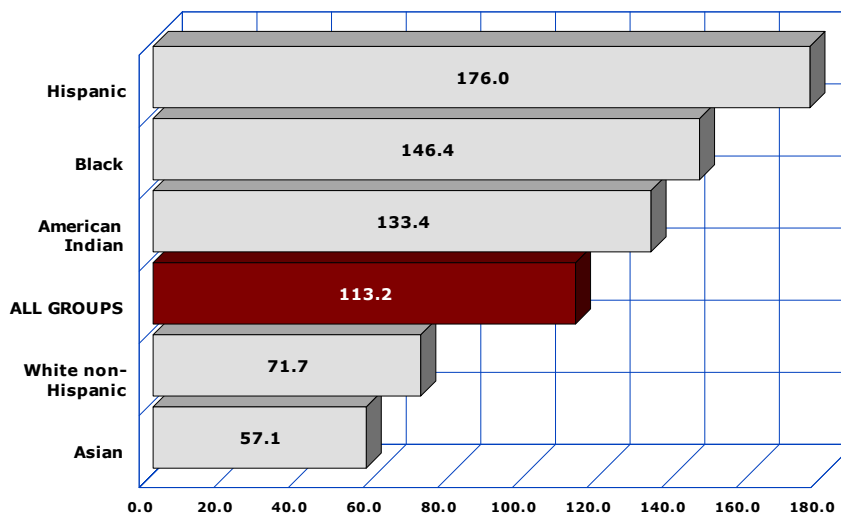
## 1-4 PREGNANCIES AMONG FEMALES 18-19 YEARS OLD

2011



Note: Number of pregnancies per 1,000 females 18-19 years old in specified group.

2001



Note: Number of pregnancies per 1,000 females 18-19 years old in specified group.

### COMPARATIVE RATES FOR 2001 AND 2011

Rate per 1,000 females by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	113.2	71.7	176.0	146.4	133.4	57.1
2011	77.2	40.8	104.0	84.0	94.2	32.7
% change from 2001	-31.8	-43.1	-40.9	-42.6	-29.4	-42.7

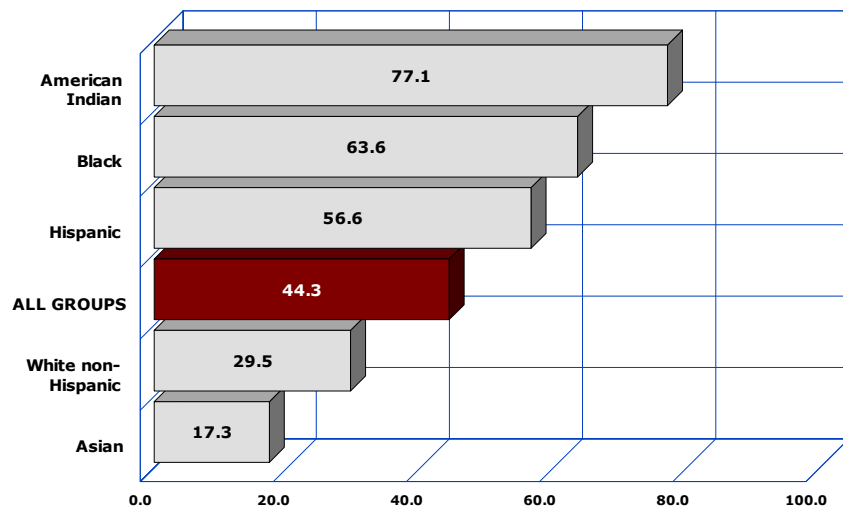
## **Maternal Lifestyle and Health Characteristics**

- 2-1 Unmarried Mothers**
- 2-2 Tobacco Use During Pregnancy**
- 2-3 Alcohol Use During Pregnancy**
- 2-4 The Incidence of Chronic Hypertension**
- 2-5 Dysfunctional Labor**
- 2-6 The Incidence of Anemia During Pregnancy**
- 2-7 The Incidence of Diabetes**
- 2-8 The Incidence of Pregnancy-Associated Hypertension**
- 2-9 The Incidence of Genital Herpes**
- 2-10 Maternal Weight Gain of Less Than 21 Pounds**



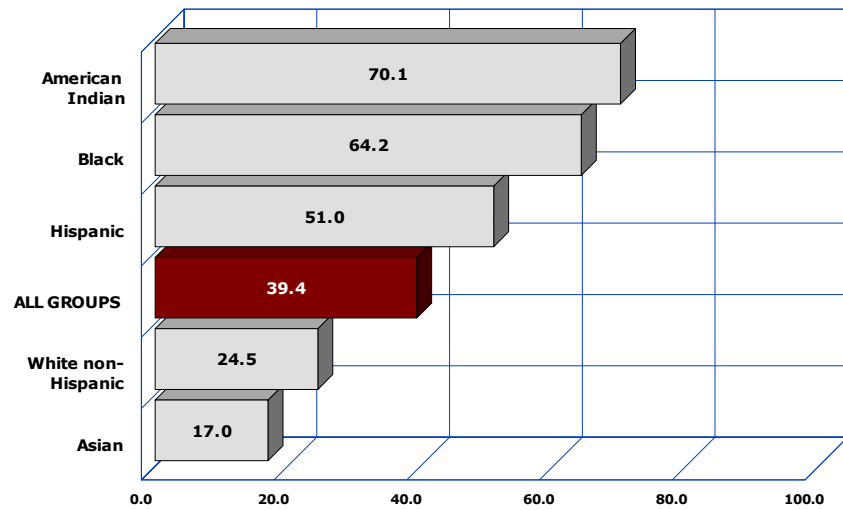
## 2-1 UNMARRIED MOTHERS

2011



Note: Per 100 live births.

2001



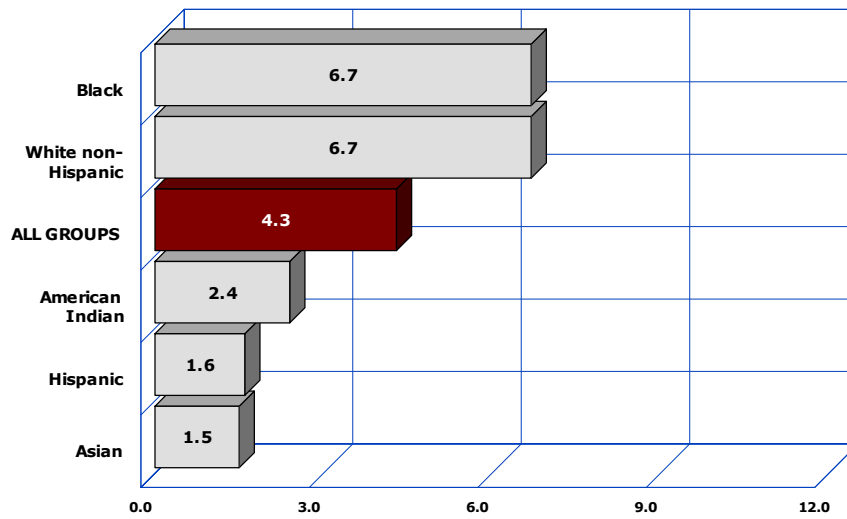
Note: Per 100 live births.

### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	39.4	24.5	51.0	64.2	70.1	17.0
2011	44.3	29.5	56.6	63.6	77.1	17.3
% change from 2001	12.4	20.4	11.0	-0.9	10.0	1.8

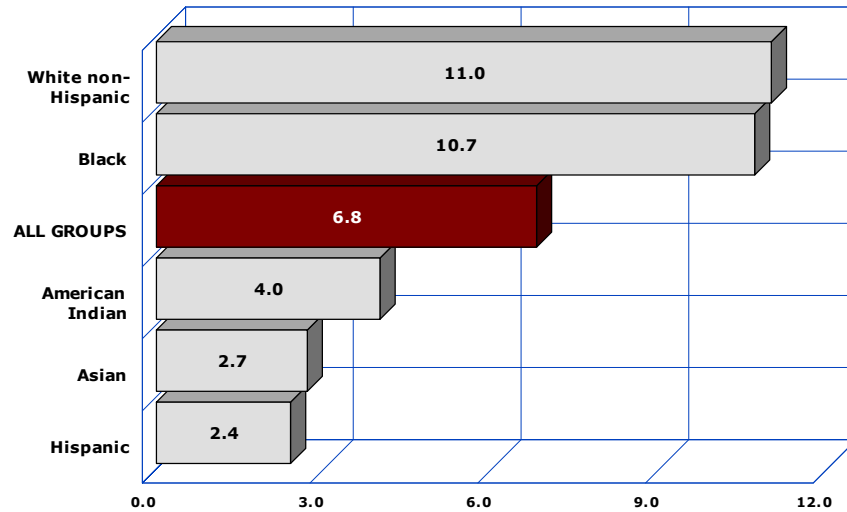
## 2-2 TOBACCO USE DURING PREGNANCY

**2011**



Note: Per 100 live births.

**2001**



Note: Per 100 live births.

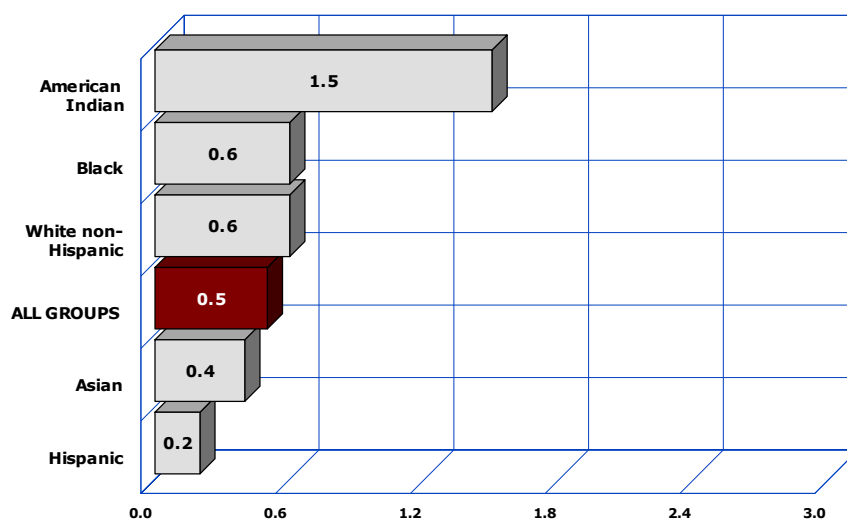
### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	6.8	11.0	2.4	10.7	4.0	2.7
2011	4.3	6.7	1.6	6.7	2.4	1.5
% change from 2001	-36.8	-39.1	-33.3	-37.4	-40.0	-44.4



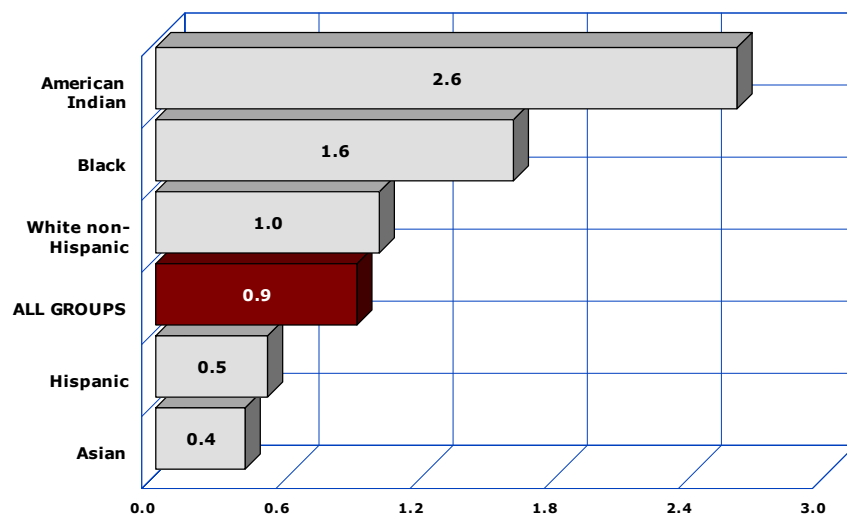
## 2-3 ALCOHOL USE DURING PREGNANCY

**2011**



Note: Per 100 live births.

**2001**



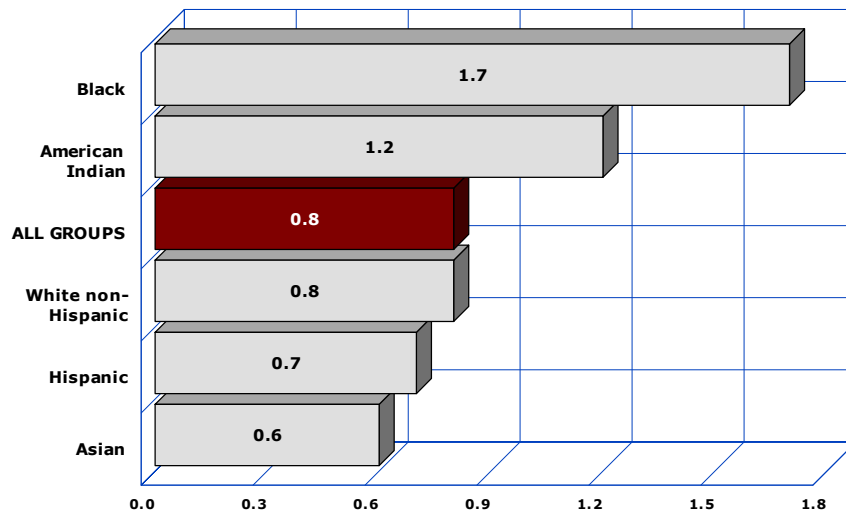
Note: Per 100 live births.

### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	0.9	1.0	0.5	1.6	2.6	0.4
2011	0.5	0.6	0.2	0.6	1.5	0.4
% change from 2001	-44.4	-40.0	-60.0	-62.5	-42.3	0.0

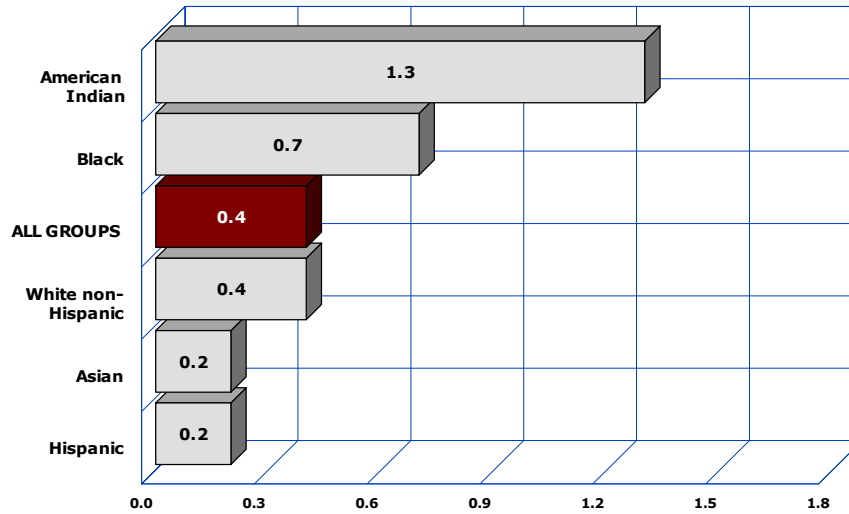
## 2-4 CHRONIC HYPERTENSION

2011



Note: Per 100 live births.

2001



Note: Per 100 live births.

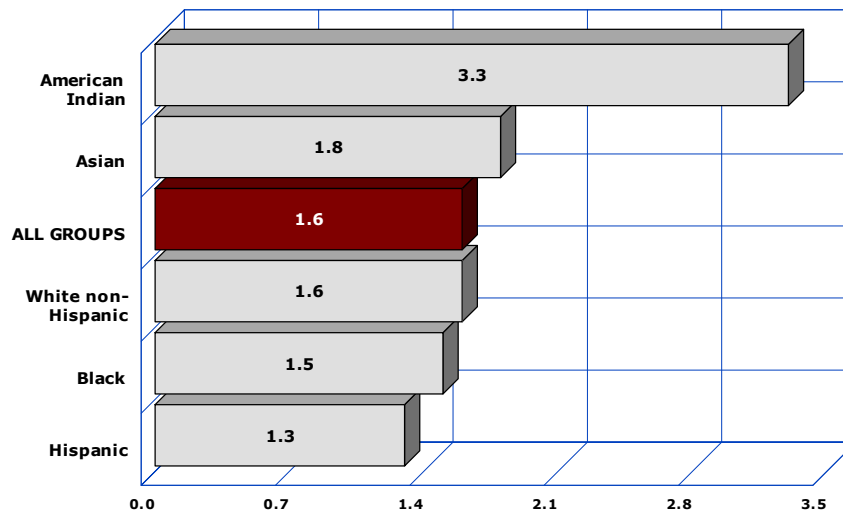
### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	0.4	0.4	0.2	0.7	1.3	0.2
2011	0.8	0.8	0.7	1.7	1.2	0.6
% change from 2001	100.0	100.0	250.0	142.9	-7.7	200.0

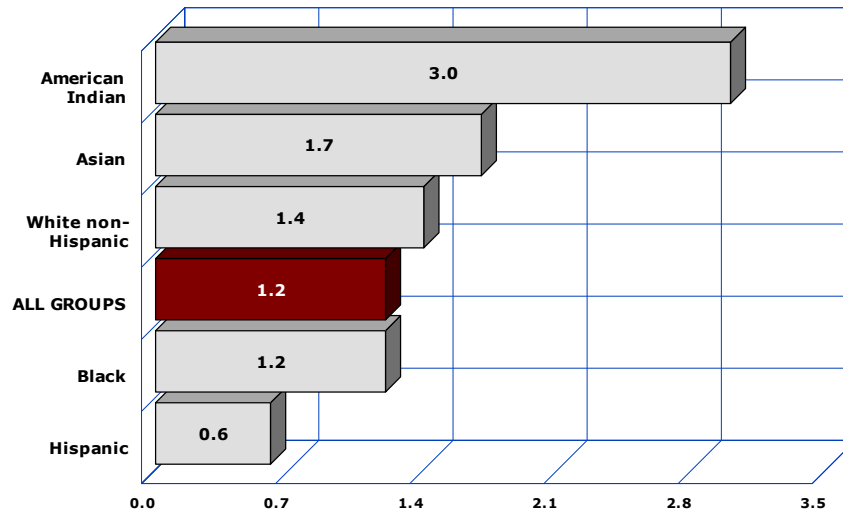
## 2-5 DYSFUNCTIONAL LABOR

**2011**



Note: Per 100 live births.

**2001**

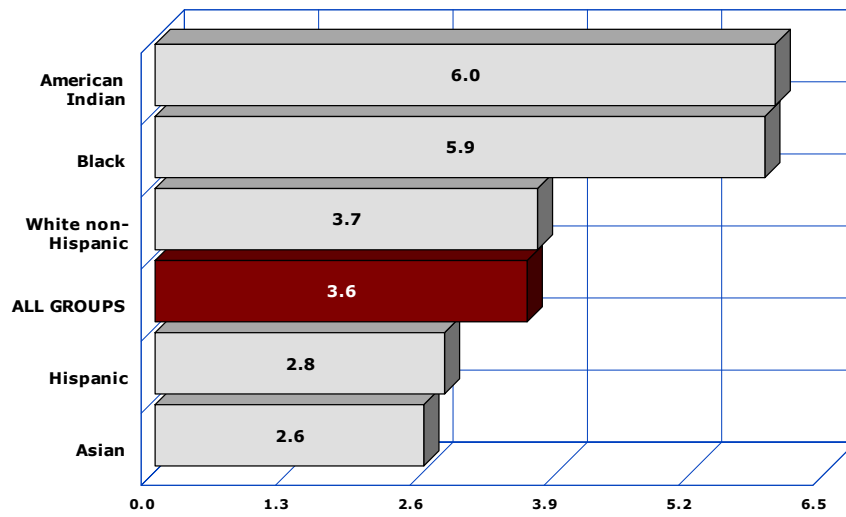


Note: Per 100 live births.

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Per 100 births by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>1.2</b>	<b>1.4</b>	<b>0.6</b>	<b>1.2</b>	<b>3.0</b>	<b>1.7</b>
<b>2011</b>	<b>1.6</b>	<b>1.6</b>	<b>1.3</b>	<b>1.5</b>	<b>3.3</b>	<b>1.8</b>
<b>% change from 2001</b>	<b>33.3</b>	<b>14.3</b>	<b>116.7</b>	<b>25.0</b>	<b>10.0</b>	<b>5.9</b>

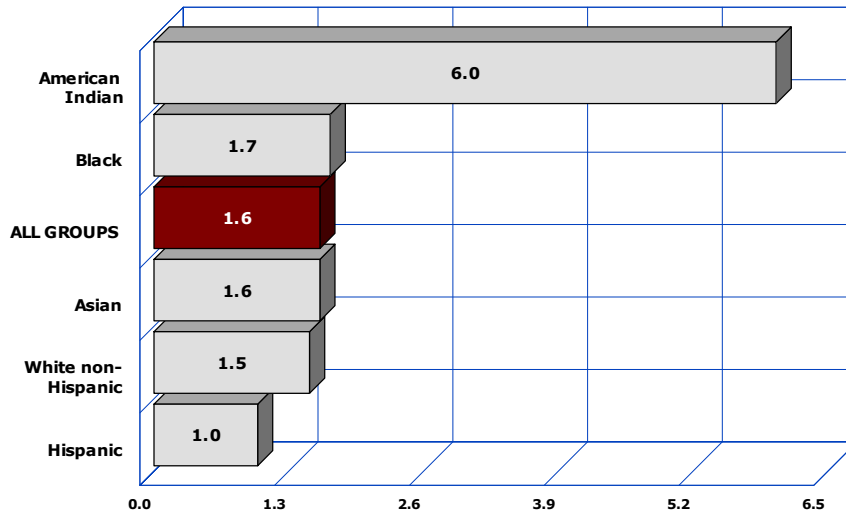
## 2-6 ANEMIA DURING PREGNANCY

2011



Note: Per 100 live births.

2001



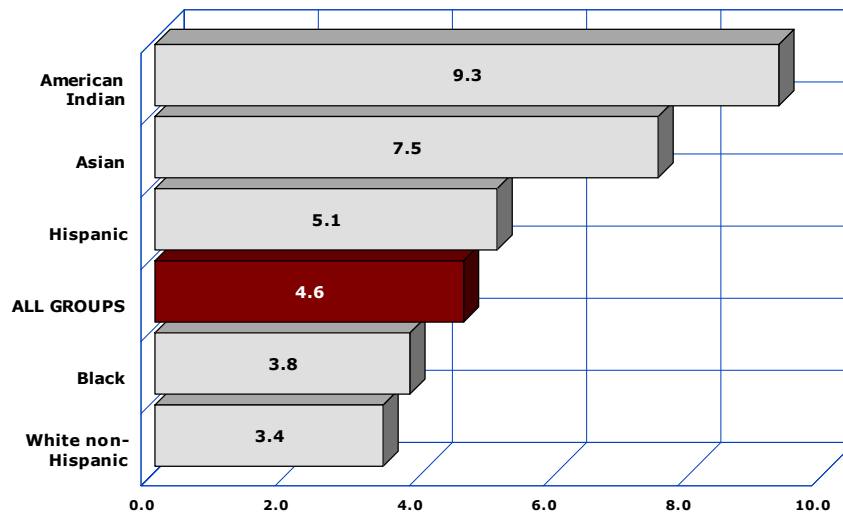
Note: Per 100 live births.

### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	1.6	1.5	1.0	1.7	6.0	1.6
2011	3.6	3.7	2.8	5.9	6.0	2.6
% change from 2001	125.0	146.7	180.0	247.1	0.0	62.5

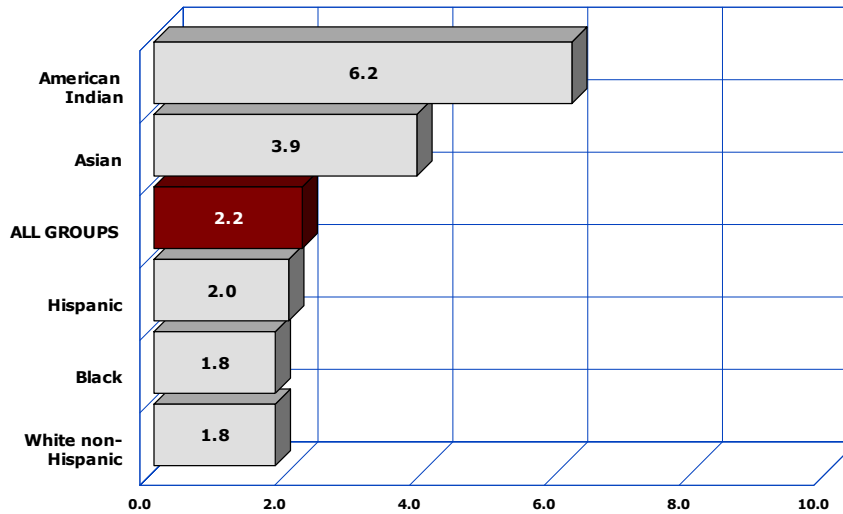
## 2-7 DIABETES DURING PREGNANCY

**2011**



Note: Per 100 live births.

**2001**



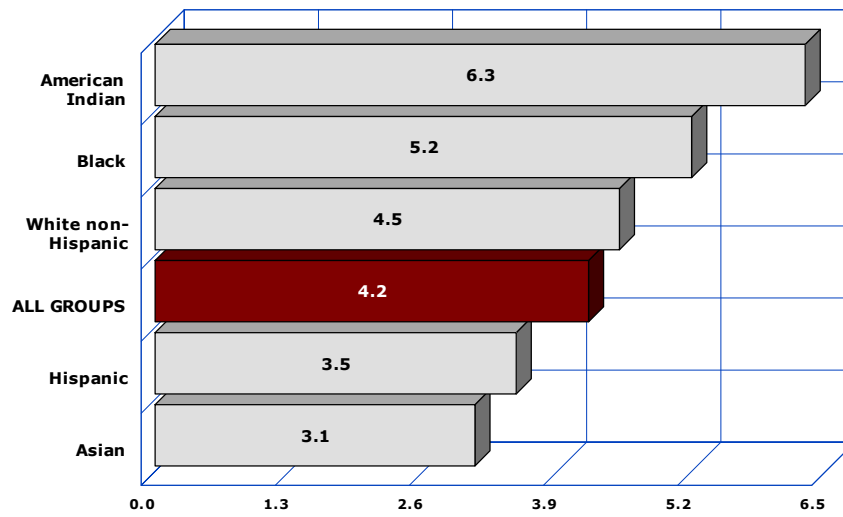
Note: Per 100 live births.

### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	2.2	1.8	2.0	1.8	6.2	3.9
2011	4.6	3.4	5.1	3.8	9.3	7.5
% change from 2001	109.1	88.9	155.0	111.1	50.0	92.3

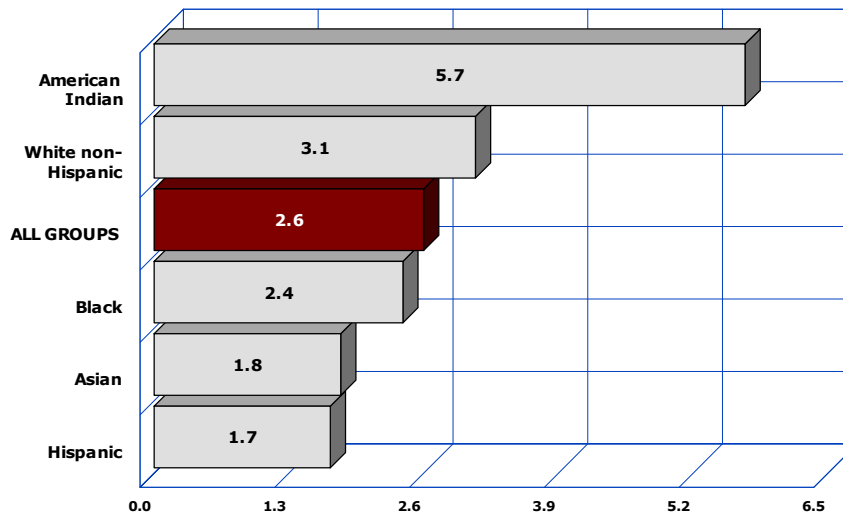
## 2-8 PREGNANCY-ASSOCIATED HYPERTENSION

2011



Note: Per 100 live births.

2001



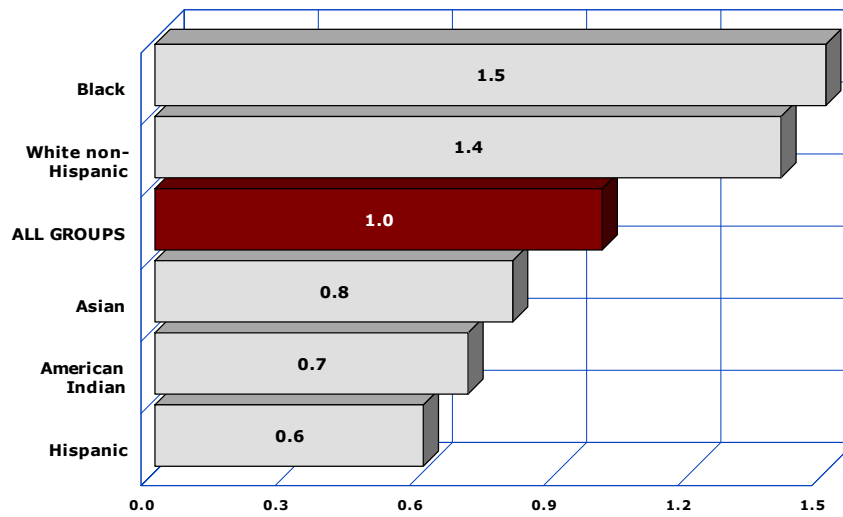
Note: Per 100 live births.

### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	2.6	3.1	1.7	2.4	5.7	1.8
2011	4.2	4.5	3.5	5.2	6.3	3.1
% change from 2001	61.5	45.2	105.9	116.7	10.5	72.2

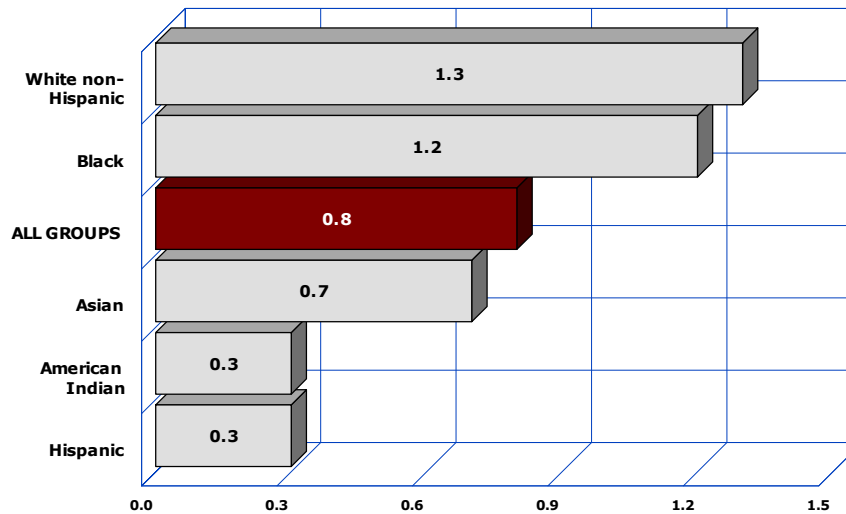
## 2-9 GENITAL HERPES DURING PREGNANCY

**2011**



Note: Per 100 live births.

**2001**

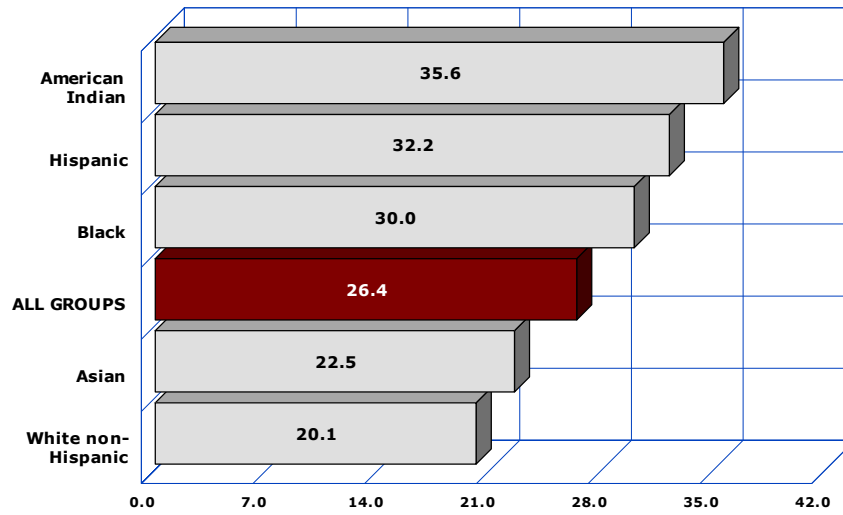


Note: Per 100 live births.

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Per 100 births by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>0.8</b>	<b>1.3</b>	<b>0.3</b>	<b>1.2</b>	<b>0.3</b>	<b>0.7</b>
<b>2011</b>	<b>1.0</b>	<b>1.4</b>	<b>0.6</b>	<b>1.5</b>	<b>0.7</b>	<b>0.8</b>
<b>% change from 2001</b>	<b>25.0</b>	<b>7.7</b>	<b>100.0</b>	<b>25.0</b>	<b>133.3</b>	<b>14.3</b>

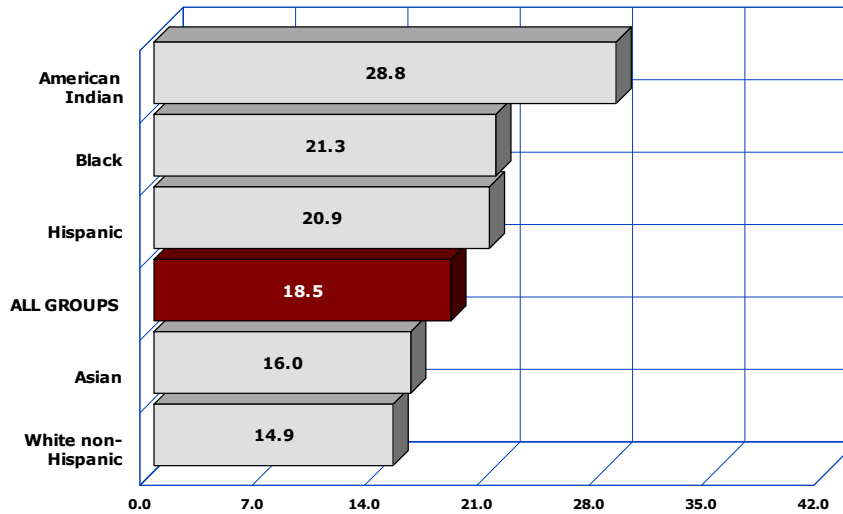
## 2-10 WEIGHT GAIN OF LESS THAN 21 POUNDS

**2011**



Note: Per 100 live births.

**2001**



Note: Per 100 live births.

### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	18.5	14.9	20.9	21.3	28.8	16.0
2011	26.4	20.1	32.2	30.0	35.6	22.5
% change from 2001	42.7	34.9	54.1	40.8	23.6	40.6



# **3 Utilization of Prenatal Care Services**

**3-1 No Care in the 1<sup>st</sup> Trimester**

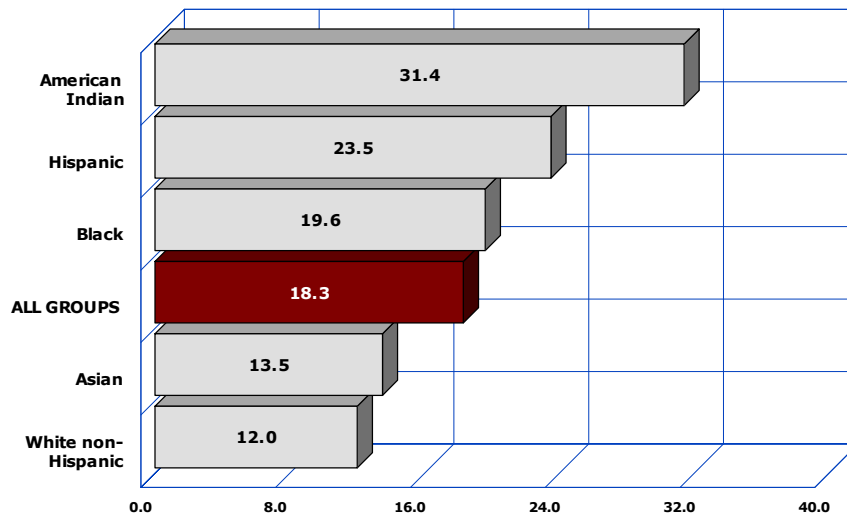
**3-2 Fewer Than Five Prenatal Visits**

**3-3 No Prenatal Care**



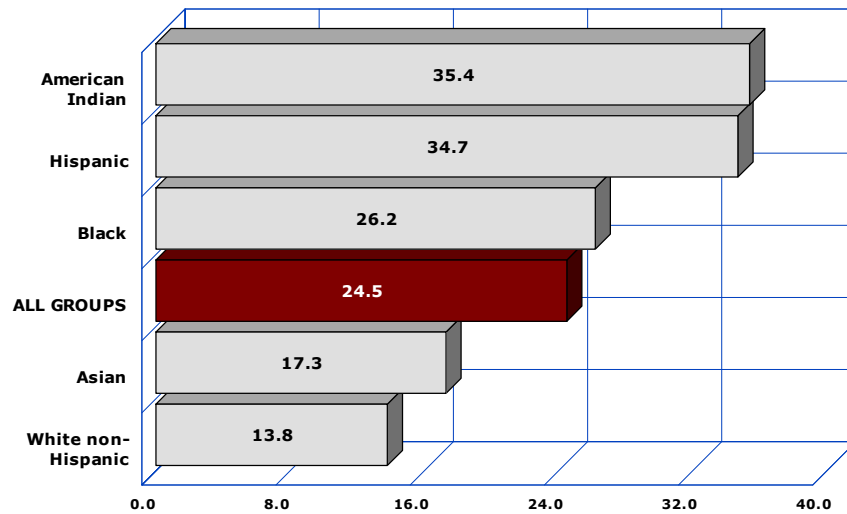
### 3-1 NO CARE IN THE 1<sup>ST</sup> TRIMESTER

2011



Note: Per 100 live births.

