

DIFFERENCES IN THE HEALTH STATUS AMONG RACIAL/ETHNIC GROUPS

ARIZONA, 2019



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Differences in the Health Status Among Racial/Ethnic Groups, Arizona, 2019

BY

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Differences in Health Status among Racial/Ethnic Groups, Arizona, 2019

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PURPOSE

Differences in Health Status among Racial/Ethnic Groups, Arizona, 2019 is drawn upon information reported to the Department (see Source of Data on page 139). The report provides population-level data concerning differences in the 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 65 indicators (prior to the 2013 report there were 70 indicators) or measures of health status. Due to the implementation of the revised birth certificate, the 2019 report will reflect 65 indicators. 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) 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 2019*** while the tabulated values also are available in the ***Comparative Rates and Ratios for 2009-2019*** section of the report.

The report also provides comparative risk profiles, as well as scores and rankings of racial/ethnic groups on each of the 65 health status measures. The comparisons of rates and ratios, as well as scores and rankings, are intended to present the extent 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 7,189,020 Arizona residents in 2019, approximately 3,981,049 (55.4 percent) were White non-Hispanic, 2,279,253 (31.7 percent) were Hispanic or Latino, Black or African Americans accounted for 352,121 or (4.9 percent), 299,123 (4.2 percent) were American Indian or Alaska Native, and Asian or Pacific Islanders, the smallest racial/ethnic group, represented 3.9 percent 277,474 people, of the state's population.

Racial/ethnic minority groups have greater percentages of people younger than 25 years (42.6 percent) when compared with White non-Hispanics (24.3 percent). In contrast, people aged 65 years and older accounted for (25.4 percent) of White non-Hispanics, but only (7.9 percent) of all racial/ethnic minority groups combined. In 2019, among Arizonans less than 25 years old, (58.5 percent) more than half were a race/ethnicity other than White non-Hispanic. Among the Arizona's adults 65 years old or older, (80.0 percent) eight out of ten were White non-Hispanic (**Table A**).

Table A. POPULATION BY AGE GROUP AND RACE/ETHNICITY, ARIZONA, 2019

POPULATION BY AGE GROUP IN 2019	All groups	White non- Hispanic	Other than White non-Hispanic ^a				
			Total	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
< 25 years	2,335,707	968,725	1,366,982	1,019,008	140,419	119,783	87,772
Percent	32.5%	24.3%	42.6%	44.7%	39.9%	40.0%	31.6%
25-64 years	3,589,095	2,001,282	1,587,813	1,097,998	180,614	150,033	159,168
Percent	49.9%	50.3%	49.5%	48.2%	51.3%	50.2%	57.4%
65+ years	1,264,218	1,011,042	253,176	162,247	31,088	29,307	30,534
Percent	17.6%	25.4%	7.9%	7.1%	8.8%	9.8%	11.0%
Total, all ages ^b	7,189,020	3,981,049	3,207,971	2,279,253	352,121	299,123	277,474
Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note: ^a Includes groups other than Hispanic, Black, American Indian, and Asian; ^b Includes unknown age.

Mortality patterns by age group in Arizona show similar contrasts between race/ethnicity groups. In 2019, the elderly (65 years and older) comprised 79.4 percent of the total mortality among White non-Hispanics, compared to 69.4 percent among Asians, 59.0 percent among Hispanics, 53.7 percent among Blacks, and 45.1 percent among American Indians. Only 1.3 percent of White non-Hispanics who died in 2019 were less than 25 years old. In comparison, (6.2 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, 2019

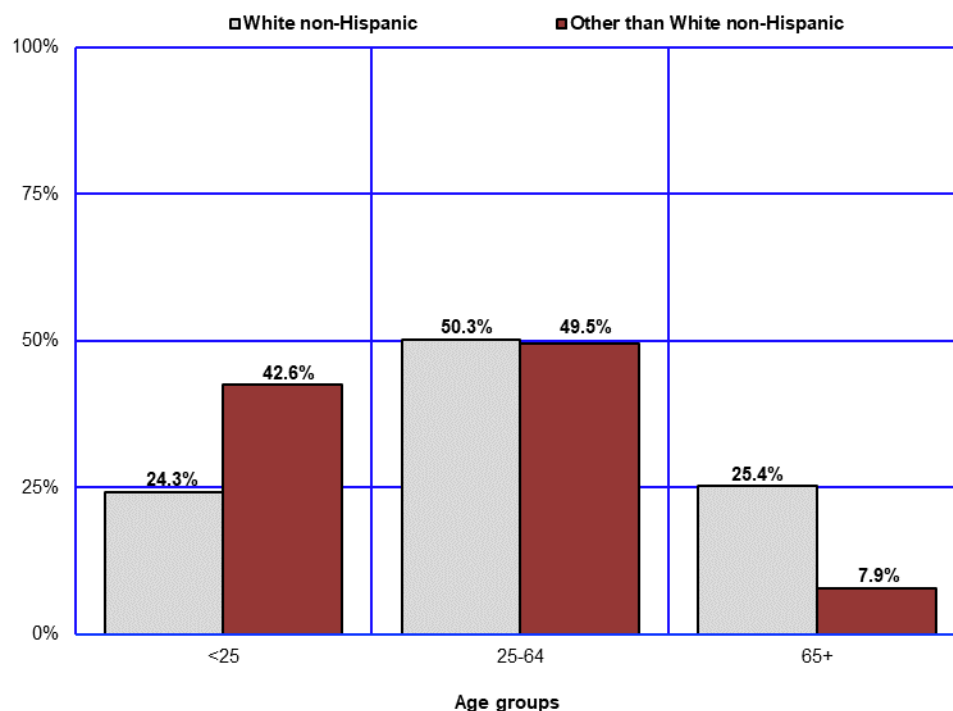
MORTALITY BY AGE GROUP IN 2019	All groups	White non- Hispanic	Other than White non-Hispanic ^a				
			Total	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
< 25 years	1,497	580	917	582	155	139	34
Percent	2.5%	1.3%	6.2%	6.9%	7.0%	5.3%	3.6%
25-64 years	14,264	8,764	5,500	2,895	867	1,289	259
Percent	23.7%	19.3%	37.4%	34.1%	39.3%	49.6%	27.1%
65+ years	44,398	36,122	8,276	5,011	1,185	1,171	664
Percent	73.8%	79.4%	56.3%	59.0%	53.7%	45.1%	69.4%
Total, all ages ^b	60,161	45,467	14,694	8,488	2,207	2,599	957
Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note: ^a Includes groups other than Hispanic, Black, American Indian, and Asian; ^b Includes unknown age; Source: The 2019 death certificate file for Arizona residents.

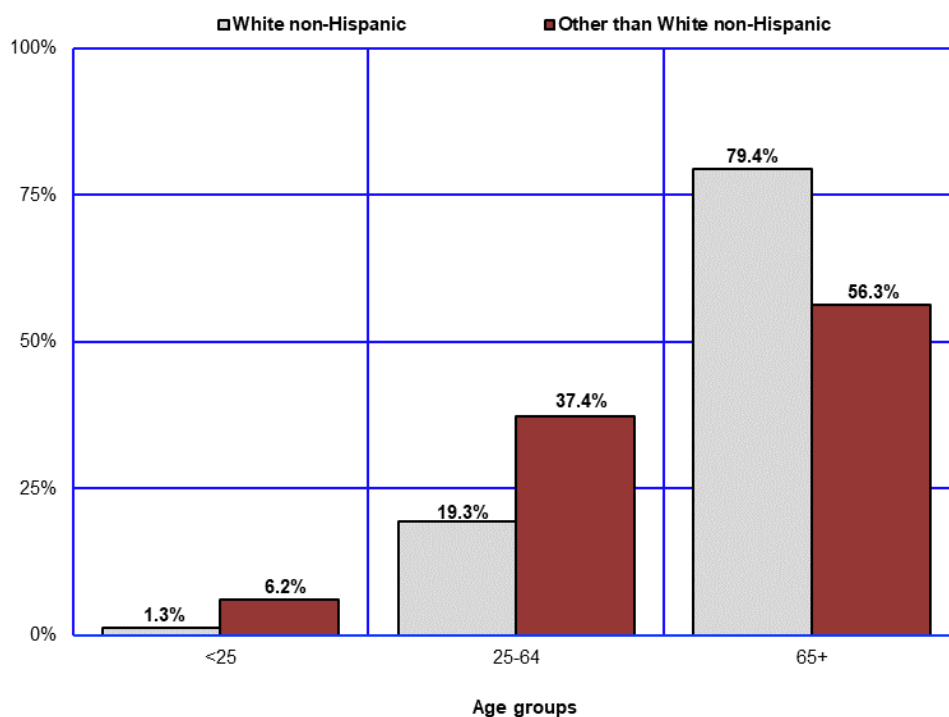
In 2019, the absolute majority of deaths of American Indian (54.9 percent) and Black (46.3 percent) residents of Arizona occurred before the age of 65 years, compared to 20.6 percent among White non-Hispanics.

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, 2019



Percent distribution of deaths by age group and race/ethnicity, Arizona, 2019



METHODS

The 65 indicators presented in this report are individual measures of various dimensions or facets of health status. By calculating overall scores and rankings it is possible to provide a summary measure representing the relative standing of each racial/ethnic group across a broad range of health status issues.

Scores indicate the percentage points a racial/ethnic group falls 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.¹

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 ranked 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 2009-2019** 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 analysis 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.

Moreover, some natality trend analyses are compromised due to the adoption on January 1, 2014 of the 2003 U.S. Certificate of live birth, a revised version of the 1989 Standard Certificate of birth.

The revision of the birth certificate has introduced some major changes on several items including but not limited to *month prenatal began*, *weight gain during pregnancy*, *tobacco use during pregnancy*, and *congenital anomalies*. Several checkboxes included in these categories were revised or are completely new to the 2003 form. Hence, rates on the selected items published in this report are not comparable to rates prior to 2014.

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.²

Prior editions of this report were published biennially from 1995 to 2013. This report uses the same methodology as the 1997 through 2013 editions, so that average scores and average ranks (but not mortality rates published before 2000) are directly comparable.

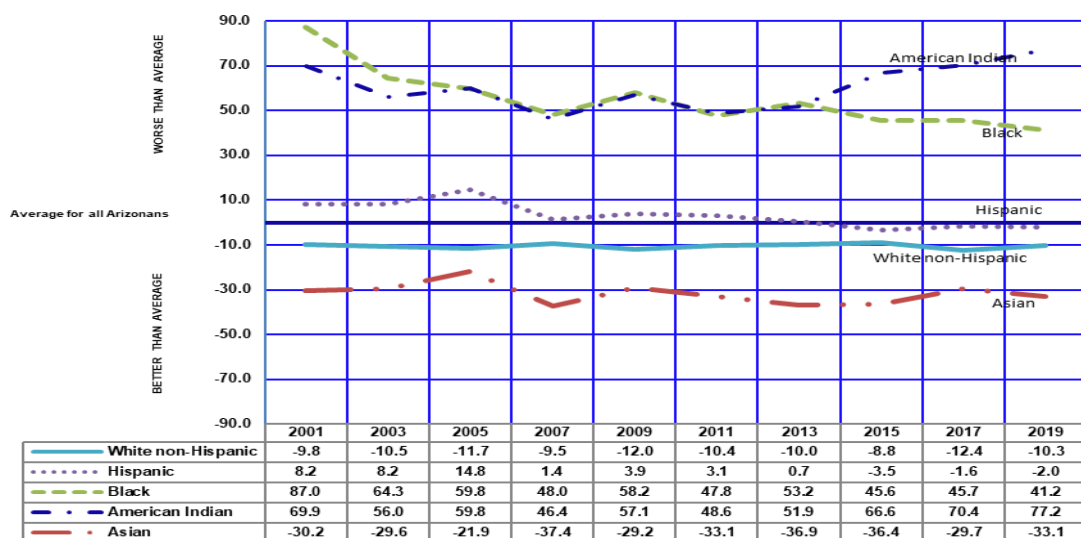
¹ For consistency, the signs + and - for scores indicating the median age at death as higher or lower than the statewide average were reversed (indicators 8-1, 8-2, 8-3). Otherwise, a higher-than-average median age at death would indicate worse than average standing on this indicator.

² A comparison of the median with the mean age at death in Arizona by race/ethnicity, gender, and year for 2009-2019 is available in Table 2D-1 of "Arizona Health Status and Vital Statistics 2019" report at <https://pub.azdhs.gov/health-stats/report/ahs/ahs2019/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 2019, Asian or Pacific Islander at -33.1) to the highest (the least favorable standing for 2019, American Indians at 77.2), an increase of (110.3) from 103.0 in 2015 and 100.1 in 2017 (**Figure A**). From 2011 to 2015, Asians and White non-Hispanics continued to experience favorable change among the racial/ethnic groups, meaning that their average scores decreased, while American Indians show an increase in their average scores. (**Figure A**).

Figure A
Comparison of Average Scores by Race/Ethnicity in
2001, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, and 2019



In 2019, 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 65 Indicators, Arizona 2019

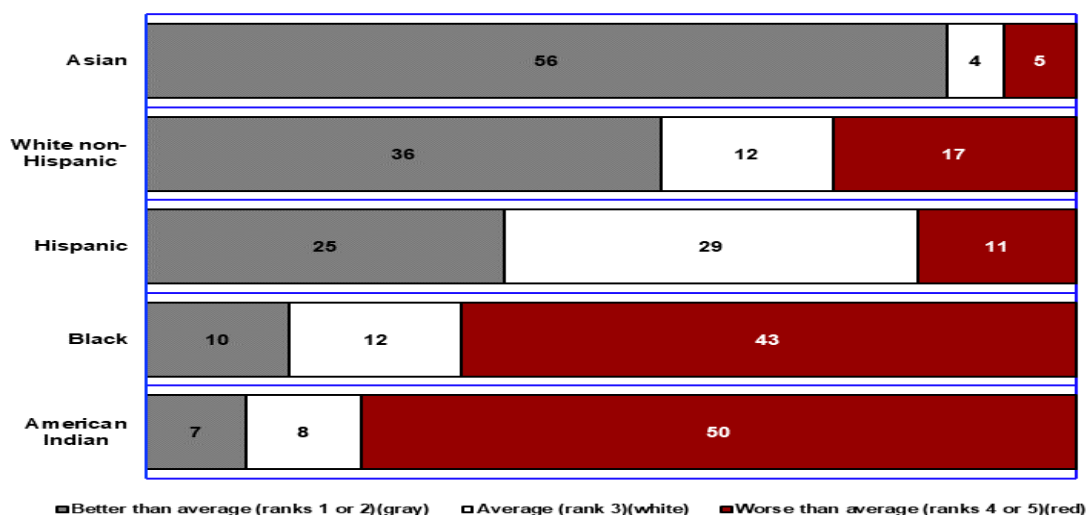
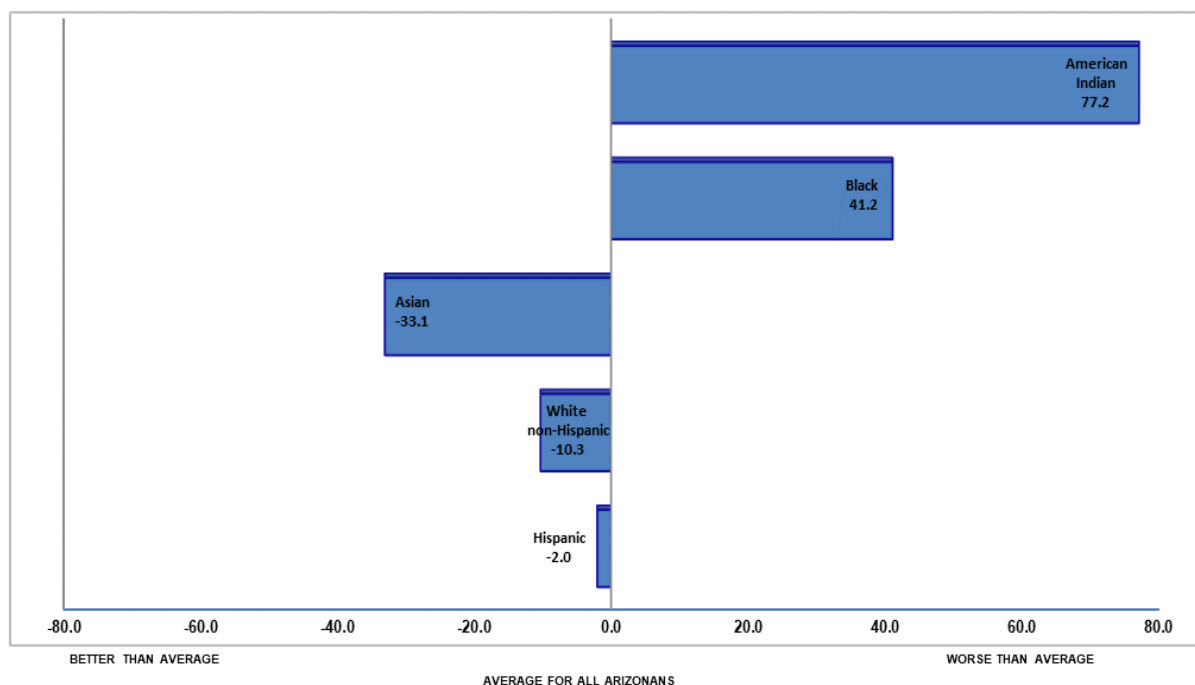


Figure C
Average Scores in 2019

(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: -2,148.4

Average score: -33.1**

In 2019, Asian residents of Arizona ranked best or second best among all racial/ethnic groups on 56 of 65 indicators, including low incidence of drug or alcohol induced deaths, low postneonatal mortality, and low mortality from reportable diseases, chronic diseases, and injuries. The age-adjusted mortality rate of 421.6 deaths per 100,000 Asian or Pacific Islander residents of the state was the lowest rate among all racial/ethnic groups, while the median age at death was the second highest among the racial/ethnic groups in Arizona. Trends comparison showed a reduced risk of poor health outcomes among Asian residents in 2019 (average score -33.1) compared to 2017 (average score -29.7).

* The average rank based on all 65 measurements (the sum of the ranks divided by 65 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 65 measurements (the sum of all scores divided by 65 measurements). See section SCORES IN 2019.

WHITE NON-HISPANICS

Average rank: 2.5

Total score: -669.2

Average score: -10.3

White non-Hispanics ranked second best in relative healthiness among racial/ethnic groups in Arizona. They ranked 1st or 2nd on 36 of 65 measures of health, including low teen pregnancy rates, high utilization of prenatal care, and low premature mortality. White non-Hispanics continued to rank worse than all other racial/ethnic groups in mortality due to chronic lower respiratory diseases, drug-induced deaths, and suicide. In 2019, their average health status score of -10.3 indicated deterioration in some of the health measures compared to 2017 (average score -12.4). However, their age-adjusted mortality rate of 674.5 deaths per 100,000 in 2019, was lower than the total mortality rate of 681.4 in 2017.

HISPANICS or LATINOS

Average rank: 2.9

Total score: -128.9

Average score: -2.0

In 2019 Hispanics retained a 3rd place health ranking. Hispanics ranked best or second best on 25 indicators in 2019, unchanged in 2017 and a slight decrease from 26 in 2015. They ranked worse than average in many indicators including but not limited to mortality due to cerebrovascular disease, cervical cancer, influenza and pneumonia, chronic liver disease and cirrhosis, and in high teen pregnancy rates, and low utilization of prenatal care. They ranked better than average with low 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 2009-2019*** provide a detailed picture of changes over time for all of the 65 measures.

BLACKS or AFRICAN AMERICANS

Average rank: 3.8

Total score: 2, 675.6

Average score: 41.2

Overall health status of Blacks or African American has improved as shown in a decrease of the average score from 87.0 in 2001 to 41.2 in 2019. Despite this improvement, Blacks or African Americans ranked 4th among the five racial/ethnic groups on 43 of 65 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 chronic liver disease and cirrhosis, influenza and pneumonia, fall-related injuries, and alcohol-induced deaths.

AMERICAN INDIANS or ALASKA NATIVES

Average rank: 4.2

Total score: 5,017.3

Average score: 77.2

In 2019, American Indian residents had the highest average score among all racial/ethnic groups in Arizona. The overall health status of American Indians is affected by poor health outcomes on a number of health indicators including but not limited to 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 2019, compared to White non-Hispanics, American Indian residents of Arizona were on-average 16 years younger at time of death.

COMPARATIVE CAUSE-SPECIFIC

In 2019, diseases of the heart were the leading cause of death for three of the five racial/ethnic groups in Arizona: White non-Hispanics, Black or African Americans, and American Indians or Alaska Natives (**Figure D**). The number one leading cause of death for Hispanics or Latinos and Asians or Pacific Islanders was cancer, while being the 2nd leading cause of death for White non-Hispanics, Blacks or African Americans, and American Indians or Alaska Natives. Unintentional injury was the 3rd cause of death for White non-Hispanics, Hispanic or Latinos, Black or African Americans, and American Indians or Alaska Natives, but the 4th for Asians or Pacific Islanders. Chronic lower respiratory diseases were the fourth leading cause of death for only White non-Hispanics. Cerebrovascular disease was the 3rd leading cause of death for Asians and 5th for Blacks in 2019. Diabetes was among the top five causes of death for all racial/ethnic groups except the White non-Hispanics. Alzheimer's disease came in 4th as the leading cause of death to Black or African Americans, and 5th leading cause of death to White non-Hispanics, while chronic liver disease and cirrhosis was the fifth leading cause of death specific to American Indians.

Figure D
Comparative Age-Adjusted Mortality Rates for the Five Leading Causes of Death
by Race/Ethnicity in Arizona in 2019

Rank	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
1	Diseases of heart 140.4	Cancer 118.3	Diseases of heart 188.3	Diseases of heart 132.8	Cancer 98.4
2	Cancer 136.9	Diseases of heart 107.9	Cancer 173.5	Cancer 132.3	Diseases of heart 86.7
3	Unintentional injury 60.5	Unintentional injury 48.3	Unintentional injury 60.4	Unintentional injury 129.4	Cerebrovascular disease 23.2
4	Chronic lower respiratory diseases 43.7	Diabetes 34.6	Alzheimer's disease 44.8	Diabetes 91.4	Unintentional injury 22.9
5	Alzheimer's disease 33.6	Cerebrovascular disease 33.9	Diabetes 43.6	Chronic liver disease and cirrhosis 82.7	Diabetes 19.5

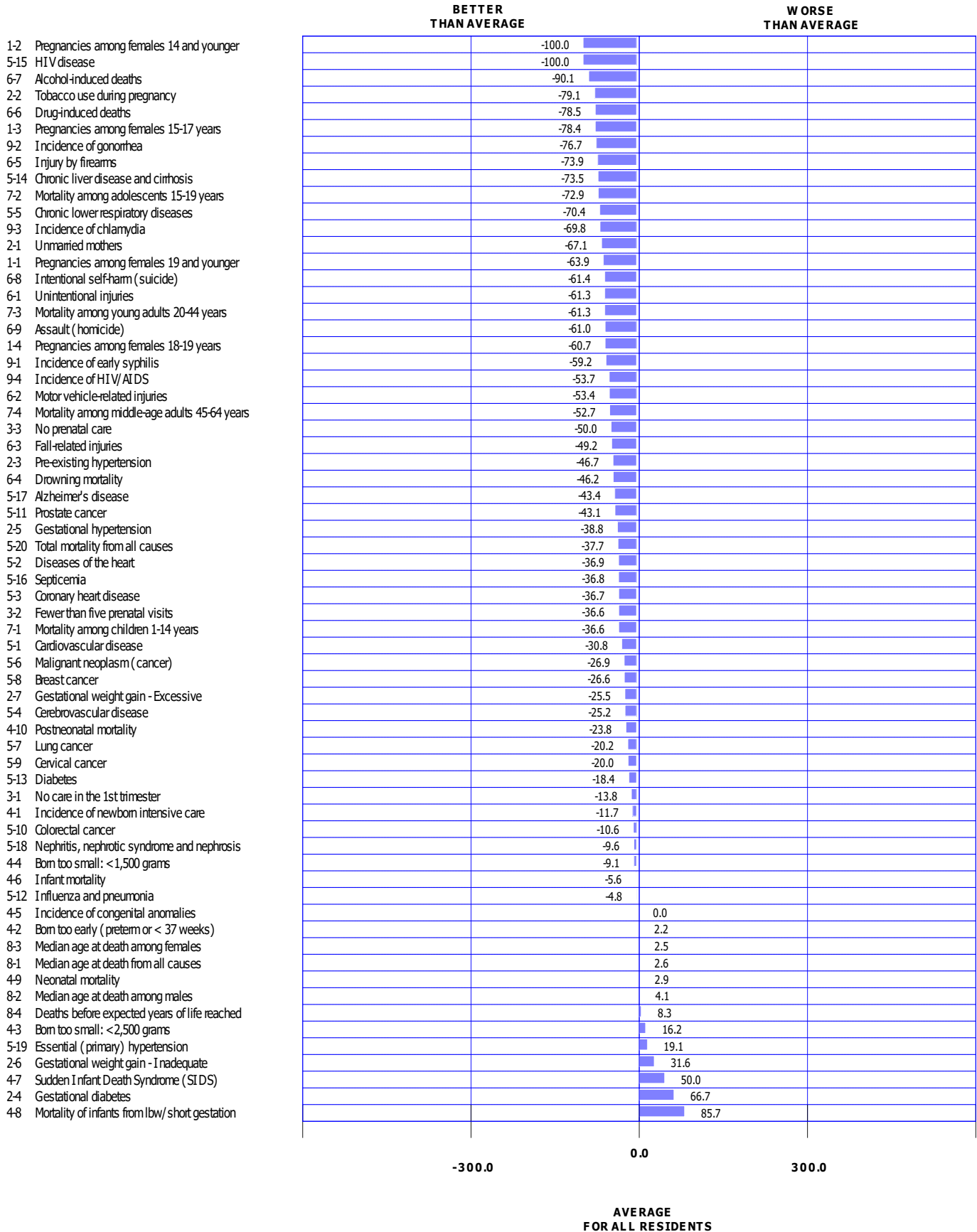
COMPARATIVE RATES AND RATIOS FOR 2009 and 2019

The 130 bar charts provide both a snapshot of differences between the racial/ethnic groups in Arizona in 2019, as well as a measure of change since 2009. More detailed comparisons over time are available in a special section of the report (**Comparative Rates and Ratios for 2009 – 2019**) that documents specific changes by year from 2009 through 2019 on the 65 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 65 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)

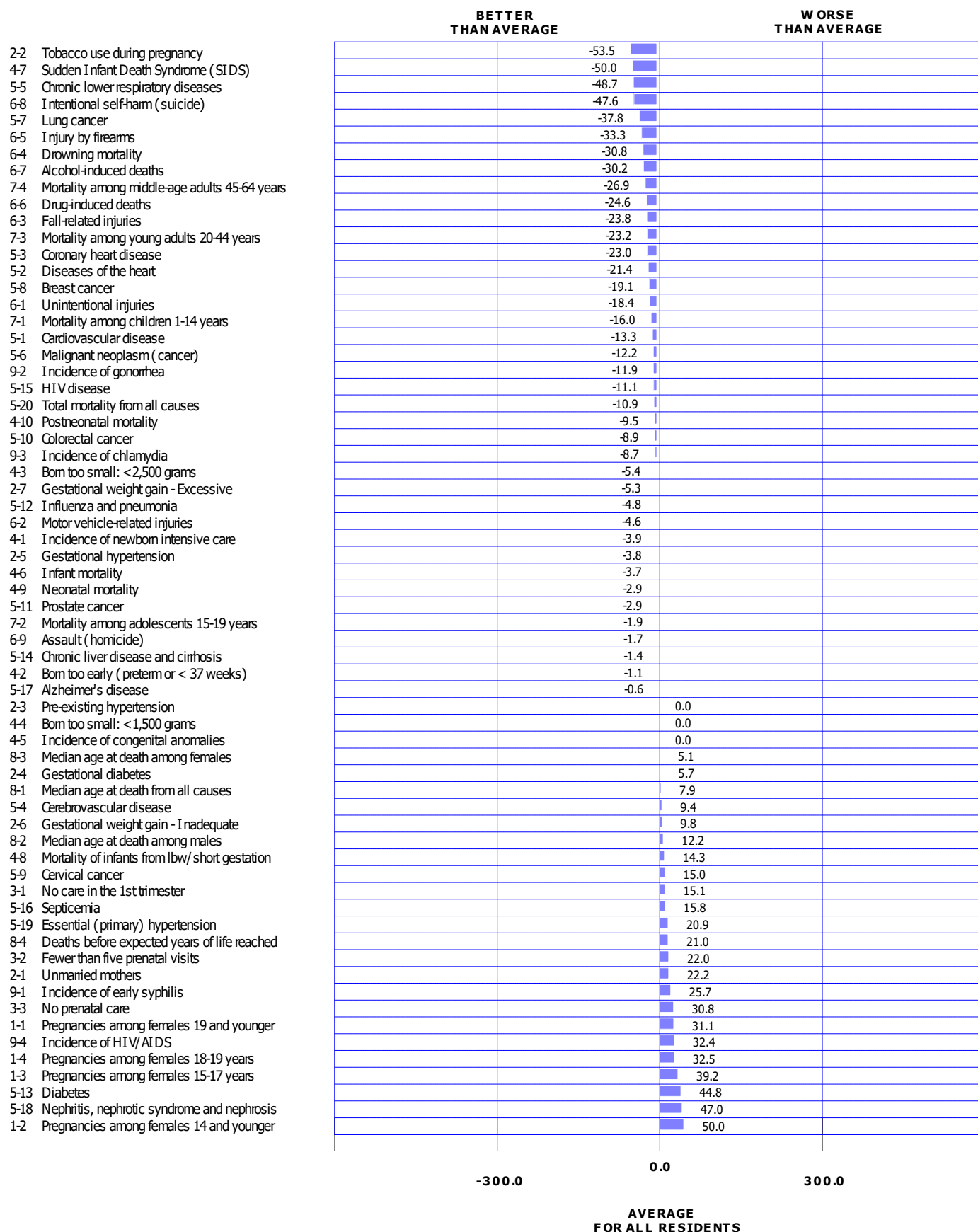


Risk Profile of White non-Hispanics
(Percent above or below the State mean)

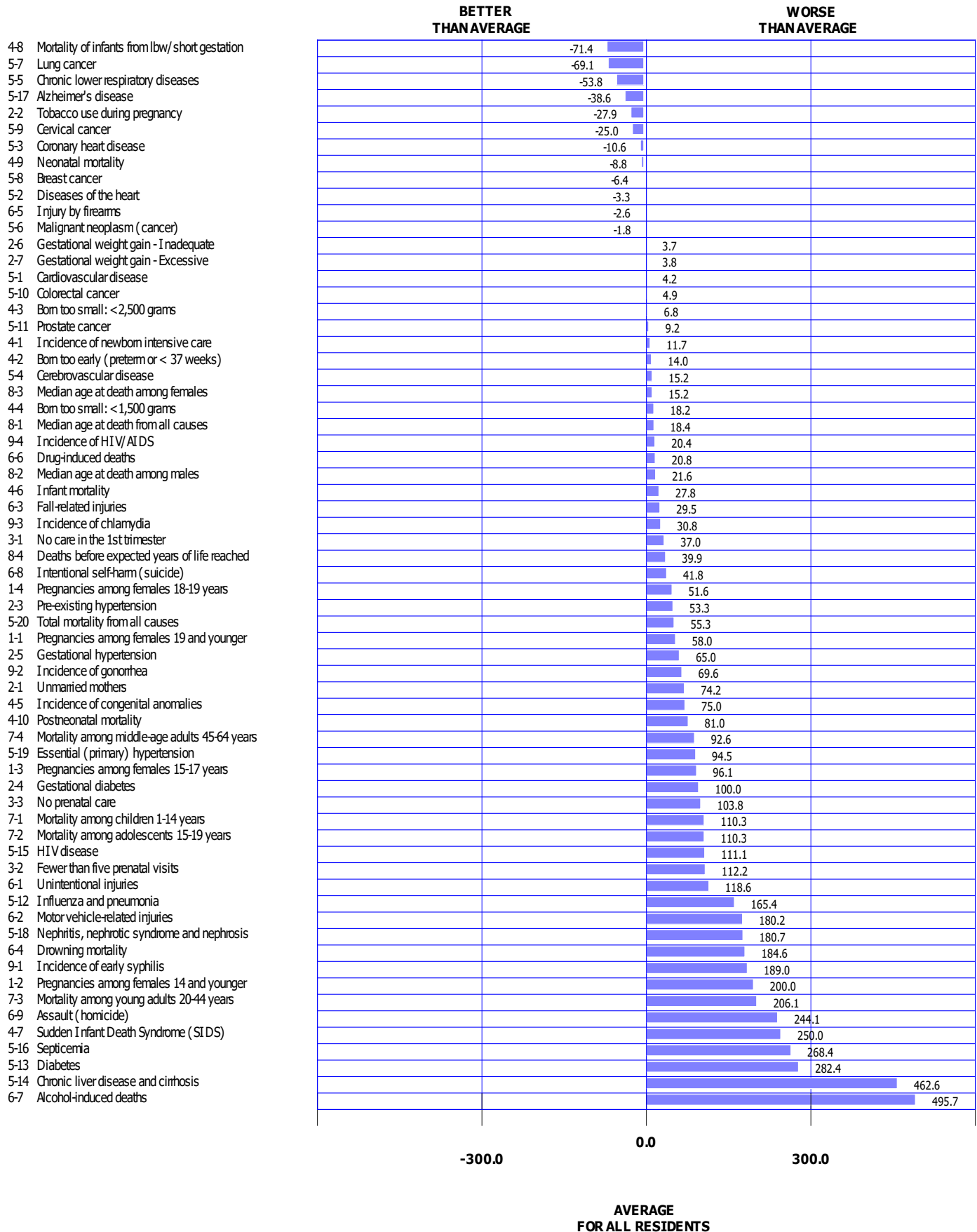


Risk Profile of Hispanics or Latinos

(Percent above or below the State mean)

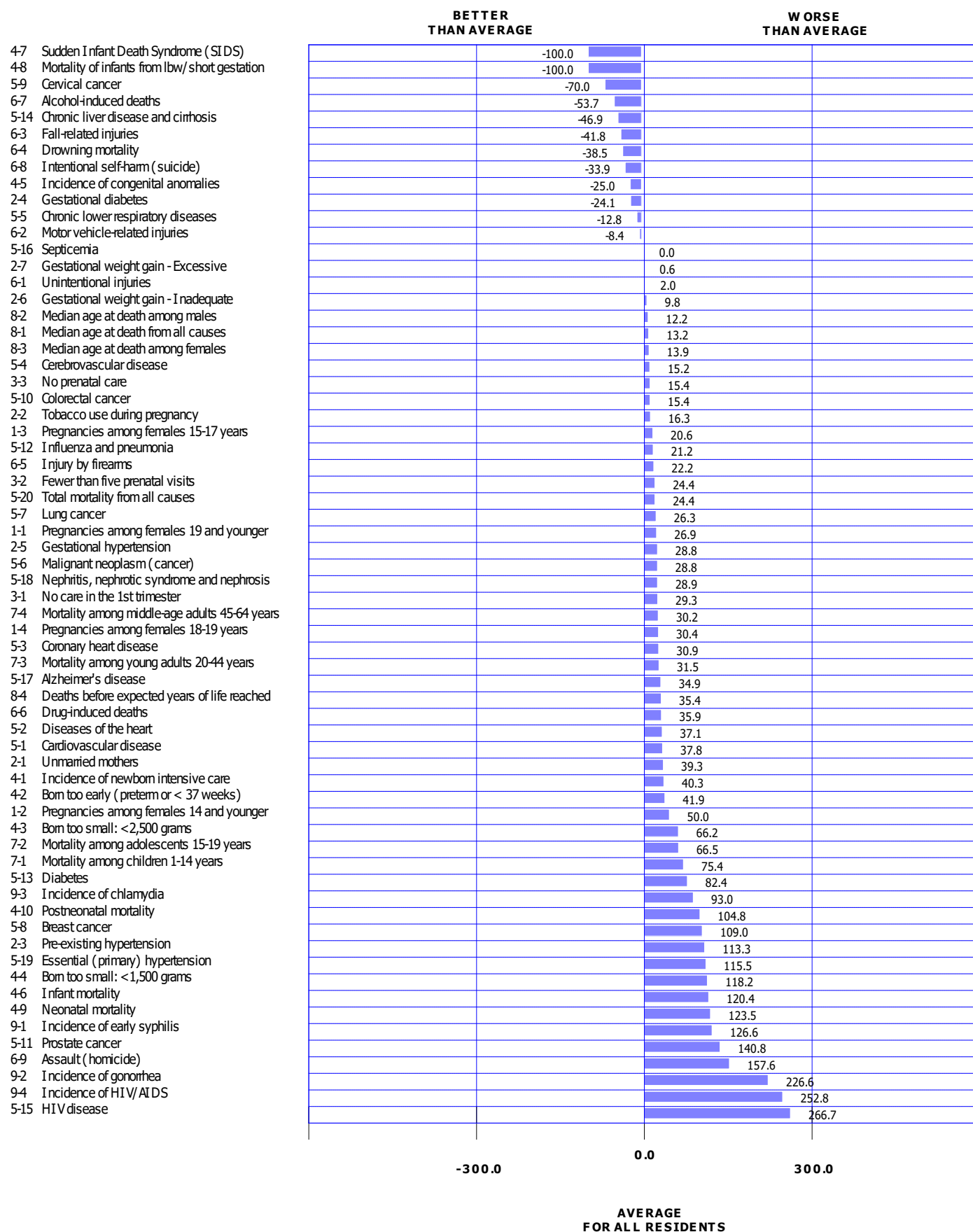


Risk Profile of American Indians or Alaska Natives
(Percent above or below the State mean)



Risk Profile of Blacks or African Americans

(Percent above or below the State mean)



COMPARATIVE MEASURES OF HEALTH STATUS BY RACE/ETHNICITY IN 2019

1

Teen Pregnancies

1-1 Pregnancies Among Females 19 or Younger

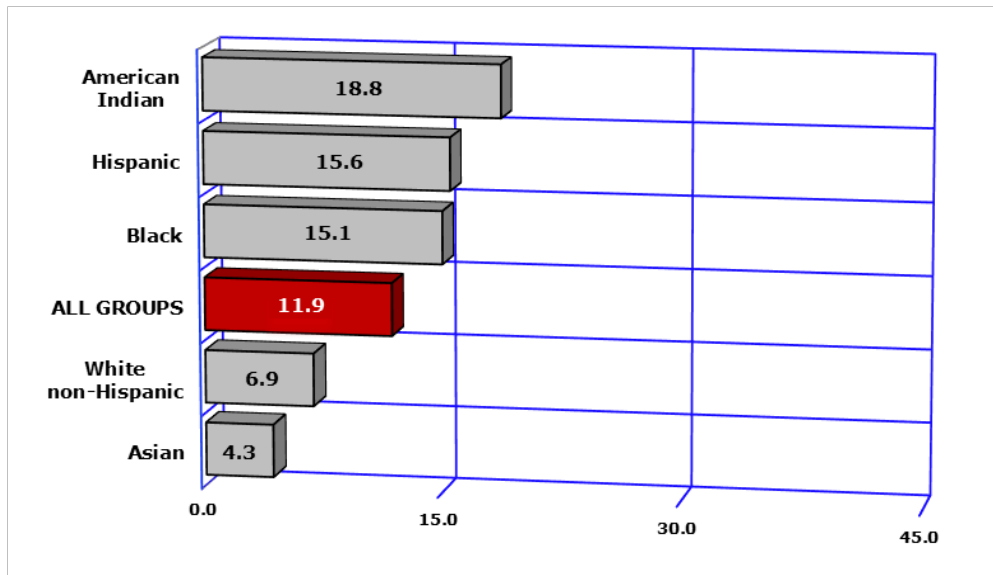
1-2 Pregnancies Among Females 14 or Younger

1-3 Pregnancies Among Females 15-17 Years Old

1-4 Pregnancies Among Females 18-19 Years Old

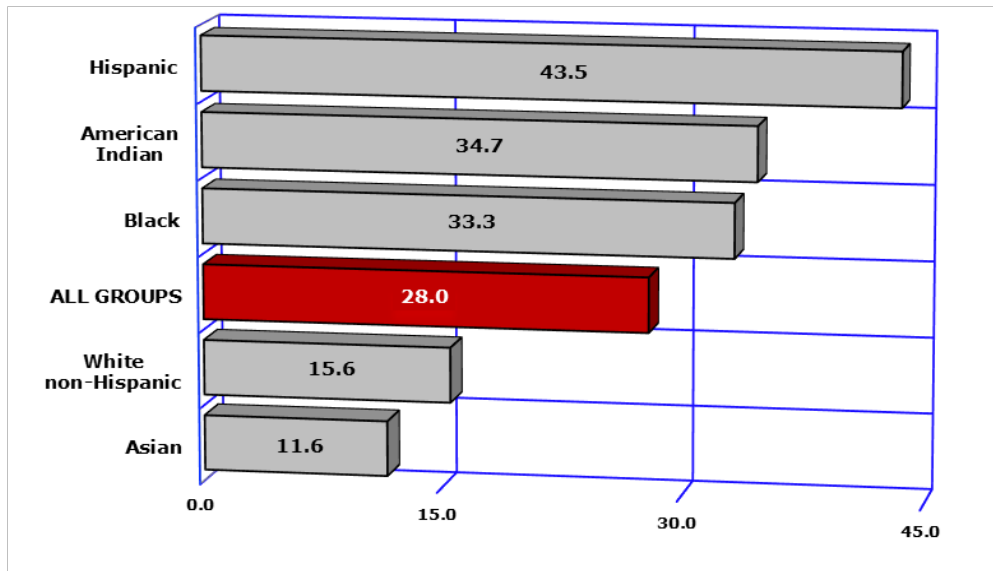
1-1 PREGNANCIES AMONG FEMALES 19 OR YOUNGER

2019



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

2009

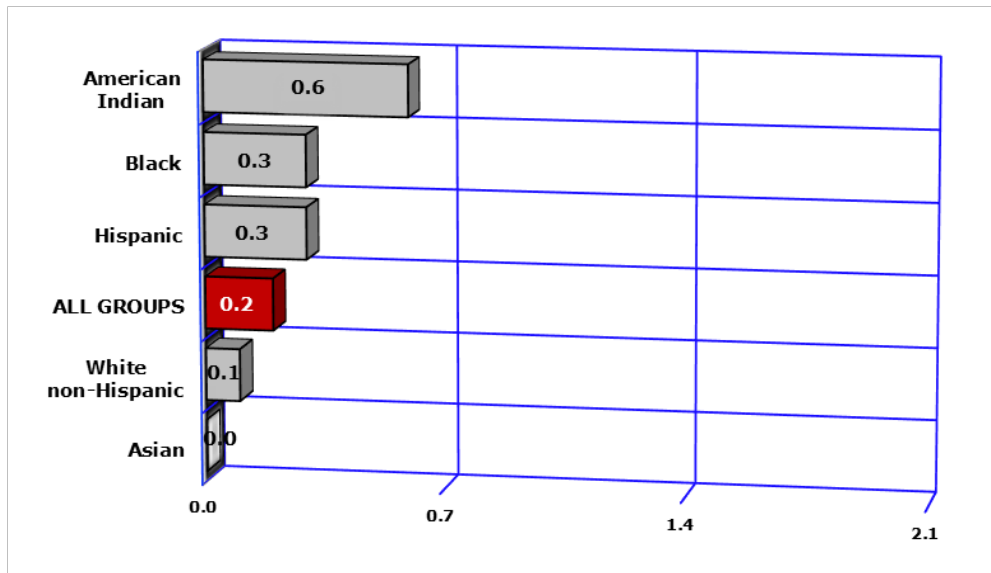


Note: Number of pregnancies per 1,000 females 10-19 years old in specified group.