2001



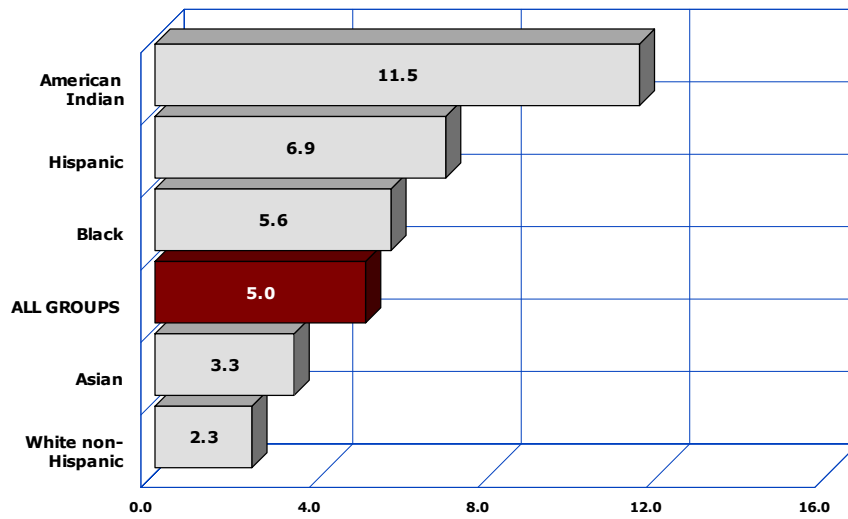
Note: Per 100 live births.

#### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	24.5	13.8	34.7	26.2	35.4	17.3
2011	18.3	12.0	23.5	19.6	31.4	13.5
% change from 2001	-25.3	-13.0	-32.2	-25.1	-11.3	-22.0

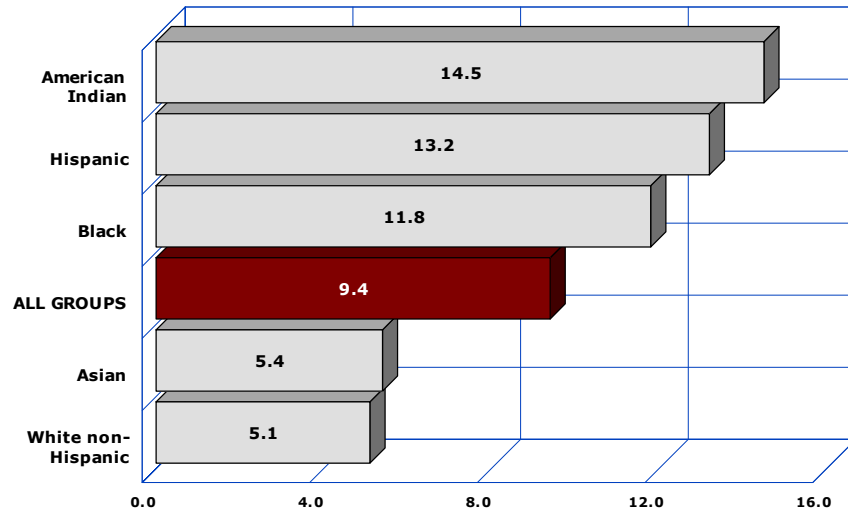
### 3-2 FEWER THAN 5 PRENATAL VISITS

2011



Note: Per 100 live births.

2001



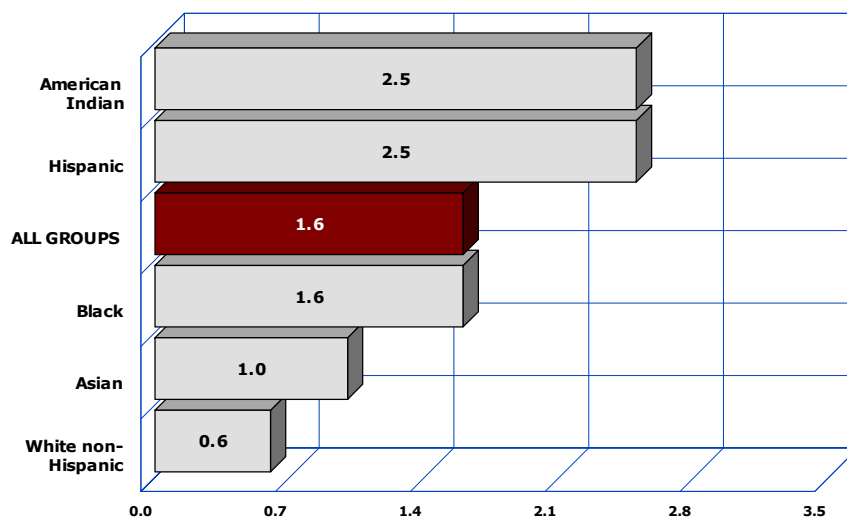
Note: Per 100 live births.

#### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	9.4	5.1	13.2	11.8	14.5	5.4
2011	5.0	2.3	6.9	5.6	11.5	3.3
% change from 2001	-46.8	-54.9	-47.7	-52.5	-20.7	-38.9

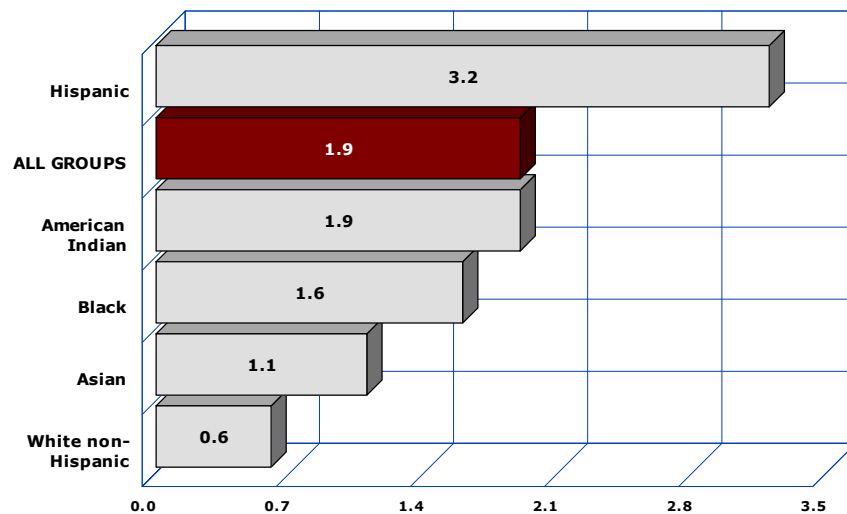
### 3-3 NO PRENATAL CARE

2011



Note: Per 100 live births.

2001



Note: Per 100 live births.

#### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	1.9	0.6	3.2	1.6	1.9	1.1
2011	1.6	0.6	2.5	1.6	2.5	1.0
% change from 2001	-15.8	0.0	-21.9	0.0	31.6	-9.1



# 4

## Newborn's Health

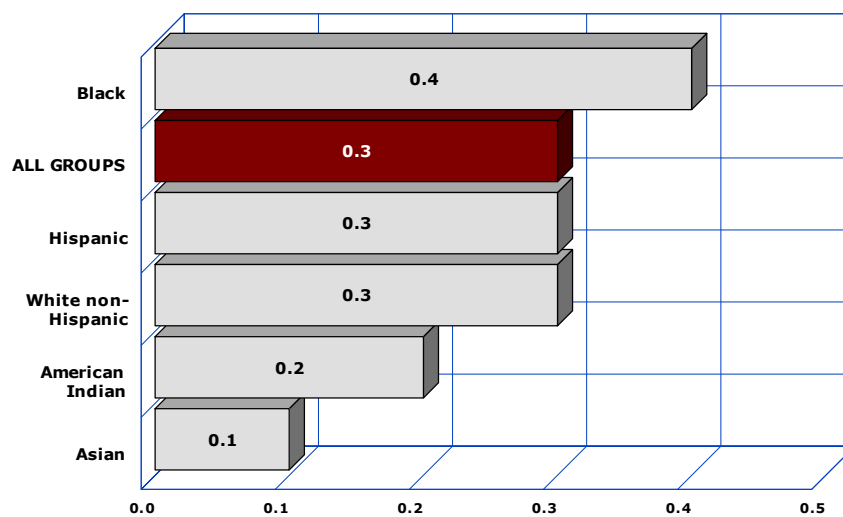
- 4-1 The Incidence of Hyaline Membrane Disease**
- 4-2 Newborn Intensive Care**
- 4-3 Born Too Early (Preterm or <37 Weeks)**
- 4-4 The Incidence of Low-Birthweight Births**
- 4-5 The Incidence of Very Low-Birthweight Births**
- 4-6 The Incidence of Congenital Anomalies (Birth Defects)**
- 4-7 Infant Mortality**
- 4-8 Sudden Infant Death Syndrome**
- 4-9 Mortality of Infants from Low-Birthweight/ Short Gestation**
- 4-10 Neonatal Mortality**
- 4-11 Postneonatal Mortality**





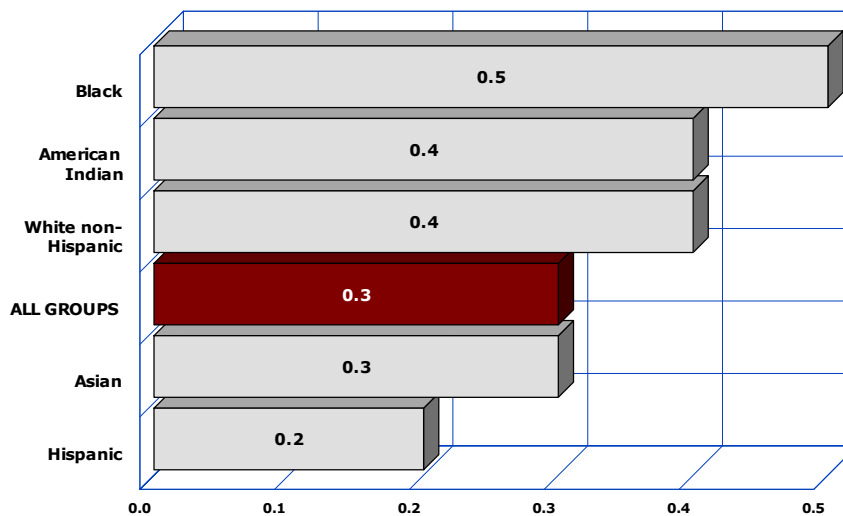
#### 4-1 INCIDENCE OF HYALINE MEMBRANE DISEASE

2011



Note: Per 100 live births.

2001



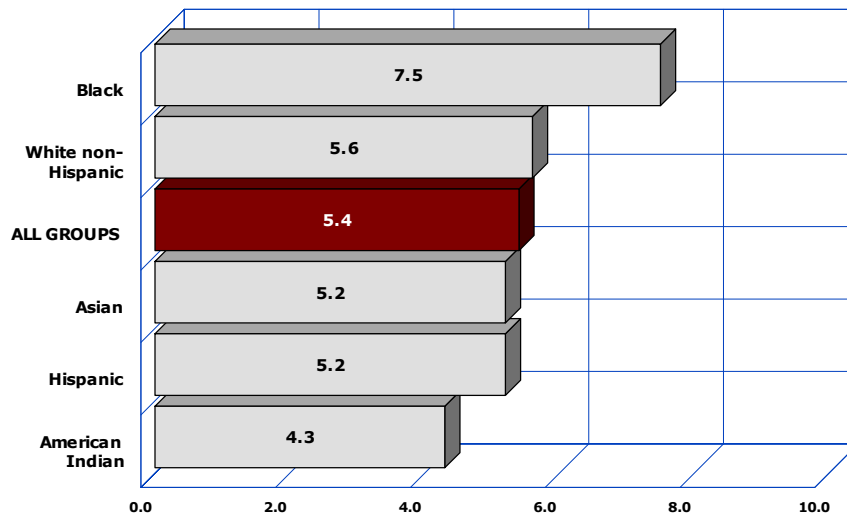
Note: Per 100 live births.

#### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	0.3	0.4	0.2	0.5	0.4	0.3
2011	0.3	0.3	0.3	0.4	0.2	0.1
% change from 2001	0.0	-25.0	50.0	-20.0	-50.0	-66.7

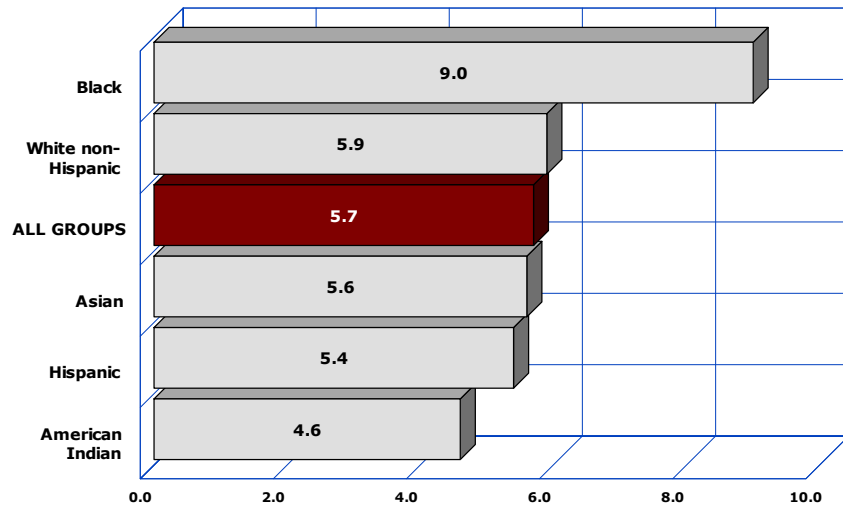
## 4-2 INCIDENCE OF NEWBORN INTENSIVE CARE

2011



Note: Per 100 live births.

2001



Note: Per 100 live births.

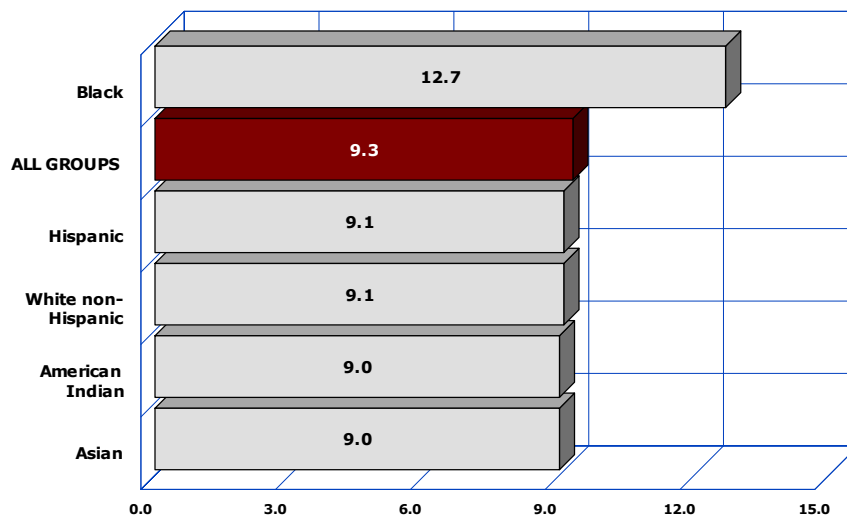
### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	5.7	5.9	5.4	9.0	4.6	5.6
2011	5.4	5.6	5.2	7.5	4.3	5.2
% change from 2001	-5.3	-5.1	-3.7	-16.7	-6.5	-7.1

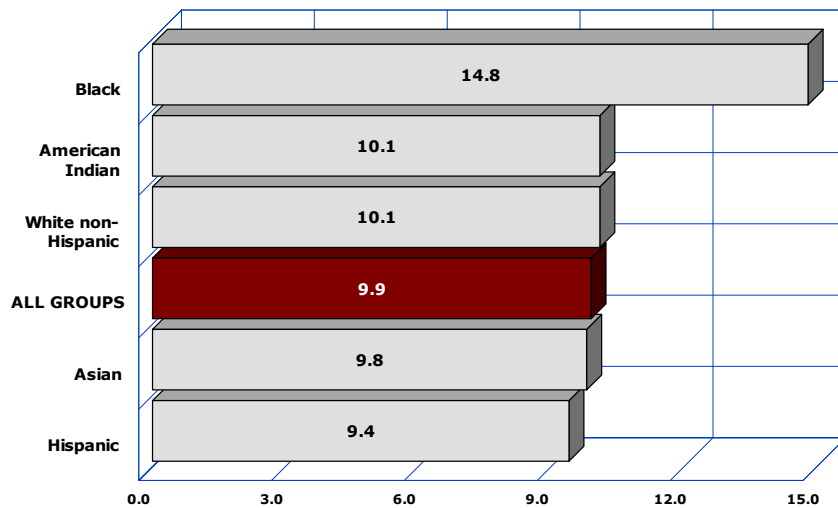
### 4-3 BORN TOO EARLY (PRETERM OF <37 WEEKS)

2011



Note: Per 100 live births.

2001



Note: Per 100 live births.

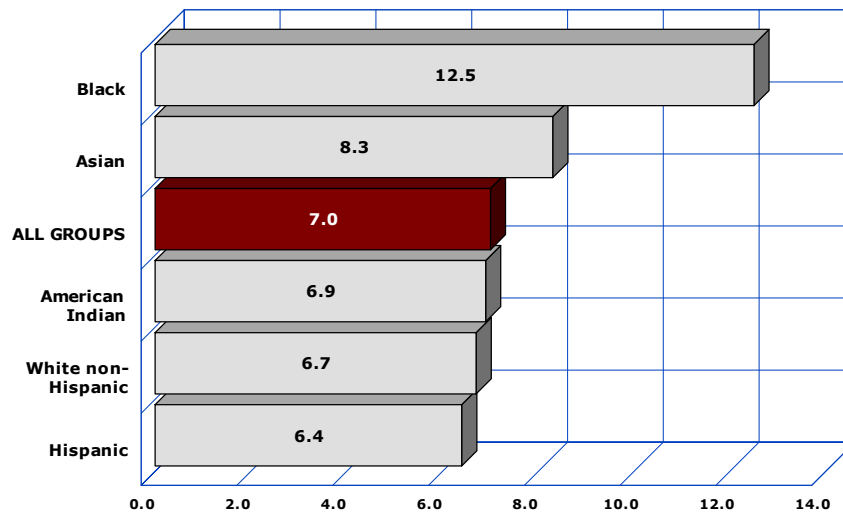
#### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	9.9	10.1	9.4	14.8	10.1	9.8
2011	9.3	9.1	9.1	12.7	9.0	9.0
% change from 2001	-6.1	-9.9	-3.2	-14.2	-10.9	-8.2

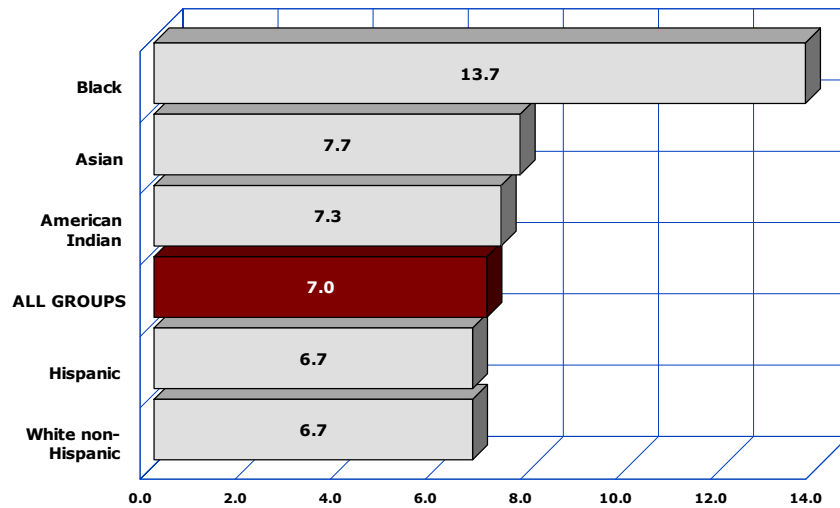
#### 4-4 BORN TOO SMALL: LOW BIRTHWEIGHT (<2,500 GRAMS)

2011



Note: Per 100 live births.

2001



Note: Per 100 live births.

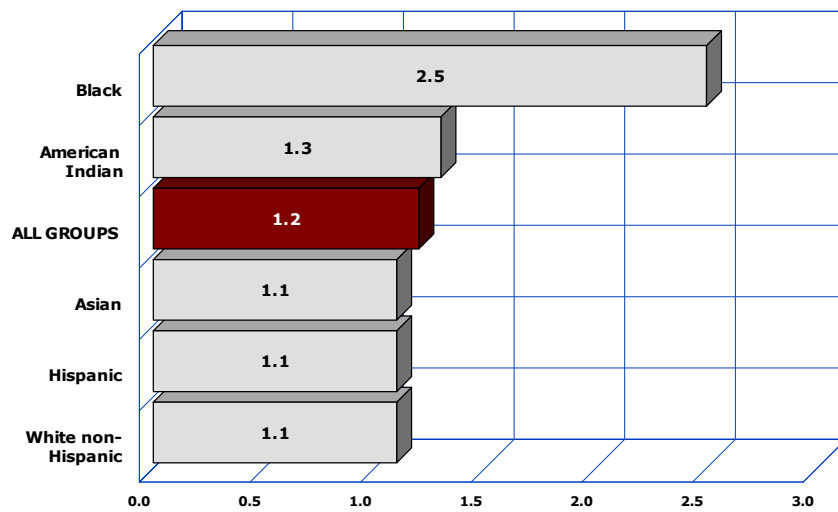
#### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	7.0	6.7	6.7	13.7	7.3	7.7
2011	7.0	6.7	6.4	12.5	6.9	8.3
% change from 2001	0.0	0.0	-4.5	-8.8	-5.5	7.8

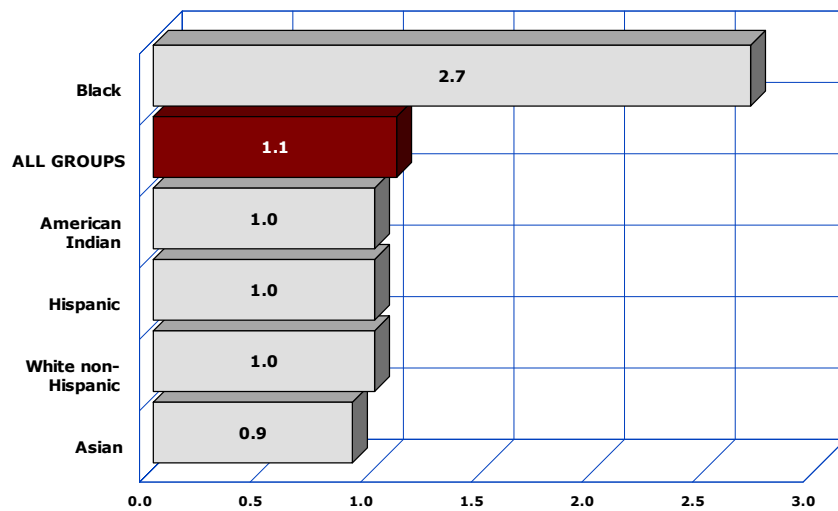
## 4-5 BORN TOO SMALL: VERY LOW BIRTHWEIGHT (<1,500 GRAMS)

2011



Note: Per 100 live births.

2001



Note: Per 100 live births.

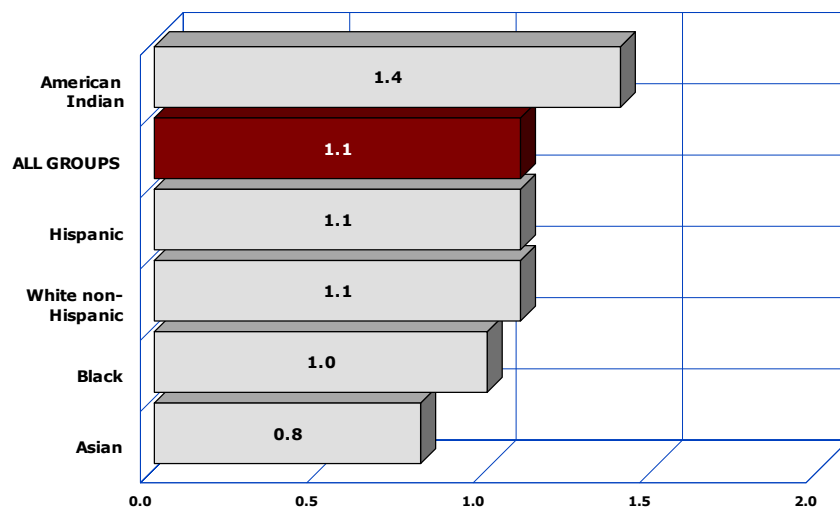
### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	1.1	1.0	1.0	2.7	1.0	0.9
2011	1.2	1.1	1.1	2.5	1.3	1.1
% change from 2001	9.1	10.0	10.0	-7.4	30.0	22.2

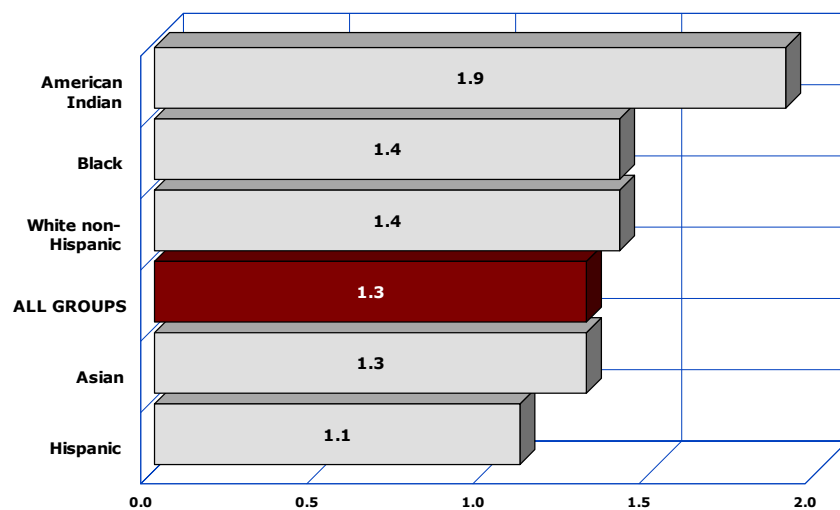
## 4-6 INCIDENCE OF CONGENITAL ANOMALIES (BIRTH DEFECTS)

2011



Note: Per 100 live births.

2001



Note: Per 100 live births.

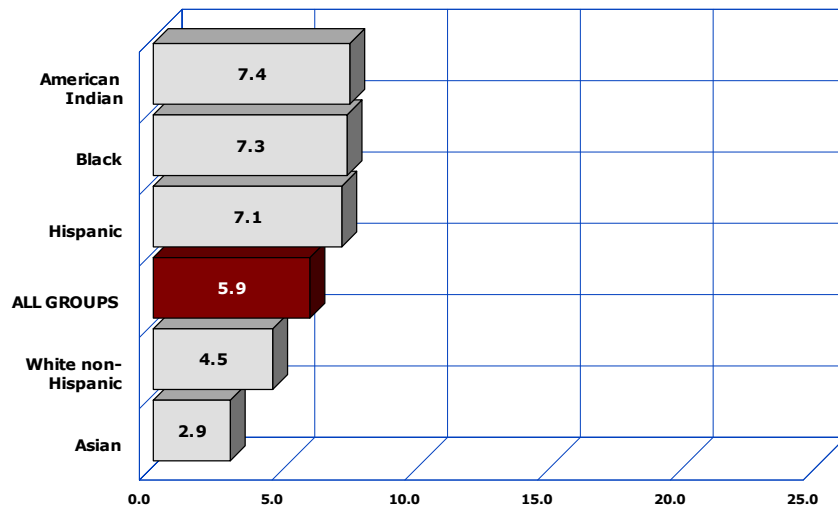
### COMPARATIVE RATES FOR 2001 AND 2011

Per 100 births by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	1.3	1.4	1.1	1.4	1.9	1.3
2011	1.1	1.1	1.1	1.0	1.4	0.8
% change from 2001	-15.4	-21.4	0.0	-28.6	-26.3	-38.5

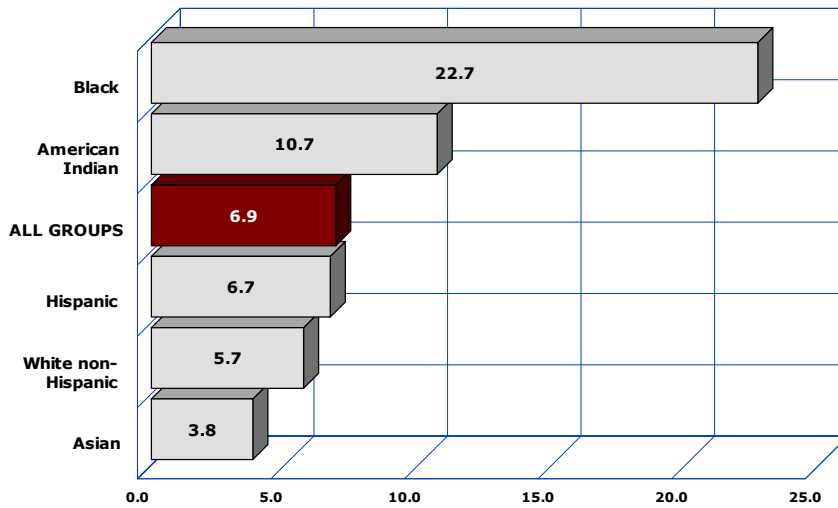
## 4-7 INFANT MORTALITY

**2011**



Note: Per 100 live births.

**2001**



Note: Per 100 live births.

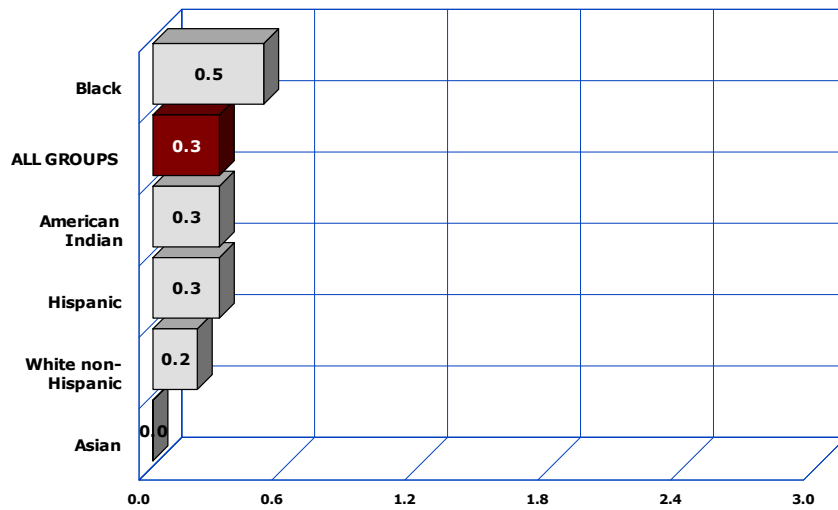
### COMPARATIVE RATES FOR 2001 AND 2011

Per 1,000 births by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	6.9	5.7	6.7	22.7	10.7	3.8
2011	5.9	4.5	7.1	7.3	7.4	2.9
% change from 2001	-14.5	-21.1	6.0	-67.8	-30.8	-23.7

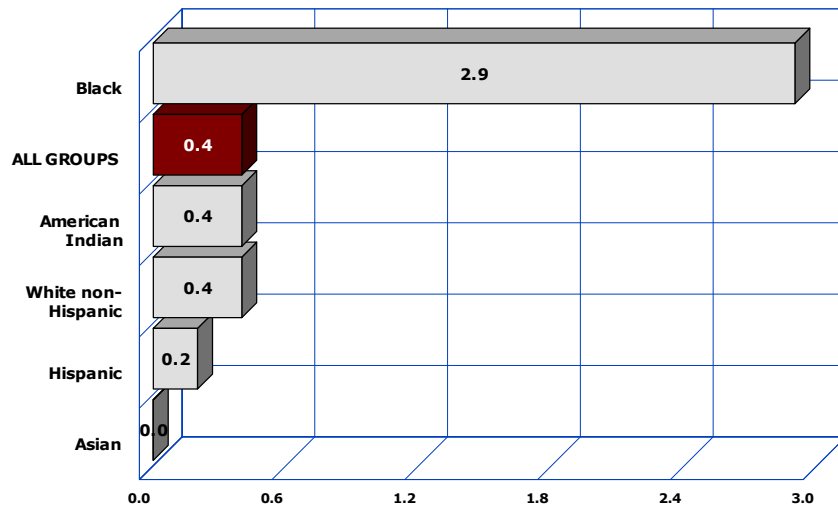
## 4-8 SUDDEN INFANT DEATH SYNDROME (SIDS)

**2011**



Note: Per 100 live births.

**2001**



Note: Per 100 live births.

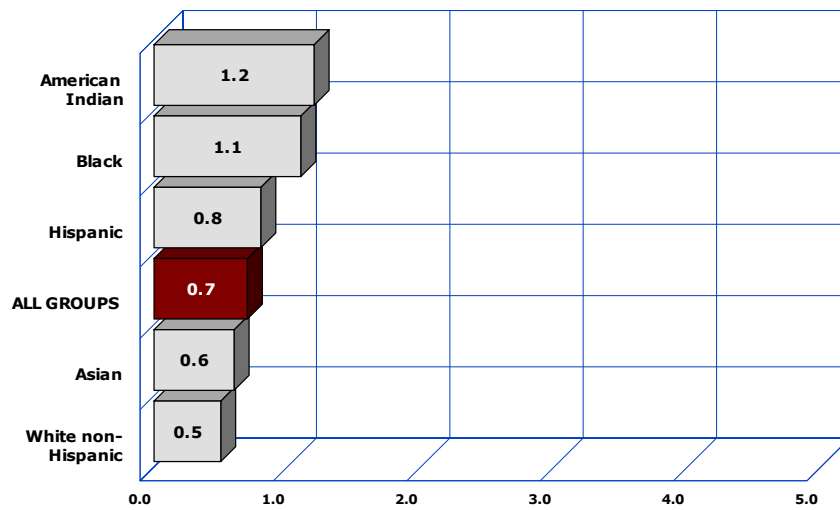
### COMPARATIVE RATES FOR 2001 AND 2011

Per 1,000 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>2001</b>	<b>0.4</b>	<b>0.4</b>	<b>0.2</b>	<b>2.9</b>	<b>0.4</b>	<b>0.0</b>
<b>2011</b>	<b>0.3</b>	<b>0.2</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.0</b>
<b>% change from 2001</b>	<b>-25.0</b>	<b>-50.0</b>	<b>50.0</b>	<b>-82.8</b>	<b>-25.0</b>	<b>NA</b>



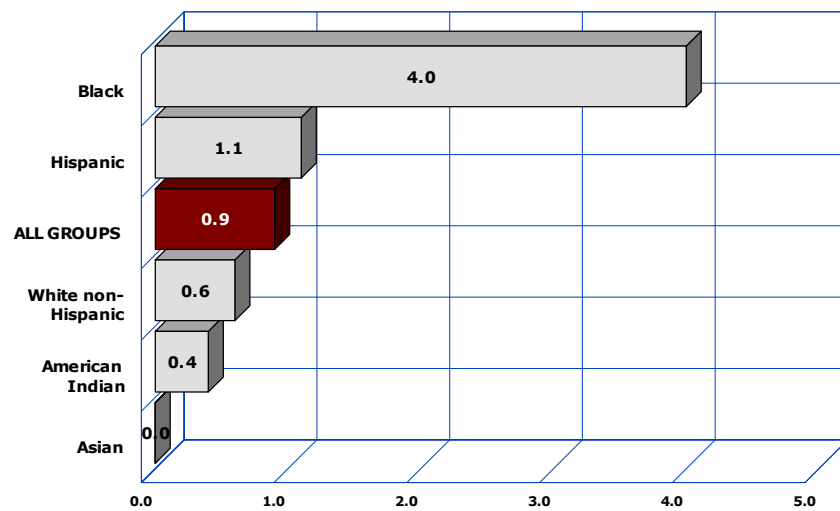
## 4-9 MORTALITY OF INFANTS FROM LOW BIRTHWEIGHT/SHORT GESTATION

2011



Note: Per 100 live births.

2001



Note: Per 100 live births.