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	28.0	15.6	43.5	33.3	34.7	11.6
2019	11.9	6.9	15.6	15.1	18.8	4.3
% change from 2009	-57.5	-55.8	-64.1	-54.7	-45.8	-62.9

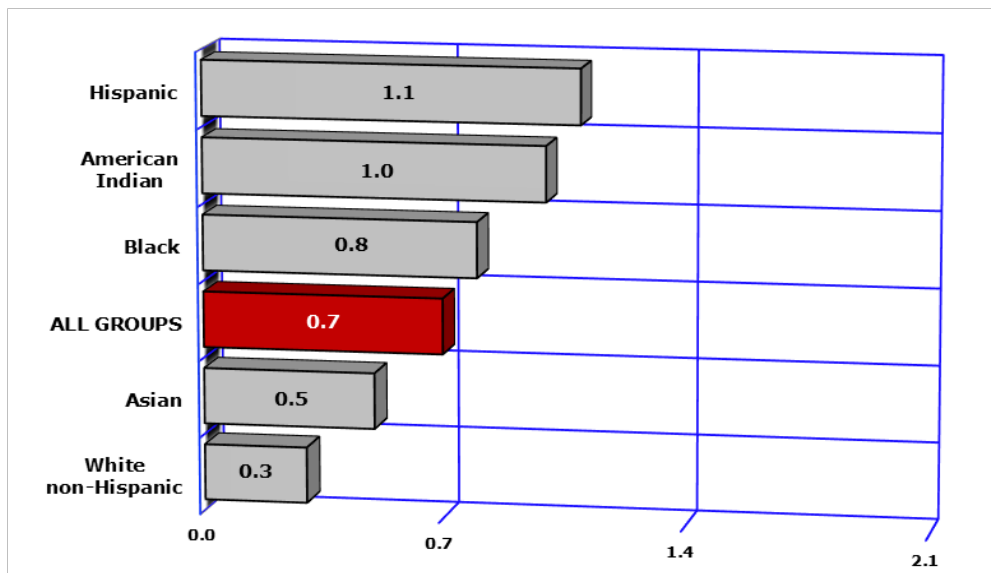
1-2 PREGNANCIES AMONG FEMALES 14 OR YOUNGER

2019



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

2009



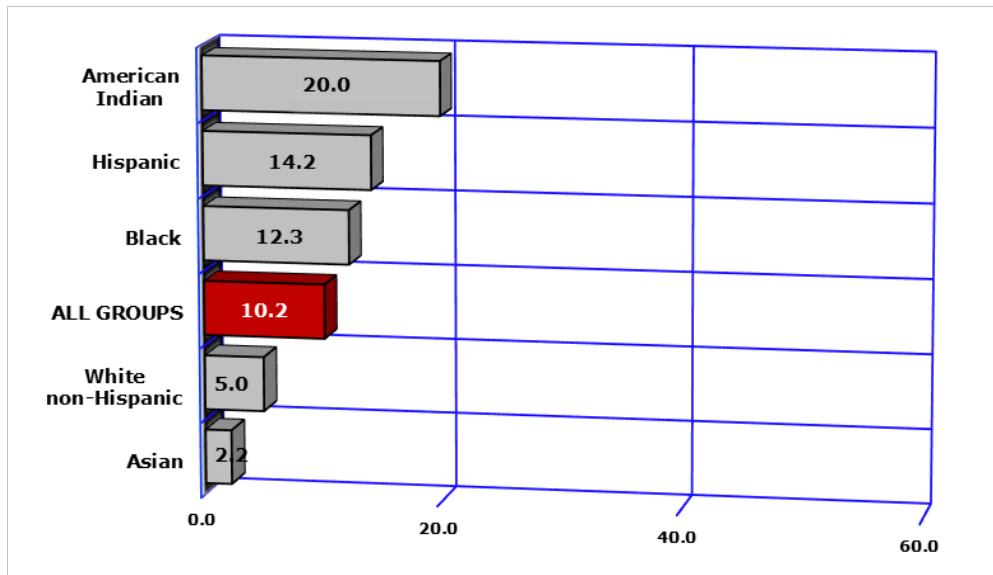
Note: Number of pregnancies per 1,000 females 10-14 years old in specified group.

COMPARATIVE RATES FOR 2009 AND 2019

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
2009	0.7	0.3	1.1	0.8	1.0	0.5
2019	0.2	0.1	0.3	0.3	0.6	0.0
% change from 2009	-71.4	-66.7	-72.7	-62.5	-40.0	-100.0

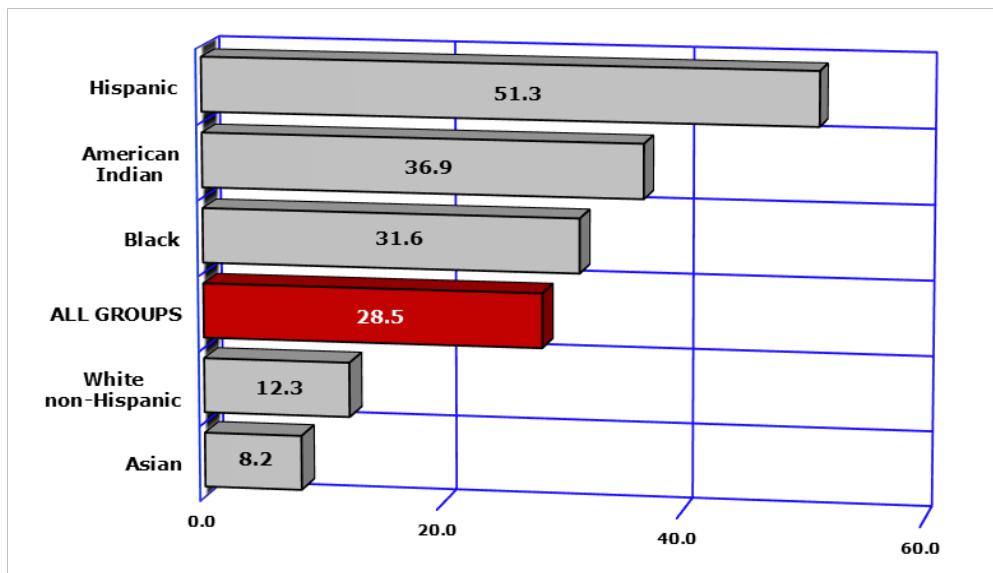
1-3 PREGNANCIES AMONG FEMALES 15-17 YEARS OLD

2019



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

2009

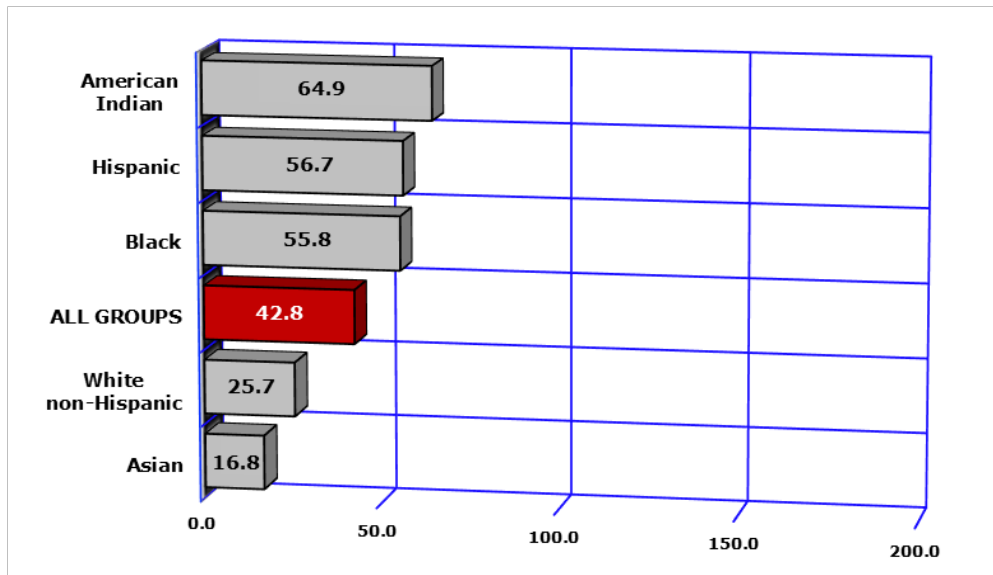


Note: Number of pregnancies per 1,000 females 15-17 years old in specified group.

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	28.5	12.3	51.3	31.6	36.9	8.2
2019	10.2	5.0	14.2	12.3	20.0	2.2
% change from 2009	-64.2	-59.3	-72.3	-61.1	-45.8	-73.2

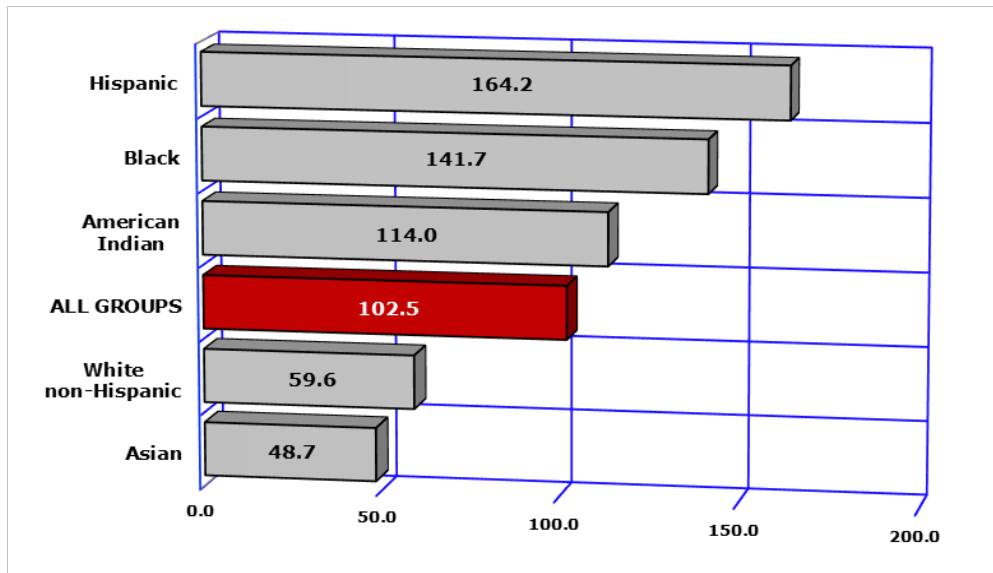
1-4 PREGNANCIES AMONG FEMALES 18-19 YEARS OLD

2019



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

2009



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

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	102.5	59.6	164.2	141.7	114.0	48.7
2019	42.8	25.7	56.7	55.8	64.9	16.8
% change from 2009	-58.2	-56.9	-65.5	-60.6	-43.1	-65.5

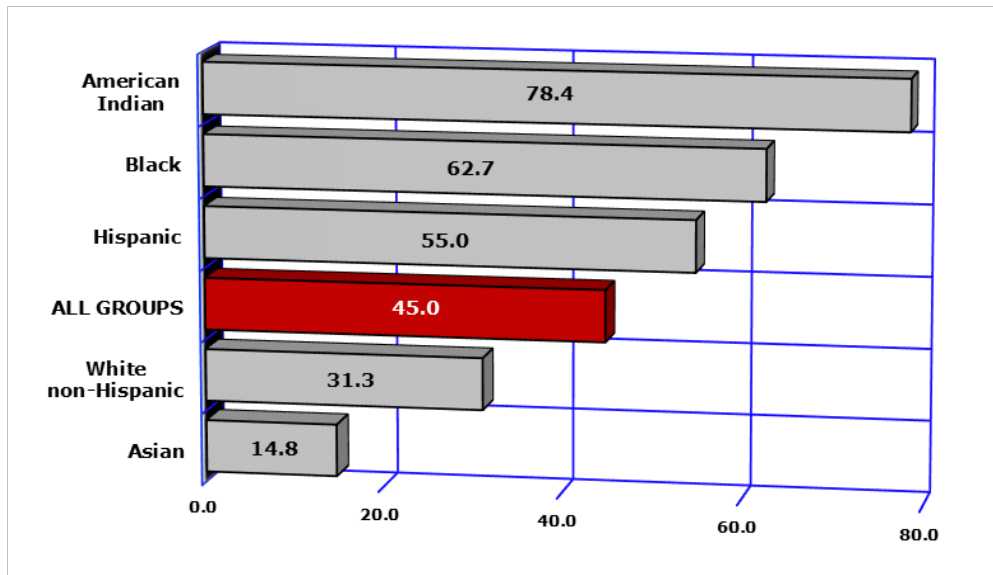
2

Maternal Lifestyle and Health Characteristics

- 2-1 Unmarried Mothers**
- 2-2 Tobacco Use during Pregnancy**
- 2-3 Pre-existing Hypertension**
- 2-4 Gestational Diabetes**
- 2-5 Gestational Hypertension**
- 2-6 Gestational Weight Gain - Inadequate**
- 2-7 Gestational Weight Gain – Excessive**

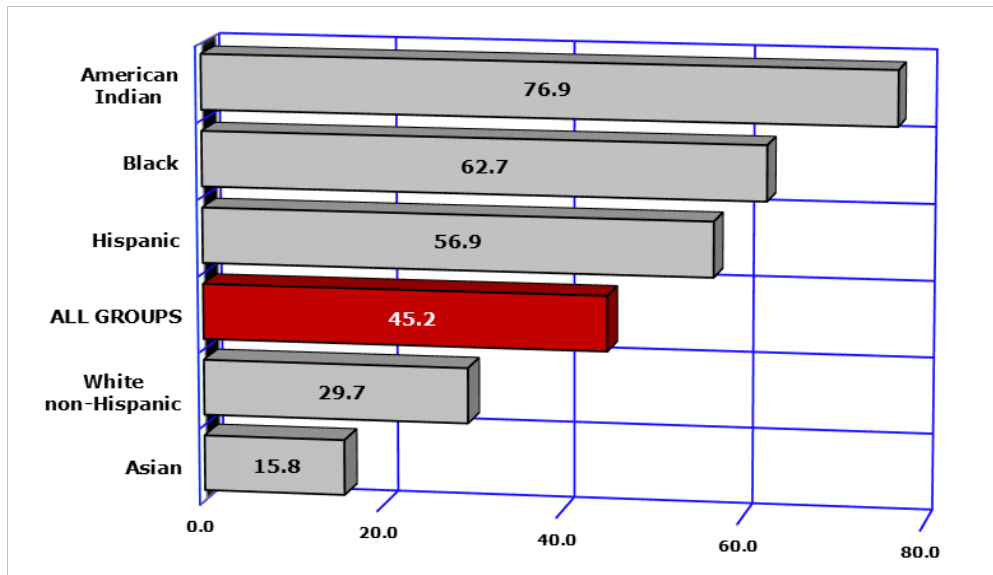
2-1 UNMARRIED MOTHERS

2019



Note: Per 100 live births.

2009



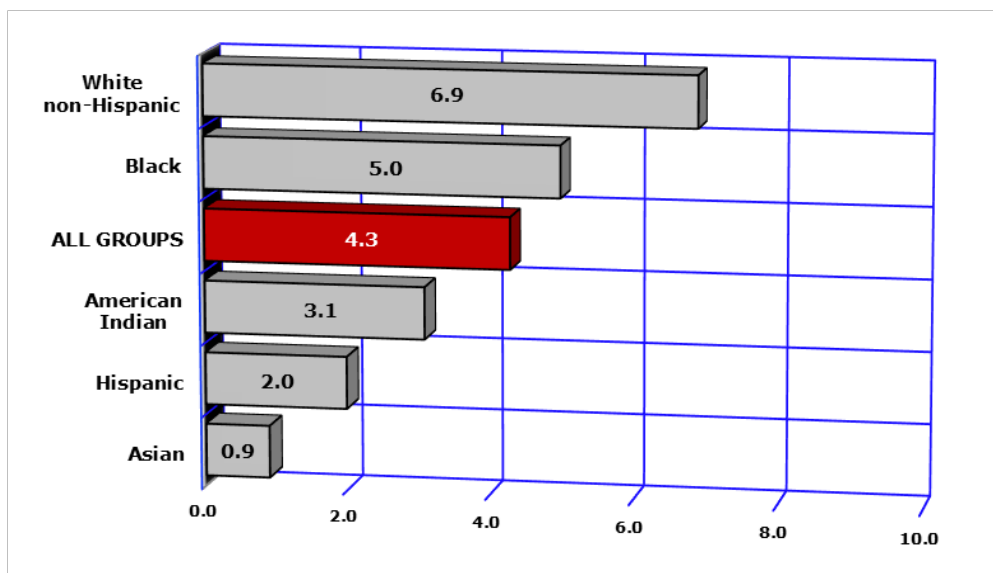
Note: Per 100 live births.

COMPARATIVE RATES FOR 2009 AND 2019

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
2009	45.2	29.7	56.9	62.7	76.9	15.8
2019	45.0	31.3	55.0	62.7	78.4	14.8
% change from 2009	-0.4	5.4	-3.3	0.0	2.0	-6.3

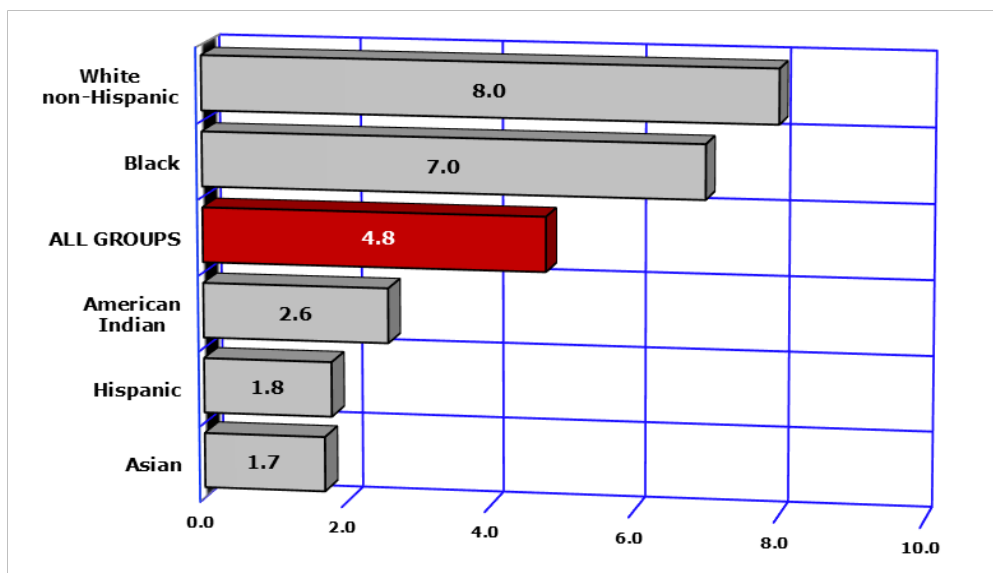
2-2 TOBACCO USE DURING PREGNANCY

2019



Note: Per 100 live births.

2009



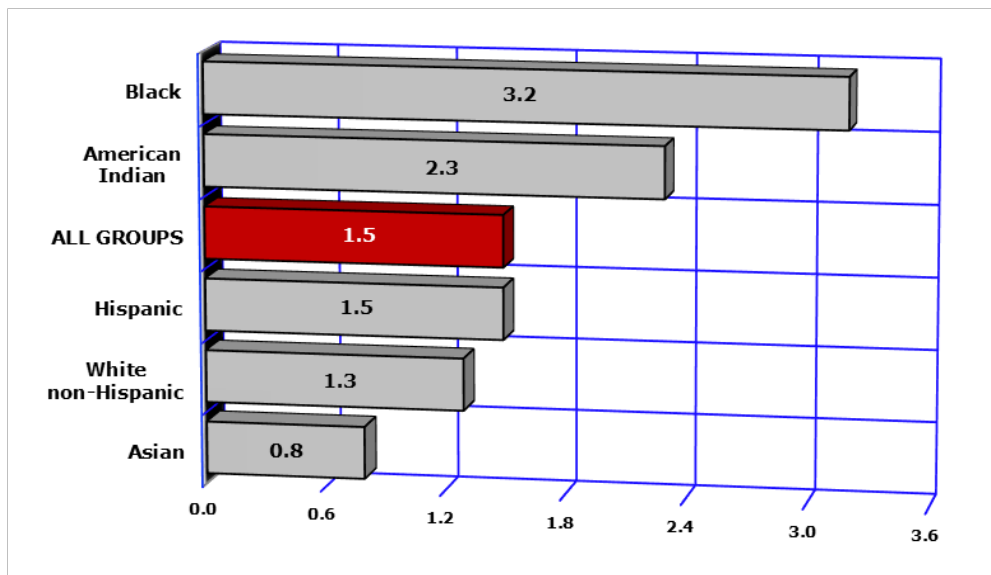
Note: Per 100 live births.

COMPARATIVE RATES FOR 2009 AND 2019

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
2009	4.8	8.0	1.8	7.0	2.6	1.7
2019	4.3	6.9	2.0	5.0	3.1	0.9
% change from 2009	-10.4	-13.8	11.1	-28.6	19.2	-47.1

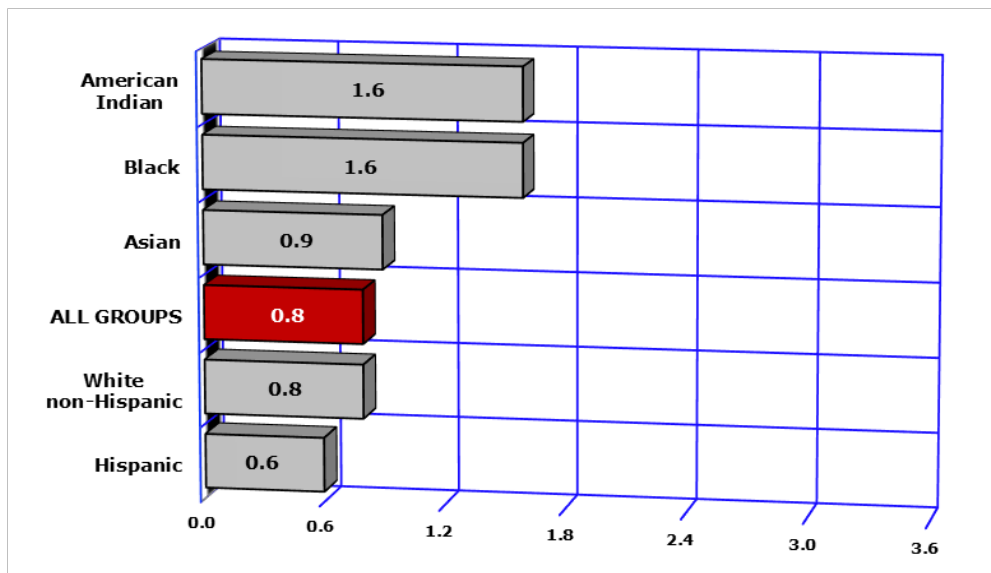
2-3 PRE-EXISTING HYPERTENSION

2019



Note: Per 100 live births.

2009

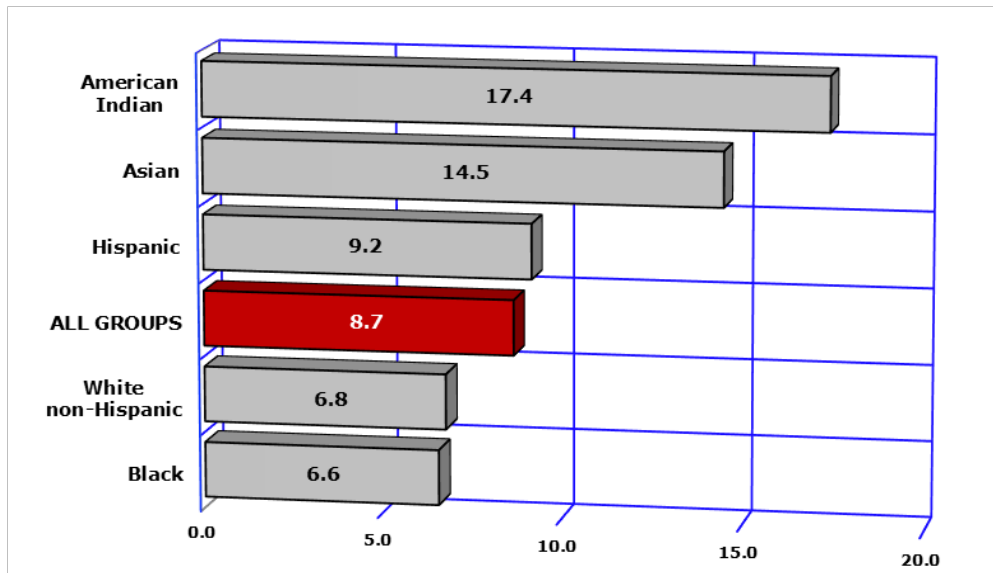


Note: Per 100 live births.

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	0.8	0.8	0.6	1.6	1.6	0.9
2019	1.5	1.3	1.5	3.2	2.3	0.8
% change from 2009	87.5	62.5	150.0	100.0	43.8	-11.1

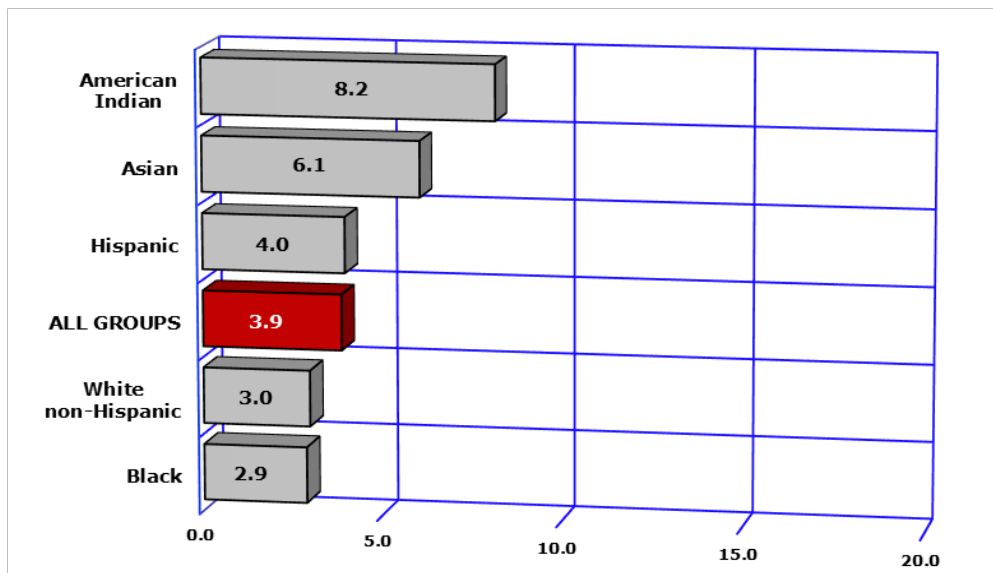
2-4 GESTATIONAL DIABETES

2019



Note: Per 100 live births.

2009



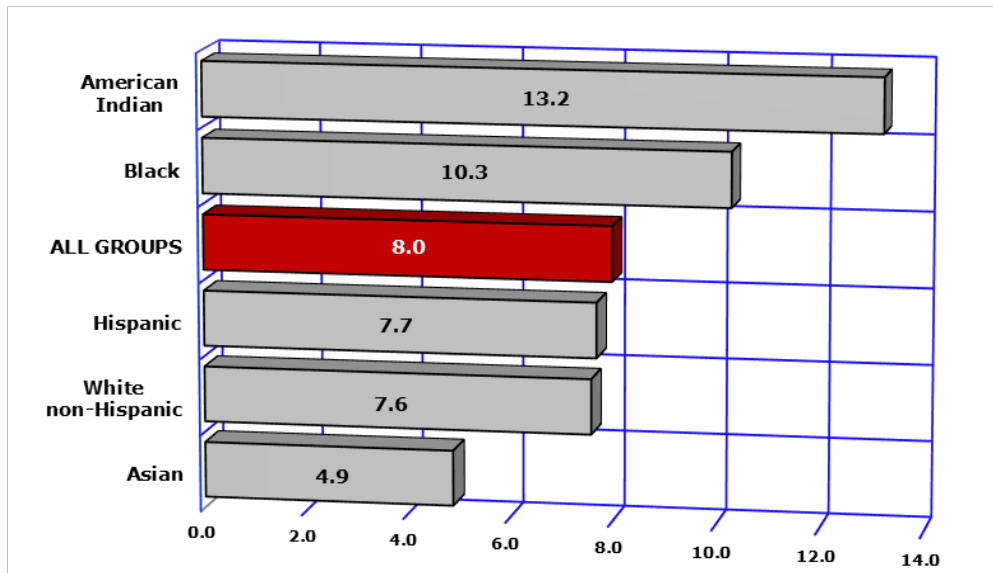
Note: Per 100 live births.

COMPARATIVE RATES FOR 2009 AND 2019

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
2009	3.9	3.0	4.0	2.9	8.2	6.1
2019	8.7	6.8	9.2	6.6	17.4	14.5
% change from 2009	123.1	126.7	130.0	127.6	112.2	137.7

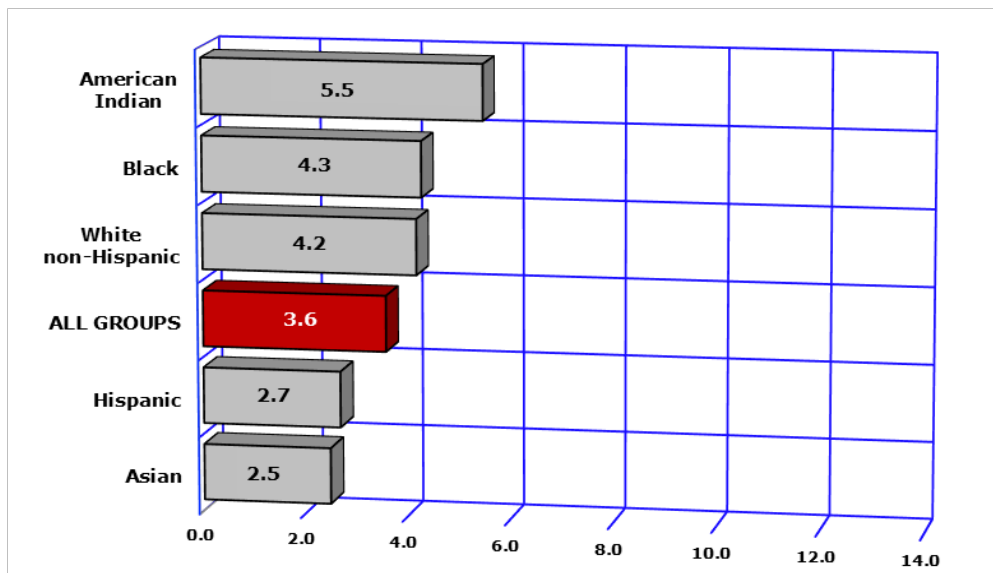
2-5 GESTATIONAL HYPERTENSION

2019



Note: Per 100 live births.

2009

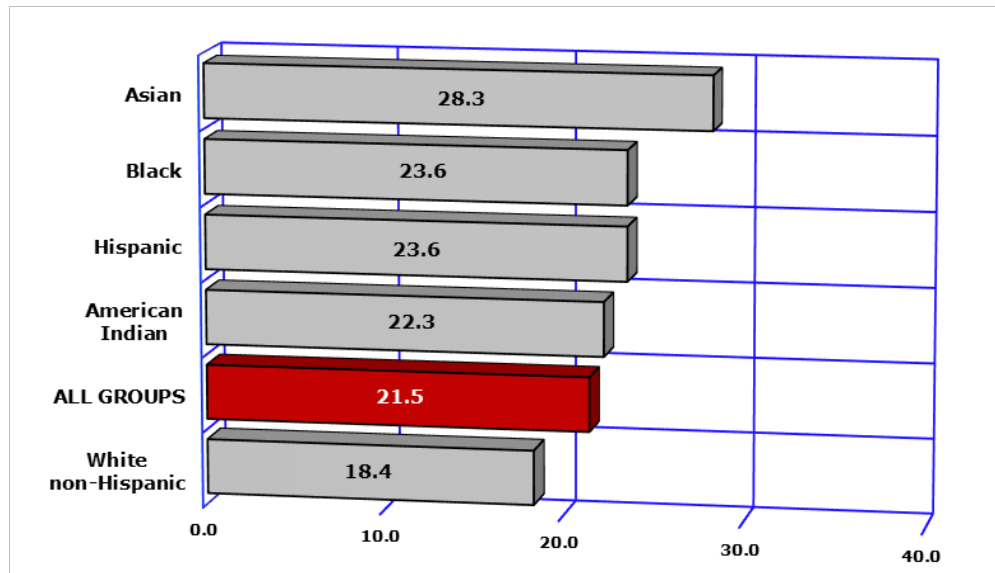


Note: Per 100 live births.

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	3.6	4.2	2.7	4.3	5.5	2.5
2019	8.0	7.6	7.7	10.3	13.2	4.9
% change from 2009	122.2	81.0	185.2	139.5	140.0	96.0

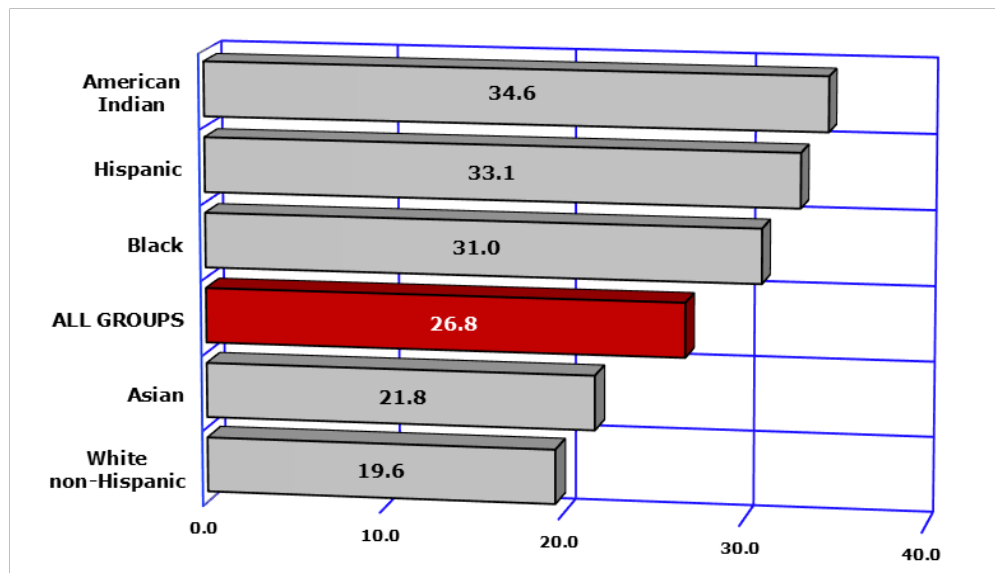
2-6 GESTATIONAL WEIGHT GAIN – INADEQUATE*

2019



Note: Per 100 live births.

2009

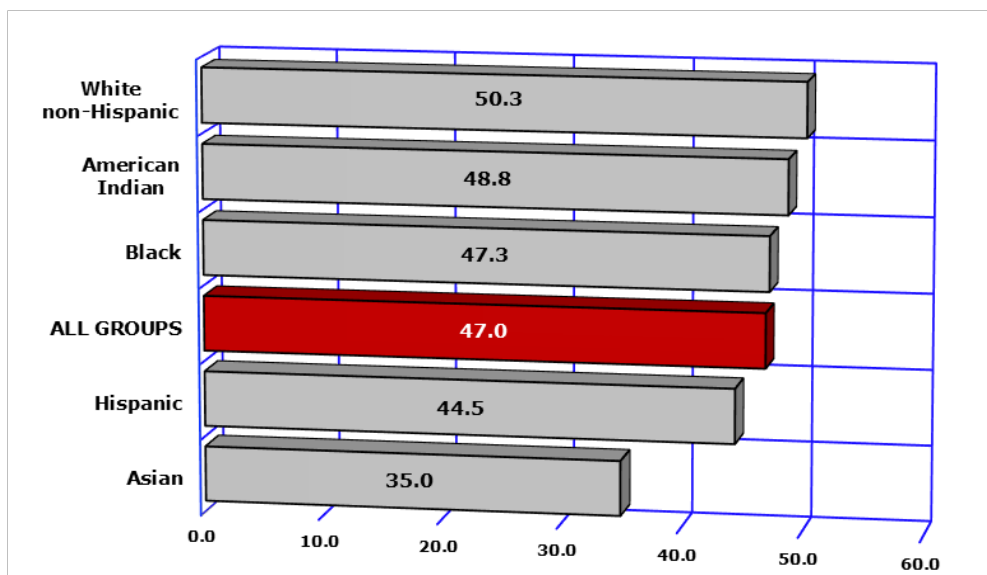


Note: Per 100 live births.

* Due to differences in the manner this variable is collected in the revised version of the U.S Certificate of Live Birth implemented in 2014, 2009 and 2019 rates are not comparable.

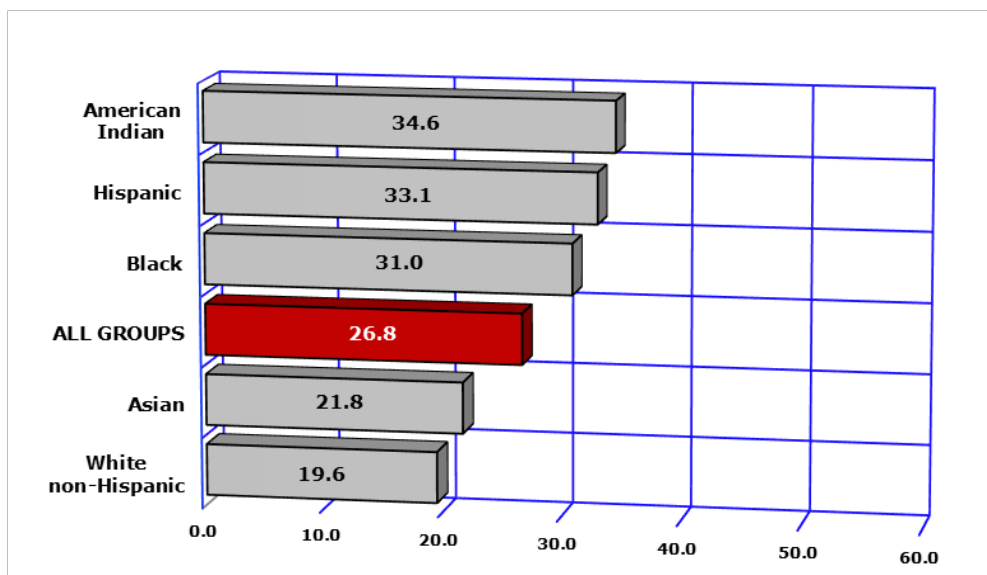
2-7 GESTATIONAL WEIGHT GAIN – EXCESSIVE*

2019



Note: Per 100 live births.

2009



Note: Per 100 live births.

* Due to differences in the manner this variable is collected in the revised version of the U.S Certificate of Live Birth implemented in 2014, 2009 and 2019 rates are not comparable.

3 Utilization of Prenatal Care Services

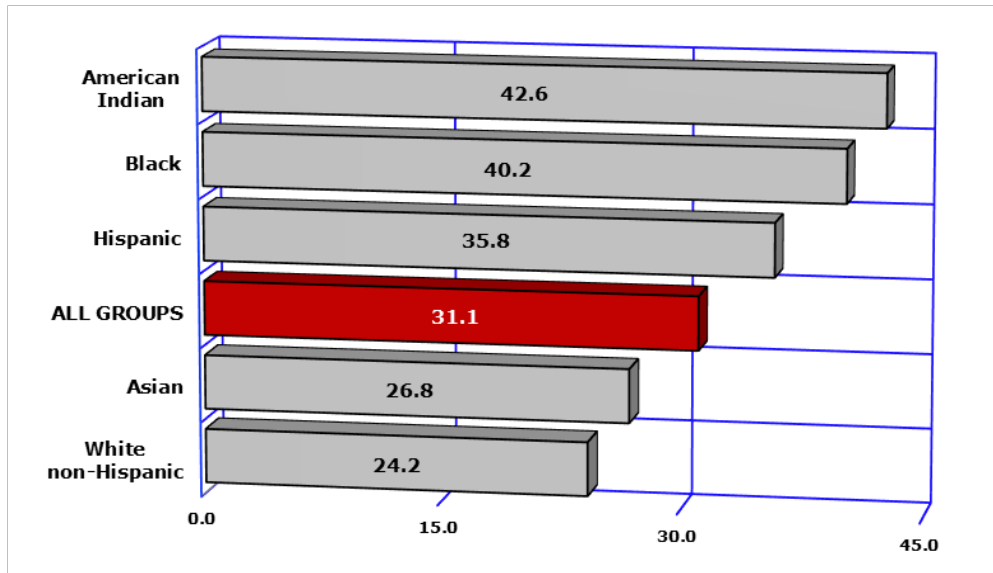
3-1 No Care in the 1st Trimester

3-2 Fewer Than Five Prenatal Visits

3-3 No Prenatal Care

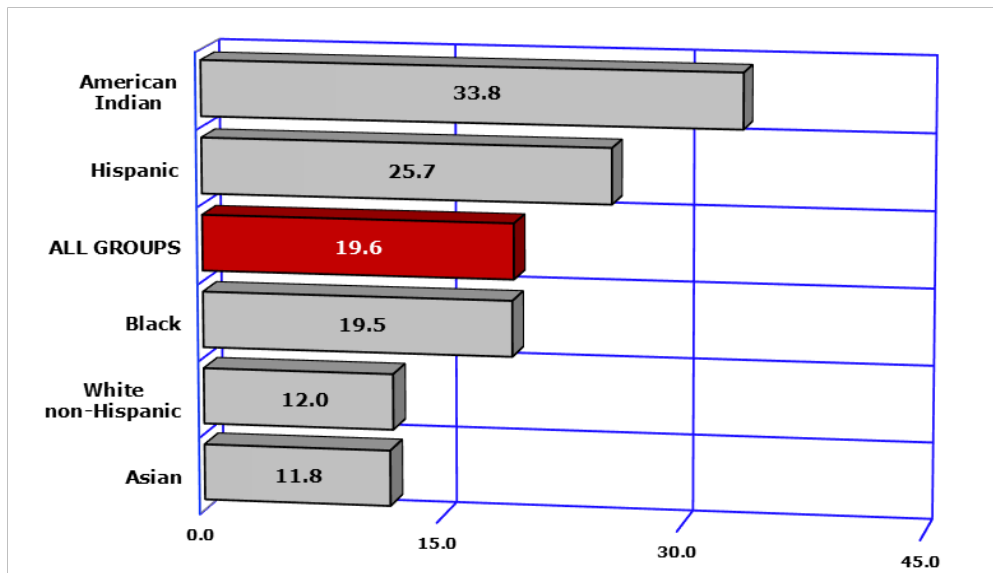
3-1 NO CARE IN THE 1ST TRIMESTER*

2019



Note: Per 100 live births.

2009

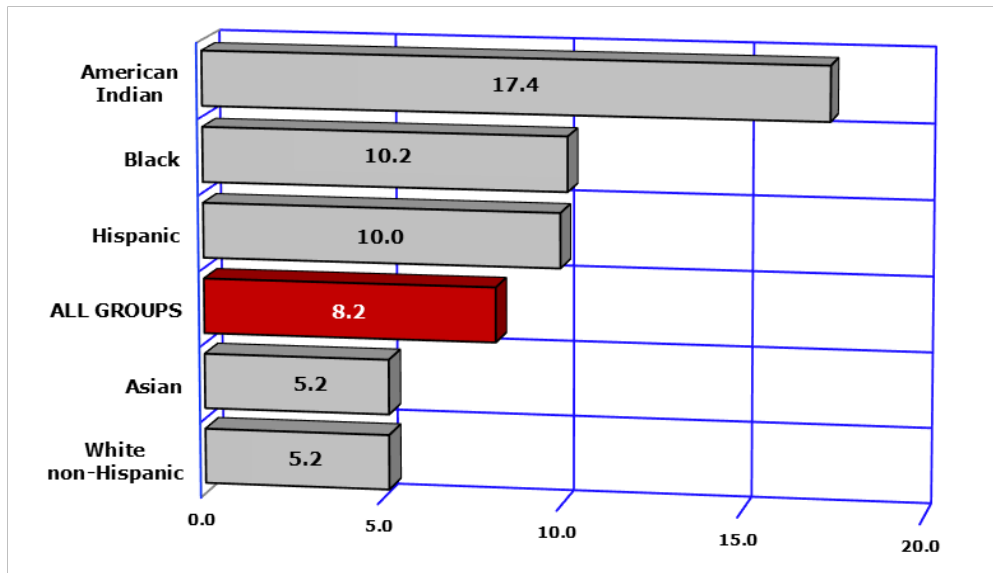


Note: Per 100 live births.

* Due to differences in the manner this variable is collected in the revised version of the U.S Certificate of Live Birth implemented in 2014, 2009 and 2019 rates are not comparable.

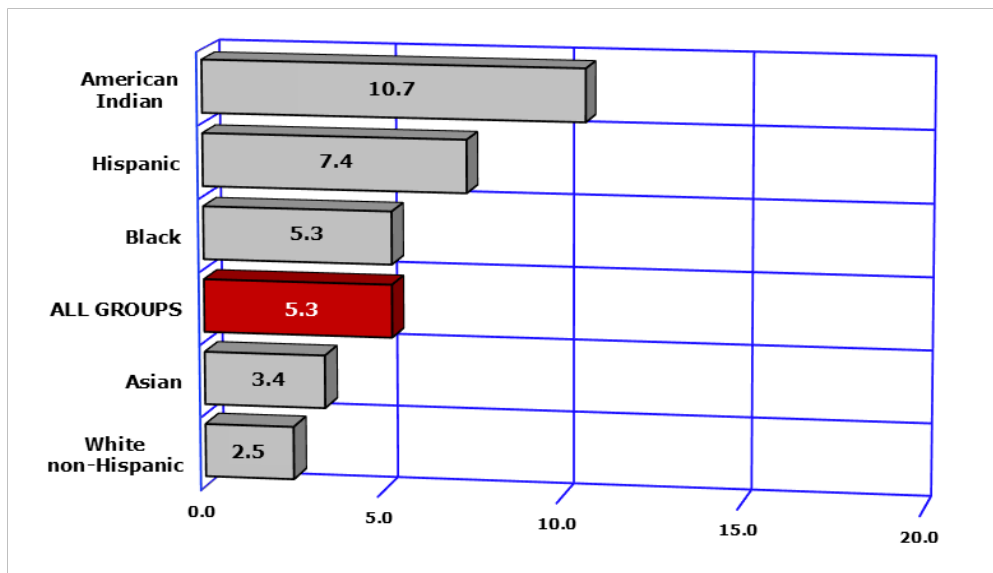
3-2 FEWER THAN 5 PRENATAL VISITS

2019



Note: Per 100 live births.

2009



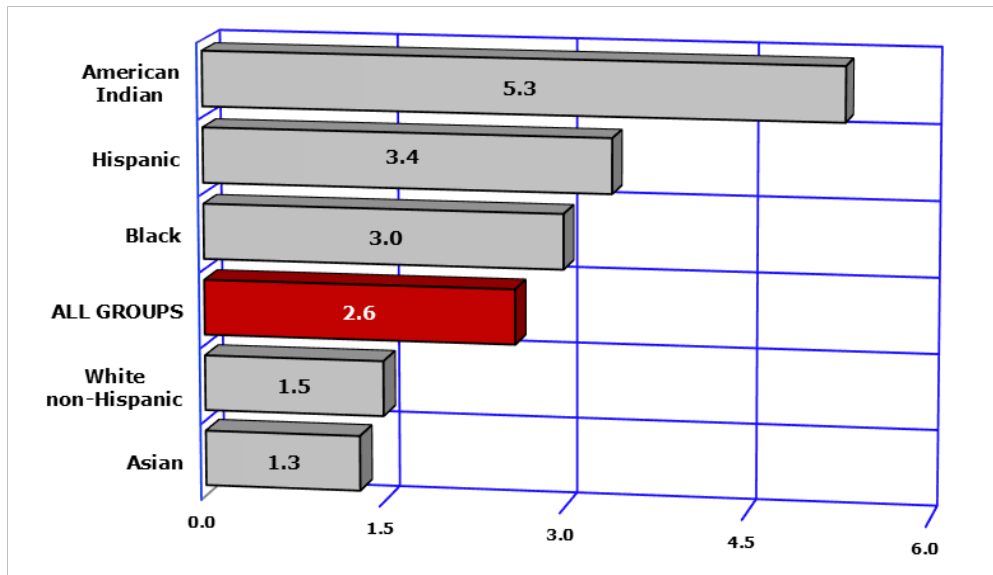
Note: Per 100 live births.

COMPARATIVE RATES FOR 2009 AND 2019

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
2009	5.3	2.5	7.4	5.3	10.7	3.4
2019	8.2	5.2	10.0	10.2	17.4	5.2
% change from 2009	54.7	108.0	35.1	92.5	62.6	52.9

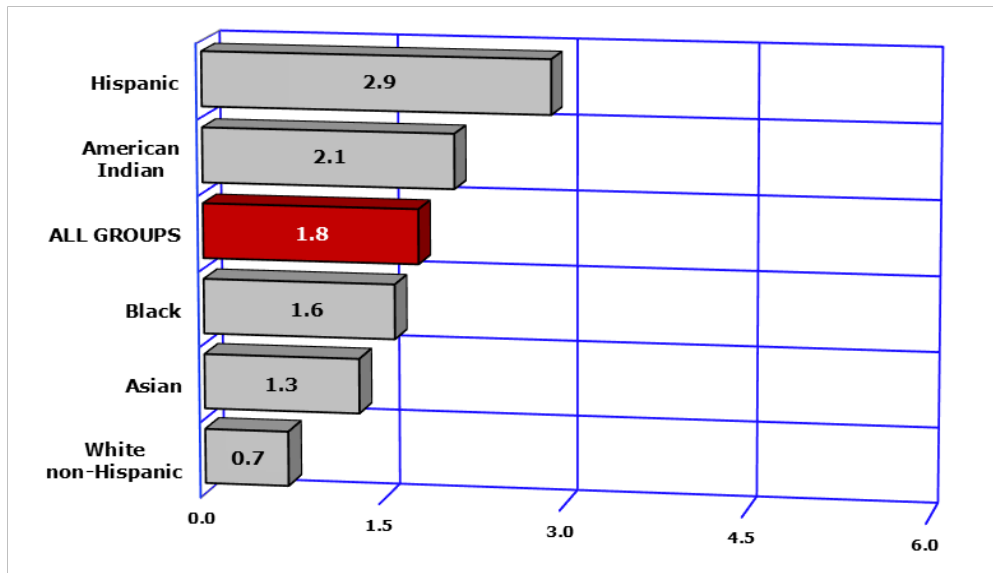
3-3 NO PRENATAL CARE

2019



Note: Per 100 live births.

2009



Note: Per 100 live births.

COMPARATIVE RATES FOR 2009 AND 2019

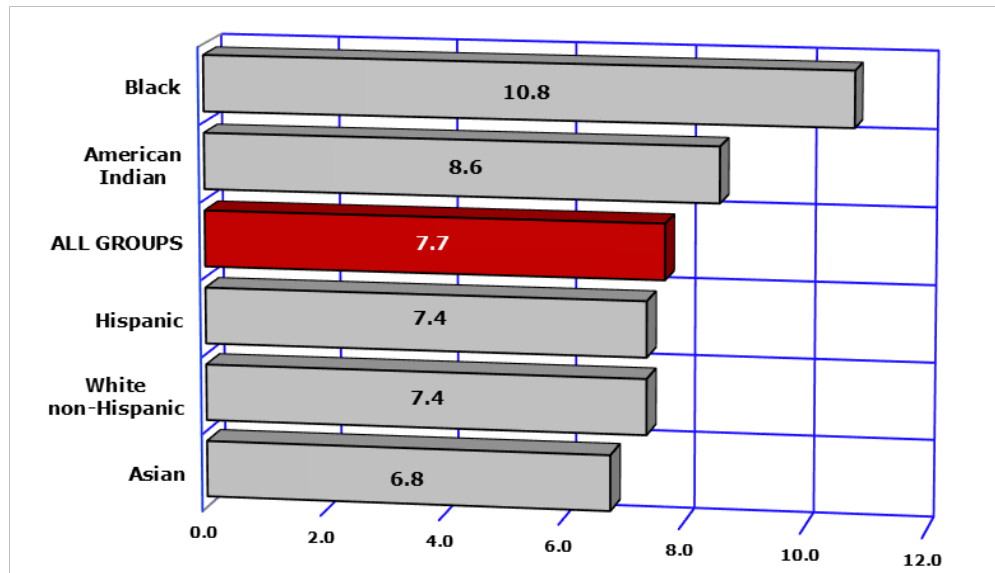
Per 100 births by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2009	1.8	0.7	2.9	1.6	2.1	1.3
2019	2.6	1.5	3.4	3.0	5.3	1.3
% change from 2009	44.4	114.3	17.2	87.5	152.4	0.0

4 Newborn's Health

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

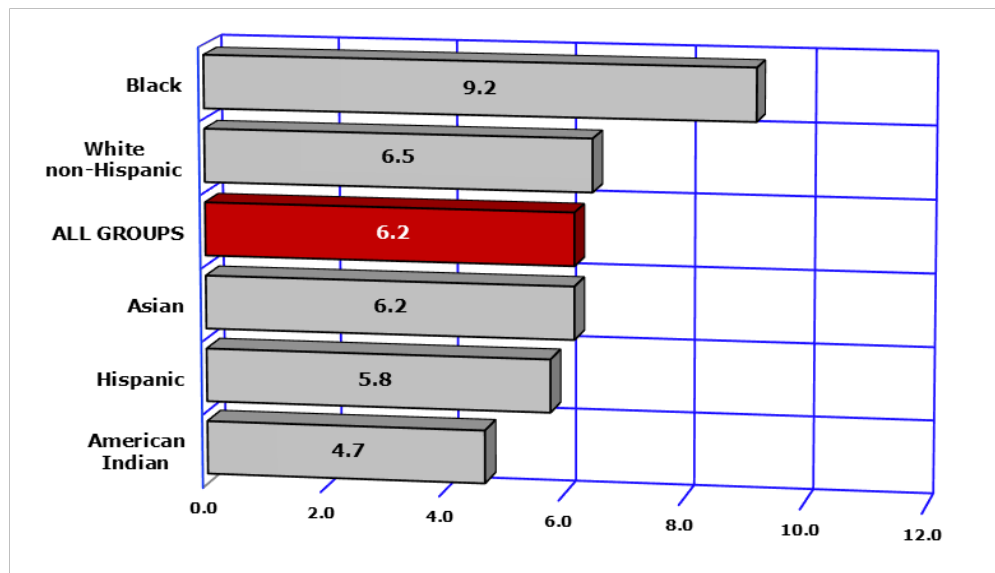
4-1 NEWBORN INTENSIVE CARE

2019



Note: Per 100 live births.

2009

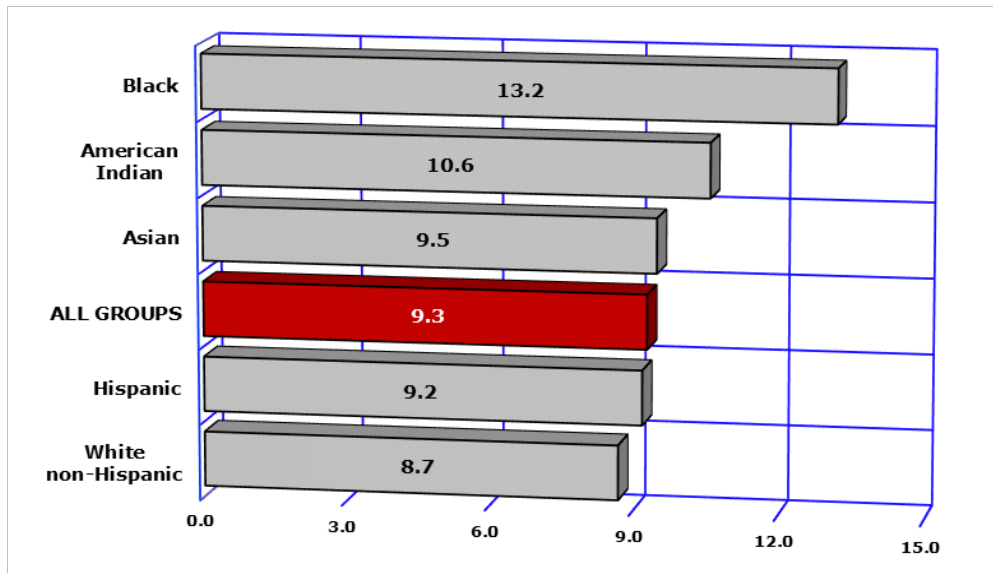


Note: Per 100 live births.

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	6.2	6.5	5.8	9.2	4.7	6.2
2019	7.7	7.4	7.4	10.8	8.6	6.8
% change from 2009	24.2	13.8	27.6	17.4	83.0	9.7

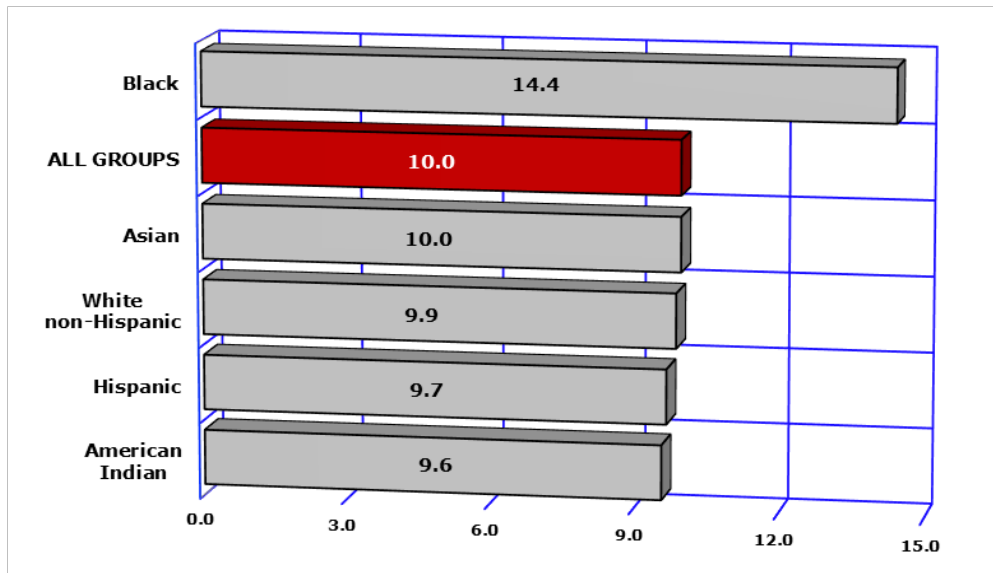
4-2 BORN TOO EARLY (PRETERM OF <37 WEEKS)

2019



Note: Per 100 live births.

2009

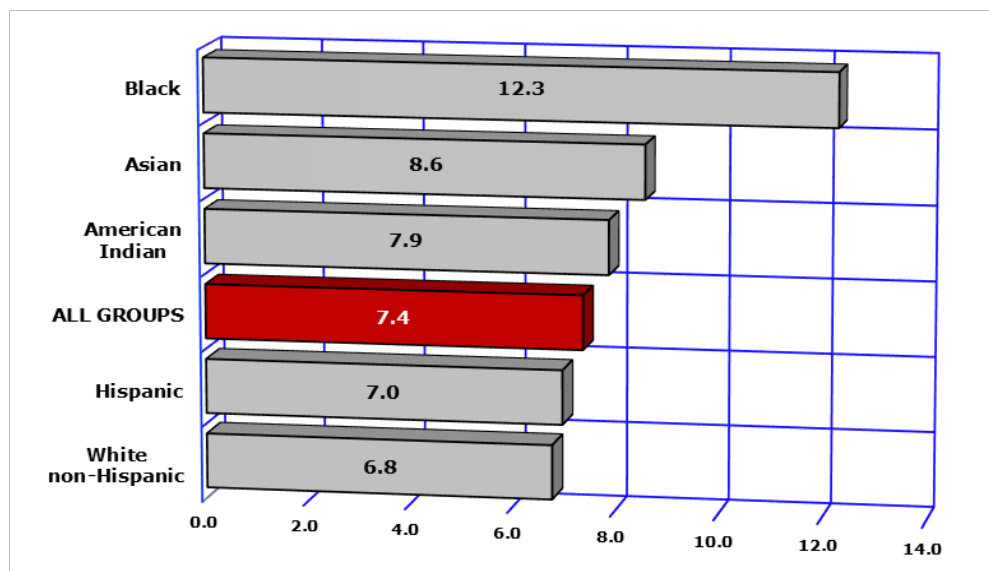


Note: Per 100 live births.

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	10.0	9.9	9.7	14.4	9.6	10.0
2019	9.3	8.7	9.2	13.2	10.6	9.5
% change from 2009	-7.0	-12.1	-5.2	-8.3	10.4	-5.0

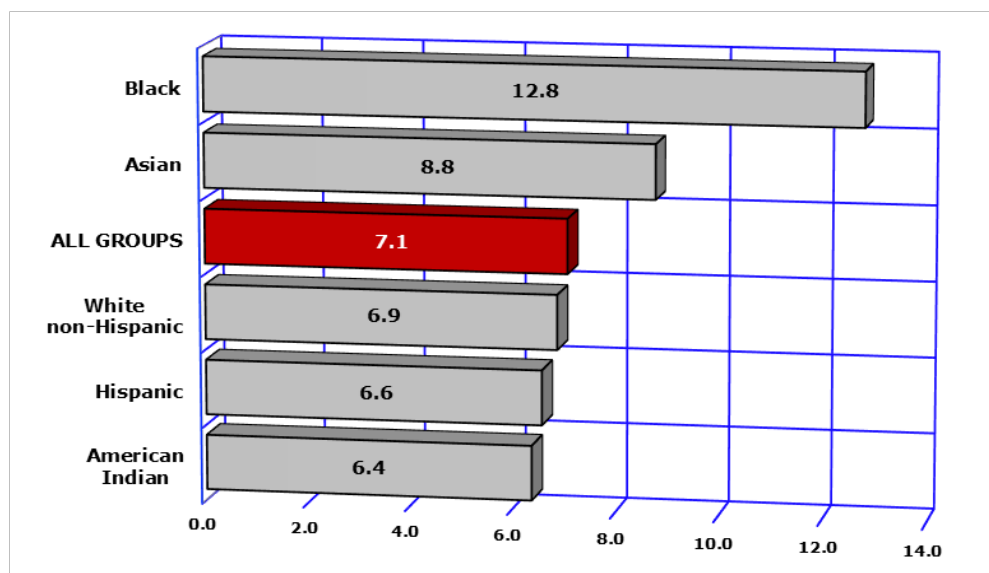
4-3 BORN TOO SMALL: LOW BIRTHWEIGHT (<2,500 GRAMS)

2019



Note: Per 100 live births.

2009

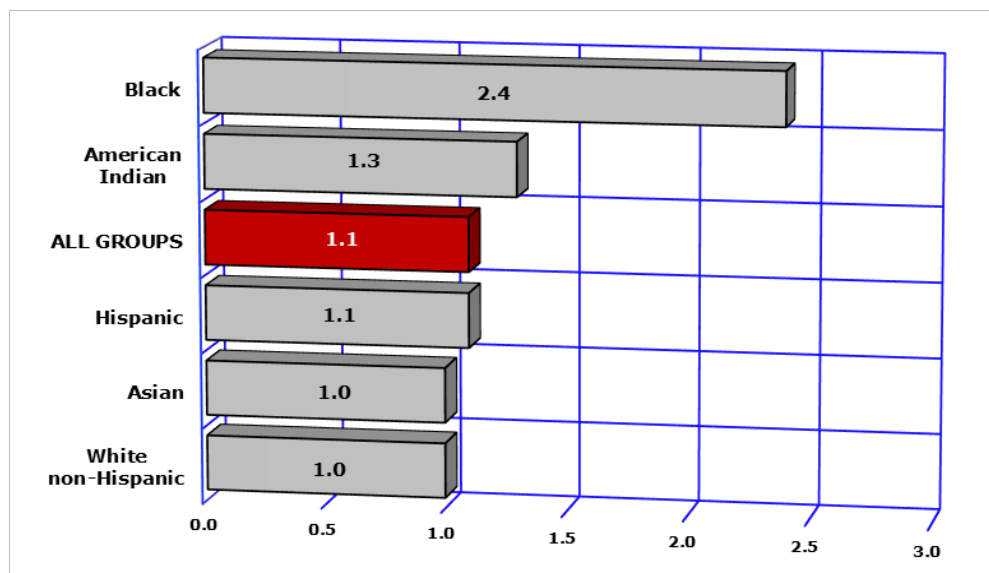


Note: Per 100 live births.

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	7.1	6.9	6.6	12.8	6.4	8.8
2019	7.4	6.8	7.0	12.3	7.9	8.6
% change from 2009	4.2	-1.4	6.1	-3.9	23.4	-2.3

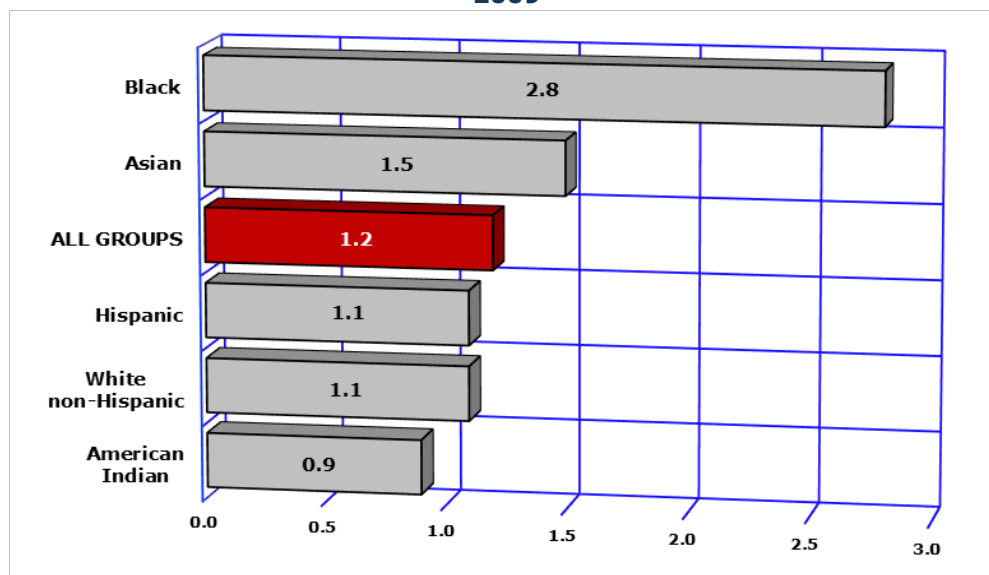
4-4 BORN TOO SMALL: VERY LOW BIRTHWEIGHT (<1,500 GRAMS)

2019



Note: Per 100 live births.

2009

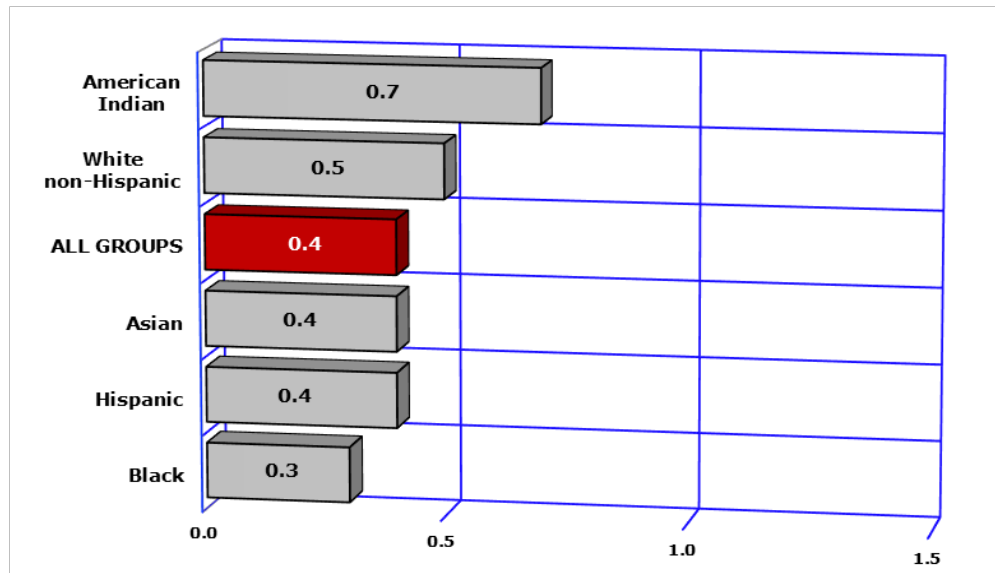


Note: Per 100 live births.

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	1.2	1.1	1.1	2.8	0.9	1.5
2019	1.1	1.0	1.1	2.4	1.3	1.0
% change from 2009	-8.3	-9.1	0.0	-14.3	44.4	-33.3

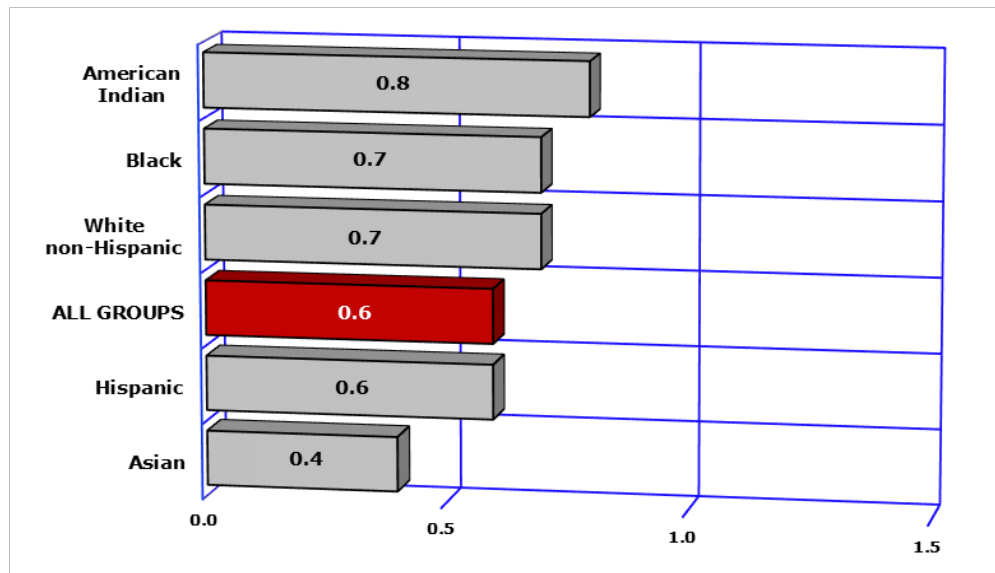
4-5 INCIDENCE OF CONGENITAL ANOMALIES (BIRTH DEFECTS)*

2019



Note: Per 100 live births.

2009

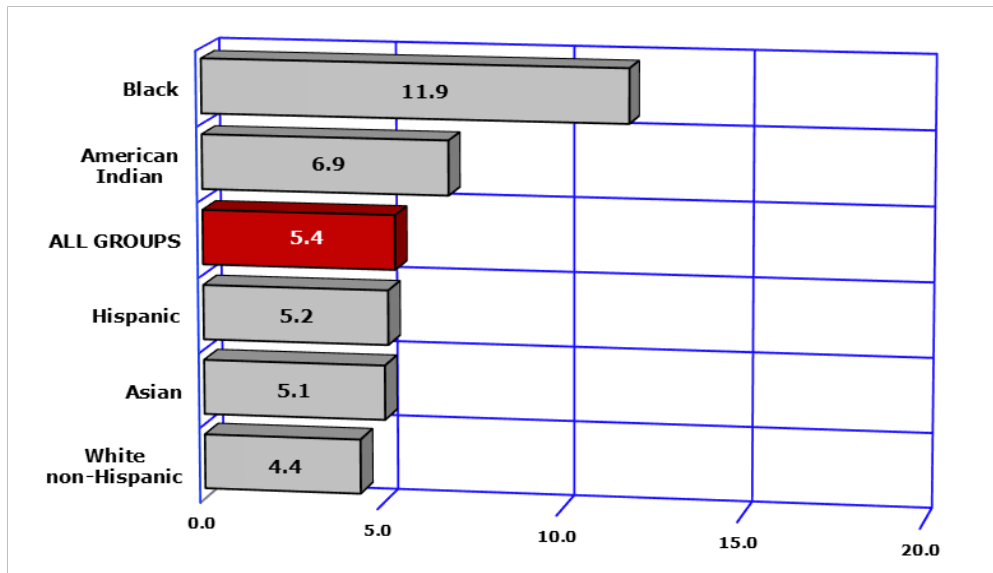


Note: Per 100 live births.

* Due to differences in the manner this variable is collected in the revised version of the U.S Certificate of Live Birth implemented in 2014, 2009 and 2019 rates are not comparable.

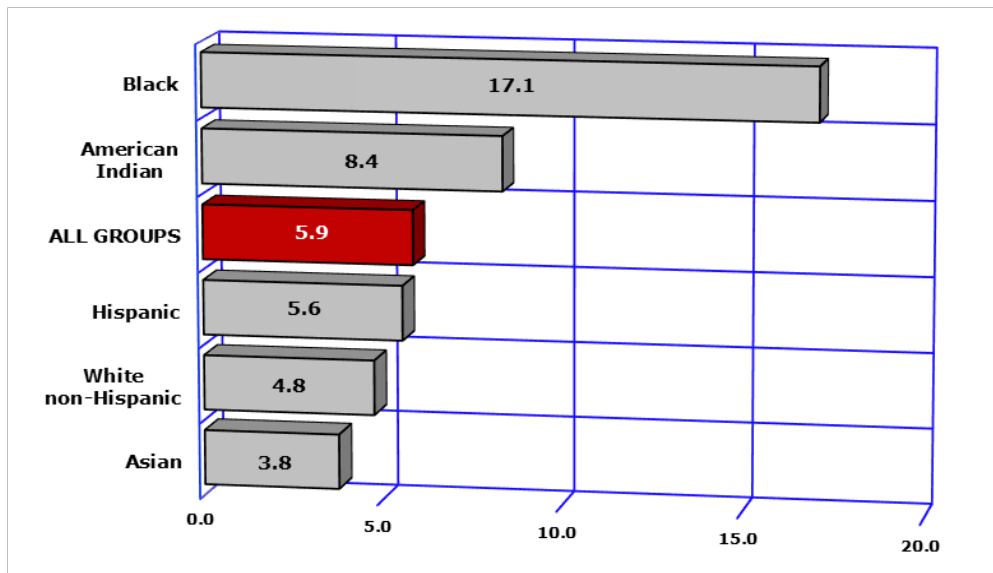
4-6 INFANT MORTALITY

2019



Note: Per 100 live births.

2009



Note: Per 100 live births.

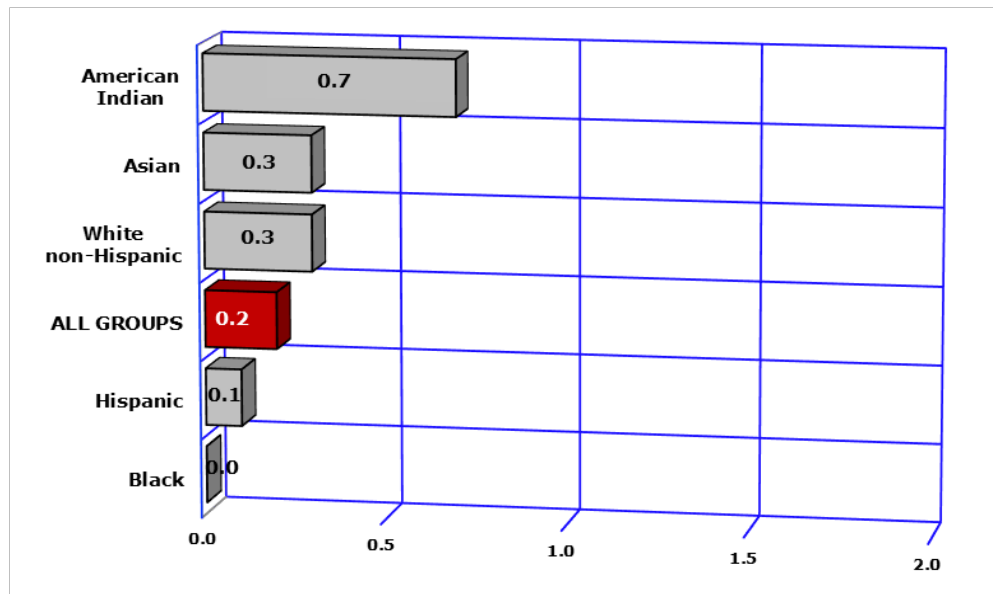
COMPARATIVE RATES FOR 2009 AND 2019

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
2009	5.9	4.8	5.6	17.1	8.4	3.8
2019	5.4	4.4	5.2	11.9	6.9	5.1
% change from 2009	-8.5	-8.3	-7.1	-30.4	-17.9	34.2

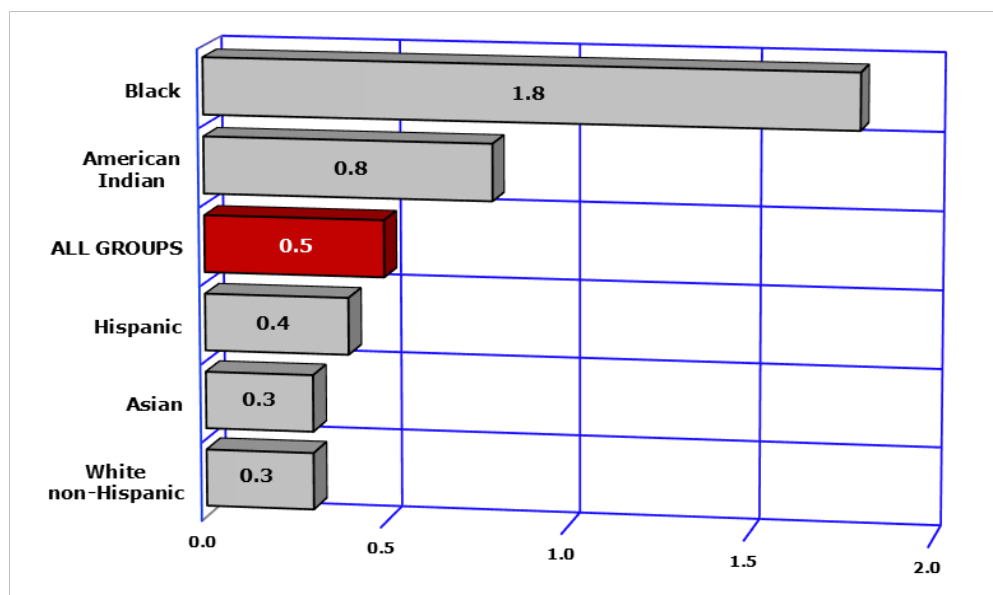
4-7 SUDDEN INFANT DEATH SYNDROME (SIDS)

2019



Note: Per 1000 live births.

2009

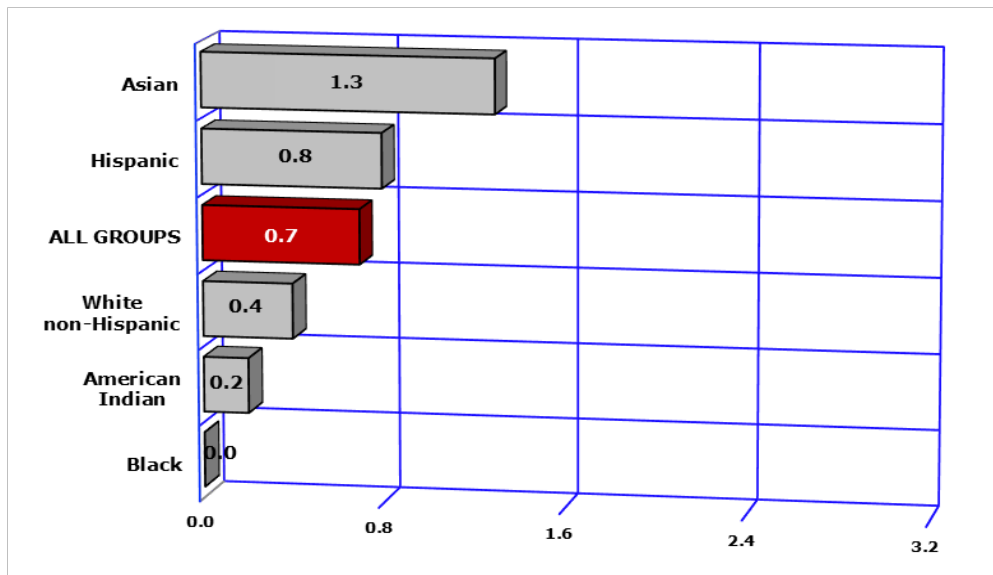


Note: Per 1000 live births.

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	0.5	0.3	0.4	1.8	0.8	0.3
2019	0.2	0.3	0.1	0.0	0.7	0.3
% change from 2009	-60.0	0.0	-75.0	-100.0	-12.5	0.0

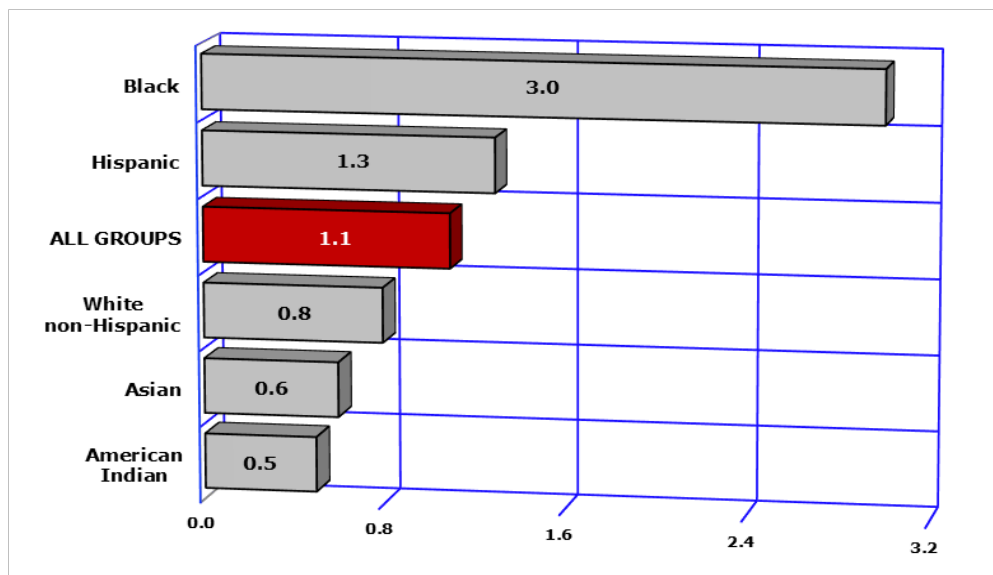
4-8 MORTALITY OF INFANTS FROM LOW BIRTHWEIGHT/SHORT GESTATION

2019



Note: Per 1000 live births.

2009

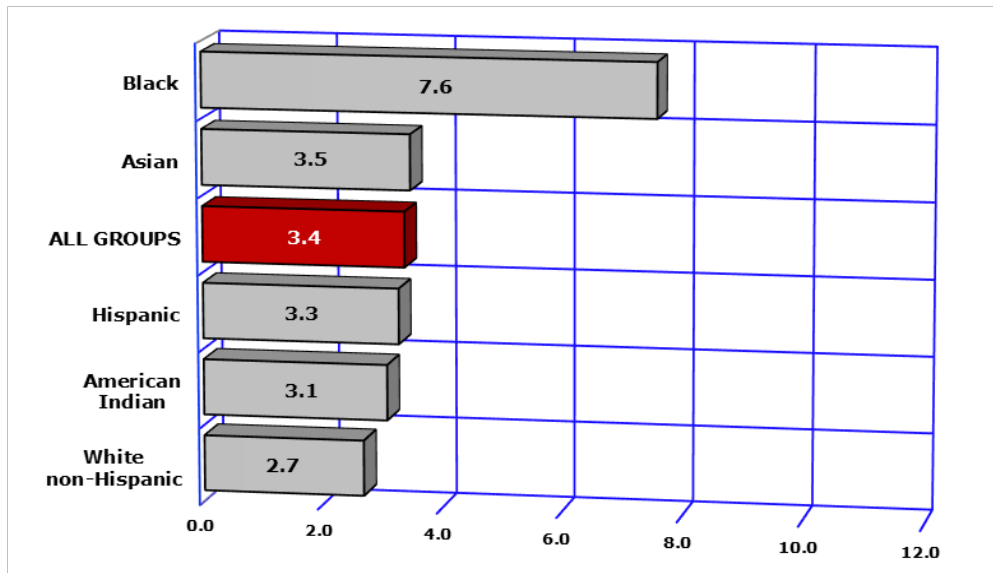


Note: Per 1000 live births.

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	1.1	0.8	1.3	3.0	0.5	0.6
2019	0.7	0.4	0.8	0.0	0.2	1.3
% change from 2009	-36.4	-50.0	-38.5	-100.0	-60.0	116.7

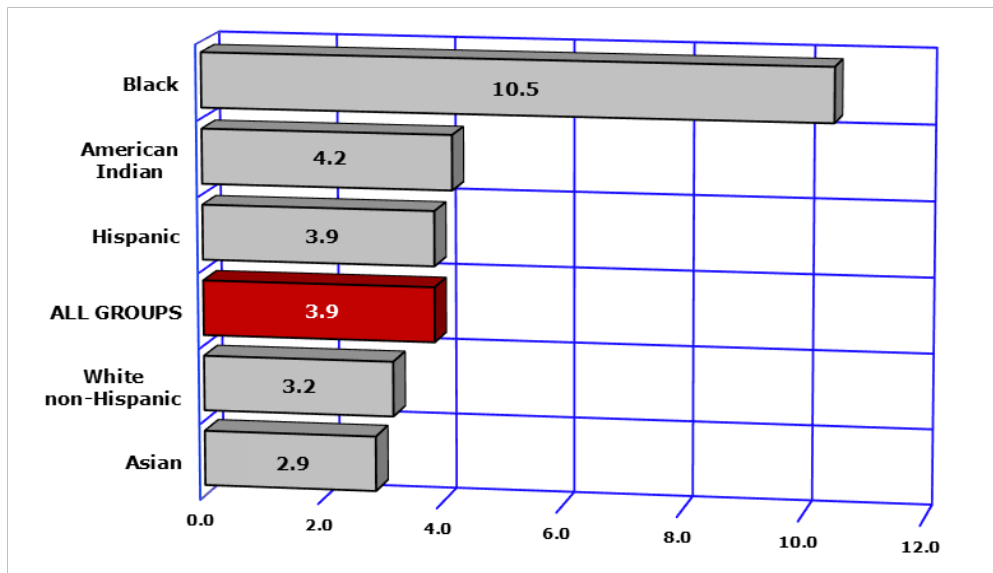
4-9 NEONATAL MORTALITY

2019



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

2009



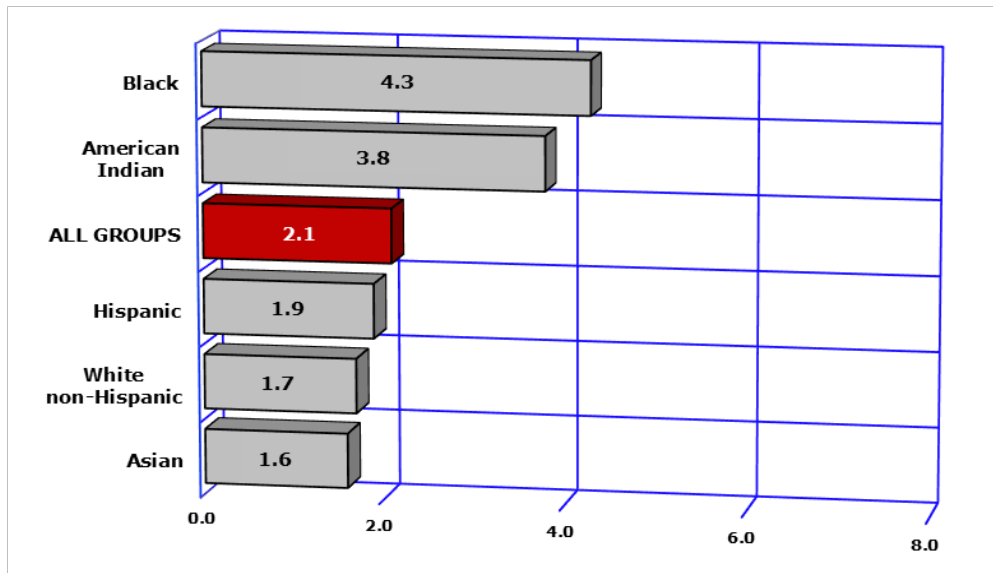
Note: Number of deaths per 1,000 live births.