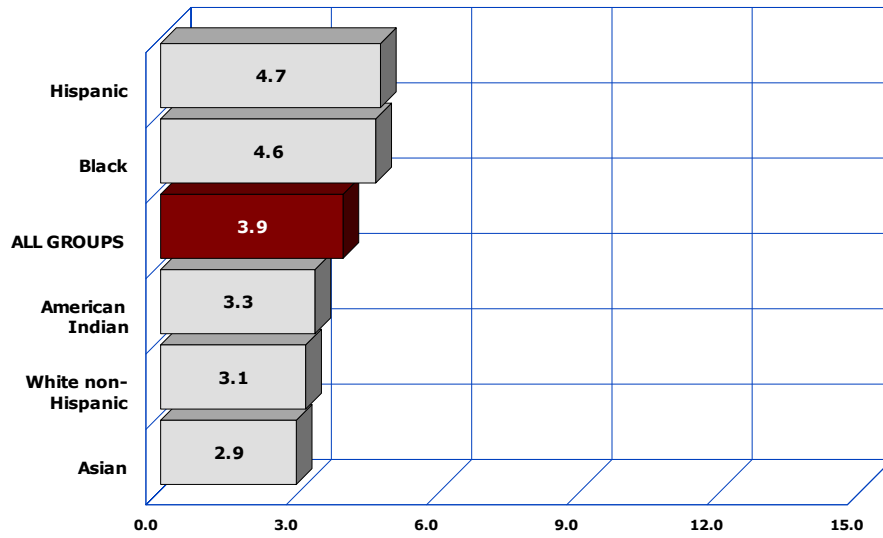
### COMPARATIVE RATES FOR 2001 AND 2011

Per 1,000 births by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	0.9	0.6	1.1	4.0	0.4	0.0
2011	0.7	0.5	0.8	1.1	1.2	0.6
% change from 2001	-22.2	-16.7	-27.3	-72.5	200.0	NA

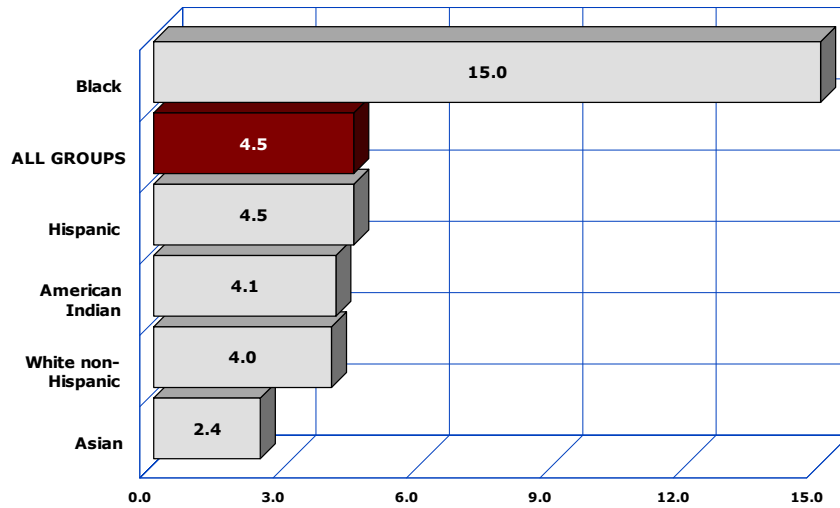
## 4-10 NEONATAL MORTALITY

**2011**



Note: Number of deaths per 1,000 live births.

**2001**

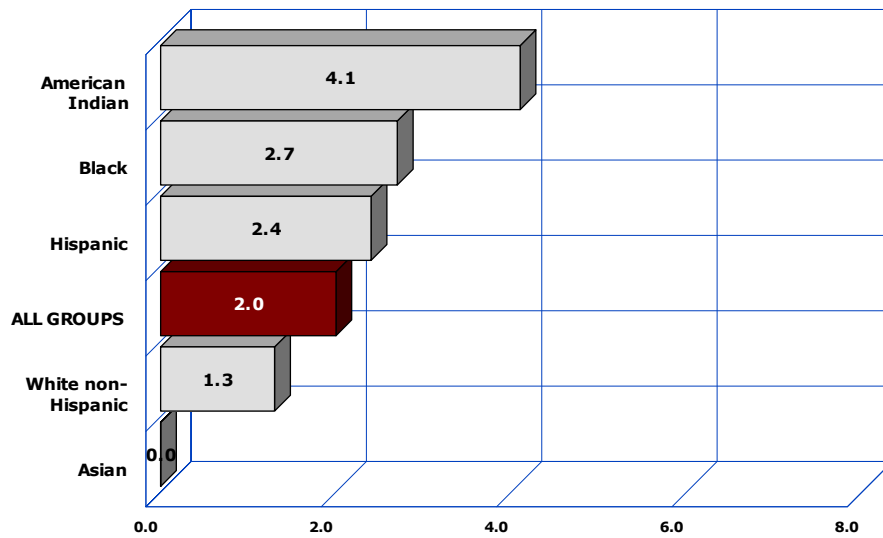


Note: Number of deaths per 1,000 live births.

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Per 1,000 births by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	4.5	4.0	4.5	15.0	4.1	2.4
<b>2011</b>	3.9	3.1	4.7	4.6	3.3	2.9
<b>% change from 2001</b>	-13.3	-22.5	4.4	-69.3	-19.5	20.8

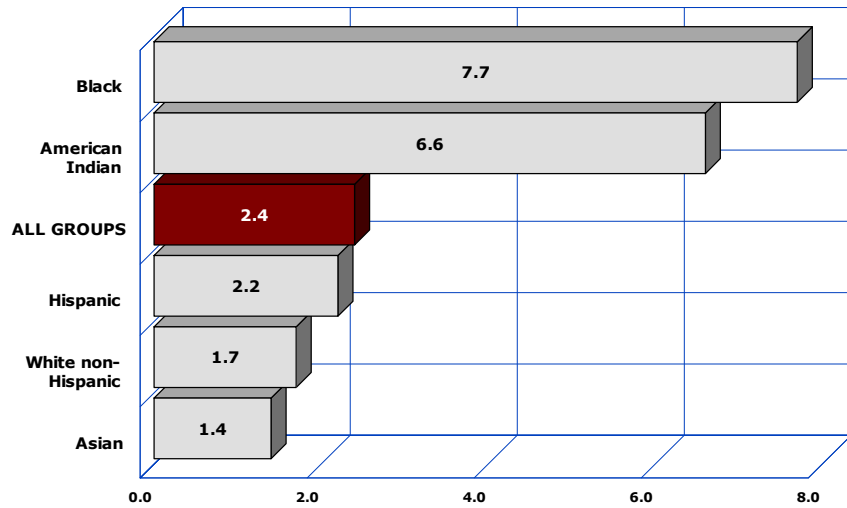
## 4-11 POSTNEONATAL MORTALITY

**2011**



Note: Number of deaths per 1,000 live births.

**2001**



Note: Number of deaths per 1,000 live births.

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Per 1,000 births by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	2.4	1.7	2.2	7.7	6.6	1.4
<b>2011</b>	2.0	1.3	2.4	2.7	4.1	0.0
<b>% change from 2001</b>	-16.7	-23.5	9.1	-64.9	-37.9	-100.0



# 5

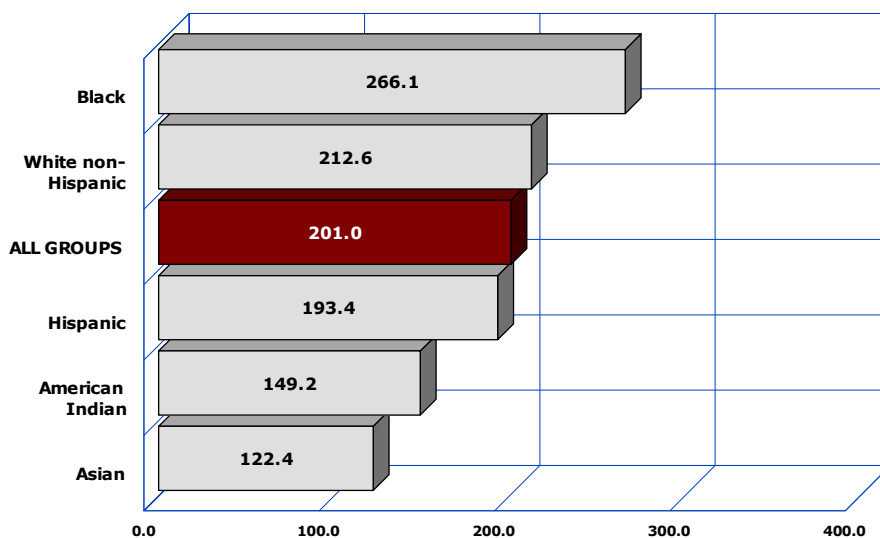
## Mortality from Natural Causes

- 5-1 Cardiovascular Disease**
- 5-2 Diseases of the Heart**
- 5-3 Coronary Heart Disease**
- 5-4 Cerebrovascular Disease**
- 5-5 Chronic Lower Respiratory Disease**
- 5-6 Malignant Neoplasms**
- 5-7 Lung Cancer**
- 5-8 Breast Cancer**
- 5-9 Cervical Cancer**
- 5-10 Colorectal Cancer**
- 5-11 Prostate Cancer**
- 5-12 Influenza and Pneumonia**
- 5-13 Diabetes**
- 5-14 Chronic Liver Disease and Cirrhosis**
- 5-15 HIV Disease**
- 5-16 Septicemia**
- 5-17 Alzheimer's Disease**
- 5-18 Nephritis, Nephrotic Syndrome, & Nephrosis  
(kidney disease)**
- 5-19 Essential (primary) Hypertension**
- 5-20 Mortality from All Causes**



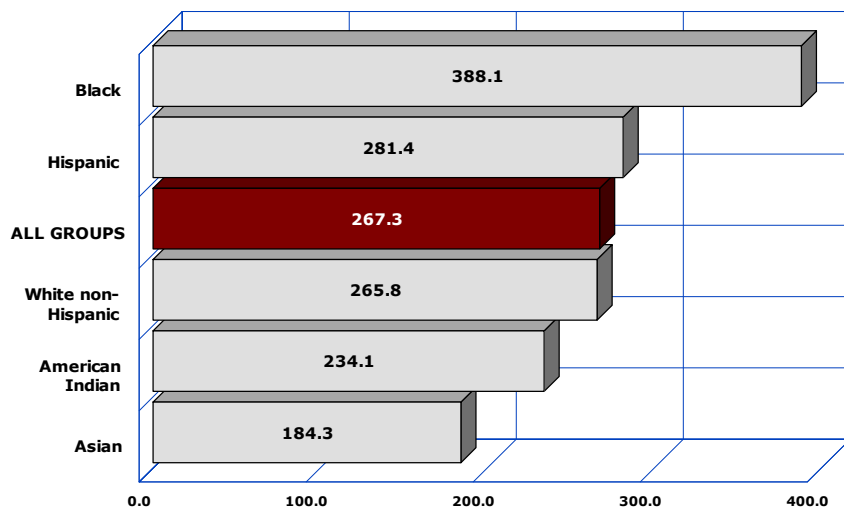
## 5-1 CARDIOVASCULAR DISEASE

**2011**



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

**2001**

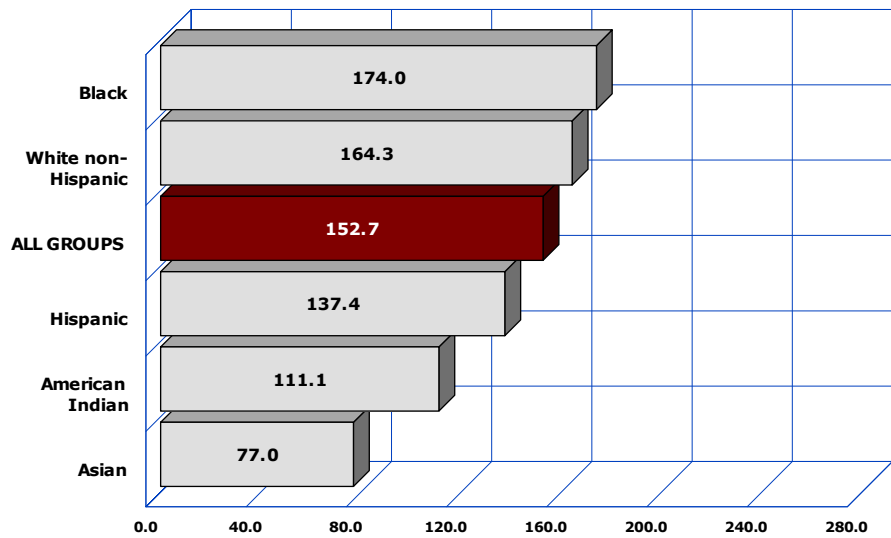


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>267.3</b>	<b>265.8</b>	<b>281.4</b>	<b>388.1</b>	<b>234.1</b>	<b>184.3</b>
<b>2011</b>	<b>201.0</b>	<b>212.6</b>	<b>193.4</b>	<b>266.1</b>	<b>149.2</b>	<b>122.4</b>
<b>% change from 2001</b>	<b>-24.8</b>	<b>-20.0</b>	<b>-31.3</b>	<b>-31.4</b>	<b>-36.3</b>	<b>-33.6</b>

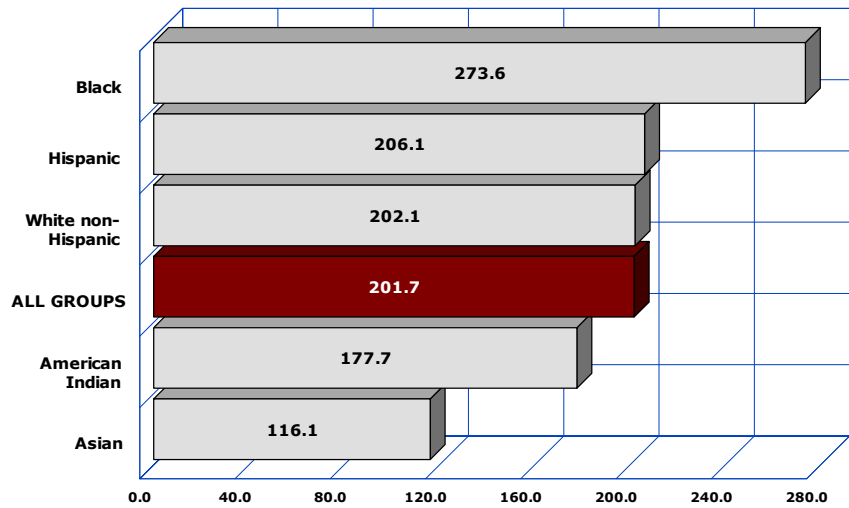
## 5-2 DISEASES OF THE HEART

**2011**



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

**2001**



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

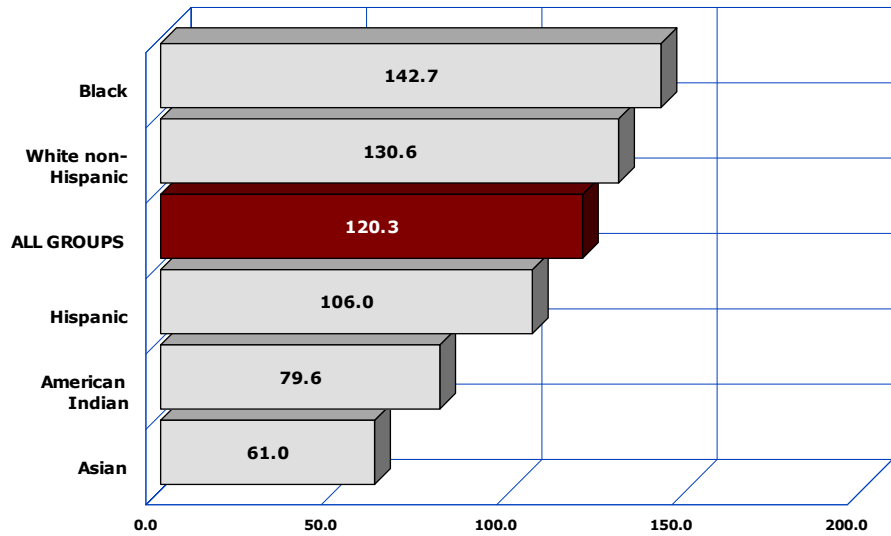
### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>2001</b>	<b>201.7</b>	<b>202.1</b>	<b>206.1</b>	<b>273.6</b>	<b>177.7</b>	<b>116.1</b>
<b>2011</b>	<b>152.7</b>	<b>164.3</b>	<b>137.4</b>	<b>174.0</b>	<b>111.1</b>	<b>77.0</b>
<b>% change from 2001</b>	<b>-24.3</b>	<b>-18.7</b>	<b>-33.3</b>	<b>-36.4</b>	<b>-37.5</b>	<b>-33.7</b>



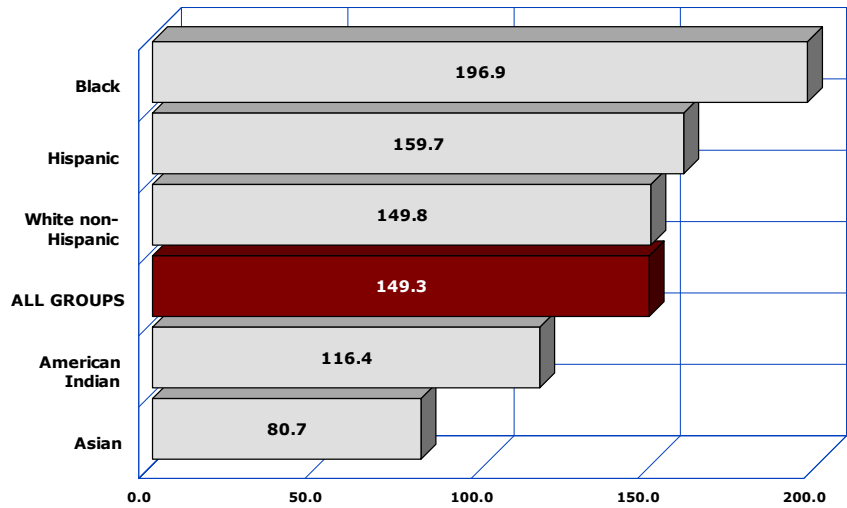
### 5-3 CORONARY HEART DISEASE

2011



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

2001



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

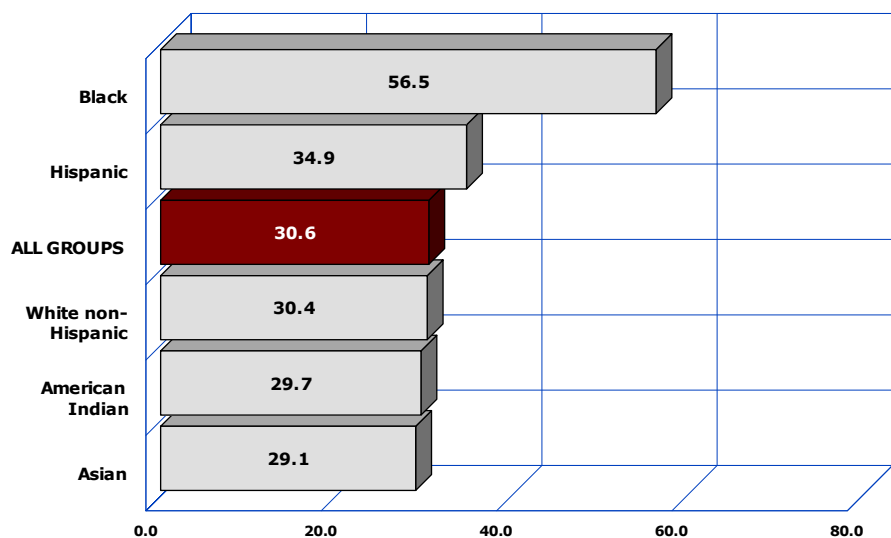
#### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 population by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	149.3	149.8	159.7	196.9	116.4	80.7
2011	120.3	130.6	106.0	142.7	79.6	61.0
% change from 2001	-19.4	-12.8	-33.6	-27.5	-31.6	-24.4

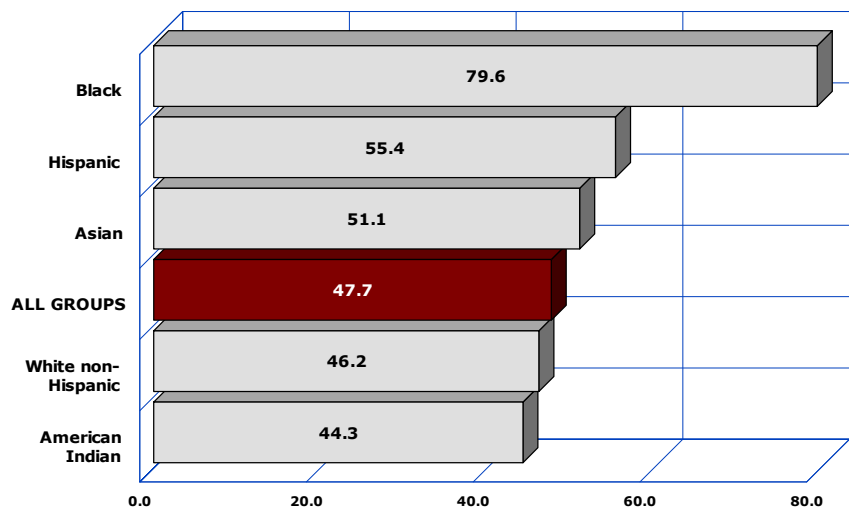
## 5-4 CEREBROVASCULAR DISEASE

**2011**



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

**2001**

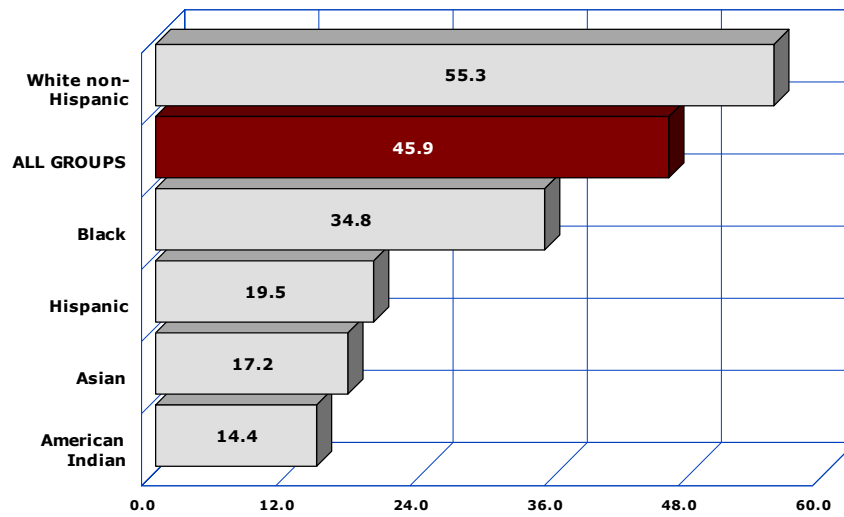


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	47.7	46.2	55.4	79.6	44.3	51.1
2011	30.6	30.4	34.9	56.5	29.7	29.1
% change from 2001	-35.8	-34.2	-37.0	-29.0	-33.0	-43.1

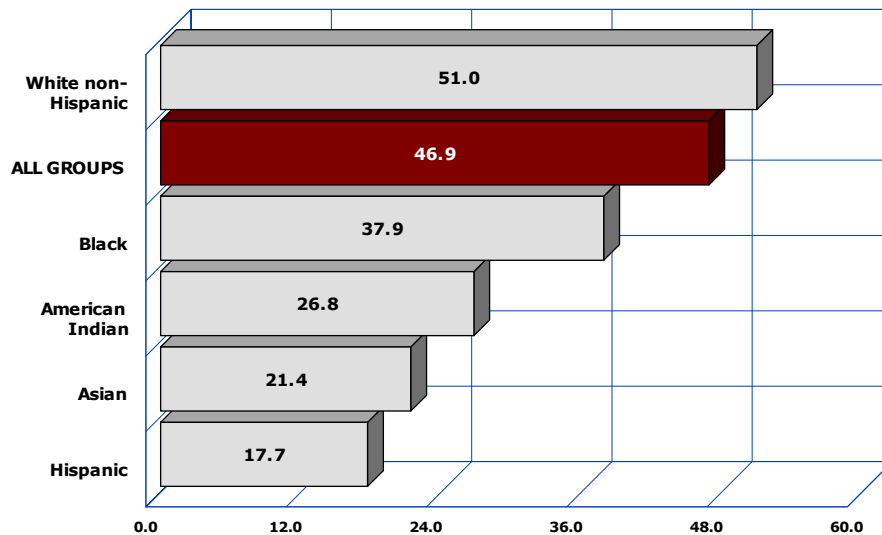
## 5-5 CHRONIC LOWER RESPIRATORY DISEASE

**2011**



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

**2001**



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

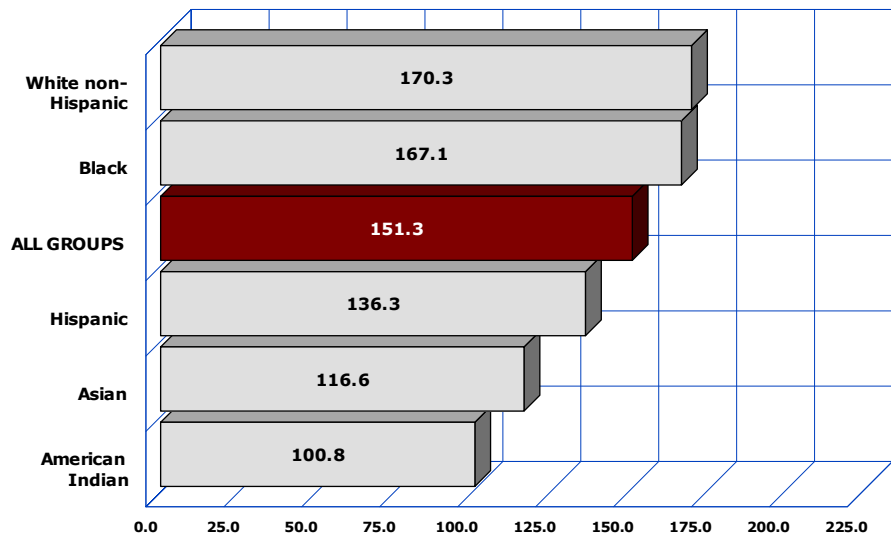
### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 population by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>2001</b>	46.9	51.0	17.7	37.9	26.8	21.4
<b>2011</b>	45.9	55.3	19.5	34.8	14.4	17.2
<b>% change from 2001</b>	-2.1	8.4	10.2	-8.2	-46.3	-19.6

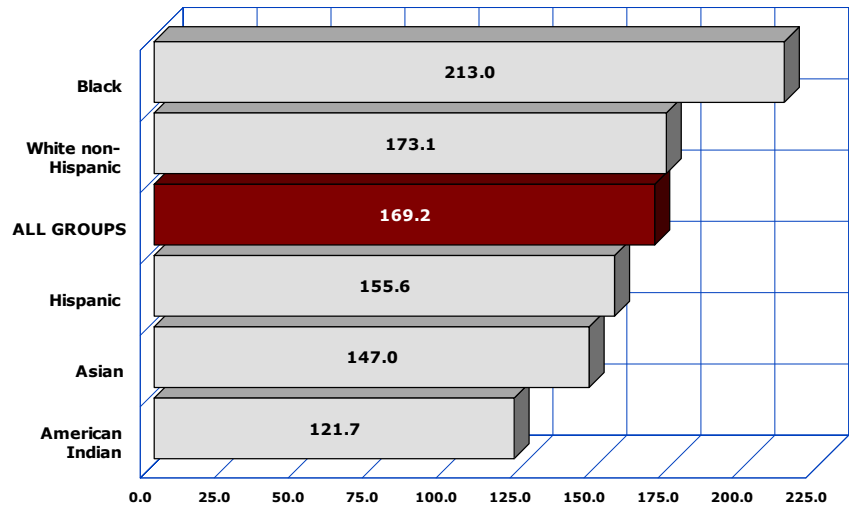
## 5-6 MALIGNANT NEOPLASM (CANCER)

**2011**



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

**2001**



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

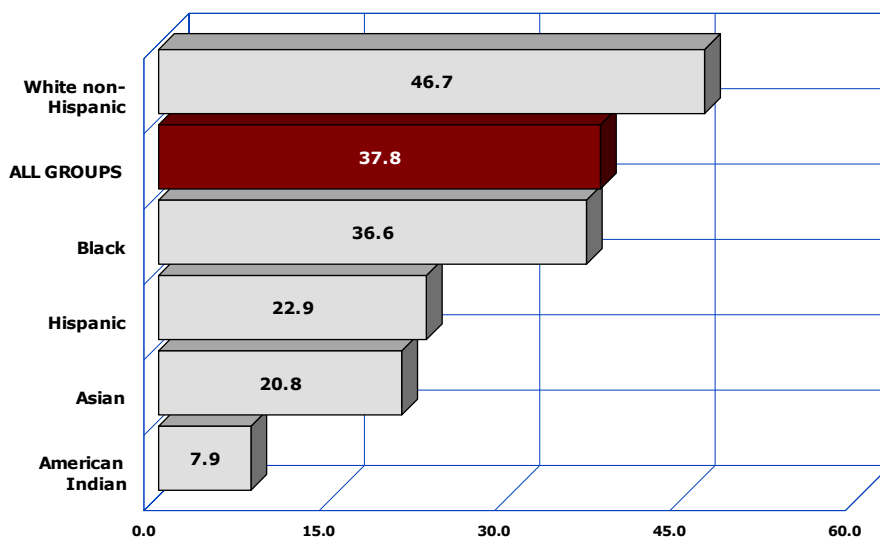
### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 population by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	169.2	173.1	155.6	213.0	121.7	147.0
2011	151.3	170.3	136.3	167.1	100.8	116.6
% change from 2001	-10.6	-1.6	-12.4	-21.5	-17.2	-20.7

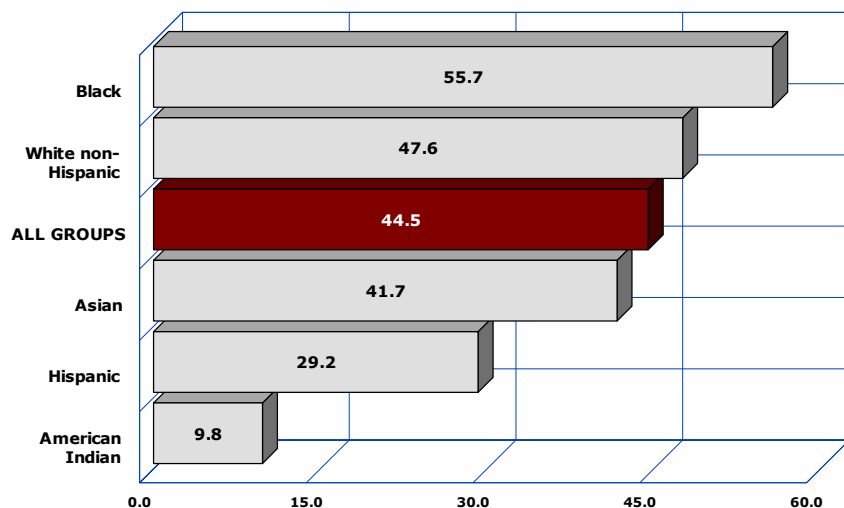
## 5-7 LUNG CANCER

**2011**



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

**2001**



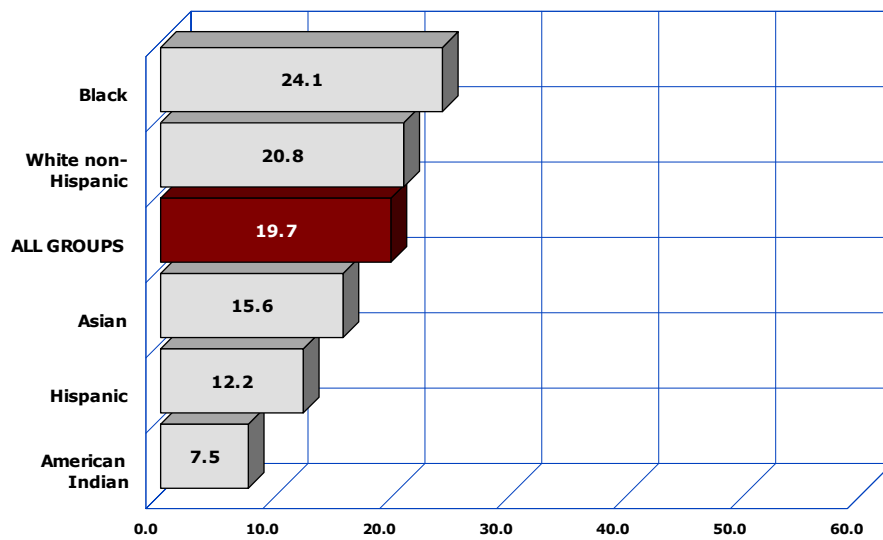
Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>2001</b>	<b>44.5</b>	<b>47.6</b>	<b>29.2</b>	<b>55.7</b>	<b>9.8</b>	<b>41.7</b>
<b>2011</b>	<b>37.8</b>	<b>46.7</b>	<b>22.9</b>	<b>36.6</b>	<b>7.9</b>	<b>20.8</b>
<b>% change from 2001</b>	<b>-15.1</b>	<b>-1.9</b>	<b>-21.6</b>	<b>-34.3</b>	<b>-19.4</b>	<b>-50.1</b>

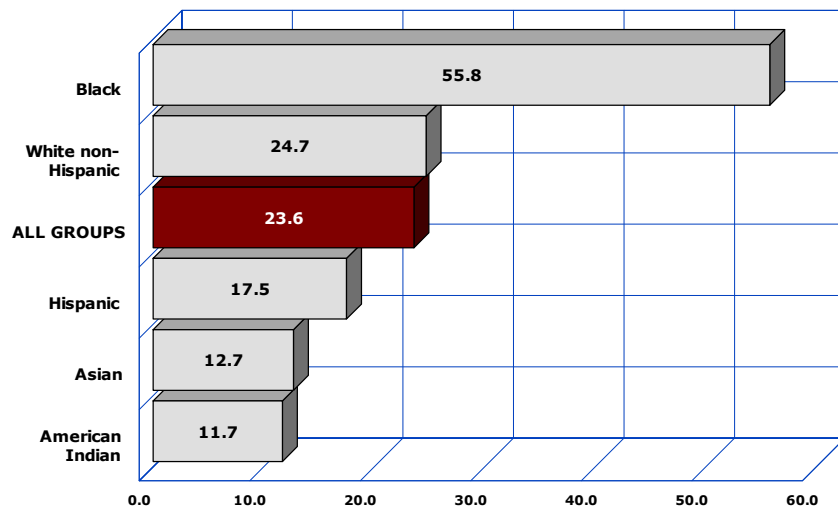
## 5-8 BREAST CANCER

**2011**



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

**2001**



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

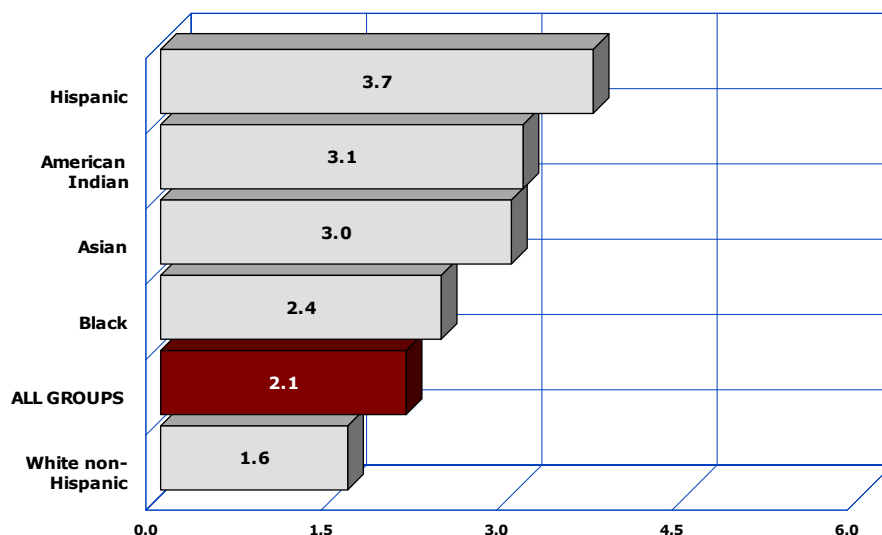
### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 females by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	23.6	24.7	17.5	55.8	11.7	12.7
2011	19.7	20.8	12.2	24.1	7.5	15.6
% change from 2001	-16.5	-15.8	-30.3	-56.8	-35.9	22.8