COMPARATIVE RATES FOR 2009 AND 2019

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
2009	3.9	3.2	3.9	10.5	4.2	2.9
2019	3.4	2.7	3.3	7.6	3.1	3.5
% change from 2009	-12.8	-15.6	-15.4	-27.6	-26.2	20.7

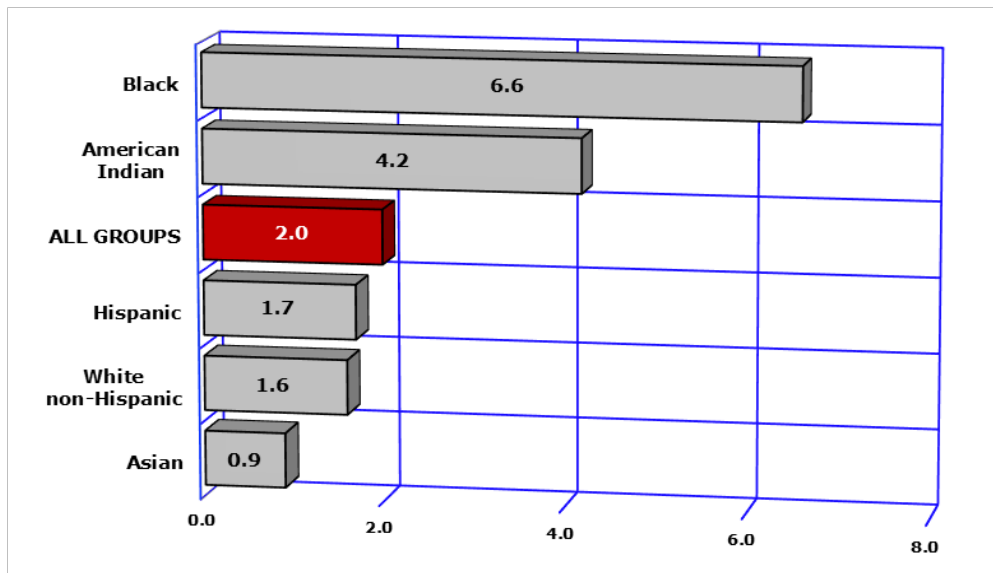
4-10 POSTNEONATAL MORTALITY

2019



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

2009



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

COMPARATIVE RATES FOR 2009 AND 2019

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
2009	2.0	1.6	1.7	6.6	4.2	0.9
2019	2.1	1.7	1.9	4.3	3.8	1.6
% change from 2009	5.0	6.2	11.8	-34.8	-9.5	77.8

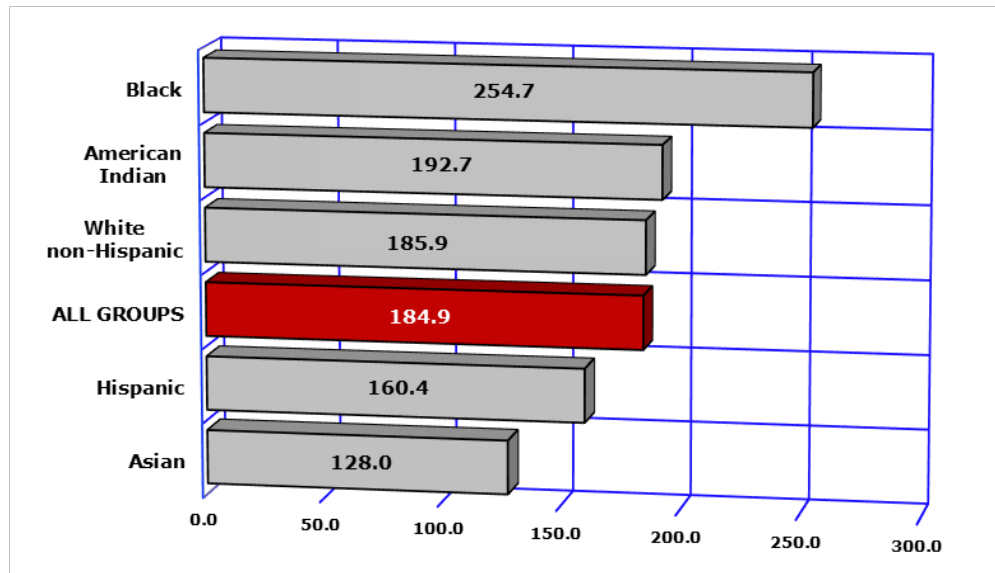
5

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**

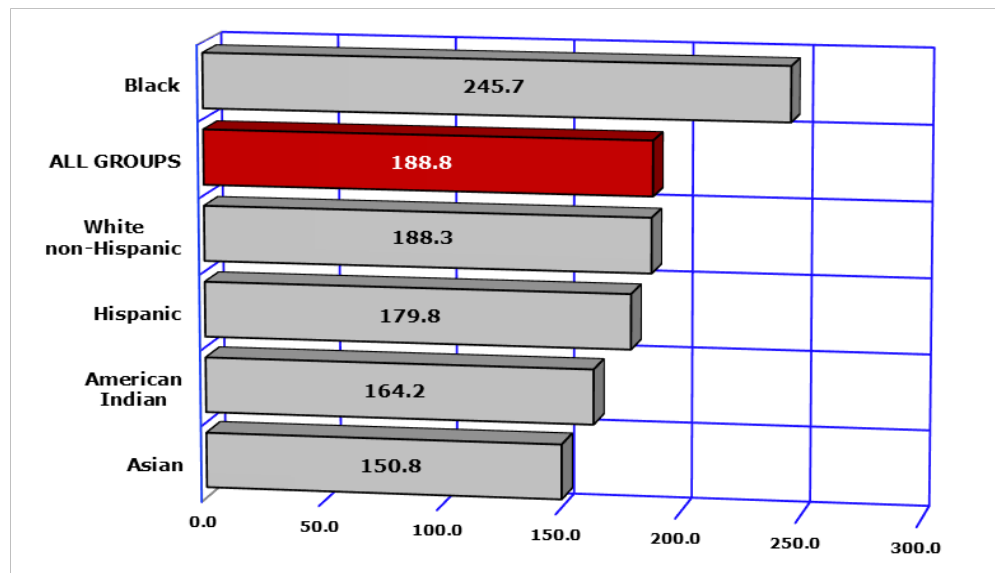
5-1 CARDIOVASCULAR DISEASE

2019



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

2009



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

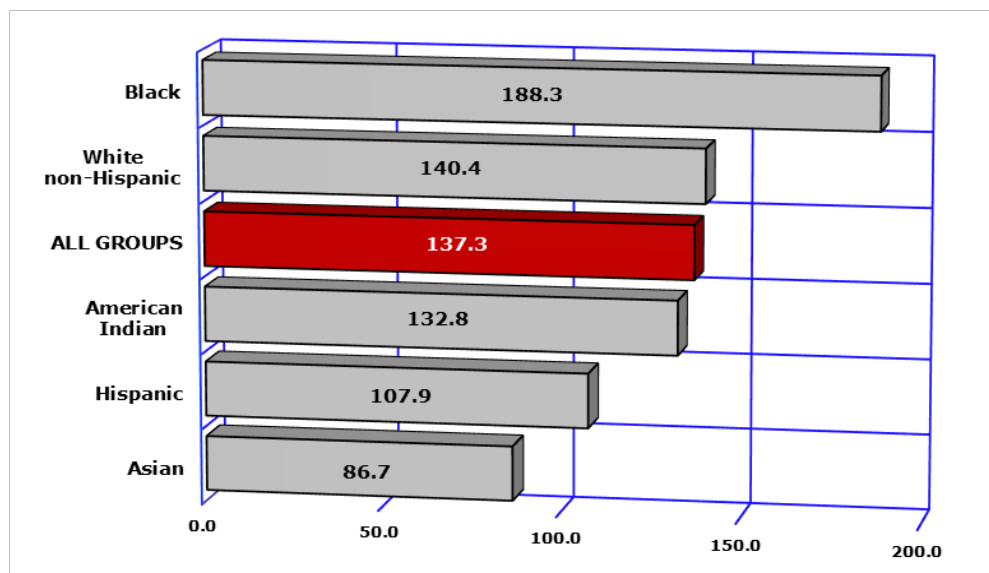
COMPARATIVE RATES FOR 2009 AND 2019

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
2009	188.8	188.3	179.8	245.7	164.2	150.8
2019	184.9	185.9	160.4	254.7	192.7	128.0
% change from 2009	-2.1	-1.3	-10.8	3.7	17.4	-15.1

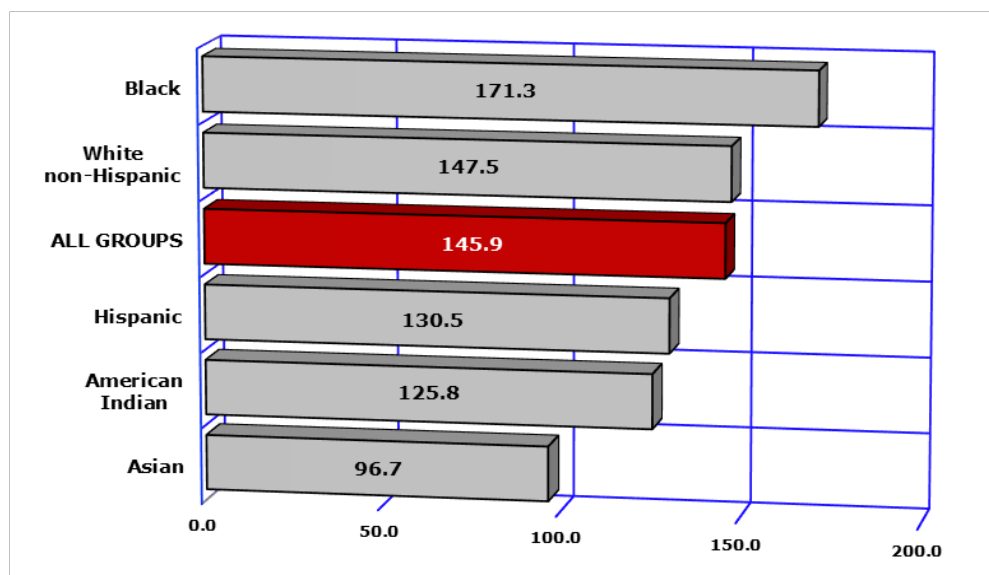
5-2 DISEASES OF THE HEART

2019



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

2009

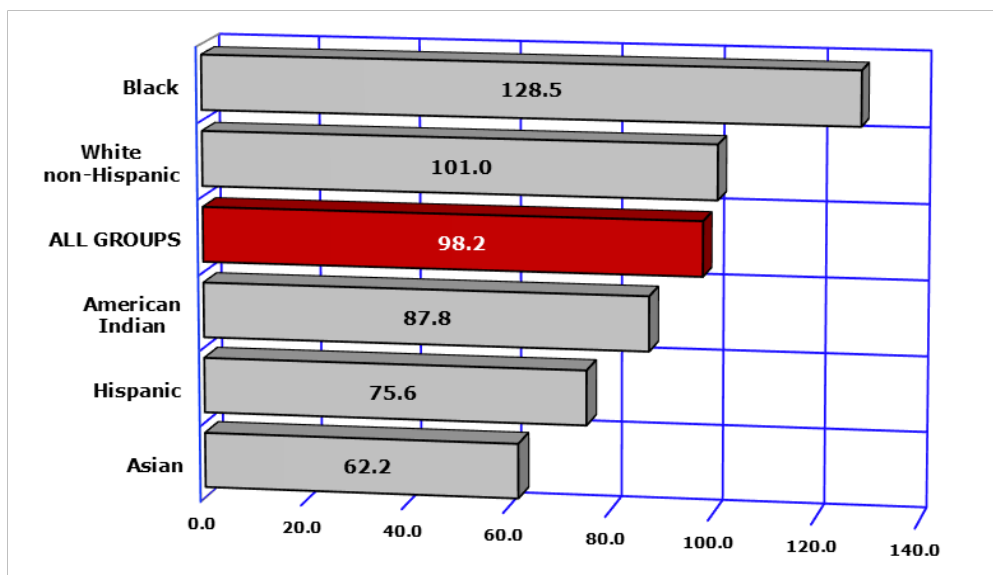


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	145.9	147.5	130.5	171.3	125.8	96.7
2019	137.3	140.4	107.9	188.3	132.8	86.7
% change from 2009	-5.9	-4.8	-17.3	9.9	5.6	-10.3

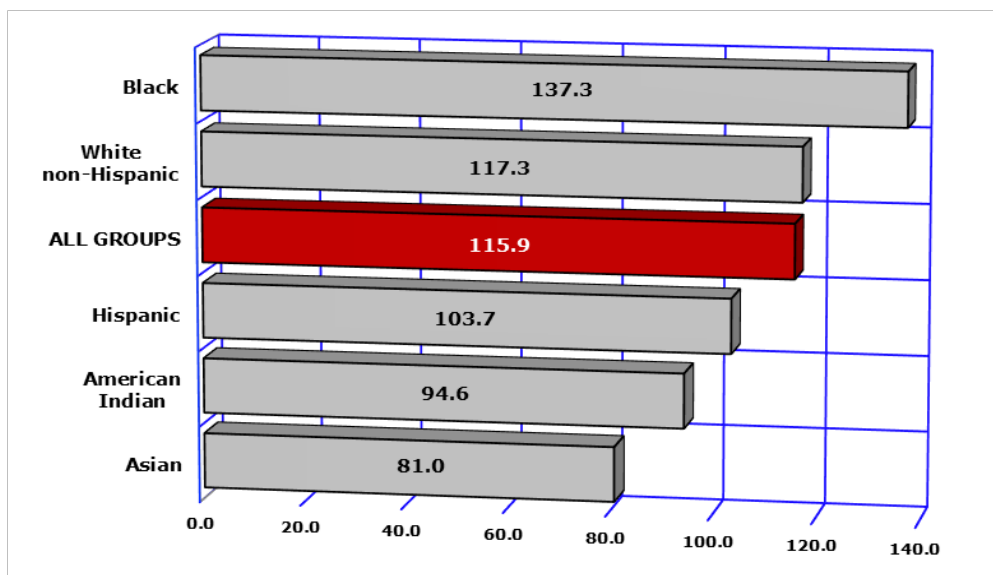
5-3 CORONARY HEART DISEASE

2019



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

2009

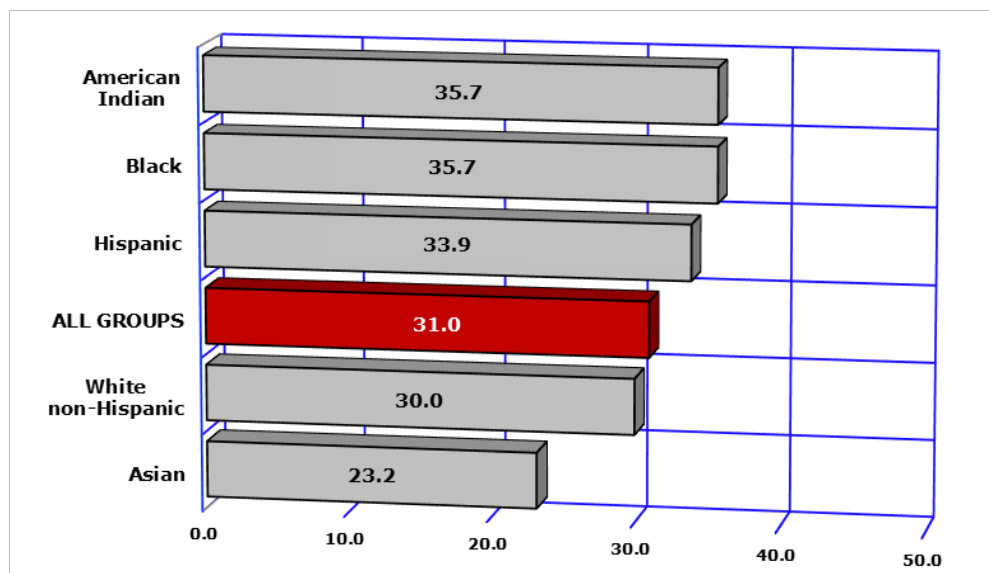


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	115.9	117.3	103.7	137.3	94.6	81.0
2019	98.2	101.0	75.6	128.5	87.8	62.2
% change from 2009	-15.3	-13.9	-27.1	-6.4	-7.2	-23.2

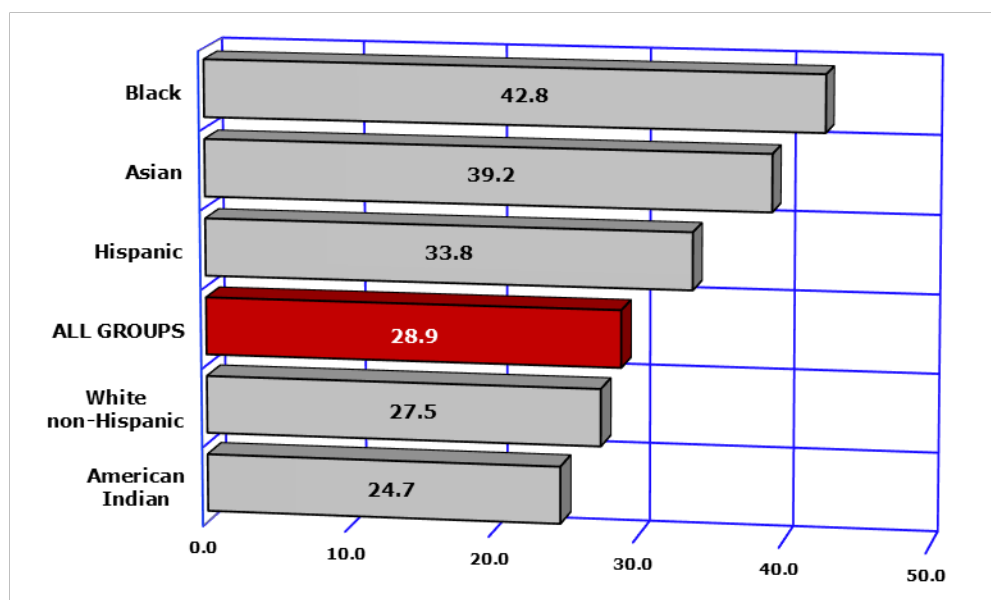
5-4 CEREBROVASCULAR DISEASE

2019



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

2009

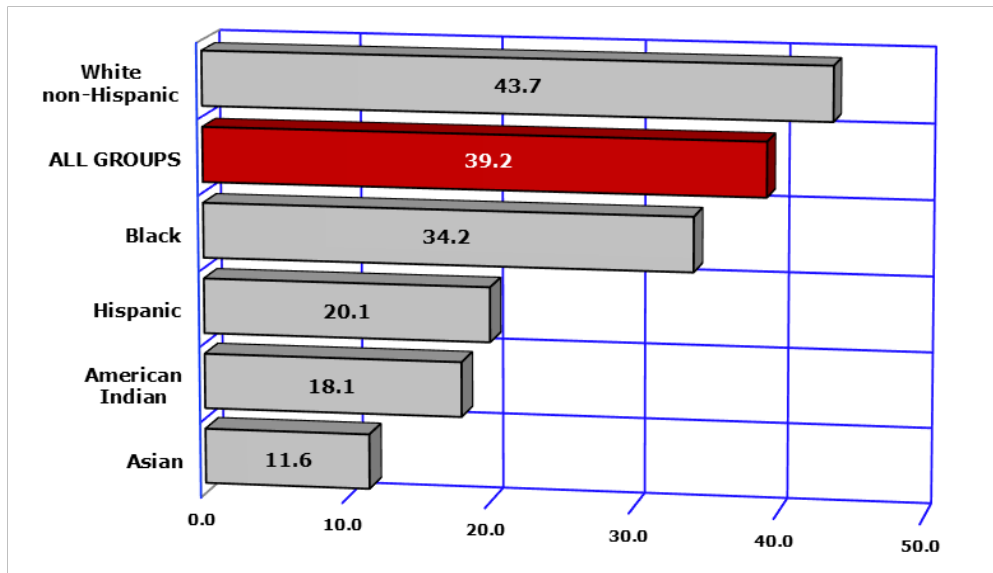


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	28.9	27.5	33.8	42.8	24.7	39.2
2019	31.0	30.0	33.9	35.7	35.7	23.2
% change from 2009	7.3	9.1	0.3	-16.6	44.5	-40.8

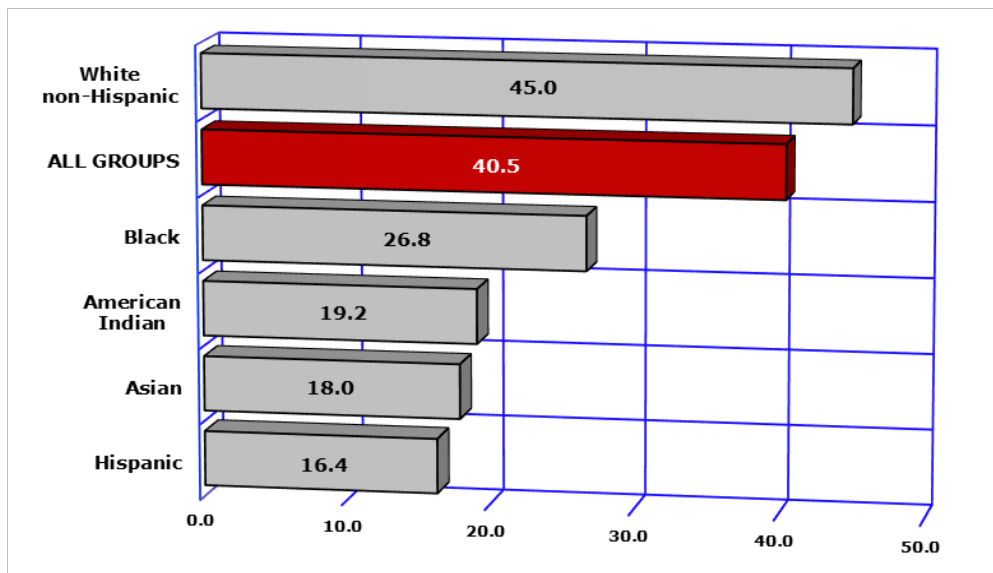
5-5 CHRONIC LOWER RESPIRATORY DISEASE

2019



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

2009

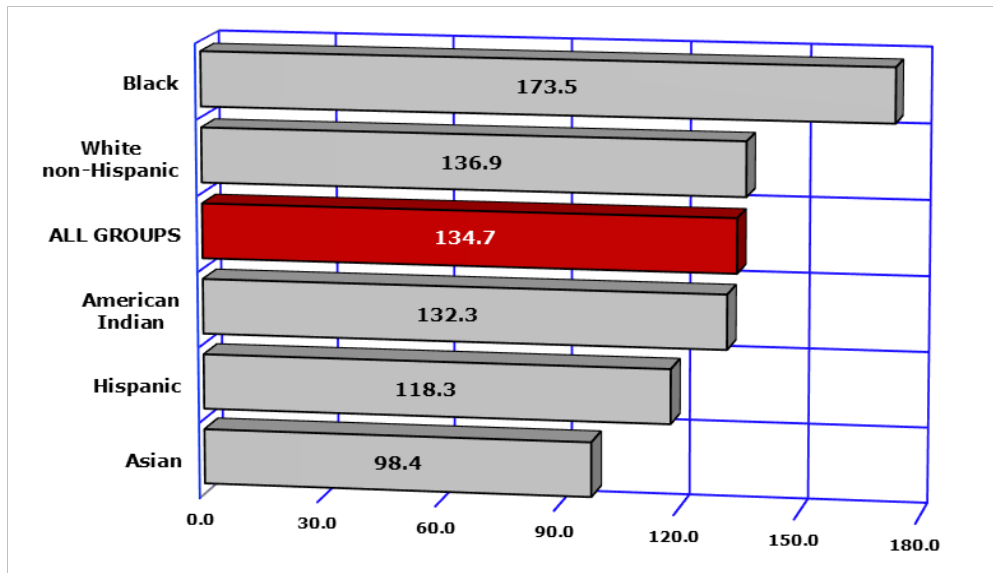


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	40.5	45.0	16.4	26.8	19.2	18.0
2019	39.2	43.7	20.1	34.2	18.1	11.6
% change from 2009	-3.2	-2.9	22.6	27.6	-5.7	-35.6

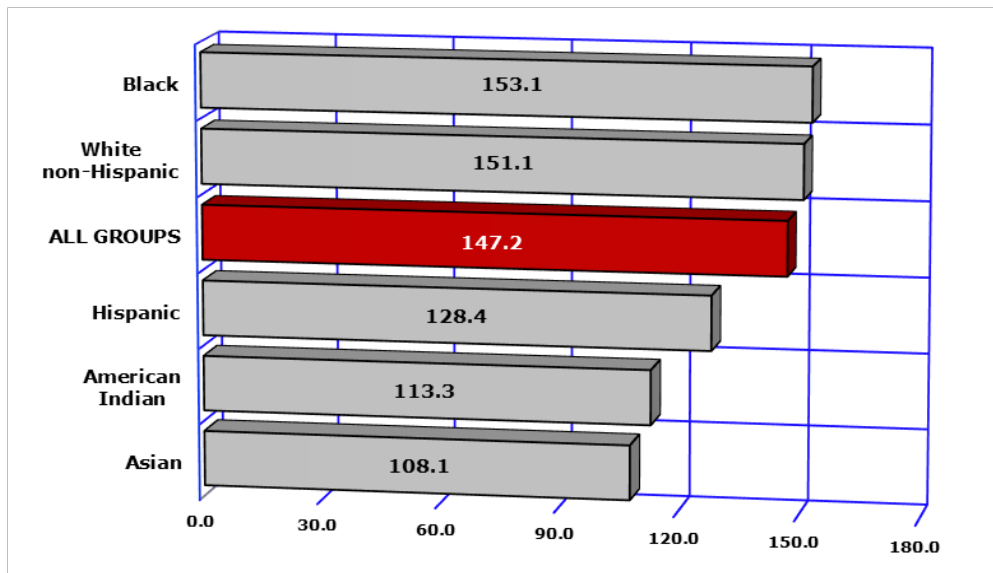
5-6 MALIGNANT NEOPLASM (CANCER)

2019



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

2009

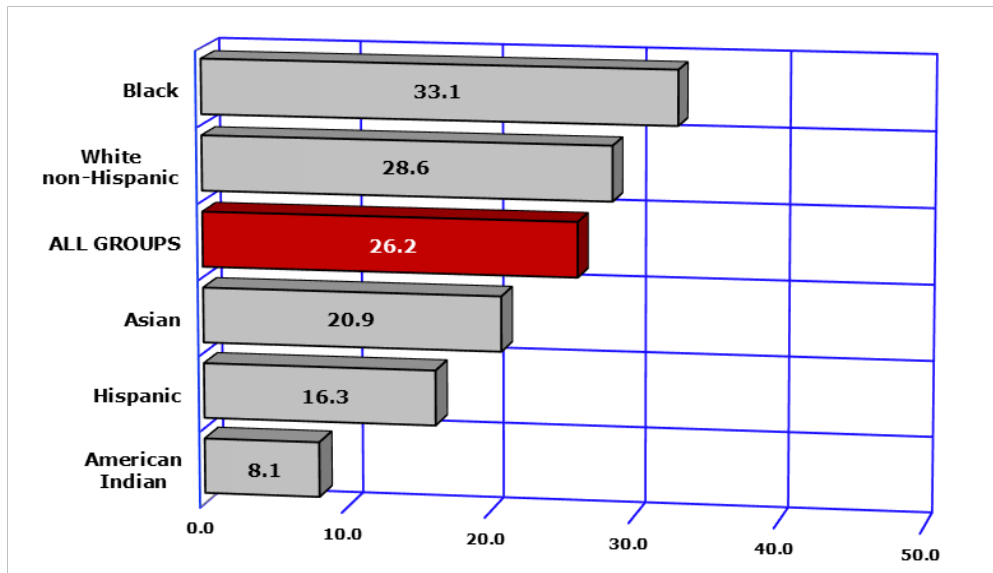


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	147.2	151.1	128.4	153.1	113.3	108.1
2019	134.7	136.9	118.3	173.5	132.3	98.4
% change from 2009	-8.5	-9.4	-7.9	13.3	16.8	-9.0

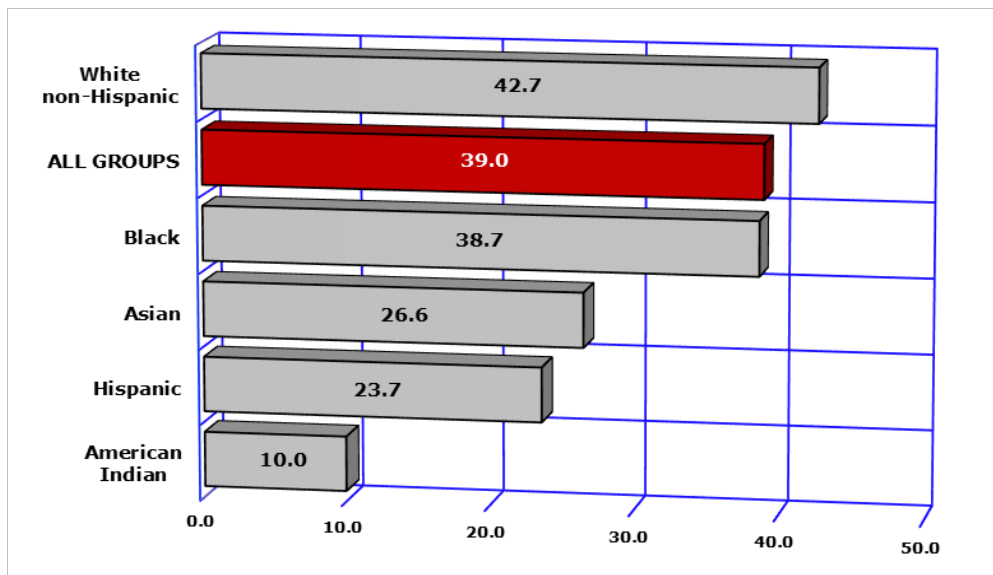
5-7 LUNG CANCER

2019



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

2009

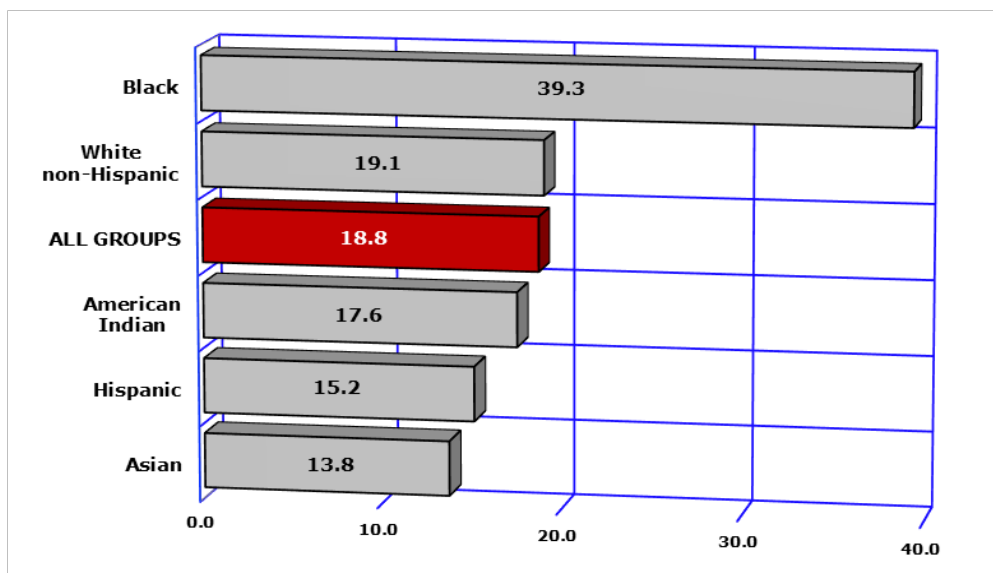


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	39.0	42.7	23.7	38.7	10.0	26.6
2019	26.2	28.6	16.3	33.1	8.1	20.9
% change from 2009	-32.8	-33.0	-31.2	-14.5	-19.0	-21.4

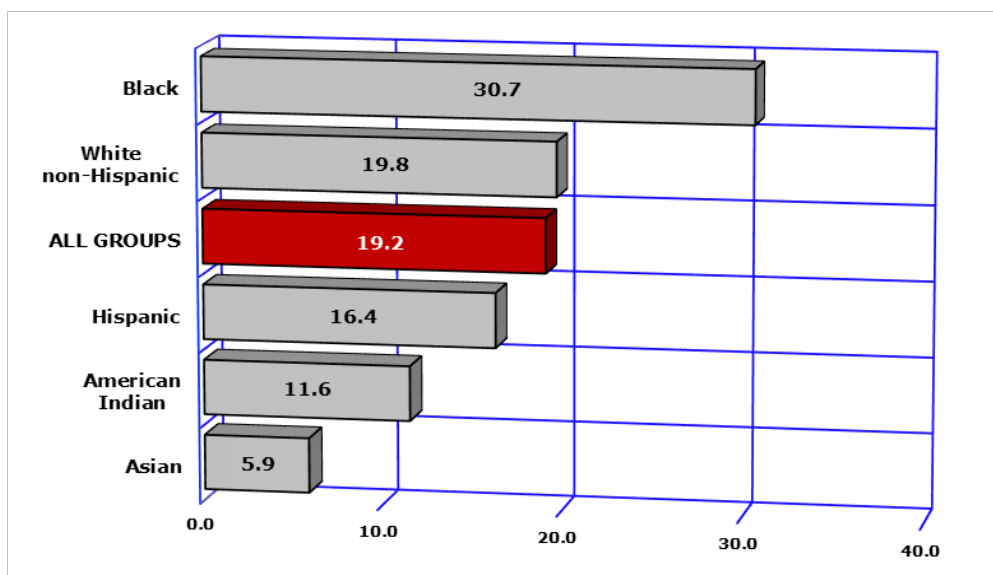
5-8 BREAST CANCER (FEMALE)

2019



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

2009

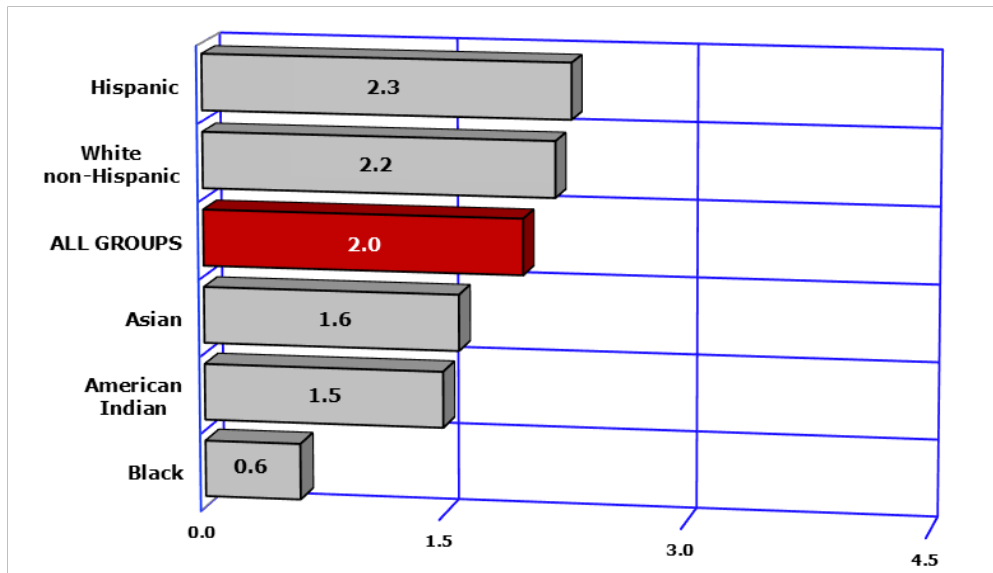


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	19.2	19.8	16.4	30.7	11.6	5.9
2019	18.8	19.1	15.2	39.3	17.6	13.8
% change from 2009	-2.1	-3.5	-7.3	28.0	51.7	133.9

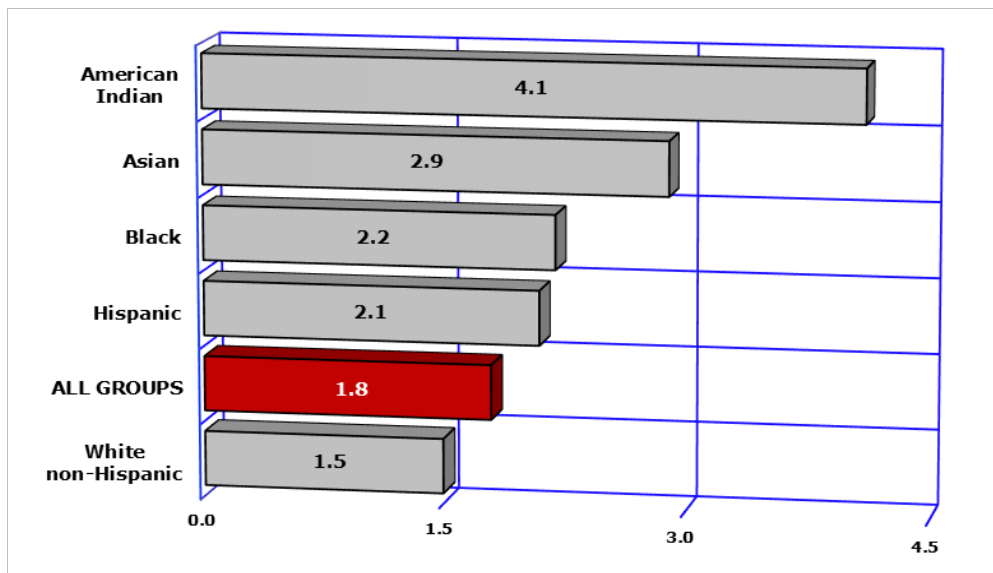
5-9 CERVICAL CANCER

2019



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

2009

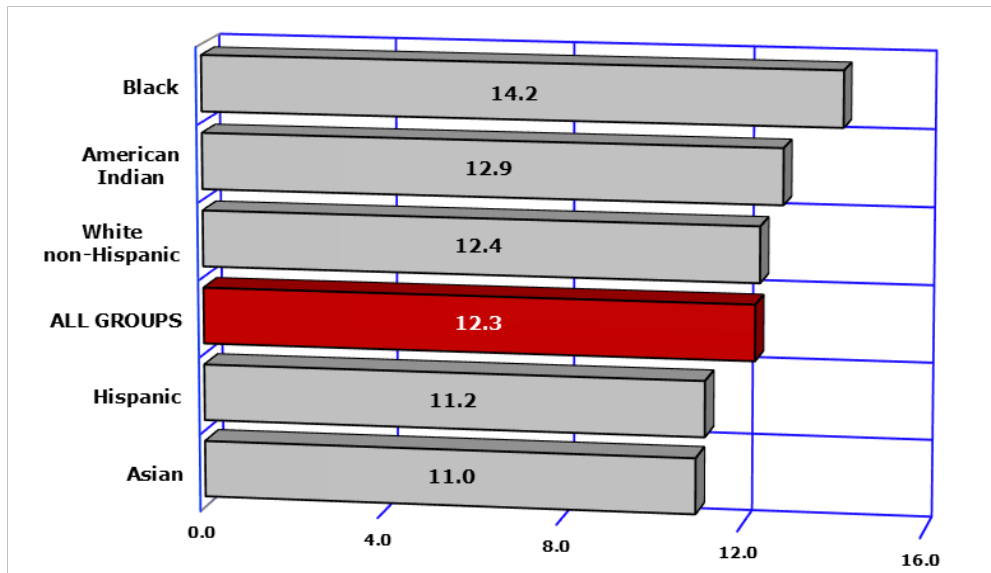


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	1.8	1.5	2.1	2.2	4.1	2.9
2019	2.0	2.2	2.3	0.6	1.5	1.6
% change from 2009	11.1	46.7	9.5	-72.7	-63.4	-44.8

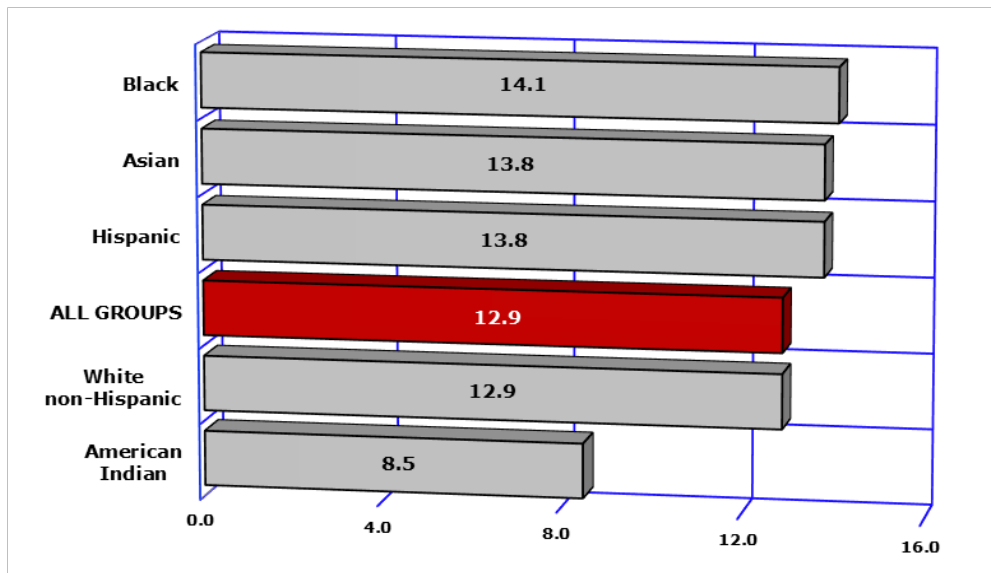
5-10 COLORECTAL CANCER

2019



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

2009



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

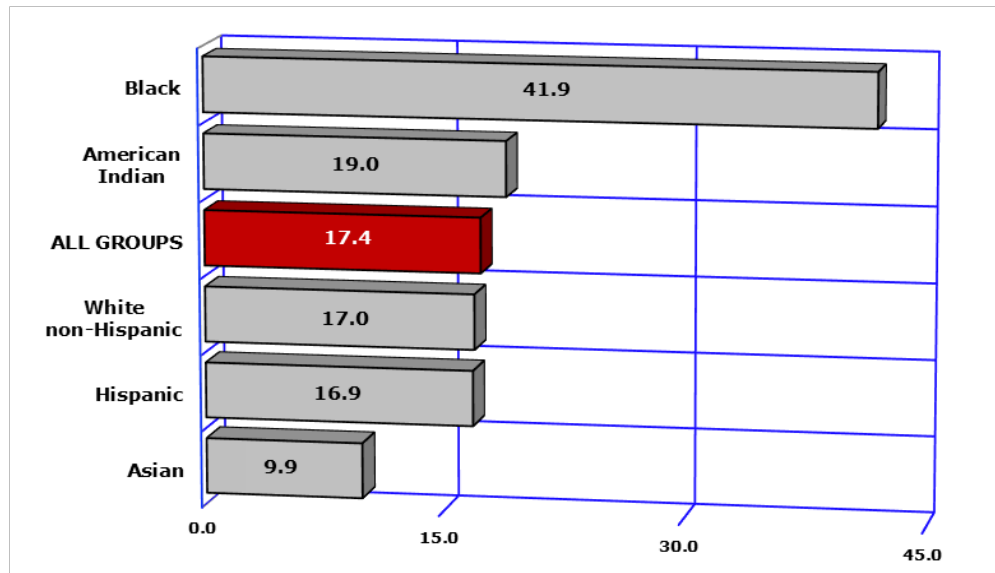
COMPARATIVE RATES FOR 2009 AND 2019

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
2009	12.9	12.9	13.8	14.1	8.5	13.8
2019	12.3	12.4	11.2	14.2	12.9	11.0
% change from 2009	-4.7	-3.9	-18.8	0.7	51.8	-20.3

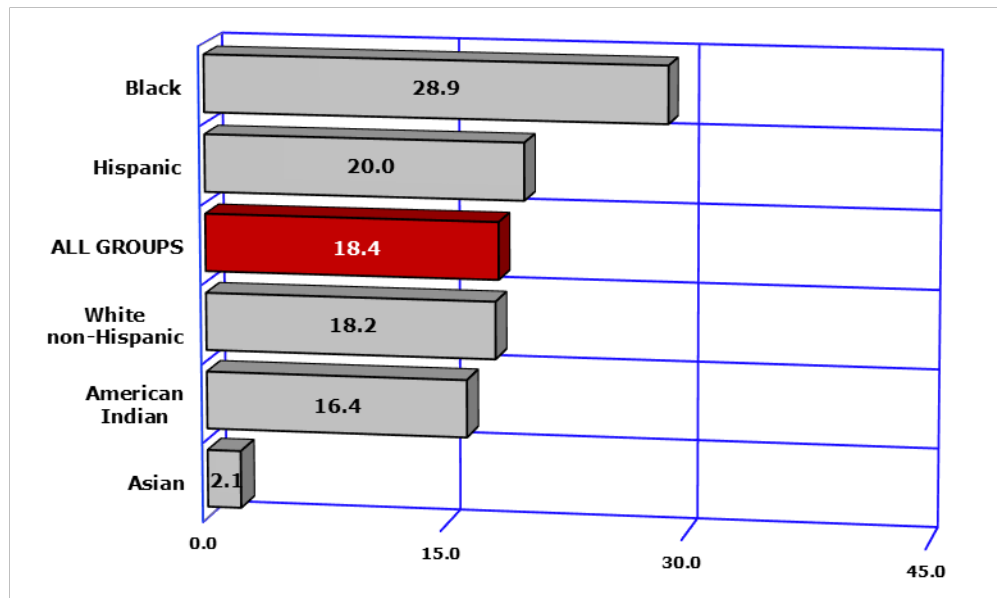
5-11 PROSTATE CANCER

2019



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

2009

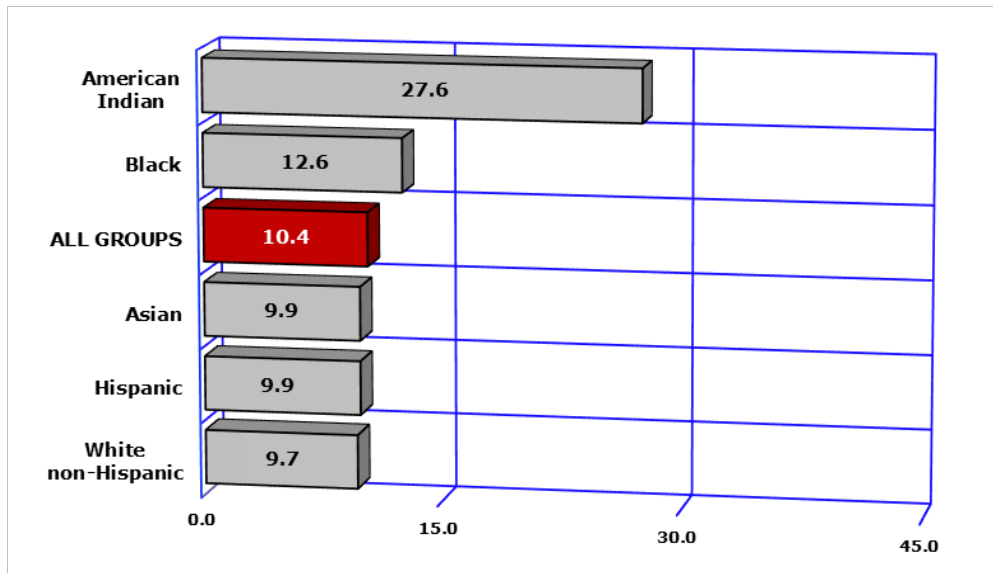


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
Number of deaths per 100,000 males 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
2009	18.4	18.2	20.0	28.9	16.4	2.1
2019	17.4	17.0	16.9	41.9	19.0	9.9
% change from 2009	-5.4	-6.6	-15.5	45.0	15.9	371.4