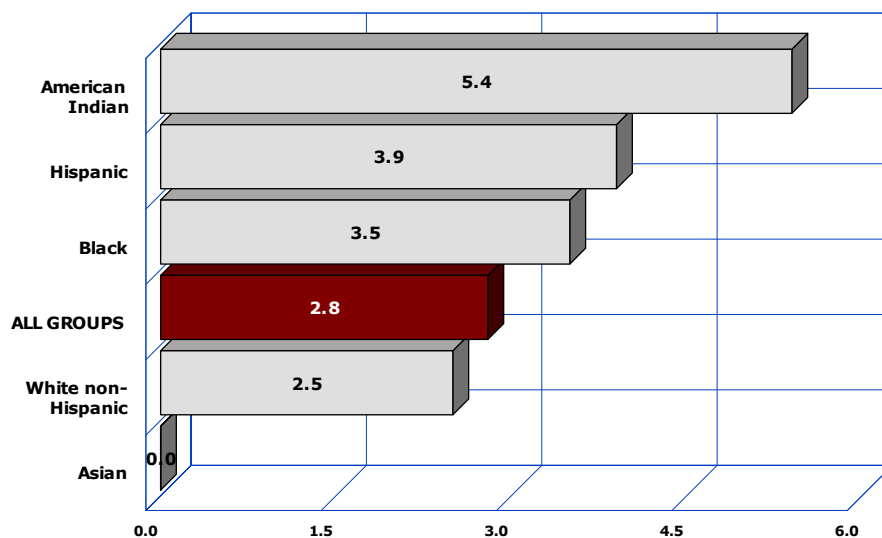
## 5-9 CERVICAL CANCER

**2011**



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

**2001**



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

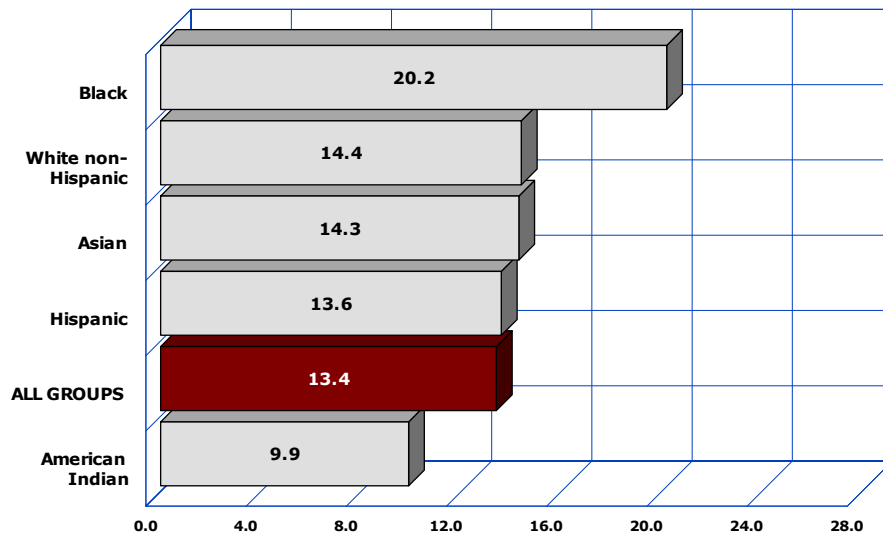
### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 females by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	2.8	2.5	3.9	3.5	5.4	0.0
2011	2.1	1.6	3.7	2.4	3.1	3.0
% change from 2001	-25.0	-36.0	-5.1	-31.4	-42.6	NA

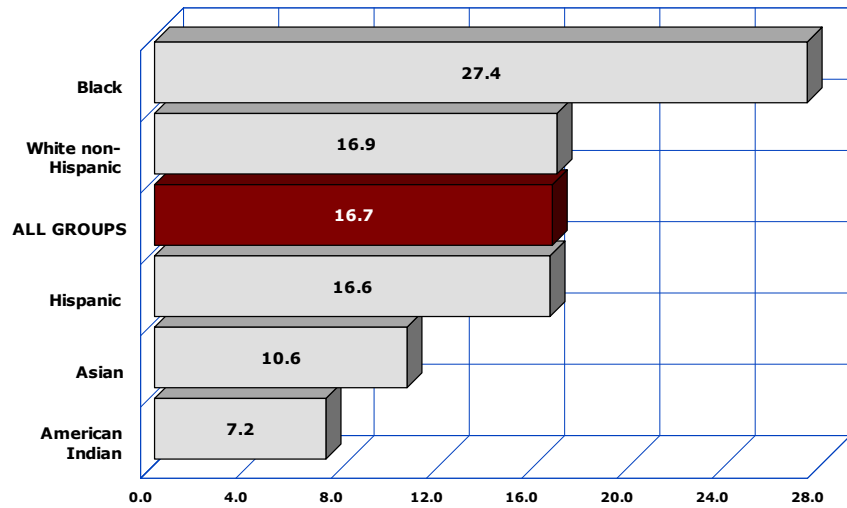
## 5-10 COLORECTAL CANCER

**2011**



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

**2001**



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

### COMPARATIVE RATES FOR 2001 AND 2011

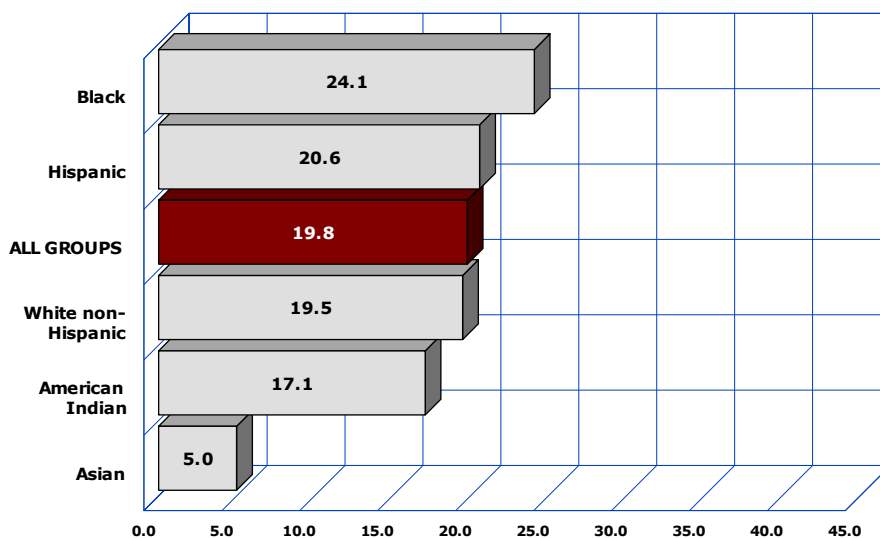
Number of deaths per 100,000 population by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	16.7	16.9	16.6	27.4	7.2	10.6
2011	13.4	14.4	13.6	20.2	9.9	14.3
% change from 2001	-19.8	-14.8	-18.1	-26.3	37.5	34.9



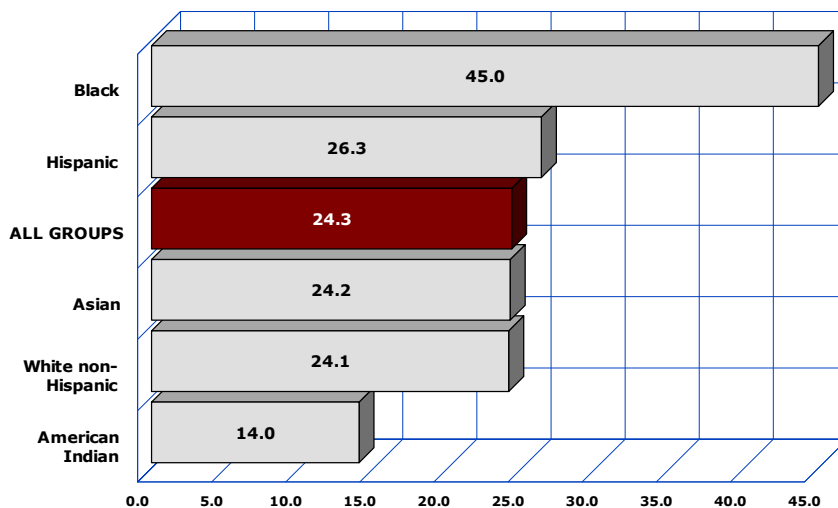
## 5-11 PROSTATE CANCER

**2011**



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

**2001**

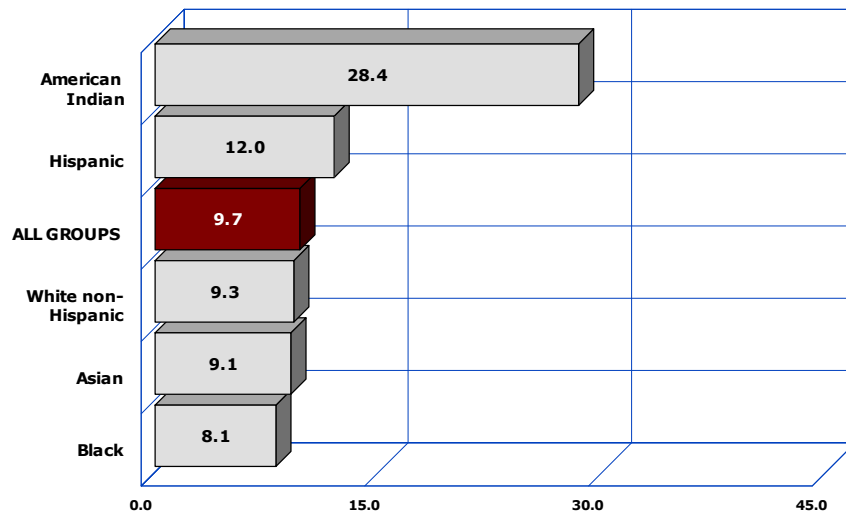


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 males by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>24.3</b>	<b>24.1</b>	<b>26.3</b>	<b>45.0</b>	<b>14.0</b>	<b>24.2</b>
<b>2011</b>	<b>19.8</b>	<b>19.5</b>	<b>20.6</b>	<b>24.1</b>	<b>17.1</b>	<b>5.0</b>
<b>% change from 2001</b>	<b>-18.5</b>	<b>-19.1</b>	<b>-21.7</b>	<b>-46.4</b>	<b>22.1</b>	<b>-79.3</b>

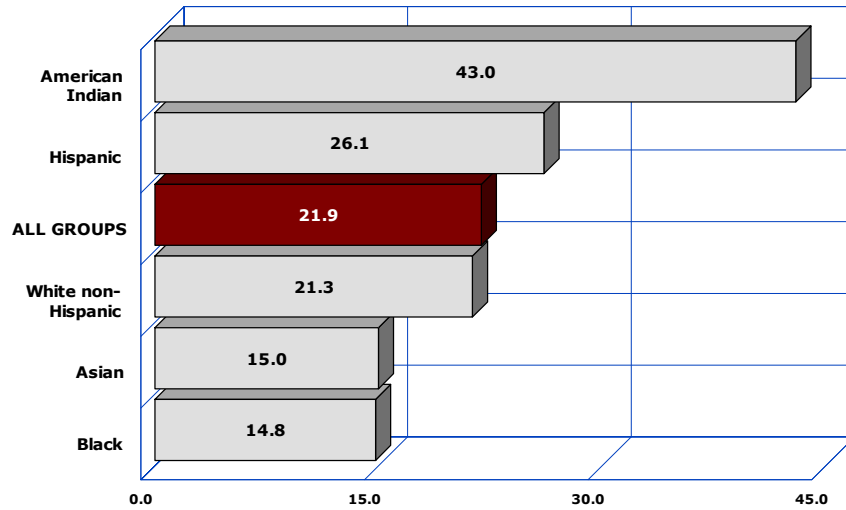
## 5-12 INFLUENZA AND PNEUMONIA

**2011**



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

**2001**

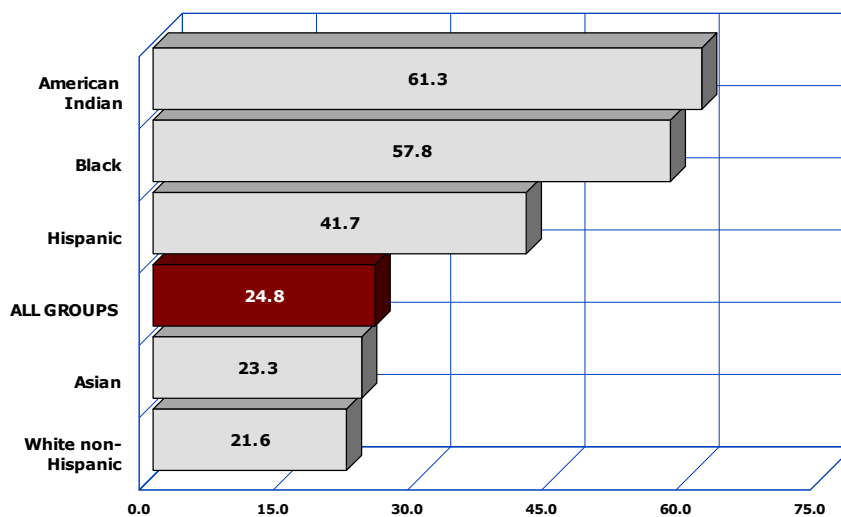


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>21.9</b>	<b>21.3</b>	<b>26.1</b>	<b>14.8</b>	<b>43.0</b>	<b>15.0</b>
<b>2011</b>	<b>9.7</b>	<b>9.3</b>	<b>12.0</b>	<b>8.1</b>	<b>28.4</b>	<b>9.1</b>
<b>% change from 2001</b>	<b>-55.7</b>	<b>-56.3</b>	<b>-54.0</b>	<b>-45.3</b>	<b>-34.0</b>	<b>-39.3</b>

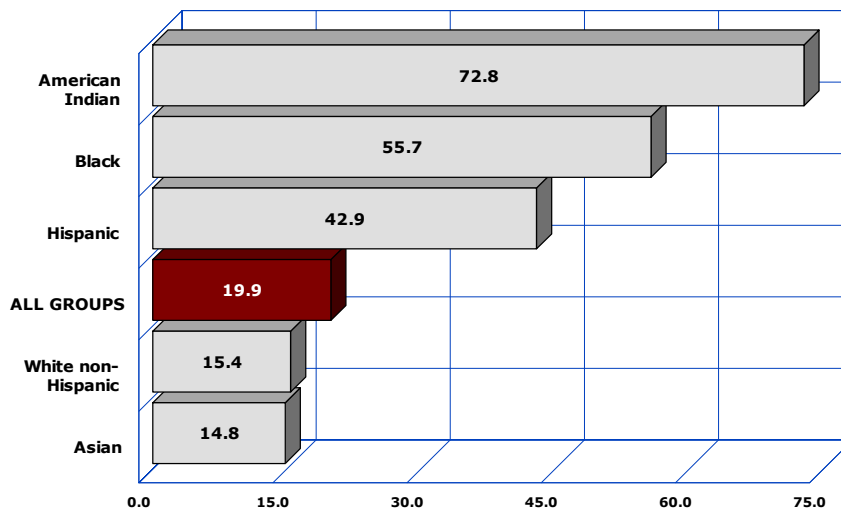
## 5-13 DIABETES

**2011**



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

**2001**

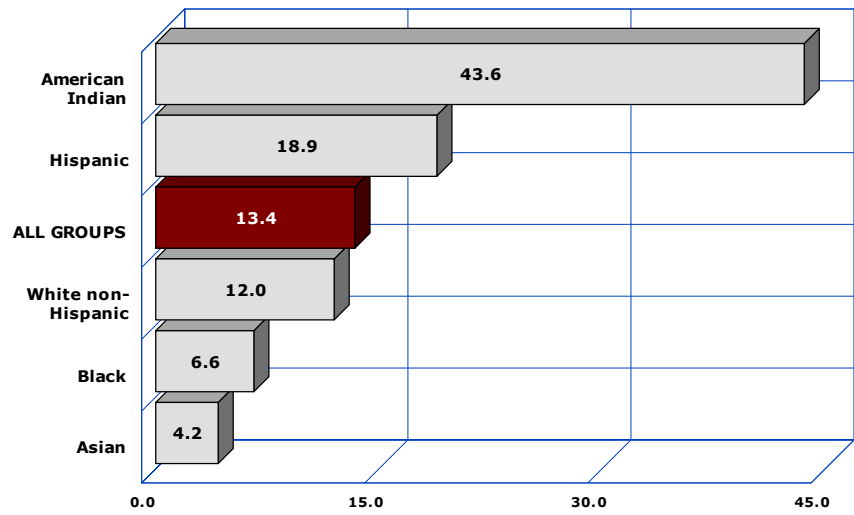


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>19.9</b>	<b>15.4</b>	<b>42.9</b>	<b>55.7</b>	<b>72.8</b>	<b>14.8</b>
<b>2011</b>	<b>24.8</b>	<b>21.6</b>	<b>41.7</b>	<b>57.8</b>	<b>61.3</b>	<b>23.3</b>
<b>% change from 2001</b>	<b>24.6</b>	<b>40.3</b>	<b>-2.8</b>	<b>3.8</b>	<b>-15.8</b>	<b>57.4</b>

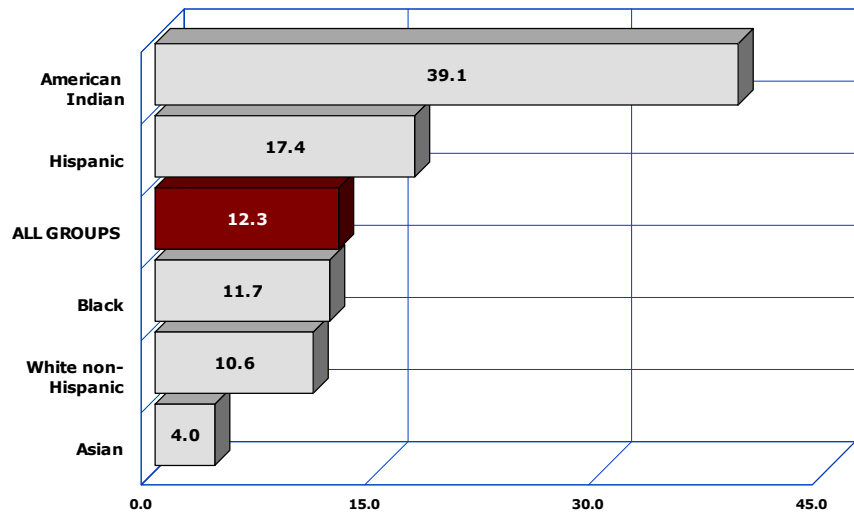
## 5-14 CHRONIC LIVER DISEASE AND CIRRHOSIS

**2011**



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

**2001**

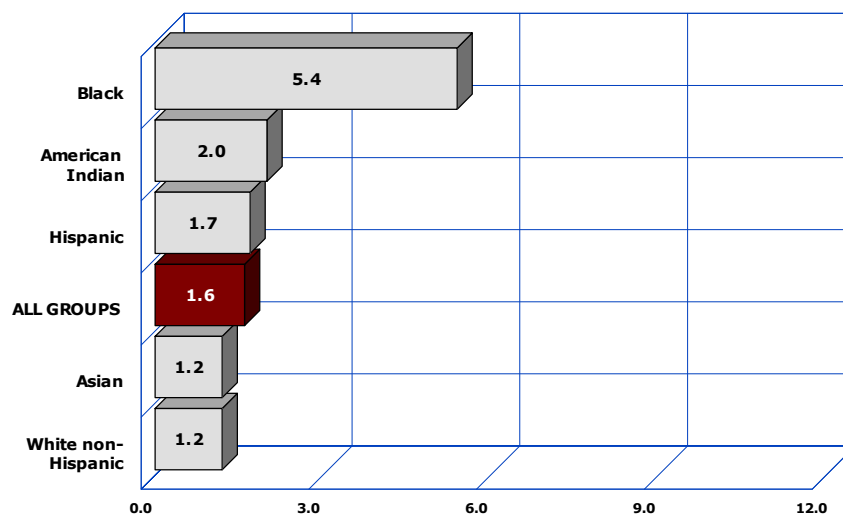


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>12.3</b>	<b>10.6</b>	<b>17.4</b>	<b>11.7</b>	<b>39.1</b>	<b>4.0</b>
<b>2011</b>	<b>13.4</b>	<b>12.0</b>	<b>18.9</b>	<b>6.6</b>	<b>43.6</b>	<b>4.2</b>
<b>% change from 2001</b>	<b>8.9</b>	<b>13.2</b>	<b>8.6</b>	<b>-43.6</b>	<b>11.5</b>	<b>5.0</b>

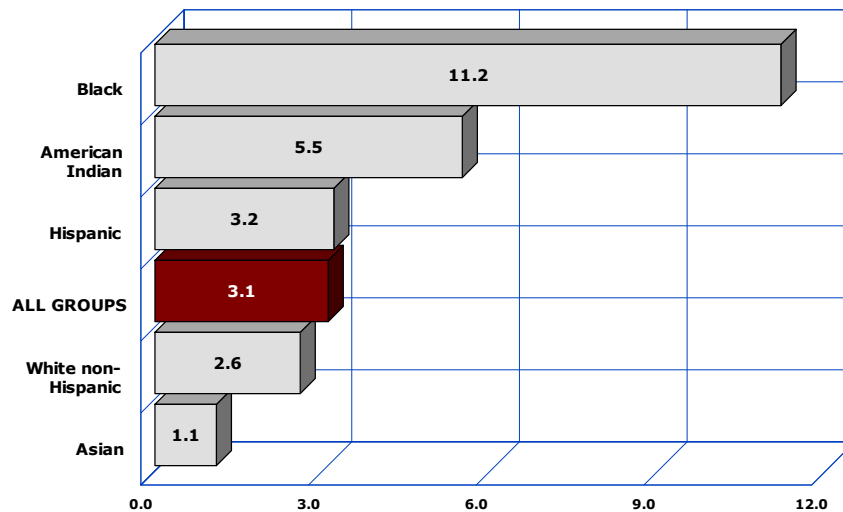
## 5-15 HIV DISEASE

**2011**



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

**2001**

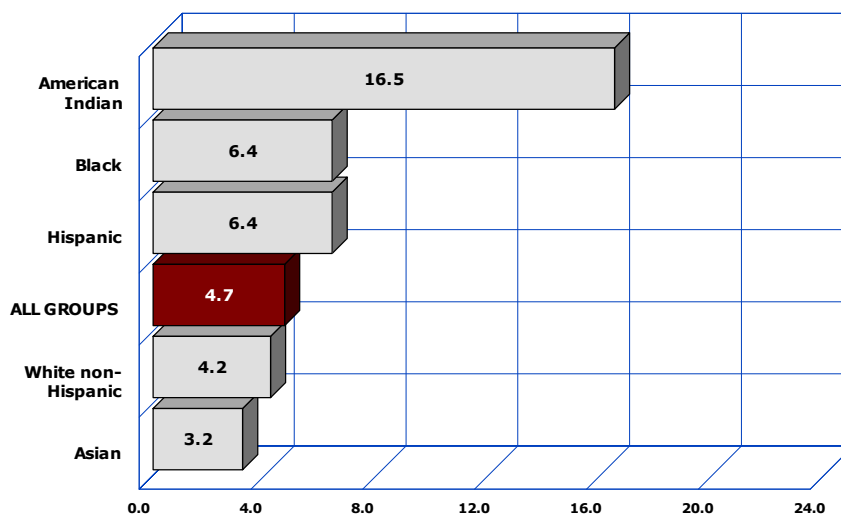


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>3.1</b>	<b>2.6</b>	<b>3.2</b>	<b>11.2</b>	<b>5.5</b>	<b>1.1</b>
<b>2011</b>	<b>1.6</b>	<b>1.2</b>	<b>1.7</b>	<b>5.4</b>	<b>2.0</b>	<b>1.2</b>
<b>% change from 2001</b>	<b>-48.4</b>	<b>-53.8</b>	<b>-46.9</b>	<b>-51.8</b>	<b>-63.6</b>	<b>9.1</b>

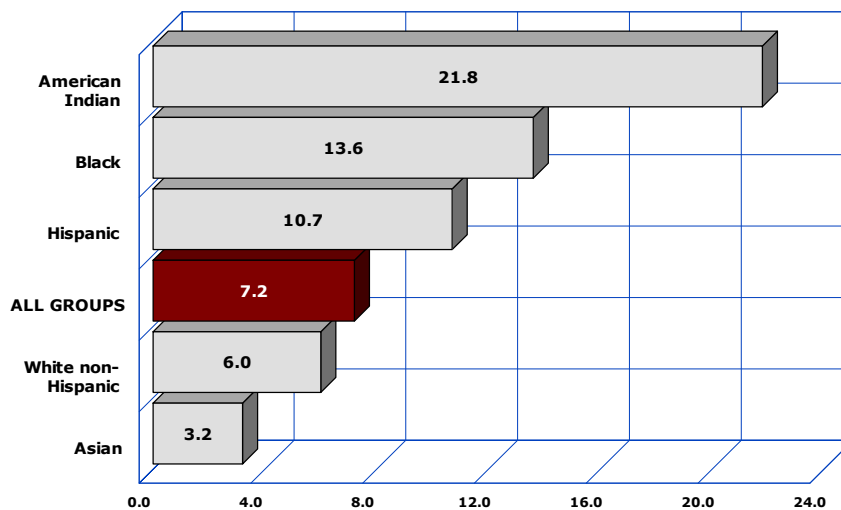
## 5-16 SEPTICEMIA

**2011**



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

**2001**

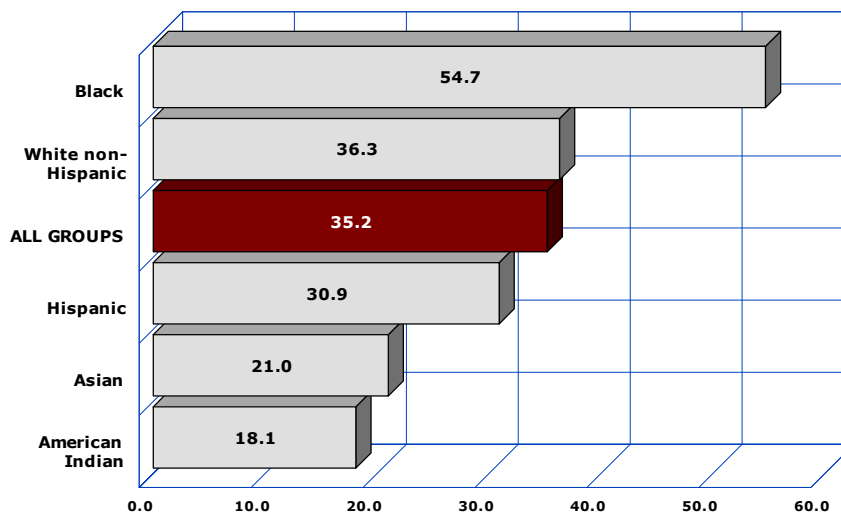


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>7.2</b>	<b>6.0</b>	<b>10.7</b>	<b>13.6</b>	<b>21.8</b>	<b>3.2</b>
<b>2011</b>	<b>4.7</b>	<b>4.2</b>	<b>6.4</b>	<b>6.4</b>	<b>16.5</b>	<b>3.2</b>
<b>% change from 2001</b>	<b>-34.7</b>	<b>-30.0</b>	<b>-40.2</b>	<b>-52.9</b>	<b>-24.3</b>	<b>0.0</b>

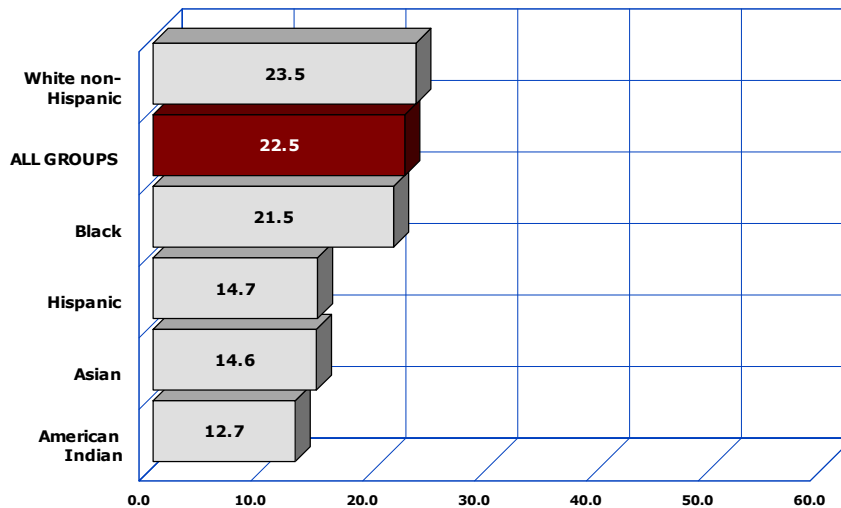
## 5-17 ALZHEIMER'S DISEASE

**2011**



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

**2001**

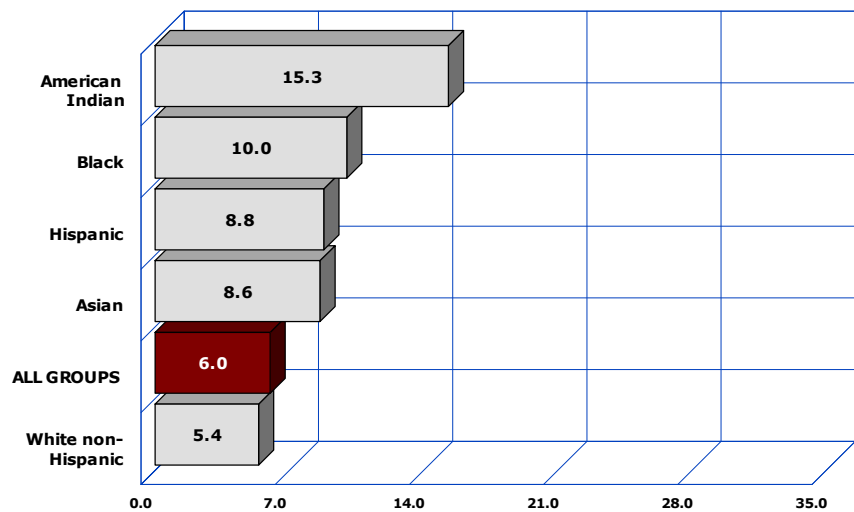


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>22.5</b>	<b>23.5</b>	<b>14.7</b>	<b>21.5</b>	<b>12.7</b>	<b>14.6</b>
<b>2011</b>	<b>35.2</b>	<b>36.3</b>	<b>30.9</b>	<b>54.7</b>	<b>18.1</b>	<b>21.0</b>
<b>% change from 2001</b>	<b>56.4</b>	<b>54.5</b>	<b>110.2</b>	<b>154.4</b>	<b>42.5</b>	<b>43.8</b>

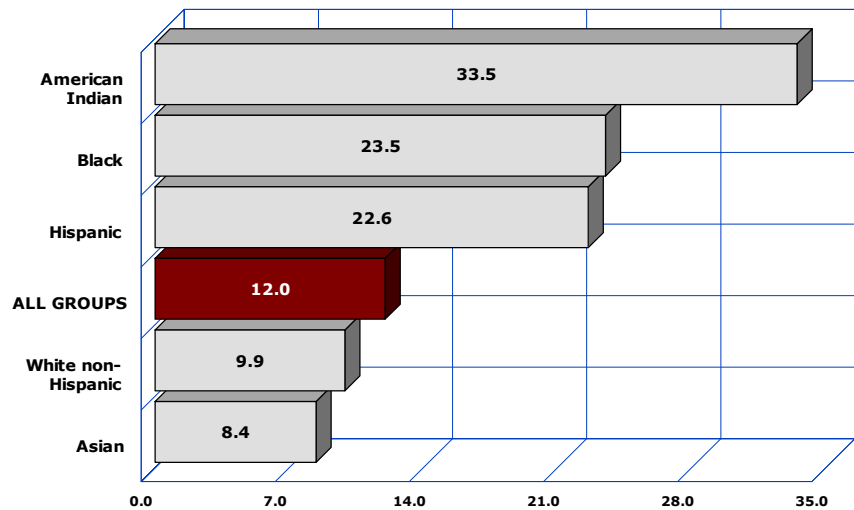
## 5-18 NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS

2011



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

2001



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

### COMPARATIVE RATES FOR 2001 AND 2011

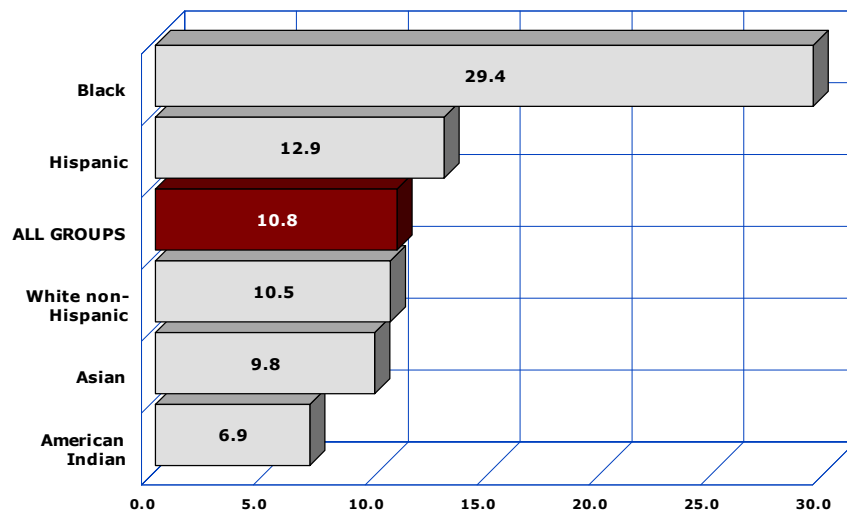
Number of deaths per 100,000 population by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	12.0	9.9	22.6	23.5	33.5	8.4
2011	6.0	5.4	8.8	10.0	15.3	8.6
% change from 2001	-50.0	-45.5	-61.1	-57.4	-54.3	2.4



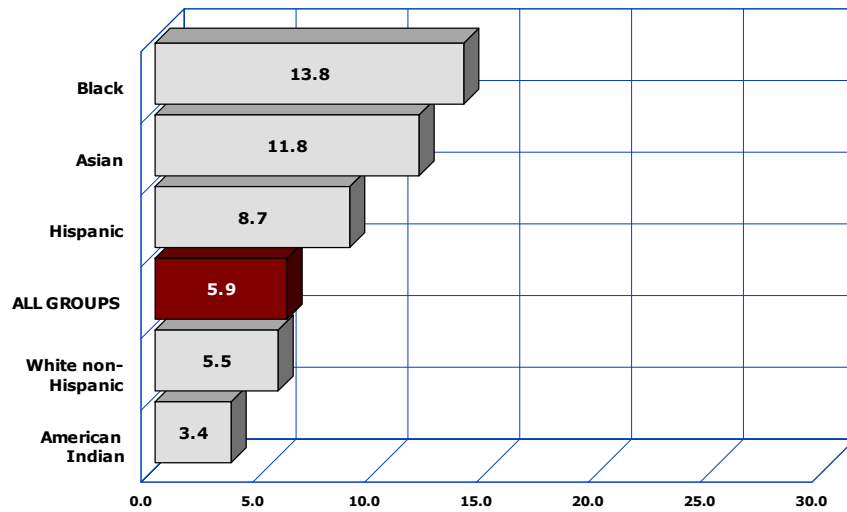
## 5-19 ESSENTIAL (PRIMARY) HYPERTENSION

**2011**



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

**2001**

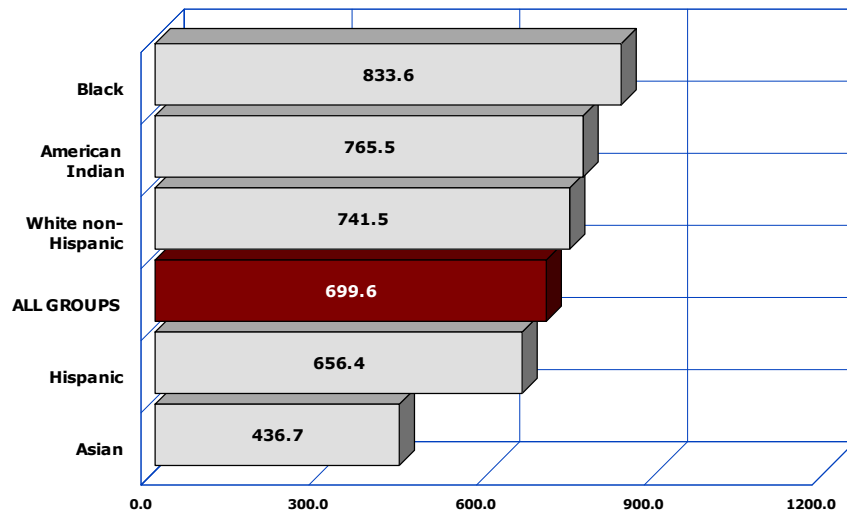


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>5.9</b>	<b>5.5</b>	<b>8.7</b>	<b>13.8</b>	<b>3.4</b>	<b>11.8</b>
<b>2011</b>	<b>10.8</b>	<b>10.5</b>	<b>12.9</b>	<b>29.4</b>	<b>6.9</b>	<b>9.8</b>
<b>% change from 2001</b>	<b>83.1</b>	<b>90.9</b>	<b>48.3</b>	<b>113.0</b>	<b>102.9</b>	<b>-16.9</b>

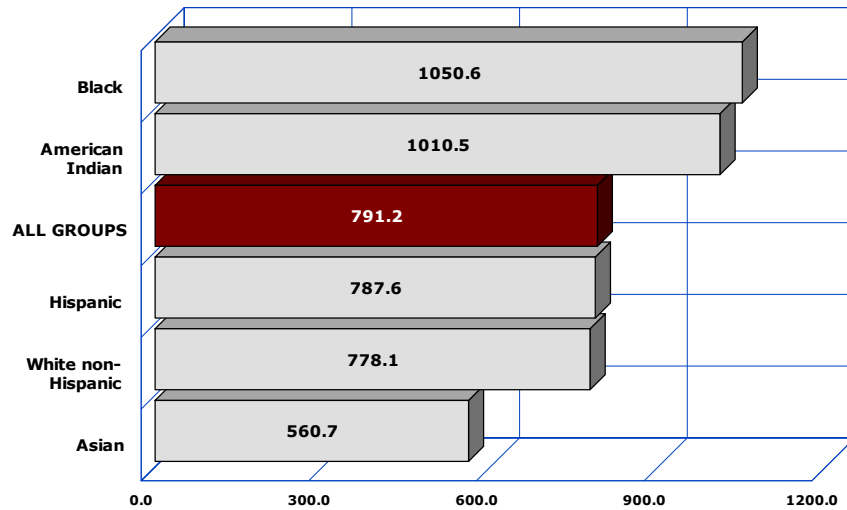
## 5-20 TOTAL MORTALITY FROM ALL CAUSES

**2011**



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

**2001**



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

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>791.2</b>	<b>778.1</b>	<b>787.6</b>	<b>1050.6</b>	<b>1010.5</b>	<b>560.7</b>
<b>2011</b>	<b>699.6</b>	<b>741.5</b>	<b>656.4</b>	<b>833.6</b>	<b>765.5</b>	<b>436.7</b>
<b>% change from 2001</b>	<b>-11.6</b>	<b>-4.7</b>	<b>-16.7</b>	<b>-20.7</b>	<b>-24.2</b>	<b>-22.1</b>