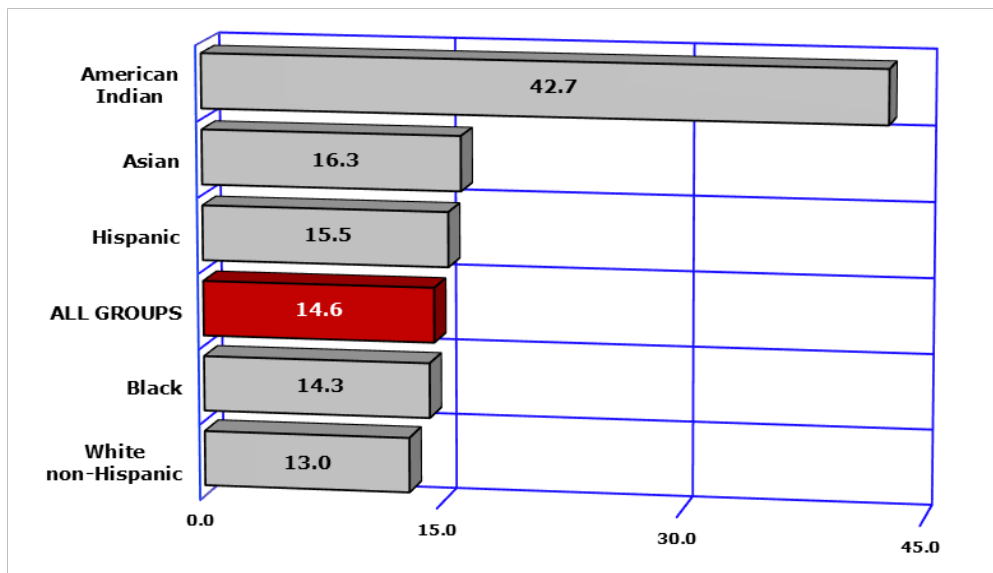
5-12 INFLUENZA AND PNEUMONIA

2019



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

2009

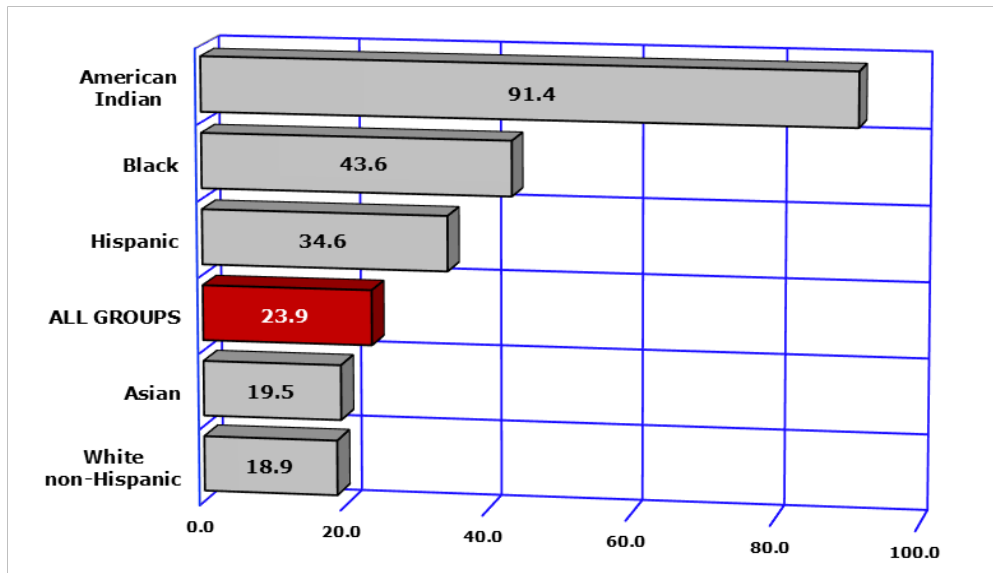


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	14.6	13.0	15.5	14.3	42.7	16.3
2019	10.4	9.7	9.9	12.6	27.6	9.9
% change from 2009	-28.8	-25.4	-36.1	-11.9	-35.4	-39.3

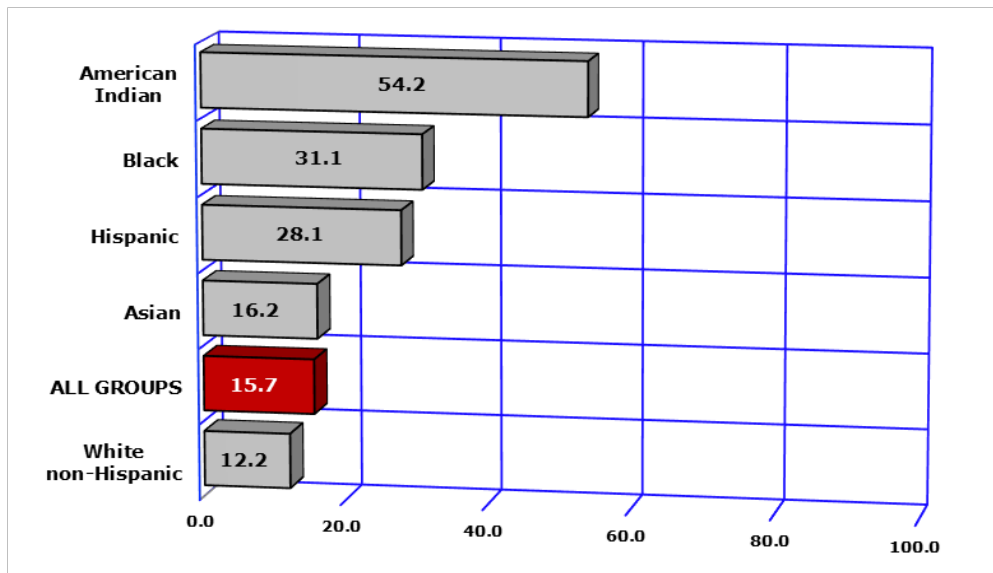
5-13 DIABETES

2019



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

2009

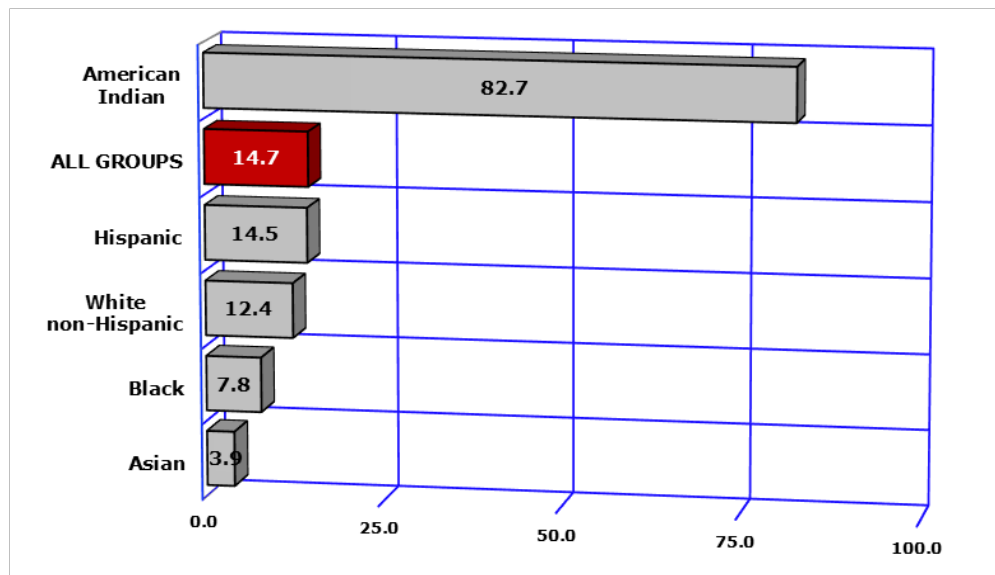


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	15.7	12.2	28.1	31.1	54.2	16.2
2019	23.9	18.9	34.6	43.6	91.4	19.5
% change from 2009	52.2	54.9	23.1	40.2	68.6	20.4

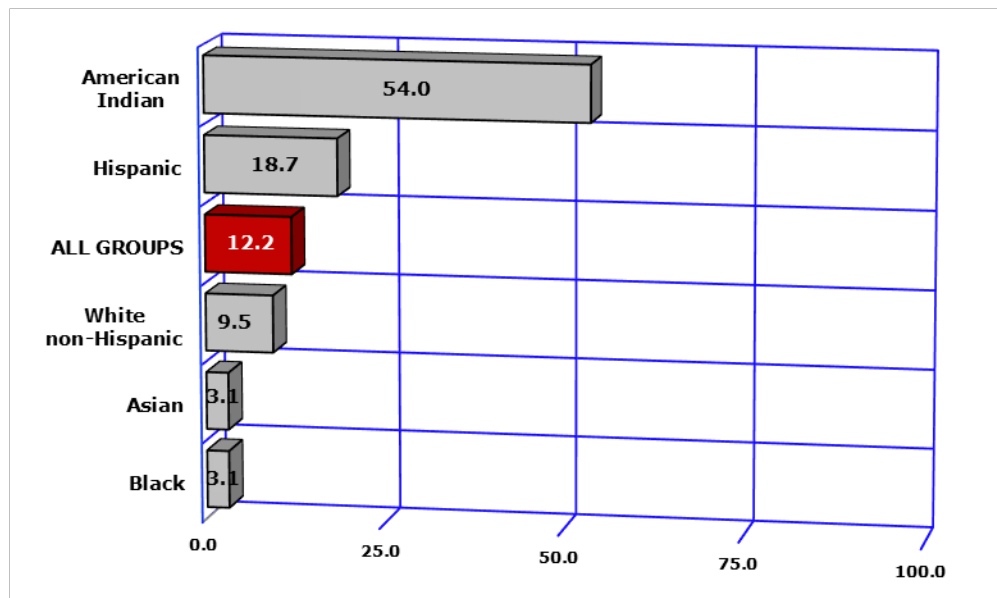
5-14 CHRONIC LIVER DISEASE AND CIRRHOSIS

2019



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

2009

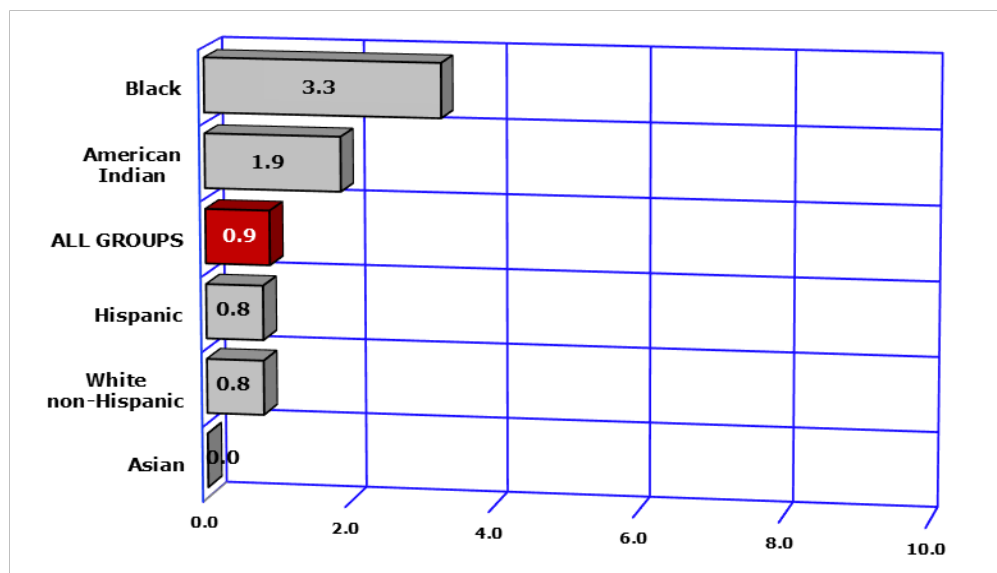


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	12.2	9.5	18.7	3.1	54.0	3.1
2019	14.7	12.4	14.5	7.8	82.7	3.9
% change from 2009	20.5	30.5	-22.5	151.6	53.1	25.8

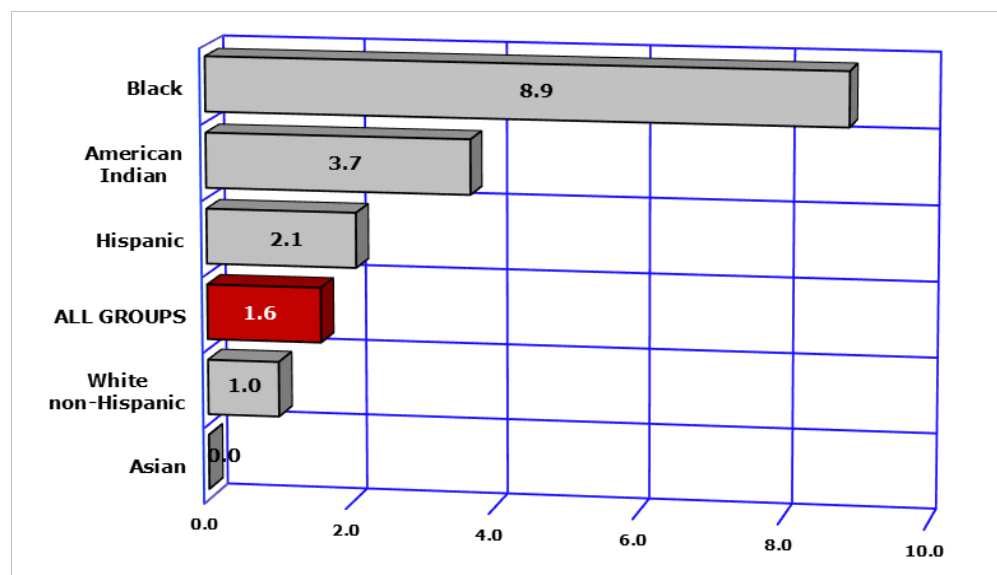
5-15 HIV DISEASE

2019



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

2009

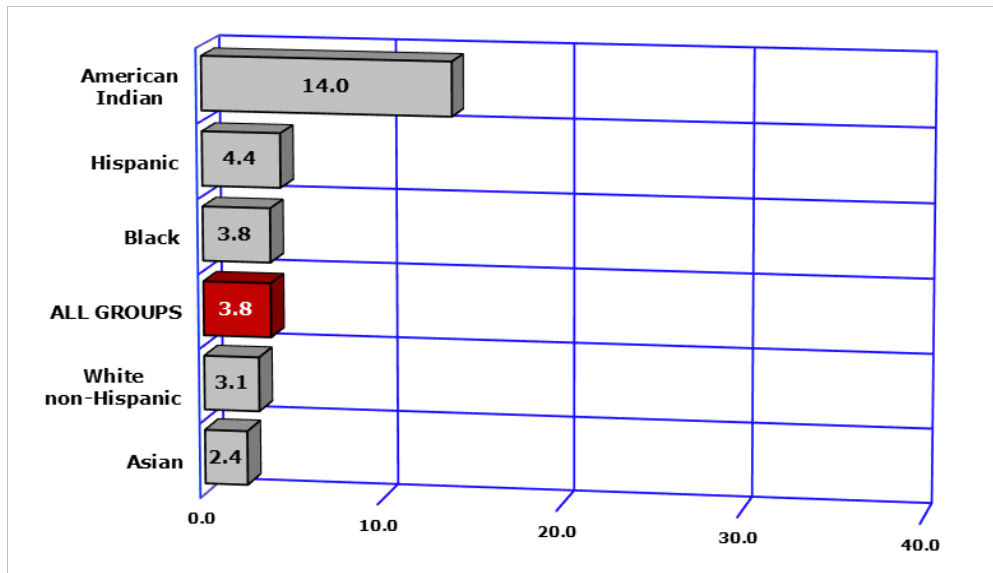


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	1.6	1.0	2.1	8.9	3.7	0.0
2019	0.9	0.8	0.8	3.3	1.9	0.0
% change from 2009	-43.8	-20.0	-61.9	-62.9	-48.6	0.0

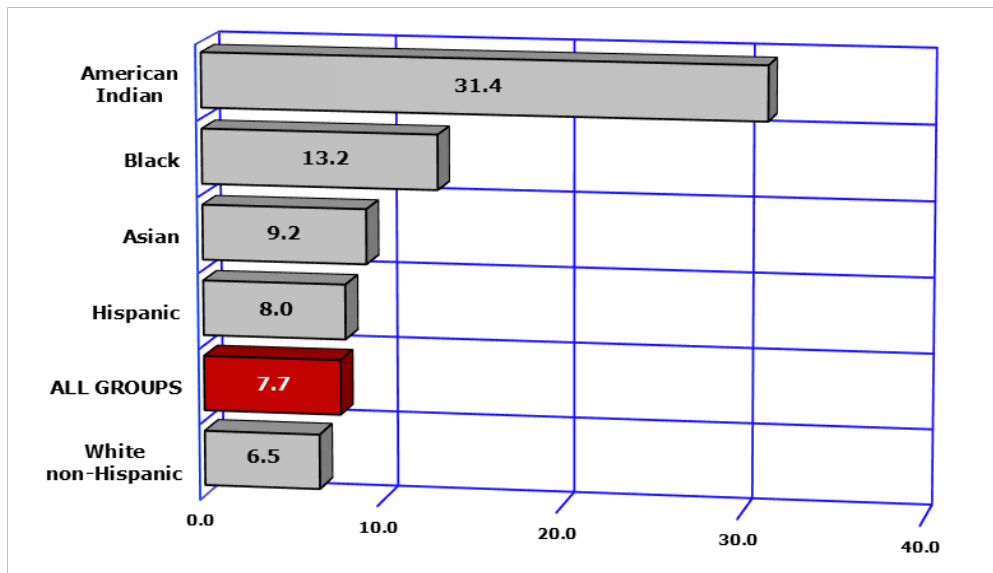
5-16 SEPTICEMIA

2019



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

2009

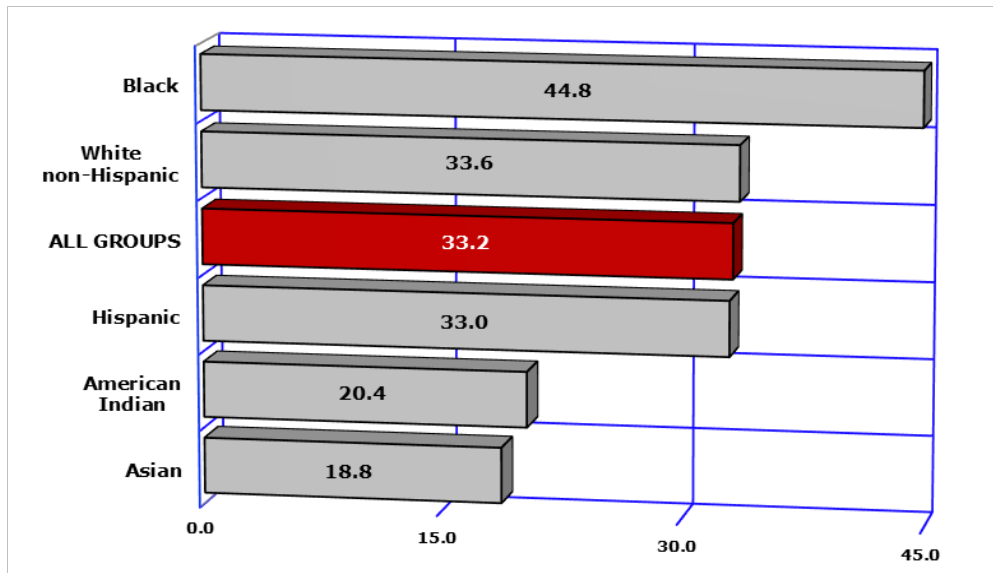


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	7.7	6.5	8.0	13.2	31.4	9.2
2019	3.8	3.1	4.4	3.8	14.0	2.4
% change from 2009	-50.6	-52.3	-45.0	-71.2	-55.4	-73.9

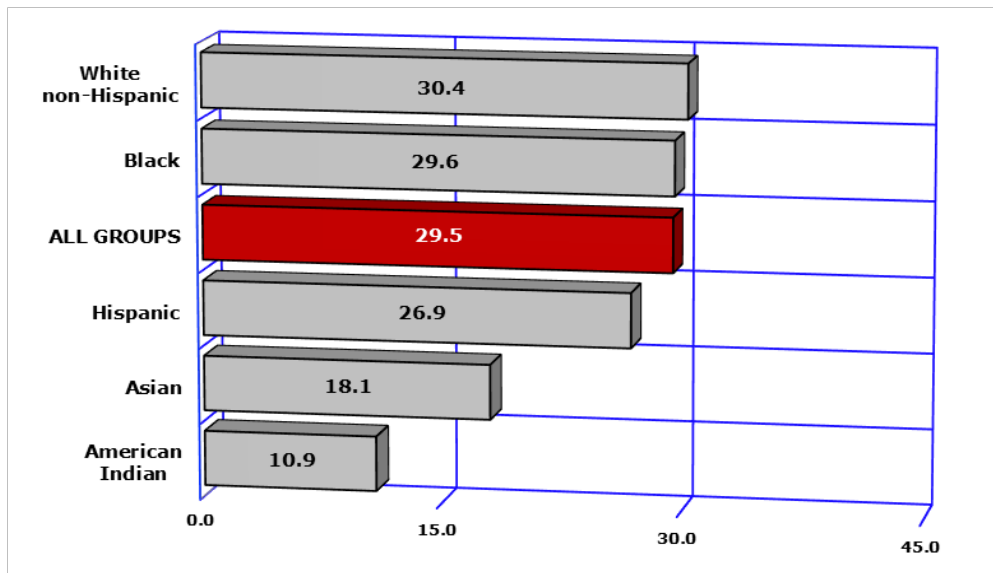
5-17 ALZHEIMER'S DISEASE

2019



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

2009

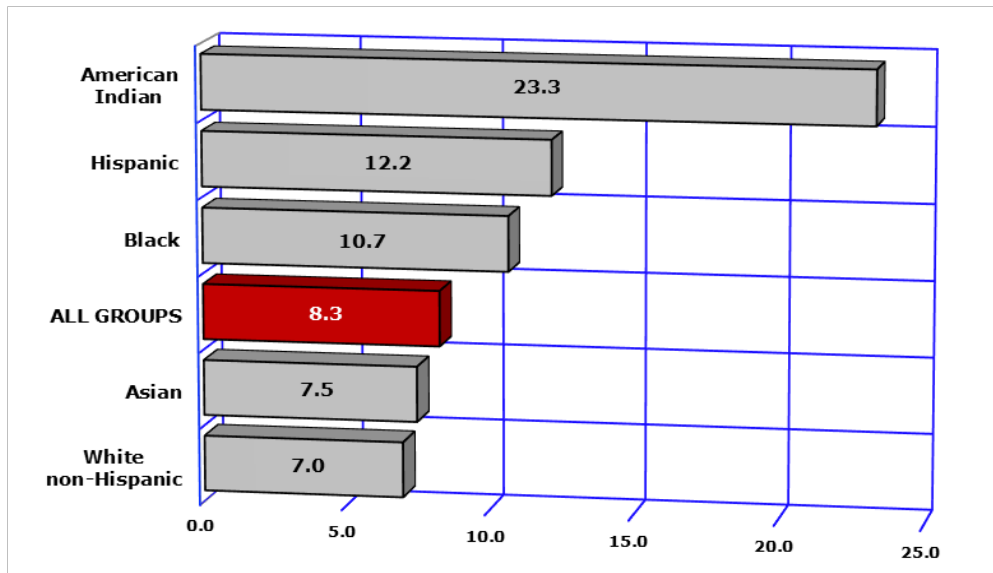


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	29.5	30.4	26.9	29.6	10.9	18.1
2019	33.2	33.6	33.0	44.8	20.4	18.8
% change from 2009	12.5	10.5	22.7	51.4	87.2	3.9

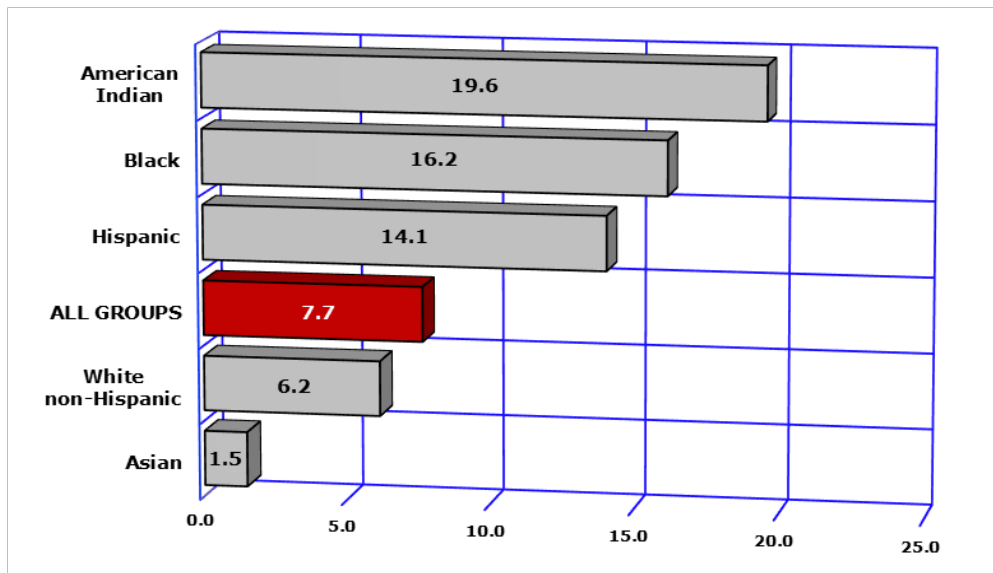
5-18 NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS

2019



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

2009

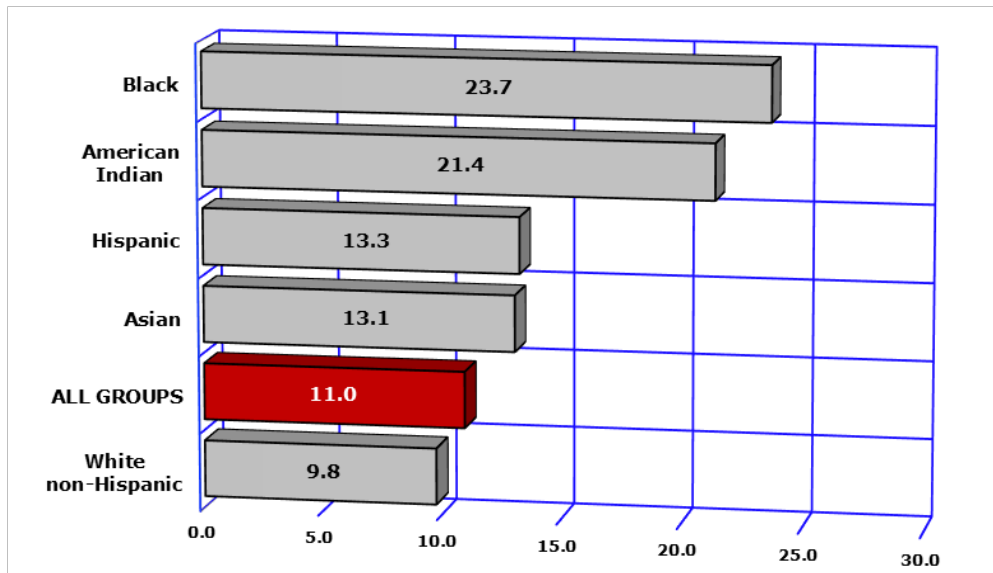


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	7.7	6.2	14.1	16.2	19.6	1.5
2019	8.3	7.0	12.2	10.7	23.3	7.5
% change from 2009	7.8	12.9	-13.5	-34.0	18.9	400.0

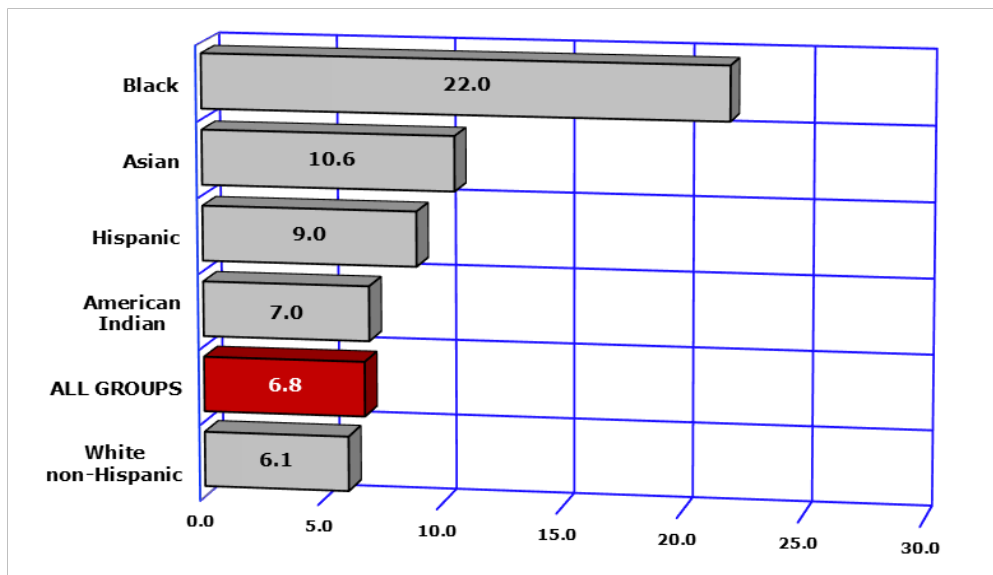
5-19 ESSENTIAL (PRIMARY) HYPERTENSION

2019



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

2009

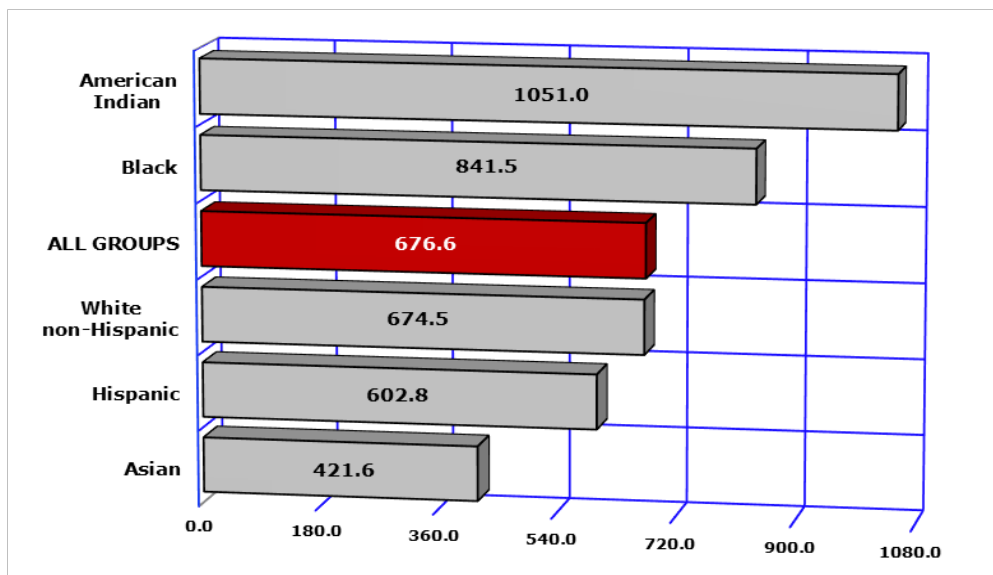


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	6.8	6.1	9.0	22.0	7.0	10.6
2019	11.0	9.8	13.3	23.7	21.4	13.1
% change from 2009	61.8	60.7	47.8	7.7	205.7	23.6

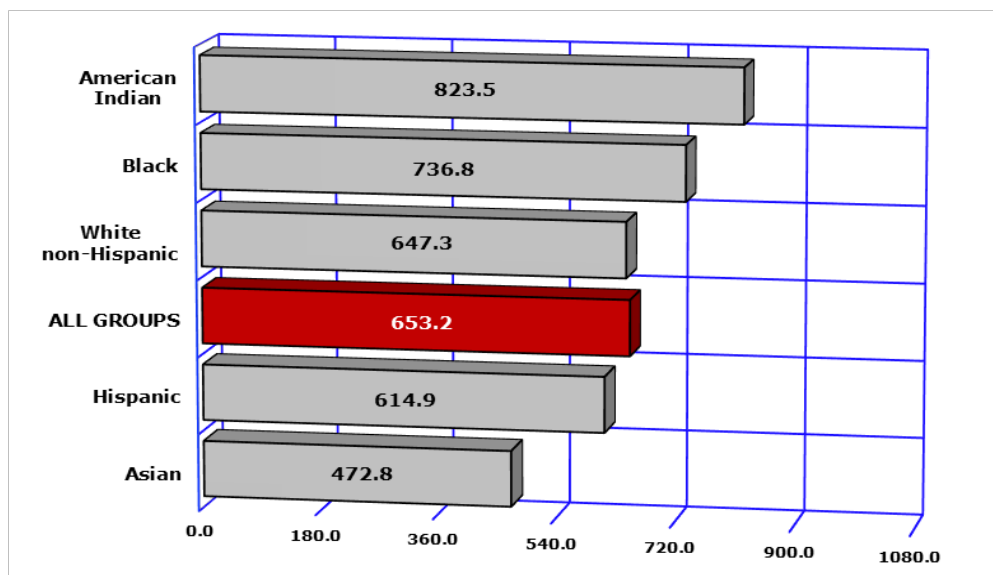
5-20 TOTAL MORTALITY FROM ALL CAUSES

2019



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

2009



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

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	653.2	647.3	614.9	736.8	823.5	472.8
2019	676.6	674.5	602.8	841.5	1051.0	421.6
% change from 2009	3.6	4.2	-2.0	14.2	27.6	-10.8

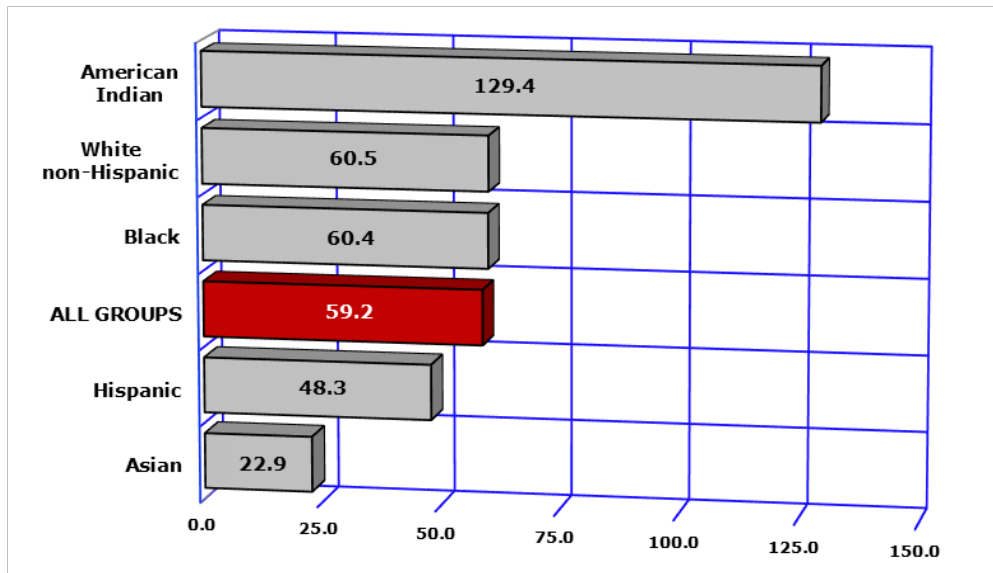
6

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)**

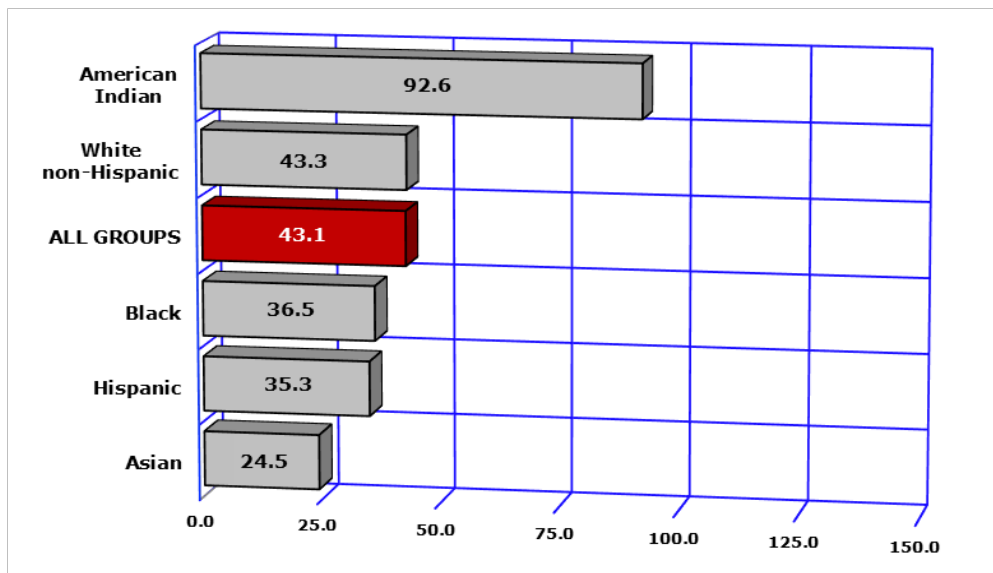
6-1 UNINTENTIONAL INJURIES

2019



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

2009

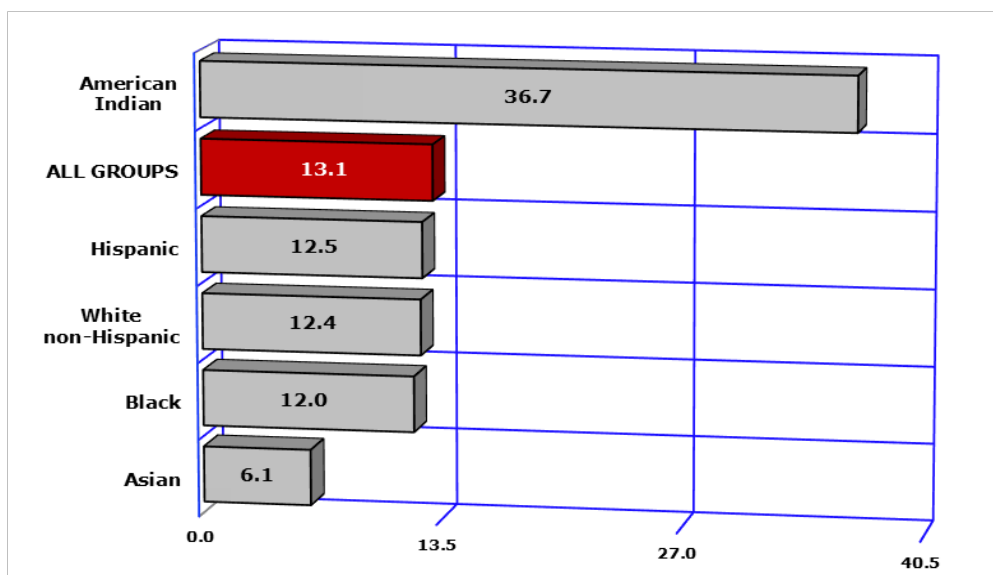


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	43.1	43.3	35.3	36.5	92.6	24.5
2019	59.2	60.5	48.3	60.4	129.4	22.9
% change from 2009	37.4	39.7	36.8	65.5	39.7	-6.5

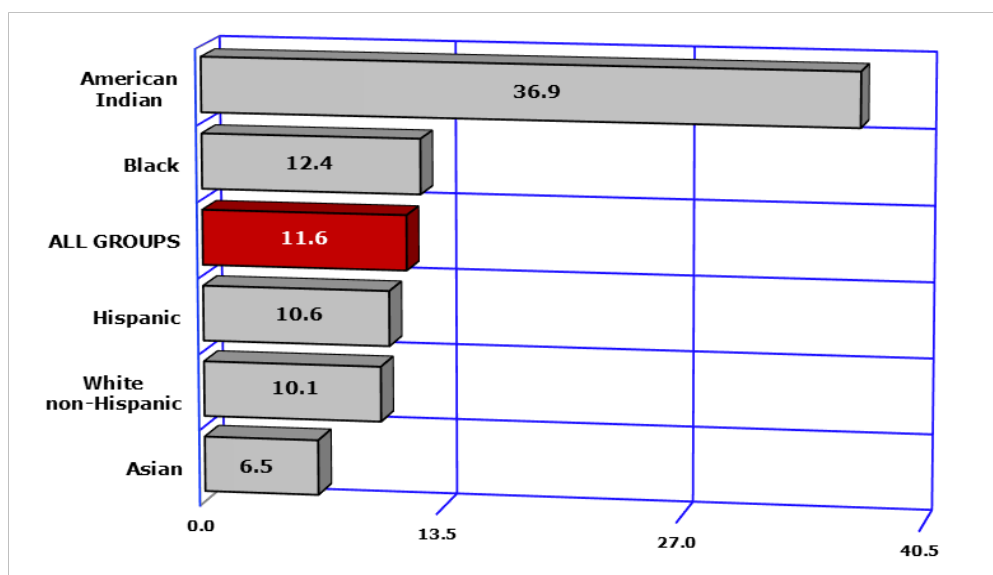
6-2 MOTOR VEHICLE-RELATED INJURIES

2019



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

2009

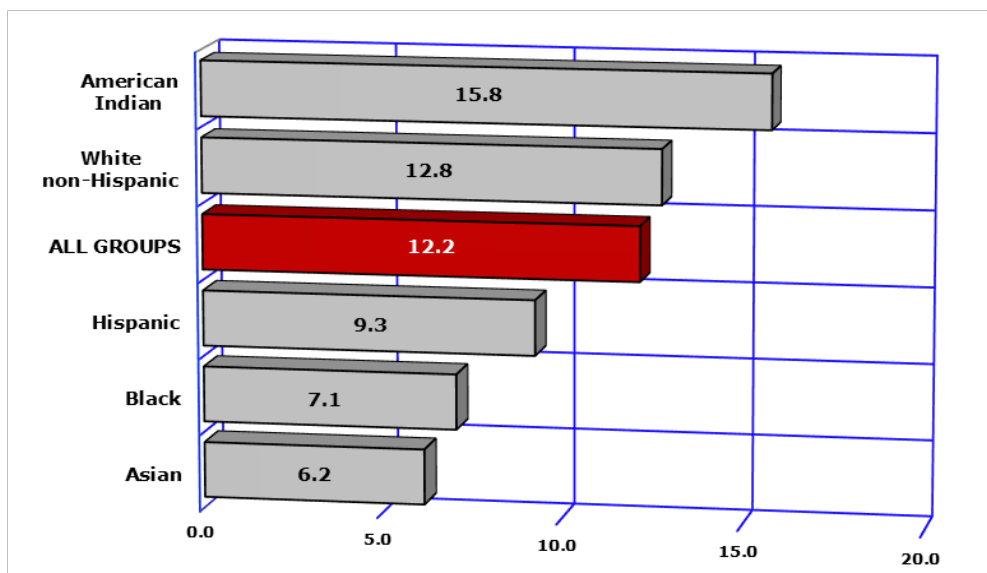


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	11.6	10.1	10.6	12.4	36.9	6.5
2019	13.1	12.4	12.5	12.0	36.7	6.1
% change from 2009	12.9	22.8	17.9	-3.2	-0.5	-6.2