# 6

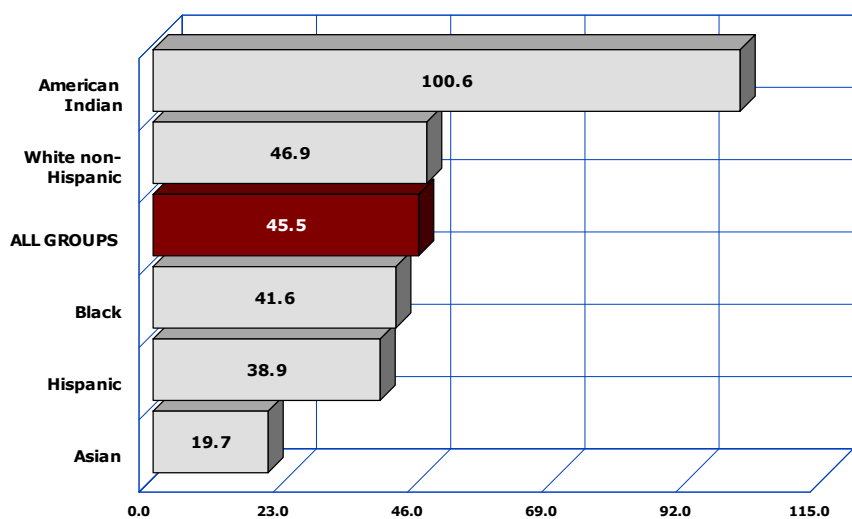
## **Mortality from Injuries**

- 6-1 Unintentional Injuries**
- 6-2 Motor Vehicle-Related Injuries**
- 6-3 Fall-Related Injuries**
- 6-4 Drowning**
- 6-5 Injury by Firearms**
- 6-6 Drug-Induced**
- 6-7 Alcohol-Induced**
- 6-8 Intentional Self-Harm (suicide)**
- 6-9 Assault (homicide)**



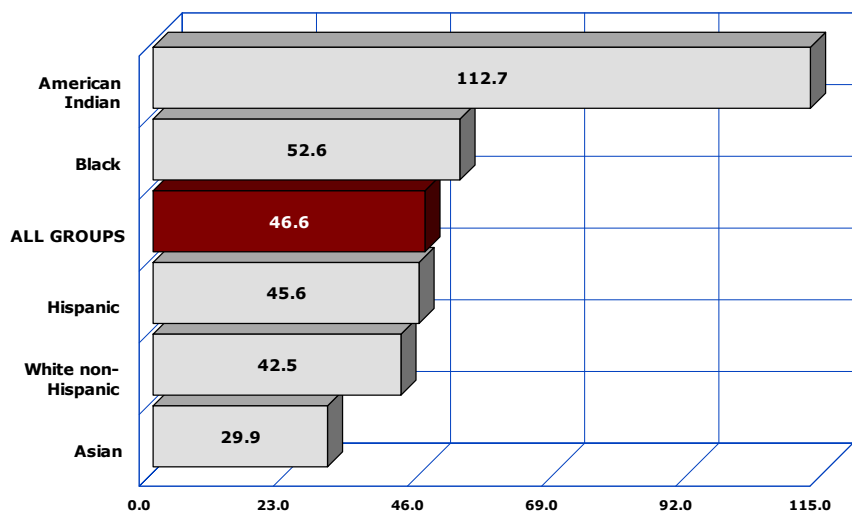
## 6-1 UNINTENTIONAL INJURIES

2011



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

2001



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

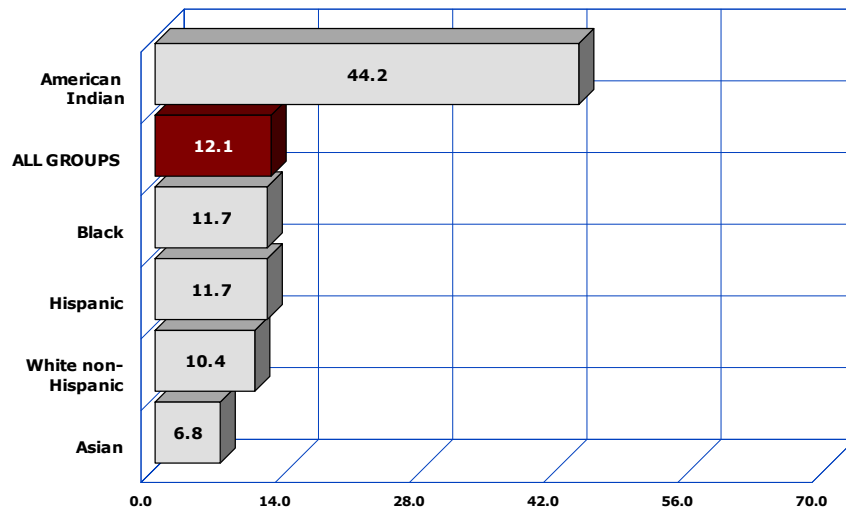
### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 population by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	46.6	42.5	45.6	52.6	112.7	29.9
2011	45.5	46.9	38.9	41.6	100.6	19.7
% change from 2001	-2.4	10.4	-14.7	-20.9	-10.7	-34.1

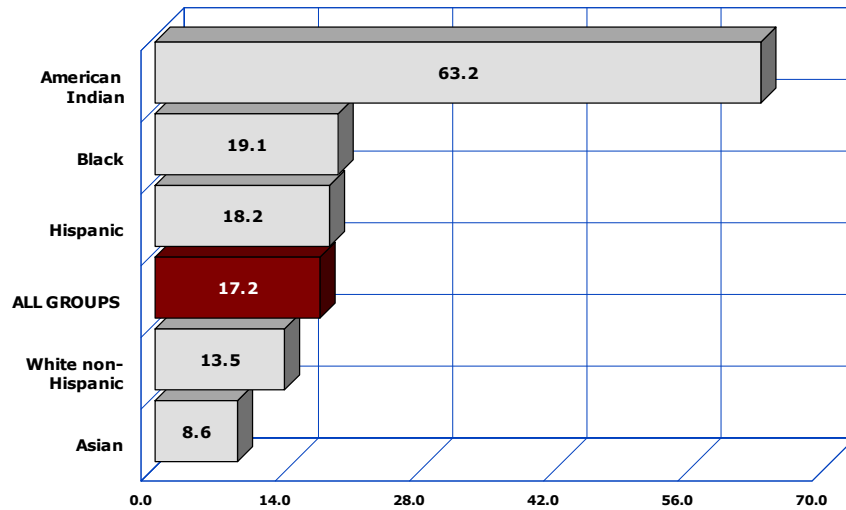
## 6-2 MOTOR VEHICLE-RELATED INJURIES

2011



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

2001



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

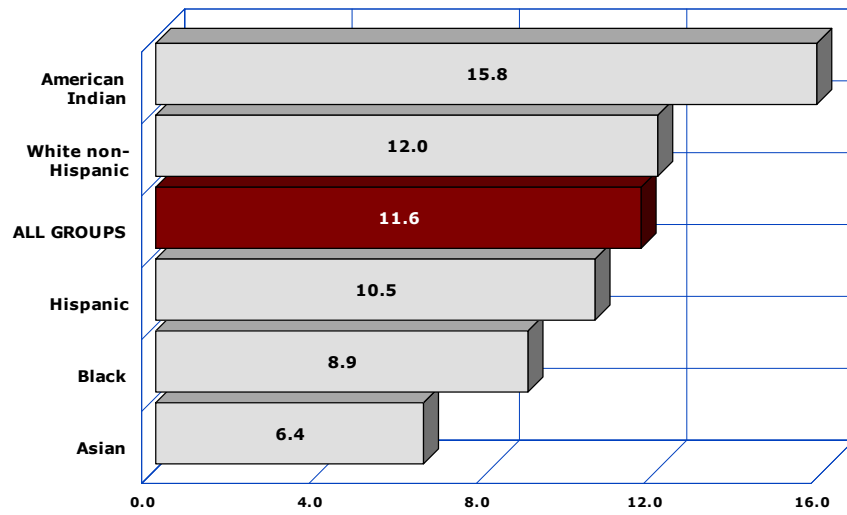
### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 population by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	17.2	13.5	18.2	19.1	63.2	8.6
2011	12.1	10.4	11.7	11.7	44.2	6.8
% change from 2001	-29.7	-23.0	-35.7	-38.7	-30.1	-20.9

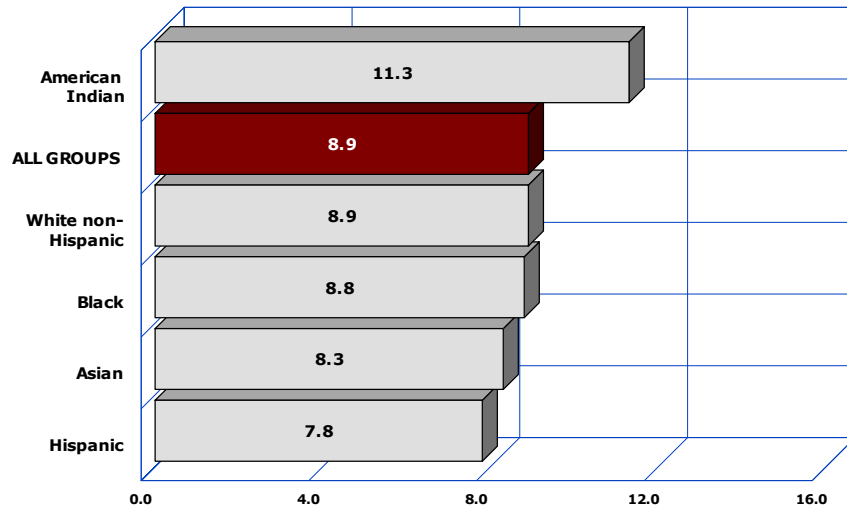
## 6-3 FALL-RELATED INJURIES

**2011**



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

**2001**

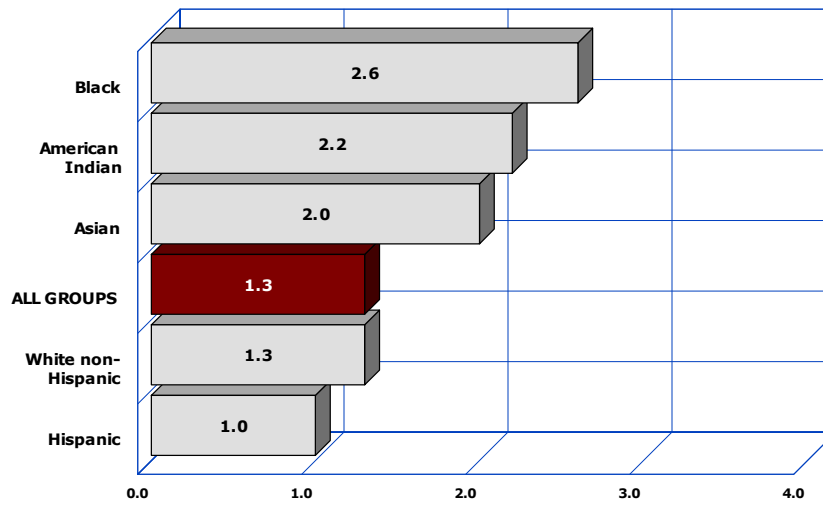


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>8.9</b>	<b>8.9</b>	<b>7.8</b>	<b>8.8</b>	<b>11.3</b>	<b>8.3</b>
<b>2011</b>	<b>11.6</b>	<b>12.0</b>	<b>10.5</b>	<b>8.9</b>	<b>15.8</b>	<b>6.4</b>
<b>% change from 2001</b>	<b>30.3</b>	<b>34.8</b>	<b>34.6</b>	<b>1.1</b>	<b>39.8</b>	<b>-22.9</b>

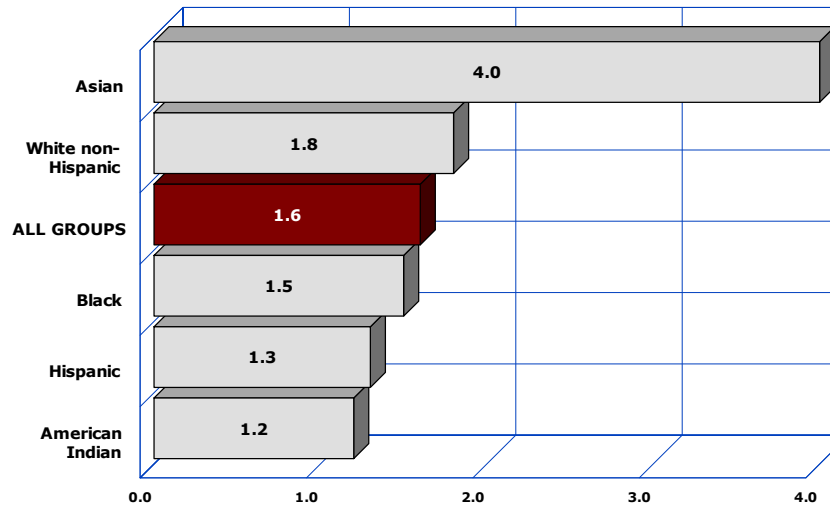
## 6-4 DROWNING

**2011**



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

**2001**



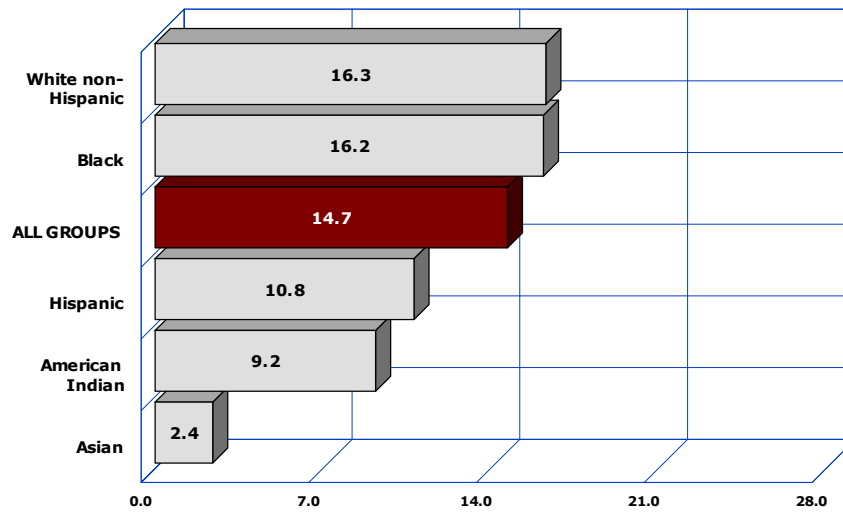
Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>1.6</b>	<b>1.8</b>	<b>1.3</b>	<b>1.5</b>	<b>1.2</b>	<b>4.0</b>
<b>2011</b>	<b>1.3</b>	<b>1.3</b>	<b>1.0</b>	<b>2.6</b>	<b>2.2</b>	<b>2.0</b>
<b>% change from 2001</b>	<b>-18.8</b>	<b>-27.8</b>	<b>-23.1</b>	<b>73.3</b>	<b>83.3</b>	<b>-50.0</b>



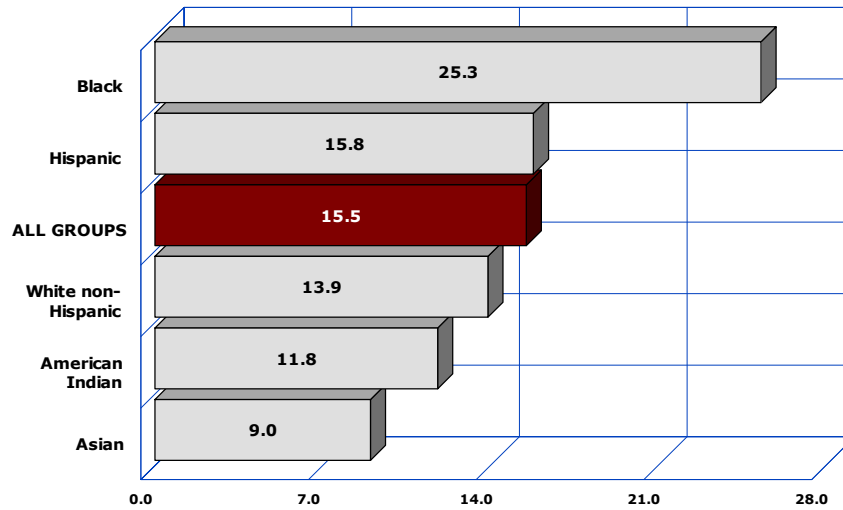
## 6-5 FIREARM-RELATED

**2011**



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

**2001**



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

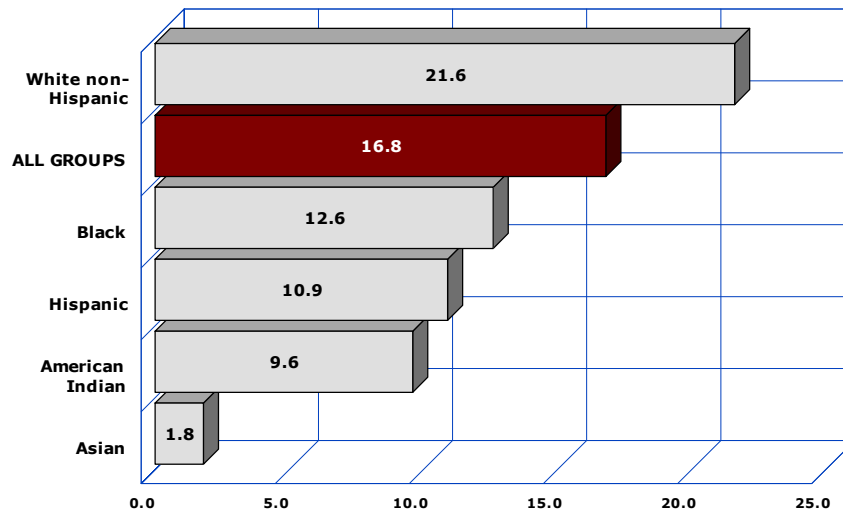
### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 population by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>2001</b>	<b>15.5</b>	<b>13.9</b>	<b>15.8</b>	<b>25.3</b>	<b>11.8</b>	<b>9.0</b>
<b>2011</b>	<b>14.7</b>	<b>16.3</b>	<b>10.8</b>	<b>16.2</b>	<b>9.2</b>	<b>2.4</b>
<b>% change from 2001</b>	<b>-5.2</b>	<b>17.3</b>	<b>-31.6</b>	<b>-36.0</b>	<b>-22.0</b>	<b>-73.3</b>

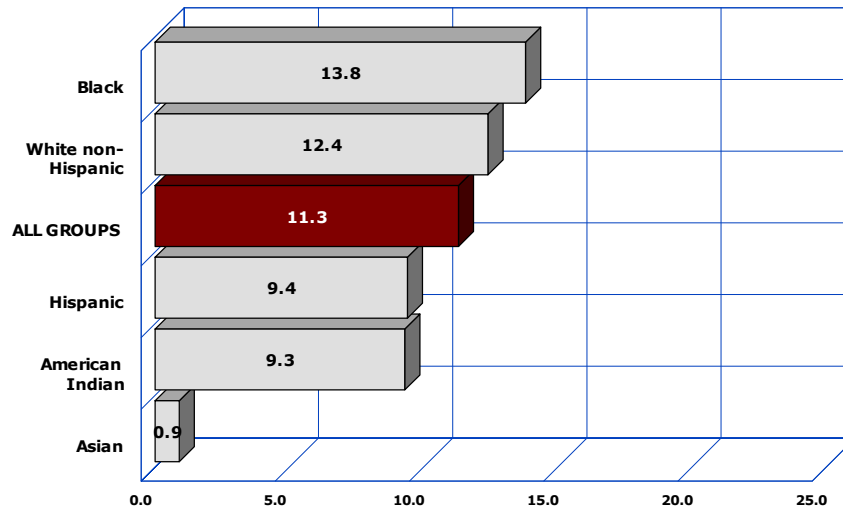
## 6-6 DRUG-INDUCED

**2011**



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

**2001**

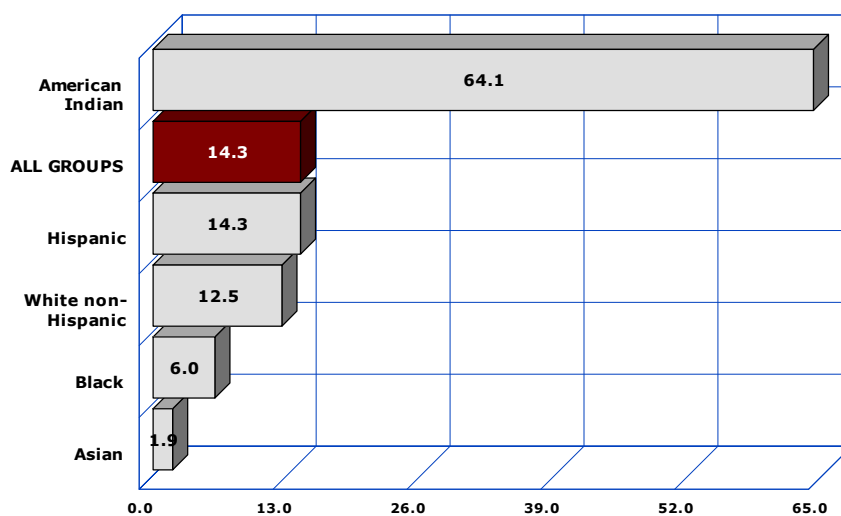


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>2001</b>	<b>11.3</b>	<b>12.4</b>	<b>9.4</b>	<b>13.8</b>	<b>9.3</b>	<b>0.9</b>
<b>2011</b>	<b>16.8</b>	<b>21.6</b>	<b>10.9</b>	<b>12.6</b>	<b>9.6</b>	<b>1.8</b>
<b>% change from 2001</b>	<b>48.7</b>	<b>74.2</b>	<b>16.0</b>	<b>-8.7</b>	<b>3.2</b>	<b>100.0</b>

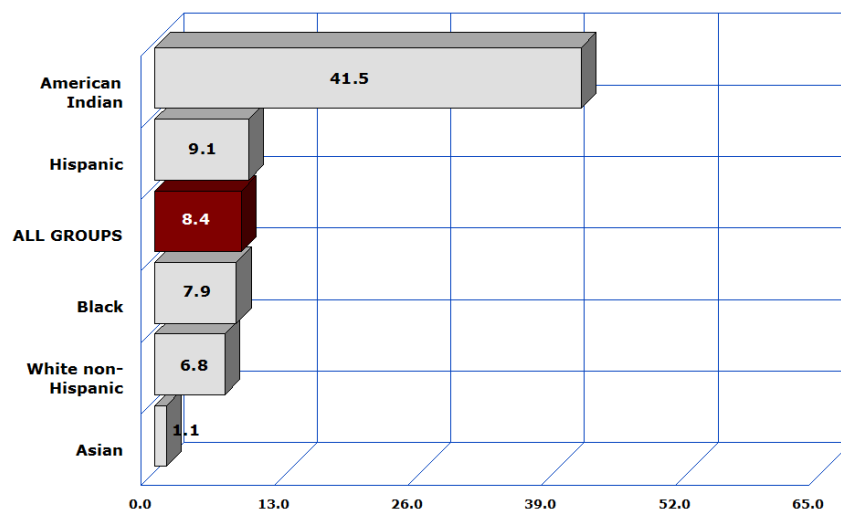
## 6-7 ALCOHOL-INDUCED

**2011**



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

**2001**

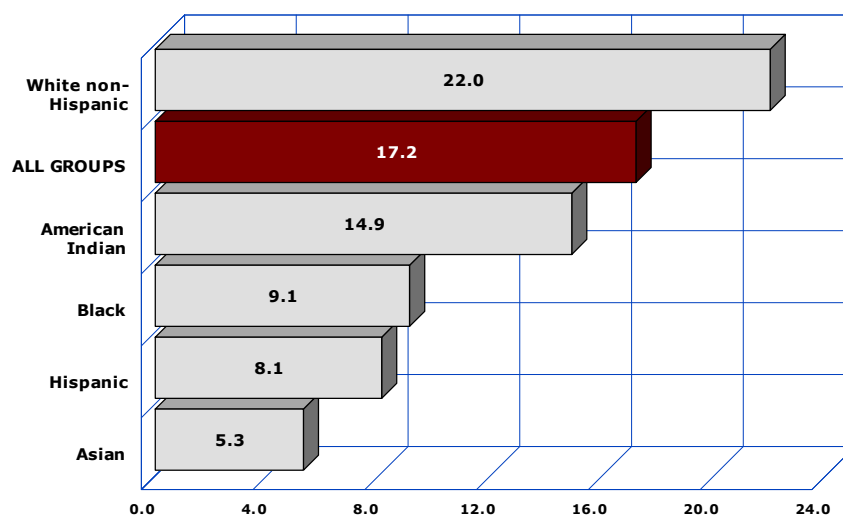


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 population by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>8.4</b>	<b>6.8</b>	<b>9.1</b>	<b>7.9</b>	<b>41.5</b>	<b>1.1</b>
<b>2011</b>	<b>14.3</b>	<b>12.5</b>	<b>14.3</b>	<b>6.0</b>	<b>64.1</b>	<b>1.9</b>
<b>% change from 2001</b>	<b>70.2</b>	<b>83.8</b>	<b>57.1</b>	<b>-24.1</b>	<b>54.5</b>	<b>72.7</b>

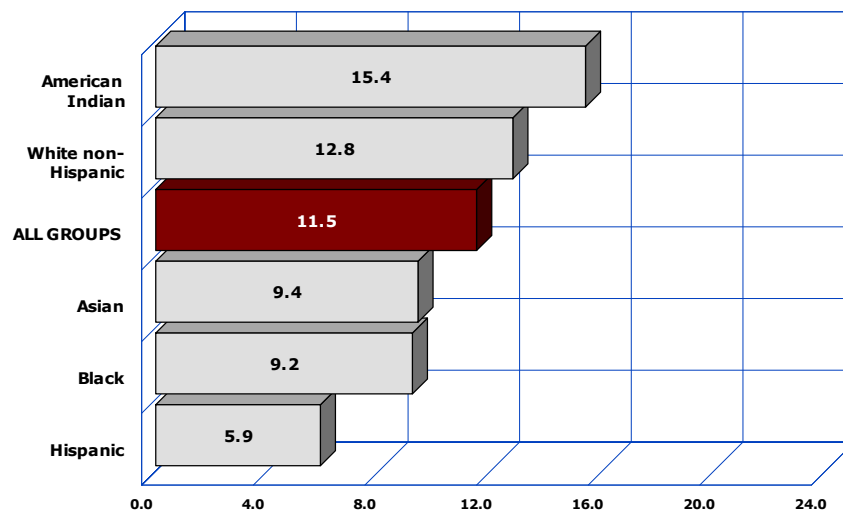
## 6-8 INTENTIONAL SELF-HARM (SUICIDE)

2011



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

2001



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

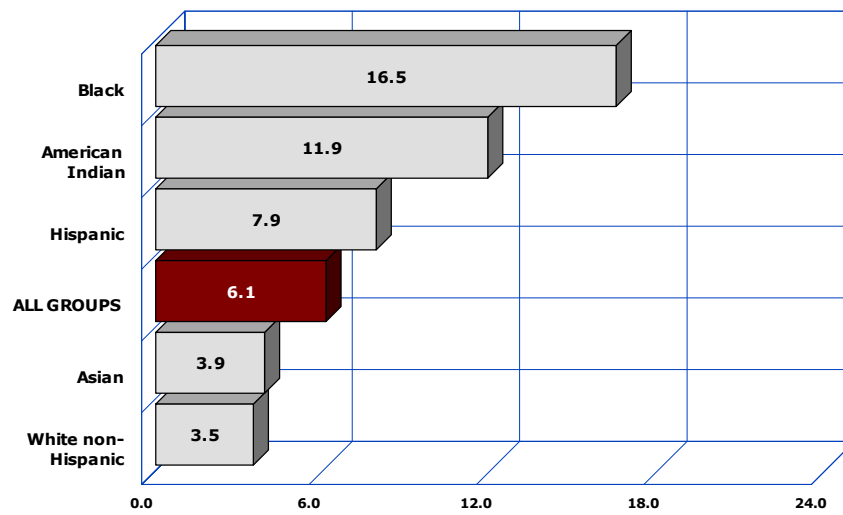
### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 population by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	11.5	12.8	5.9	9.2	15.4	9.4
2011	17.2	22.0	8.1	9.1	14.9	5.3
% change from 2001	49.6	71.9	37.3	-1.1	-3.2	-43.6

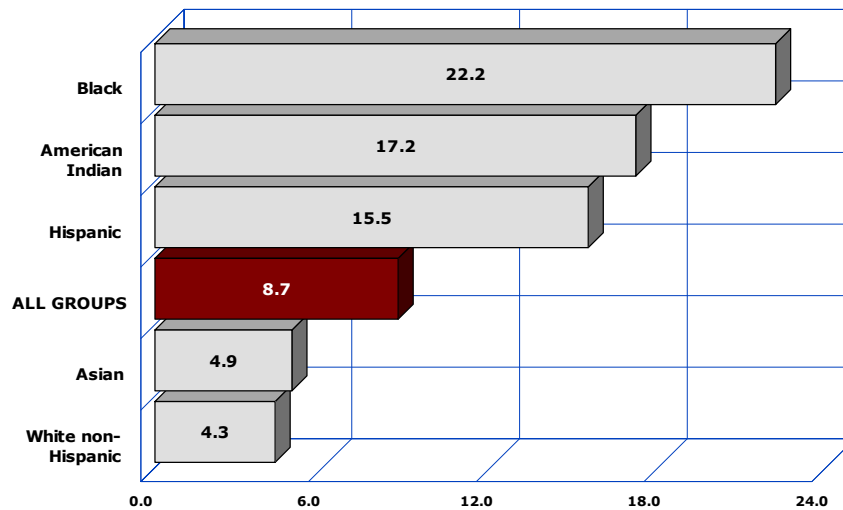
## 6-9 ASSAULT (HOMICIDE)

**2011**



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

**2001**



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

### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 population by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>2001</b>	<b>8.7</b>	<b>4.3</b>	<b>15.5</b>	<b>22.2</b>	<b>17.2</b>	<b>4.9</b>
<b>2011</b>	<b>6.1</b>	<b>3.5</b>	<b>7.9</b>	<b>16.5</b>	<b>11.9</b>	<b>3.9</b>
<b>% change from 2001</b>	<b>-29.9</b>	<b>-18.6</b>	<b>-49.0</b>	<b>-25.7</b>	<b>-30.8</b>	<b>-20.4</b>



# **7**

## **Age-Specific Mortality**

**7-1 Children 1-14 Years Old**

**7-2 Adolescents 15-19 Years Old**

**7-3 Young Adults 20-44 Years Old**

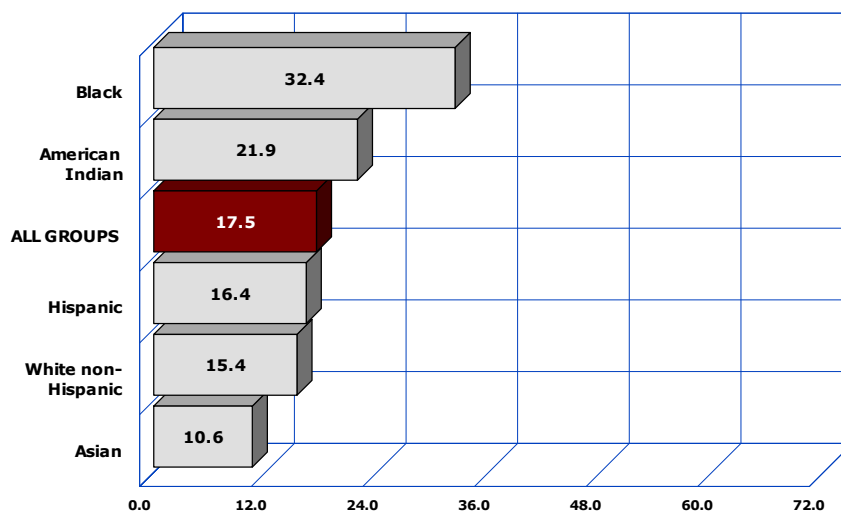
**7-4 Middle-Age Adults 45-64 Years Old**





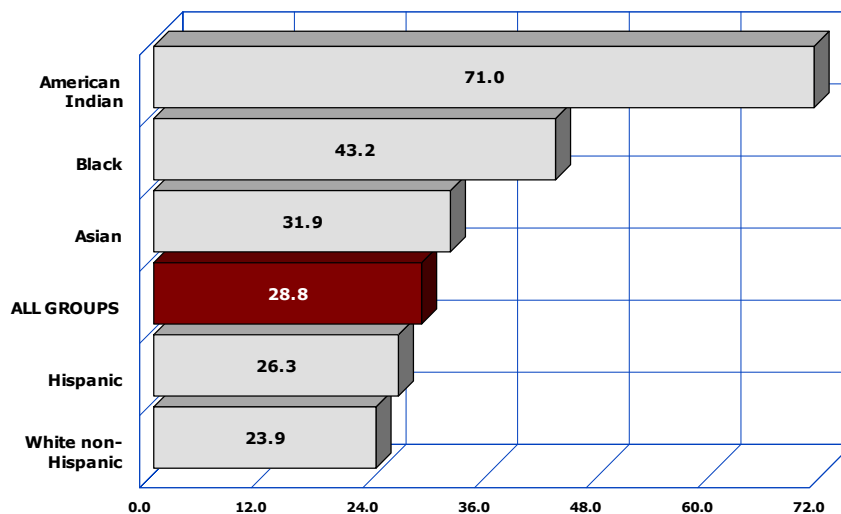
## 7-1 CHILDREN 1-14 YEARS OLD

**2011**



Note: Number of deaths per 100,000 children 1-14 years.

**2001**

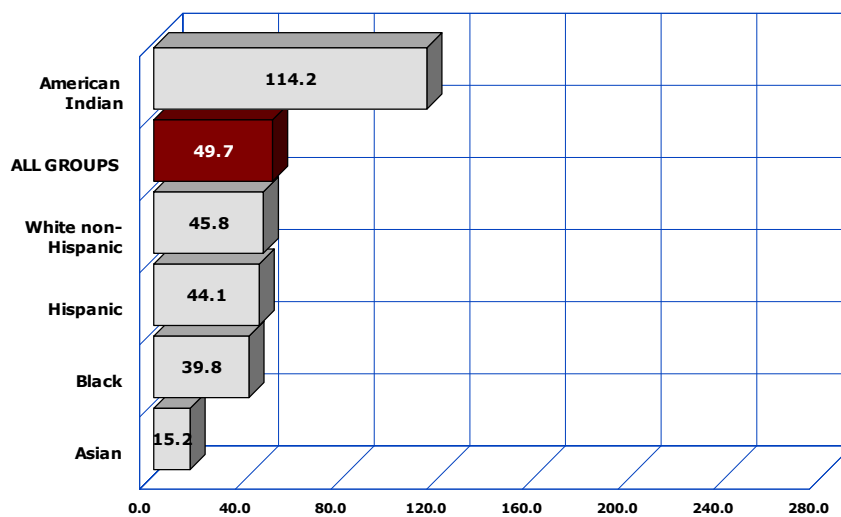


Note: Number of deaths per 100,000 children 1-14 years.

<b>COMPARATIVE RATES FOR 2001 AND 2011</b>						
Number of deaths per 100,000 children 1-14 years old by race/ethnicity						
<b>Year</b>	<b>All groups</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>2001</b>	<b>28.8</b>	<b>23.9</b>	<b>26.3</b>	<b>43.2</b>	<b>71.0</b>	<b>31.9</b>
<b>2011</b>	<b>17.5</b>	<b>15.4</b>	<b>16.4</b>	<b>32.4</b>	<b>21.9</b>	<b>10.6</b>
<b>% change from 2001</b>	<b>-39.2</b>	<b>-35.6</b>	<b>-37.6</b>	<b>-25.0</b>	<b>-69.2</b>	<b>-66.8</b>

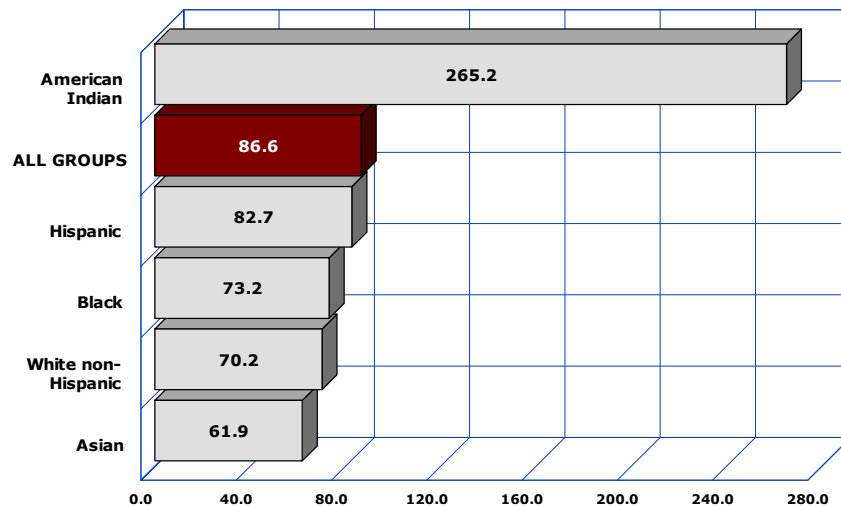
## 7-2 ADOLESCENTS 15-19 YEARS OLD

**2011**



Note: Number of deaths per 100,000 adolescents 15-19 years.

**2001**



Note: Number of deaths per 100,000 adolescents 15-19 years.

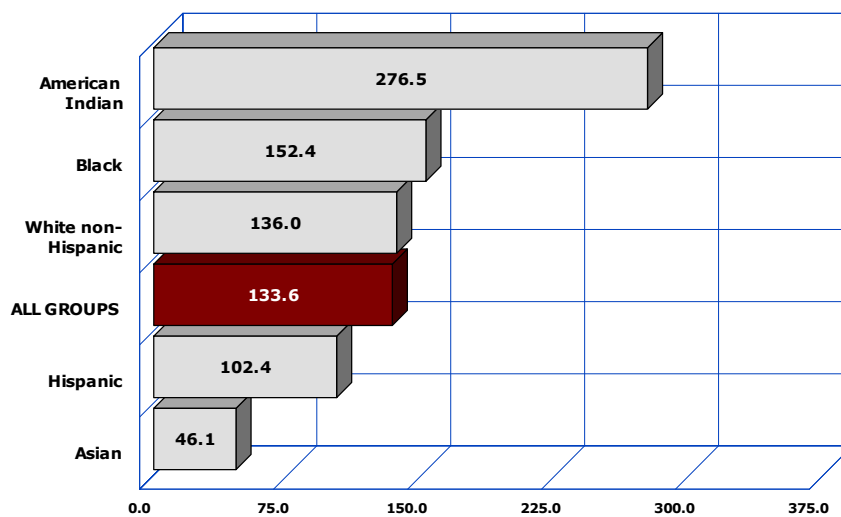
### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 adolescents 15-19 years old by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	86.6	70.2	82.7	73.2	265.2	61.9
2011	49.7	45.8	44.1	39.8	114.2	15.2
% change from 2001	-42.6	-34.8	-46.7	-45.6	-56.9	-75.4

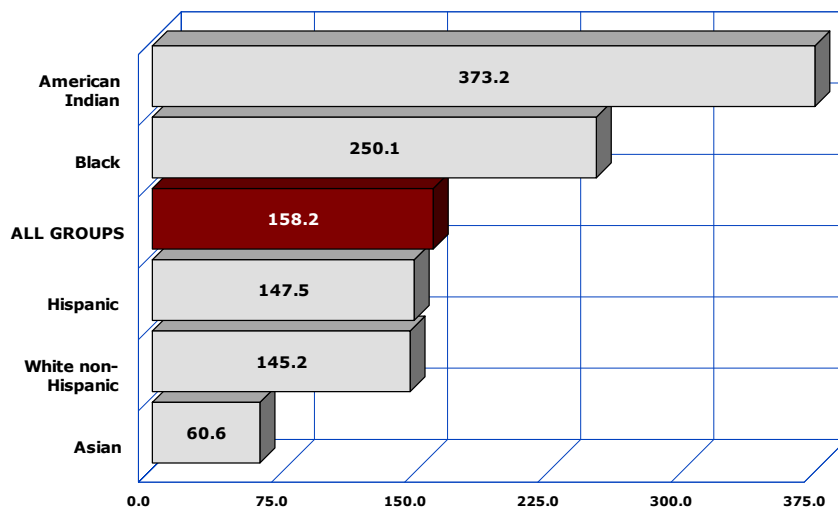
### 7-3 YOUNG ADULTS 20-44 YEARS OLD

2011



Note: Number of deaths per 100,000 young adults 20-44 years.

2001



Note: Number of deaths per 100,000 young adults 20-44 years.

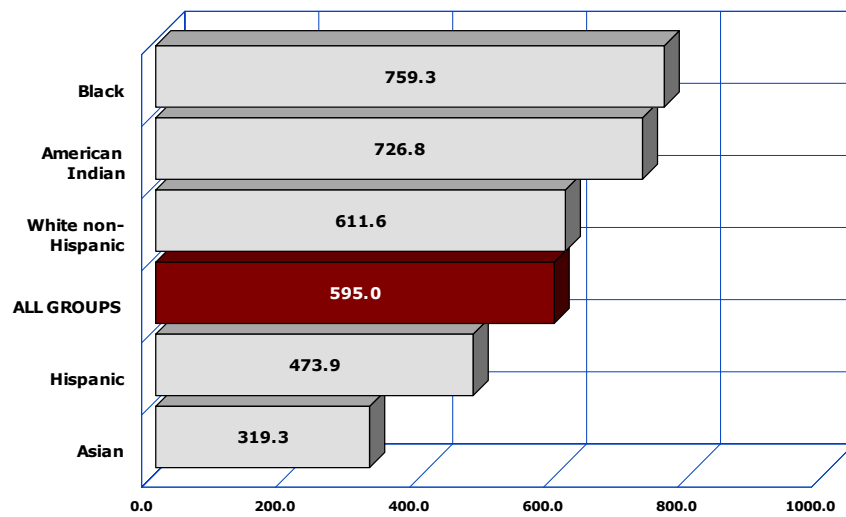
#### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 young adults 20-44 years old by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	158.2	145.2	147.5	250.1	373.2	60.6
2011	133.6	136.0	102.4	152.4	276.5	46.1
% change from 2001	-15.5	-6.3	-30.6	-39.1	-25.9	-23.9

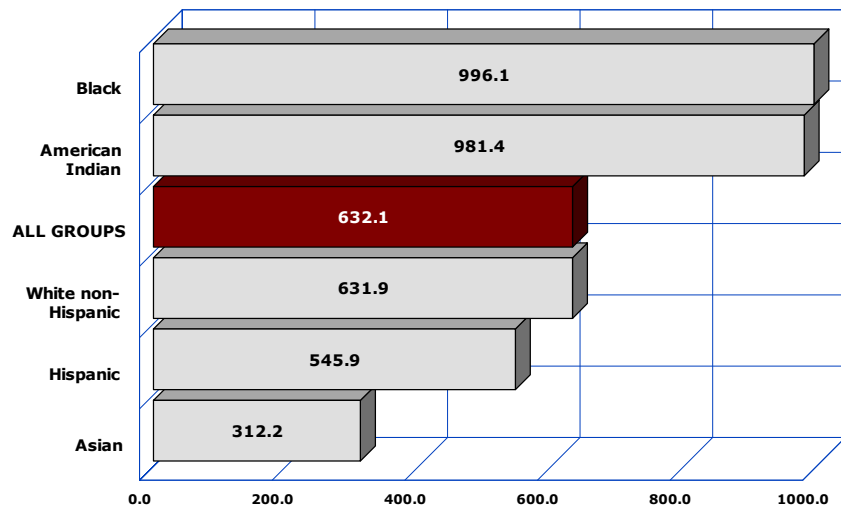
## 7-4 MIDDLE-AGE ADULTS 45-64 YEARS OLD

2011



Note: Number of deaths per 100,000 middle-age adults 45-64 years.

2001



Note: Number of deaths per 100,000 middle-age adults 45-64 years.

### COMPARATIVE RATES FOR 2001 AND 2011

Number of deaths per 100,000 middle-age adults 45-64 years old by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	632.1	631.9	545.9	996.1	981.4	312.2
2011	595.0	611.6	473.9	759.3	726.8	319.3
% change from 2001	-5.9	-3.2	-13.2	-23.8	-25.9	2.3

# **8**

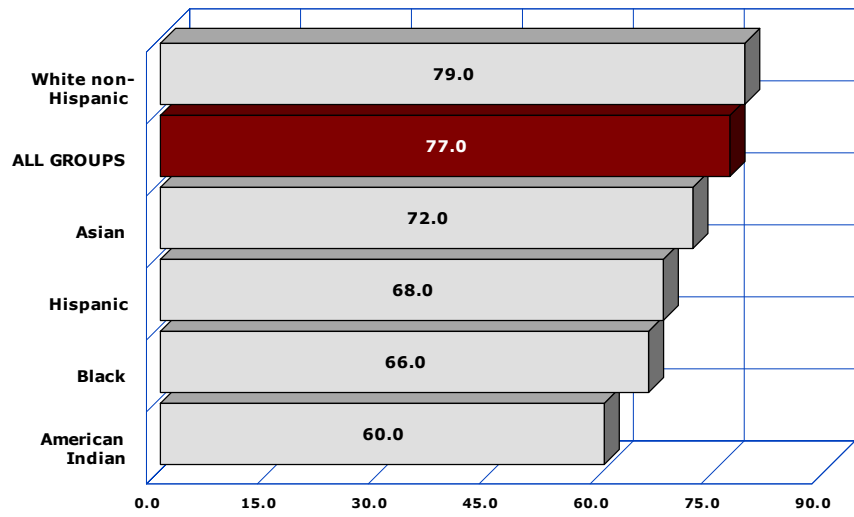
## **Patterns of Premature Mortality**

- 8-1 Median Age At Death From All Causes Among Arizona Residents**
- 8-2 Median Age At Death From All Causes Among Arizona Males**
- 8-3 Median Age At Death From All Causes Among Arizona Females**
- 8-4 Percent of Total Deaths Before Expected Years of Life Reached**

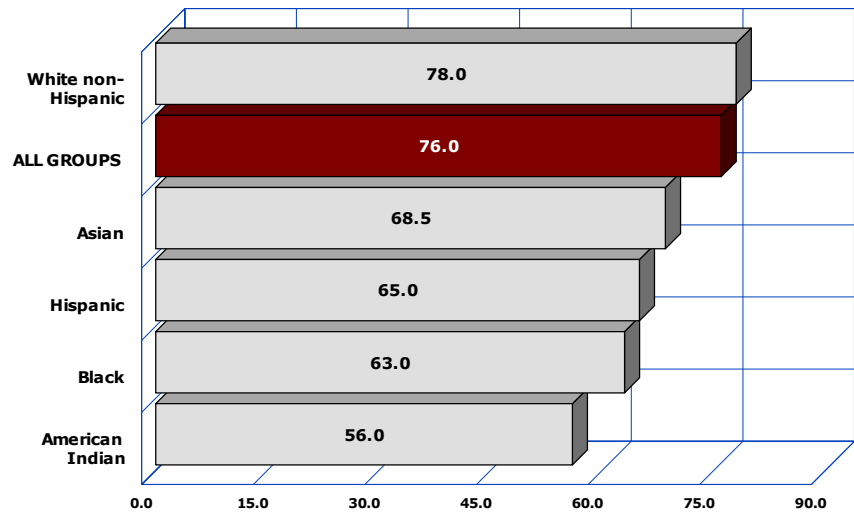


## 8-1 MEDIAN AGE AT DEATH FROM ALL CAUSES

2011



2001



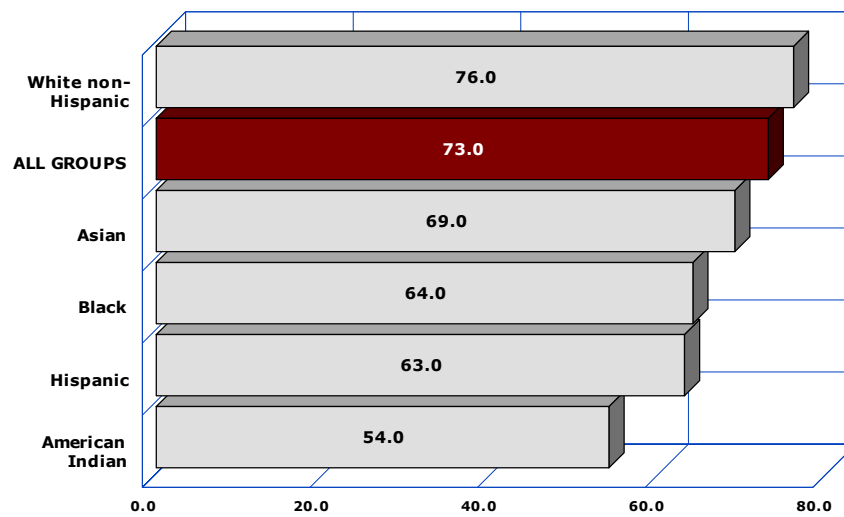
**MEDIAN AGE AT DEATH IN 2001 AND 2011**

By race/ethnicity

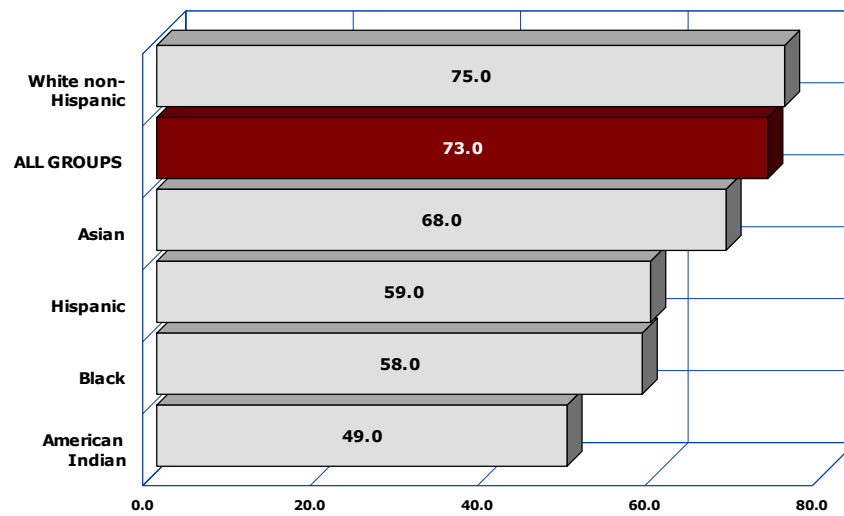
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	76.0	78.0	65.0	63.0	56.0	68.5
2011	77.0	79.0	68.0	66.0	60.0	72.0
% change from 2001	1.3	1.3	4.6	4.8	7.1	5.1

## 8-2 MEDIAN AGE AT DEATH FROM ALL CAUSES AMONG MALES

2011



2001



**MEDIAN AGE AT DEATH AMONG MALES IN 2001 AND 2011**

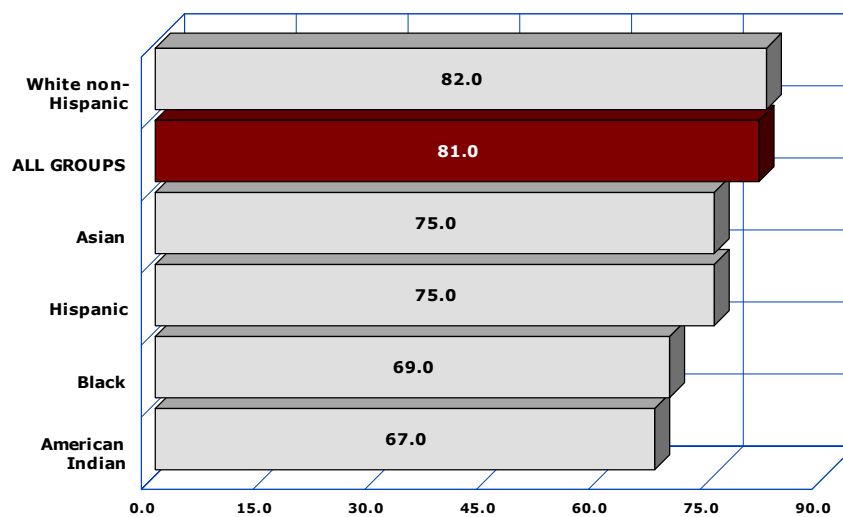
By race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	73.0	75.0	59.0	58.0	49.0	68.0
2011	73.0	76.0	63.0	64.0	54.0	69.0
% change from 2001	0.0	1.3	6.8	10.3	10.2	1.5

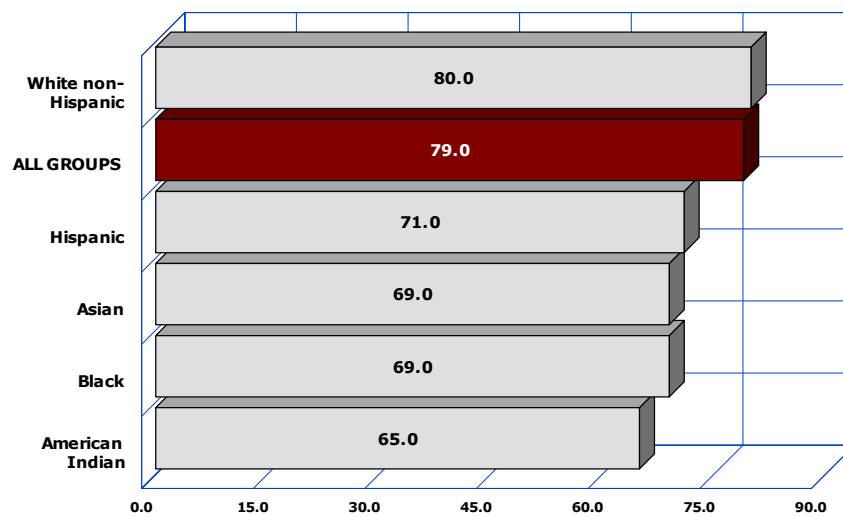


### 8-3 MEDIAN AGE AT DEATH FROM ALL CAUSES AMONG FEMALES

2011



2001

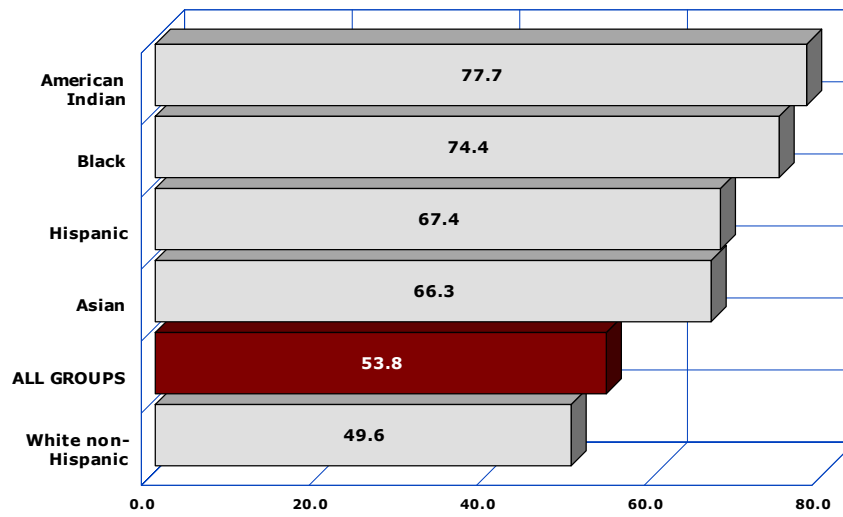


**MEDIAN AGE AT DEATH AMONG FEMALES IN 2001 AND 2011**

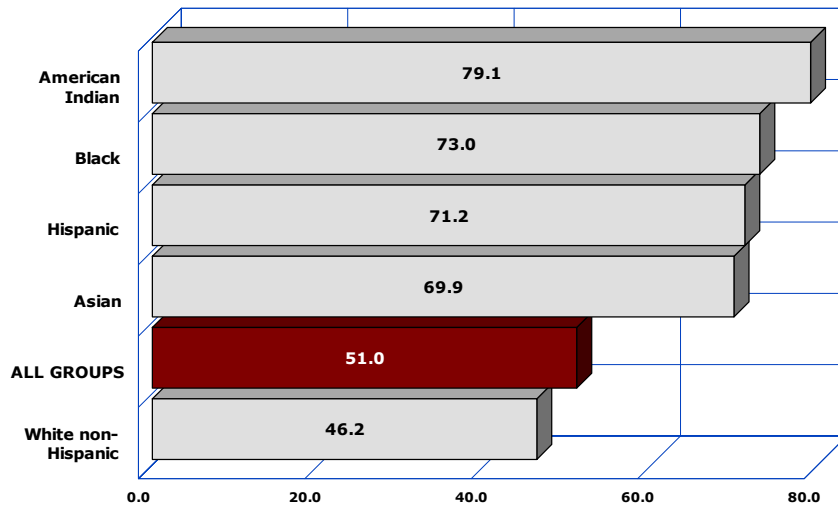
By race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	79.0	80.0	71.0	69.0	65.0	69.0
2011	81.0	82.0	75.0	69.0	67.0	75.0
% change from 2001	2.5	2.5	5.6	0.0	3.1	8.7

**8-4 PERCENT OF TOTAL DEATHS BEFORE EXPECTED YEARS OF LIFE REACHED**

**2011**



**2001**



**DEATHS BEFORE EXPECTED YEARS OF LIFE REACHED IN 2001 AND 2011**

By race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	51.0	46.2	71.2	73.0	79.1	69.9
2011	53.8	49.6	67.4	74.4	77.7	66.3
% change from 2001	5.5	7.4	-5.3	1.9	-1.8	-5.2

# 9

## The Incidence of Reportable Diseases

**9-1 Rates of Early Syphilis**

**9-2 Rates of Gonorrhea**

**9-3 Rates of Chlamydia**

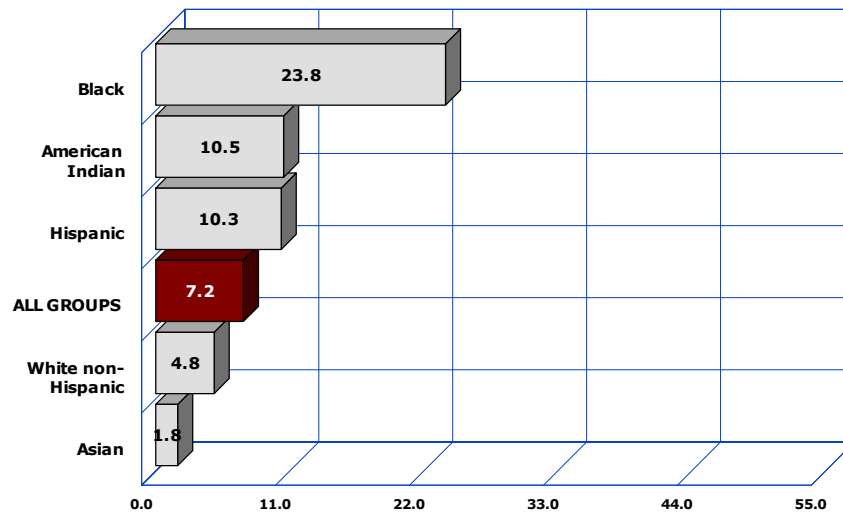
**9-4 Rates of Genital Herpes**

**9-5 Rates of HIV/AIDS**

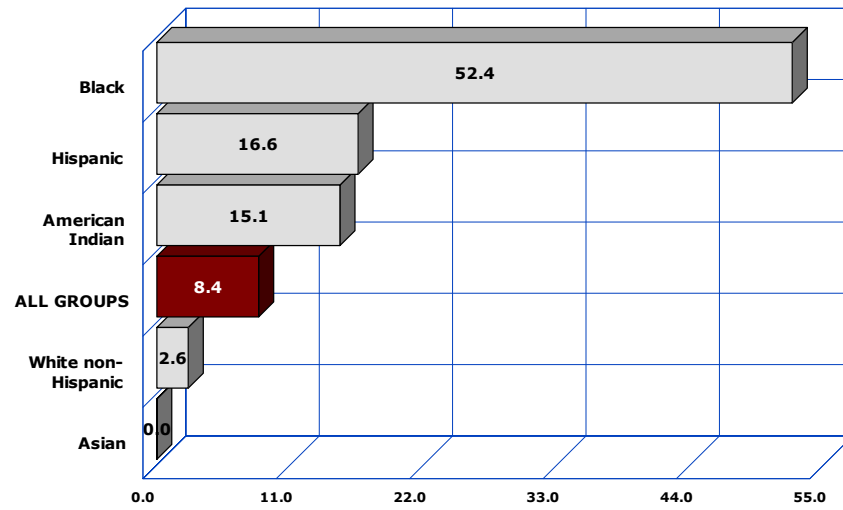


## 9-1 RATES OF EARLY SYPHILIS

**2011**



**2001**

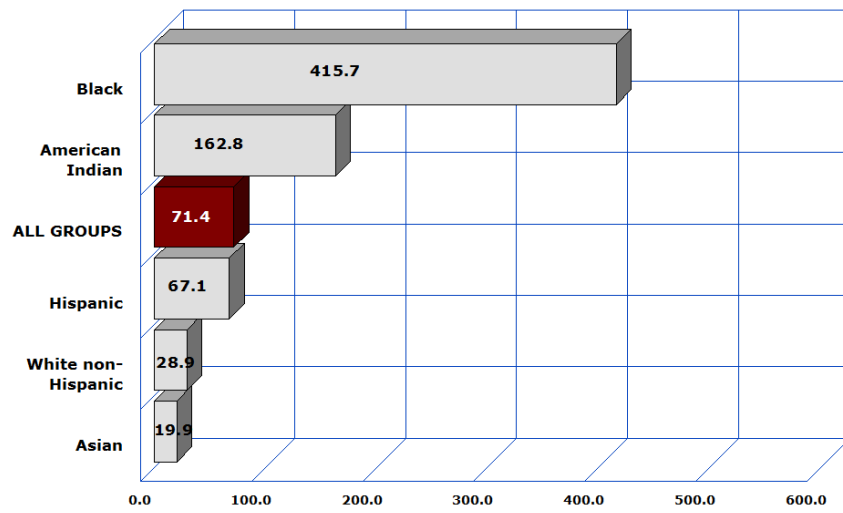


### COMPARATIVE RATES FOR 2001 AND 2011

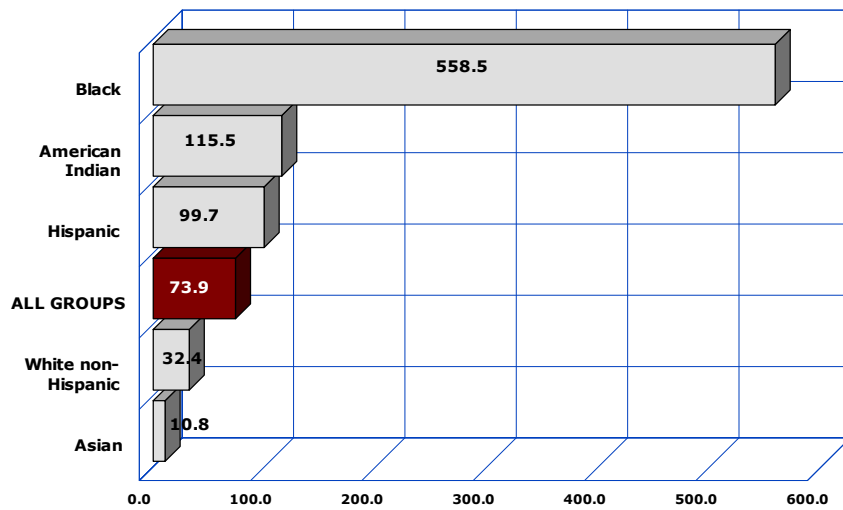
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	8.4	2.6	16.6	52.4	15.1	0.0
2011	7.2	4.8	10.3	23.8	10.5	1.8
% change from 2001	-14.3	84.6	-38.0	-54.6	-30.5	NA

## 9-2 RATES OF GONORRHEA

2011



2001



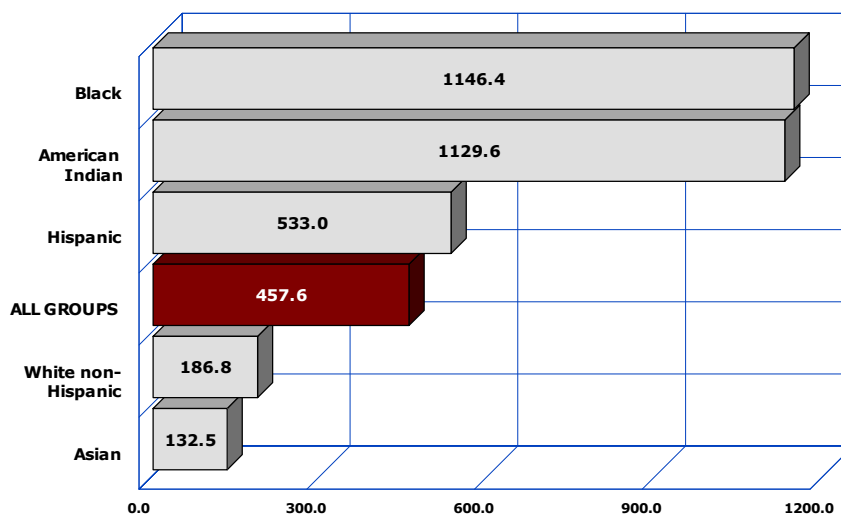
### COMPARATIVE RATES FOR 2001 AND 2011

Number of reported cases per 100,000 population by race/ethnicity

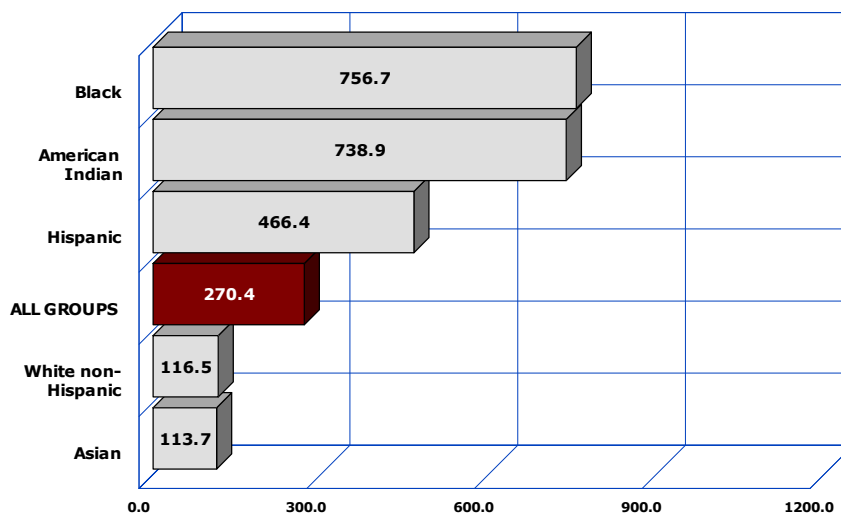
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	73.9	32.4	99.7	558.5	115.5	10.8
2011	71.4	28.9	67.1	415.7	162.8	19.9
% change from 2001	-3.4	-10.8	-32.7	-25.6	41.0	84.3

### 9-3 RATES OF CHLAMYDIA

2011



2001

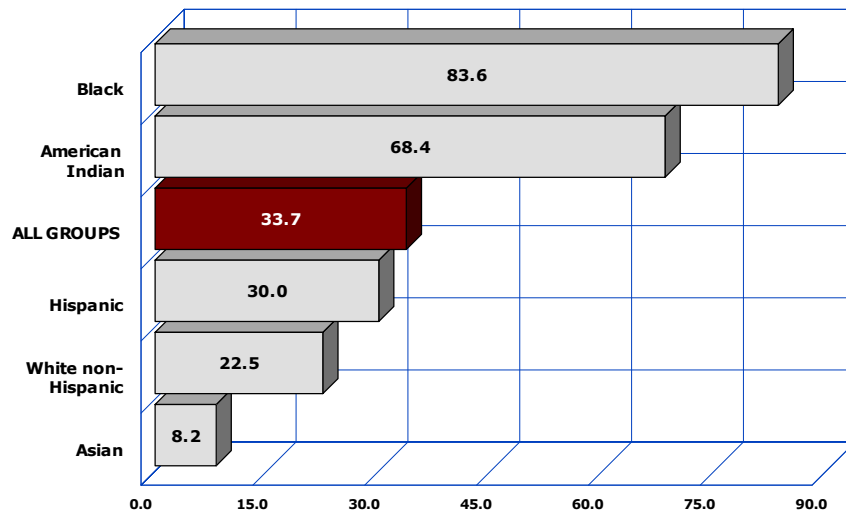


#### COMPARATIVE RATES FOR 2001 AND 2011

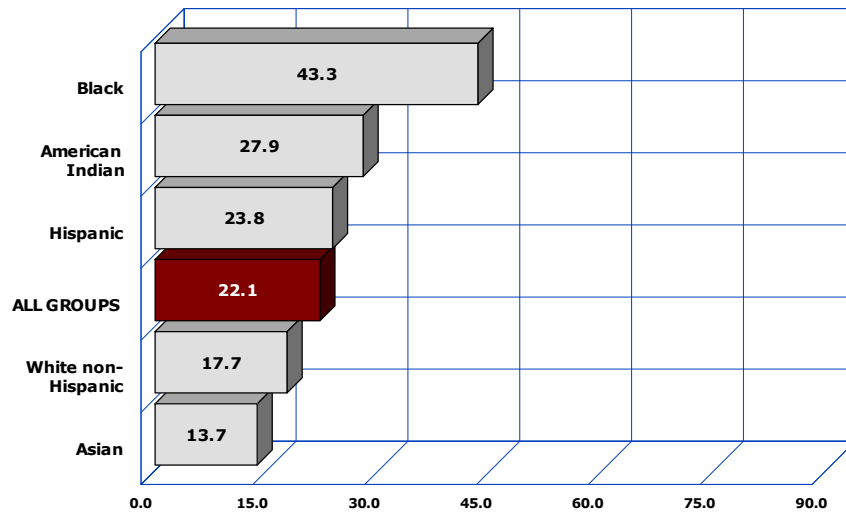
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	270.4	116.5	466.4	756.7	738.9	113.7
2011	457.6	186.8	533.0	1146.4	1129.6	132.5
% change from 2001	69.2	60.3	14.3	51.5	52.9	16.5

## 9-4 RATES OF GENITAL HERPES

2011



2001



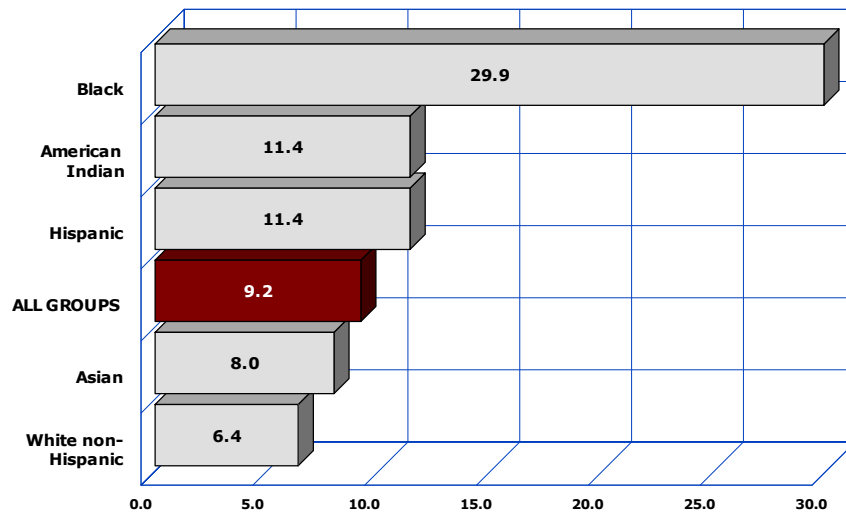
### COMPARATIVE RATES FOR 2001 AND 2011

Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	22.1	17.7	23.8	43.3	27.9	13.7
2011	33.7	22.5	30.0	83.6	68.4	8.2
% change from 2001	52.5	27.1	26.1	93.1	145.2	-40.1

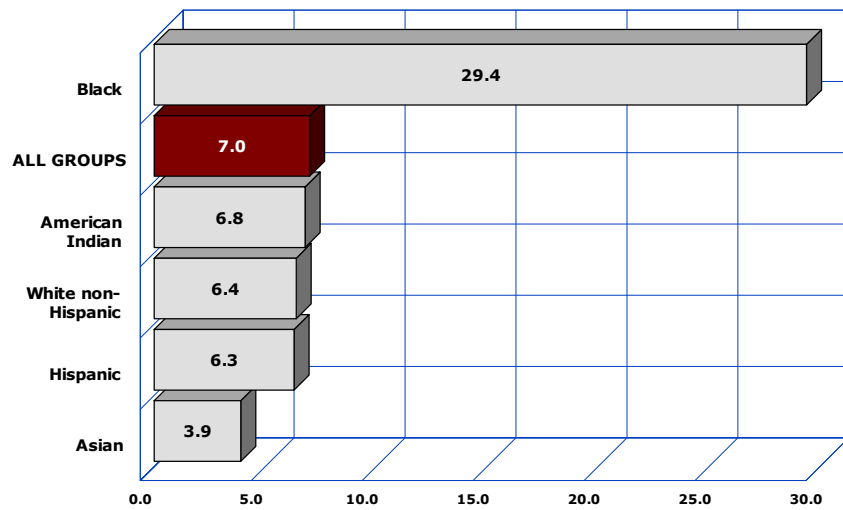


## 9-5 RATES OF HIV/AIDS

**2011**



**2001**



### COMPARATIVE RATES FOR 2001 AND 2011

Number of reported HIV/AIDS cases per 100,000 population by race/ethnicity

Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2001	7.0	6.4	6.3	29.4	6.8	3.9
2011	9.2	6.4	11.4	29.9	11.4	8.0
% change from 2001	31.4	0.0	81.0	1.7	67.6	105.1