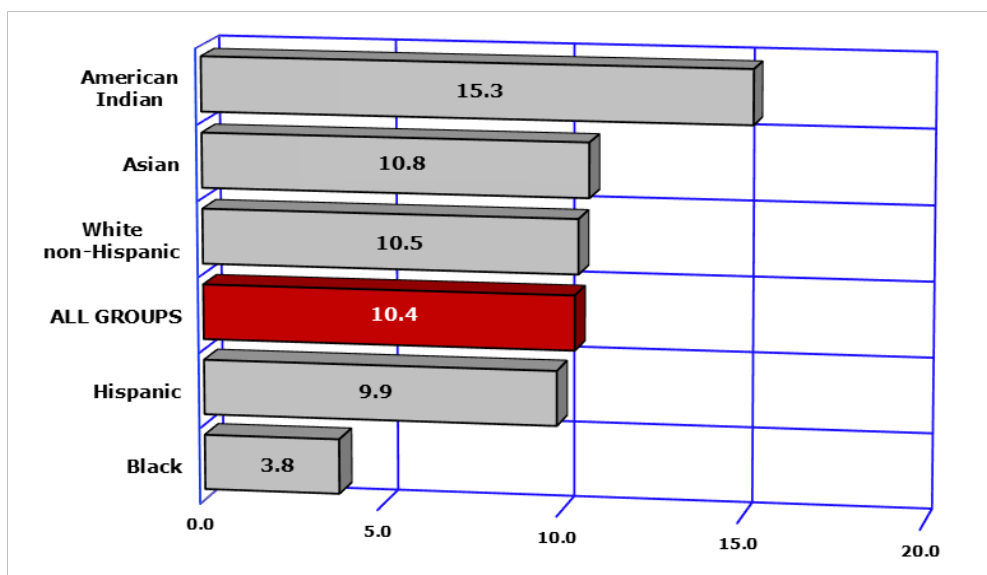
6-3 FALL-RELATED INJURIES

2019



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

2009

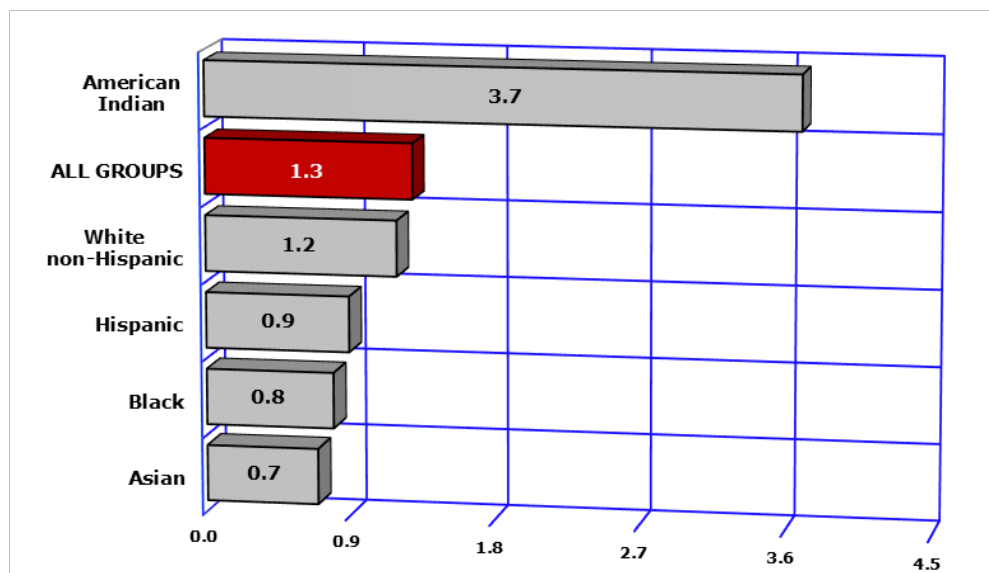


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	10.4	10.5	9.9	3.8	15.3	10.8
2019	12.2	12.8	9.3	7.1	15.8	6.2
% change from 2009	17.3	21.9	-6.1	86.8	3.3	-42.6

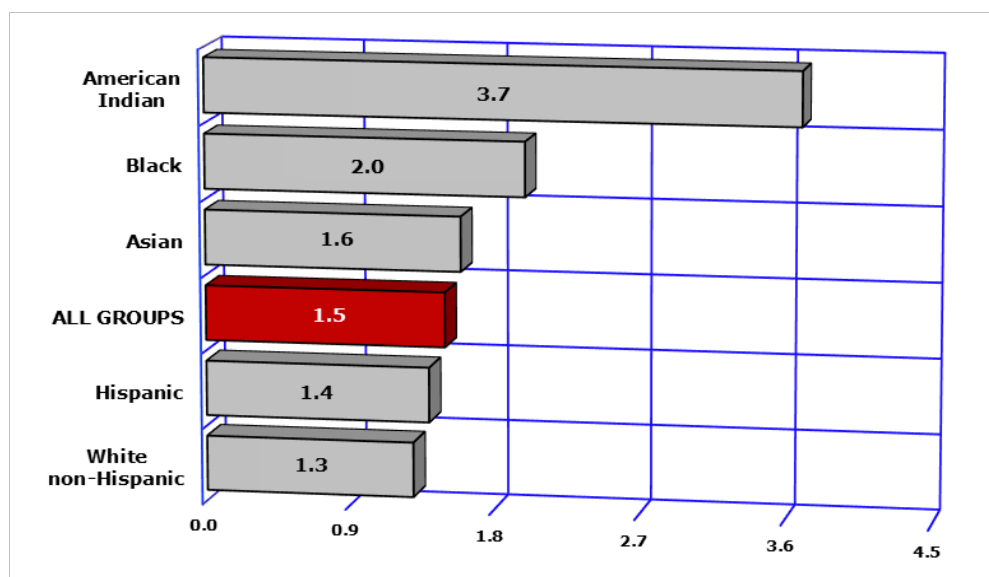
6-4 DROWNING

2019



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

2009

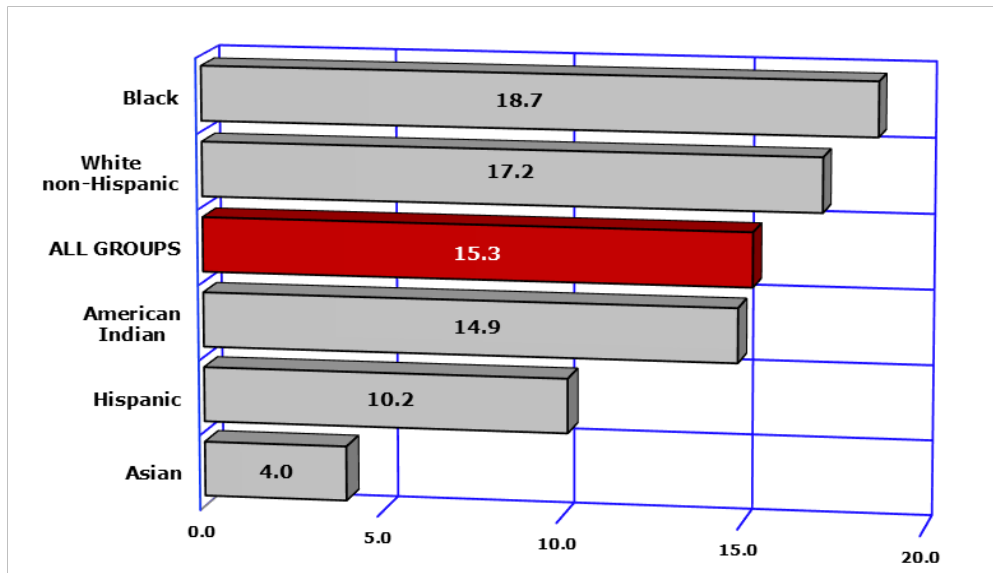


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	1.5	1.3	1.4	2.0	3.7	1.6
2019	1.3	1.2	0.9	0.8	3.7	0.7
% change from 2009	-13.3	-7.7	-35.7	-60.0	0.0	-56.3

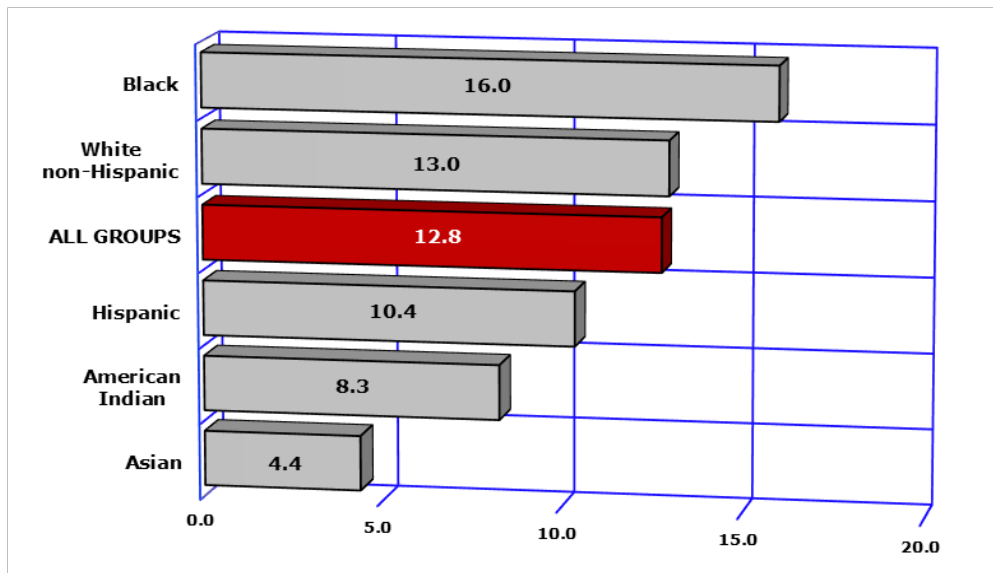
6-5 FIREARM-RELATED

2019



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

2009

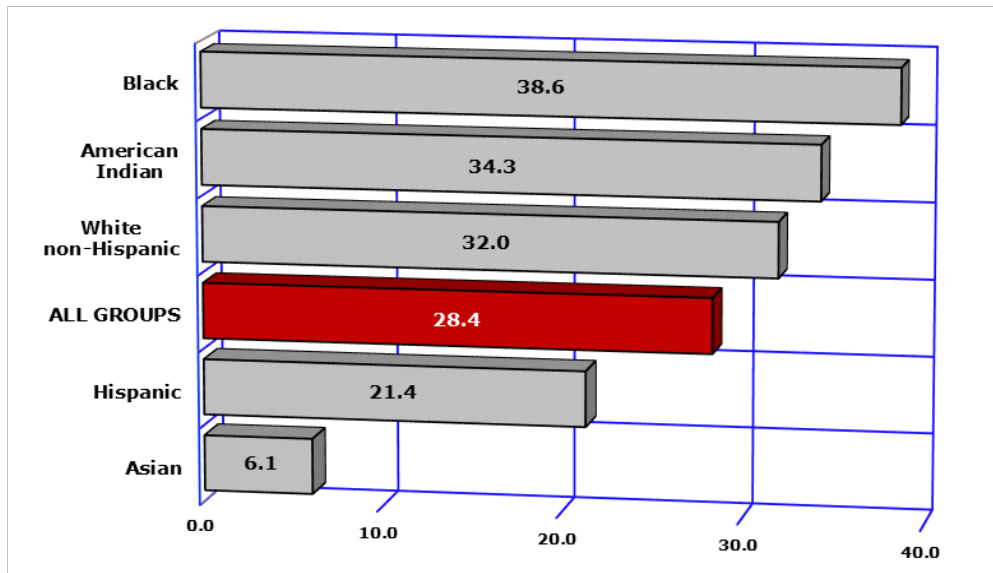


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	12.8	13.0	10.4	16.0	8.3	4.4
2019	15.3	17.2	10.2	18.7	14.9	4.0
% change from 2009	19.5	32.3	-1.9	16.9	79.5	-9.1

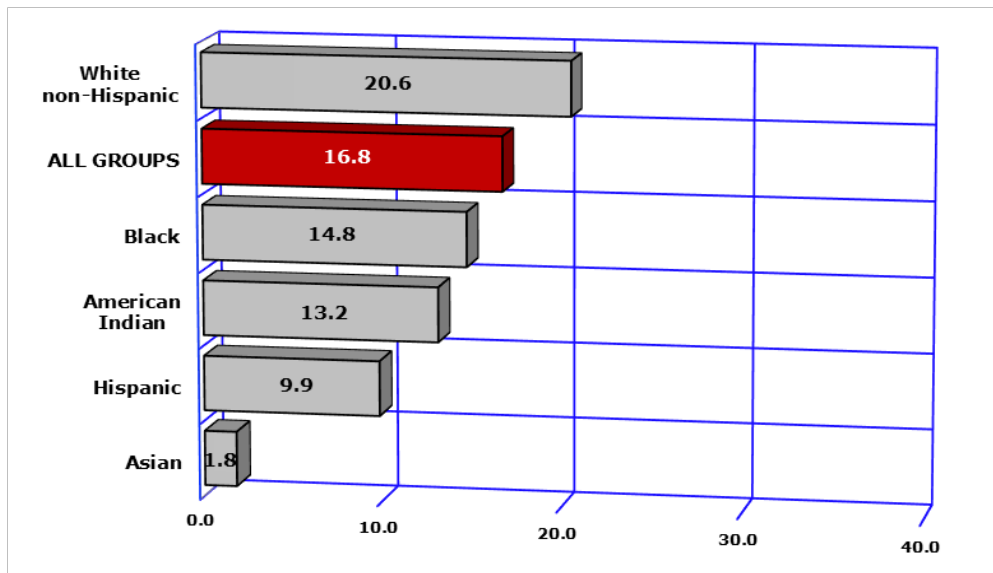
6-6 DRUG-INDUCED

2019



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

2009

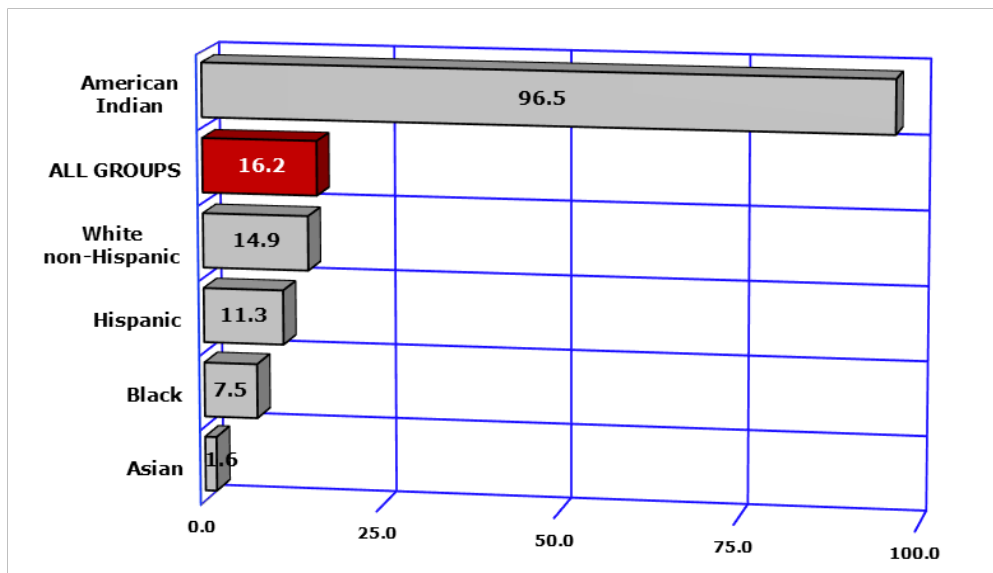


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	16.8	20.6	9.9	14.8	13.2	1.8
2019	28.4	32.0	21.4	38.6	34.3	6.1
% change from 2009	69.0	55.3	116.2	160.8	159.8	238.9

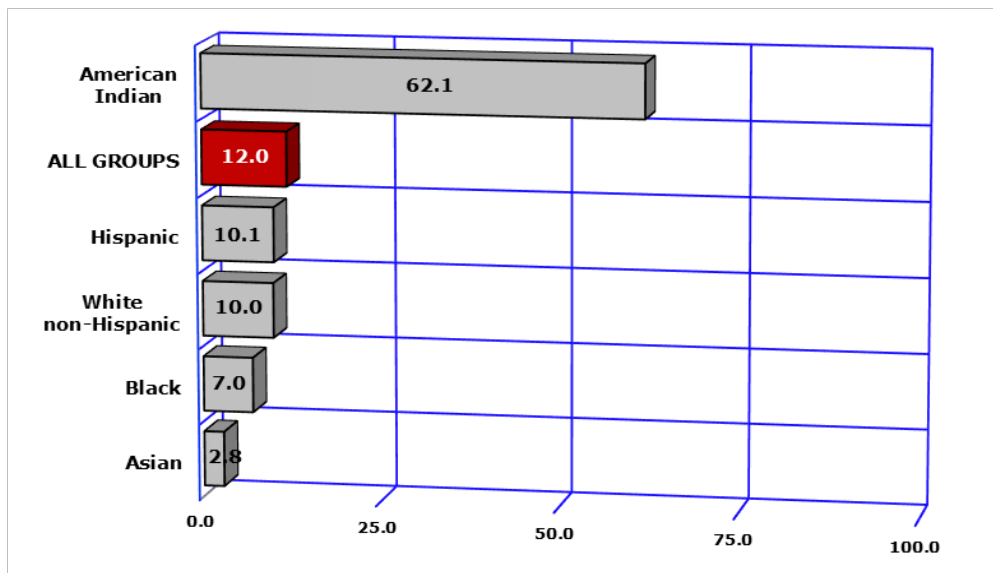
6-7 ALCOHOL-INDUCED

2019



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

2009

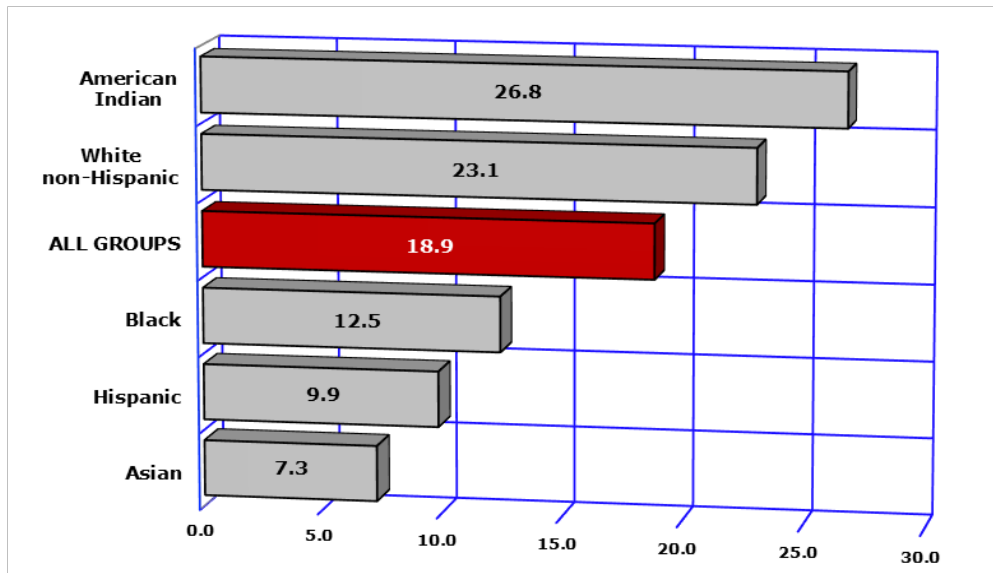


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	12.0	10.0	10.1	7.0	62.1	2.8
2019	16.2	14.9	11.3	7.5	96.5	1.6
% change from 2009	35.0	49.0	11.9	7.1	55.4	-42.9

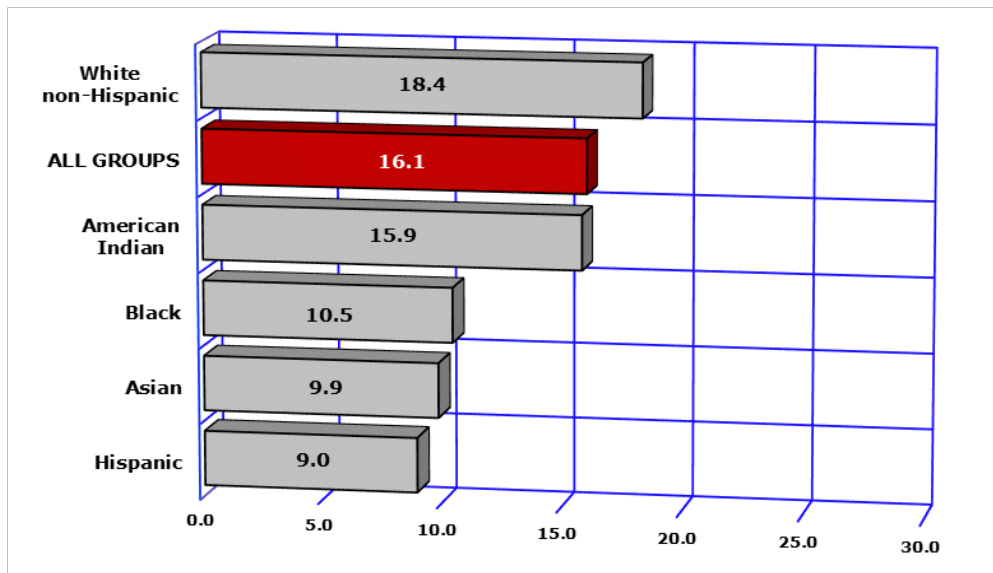
6-8 INTENTIONAL SELF-HARM (SUICIDE)

2019



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

2009

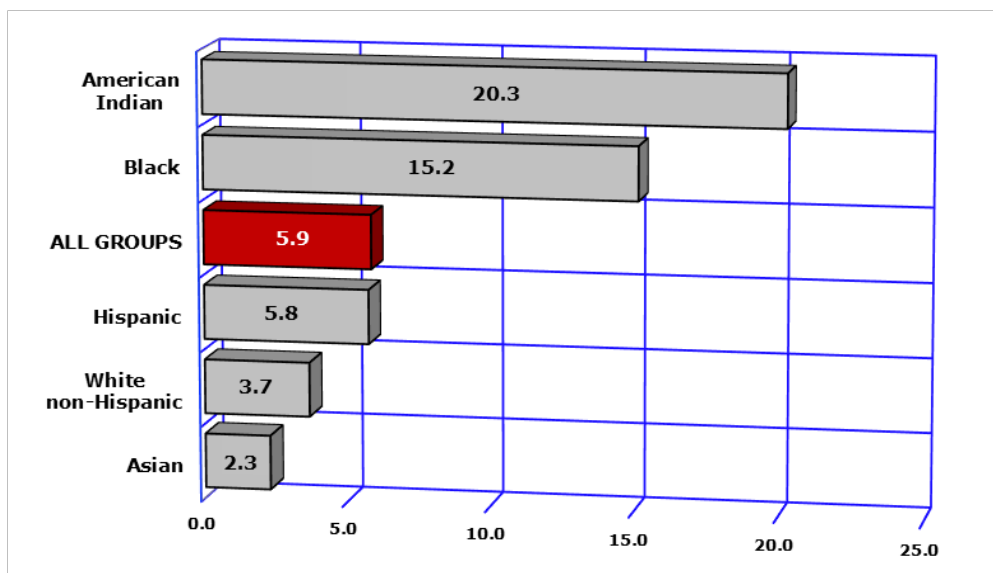


Note: Number of deaths per 100,000 population (age-adjusted to the 2000 standard).

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	16.1	18.4	9.0	10.5	15.9	9.9
2019	18.9	23.1	9.9	12.5	26.8	7.3
% change from 2009	17.4	25.5	10.0	19.0	68.6	-26.3

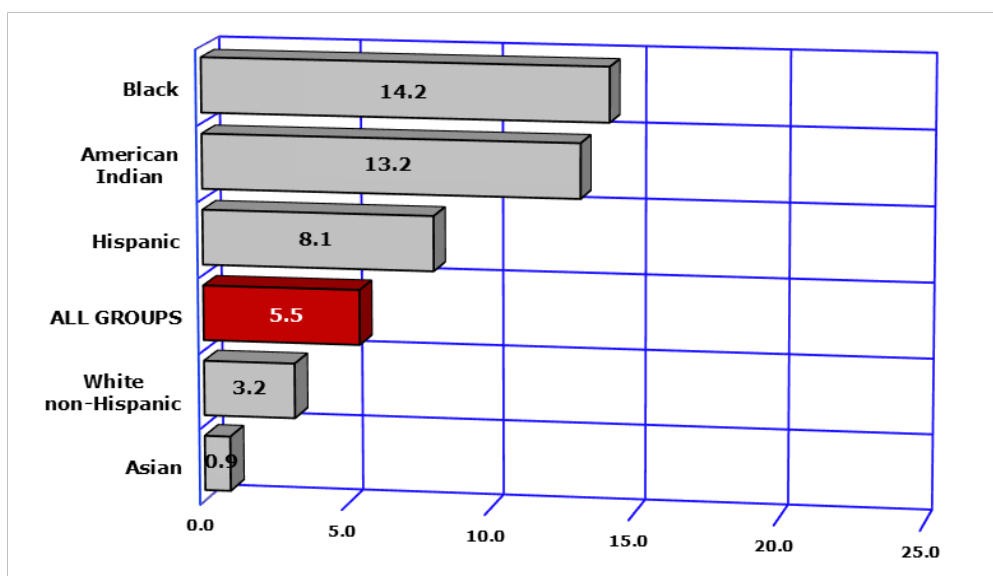
6-9 ASSAULT (HOMICIDE)

2019



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

2009



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

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	5.5	3.2	8.1	14.2	13.2	0.9
2019	5.9	3.7	5.8	15.2	20.3	2.3
% change from 2009	7.3	15.6	-28.4	7.0	53.8	155.6

7 **Age-Specific Mortality**

7-1 Children 1-14 Years Old

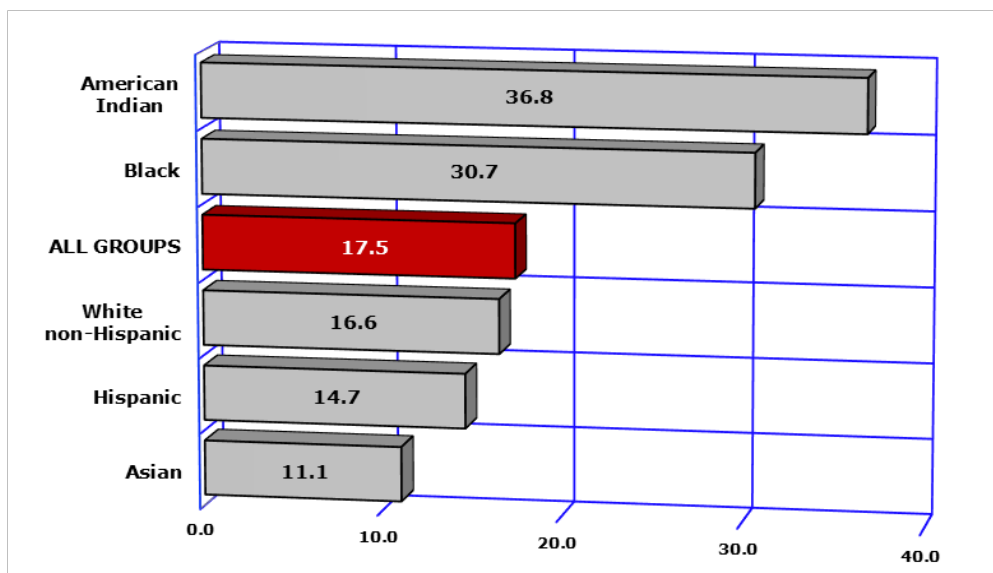
7-2 Adolescents 15-19 Years Old

7-3 Young Adults 20-44 Years Old

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

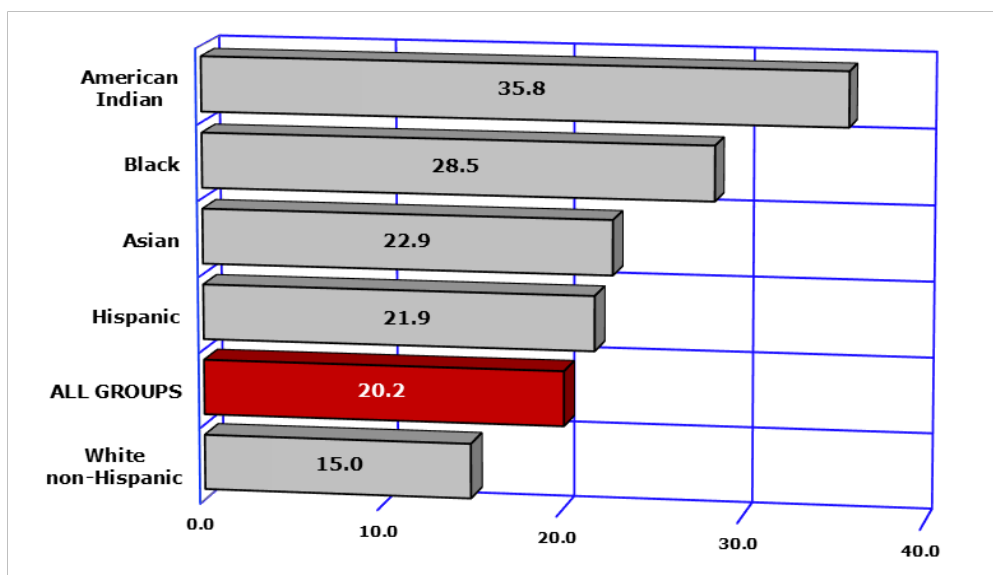
7-1 MORTALITY AMONG CHILDREN 1-14 YEARS OLD

2019



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

2009



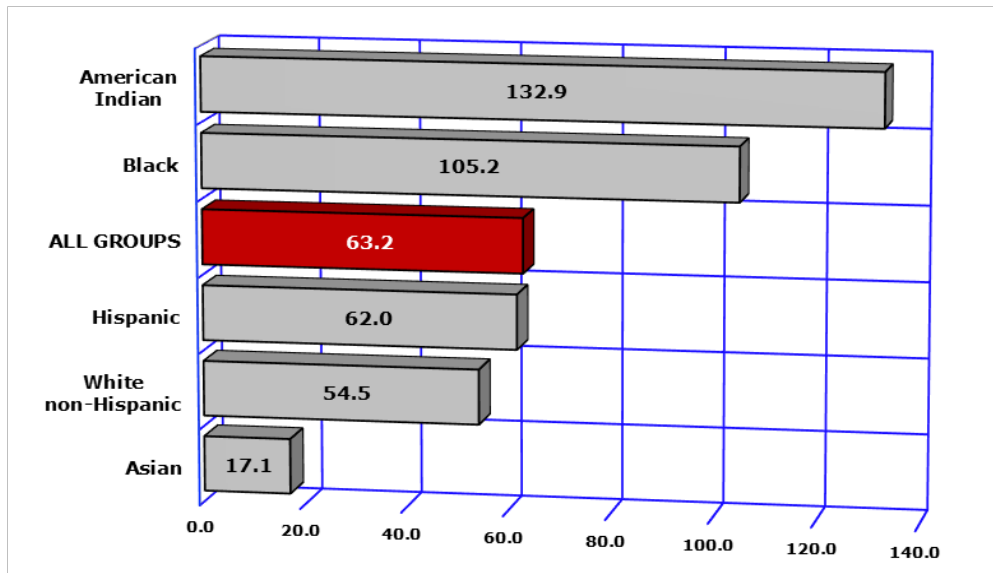
Note: Number of deaths per 100,000 children 1-14 years.

COMPARATIVE RATES FOR 2009 AND 2019

Number of deaths per 100,000 children 1-14 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
2009	20.2	15.0	21.9	28.5	35.8	22.9
2019	17.5	16.6	14.7	30.7	36.8	11.1
% change from 2009	-13.4	10.7	-32.9	7.7	2.8	-51.5

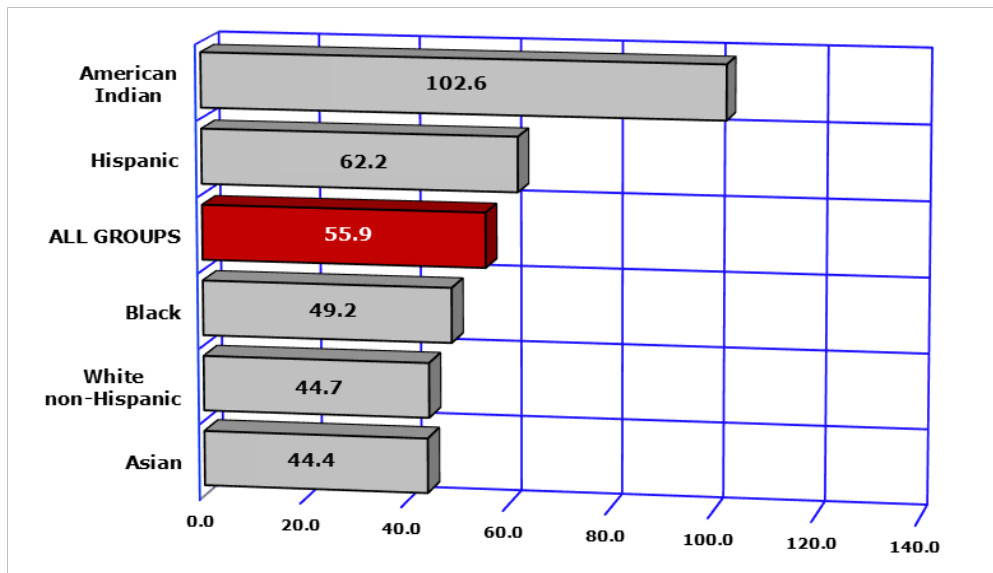
7-2 MORTALITY AMONG ADOLESCENTS 15-19 YEARS OLD

2019



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

2009

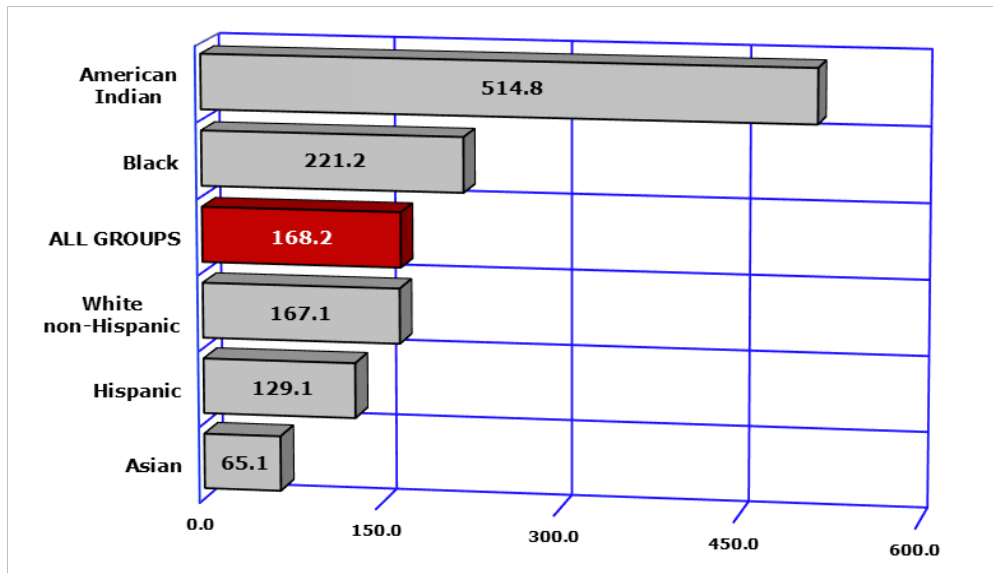


Note: Number of deaths per 100,000 adolescents 15-19 years.

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	55.9	44.7	62.2	49.2	102.6	44.4
2019	63.2	54.5	62.0	105.2	132.9	17.1
% change from 2009	13.1	21.9	-0.3	113.8	29.5	-61.5

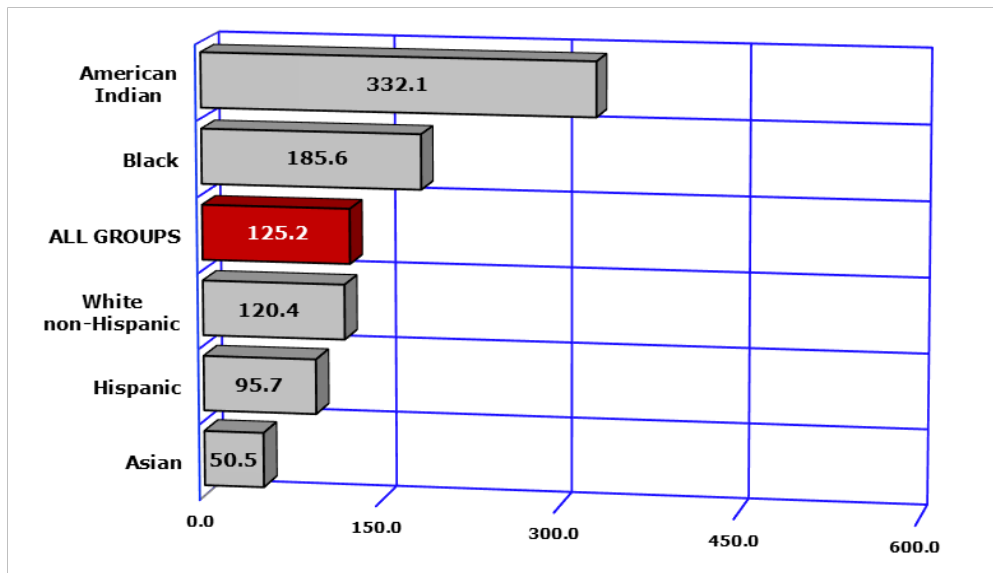
7-3 MORTALITY AMONG YOUNG ADULTS 20-44 YEARS OLD

2019



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

2009

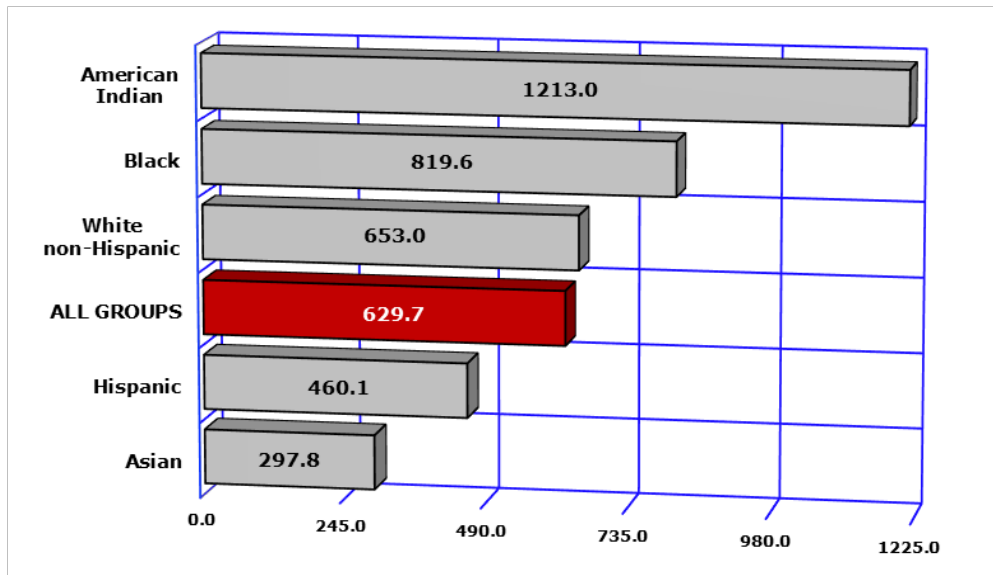


Note: Number of deaths per 100,000 young adults 20-44 years.