# **COMPARATIVE RATES AND RATIOS FOR 2001-2011**



**COMPARATIVE RATES AND RATIOS FOR  
2001 – 2011**

**1. TEEN PREGNANCIES**

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

<b>Indicator</b>	<b>ALL ARIZONA RESIDENTS</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>Figure 1-1 - Pregnancies among females 19 and younger</b>						
2011	23.0	11.8	30.2	24.9	29.2	9.1
2010	24.7	15.9	33.8	29.5	37.0	9.9
2009	28.0	15.6	43.5	33.3	34.7	11.6
2008	31.6	17.5	49.4	37.7	35.5	13.5
2007	34.4	19.0	55.3	36.1	39.1	15.3
2006	34.1	18.9	56.0	32.6	36.2	12.9
2005	32.7	15.8	55.5	43.5	40.8	16.2
2004	34.6	17.7	59.2	44.2	39.7	19.3
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
<b>Figure 1-2 - Pregnancies among females 14 and younger</b>						
2011	0.7	0.2	0.9	0.9	0.8	0.5
2010	0.7	0.3	0.9	1.1	1.2	0.2
2009	0.7	0.3	1.1	0.8	1.0	0.5
2008	1.0	0.3	1.7	1.6	1.4	0.5
2007	1.5	0.9	1.9	2.3	2.0	0.7
2006	1.1	0.4	1.9	1.4	1.1	0.8
2005	1.1	0.3	2.2	1.6	1.5	0.3
2004	1.1	0.3	2.3	1.6	1.4	0.6
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
<b>Figure 1-3 - Pregnancies among females 15-17 years old</b>						
2011	22.1	9.6	31.8	22.3	28.8	7.2
2010	25.5	12.9	38.9	27.3	40.5	8.3
2009	28.5	12.3	51.3	31.6	36.9	8.2
2008	34.6	14.9	62.7	37.2	38.1	11.6
2007	36.9	15.6	68.5	36.9	42.4	12.0
2006	39.0	17.2	72.7	36.1	41.5	13.0
2005	39.1	14.9	72.9	51.6	55.0	16.2
2004	42.0	16.9	79.7	53.0	53.2	20.2
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
<b>Figure 1-4 - Pregnancies among females 18-19 years old</b>						
2011	77.2	40.8	104.0	84.0	94.2	32.7
2010	80.8	53.9	112.6	97.0	111.0	35.5
2009	102.5	59.6	164.2	141.7	114.0	48.7
2008	111.3	65.3	177.2	155.7	115.2	53.5
2007	121.4	70.3	201.2	144.1	124.9	62.2
2006	115.6	68.6	188.1	118.1	119.8	45.0
2005	103.6	55.1	168.9	144.8	137.0	47.6
2004	108.7	61.2	177.4	149.8	134.2	55.0
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

## 2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

(All ratios are per 100 live births)

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Figure 2-1 - Unmarried mothers						
2011	44.3	29.5	56.6	63.6	77.1	17.3
2010	44.7	29.9	56.2	63.1	77.7	17.4
2009	45.2	29.7	56.9	62.7	76.9	15.8
2008	45.1	29.5	56.5	62.6	75.8	17.4
2007	45.0	28.4	56.7	61.9	75.9	17.6
2006	43.9	27.7	55.4	62.3	74.8	16.2
2005	42.8	26.1	54.3	61.9	72.9	17.0
2004	41.9	24.8	53.9	62.0	73.1	15.8
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
Figure 2-2 - Tobacco use during pregnancy						
2011	4.3	6.7	1.6	6.7	2.4	1.5
2010	4.7	7.5	1.7	6.9	2.5	1.7
2009	4.8	8.0	1.8	7.0	2.6	1.7
2008	4.9	8.4	1.6	7.3	2.8	1.6
2007	4.7	8.3	1.6	6.8	3.1	1.9
2006	5.1	8.8	1.8	7.2	3.6	1.8
2005	5.4	9.3	1.9	7.7	3.4	2.2
2004	5.8	9.4	2.1	9.0	3.7	2.4
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
Figure 2-3 - Alcohol use during pregnancy						
2011	0.5	0.6	0.2	0.6	1.5	0.4
2010	0.5	0.5	0.2	0.8	1.9	0.4
2009	0.5	0.6	0.4	0.6	1.4	0.2
2008	0.5	0.7	0.4	0.5	1.3	0.4
2007	0.6	0.7	0.2	0.6	1.8	0.2
2006	0.6	0.8	0.3	0.6	1.9	0.4
2005	0.8	1.1	0.3	0.7	2.2	0.4
2004	0.5	0.6	0.2	0.4	1.4	0.3
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
Figure 2-4 - Chronic hypertension						
2011	0.8	0.8	0.7	1.7	1.2	0.6
2010	0.9	0.9	0.6	1.8	1.5	0.6
2009	0.8	0.8	0.6	1.6	1.6	0.9
2008	0.8	0.8	0.6	1.7	1.4	0.4
2007	0.6	0.6	0.5	1.1	1.5	0.5
2006	0.6	0.6	0.4	1.0	1.4	0.5
2005	0.4	0.5	0.3	1.0	1.0	0.5
2004	0.4	0.4	0.2	0.4	0.8	0.4
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
Figure 2-5 - Dysfunctional labor						
2011	1.6	1.6	1.3	1.5	3.3	1.8
2010	1.9	2.1	1.4	2.1	2.6	2.3
2009	1.6	1.8	1.2	1.5	2.5	2.5
2008	1.4	1.4	1.1	1.8	3.3	1.4
2007	1.1	1.2	0.8	1.1	2.9	1.3
2006	1.0	1.1	0.6	1.0	2.5	1.4
2005	1.2	1.4	0.8	1.0	3.0	1.5
2004	0.9	1.0	0.6	0.8	2.9	1.0
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

**2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS (continued)**

(All ratios are per 100 live births)

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>Figure 2-6 - Anemia during pregnancy</b>						
2011	3.6	3.7	2.8	5.9	6.0	2.6
2010	3.8	4.0	3.0	6.2	6.0	3.5
2009	3.6	3.7	2.6	6.0	7.2	3.0
2008	3.9	4.3	2.9	6.3	7.2	3.4
2007	3.0	3.3	2.0	4.3	6.8	2.4
2006	2.0	1.7	1.6	2.3	6.6	1.5
2005	2.0	2.0	1.5	3.5	5.6	1.6
2004	2.2	2.4	1.5	2.5	5.5	1.5
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
<b>Figure 2-7 - Diabetes during pregnancy</b>						
2011	4.6	3.4	5.1	3.8	9.3	7.5
2010	4.2	3.2	4.5	3.4	7.8	6.8
2009	3.9	3.0	4.0	2.9	8.2	6.1
2008	3.9	2.9	4.1	2.9	8.2	6.8
2007	3.4	2.7	3.3	3.0	8.0	5.9
2006	3.2	2.5	3.2	2.7	7.2	4.5
2005	3.0	2.2	2.9	2.3	8.2	4.7
2004	2.5	2.0	2.1	1.9	7.6	3.9
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
<b>Figure 2-8 - Pregnancy-associated hypertension</b>						
2011	4.2	4.5	3.5	5.2	6.3	3.1
2010	3.9	4.1	3.3	4.6	6.1	3.2
2009	3.6	4.2	2.7	4.3	5.5	2.5
2008	3.5	4.0	2.7	4.5	5.9	3.0
2007	3.1	3.7	2.2	3.5	5.8	2.4
2006	2.9	3.3	2.1	3.5	5.9	1.8
2005	3.1	3.8	2.1	3.0	5.8	2.4
2004	2.9	3.6	1.9	2.8	5.4	2.3
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
<b>Figure 2-9 - Genital herpes during pregnancy</b>						
2011	1.0	1.4	0.6	1.5	0.7	0.8
2010	1.0	1.4	0.6	1.7	0.7	0.7
2009	1.0	1.5	0.6	1.2	0.6	0.6
2008	1.0	1.5	0.5	1.3	0.9	0.6
2007	0.7	1.2	0.3	0.8	0.5	0.5
2006	0.7	1.1	0.3	1.0	0.4	0.4
2005	0.7	1.2	0.3	1.1	0.5	0.7
2004	0.7	1.2	0.3	0.8	0.4	0.4
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
<b>Figure 2-10 - Weight gain of less than 21 pounds</b>						
2011	26.4	20.1	32.2	30.0	35.6	22.5
2010	26.8	20.0	32.7	31.3	35.2	23.1
2009	26.9	19.7	33.1	31.0	34.6	21.8
2008	25.9	18.6	32.3	27.2	32.9	20.3
2007	25.3	18.1	31.2	27.5	31.9	19.4
2006	25.5	18.5	31.3	28.2	33.4	21.0
2005	24.4	16.9	30.1	27.9	32.4	18.7
2004	20.6	15.1	24.3	23.4	28.5	18.4
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

### 3. UTILIZATION OF PRENATAL CARE SERVICES

(Per 100 live births)

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Figure 3-1 - No care in the 1 <sup>st</sup> trimester						
2011	18.3	12.0	23.5	19.6	31.4	13.5
2010	18.1	11.8	23.4	18.4	30.6	11.9
2009	19.7	12.1	25.9	19.7	34.0	11.9
2008	20.6	12.7	26.6	22.4	34.9	13.6
2007	22.4	13.5	29.5	23.2	34.1	13.5
2006	22.3	13.1	29.9	22.6	34.1	13.9
2005	22.3	12.3	30.5	24.4	32.1	13.7
2004	23.7	12.7	33.0	24.2	31.0	15.3
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
Figure 3-2 - Fewer than five prenatal visits						
2011	5.0	2.3	6.9	5.6	11.5	3.3
2010	4.9	2.3	6.8	5.8	11.0	3.1
2009	5.3	2.5	7.4	5.3	10.7	3.4
2008	5.4	2.7	6.9	5.8	12.4	3.7
2007	6.0	3.0	8.1	7.1	12.0	3.3
2006	6.4	2.9	8.8	6.4	13.2	3.2
2005	6.5	2.8	19.2	13.4	12.6	3.5
2004	7.4	2.8	11.0	7.9	12.1	4.4
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
Figure 3-3 - No prenatal care						
2011	1.6	0.6	2.5	1.6	2.5	1.0
2010	1.6	0.6	2.6	1.7	2.3	1.2
2009	1.8	0.7	2.9	1.6	2.1	1.3
2008	1.8	0.7	2.5	2.1	3.1	1.3
2007	2.2	0.9	3.2	2.7	3.2	1.5
2006	2.4	0.9	3.6	2.3	3.5	1.2
2005	2.3	0.8	6.7	4.4	3.0	1.0
2004	2.8	0.7	4.5	3.3	3.0	1.5
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

### 4. NEWBORN'S HEALTH

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

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Figure 4-1 - Hyaline membrane disease						
2011	0.3	0.3	0.3	0.4	0.2	0.1
2010	0.4	0.5	0.4	0.8	0.2	0.3
2009	0.5	0.6	0.4	0.7	0.2	0.3
2008	0.5	0.7	0.4	0.4	0.3	0.6
2007	0.4	0.5	0.2	0.6	0.2	0.4
2006	0.2	0.3	0.2	0.4	0.3	0.2
2005	0.3	0.4	0.1	0.5	0.3	0.2
2004	0.3	0.4	0.2	0.3	0.4	0.3
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



**4. NEWBORN'S HEALTH (continued)**

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

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Figure 4-2 - Newborn intensive care						
2011	5.4	5.6	5.2	7.5	4.3	5.2
2010	6.2	6.3	5.8	8.1	5.6	6.0
2009	6.2	6.5	5.8	9.2	4.7	6.2
2008	6.0	6.5	5.4	7.6	4.9	6.7
2007	5.1	5.7	4.5	7.3	4.5	4.9
2006	5.1	5.7	4.4	7.0	4.8	4.9
2005	5.7	6.5	5.1	7.4	5.1	5.4
2004	5.7	6.4	5.2	7.2	4.4	5.8
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
Figure 4-3 - Born too early (preterm or <37 weeks)						
2011	9.3	9.1	9.1	12.7	9.0	9.0
2010	9.7	9.3	9.5	12.3	10.7	10.0
2009	10.0	9.9	9.7	14.4	9.6	10.0
2008	10.2	10.1	9.9	14.0	9.8	10.0
2007	10.3	10.4	9.8	14.9	10.4	9.6
2006	10.6	10.5	10.1	14.5	11.7	10.4
2005	10.7	10.9	10.1	16.4	10.6	10.2
2004	11.0	11.4	10.3	14.4	10.9	11.0
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
Figure 4-4 - Born too small: low-birthweight (<2,500 grams)						
2011	7.0	6.7	6.4	12.5	6.9	8.3
2010	7.1	6.7	6.8	11.4	7.0	8.5
2009	7.1	6.9	6.6	12.8	6.4	8.8
2008	7.1	6.9	6.7	11.7	6.7	9.1
2007	7.1	7.1	6.6	12.8	6.6	8.0
2006	7.1	6.7	6.9	12.7	7.4	8.5
2005	6.9	6.9	6.4	12.6	7.3	8.0
2004	7.2	7.2	6.8	11.6	7.2	8.0
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
Figure 4-5 - Born too small: very low-birthweight (<1,500 grams)						
2011	1.2	1.1	1.1	2.5	1.3	1.1
2010	1.1	0.9	1.1	2.6	1.2	1.4
2009	1.2	1.1	1.1	2.8	0.9	1.5
2008	1.2	1.1	1.1	2.6	1.1	1.5
2007	1.2	1.1	1.2	2.6	1.0	1.0
2006	1.2	1.1	1.2	2.3	1.1	1.1
2005	1.2	1.1	1.2	2.5	1.1	1.2
2004	1.2	1.1	1.2	2.5	0.9	1.1
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
Figure 4-6 - Incidence of congenital anomalies (birth defects)						
2011	1.1	1.1	1.1	1.0	1.4	0.8
2010	0.6	0.6	0.7	0.6	0.6	0.5
2009	0.6	0.7	0.6	0.7	0.8	0.4
2008	0.9	0.9	0.9	0.8	0.9	0.7
2007	0.8	0.9	0.7	0.7	1.4	0.8
2006	0.9	0.9	0.8	0.8	1.2	0.5
2005	1.0	1.0	0.9	0.9	1.5	1.2
2004	1.0	1.0	1.0	0.6	1.6	0.7
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

**4. NEWBORN'S HEALTH (continued)**

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

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>Figure 4-7 - Infant mortality</b>						
2011	5.9	4.5	7.1	7.3	7.4	2.9
2010	6.0	3.9	6.8	11.1	8.1	3.9
2009	5.9	4.8	5.6	17.1	8.4	3.8
2008	6.3	5.1	5.9	17.7	8.2	7.9
2007	6.8	5.6	7.4	15.1	8.1	3.2
2006	6.3	5.4	6.6	16.8	6.4	2.2
2005	6.8	6.2	7.0	12.8	8.3	5.3
2004	6.7	5.4	7.7	12.1	7.2	3.8
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
<b>Figure 4-8 - Sudden Infant Death Syndrome (SIDS)</b>						
2011	0.3	0.2	0.3	0.5	0.3	0.0
2010	0.4	0.3	0.3	0.5	0.9	0.3
2009	0.5	0.3	0.4	1.8	0.8	0.3
2008	0.2	0.1	0.1	0.9	0.6	0.3
2007	0.4	0.5	0.3	1.0	0.6	0.0
2006	0.4	0.5	0.2	0.8	0.3	0.3
2005	0.3	0.3	0.3	0.6	0.6	0.7
2004	0.3	0.3	0.3	0.6	0.0	0.0
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
<b>Figure 4-9 - Mortality of infants from low birthweight/short gestation</b>						
2011	0.7	0.5	0.8	1.1	1.2	0.6
2010	0.7	0.3	1.0	2.5	1.0	0.0
2009	1.1	0.8	1.3	3.0	0.5	0.6
2008	0.9	0.6	0.8	3.5	0.6	2.0
2007	0.9	0.5	1.2	2.4	0.8	0.9
2006	0.9	0.6	1.1	2.6	1.1	0.6
2005	0.8	0.5	1.2	1.2	0.5	0.0
2004	0.9	0.7	1.1	2.2	0.5	0.0
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
<b>Figure 4-10 - Neonatal mortality</b>						
2011	3.9	3.1	4.7	4.6	3.3	2.9
2010	3.8	2.5	4.5	7.4	3.8	3.3
2009	3.9	3.2	3.9	10.5	4.2	2.9
2008	4.2	3.3	4.1	11.9	4.6	6.4
2007	4.7	3.8	5.2	10.3	4.2	2.6
2006	4.3	3.7	4.7	9.6	4.0	1.0
2005	4.4	4.1	4.9	5.5	4.3	3.2
2004	4.5	3.9	5.1	7.8	3.4	2.7
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
<b>Figure 4-11 - Postneonatal mortality</b>						
2011	2.0	1.3	2.4	2.7	4.1	0.0
2010	2.2	1.4	2.3	3.7	4.3	0.6
2009	2.0	1.6	1.7	6.6	4.2	0.9
2008	2.1	1.8	1.8	5.8	3.6	1.5
2007	2.2	1.8	2.2	4.8	3.9	0.6
2006	2.0	1.7	1.9	7.2	2.4	1.2
2005	2.4	2.1	2.1	7.3	4.0	2.1
2004	2.2	1.4	2.6	4.4	3.8	1.1
2003	2.2	1.7	2.1	5.6	4.4	2.4
2002	2.2	2.0	2.0	7.3	3.4	0.9
2001	2.4	1.7	2.2	7.7	6.6	1.4

**5. MORTALITY FROM NATURAL CAUSES - Chronic or infectious diseases**  
(Number of deaths per 100,000 population age-adjusted to 2000 standard)

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>Figure 5-1 - Cardiovascular diseases</b>						
2011	201.0	212.6	193.4	266.1	149.2	122.4
2010	188.6	188.8	172.4	258.5	183.2	130.0
2009	188.8	188.3	179.8	245.7	164.2	150.8
2008	194.1	196.3	184.8	219.6	150.4	121.4
2007	194.4	196.9	179.8	225.9	155.0	108.9
2006	216.4	218.2	203.2	310.3	167.0	136.2
2005	245.7	241.3	266.1	343.3	235.6	243.0
2004	248.5	243.1	284.1	372.5	214.6	200.3
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
<b>Figure 5-2 - Diseases of the heart</b>						
2011	152.7	164.3	137.4	174.0	111.1	77.0
2010	143.3	145.4	121.3	177.7	135.9	86.8
2009	145.9	147.5	130.5	171.3	125.8	96.7
2008	149.3	153.1	132.0	161.7	114.6	71.8
2007	149.5	153.2	131.5	171.3	115.2	58.6
2006	166.1	168.8	149.8	231.9	129.4	94.7
2005	186.9	185.2	189.6	250.3	179.1	159.8
2004	186.7	184.9	197.6	258.5	166.9	135.3
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
<b>Figure 5-3 - Coronary heart disease</b>						
2011	120.3	130.6	106.0	142.7	79.6	61.0
2010	112.9	114.5	96.3	159.3	98.6	75.6
2009	115.9	117.3	103.7	137.3	94.6	81.0
2008	118.3	121.8	103.3	131.9	83.2	61.5
2007	115.0	118.0	101.7	136.6	84.6	47.9
2006	130.2	132.3	117.3	190.1	97.6	86.2
2005	147.9	147.3	147.1	211.4	133.7	113.7
2004	148.7	147.3	158.2	207.5	137.5	120.6
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
<b>Figure 5-4 - Cerebrovascular disease</b>						
2011	30.6	30.4	34.9	56.5	29.7	29.1
2010	30.7	29.4	35.1	53.5	29.8	26.0
2009	28.9	27.5	33.8	42.8	24.7	39.2
2008	30.3	29.2	33.6	40.0	23.5	36.2
2007	30.6	29.7	34.9	34.1	22.0	37.7
2006	34.8	34.1	37.3	58.2	27.0	18.4
2005	40.6	38.8	51.0	66.0	32.3	64.6
2004	43.6	41.4	61.3	71.5	27.5	45.1
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
<b>Figure 5-5 - Chronic lower respiratory diseases</b>						
2011	45.9	55.3	19.5	34.8	14.4	17.2
2010	42.6	47.1	18.6	27.4	21.7	12.0
2009	40.5	45.0	16.4	26.8	19.2	18.0
2008	42.2	46.9	20.5	26.0	15.8	13.7
2007	39.2	43.7	18.8	18.7	13.0	7.5
2006	44.3	49.2	18.3	27.3	8.4	9.9
2005	46.8	49.6	31.6	43.9	12.0	17.9
2004	41.9	45.1	22.7	24.9	10.8	21.6
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

**5. MORTALITY FROM NATURAL CAUSES - Chronic or infectious diseases (continued)**

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

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>Figure 5-6 - Malignant neoplasms (cancer)</b>						
2011	151.3	170.3	136.3	167.1	100.8	116.6
2010	150.5	155.6	126.2	182.6	106.4	96.2
2009	147.2	151.1	128.4	153.1	113.3	108.1
2008	145.5	150.4	123.8	149.2	106.7	104.4
2007	148.0	154.6	118.6	153.4	113.9	84.2
2006	154.7	162.8	124.7	163.5	83.1	82.0
2005	161.8	162.4	165.9	217.9	122.2	112.7
2004	164.7	165.4	161.6	227.7	139.3	111.0
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
<b>Figure 5-7 - Lung cancer</b>						
2011	37.8	46.7	22.9	36.6	7.9	20.8
2010	38.1	41.7	20.6	36.6	7.5	22.1
2009	39.0	42.7	23.7	38.7	10.0	26.6
2008	38.5	42.3	20.0	37.1	11.2	32.7
2007	38.2	42.4	20.5	39.6	9.9	21.5
2006	42.7	47.4	21.4	45.9	4.7	18.4
2005	43.0	45.9	29.0	53.0	6.5	19.7
2004	45.4	48.2	29.4	61.4	17.3	21.5
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
<b>Figure 5-8 - Breast cancer (female)</b>						
2011	19.7	20.8	12.2	24.1	7.5	15.6
2010	19.2	19.9	18.5	25.8	8.2	12.9
2009	19.2	19.8	16.4	30.7	11.6	5.9
2008	19.8	20.6	15.1	38.0	11.6	7.1
2007	20.1	20.5	16.9	23.9	16.2	11.3
2006	21.6	23.2	14.0	25.7	6.9	7.5
2005	20.7	20.5	19.8	35.7	14.9	17.3
2004	21.4	21.4	18.0	32.2	18.4	35.2
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
<b>Figure 5-9 - Cervical cancer</b>						
2011	2.1	1.6	3.7	2.4	3.1	3.0
2010	2.0	1.6	2.8	1.8	5.0	3.5
2009	1.8	1.5	2.1	2.2	4.1	2.9
2008	1.8	1.3	3.3	3.3	4.8	0.0
2007	1.9	1.6	3.2	2.3	2.3	1.2
2006	1.7	1.4	2.4	2.7	5.8	1.2
2005	2.1	1.8	4.1	1.4	3.4	4.6
2004	2.2	1.6	5.0	2.8	2.0	3.6
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	0.0
<b>Figure 5-10 - Colorectal cancer</b>						
2011	13.4	14.4	13.6	20.2	9.9	14.3
2010	13.8	13.9	13.5	21.9	12.4	10.3
2009	12.9	12.9	13.8	14.1	8.5	13.8
2008	13.1	13.2	13.2	16.4	11.1	8.6
2007	14.4	15.0	12.0	15.7	8.0	9.4
2006	14.6	15.1	14.2	14.9	4.7	6.5
2005	15.4	15.2	17.6	27.0	7.5	12.5
2004	15.3	15.5	13.1	27.3	9.3	11.0
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

**5. MORTALITY FROM NATURAL CAUSES - Chronic or Infectious Diseases (continued)**

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

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>Figure 5-11 - Prostate cancer</b>						
2011	19.8	19.5	20.6	24.1	17.1	5.0
2010	19.1	18.4	23.9	35.2	21.6	12.6
2009	18.4	18.2	20.0	28.9	16.4	2.1
2008	19.1	18.9	20.3	20.5	14.7	25.5
2007	18.9	19.5	15.8	23.6	16.6	19.4
2006	20.1	19.2	25.9	34.9	16.9	24.0
2005	23.8	23.5	30.6	20.4	23.5	5.1
2004	24.0	22.6	35.0	54.6	31.2	6.1
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
<b>Figure 5-12 - Influenza and pneumonia</b>						
2011	9.7	9.3	12.0	8.1	28.4	9.1
2010	10.9	10.3	9.8	9.2	33.2	8.0
2009	14.6	13.0	15.5	14.3	42.7	16.3
2008	15.6	14.6	18.3	12.4	36.3	13.5
2007	12.9	12.3	14.4	13.0	34.3	7.4
2006	18.4	17.7	20.0	18.1	32.8	21.7
2005	22.3	20.5	26.5	21.6	72.0	17.5
2004	20.1	19.4	20.7	12.0	32.7	10.5
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
<b>Figure 5-13 - Diabetes</b>						
2011	24.8	21.6	41.7	57.8	61.3	23.3
2010	20.1	15.2	37.3	50.0	79.3	11.7
2009	15.7	12.2	28.1	31.1	54.2	16.2
2008	17.0	13.8	29.1	30.8	50.8	16.1
2007	17.0	13.7	30.8	30.3	51.1	5.1
2006	18.9	15.2	40.4	43.9	43.9	10.9
2005	20.1	15.5	46.0	55.2	69.9	17.8
2004	20.7	16.8	43.5	44.8	59.0	30.0
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
<b>Figure 5-14 - Chronic liver disease and cirrhosis</b>						
2011	13.4	12.0	18.9	6.6	43.6	4.2
2010	12.3	9.7	15.5	8.0	64.6	0.5
2009	12.2	9.5	18.7	3.1	54.0	3.1
2008	11.7	10.0	15.4	7.5	40.7	1.8
2007	11.3	9.6	16.3	5.9	36.8	3.2
2006	11.4	9.6	15.5	7.2	43.6	3.1
2005	12.7	10.7	19.4	12.8	51.2	4.9
2004	11.1	8.4	18.6	6.7	51.0	3.8
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
<b>Figure 5-15 - HIV disease</b>						
2011	1.6	1.2	1.7	5.4	2.0	1.2
2010	1.6	1.3	1.7	5.7	1.9	0.5
2009	1.6	1.0	2.1	8.9	3.7	0.0
2008	1.8	1.5	1.9	4.9	2.2	0.6
2007	1.7	1.3	1.7	6.0	3.6	0.4
2006	2.3	2.1	2.3	7.2	1.8	0.6
2005	2.4	2.0	2.5	9.2	3.1	0.5
2004	2.8	2.3	3.1	14.6	3.5	0.8
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

**5. MORTALITY FROM NATURAL CAUSES - Chronic or Infectious Diseases (continued)**

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

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>Figure 5-16 - Septicemia</b>						
2011	4.7	4.2	6.4	6.4	16.5	3.2
2010	7.4	7.5	7.8	4.4	8.1	1.4
2009	7.7	6.5	8.0	13.2	31.4	9.2
2008	7.9	6.7	11.0	10.9	20.6	7.1
2007	8.1	7.0	10.4	14.7	17.8	10.9
2006	8.6	7.7	11.0	14.6	17.3	5.5
2005	8.4	7.3	13.0	18.2	18.2	6.2
2004	8.0	6.6	14.4	16.0	21.5	4.6
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
<b>Figure 5-17 - Alzheimer's disease</b>						
2011	35.2	36.3	30.9	54.7	18.1	21.0
2010	35.1	35.5	32.6	46.7	14.9	32.2
2009	29.5	30.4	26.9	29.6	10.9	18.1
2008	29.8	30.6	26.3	42.5	8.5	18.4
2007	29.6	30.9	24.1	29.8	10.3	12.9
2006	33.4	34.7	28.0	28.8	15.3	8.3
2005	32.7	33.0	31.3	42.7	16.2	30.2
2004	31.3	32.0	26.6	42.8	8.0	17.1
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
<b>Figure 5-18 - Nephritis, nephrotic syndrome and nephrosis (kidney disease)</b>						
2011	6.0	5.4	8.8	10.0	15.3	8.6
2010	7.6	6.3	10.7	16.5	19.9	3.8
2009	7.7	6.2	14.1	16.2	19.6	1.5
2008	7.1	5.6	13.2	9.8	23.5	5.3
2007	7.6	6.0	13.1	19.1	20.6	5.0
2006	8.8	7.4	14.2	9.8	23.3	5.2
2005	10.4	8.5	22.5	19.8	31.4	9.2
2004	11.0	8.9	21.5	26.6	30.2	16.0
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
<b>Figure 5-19 - Essential (primary) hypertension</b>						
2011	10.8	10.5	12.9	29.4	6.9	9.8
2010	6.3	5.4	6.3	17.6	16.3	3.8
2009	6.8	6.1	9.0	22.0	7.0	10.6
2008	6.9	6.4	9.5	12.3	6.7	5.0
2007	5.7	5.3	5.6	12.7	11.2	7.3
2006	6.7	6.1	8.3	12.9	8.5	14.1
2005	6.8	5.9	13.2	15.6	15.8	6.8
2004	7.3	6.2	11.9	27.0	13.2	6.0
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
<b>Figure 5-20 - Total mortality from all causes</b>						
2011	699.6	741.5	656.4	833.6	765.5	436.7
2010	679.9	674.4	612.0	835.0	891.8	424.1
2009	653.2	647.3	614.9	736.8	823.5	427.8
2008	659.6	660.1	606.9	710.7	766.3	427.0
2007	663.2	665.1	603.7	719.2	752.5	356.3
2006	727.3	728.5	685.6	885.1	744.5	393.4
2005	772.5	744.6	849.2	1053.1	1006.6	629.5
2004	757.3	734.6	834.0	1021.7	879.2	557.5
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

## 6. MORTALITY FROM INJURIES

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

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>Figure 6-1 - Unintentional injuries</b>						
2011	45.5	46.9	38.9	41.6	100.6	19.7
2010	43.8	45.5	33.7	36.0	99.2	24.6
2009	43.1	43.3	35.3	36.5	92.6	24.5
2008	44.7	45.4	34.2	43.1	92.6	23.7
2007	46.6	44.9	40.6	48.1	95.0	20.3
2006	51.2	48.7	52.4	54.8	97.2	19.8
2005	51.1	46.2	54.8	64.3	117.8	34.2
2004	46.0	43.3	48.9	45.9	103.9	21.2
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
<b>Figure 6-2 - Motor vehicle-related injuries</b>						
2011	12.1	10.4	11.7	11.7	44.2	6.8
2010	11.1	9.2	11.1	10.8	41.7	5.5
2009	11.6	10.1	10.6	12.4	36.9	6.5
2008	13.6	12.0	13.1	11.5	41.9	4.4
2007	16.2	13.1	17.6	13.6	49.0	9.9
2006	19.6	16.6	21.9	15.3	56.9	5.9
2005	18.9	15.0	22.7	24.9	62.6	10.2
2004	18.1	15.3	23.2	14.8	54.1	11.3
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
<b>Figure 6-3 - Fall-related injuries</b>						
2011	11.6	12.0	10.5	8.9	15.8	6.4
2010	11.5	11.9	8.0	2.3	17.5	8.8
2009	10.4	10.5	9.9	3.8	15.3	10.8
2008	10.8	11.0	8.6	7.1	13.4	8.7
2007	10.6	10.9	7.5	7.0	9.7	5.6
2006	11.3	11.3	12.0	7.1	9.9	7.4
2005	12.0	11.9	12.1	6.5	10.4	15.0
2004	9.6	9.5	8.7	8.8	14.9	3.3
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
<b>Figure 6-4 - Drowning mortality</b>						
2011	1.3	1.3	1.0	2.6	2.2	2.0
2010	1.3	1.5	0.7	0.4	3.0	2.5
2009	1.5	1.3	1.4	2.0	3.7	1.6
2008	1.2	1.0	1.1	2.4	1.9	2.0
2007	1.3	1.3	1.2	2.7	2.5	0.6
2006	1.5	1.0	1.9	2.3	1.5	2.5
2005	1.4	1.1	1.3	2.9	3.4	3.2
2004	1.8	1.6	1.6	4.1	3.0	1.7
2003	1.5	1.3	1.5	2.7	2.5	0.5
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
<b>Figure 6-5 - Injury by firearms</b>						
2011	14.7	16.3	10.8	16.2	9.2	2.4
2010	14.2	15.3	9.9	15.5	11.7	6.9
2009	12.8	13.0	10.4	16.0	8.3	4.4
2008	13.5	12.6	12.1	22.4	7.6	4.6
2007	14.4	13.3	14.9	25.1	7.6	3.1
2006	15.4	13.9	15.6	21.5	8.0	2.9
2005	15.2	12.0	18.4	23.4	15.6	7.5
2004	15.0	13.2	16.8	23.7	12.6	1.4
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

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

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

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>Figure 6-6 - Drug-induced deaths</b>						
2011	16.8	21.6	10.9	12.6	9.6	1.8
2010	17.6	22.2	10.2	14.6	12.5	2.2
2009	16.8	20.6	9.9	14.8	13.2	1.8
2008	14.9	18.7	6.8	17.9	10.9	3.3
2007	15.1	18.5	8.7	19.7	8.7	2.9
2006	15.1	17.5	10.4	24.6	10.6	5.1
2005	13.8	14.8	10.6	28.4	12.4	2.1
2004	13.3	14.7	9.4	14.7	14.5	0.8
2003	12.0	12.8	10.5	23.5	8.5	0.0
2002	12.2	13.1	9.8	19.8	13.1	0.0
2001	11.3	12.4	9.4	13.8	9.3	0.9
<b>Figure 6-7 - Alcohol-induced deaths</b>						
2011	14.3	12.5	14.3	6.0	64.1	1.9
2010	14.1	12.0	11.0	7.3	84.8	0.0
2009	12.0	10.0	10.1	7.0	62.1	2.8
2008	11.8	10.6	9.2	7.3	54.3	1.8
2007	11.1	9.4	11.8	6.9	49.3	2.5
2006	10.3	8.7	10.2	5.8	48.1	0.7
2005	11.2	9.9	11.0	6.7	51.1	7.2
2004	10.0	8.0	9.8	7.3	55.4	3.8
2003	10.1	8.3	10.2	6.8	49.3	0.0
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
<b>Figure 6-8 - Intentional self-harm (suicide)</b>						
2011	17.2	22.0	8.1	9.1	14.9	5.3
2010	16.7	20.6	7.4	6.4	18.7	6.8
2009	16.1	18.4	9.0	10.5	15.9	9.9
2008	14.8	17.6	6.5	7.5	13.5	9.9
2007	15.4	18.7	9.2	6.2	9.8	6.1
2006	15.4	17.8	8.2	8.3	13.7	8.4
2005	15.4	16.6	10.5	3.3	17.5	11.7
2004	14.9	16.6	9.8	12.1	17.0	4.0
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
<b>Figure 6-9 - Assault (homicide)</b>						
2011	6.1	3.5	7.9	16.5	11.9	3.9
2010	6.5	3.8	8.0	15.4	18.0	4.1
2009	5.5	3.2	8.1	14.2	13.2	0.9
2008	7.1	3.7	10.6	20.7	12.8	3.2
2007	7.7	3.9	12.0	23.4	13.1	2.6
2006	8.5	4.6	13.0	19.6	13.2	2.4
2005	8.2	3.5	14.6	27.4	14.0	5.1
2004	8.2	4.8	13.6	22.3	14.7	1.4
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



**7. AGE-SPECIFIC MORTALITY**

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

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Figure 7-1 - Mortality of children 1-14 years old						
2011	17.5	15.4	16.4	32.4	21.9	10.6
2010	18.9	18.3	17.2	18.8	30.5	32.6
2009	20.2	15.0	21.9	28.5	35.6	22.9
2008	19.7	14.6	21.0	39.3	29.4	17.2
2007	19.5	14.2	22.1	29.1	34.3	17.5
2006	21.5	18.2	23.5	20.2	33.3	22.0
2005	22.7	17.4	26.3	35.7	33.4	18.7
2004	20.4	17.2	21.0	39.2	32.1	9.7
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
Figure 7-2 - Mortality of adolescents and young adults 15-19 years old						
2011	49.7	45.8	44.1	39.8	114.2	15.2
2010	47.7	39.7	43.1	59.4	115.3	32.7
2009	55.9	44.7	62.2	49.2	102.6	44.4
2008	65.7	47.7	80.0	85.6	111.8	35.8
2007	76.9	66.1	83.9	91.5	124.4	18.1
2006	93.8	72.4	103.0	127.1	188.6	29.1
2005	80.1	68.6	89.2	88.7	137.0	24.6
2004	80.8	64.9	91.1	150.9	134.5	25.4
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
Figure 7-3 - Mortality among adults 20-44 years old						
2011	133.6	136.0	102.4	152.4	276.5	46.1
2010	131.8	133.4	96.9	142.1	358.1	55.5
2009	123.0	120.4	95.7	185.6	332.1	50.5
2008	123.0	119.4	98.2	190.9	287.0	52.2
2007	138.2	132.3	123.3	193.9	291.3	50.3
2006	147.5	142.7	132.9	177.3	305.1	64.1
2005	140.9	122.1	140.7	227.3	348.3	61.3
2004	141.0	130.8	134.0	209.0	293.3	59.7
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
Figure 7-4 - Mortality among adults 45-64 years old						
2011	595.0	611.6	473.9	759.3	726.8	319.3
2010	587.2	594.6	448.9	772.0	978.8	282.1
2009	590.0	593.9	488.5	808.8	846.9	302.0
2008	591.8	609.7	445.9	843.0	832.3	301.5
2007	582.8	593.4	494.0	833.6	737.5	272.9
2006	614.6	638.3	477.3	872.5	775.4	194.3
2005	673.1	654.2	631.6	1103.8	1077.0	313.1
2004	649.1	633.9	592.2	1032.2	1019.2	375.8
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