COMPARATIVE RATES FOR 2009 AND 2019						
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
2009	125.2	120.4	95.7	185.6	332.1	50.5
2019	168.2	167.1	129.1	221.2	514.8	65.1
% change from 2009	34.3	38.8	34.9	19.2	55.0	28.9

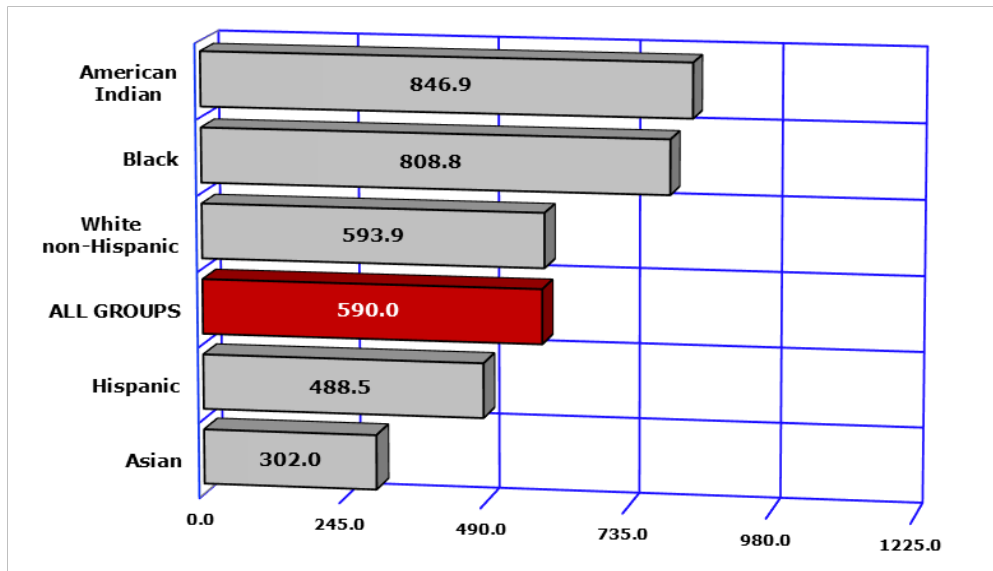
7-4 MORTALITY AMONG MIDDLE-AGE ADULTS 45-64 YEARS OLD

2019



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

2009



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

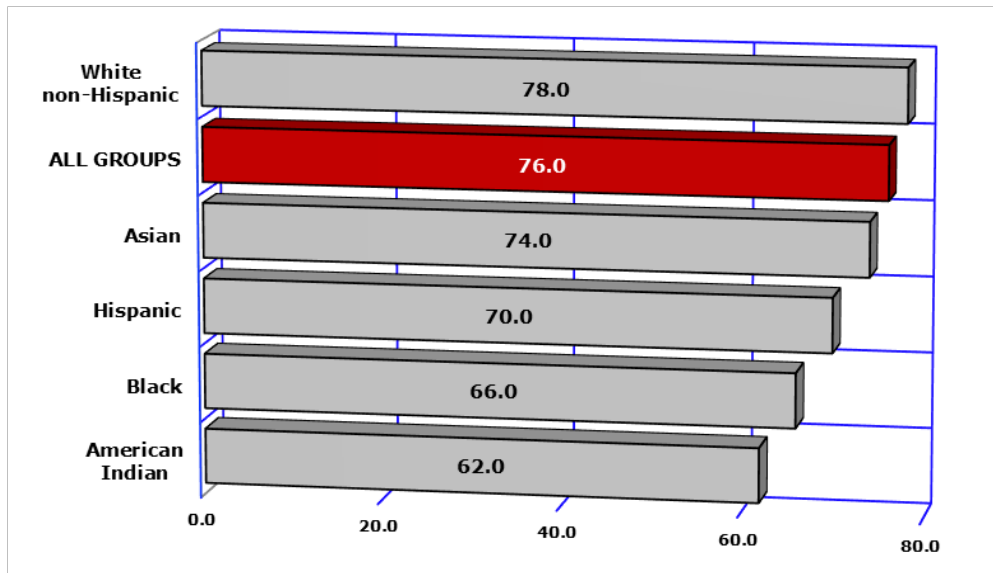
COMPARATIVE RATES FOR 2009 AND 2019						
Number of deaths per 100,000 middle-age adults 45-64 years old by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2009	590.0	593.9	488.5	808.8	846.9	302.0
2019	629.7	653.0	460.1	819.6	1213.0	297.8
% change from 2009	6.7	10.0	-5.8	1.3	43.2	-1.4

8 Patterns of Premature Mortality

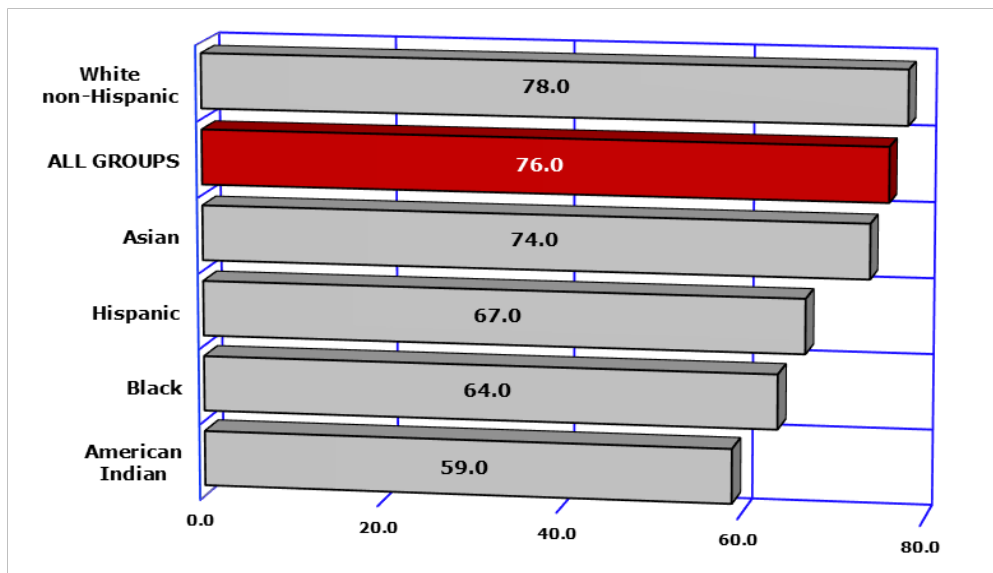
- 8-1 Median Age at Death from All Causes among Arizona Residents**
- 8-2 Median Age at Death from All Causes among Arizona Males**
- 8-3 Median Age at Death from All Causes among Arizona Females**
- 8-4 Percent of Total Deaths before Expected Years of Life Reached**

8-1 MEDIAN AGE AT DEATH FROM ALL CAUSES

2019



2009

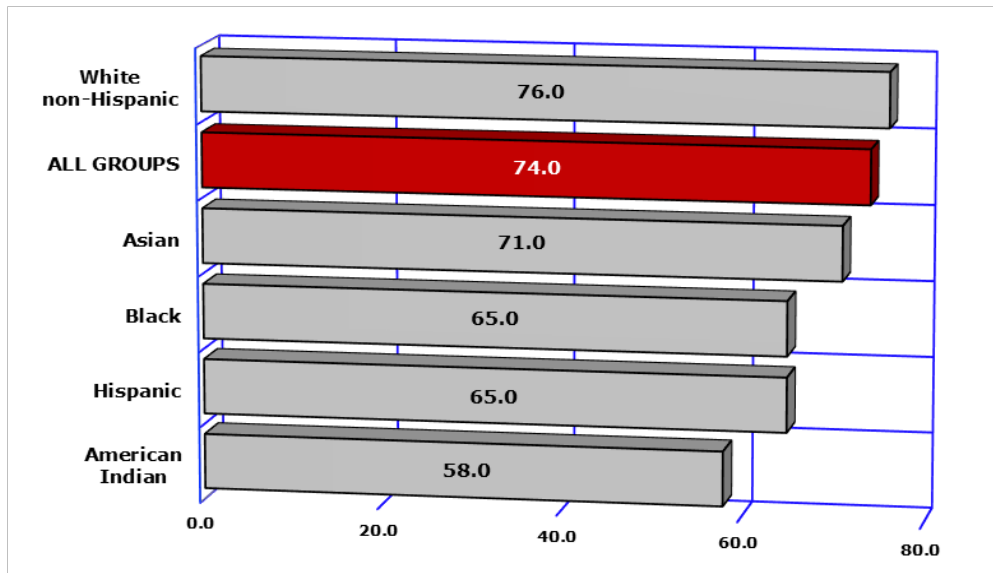


MEDIAN AGE AT DEATH IN 2009 AND 2019

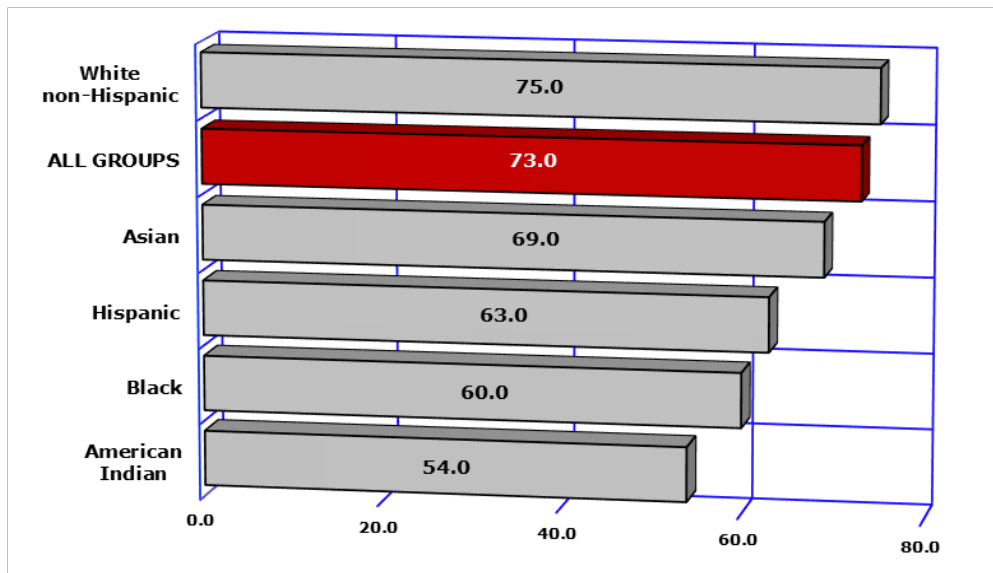
By race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2009	76.0	78.0	67.0	64.0	59.0	74.0
2019	76.0	78.0	70.0	66.0	62.0	74.0
% change from 2009	0.0	0.0	4.5	3.1	5.1	0.0

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

2019



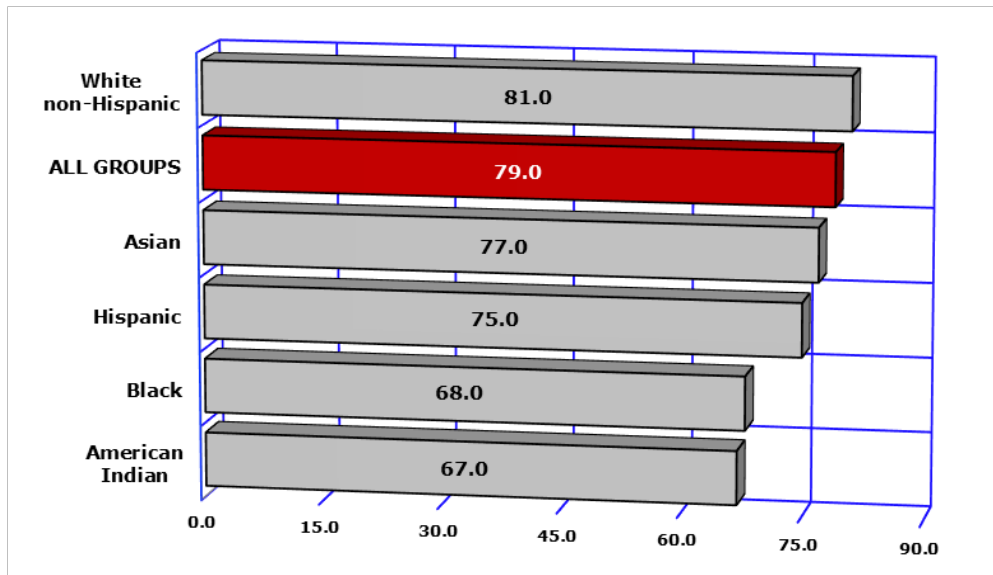
2009



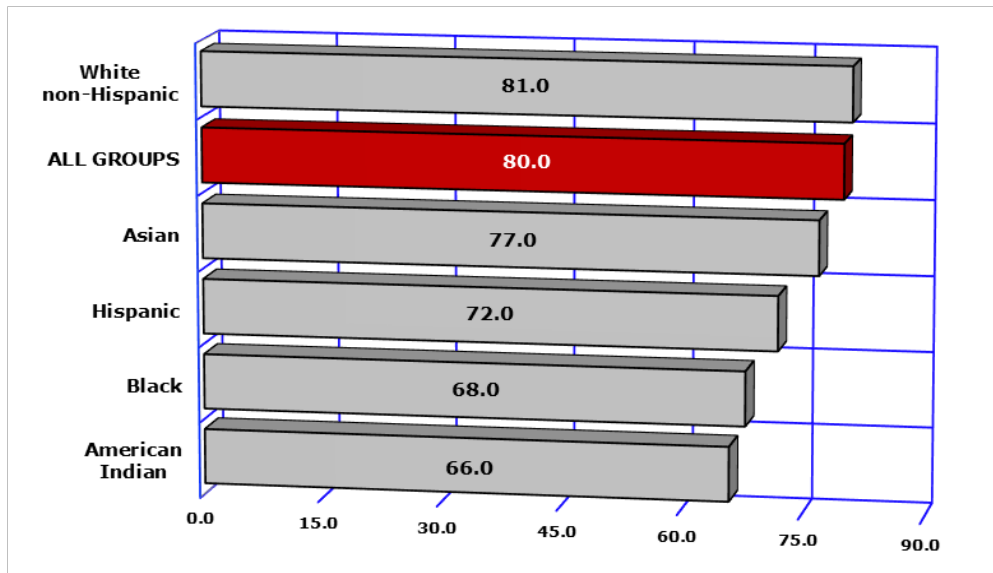
MEDIAN AGE AT DEATH AMONG MALES IN 2009 AND 2019						
By race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2009	73.0	75.0	63.0	60.0	54.0	69.0
2019	74.0	76.0	65.0	65.0	58.0	71.0
% change from 2009	1.4	1.3	3.2	8.3	7.4	2.9

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

2019



2009

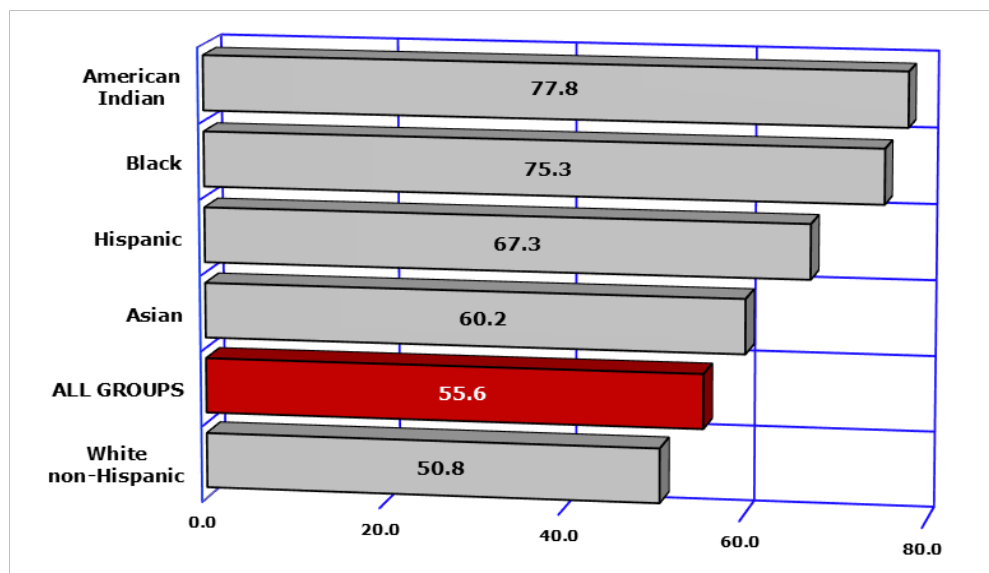


MEDIAN AGE AT DEATH AMONG FEMALES IN 2009 AND 2019

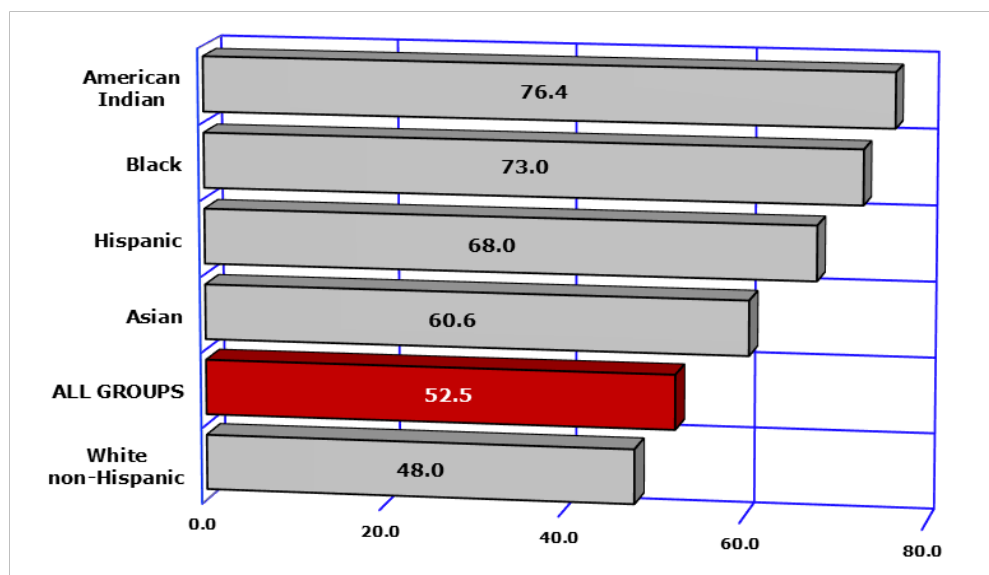
By race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2009	80.0	81.0	72.0	68.0	66.0	77.0
2019	79.0	81.0	75.0	68.0	67.0	77.0
% change from 2009	-1.3	0.0	4.2	0.0	1.5	0.0

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

2019



2009



DEATHS BEFORE EXPECTED YEARS OF LIFE REACHED IN 2009 AND 2019

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
2009	52.5	48.0	68.0	73.0	76.4	60.6
2019	55.6	50.8	67.3	75.3	77.8	60.2
% change from 2009	5.9	5.8	-1.0	3.2	1.8	-0.7

9

The Incidence of Reportable Diseases

9-1 Rates of Early Syphilis

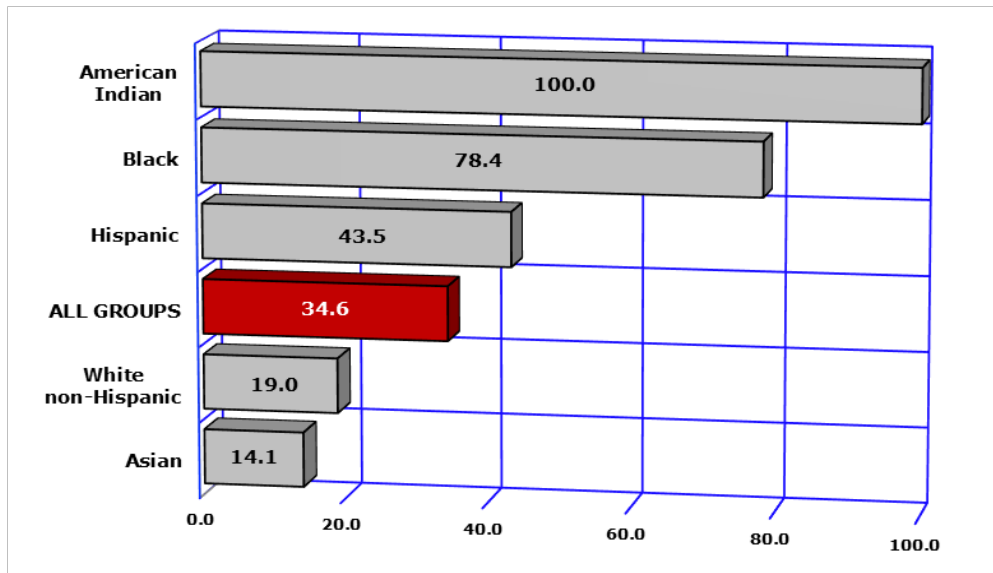
9-2 Rates of Gonorrhea

9-3 Rates of Chlamydia

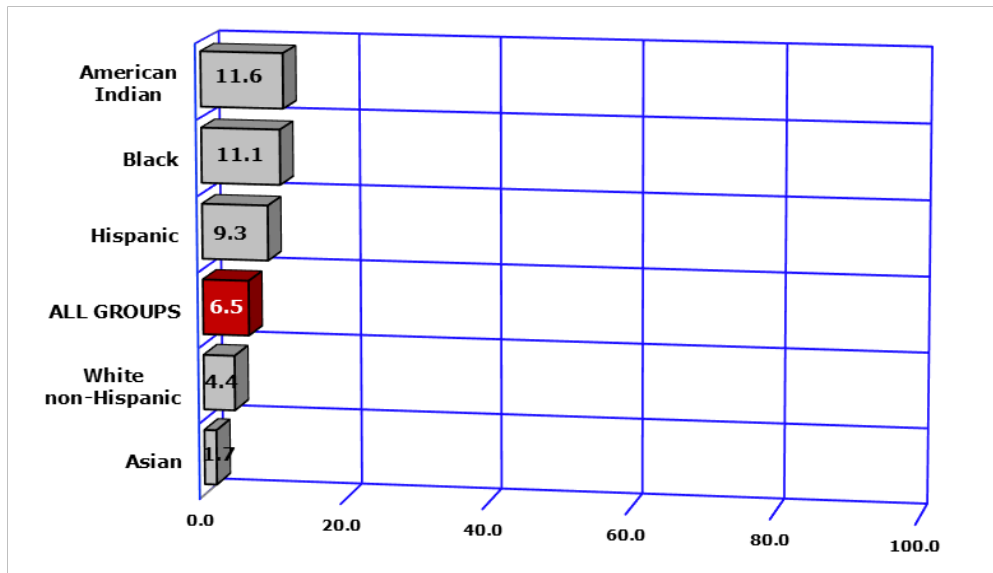
9-4 Rates of HIV/AIDS

9-1 INCIDENCE (RATES) OF EARLY SYPHILIS

2019



2009

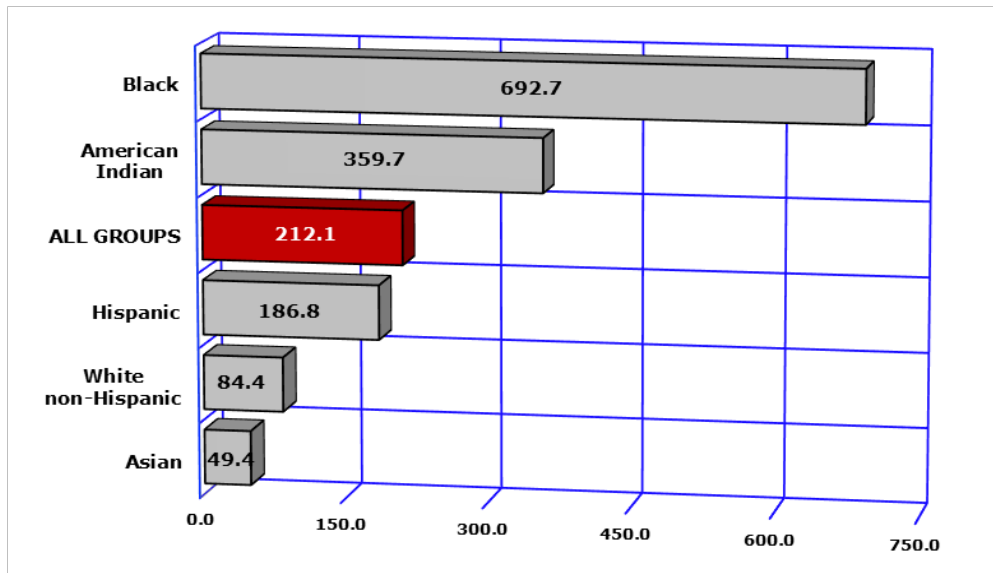


COMPARATIVE RATES FOR 2009 AND 2019

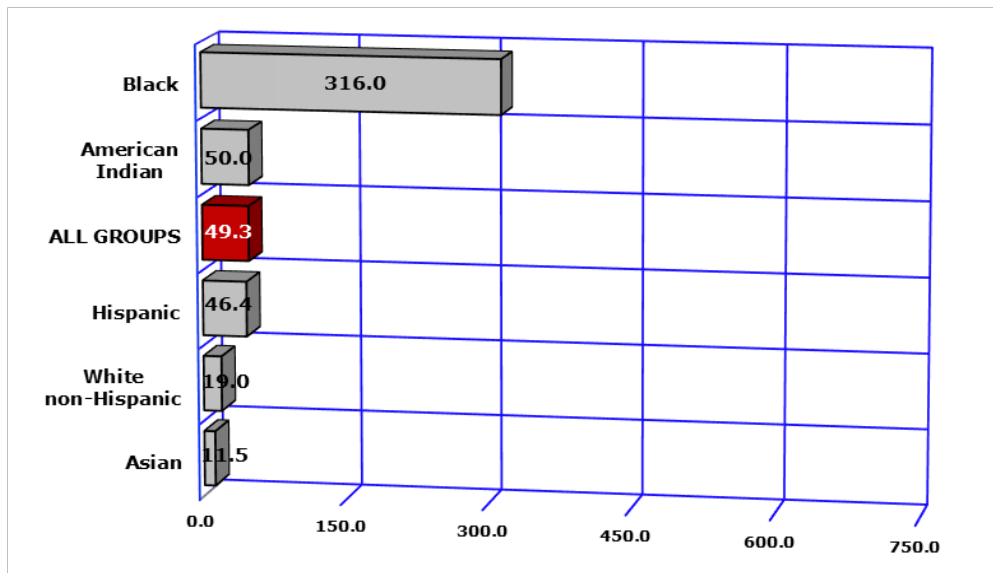
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2009	6.5	4.4	9.3	11.1	11.6	1.7
2019	34.6	19.0	43.5	78.4	100.0	14.1
% change from 2009	432.3	331.8	367.7	606.3	762.1	729.4

9-2 INCIDENCE (RATES) OF GONORRHEA

2019



2009

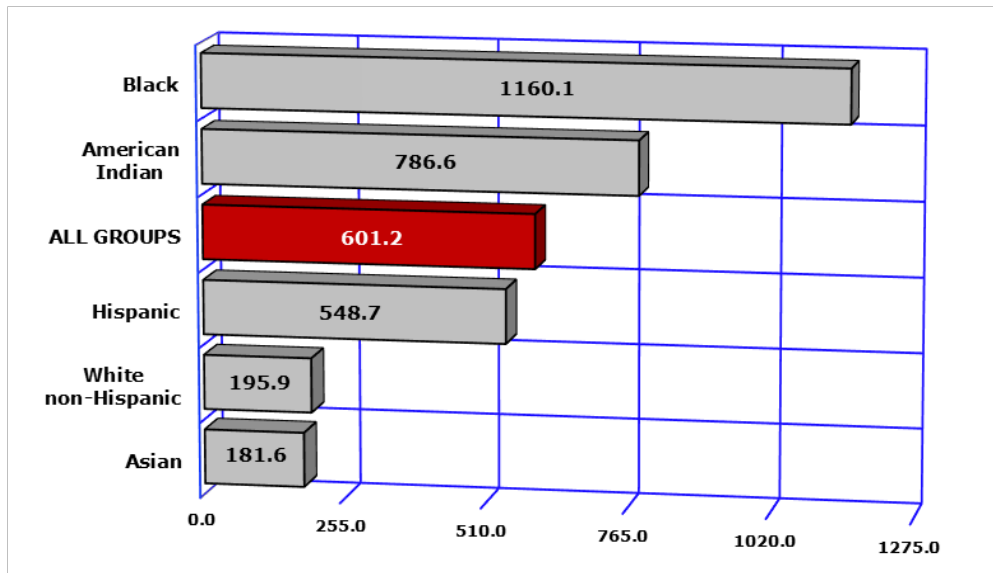


COMPARATIVE RATES FOR 2009 AND 2019

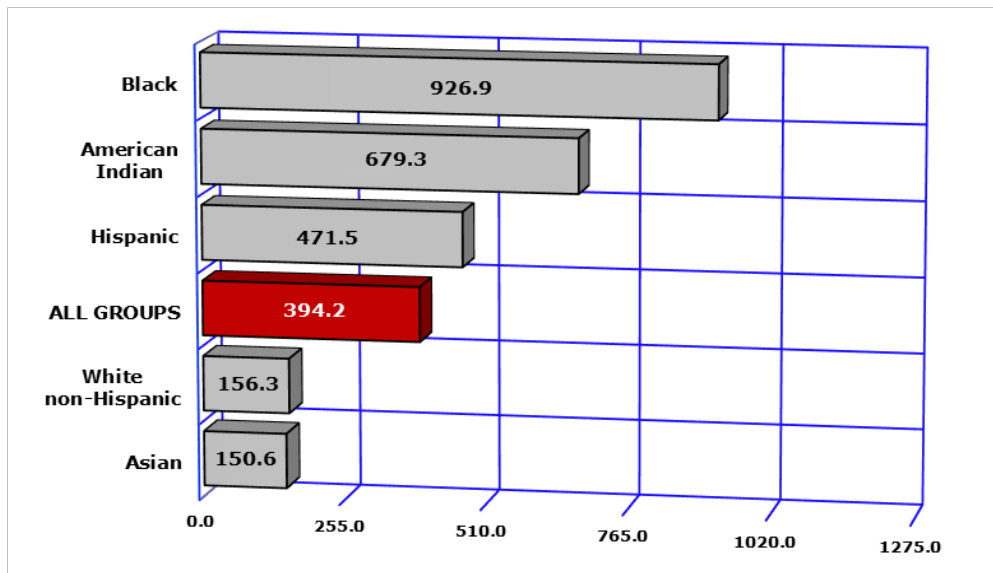
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2009	49.3	19.0	46.4	316.0	50.0	11.5
2019	212.1	84.4	186.8	692.7	359.7	49.4
% change from 2009	330.2	344.2	302.6	119.2	619.4	329.6

9-3 INCIDENCE (RATES) OF CHLAMYDIA

2019



2009

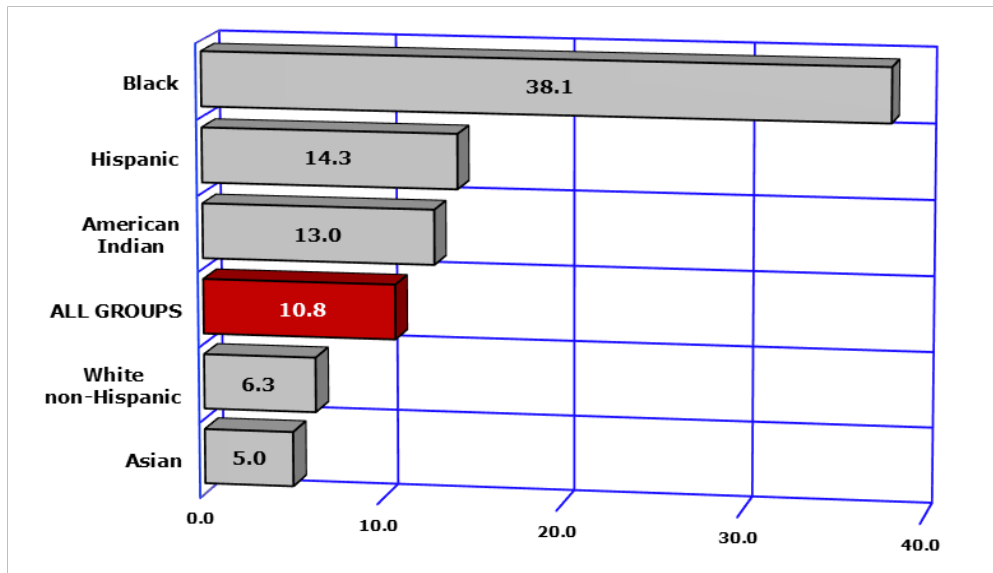


COMPARATIVE RATES FOR 2009 AND 2019

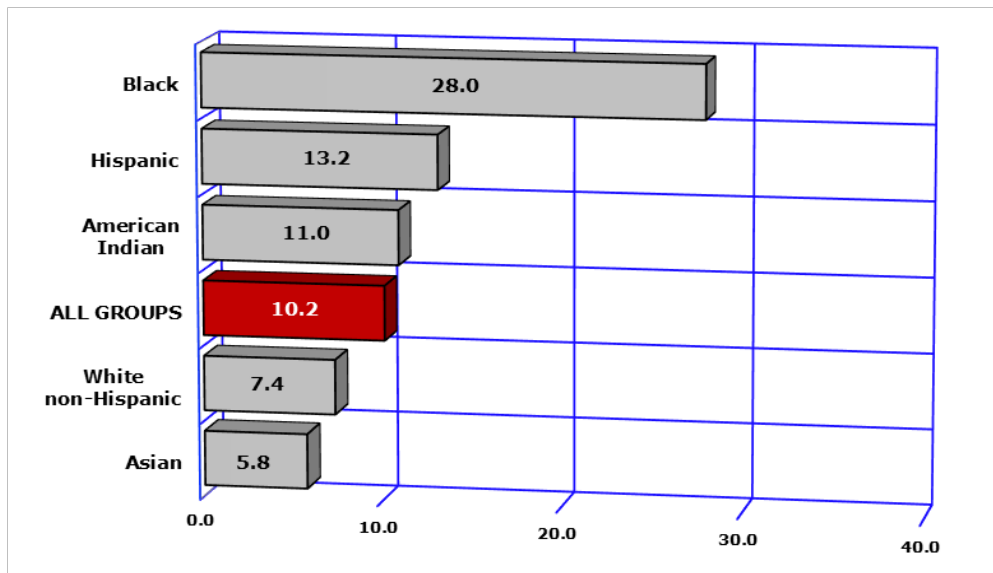
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2009	394.2	156.3	471.5	926.9	679.3	150.6
2019	601.2	195.9	548.7	1160.1	786.6	181.6
% change from 2009	52.5	25.3	16.4	25.2	15.8	20.6

9-4 INCIDENCE (RATES) OF HIV/AIDS

2019



2009



COMPARATIVE RATES FOR 2009 AND 2019

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
2009	10.2	7.4	13.2	28.0	11.0	5.8
2019	10.8	6.3	14.3	38.1	13.0	5.0
% change from 2009	8.0	-11.3	7.5	43.8	15.0	-33.3

COMPARATIVE RATES AND RATIOS FOR 2009-2019

COMPARATIVE RATES AND RATIOS FOR 2009 – 2019

1. TEEN PREGNANCIES

(Number of pregnancies per 1,000 females in specified age 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 1-1. - Pregnancies among females 19 and younger						
2019	11.9	6.9	15.6	15.1	18.8	4.3
2018	12.6	7.7	16.5	14.3	20.6	4.6
2017	13.7	8.2	17.8	17.8	22.8	5.8
2016	14.9	9.5	19.3	17.3	24.7	5.0
2015	15.9	10.5	20.4	16.6	26.8	6.3
2014	17.8	11.6	25.4	16.9	19.2	5.5
2013	19.2	9.8	25.0	25.1	29.7	6.8
2012	21.6	10.7	28.0	26.2	33.6	7.5
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
Figure 1-2. - Pregnancies among females 14 and younger						
2019	0.2	0.1	0.3	0.3	0.6	0.0
2018	0.2	0.2	0.3	0.3	0.6	0.1
2017	0.3	0.1	0.4	0.5	0.7	0.1
2016	0.4	0.2	0.4	0.6	1.1	0.1
2015	0.3	0.1	0.4	0.3	0.9	0.0
2014	0.3	0.2	0.3	0.5	0.7	0.2
2013	0.4	0.1	0.6	0.7	0.6	0.3
2012	0.5	0.1	0.6	0.8	0.5	0.2
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
Figure 1-3. - Pregnancies among females 15-17 years old						
2019	10.2	5.0	14.2	12.3	20.0	2.2
2018	10.8	5.3	15.4	11.6	19.8	2.3
2017	11.3	5.4	15.8	14.0	23.3	2.0
2016	12.6	6.5	17.6	14.0	24.8	3.4
2015	14.1	7.7	19.5	14.2	27.3	4.8
2014	16.1	8.2	25.2	15.9	21.0	4.6
2013	18.0	7.1	25.9	20.9	31.5	3.7
2012	21.8	9.0	31.6	26.2	32.2	5.6
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
Figure 1-4. - Pregnancies among females 18-19 years old						
2019	42.8	25.7	56.7	55.8	64.9	16.8
2018	46.6	29.7	60.8	52.9	74.1	17.8
2017	50.9	31.5	66.5	64.9	78.9	24.2
2016	55.0	36.4	71.5	63.5	83.9	19.0
2015	58.4	40.2	74.7	59.8	90.8	23.8
2014	65.2	45.5	91.7	59.4	62.7	20.3
2013	64.8	34.0	87.4	82.9	98.0	25.5
2012	70.2	35.6	93.8	81.2	110.7	26.6
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

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						
2019	45.0	31.3	55.0	62.7	78.4	14.8
2018	44.6	31.1	54.7	60.6	78.9	14.8
2017	44.4	30.7	55.1	60.6	77.9	14.6
2016	44.8	31.3	55.8	61.3	78.1	15.4
2015	45.3	31.5	56.2	63.2	79.6	14.3
2014	44.7	31.1	56.1	62.5	78.9	15.2
2013	45.1	30.3	57.1	63.7	79.2	16.0
2012	45.2	30.4	57.2	64.8	78.5	17.3
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
Figure 2-2. - Tobacco use during pregnancy						
2019	4.3	6.9	2.0	5.0	3.1	0.9
2018	4.5	7.1	2.1	5.2	3.4	1.2
2017	4.7	7.5	2.1	5.5	3.4	0.9
2016	4.8	7.5	2.2	5.5	3.6	1.3
2015	5.2	8.1	2.3	7.3	3.4	1.1
2014	5.3	8.3	2.2	6.8	3.4	1.3
2013	4.4	7.0	1.8	6.5	2.9	1.1
2012	4.2	6.7	1.6	6.4	2.3	1.0
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
Figure 2-3. - Pre-existing hypertension						
2019	1.5	1.3	1.5	3.2	2.3	0.8
2018	1.4	1.4	1.3	2.2	2.0	1.1
2017	1.3	1.2	1.3	2.1	1.7	1.1
2016	1.2	1.0	1.2	2.1	1.3	0.7
2015	1.1	1.0	1.1	2.3	1.4	0.8
2014	1.2	1.1	1.1	2.1	1.9	0.9
2013	1.1	1.1	1.1	1.8	1.4	0.8
2012	0.9	0.9	0.8	1.4	1.4	1.0
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
Figure 2-4. - Gestational diabetes						
2019	8.7	6.8	9.2	6.6	17.4	14.5
2018	8.5	6.6	8.7	7.0	17.3	15.8
2017	7.7	6.1	8.0	5.7	14.8	13.5
2016	7.6	6.3	7.7	5.9	14.7	13.6
2015	7.5	6.0	7.9	6.1	14.5	13.6
2014	6.1	4.9	6.4	4.6	12.1	11.4
2013	5.7	4.4	6.1	5.0	11.1	9.7
2012	5.1	3.7	5.8	4.3	9.9	7.9
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
Figure 2-5. - Gestational hypertension						
2019	8.0	7.6	7.7	10.3	13.2	4.9
2018	7.7	7.1	7.6	10.1	12.8	4.7
2017	6.7	6.4	6.4	8.3	11.2	4.2
2016	6.2	5.8	5.9	8.5	10.5	4.3
2015	6.0	5.7	5.7	7.7	10.3	3.3
2014	5.2	5.2	4.7	6.9	8.6	3.1
2013	5.6	5.9	4.9	6.4	7.4	4.9
2012	4.5	4.7	4.0	4.9	6.5	3.8
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

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
Figure 2-6 - Gestational weight gain - Inadequate						
2019	21.5	18.4	23.6	23.6	22.3	28.3
2018	22.5	19.2	24.7	25.0	23.4	29.2
2017	22.5	19.1	24.9	25.9	23.5	28.1
2016	22.8	19.7	25.5	25.5	21.9	29.6
2015	22.2	18.7	25.2	24.7	23.3	27.5
2014	21.8	18.0	25.3	23.7	23.0	28.2
2013	27.6	20.7	33.9	31.7	36.3	23.9
2012	26.4	19.7	32.4	30.5	35.9	23.6
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	26.8	19.6	33.1	31.0	34.6	21.8
Figure 2-7 - Gestational weight gain - Excessive						
2019	47.0	50.3	44.5	47.3	48.8	35.0
2018	46.4	49.4	44.4	46.4	47.4	34.5
2017	46.2	49.6	43.8	45.5	46.5	34.5
2016	45.6	48.2	43.2	46.0	49.1	34.6
2015	46.1	49.4	43.1	47.9	46.7	35.6
2014	46.5	50.2	43.1	48.1	46.3	33.9
2013	27.6	20.7	33.9	31.7	36.3	23.9
2012	26.4	19.7	32.4	30.5	35.9	23.6
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	26.8	19.6	33.1	31.0	34.6	21.8

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 st trimester						
2019	31.1	24.2	35.8	40.2	42.6	26.8
2018	31.2	24.3	36.2	37.6	43.5	27.5
2017	31.7	25.4	36.6	38.6	40.6	27.8
2016	31.1	25.3	36.1	37.2	39.3	26.8
2015	32.1	26.8	36.4	37.8	41.5	28.2
2014	34.0	28.3	39.5	38.6	41.6	29.5
2013	18.7	12.6	23.8	21.8	31.3	13.6
2012	17.4	11.6	21.8	20.1	31.8	12.9
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	19.6	12.0	25.7	19.5	33.8	11.8
Figure 3-2. - Fewer than five prenatal visits						
2019	8.2	5.2	10.0	10.2	17.4	5.2
2018	7.8	4.8	9.8	9.4	16.2	5.2
2017	7.5	4.7	9.5	8.9	15.6	4.7
2016	7.0	4.3	9.0	8.5	15.0	4.4
2015	6.6	3.9	8.3	8.9	14.6	4.8
2014	6.5	3.7	8.6	9.0	13.3	4.0
2013	5.1	2.8	6.8	6.0	11.9	3.3
2012	4.8	2.6	6.4	5.6	11.1	3.1
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

3. UTILIZATION OF PRENATAL CARE SERVICES (continued)

(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 3-3. - No prenatal care						
2019	2.6	1.5	3.4	3.0	5.3	1.3
2018	2.8	1.6	3.7	3.0	5.1	1.9
2017	2.9	1.6	4.1	3.3	4.1	1.9
2016	2.4	1.4	3.4	2.2	4.0	1.3
2015	2.2	1.3	3.0	2.5	4.3	1.2
2014	2.1	1.1	3.2	2.8	2.9	1.4
2013	1.4	0.7	2.1	1.3	2.4	0.7
2012	1.2	0.6	1.9	1.1	2.0	0.7
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

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. - Newborn intensive care						
2019	7.7	7.4	7.4	10.8	8.6	6.8
2018	7.6	7.3	7.4	10.0	7.8	8.3
2017	7.1	6.8	7.1	9.3	6.5	6.9
2016	6.9	6.7	6.7	9.7	6.4	7.2
2015	6.9	6.6	6.7	10.9	6.0	7.8
2014	6.7	6.6	6.7	9.8	4.7	7.2
2013	5.3	5.3	5.2	7.2	4.1	5.5
2012	4.9	4.7	4.9	6.9	4.2	4.1
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
Figure 4-2. - Born too early (preterm or <37 weeks)						
2019	9.3	8.7	9.2	13.2	10.6	9.5
2018	9.5	8.9	9.5	12.4	10.4	10.0
2017	9.3	8.6	9.3	12.4	10.9	9.6
2016	9.0	8.5	9.2	12.4	9.9	8.7
2015	9.0	8.6	9.0	12.2	9.6	9.4
2014	9.0	8.6	9.2	12.1	8.2	8.0
2013	9.0	8.4	9.3	11.8	9.7	8.9
2012	9.2	8.7	9.4	11.9	9.7	8.4
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
Figure 4-3. - Born too small: low-birthweight (<2,500 grams)						
2019	7.4	6.8	7.0	12.3	7.9	8.6
2018	7.6	7.1	7.2	12.3	7.9	9.8
2017	7.5	7.0	7.0	12.4	7.7	9.5
2016	7.3	6.8	7.1	12.0	7.2	9.3
2015	7.2	6.6	6.9	12.3	7.3	9.0
2014	7.0	6.8	6.7	11.9	6.1	8.1
2013	6.9	6.4	6.6	11.1	7.2	7.9
2012	6.9	6.5	6.8	11.7	6.7	7.2
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

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).

Figure 4-4. - Born too small: very low-birthweight (<1,500 grams)						
2019	1.1	1.0	1.1	2.4	1.3	1.0
2018	1.2	1.1	1.3	2.1	1.4	1.2
2017	1.2	1.0	1.3	2.3	1.3	1.1
2016	1.2	1.1	1.2	2.4	1.3	1.4
2015	1.1	1.0	1.1	2.3	1.3	1.2
2014	1.2	1.1	1.1	2.5	0.9	1.2
2013	1.1	1.0	1.1	2.0	1.0	1.1
2012	1.2	1.0	1.1	2.3	1.1	0.8
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
Figure 4-5. - Incidence of congenital anomalies (birth defects)						
2019	0.4	0.5	0.4	0.3	0.7	0.4
2018	0.5	0.5	0.5	0.4	0.9	0.4
2017	0.5	0.6	0.5	0.4	0.8	0.2
2016	0.5	0.4	0.5	0.2	1.2	0.2
2015	0.5	0.5	0.4	0.4	1.0	0.2
2014	0.5	0.5	0.5	0.3	0.8	0.2
2013	0.7	0.7	0.8	0.9	0.8	0.5
2012	0.8	0.8	0.8	0.7	0.9	0.8
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
Figure 4-6. - Infant mortality						
2019	5.4	4.4	5.2	11.9	6.9	5.1
2018	5.6	4.6	5.7	9.2	9.3	2.8
2017	5.6	4.7	5.2	10.7	9.5	4.8
2016	5.4	3.9	6.0	11.4	8.3	3.9
2015	5.6	4.7	5.5	11.0	7.8	4.0
2014	6.2	5.3	6.4	11.7	8.7	2.5
2013	5.3	4.2	5.6	12.5	6.6	1.7
2012	5.8	4.0	7.1	11.0	7.4	3.3
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
Figure 4-7. - Sudden Infant Death Syndrome (SIDS)						
2019	0.2	0.3	0.1	0.0	0.7	0.3
2018	0.2	0.1	0.1	0.6	0.4	0.3
2017	0.2	0.1	0.1	0.7	0.4	0.6
2016	0.1	0.1	0.0	0.2	0.2	0.0
2015	0.2	0.2	0.1	0.2	0.4	0.0
2014	0.2	0.1	0.1	0.2	0.4	0.0
2013	0.2	0.2	0.1	0.6	0.2	0.0
2012	0.2	0.1	0.1	0.4	0.2	0.3
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
Figure 4-8. - Mortality of infants from low birthweight/short gestation						
2019	0.7	0.4	0.8	0.0	0.2	1.3
2018	0.9	0.7	0.9	1.3	0.8	0.9
2017	0.8	0.6	0.8	1.7	0.6	0.9
2016	0.7	0.3	0.9	1.6	1.2	0.6
2015	0.6	0.5	0.7	1.4	0.6	0.3
2014	0.7	0.5	0.8	1.3	0.8	0.9
2013	0.7	0.4	0.9	1.7	0.5	0.3
2012	0.7	0.5	1.1	1.5	0.2	0.0
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

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 4-9. - Neonatal mortality						
2019	3.4	2.7	3.3	7.6	3.1	3.5
2018	3.9	3.3	4.1	5.4	5.3	1.5
2017	3.5	3.0	3.5	6.5	4.1	2.1
2016	3.6	2.4	4.2	7.5	4.2	3.9
2015	3.5	2.8	3.8	5.7	3.2	3.7
2014	4.1	3.4	4.4	7.5	5.1	2.2
2013	3.4	2.5	4.0	8.0	3.7	0.9
2012	3.9	2.6	5.1	7.2	3.8	1.9
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
Figure 4-10. - Postneonatal mortality						
2019	2.1	1.7	1.9	4.3	3.8	1.6
2018	1.7	1.3	1.5	3.9	4.0	1.2
2017	2.1	1.7	1.7	4.1	5.3	2.7
2016	1.8	1.4	1.8	3.9	4.2	0.0
2015	2.1	1.9	1.7	5.3	4.6	0.3
2014	2.1	1.9	2.0	4.2	3.7	0.3
2013	1.9	1.7	1.6	4.4	2.9	0.9
2012	1.9	1.4	2.0	3.8	3.6	1.4
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

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
Figure 5-1. - Cardiovascular diseases						
2019	184.9	185.9	160.4	254.7	192.7	128.0
2018	188.4	189.8	167.5	241.1	186.0	128.2
2017	189.9	191.4	166.2	258.3	204.2	125.2
2016	190.8	194.4	168.3	275.8	189.6	120.9
2015	189.0	192.4	165.1	266.8	167.0	119.1
2014	171.6	174.9	156.2	212.3	147.7	100.8
2013	187.7	190.9	161.9	280.2	164.2	133.6
2012	193.3	195.1	176.2	284.0	168.3	134.7
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
Figure 5-2. - Diseases of the heart						
2019	137.3	140.4	107.9	188.3	132.8	86.7
2018	140.5	144.3	116.0	166.4	129.9	86.0
2017	141.9	146.1	112.5	169.6	150.9	87.2
2016	142.5	147.7	116.3	188.3	139.9	76.6
2015	141.3	146.0	117.6	184.4	119.9	75.0
2014	129.9	134.4	114.0	140.9	107.5	60.3
2013	143.0	147.6	116.1	200.5	122.9	82.5
2012	145.8	150.0	123.4	190.5	122.7	87.9
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

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
Figure 5-3. - Coronary heart disease						
2019	98.2	101.0	75.6	128.5	87.8	62.2
2018	100.8	102.9	86.2	117.5	92.8	67.1
2017	102.8	105.4	85.1	122.8	109.5	70.6
2016	106.2	110.5	86.4	141.6	99.9	56.1
2015	104.6	108.0	90.2	132.5	83.3	54.9
2014	99.3	102.7	88.1	109.9	79.6	50.4
2013	110.0	113.3	91.6	164.0	92.7	63.4
2012	112.7	115.9	95.5	156.1	88.9	80.5
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
Figure 5-4. - Cerebrovascular disease						
2019	31.0	30.0	33.9	35.7	35.7	23.1
2018	32.1	30.6	34.6	44.1	39.2	27.9
2017	30.7	29.2	34.5	49.2	31.7	23.6
2016	30.7	30.0	31.5	48.1	30.1	31.1
2015	31.1	30.1	32.4	51.8	31.6	30.4
2014	26.2	25.3	27.4	40.8	24.5	28.7
2013	28.2	27.1	29.7	54.4	23.4	30.7
2012	29.9	28.1	35.5	56.0	27.1	30.9
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
Figure 5-5. - Chronic lower respiratory diseases						
2019	39.2	43.7	20.1	34.2	18.1	11.6
2018	42.6	48.0	18.3	38.2	20.8	17.2
2017	43.0	48.0	19.9	28.8	22.9	20.1
2016	45.0	50.9	20.0	43.8	19.5	11.3
2015	45.1	50.8	21.5	34.0	14.8	18.1
2014	41.1	45.9	21.1	34.0	12.4	17.3
2013	44.5	49.3	20.9	46.7	15.5	19.4
2012	44.2	49.4	20.3	35.0	18.0	14.7
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
Figure 5-6. - Malignant neoplasms (cancer)						
2019	134.7	136.9	118.3	173.5	132.3	98.4
2018	135.9	140.2	118.7	156.7	115.3	102.7
2017	136.6	141.4	110.9	158.5	117.1	99.4
2016	140.7	146.7	115.9	171.6	101.2	102.6
2015	144.0	149.8	120.4	154.7	124.4	104.8
2014	136.3	141.8	124.9	145.0	97.1	83.2
2013	149.6	154.3	129.8	190.4	118.2	100.1
2012	149.8	155.6	127.2	180.1	100.8	100.5
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

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
Figure 5-7. - Lung cancer						
2019	26.2	28.6	16.3	33.1	8.1	20.9
2018	28.9	31.5	17.6	35.6	9.0	22.8
2017	30.8	34.3	15.2	27.9	8.5	29.2
2016	31.4	34.8	17.8	37.8	7.4	19.5
2015	35.1	39.1	18.8	38.4	8.1	30.6
2014	32.2	35.3	21.6	29.5	10.2	26.7
2013	36.4	40.2	22.1	40.5	10.0	22.9
2012	37.7	41.5	22.0	43.0	9.3	20.9
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
Figure 5-8. - Breast cancer (female)						
2019	18.8	19.1	15.1	39.3	17.6	13.8
2018	17.6	18.7	13.8	24.9	9.1	17.6
2017	18.2	18.7	13.3	36.7	13.0	14.5
2016	19.4	20.8	13.9	23.0	11.8	13.4
2015	19.2	20.7	12.9	23.1	12.8	13.3
2014	17.9	18.5	16.5	29.4	9.2	6.3
2013	20.7	21.3	19.7	23.3	13.1	11.4
2012	19.2	20.0	14.8	30.3	8.6	15.3
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
Figure 5-9. - Cervical cancer						
2019	2.0	2.2	2.3	0.6	1.5	1.6
2018	2.0	1.7	2.2	2.1	2.2	1.7
2017	2.1	1.8	2.8	2.2	1.8	1.5
2016	2.1	1.8	3.1	3.6	1.9	0.0
2015	2.3	1.9	3.6	2.2	1.9	2.1
2014	2.0	2.0	2.2	4.5	0.0	1.9
2013	2.4	2.1	4.4	1.5	2.0	0.8
2012	2.0	1.8	1.8	4.4	2.8	2.5
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
Figure 5-10. - Colorectal cancer						
2019	12.3	12.4	11.2	14.2	12.9	11.0
2018	12.9	12.7	13.8	17.2	10.8	12.5
2017	13.0	13.2	12.7	15.1	11.1	6.0
2016	12.9	13.2	11.1	17.4	8.0	13.1
2015	12.9	12.9	11.8	19.5	13.3	9.4
2014	12.4	13.2	10.8	15.8	7.0	7.2
2013	13.6	13.7	12.5	21.7	11.3	12.1
2012	13.1	13.4	12.2	20.5	7.1	9.8
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

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
Figure 5-11. - Prostate cancer						
2019	17.4	17.0	16.9	41.9	19.0	9.9
2018	17.4	17.1	15.8	30.5	23.7	12.1
2017	16.8	16.5	16.3	26.3	19.9	9.7
2016	18.8	18.6	19.4	39.5	15.9	6.4
2015	17.6	17.3	17.6	29.6	26.0	10.7
2014	17.0	17.0	15.5	24.0	23.0	7.4
2013	18.2	18.0	17.0	26.7	19.9	18.5
2012	18.9	18.8	22.0	26.7	12.4	9.8
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
Figure 5-12. - Influenza and pneumonia						
2019	10.4	9.7	9.9	12.6	27.6	9.9
2018	12.7	12.3	12.7	11.7	30.1	8.2
2017	9.9	9.3	11.2	9.3	25.0	5.1
2016	10.4	9.6	11.5	10.3	29.6	9.9
2015	9.4	8.6	11.2	16.4	23.8	6.7
2014	8.9	8.8	9.4	4.2	22.9	6.7
2013	10.0	9.6	10.9	11.9	24.7	8.0
2012	9.1	8.7	9.0	8.7	30.0	4.5
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
Figure 5-13. - Diabetes						
2019	23.9	18.9	34.6	43.6	91.4	19.5
2018	23.0	18.0	35.0	48.9	73.6	17.0
2017	23.8	18.1	39.4	45.9	81.6	21.3
2016	24.5	19.3	40.5	50.1	79.9	20.8
2015	25.7	20.1	45.3	53.0	73.9	22.7
2014	23.0	18.8	39.1	39.7	63.2	18.3
2013	23.6	18.6	40.7	60.2	65.7	17.9
2012	23.5	18.3	40.8	49.4	80.2	27.6
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
Figure 5-14. - Chronic liver disease and cirrhosis						
2019	14.7	12.4	14.5	7.8	82.7	3.9
2018	14.2	11.3	15.1	6.8	88.8	3.4
2017	14.2	11.9	15.8	4.6	74.0	4.8
2016	15.1	12.5	16.8	7.7	85.9	2.0
2015	14.9	13.1	14.0	8.4	77.6	4.0
2014	13.2	10.9	18.0	8.3	52.7	3.8
2013	14.5	12.6	16.7	6.8	62.0	3.9
2012	13.6	11.4	16.9	10.9	59.2	2.6
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

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
Figure 5-15. - HIV disease						
2019	0.9	0.8	0.8	3.3	1.9	0.0
2018	1.1	0.9	1.0	1.9	2.1	1.1
2017	1.2	1.0	1.3	3.6	1.1	0.4
2016	1.4	1.3	1.0	7.2	1.3	0.8
2015	1.6	1.3	1.4	5.3	2.1	0.8
2014	1.6	1.5	1.6	4.5	1.8	0.7
2013	1.4	1.2	1.2	5.9	1.9	0.0
2012	1.5	1.3	1.4	4.5	2.0	1.4
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
Figure 5-16. - Septicemia						
2019	3.8	3.1	4.4	3.8	14.0	2.4
2018	4.4	3.9	5.7	5.6	13.4	1.3
2017	5.5	4.9	7.1	8.0	14.5	4.0
2016	6.2	5.2	7.3	11.7	17.6	4.7
2015	5.4	5.0	5.9	9.7	14.0	4.7
2014	4.4	4.0	5.6	4.0	8.5	3.1
2013	4.8	4.5	6.1	7.4	11.4	3.8
2012	4.5	4.2	3.8	6.3	15.8	4.4
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
Figure 5-17. - Alzheimer's disease						
2019	33.2	33.6	33.0	44.8	20.4	18.8
2018	34.3	35.1	30.5	45.1	21.0	19.8
2017	35.2	36.1	33.6	39.5	12.7	16.9
2016	37.3	37.9	34.6	48.6	24.5	26.2
2015	37.3	37.8	36.5	46.1	21.3	20.4
2014	30.9	31.1	34.1	35.8	21.4	11.0
2013	33.2	33.4	35.6	41.3	16.0	18.2
2012	31.1	31.6	29.5	38.5	12.0	31.3
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
Figure 5-18. - Nephritis, nephrotic syndrome and nephrosis (kidney disease)						
2019	8.3	7.0	12.2	10.7	23.3	7.5
2018	7.7	6.3	10.5	21.5	23.0	6.5
2017	6.2	5.4	7.1	9.4	18.7	6.4
2016	5.8	4.9	8.4	8.4	24.7	1.5
2015	6.3	5.6	8.3	10.7	18.3	5.7
2014	4.6	4.2	6.8	5.3	8.3	3.8
2013	5.3	4.9	4.5	12.2	15.8	6.2
2012	6.2	5.3	8.7	17.0	15.5	3.2
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

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
Figure 5-19. - Essential (primary) hypertension						
2019	11.0	9.8	13.3	23.7	21.4	13.1
2018	10.5	9.3	12.9	23.6	13.4	11.6
2017	11.8	10.6	14.1	29.6	14.9	10.6
2016	12.2	11.2	14.6	28.5	16.1	11.1
2015	11.1	10.7	11.7	21.6	13.0	8.7
2014	9.9	9.2	10.2	23.1	13.3	9.2
2013	9.7	8.9	11.4	21.3	12.7	17.0
2012	10.4	9.7	10.8	28.3	14.6	11.3
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
Figure 5-20. - Total mortality from all causes						
2019	676.6	674.5	602.8	841.5	1051.0	421.6
2018	688.6	690.2	607.1	843.2	1036.1	429.7
2017	679.3	681.4	592.0	800.0	1001.9	419.1
2016	696.6	704.8	607.5	874.2	1023.9	433.5
2015	691.3	704.1	601.5	832.8	965.3	413.8
2014	676.0	685.7	636.9	739.9	818.5	371.8
2013	687.8	693.7	615.6	918.5	887.0	413.4
2012	687.2	693.1	616.2	886.5	843.8	440.1
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	472.8

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
Figure 6-1. - Unintentional injuries						
2019	59.2	60.5	48.3	60.4	129.4	22.9
2018	55.9	56.3	44.5	57.6	144.5	24.9
2017	55.3	54.5	45.9	60.3	142.0	24.3
2016	53.7	55.2	41.6	52.2	139.1	25.9
2015	48.1	49.3	36.7	50.5	139.0	21.7
2014	43.3	43.7	35.9	37.6	85.4	18.3
2013	46.3	47.9	38.5	43.3	104.5	13.4
2012	42.4	43.3	33.9	38.2	94.8	21.0
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
Figure 6-2. - Motor vehicle-related injuries						
2019	13.1	12.4	12.5	12.0	36.7	6.1
2018	14.1	12.3	12.1	13.9	60.7	6.2
2017	13.8	12.0	12.7	17.1	54.0	7.5
2016	13.9	11.5	13.3	19.1	52.2	7.2
2015	12.6	10.7	9.9	14.1	54.3	8.2
2014	10.3	8.3	10.3	7.9	35.6	2.5
2013	11.4	10.2	11.4	12.0	31.7	5.8
2012	11.4	10.0	10.6	10.1	37.8	4.9
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

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
Figure 6-3. - Fall-related injuries						
2019	12.2	12.8	9.3	7.1	15.8	6.2
2018	12.4	12.6	10.3	7.9	17.2	10.6
2017	12.4	12.9	10.1	6.4	17.1	7.8
2016	13.4	14.0	11.0	6.0	17.5	7.5
2015	12.8	13.0	12.1	12.5	15.6	9.5
2014	11.7	11.9	10.2	8.4	7.7	12.0
2013	12.1	12.4	12.0	8.8	10.3	5.7
2012	11.2	11.5	9.1	6.6	13.2	5.2
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
Figure 6-4. - Drowning mortality						
2019	1.3	1.2	0.9	0.8	3.7	0.7
2018	1.3	1.5	0.7	2.5	2.7	1.6
2017	1.5	1.2	1.2	3.2	3.4	2.4
2016	1.5	1.7	0.9	2.6	2.5	2.3
2015	1.2	1.3	0.8	1.2	1.4	0.8
2014	1.2	1.2	0.8	1.7	2.5	0.5
2013	1.1	1.1	1.0	0.7	1.3	1.5
2012	1.3	1.3	0.8	2.4	2.9	2.8
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
Figure 6-5. - Injury by firearms						
2019	15.3	17.2	10.2	18.7	14.9	4.0
2018	15.5	16.6	9.9	24.8	18.2	3.7
2017	15.8	17.0	9.9	22.8	17.1	4.4
2016	15.3	16.9	10.2	22.8	12.0	5.6
2015	13.7	16.5	7.2	15.7	11.4	3.0
2014	12.6	14.6	8.3	13.9	6.7	2.2
2013	14.1	15.8	8.6	17.0	13.0	5.1
2012	13.8	15.7	8.2	15.5	12.6	5.3
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
Figure 6-6. - Drug-induced deaths						
2019	28.4	32.0	21.4	38.6	34.3	6.1
2018	25.4	29.3	18.4	30.9	31.2	4.6
2017	23.3	26.4	16.5	27.5	25.2	4.7
2016	21.5	27.9	12.2	21.7	17.8	4.6
2015	19.8	25.4	11.7	20.0	15.8	1.6
2014	18.4	23.3	10.8	16.2	13.4	3.3
2013	16.9	21.2	9.9	13.5	18.7	0.4
2012	16.3	20.6	9.0	17.6	13.4	2.8
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

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
Figure 6-7. - Alcohol-induced deaths						
2019	16.2	14.9	11.3	7.5	96.5	1.6
2018	15.2	12.9	10.7	8.1	105.5	3.0
2017	16.1	13.7	12.3	6.6	104.1	4.0
2016	17.6	14.7	13.8	9.7	123.0	2.5
2015	17.5	15.5	13.3	8.1	111.5	1.1
2014	14.8	12.7	13.8	9.2	68.0	1.6
2013	15.7	13.7	12.5	7.1	84.7	2.0
2012	14.2	12.0	12.8	9.6	78.6	2.5
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
Figure 6-8. - Intentional self-harm (suicide)						
2019	18.9	23.1	9.9	12.5	26.8	7.3
2018	19.5	23.7	8.7	16.0	36.5	7.3
2017	18.0	22.1	8.5	10.5	26.2	9.3
2016	17.7	21.7	8.8	9.0	24.2	9.3
2015	17.8	23.6	6.7	6.6	19.0	7.0
2014	16.5	21.0	8.3	9.0	13.9	7.0
2013	17.0	20.8	8.4	6.7	21.9	7.0
2012	16.2	20.2	6.8	10.0	17.9	5.7
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
Figure 6-9. - Assault (homicide)						
2019	5.9	3.7	5.8	15.2	20.3	2.3
2018	6.1	3.6	6.6	19.3	17.9	2.6
2017	6.4	4.1	6.8	17.9	17.9	0.7
2016	6.3	3.7	6.8	20.4	17.6	4.0
2015	5.6	4.0	5.3	15.5	15.7	2.4
2014	4.6	3.0	6.0	11.1	7.3	0.4
2013	5.9	4.0	5.8	15.4	17.7	1.9
2012	5.9	4.3	6.1	14.5	17.3	2.0
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

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 among children 1-14 years old						
2019	17.5	16.6	14.7	30.7	36.8	11.1
2018	19.1	20.5	14.7	25.0	40.7	13.8
2017	18.2	18.5	14.6	24.2	39.2	9.4
2016	18.3	14.6	16.3	28.6	49.0	23.7
2015	15.4	13.9	11.9	25.2	50.3	9.6
2014	17.9	16.2	17.2	21.7	28.8	10.1
2013	19.8	17.1	17.7	30.9	49.2	11.5
2012	19.4	14.9	16.5	37.7	57.4	23.8
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	35.8	22.9
Figure 7-2. - Mortality among adolescents 15-19 years old						
2019	63.2	54.5	62.0	105.2	132.9	17.1
2018	62.6	61.9	55.0	77.1	138.9	24.0
2017	53.7	48.1	45.9	70.7	174.4	12.6
2016	53.5	47.5	45.4	103.1	117.6	52.1
2015	47.5	48.1	40.8	58.9	97.1	27.1
2014	46.5	48.7	43.6	39.7	72.2	11.9
2013	45.5	42.5	39.1	64.1	103.1	32.4
2012	47.1	46.1	37.7	55.8	107.9	50.0
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
Figure 7-3. - Mortality among young adults 20-44 years old						
2019	168.2	167.1	129.1	221.2	514.8	65.1
2018	160.9	162.3	116.9	210.0	523.8	49.2
2017	155.9	156.8	118.1	187.5	463.9	50.6
2016	153.3	157.8	111.0	186.2	474.5	61.7
2015	146.6	154.7	102.8	191.7	423.9	52.3
2014	138.6	146.2	107.2	138.3	300.1	49.1
2013	143.5	143.2	112.6	174.2	390.8	51.3
2012	135.0	140.6	98.3	171.0	351.4	43.7
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	125.2	120.4	95.7	185.6	332.1	50.5
Figure 7-4. - Mortality among middle-age adults 45-64 years old						
2019	629.7	653.0	460.1	819.6	1213.0	297.8
2018	639.4	662.0	471.7	816.1	1221.0	301.7
2017	626.8	648.2	456.9	860.6	1076.6	284.6
2016	657.8	701.8	464.4	854.1	1189.8	306.0
2015	641.0	684.0	468.5	794.1	1108.3	236.4
2014	617.7	656.4	479.5	721.1	860.3	208.9
2013	620.7	661.0	461.2	788.7	943.5	199.0
2012	607.6	637.5	466.9	786.8	880.3	295.4
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

8. PREMATURE MORTALITY

Indicator	ALL ARIZONA RESIDENTS	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Figure 8-1. - Median age at death from all causes						
2019	76.0	78.0	70.0	66.0	62.0	74.0
2018	76.0	78.0	70.0	67.0	60.0	75.0
2017	76.0	78.0	69.0	65.0	61.0	75.0
2016	76.0	78.0	69.0	66.0	60.0	74.0
2015	76.0	78.0	69.0	66.0	60.0	75.0
2014	76.0	78.0	69.0	65.0	61.0	74.0
2013	77.0	79.0	69.0	66.0	60.0	76.0
2012	77.0	79.0	69.0	66.0	60.0	73.0
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
Figure 8-2. - Median age at death from all causes among males						
2019	74.0	76.0	65.0	65.0	58.0	71.0
2018	73.0	76.0	65.0	63.0	56.0	72.0
2017	73.0	76.0	65.0	62.0	57.0	72.0
2016	73.0	75.0	65.0	63.0	56.0	69.5
2015	73.0	75.0	66.0	64.0	56.0	71.0
2014	73.0	75.0	65.0	63.0	57.0	71.0
2013	74.0	76.0	64.0	63.0	55.0	73.0
2012	74.0	76.0	64.0	63.0	56.0	69.0
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
Figure 8-3. - Median age at death from all causes among females						
2019	79.0	81.0	75.0	68.0	67.0	77.0
2018	80.0	81.0	76.0	70.0	66.0	78.0
2017	79.0	81.0	75.0	69.0	67.0	77.0
2016	79.0	81.0	75.0	71.0	66.0	78.0
2015	79.0	81.0	74.0	69.0	66.0	77.0
2014	80.0	81.0	74.0	67.0	66.0	79.0
2013	81.0	82.0	75.0	73.0	67.0	78.0
2012	81.0	82.0	75.0	70.0	65.0	79.0
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
Figure 8-4. - Percent of total deaths before expected years of life reached						
2019	55.6	50.8	67.3	75.3	77.8	60.2
2018	55.1	50.8	65.6	73.3	78.8	57.7
2017	55.1	50.6	67.0	75.1	77.9	58.7
2016	55.3	51.4	66.7	73.5	77.1	58.5
2015	54.9	50.9	67.4	74.1	77.4	59.9
2014	54.8	50.9	66.7	75.2	77.8	58.9
2013	54.6	50.1	67.1	72.8	76.7	58.9
2012	55.0	50.9	68.4	74.4	78.7	62.3
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

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
Figure 9-1. - Incidence of early syphilis						
2019	34.6	19.0	43.5	78.4	100.0	14.1
2018	27.6	17.4	32.7	58.5	78.3	12.6
2017	22.6	12.7	27.2	43.8	48.0	7.2
2016	17.7	11.7	22.3	43.5	40.1	5.9
2015	13.9	10.0	16.7	36.6	14.6	6.5
2014	13.1	9.1	16.1	29.3	16.9	5.6
2013	7.5	5.3	9.3	19.9	9.6	2.7
2012	5.4	3.9	6.3	12.2	9.1	3.2
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
Figure 9-2. - Incidence of gonorrhea						
2019	212.1	84.4	186.8	692.7	359.7	49.4
2018	182.3	81.8	153.0	632.6	387.4	46.9
2017	180.5	66.4	161.3	508.4	287.7	34.0
2016	151.3	62.8	139.7	514.3	229.0	33.5
2015	121.1	50.9	115.8	417.7	183.1	23.7
2014	112.7	40.6	103.8	336.2	206.5	24.8
2013	98.2	37.4	92.7	351.0	224.6	23.2
2012	89.4	31.0	89.8	380.6	185.7	25.1
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
Figure 9-3. - Incidence of chlamydia						
2019	601.2	195.9	548.7	1160.1	786.6	181.6
2018	577.5	217.8	530.7	1156.5	1031.9	175.3
2017	571.8	171.2	547.1	927.4	801.6	141.7
2016	511.5	162.0	482.2	884.5	846.5	133.8
2015	476.1	147.9	471.8	799.4	845.9	132.9
2014	471.7	135.2	451.4	766.3	986.6	114.7
2013	466.6	149.3	518.0	848.9	1158.2	129.3
2012	466.5	148.7	540.1	884.3	1096.9	106.8
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
Figure 9-4. - Incidence of HIV/AIDS						
2019	10.8	6.3	14.3	38.1	13.0	5.0
2018	11.7	7.1	14.9	42.6	14.7	7.6
2017	10.6	6.4	13.7	35.3	15.5	9.2
2016	10.8	6.4	13.0	42.9	18.6	7.0
2015	10.6	6.5	12.1	42.9	18.1	9.8
2014	11.2	7.0	14.5	37.8	15.3	6.7
2013	10.7	7.4	12.3	43.1	14.9	4.5
2012	9.7	6.4	11.0	38.8	14.8	8.3
2011	8.8	6.0	11.1	28.1	11.4	8.0
2010	9.8	8.4	11.1	22.8	12.1	5.3
2009	10.0	7.1	13.3	26.5	11.3	7.5

SCORES IN 2019

SCORES IN 2019

(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	-42.0	31.1	26.9	58.0	-63.9
1-2	Pregnancies among females 14 and younger	-50.0	50.0	50.0	200.0	-100.0
1-3	Pregnancies among females 15-17 years old	-51.0	39.2	20.6	96.1	-78.4
1-4	Pregnancies among females 18-19 years old	-40.0	32.5	30.4	51.6	-60.7
	TOTAL SCORE	-183.0	152.8	127.9	405.7	-303.0
	AVERAGE SCORE	-45.8	38.2	32.0	101.4	-75.8

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	-30.4	22.2	39.3	74.2	-67.1
2-2	Tobacco use during pregnancy	60.5	-53.5	16.3	-27.9	-79.1
2-3	Pre-existing hypertension	-13.3	0.0	113.3	53.3	-46.7
2-4	Gestational diabetes	-21.8	5.7	-24.1	100.0	66.7
2-5	Gestational hypertension	-5.0	-3.8	28.8	65.0	-38.8
2-6	Gestational weight gain - Inadequate	-14.4	9.8	9.8	3.7	31.6
2-7	Gestational weight gain -Excessive	7.0	-5.3	0.6	3.8	-25.5
	TOTAL SCORE	-17.4	-24.9	184.0	272.1	-158.9
	AVERAGE SCORE	-2.5	-3.6	26.3	38.9	-22.7

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	-22.2	15.1	29.3	37.0	-13.8
3-2	Fewer than five prenatal visits	-36.6	22.0	24.4	112.2	-36.6
3-3	No prenatal care	-42.3	30.8	15.4	103.8	-50.0
	TOTAL SCORE	-101.1	67.9	69.1	253.0	-100.4
	AVERAGE SCORE	-33.7	22.6	23.0	84.3	-33.5

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	Incidence of newborn intensive care	-3.9	-3.9	40.3	11.7	-11.7
4-2	Born too early (preterm or < 37 weeks)	-6.5	-1.1	41.9	14.0	2.2
4-3	Born too small: low-birthweight (<2,500 grams)	-8.1	-5.4	66.2	6.8	16.2
4-4	Born too small: very low-birthweight (<1,500 grams)	-9.1	0.0	118.2	18.2	-9.1
4-5	Incidence of congenital anomalies (birth defects)	25.0	0.0	-25.0	75.0	0.0
4-6	Infant mortality	-18.5	-3.7	120.4	27.8	-5.6
4-7	Sudden Infant Death Syndrome (SIDS)	50.0	-50.0	-100.0	250.0	50.0
4-8	Mortality of infants from low birthweight/short gestation	-42.9	14.3	-100.0	-71.4	85.7
4-9	Neonatal mortality	-20.6	-2.9	123.5	-8.8	2.9
4-10	Postneonatal mortality	-19.0	-9.5	104.8	81.0	-23.8
	TOTAL SCORE	-53.6	-62.2	390.3	404.3	106.8
	AVERAGE SCORE	-5.4	-6.2	39.0	40.4	10.7

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	0.5	-13.3	37.8	4.2	-30.8
5-2	Diseases of the heart	2.3	-21.4	37.1	-3.3	-36.9
5-3	Coronary heart disease	2.9	-23.0	30.9	-10.6	-36.7
5-4	Cerebrovascular disease	-3.2	9.4	15.2	15.2	-25.2
5-5	Chronic lower respiratory diseases	11.5	-48.7	-12.8	-53.8	-70.4
5-6	Malignant neoplasms (cancer)	1.6	-12.2	28.8	-1.8	-26.9
5-7	Lung cancer	9.2	-37.8	26.3	-69.1	-20.2
5-8	Breast cancer	1.6	-19.1	109.0	-6.4	-26.6
5-9	Cervical cancer	10.0	15.0	-70.0	-25.0	-20.0
5-10	Colorectal cancer	0.8	-8.9	15.4	4.9	-10.6
5-11	Prostate cancer	-2.3	-2.9	140.8	9.2	-43.1
5-12	Influenza and pneumonia	-6.7	-4.8	21.2	165.4	-4.8
5-13	Diabetes	-20.9	44.8	82.4	282.4	-18.4
5-14	Chronic liver disease and cirrhosis	-15.6	-1.4	-46.9	462.6	-73.5
5-15	HIV disease	-11.1	-11.1	266.7	111.1	-100.0
5-16	Septicemia	-18.4	15.8	0.0	268.4	-36.8
5-17	Alzheimer's disease	1.2	-0.6	34.9	-38.6	-43.4
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	-15.7	47.0	28.9	180.7	-9.6
5-19	Essential (primary) hypertension	-10.9	20.9	115.5	94.5	19.1
5-20	Total mortality from all causes	-0.3	-10.9	24.4	55.3	-37.7
	TOTAL SCORE	-63.5	-63.2	885.6	1445.3	-652.5
	AVERAGE SCORE	-3.2	-3.2	44.3	72.3	-32.6

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	2.2	-18.4	2.0	118.6	-61.3
6-2	Motor vehicle-related injuries	-5.3	-4.6	-8.4	180.2	-53.4
6-3	Fall-related injuries	4.9	-23.8	-41.8	29.5	-49.2
6-4	Drowning mortality	-7.7	-30.8	-38.5	184.6	-46.2
6-5	Injury by firearms	12.4	-33.3	22.2	-2.6	-73.9
6-6	Drug-induced deaths	12.7	-24.6	35.9	20.8	-78.5
6-7	Alcohol-induced deaths	-8.0	-30.2	-53.7	495.7	-90.1
6-8	Intentional self-harm (suicide)	22.2	-47.6	-33.9	41.8	-61.4
6-9	Assault (homicide)	-37.3	-1.7	157.6	244.1	-61.0
	TOTAL SCORE	-3.9	-215.0	41.4	1312.7	-575.0
	AVERAGE SCORE	-0.4	-23.9	4.6	145.9	-63.9

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 among children 1-14 years old	-5.1	-16.0	75.4	110.3	-36.6
7-2	Mortality among adolescents 15-19 years old	-13.8	-1.9	66.5	110.3	-72.9
7-3	Mortality among young adults 20-44 years old	-0.7	-23.2	31.5	206.1	-61.3
7-4	Mortality among middle-age adults 45-64 years old	3.7	-26.9	30.2	92.6	-52.7
	TOTAL SCORE	-15.9	-68.0	203.6	519.3	-223.5
	AVERAGE SCORE	-4.0	-17.0	50.9	129.8	-55.9

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	7.9	13.2	18.4	2.6
8-2	Median age at death from all causes among males	-2.7	12.2	12.2	21.6	4.1
8-3	Median age at death from all causes among females	-2.5	5.1	13.9	15.2	2.5
8-4	Percent of total deaths before expected years of life reached	-8.6	21.0	35.4	39.9	8.3
	TOTAL SCORE	-16.4	46.2	74.7	95.1	17.5
	AVERAGE SCORE	-4.1	11.6	18.7	23.8	4.4

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	-45.1	25.7	126.6	189.0	-59.2
9-2	Incidence of gonorrhea	-60.2	-11.9	226.6	69.6	-76.7
9-3	Incidence of chlamydia	-67.4	-8.7	93.0	30.8	-69.8
9-4	Incidence of HIV/HIV/AIDS	-41.7	32.4	252.8	20.4	-53.7
	TOTAL SCORE	-214.4	37.5	699.0	309.8	-259.4
	AVERAGE SCORE	-53.6	9.4	174.8	77.5	-64.9

OVERALL HEALTH STATUS (ALL 65 INDICATORS)

		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
	TOTAL SCORE	-669.2	-128.9	2675.6	5017.3	-2148.4
	AVERAGE SCORE	-10.3	-2.0	41.2	77.2	-33.1

RANK ORDER IN 2019

RANK ORDER IN 2019

(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	4.0	3.0	5.0	1.0
1-2	Pregnancies among females 14 and younger	2.0	3.5	3.5	5.0	1.0
1-3	Pregnancies among females 15-17 years old	2.0	4.0	3.0	5.0	1.0
1-4	Pregnancies among females 18-19 years old	2.0	4.0	3.0	5.0	1.0
	SUM OF RANKS	8.0	15.5	12.5	20.0	4.0
	AVERAGE RANK	2.0	3.9	3.1	5.0	1.0

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	5.0	2.0	4.0	3.0	1.0
2-3	Pre-existing hypertension	2.0	3.0	5.0	4.0	1.0
2-4	Gestational diabetes	2.0	3.0	1.0	5.0	4.0
2-5	Gestational hypertension	2.0	3.0	4.0	5.0	1.0
2-6	Gestational weight gain - Inadequate	1.0	3.5	3.5	2.0	5.0
2-7	Gestational weight gain -Excessive	5.0	2.0	3.0	4.0	1.0
	SUM OF RANKS	19.0	19.5	24.5	28.0	14.0
	AVERAGE RANK	2.7	2.8	3.5	4.0	2.0

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	3.0	4.0	5.0	2.0
3-2	Fewer than five prenatal visits	1.5	3.0	4.0	5.0	1.5
3-3	No prenatal care	2.0	4.0	3.0	5.0	1.0
	SUM OF RANKS	4.5	10.0	11.0	15.0	4.5
	AVERAGE RANK	1.5	3.3	3.7	5.0	1.5

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	Incidence of newborn intensive care	2.5	2.5	5.0	4.0	1.0
4-2	Born too early (preterm or < 37 weeks)	1.0	2.0	5.0	4.0	3.0
4-3	Born too small: low-birthweight (<2,500 grams)	1.0	2.0	5.0	3.0	4.0
4-4	Born too small: very low-birthweight (<1,500 grams)	1.5	3.0	5.0	4.0	1.5
4-5	Incidence of congenital anomalies (birth defects)	4.0	2.5	1.0	5.0	2.5
4-6	Infant mortality	1.0	3.0	5.0	4.0	2.0
4-7	Sudden Infant Death Syndrome (SIDS)	3.5	2.0	1.0	5.0	3.5
4-8	Mortality of infants from low birthweight/short gestation	3.0	4.0	1.0	2.0	5.0
4-9	Neonatal mortality	1.0	3.0	5.0	2.0	4.0
4-10	Postneonatal mortality	2.0	3.0	5.0	4.0	1.0
	SUM OF RANKS	20.5	27.0	38.0	37.0	27.5
	AVERAGE RANK	2.1	2.7	3.8	3.7	2.8

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	3.0	2.0	5.0	4.0	1.0
5-2	Diseases of the heart	4.0	2.0	5.0	3.0	1.0
5-3	Coronary heart disease	4.0	2.0	5.0	3.0	1.0
5-4	Cerebrovascular disease	2.0	3.0	4.5	4.5	1.0
5-5	Chronic lower respiratory diseases	5.0	3.0	4.0	2.0	1.0
5-6	Malignant neoplasms (cancer)	4.0	2.0	5.0	3.0	1.0
5-7	Lung cancer	4.0	2.0	5.0	1.0	3.0
5-8	Breast cancer	4.0	2.0	5.0	3.0	1.0
5-9	Cervical cancer	4.0	5.0	1.0	2.0	3.0
5-10	Colorectal cancer	3.0	2.0	5.0	4.0	1.0
5-11	Prostate cancer	3.0	2.0	5.0	4.0	1.0
5-12	Influenza and pneumonia	1.0	2.5	4.0	5.0	2.5
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	2.5	2.5	5.0	4.0	1.0
5-16	Septicemia	2.0	4.0	3.0	5.0	1.0
5-17	Alzheimer's disease	4.0	3.0	5.0	2.0	1.0
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	1.0	4.0	3.0	5.0	2.0
5-19	Essential (primary) hypertension	1.0	3.0	5.0	4.0	2.0
5-20	Total mortality from all causes	3.0	2.0	4.0	5.0	1.0
	SUM OF RANKS	58.5	55.0	84.5	73.5	28.5
	AVERAGE RANK	2.9	2.8	4.2	3.7	1.4

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	3.0	4.0	2.0	5.0	1.0
6-3	Fall-related injuries	4.0	3.0	2.0	5.0	1.0
6-4	Drowning mortality	4.0	3.0	2.0	5.0	1.0
6-5	Injury by firearms	4.0	2.0	5.0	3.0	1.0
6-6	Drug-induced deaths	3.0	2.0	5.0	4.0	1.0
6-7	Alcohol-induced deaths	4.0	3.0	2.0	5.0	1.0
6-8	Intentional self-harm (suicide)	4.0	2.0	3.0	5.0	1.0
6-9	Assault (homicide)	2.0	3.0	4.0	5.0	1.0
	SUM OF RANKS	32.0	24.0	28.0	42.0	9.0
	AVERAGE RANK	3.6	2.7	3.1	4.7	1.0

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 among children 1-14 years old	3.0	2.0	4.0	5.0	1.0
7-2	Mortality among adolescents 15-19 years old	2.0	3.0	4.0	5.0	1.0
7-3	Mortality among young adults 20-44 years old	3.0	2.0	4.0	5.0	1.0
7-4	Mortality among middle-age adults 45-64 years old	3.0	2.0	4.0	5.0	1.0
	SUM OF RANKS	11.0	9.0	16.0	20.0	4.0
	AVERAGE RANK	2.8	2.3	4.0	5.0	1.0

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	3.5	3.5	5.0	2.0
8-3	Median age at death from all causes among females	1.0	3.0	4.0	5.0	2.0
8-4	Percent of total deaths before expected years of life reached	1.0	3.0	4.0	5.0	2.0
	SUM OF RANKS	4.0	12.5	15.5	20.0	8.0
	AVERAGE RANK	1.0	3.1	3.9	5.0	2.0

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	4.0	5.0	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 HIV/AIDS	2.0	4.0	5.0	3.0	1.0
	SUM OF RANKS	8.0	13.0	19.0	16.0	4.0
	AVERAGE RANK	2.0	3.3	4.8	4.0	1.0

OVERALL HEALTH STATUS (ALL 65 INDICATORS)

		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
	SUM OF ALL RANKS FOR 65 MEASUREMENTS	165.5	185.5	249.0	271.5	103.5
	AVERAGE RANKS BASED ON 65 MEASUREMENTS	2.5	2.9	3.8	4.2	1.6

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 2019 and other intercensal years, utilize the best available data sources. They are described in detail at <http://pub.azdhs.gov/health-stats>.

Almost all figures are based on rates and ratios published in the **2019 Arizona Health Status and Vital Statistics** report and available online at <http://pub.azdhs.gov/health-stats>.

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	Pre-existing 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).
2-4	Gestational diabetes	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).
2-5	Gestational 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).
2-6	Gestational weight gain - Inadequate	The number of women giving birth, whose gestational weight gain was inadequate in relation to pre-pregnancy body mass index (BMI).
2-7	Gestational weight gain - Excessive	The number of women giving birth, whose gestational weight gain was excessive in relation to pre-pregnancy body mass index (BMI).

3. UTILIZATION OF PRENATAL CARE SERVICES

Figure number	Indicator	Definition
3-1	No care in the 1 st trimester	The number of mothers giving birth who received no prenatal care in the 1 st 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 newborn intensive care	The number of babies admitted to Newborn Intensive Care units per 100 births.
4-2	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 th week (259 th day), following onset of the last menstrual period.
4-3	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).
4-4	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).
4-5	Incidence of congenital anomalies (birth defects)	The numbers of babies born with birth defects per 100 births.
4-6	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).
4-7	Sudden Infant Death Syndrome (SIDS)	The number of infant deaths from Sudden Infant Death Syndrome (ICD-10 code R95) per 1,000 live births.
4-8	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.
4-9	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).
4-10	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 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	2019 population B	2019 deaths C	Age-specific rates in 2019 D (C/B)*100000	2000 standard E	Age-adjusted rate for 2019 F D*E
<1	83,742	430	513.5	.013818	7.1
1-4	353,183	81	22.9	.055317	1.3
5-14	930,127	143	15.4	.145565	2.2
15-24	968,655	843	87.0	.138646	12.1
25-34	987,195	1,509	152.9	.135573	20.7
35-44	881,451	1,921	217.9	.162613	35.4
45-54	851,820	3,378	396.6	.134834	53.5
55-64	868,629	7,456	858.4	.087247	74.9
65-74	729,313	11,943	1637.6	.066037	108.1
75-84	392,025	15,397	3927.6	.044842	176.1
85+	142,880	17,058	11938.7	.015508	185.1
All ages	7,189,020	60,161		TOTAL	Σ =676.6

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, 1999, 2009, AND 2019**

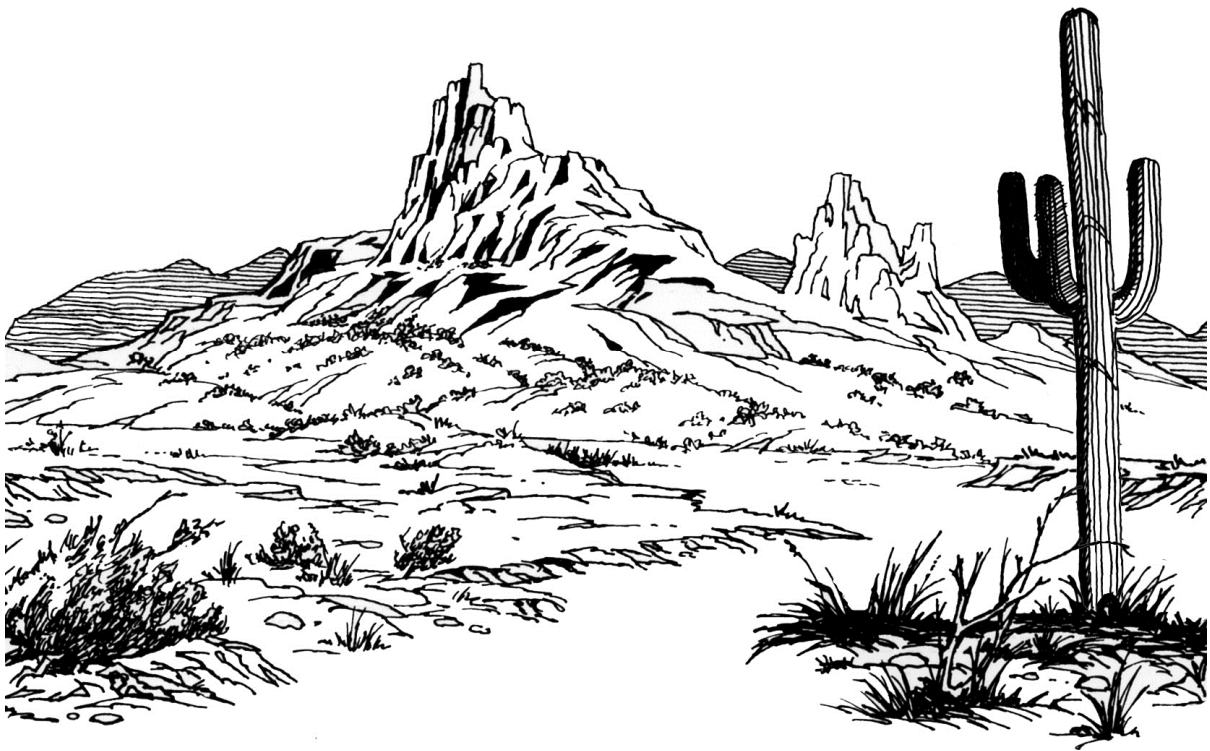
Racial/ethnic group	1999	2009	2019	Percent increase from 1999 to 2019
All Groups	5,023,824	6,595,778	7,189,020	43.1%
White Non-Hispanic	3,286,155	3,980,073	3,981,049	21.1%
Hispanic or Latino	1,174,427	1,835,276	2,279,253	94.1%
Black or African American	177,619	260,432	352,121	98.2%
American Indian or Alaska Native	275,287	346,080	299,123	8.7%
Asian or Pacific Islander	110,336	173,917	277,474	151.5%

ESTIMATED POPULATION BY AGE GROUP, GENDER AND RACE/ETHNICITY, ARIZONA, 2019

		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total
All groups	Total	83,742	353,183	930,127	968,655	987,195	881,451	851,820	868,629	729,313	392,025	142,880	7,189,020
	Male	42,855	180,609	474,115	499,860	512,290	446,108	421,903	414,293	341,161	182,958	58,507	3,574,659
	Female	40,887	172,574	456,012	468,795	474,905	435,343	429,917	454,336	388,152	209,067	84,373	3,614,361
White non-Hispanic	Total	33,508	140,695	378,503	416,019	468,968	442,656	491,372	598,286	570,031	322,464	118,547	3,981,049
	Male	17,178	72,256	193,402	215,317	241,525	225,127	246,094	286,035	269,277	153,196	49,511	1,968,918
	Female	16,330	68,439	185,101	200,702	227,443	217,529	245,278	312,251	300,754	169,268	69,036	2,012,131
Hispanic or Latino	Total	38,192	160,617	412,576	407,623	360,753	309,249	249,611	178,385	101,709	44,399	16,139	2,279,253
	Male	19,532	82,033	210,330	209,030	188,981	156,741	122,531	85,567	46,954	19,228	6,053	1,146,980
	Female	18,660	78,584	202,246	198,593	171,772	152,508	127,080	92,818	54,755	25,171	10,086	1,132,273
Black or African American	Total	4,930	22,021	56,035	57,433	59,375	46,814	40,015	34,410	20,154	8,332	2,602	352,121
	Male	2,515	11,196	28,638	30,647	32,187	24,607	20,675	17,440	9,462	3,705	939	182,011
	Female	2,415	10,825	27,397	26,786	27,188	22,207	19,340	16,970	10,692	4,627	1,663	170,110
American Indian or Alaska Native	Total	4,191	17,906	50,105	47,581	49,619	36,850	33,315	30,249	18,160	8,337	2,810	299,123
	Male	2,139	9,089	25,212	24,135	25,205	17,825	15,688	13,533	8,036	3,315	1,004	145,181
	Female	2,052	8,817	24,893	23,446	24,414	19,025	17,627	16,716	10,124	5,022	1,806	153,942
Asian or Pacific Islander	Total	2,921	11,944	32,908	39,999	48,480	45,882	37,507	27,299	19,259	8,493	2,782	277,474
	Male	1,491	6,035	16,533	20,731	24,392	21,808	16,915	11,718	7,432	3,514	1,000	131,569
	Female	1,430	5,909	16,375	19,268	24,088	24,074	20,592	15,581	11,827	4,979	1,782	145,905

Note: Population denominator tables can be found:
<http://pub.azdhs.gov/health-stats>

Our Web site at <https://pub.azdhs.gov/health-stats> provides access to a wide range of statistical information about the 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 Advance Vital Statistics by County of Residence, 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 (first-listed diagnosis, procedures, mental disorders, asthma, diabetes, influenza and pneumonia, and substance abuse), Community Vital Statistics, Teenage Pregnancy, Differences in Health Status Among Racial/Ethnic Groups, and Health Status Profile of American Indians in Arizona.



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