**8. PREMATURE MORTALITY**

<b>Indicator</b>	<b>ALL ARIZONA RESIDENTS</b>	<b>White non-Hispanic</b>	<b>Hispanic or Latino</b>	<b>Black or African American</b>	<b>American Indian or Alaska Native</b>	<b>Asian or Pacific Islander</b>
<b>Figure 8-1 - Median age at death from all causes</b>						
2011	77.0	79.0	68.0	66.0	60.0	72.0
2010	77.0	79.0	68.0	65.0	58.0	71.0
2009	76.0	78.0	67.0	64.0	59.0	74.0
2008	77.0	78.0	68.0	62.0	59.0	70.0
2007	76.0	78.0	64.0	62.0	59.0	70.0
2006	76.0	78.0	65.0	63.0	57.0	73.0
2005	77.0	79.0	65.0	64.0	59.0	72.0
2004	76.0	78.0	65.0	64.0	58.0	69.0
2003	76.0	78.0	66.0	66.0	56.0	70.0
2002	76.0	78.0	65.0	65.0	57.0	74.0
2001	76.0	78.0	65.0	63.0	56.0	68.5
<b>Figure 8-2 - Median age at death from all causes among males</b>						
2011	73.0	76.0	63.0	64.0	54.0	69.0
2010	73.0	75.0	63.0	63.0	53.0	70.0
2009	73.0	75.0	63.0	60.0	54.0	69.0
2008	73.0	76.0	62.0	59.0	54.0	67.5
2007	73.0	75.0	59.0	57.0	54.0	64.0
2006	73.0	75.0	59.0	59.0	52.0	71.5
2005	74.0	76.0	61.0	58.0	54.0	71.0
2004	73.0	75.0	60.0	59.0	53.0	68.0
2003	73.0	75.0	60.0	60.0	51.0	70.0
2002	73.0	75.0	59.0	60.0	52.0	72.0
2001	73.0	75.0	59.0	58.0	49.0	68.0
<b>Figure 8-3 - Median age at death from all causes among females</b>						
2011	81.0	82.0	75.0	69.0	67.0	75.0
2010	80.0	82.0	74.0	69.0	65.0	74.0
2009	80.0	81.0	72.0	68.0	66.0	77.0
2008	80.0	81.0	74.0	67.0	67.0	73.0
2007	80.0	81.0	71.0	70.0	67.0	73.0
2006	80.0	81.0	73.0	70.0	65.0	73.0
2005	80.0	81.0	71.0	71.0	66.0	73.0
2004	80.0	81.0	72.0	70.0	64.0	70.0
2003	80.0	81.0	72.0	71.0	65.0	71.0
2002	79.0	80.0	72.0	72.0	64.0	75.0
2001	79.0	80.0	71.0	69.0	65.0	69.0
<b>Figure 8-4 - Percent of total deaths before expected years of life reached</b>						
2011	53.8	49.6	67.4	74.4	77.7	66.3
2010	54.5	49.9	68.7	73.4	79.6	65.1
2009	52.5	48.0	68.0	73.0	76.4	60.6
2008	52.4	48.0	67.6	74.7	76.5	66.4
2007	52.6	47.7	71.6	73.3	75.8	64.9
2006	52.7	48.2	70.8	73.9	77.4	61.0
2005	52.7	47.9	71.3	75.1	78.4	65.1
2004	53.0	48.3	71.5	74.3	80.3	64.3
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

**9. REPORTABLE DISEASES**

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

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
<b>Figure 9-1 - Incidence of early syphilis</b>						
2011	7.2	4.8	10.3	23.8	10.5	1.8
2010	6.2	3.8	7.4	15.1	12.4	2.3
2009	6.5	4.4	9.3	11.1	11.6	1.7
2008	8.8	5.8	11.1	19.8	16.1	4.1
2007	8.8	4.2	7.8	17.0	30.5	3.5
2006	6.2	3.5	7.6	14.9	8.4	1.2
2005	5.1	2.9	8.6	16.5	10.6	2.6
2004	6.5	3.1	9.6	16.6	14.9	0.9
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
<b>Figure 9-2 - Incidence of gonorrhea</b>						
2011	71.4	28.9	67.1	415.7	162.8	19.9
2010	50.8	21.5	52.0	305.7	85.1	11.1
2009	49.3	19.0	46.4	316.0	50.0	11.5
2008	52.8	21.0	49.5	256.8	73.3	9.9
2007	78.7	33.1	60.4	345.6	94.4	13.5
2006	95.3	44.0	81.6	382.4	125.7	13.6
2005	81.9	31.5	95.0	395.7	142.6	14.6
2004	70.1	32.5	84.6	376.8	142.7	12.3
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
<b>Figure 9-3 - Incidence of chlamydia</b>						
2011	457.6	186.8	533.0	1146.4	1129.6	132.5
2010	420.2	174.8	494.2	1148.5	1042.2	157.8
2009	394.2	156.3	471.5	926.9	679.3	150.6
2008	379.0	130.9	413.3	778.6	739.8	100.3
2007	386.6	142.5	346.1	722.7	641.6	91.3
2006	386.0	150.1	406.9	634.2	676.8	95.7
2005	352.0	121.9	468.5	778.1	827.6	99.7
2004	289.2	115.7	413.6	676.8	872.7	110.6
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
<b>Figure 9-4 - Incidence of genital herpes</b>						
2011	33.7	22.5	30.0	83.6	68.4	8.2
2010	29.0	18.5	22.7	72.4	76.1	10.0
2009	11.7	5.7	7.9	13.1	31.5	2.9
2008	28.4	15.5	19.9	41.2	53.2	4.1
2007	31.1	17.8	21.7	51.3	35.2	10.6
2006	27.9	18.1	20.3	38.7	36.8	4.3
2005	19.7	13.0	18.7	30.9	29.5	5.2
2004	20.5	13.3	18.4	29.8	36.2	8.9
2003	16.2	11.8	14.3	23.1	30.4	7.6
2002	21.0	16.2	19.7	45.0	35.9	7.7
2001	22.1	17.7	23.8	43.3	27.9	13.7
<b>Figure 9-5 - Incidence of HIV/HIV/AIDS</b>						
2011	9.2	6.4	11.4	29.9	11.4	8.0
2010	9.8	8.4	10.9	21.6	12.8	5.8
2009	10.2	7.4	13.2	28.0	11.0	5.7
2008	11.4	9.6	12.9	31.1	10.2	6.4
2007	12.7	9.8	15.8	35.5	8.3	8.8
2006	12.5	9.3	15.5	48.8	8.1	6.2
2005	12.8	10.1	16.0	41.6	15.1	6.9
2004	10.9	8.2	13.9	45.3	10.3	7.1
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



# **SCORES IN 2011**



## SCORES IN 2011

(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 No.	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	-48.7	31.3	8.3	27.0	-60.4
1-2	Pregnancies among females 14 and younger	-71.4	28.6	28.6	14.3	-28.6
1-3	Pregnancies among females 15-17 years old	-56.6	43.9	0.9	30.3	-67.4
1-4	Pregnancies among females 18-19 years old	-47.2	34.7	8.8	22.0	-57.6
	<b>TOTAL SCORE</b>	<b>-223.9</b>	<b>138.5</b>	<b>46.6</b>	<b>93.6</b>	<b>-214.0</b>
	<b>AVERAGE SCORE</b>	<b>-56.0</b>	<b>34.6</b>	<b>11.7</b>	<b>23.4</b>	<b>-53.5</b>

### 2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

Figure No.	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2-1	Unmarried mothers	-33.4	27.8	43.6	74.0	-60.9
2-2	Tobacco use during pregnancy	55.8	-62.8	55.8	-44.2	-65.1
2-3	Alcohol use during pregnancy	20.0	-60.0	20.0	200.0	-20.0
2-4	Chronic hypertension	0.0	-12.5	112.5	50.0	-25.0
2-5	Dysfunctional labor	0.0	-18.8	-6.3	106.3	12.5
2-6	Anemia during pregnancy	2.8	-22.2	63.9	66.7	-27.8
2-7	Diabetes during pregnancy	-26.1	10.9	-17.4	102.2	63.0
2-8	Pregnancy associated hypertension	7.1	-16.7	23.8	50.0	-26.2
2-9	Genital herpes during pregnancy	40.0	-40.0	50.0	-30.0	-20.0
2-10	Weight gain of less than 21 pounds	-23.9	22.0	13.6	34.8	-14.8
	<b>TOTAL SCORE</b>	<b>42.3</b>	<b>-172.3</b>	<b>359.5</b>	<b>609.8</b>	<b>-184.3</b>
	<b>AVERAGE SCORE</b>	<b>4.2</b>	<b>-17.2</b>	<b>36.0</b>	<b>61.0</b>	<b>-18.4</b>

### 3. UTILIZATION OF PRENATAL CARE SERVICES

Figure No.	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 1st trimester	-34.4	28.4	7.1	71.6	-26.2
3-2	Fewer than five prenatal visits	-54.0	38.0	12.0	130.0	-34.0
3-3	No prenatal care	-62.5	56.3	0.0	56.3	-37.5
	<b>TOTAL SCORE</b>	<b>-150.9</b>	<b>122.7</b>	<b>19.1</b>	<b>257.9</b>	<b>-97.7</b>
	<b>AVERAGE SCORE</b>	<b>-50.3</b>	<b>40.9</b>	<b>6.4</b>	<b>86.0</b>	<b>-32.6</b>

### 4. NEWBORN'S HEALTH

Figure No.	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
4-1	Hyaline membrane disease	0.0	0.0	33.3	-33.3	-66.7
4-2	Newborn intensive care	3.7	-3.7	38.9	-20.4	-3.7
4-3	Born too early (preterm or < 37 weeks)	-2.2	-2.2	36.6	-3.2	-3.2
4-4	Born too small: low-birthweight (<2,500 grams)	-4.3	-8.6	78.6	-1.4	18.6
4-5	Born too small: very low-birthweight (<1,500 grams)	-8.3	-8.3	108.3	8.3	-8.3
4-6	Incidence of congenital anomalies (birth defects)	0.0	0.0	-9.1	27.3	-27.3
4-7	Infant mortality	-23.7	20.3	23.7	25.4	-50.8
4-8	Sudden Infant Death Syndrome (SIDS)	-33.3	0.0	66.7	0.0	-100.0
4-9	Mortality of infants from low birthweight/short gestation	-28.6	14.3	57.1	71.4	-14.3
4-10	Neonatal mortality	-20.5	20.5	17.9	-15.4	-25.6
4-11	Postneonatal mortality	-35.0	20.0	35.0	105.0	-100.0
	<b>TOTAL SCORE</b>	<b>-152.2</b>	<b>52.3</b>	<b>487.0</b>	<b>163.7</b>	<b>-381.3</b>
	<b>AVERAGE SCORE</b>	<b>-13.8</b>	<b>4.8</b>	<b>44.3</b>	<b>14.9</b>	<b>-34.7</b>

### 5. MORTALITY FROM NATURAL CAUSES - Chronic or infectious diseases

Figure No.	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
5-1	Cardiovascular diseases	5.8	-3.8	32.4	-25.8	-39.1
5-2	Diseases of the heart	7.6	-10.0	14.0	-27.3	-49.6
5-3	Coronary heart disease	8.6	-11.9	18.6	-33.8	-49.3
5-4	Cerebrovascular disease	-0.7	14.1	84.6	-2.9	-4.9
5-5	Chronic lower respiratory diseases	20.5	-57.5	-24.2	-68.6	-62.5
5-6	Malignant neoplasms (cancer)	12.6	-9.9	10.4	-33.4	-22.9
5-7	Lung cancer	23.5	-39.4	-3.2	-79.1	-45.0
5-8	Breast cancer	5.6	-38.1	22.3	-61.9	-20.8
5-9	Cervical cancer	-23.8	76.2	14.3	47.6	42.9
5-10	Colorectal cancer	7.5	1.5	50.7	-26.1	6.7
5-11	Prostate cancer	-1.5	4.0	21.7	-13.6	-74.7
5-12	Influenza and pneumonia	-4.1	23.7	-16.5	192.8	-6.2
5-13	Diabetes	-12.9	68.1	133.1	147.2	-6.0
5-14	Chronic liver disease and cirrhosis	-10.4	41.0	-50.7	225.4	-68.7
5-15	HIV disease	-25.0	6.2	237.5	25.0	-25.0
5-16	Septicemia	-10.6	36.2	36.2	251.1	-31.9
5-17	Alzheimer's disease	3.1	-12.2	55.4	-48.6	-40.3
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	-10.0	46.7	66.7	155.0	43.3
5-19	Essential (primary) hypertension	-2.8	19.4	172.2	-36.1	-9.3
5-20	Total mortality from all causes	6.0	-6.2	19.2	9.4	-37.6
	<b>TOTAL SCORE</b>	<b>-1.0</b>	<b>148.1</b>	<b>894.7</b>	<b>596.3</b>	<b>-500.9</b>
	<b>AVERAGE SCORE</b>	<b>0.0</b>	<b>7.4</b>	<b>44.7</b>	<b>29.8</b>	<b>-25.0</b>

### 6. MORTALITY FROM INJURIES

Figure No.	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
6-1	Unintentional injuries	3.1	-14.5	-8.6	121.1	-56.7
6-2	Motor vehicle-related injuries	-14.0	-3.3	-3.3	265.3	-43.8
6-3	Fall-related injuries	3.4	-9.5	-23.3	36.2	-44.8
6-4	Drowning mortality	0.0	-23.1	100.0	69.2	53.8
6-5	Injury by firearms	10.9	-26.5	10.2	-37.4	-83.7
6-6	Drug-induced deaths	28.6	-35.1	-25.0	-42.9	-89.3
6-7	Alcohol-induced deaths	-12.6	0.0	-58.0	348.3	-86.7
6-8	Intentional self-harm (suicide)	27.9	-52.9	-47.1	-13.4	-69.2
6-9	Assault (homicide)	-42.6	29.5	170.5	95.1	-36.1
	<b>TOTAL SCORE</b>	<b>4.7</b>	<b>-135.4</b>	<b>115.4</b>	<b>841.5</b>	<b>-456.5</b>
	<b>AVERAGE SCORE</b>	<b>0.5</b>	<b>-15.0</b>	<b>12.8</b>	<b>93.5</b>	<b>-50.7</b>

### 7. AGE-SPECIFIC MORTALITY

Figure No.	Indicator	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	-12.0	-6.3	85.1	25.1	-39.4
7-2	Mortality of adolescents and young adults 15-19 years old	-7.8	-11.3	-19.9	129.8	-69.4
7-3	Mortality among adults 20-44 years old	1.8	-23.4	14.1	107.0	-65.5
7-4	Mortality among adults 45-65 years old	2.8	-20.4	27.6	22.2	-46.3
	<b>TOTAL SCORE</b>	<b>-15.2</b>	<b>-61.4</b>	<b>106.9</b>	<b>284.1</b>	<b>-220.6</b>
	<b>AVERAGE SCORE</b>	<b>-3.8</b>	<b>-15.4</b>	<b>26.7</b>	<b>71.0</b>	<b>-55.2</b>



**8. PREMATURE MORTALITY**

Figure No.	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
8-1	Median age at death from all causes	-2.6	11.7	14.3	22.1	6.5
8-2	Median age at death from all causes among males	-4.1	13.7	12.3	26.0	5.5
8-3	Median age at death from all causes among females	-1.2	7.4	14.8	17.3	7.4
8-4	Percent of total deaths before expected years of life reached	-7.8	25.3	38.3	44.4	23.2
	<b>TOTAL SCORE</b>	<b>-15.7</b>	<b>58.1</b>	<b>79.7</b>	<b>109.8</b>	<b>42.6</b>
	<b>AVERAGE SCORE</b>	<b>-3.9</b>	<b>14.5</b>	<b>19.9</b>	<b>27.5</b>	<b>10.7</b>

**9. REPORTABLE DISEASES - (Number of cases per 100,000 [persons in specified group])**

Figure No.	Indicator	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	-33.3	43.1	230.6	45.8	-75.0
9-2	Incidence of gonorrhea	-59.5	-6.0	482.2	128.0	-72.1
9-3	Incidence of chlamydia	-59.2	16.5	150.5	146.9	-71.0
9-4	Incidence of genital herpes	-33.2	-11.0	148.1	103.0	-75.7
9-5	Incidence of HIV/HIV/AIDS	-30.4	23.9	225.0	23.9	-13.0
	<b>TOTAL SCORE</b>	<b>-215.6</b>	<b>66.5</b>	<b>1236.4</b>	<b>447.6</b>	<b>-306.8</b>
	<b>AVERAGE SCORE</b>	<b>-43.1</b>	<b>13.3</b>	<b>247.3</b>	<b>89.5</b>	<b>-61.4</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>TOTAL SCORE</b>	<b>-727.5</b>	<b>217.1</b>	<b>3345.3</b>	<b>3404.3</b>	<b>-2319.5</b>
	<b>AVERAGE SCORE</b>	<b>-10.4</b>	<b>3.1</b>	<b>47.8</b>	<b>48.6</b>	<b>-33.1</b>



# **RANK ORDER IN 2011**



## RANK ORDER IN 2011

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

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

### 1. TEEN PREGNANCIES

Figure No.	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	2.0	5.0	3.0	4.0	1.0
1-2	Pregnancies among females 14 and younger	1.0	4.5	4.5	3.0	2.0
1-3	Pregnancies among females 15-17 years old	2.0	5.0	3.0	4.0	1.0
1-4	Pregnancies among females 18-19 years old	2.0	5.0	3.0	4.0	1.0
	<b>SUM OF RANKS</b>	<b>7.0</b>	<b>19.5</b>	<b>13.5</b>	<b>15.0</b>	<b>5.0</b>
	<b>AVERAGE RANK</b>	<b>1.8</b>	<b>4.9</b>	<b>3.4</b>	<b>3.8</b>	<b>1.3</b>

### 2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

Figure No.	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2-1	Unmarried mothers	2.0	3.0	4.0	5.0	1.0
2-2	Tobacco use during pregnancy	4.5	2.0	4.5	3.0	1.0
2-3	Alcohol use during pregnancy	3.5	1.0	3.5	5.0	2.0
2-4	Chronic hypertension	3.0	2.0	5.0	4.0	1.0
2-5	Dysfunctional labor	3.0	1.0	2.0	5.0	4.0
2-6	Anemia during pregnancy	3.0	2.0	4.0	5.0	1.0
2-7	Diabetes during pregnancy	1.0	3.0	2.0	5.0	4.0
2-8	Pregnancy associated hypertension	3.0	2.0	4.0	5.0	1.0
2-9	Genital herpes during pregnancy	4.0	1.0	5.0	2.0	3.0
2-10	Weight gain of less than 21 pounds	1.0	4.0	3.0	5.0	2.0
	<b>SUM OF RANKS</b>	<b>28.0</b>	<b>21.0</b>	<b>37.0</b>	<b>44.0</b>	<b>20.0</b>
	<b>AVERAGE RANK</b>	<b>2.8</b>	<b>2.1</b>	<b>3.7</b>	<b>4.4</b>	<b>2.0</b>

### 3. UTILIZATION OF PRENATAL CARE SERVICES

Figure No.	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 1st trimester	1.0	4.0	3.0	5.0	2.0
3-2	Fewer than five prenatal visits	1.0	4.0	3.0	5.0	2.0
3-3	No prenatal care	1.0	4.5	3.0	4.5	2.0
	<b>SUM OF RANKS</b>	<b>3.0</b>	<b>12.5</b>	<b>9.0</b>	<b>14.5</b>	<b>6.0</b>
	<b>AVERAGE RANK</b>	<b>1.0</b>	<b>4.2</b>	<b>3.0</b>	<b>4.8</b>	<b>2.0</b>

### 4. NEWBORN'S HEALTH

Figure No.	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
4-1	Hyaline membrane disease	3.5	3.5	5.0	2.0	1.0
4-2	Newborn intensive care	4.0	2.5	5.0	1.0	2.5
4-3	Born too early (preterm or < 37 weeks)	3.5	3.5	5.0	1.5	1.5
4-4	Born too small: low-birthweight (<2,500 grams)	2.0	1.0	5.0	3.0	4.0
4-5	Born too small: very low-birthweight (<1,500 grams)	2.0	2.0	5.0	4.0	2.0
4-6	Incidence of congenital anomalies (birth defects)	3.5	3.5	2.0	5.0	1.0
4-7	Infant mortality	2.0	5.0	4.0	3.0	1.0
4-8	Sudden Infant Death Syndrome (SIDS)	2.0	3.5	5.0	3.5	1.0
4-9	Mortality of infants from low birthweight/short gestation	1.0	3.0	4.0	5.0	2.0
4-10	Neonatal mortality	2.0	5.0	4.0	3.0	1.0
4-11	Postneonatal mortality	2.0	3.0	4.0	5.0	1.0
	<b>SUM OF RANKS</b>	<b>27.5</b>	<b>35.5</b>	<b>48.0</b>	<b>36.0</b>	<b>18.0</b>
	<b>AVERAGE RANK</b>	<b>2.5</b>	<b>3.2</b>	<b>4.4</b>	<b>3.3</b>	<b>1.6</b>

### 5. MORTALITY FROM NATURAL CAUSES - Chronic or infectious diseases

Figure No.	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
5-1	Cardiovascular diseases	4.0	3.0	5.0	2.0	1.0
5-2	Diseases of the heart	4.0	3.0	5.0	2.0	1.0
5-3	Coronary heart disease	4.0	3.0	5.0	2.0	1.0
5-4	Cerebrovascular disease	3.0	4.0	5.0	2.0	1.0
5-5	Chronic lower respiratory diseases	5.0	3.0	4.0	1.0	2.0
5-6	Malignant neoplasms (cancer)	5.0	3.0	4.0	1.0	2.0
5-7	Lung cancer	5.0	3.0	4.0	1.0	2.0
5-8	Breast cancer	4.0	2.0	5.0	1.0	3.0
5-9	Cervical cancer	1.0	5.0	2.0	4.0	3.0
5-10	Colorectal cancer	4.0	2.0	5.0	1.0	3.0
5-11	Prostate cancer	3.0	4.0	5.0	2.0	1.0
5-12	Influenza and pneumonia	3.0	4.0	1.0	5.0	2.0
5-13	Diabetes	1.0	3.0	4.0	5.0	2.0
5-14	Chronic liver disease and cirrhosis	3.0	4.0	2.0	5.0	1.0
5-15	HIV disease	1.5	3.0	5.0	4.0	1.5
5-16	Septicemia	2.0	3.5	3.5	5.0	1.0
5-17	Alzheimer's disease	4.0	3.0	5.0	1.0	2.0
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	1.0	3.0	4.0	5.0	2.0
5-19	Essential (primary) hypertension	3.0	4.0	5.0	1.0	2.0
5-20	Total mortality from all causes	3.0	2.0	5.0	4.0	1.0
	<b>SUM OF RANKS</b>	<b>63.5</b>	<b>64.5</b>	<b>83.5</b>	<b>54.0</b>	<b>34.5</b>
	<b>AVERAGE RANK</b>	<b>3.2</b>	<b>3.2</b>	<b>4.2</b>	<b>2.7</b>	<b>1.7</b>

### 6. MORTALITY FROM INJURIES

Figure No.	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
6-1	Unintentional injuries	4.0	2.0	3.0	5.0	1.0
6-2	Motor vehicle-related injuries	2.0	3.5	3.5	5.0	1.0
6-3	Fall-related injuries	4.0	3.0	2.0	5.0	1.0
6-4	Drowning mortality	2.0	1.0	5.0	4.0	3.0
6-5	Injury by firearms	5.0	3.0	4.0	2.0	1.0
6-6	Drug-induced deaths	5.0	3.0	4.0	2.0	1.0
6-7	Alcohol-induced deaths	3.0	4.0	2.0	5.0	1.0
6-8	Intentional self-harm (suicide)	5.0	2.0	3.0	4.0	1.0
6-9	Assault (homicide)	1.0	3.0	5.0	4.0	2.0
	<b>SUM OF RANKS</b>	<b>31.0</b>	<b>24.5</b>	<b>31.5</b>	<b>36.0</b>	<b>12.0</b>
	<b>AVERAGE RANK</b>	<b>3.4</b>	<b>2.7</b>	<b>3.5</b>	<b>4.0</b>	<b>1.3</b>

### 7. AGE-SPECIFIC MORTALITY

Figure No.	Indicator	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	2.0	3.0	5.0	4.0	1.0
7-2	Mortality of adolescents and young adults 15-19 years old	4.0	3.0	2.0	5.0	1.0
7-3	Mortality among adults 20-44 years old	3.0	2.0	4.0	5.0	1.0
7-4	Mortality among adults 45-65 years old	3.0	2.0	5.0	4.0	1.0
	<b>SUM OF RANKS</b>	<b>12.0</b>	<b>10.0</b>	<b>16.0</b>	<b>18.0</b>	<b>4.0</b>
	<b>AVERAGE RANK</b>	<b>3.0</b>	<b>2.5</b>	<b>4.0</b>	<b>4.5</b>	<b>1.0</b>

### 8. PREMATURE MORTALITY

Figure No.	Indicator	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
8-1	Median age at death from all causes	1.0	3.0	4.0	5.0	2.0
8-2	Median age at death from all causes among males	1.0	4.0	3.0	5.0	2.0
8-3	Median age at death from all causes among females	1.0	2.5	4.0	5.0	2.5
8-4	Percent of total deaths before expected years of life reached	1.0	3.0	4.0	5.0	2.0
	<b>SUM OF RANKS</b>	<b>4.0</b>	<b>12.5</b>	<b>15.0</b>	<b>20.0</b>	<b>8.5</b>
	<b>AVERAGE RANK</b>	<b>1.0</b>	<b>3.1</b>	<b>3.8</b>	<b>5.0</b>	<b>2.1</b>

### 9. REPORTABLE DISEASES - (Number of cases per 100,000 persons in specified group)

Figure No.	Indicator	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	2.0	3.0	5.0	4.0	1.0
9-2	Incidence of gonorrhea	2.0	3.0	5.0	4.0	1.0
9-3	Incidence of chlamydia	2.0	3.0	5.0	4.0	1.0
9-4	Incidence of genital herpes	2.0	3.0	5.0	4.0	1.0
9-5	Incidence of HIV/AIDS	1.0	3.5	5.0	3.5	2.0
	<b>SUM OF RANKS</b>	<b>9.0</b>	<b>15.5</b>	<b>25.0</b>	<b>19.5</b>	<b>6.0</b>
	<b>AVERAGE RANK</b>	<b>1.8</b>	<b>3.1</b>	<b>5.0</b>	<b>3.9</b>	<b>1.2</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>185.0</b>	<b>215.5</b>	<b>278.5</b>	<b>257.0</b>	<b>114.0</b>
	<b>AVERAGE RANKS BASED ON 70 MEASUREMENTS</b>	<b>2.6</b>	<b>3.1</b>	<b>4.0</b>	<b>3.7</b>	<b>1.6</b>





# **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 and 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 conduct surveillance and monitoring of these reportable diseases and provided data for section 9 in this report.

Population denominators for Arizona residents, used to calculate rates for 2011 and other intercensal years, utilize the best available data sources. They are described in detail at <http://www.azdhs.gov/plan/menu/info/pd.htm>.

Almost all figures are based on rates and ratios published in the **2011 Arizona Health Status and Vital Statistics** report and available online at <http://www.azdhs.gov/plan/report/ahs/ahs2011/toc11.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).
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 is 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 is 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 is 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 is 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 is 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.
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 is death of a live born 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 is any death of a live born 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 100,000 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.
7-2	Mortality of adolescents 15-19 years old	The number of deaths per 100,000 adolescents 15-19 years old.
7-3	Mortality of young adults 20-44 years old	The number of deaths per 100,000 young adults 20-44 years old.
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.

## 8. PREMATURE MORTALITY

Figure number	Indicators	Definition
8-1	Median age at death from all causes	The median age (the age in the middle) of death for Arizonans.
8-2	Median age at death from all causes among males	The median age (the age in the middle) of death for Arizona males.
8-3	Median age at death from all causes among females	The median age (the age in the middle) of death for Arizona females.
8-4	Percent of total deaths before expected years of life reached	The number of deaths before reaching the life expectancy of all U.S. residents per 100 deaths.

## 9. REPORTABLE DISEASES

Figure number	Indicators	Definition
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. The estimated incidence of HIV/AIDS includes the sum of new HIV cases and new AIDS cases which were not diagnosed as HIV positive in any prior calendar year. The cases of persons who were diagnosed with both HIV and AIDS in the same calendar year are counted only as AIDS to avoid double counting.

## 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 A	2011 population B	2011 deaths C	Age-specific rates in 2011 D (C/B)*100000	2000 standard E	Age-adjusted rate for 2011 F D*E
<1	88,211	504	571.4	.013818	7.9
1-4	370,926	106	28.6	.055317	1.6
5-14	909,069	118	13.0	.145565	1.9
15-24	910,452	671	73.7	.138646	10.2
25-34	863,216	950	110.1	.135573	14.9
35-44	828,783	1,466	176.9	.162613	28.8
45-54	848,406	3,368	397.0	.134834	53.5
55-64	731,162	6,030	824.7	.087247	72.0
65-74	501,370	8,170	1629.5	.066037	107.6
75-84	282,492	11,986	4243.0	.044842	190.3
85+	104,091	14,162	13605.4	.015508	211.0
All ages	6,438,178	47,547		TOTAL	<b>Σ = 699.6</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.



# **POPULATION DENOMINATORS**



**POPULATION BY RACE/ETHNICITY:  
ARIZONA RESIDENTS, 1991, 2001, AND 2011**

<b>Racial/ethnic group</b>	<b>1991</b>	<b>2001</b>	<b>2011</b>	<b>Percent increase from 1991 to 2011</b>
<b>All Groups</b>	3,788,576	5,307,331	6,438,178	<b>69.9</b>
<b>White Non-Hispanic</b>	2,685,338	3,387,025	3,779,432	<b>40.7</b>
<b>Hispanic or Latino</b>	695,103	1,340,240	1,827,753	<b>162.9</b>
<b>Black or African American</b>	121,994	164,344	270,944	<b>122.1</b>
<b>American Indian or Alaska Native</b>	222,457	264,690	360,414	<b>62.0</b>
<b>Asian or Pacific Islander</b>	63,684	102,377	199,635	<b>213.5</b>

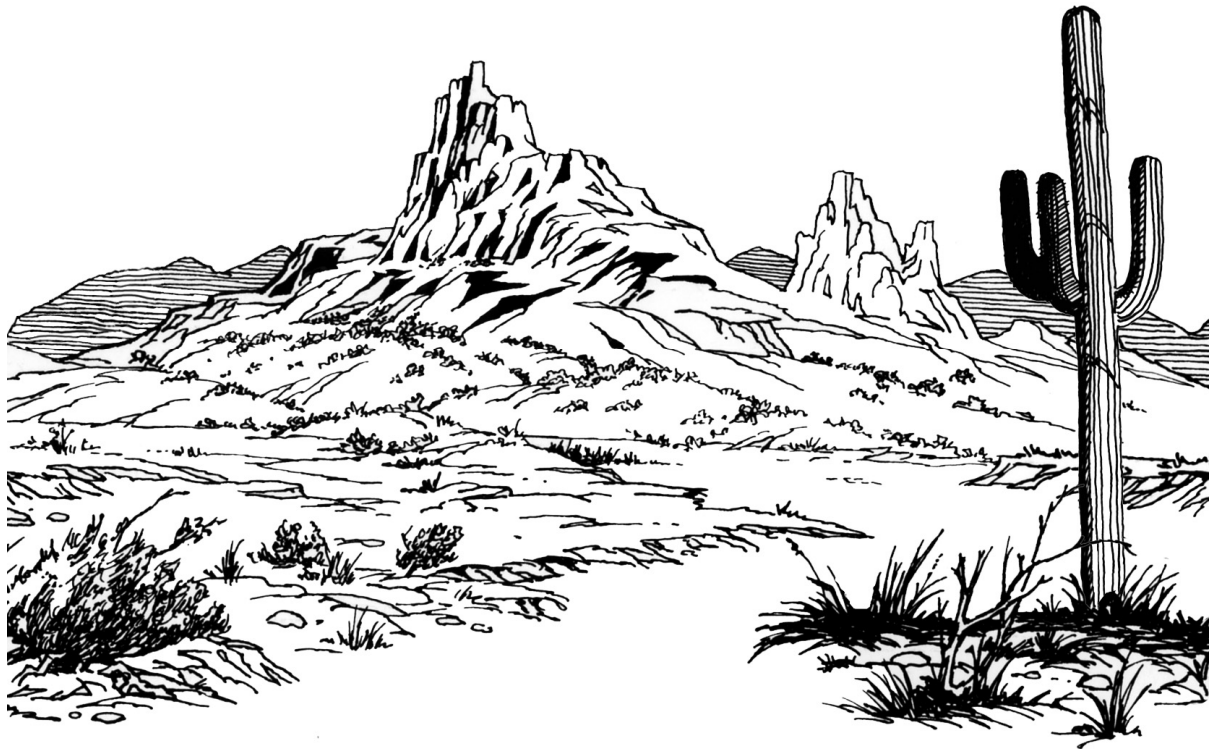
Note: Two data sources were utilized to produce the 2011 population denominators. First, "July 2011 Population Estimates for Arizona Counties", released by the Office of the State Demographer provided population estimates at the county-level. It is important to note that the data tabulated above match the July 2011 estimates. Second, the information about the population breakdowns by age, gender, and race/ethnicity is based on "April 1, 2010 Bridged-Race Population Estimates" available online on the National Vital Statistics website.

**ESTIMATED POPULATION BY AGE GROUP, GENDER AND RACE/ETHNICITY, ARIZONA, 2011**

		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total
<b>All groups</b>	<b>Total</b>	88,211	370,926	909,069	910,452	863,216	828,783	848,406	731,162	501,370	282,492	104,091	6,438,178
	<b>Male</b>	44,987	189,322	463,669	470,084	441,190	419,310	417,810	347,989	237,874	128,628	37,996	3,198,859
	<b>Female</b>	43,224	181,604	445,400	440,368	422,026	409,473	430,596	383,173	263,496	153,864	66,095	3,239,319
<b>White non-Hispanic</b>	<b>Total</b>	36,480	154,568	397,202	436,837	446,832	456,355	560,099	552,627	409,027	238,263	91,143	3,779,432
	<b>Male</b>	18,648	79,082	203,351	225,318	228,648	235,669	276,165	263,749	196,316	110,119	33,384	1,870,448
	<b>Female</b>	17,832	75,486	193,851	211,519	218,184	220,687	283,934	288,878	212,711	128,144	57,759	1,908,984
<b>Hispanic or Latino</b>	<b>Total</b>	37,507	157,628	372,130	328,318	285,020	254,832	185,843	112,120	57,504	28,542	8,310	1,827,753
	<b>Male</b>	19,095	80,451	189,509	168,846	145,154	124,611	91,690	53,555	26,021	12,048	3,033	914,012
	<b>Female</b>	18,412	77,177	182,621	159,472	139,866	130,222	94,153	58,565	31,483	16,494	5,277	913,741
<b>Black or African American</b>	<b>Total</b>	4,599	18,732	46,147	48,196	41,113	37,522	34,713	22,183	11,193	5,006	1,540	270,944
	<b>Male</b>	2,371	9,652	23,875	25,947	22,268	20,245	18,320	11,282	5,289	2,142	473	141,864
	<b>Female</b>	2,228	9,080	22,272	22,249	18,845	17,277	16,393	10,901	5,904	2,864	1,067	129,080
<b>American Indian or Alaska Native</b>	<b>Total</b>	6,993	28,868	66,849	69,012	53,923	44,633	41,645	26,185	13,871	6,399	2,036	360,414
	<b>Male</b>	3,536	14,513	33,686	35,097	27,678	22,134	19,862	12,210	6,136	2,630	735	178,217
	<b>Female</b>	3,457	14,355	33,163	33,915	26,245	22,499	21,783	13,975	7,735	3,769	1,301	182,197
<b>Asian or Pacific Islander</b>	<b>Total</b>	2,632	11,130	26,741	28,090	36,329	35,441	26,106	18,047	9,775	4,282	1,062	199,635
	<b>Male</b>	1,337	5,624	13,248	14,876	17,443	16,652	11,773	7,193	4,112	1,689	371	94,318
	<b>Female</b>	1,295	5,506	13,493	13,214	18,886	18,789	14,333	10,854	5,663	2,593	691	105,317



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 the Health Status Among Race/Ethnic Groups*, *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, falls among Arizonans 65 years or older), hospital inpatient and emergency room statistics for *mental disorders, asthma, diabetes, influenza and pneumonia*, and *substance abuse*, *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*, *Deaths from Exposure to Excessive Natural Heat Occurring in Arizona*, *Obesity in Arizona: Prevalence, Hospital Care Utilization, Mortality, Marital Status, and Health*, *Heart Disease vs. Cancer: An Epidemiologic Transition in Mortality Risks*.



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