



CHARTBOOK: RACIAL AND ETHNIC HEALTH DISPARITIES IN A CHANGING KANSAS

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CHARTBOOK: RACIAL AND ETHNIC HEALTH DISPARITIES IN A CHANGING KANSAS

DECEMBER 2017

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Introduction

Since the publication of the report *Racial and Ethnic Minority Health Disparities in Kansas* in 2005, the racial and ethnic composition of the population in the state has changed with an increase in the number of minorities and a decrease in the number of non-Hispanic White Kansans, as well as a shift away from rural Kansas to urban and semi-urban communities. Overall health outcomes may be impacted by these changes in the population, as population groups may be exposed to different social determinants of health, including education, income, crime, nutrition, access to care and more.

The mission of the Kansas Health Institute (KHI) is to improve the health of all Kansans by supporting effective policymaking, engaging at the state and community levels, and providing nonpartisan, actionable and evidence-based information. To support this mission, KHI has developed an update to the original report with two primary purposes: 1) consolidate updated health information for the populations of Kansas in one location; and 2) identify health disparities that impact Kansans across the state.

2017 Chartbook Update

The goal of this chartbook is to present patterns and trends in demographics, social determinants and health outcomes to illustrate how populations have changed since the original databook was published. The purpose of this material is to provide information that will spark conversations about the needs of communities across the state.

For 2017, KHI has updated its methodology and expanded the scope to include a more detailed examination of social determinants of health by race and ethnicity in the state. Where possible, data also are provided for a rural-to-urban continuum used for the state of Kansas to illustrate comparisons of counties that may be more racially and ethnically homogenous, but still face their own unique behavioral risks and health outcomes. Further, to understand how health patterns have changed across time, this report will examine trends in available data when possible.

Population Characteristics

In this section, the demographics of Kansas are examined to understand the current population of Kansas as well as changes to the population over time. The Kansas population is examined based on race and ethnicity in combination with geographic area, age and gender.

The section begins with an examination of the Kansas population by race and ethnicity. This is presented as a cumulative summation to the total Kansas population using both tables and figures to illustrate the estimated population of Kansas in 2016.

Next, the population change is examined between the year 2000 and the year 2016 to determine how the racial and ethnic composition has changed over the 16-year period and how the population distribution of Kansas has changed across rural and urban areas of the state (*Technical Notes, Appendix H*).

The gender proportions of each racial and ethnic group are then examined for Kansas across geographic area for the year 2016.

Finally, the age distribution of Kansas in 2016 is presented through calculation of median age and the development of population pyramids. The population pyramids compare the United States to Kansas, non-Hispanic Whites to minorities in Kansas, and gender differences within racial and ethnic groups in Kansas.

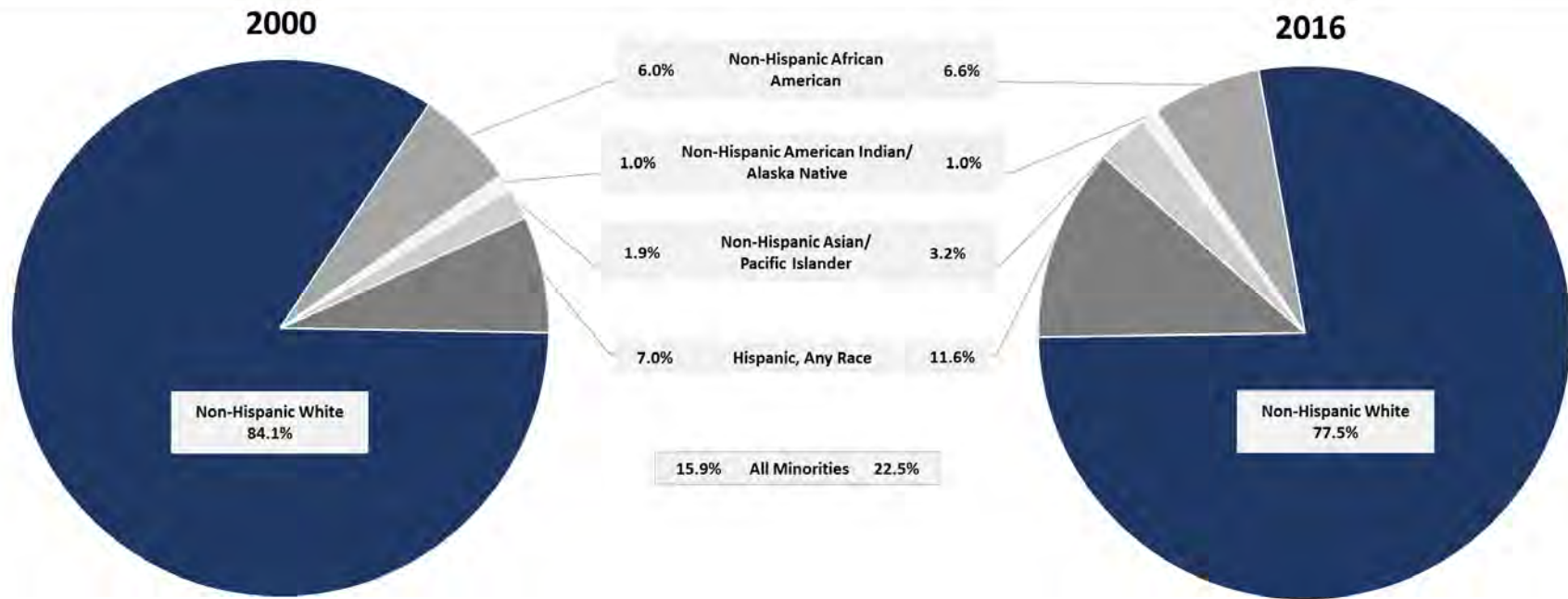
Figure 1. Population by Race/Ethnicity and Population Density in Kansas, 2016

| Geographic Area | All Kansans | All Kansans | | All Minorities | | | |
|-----------------|---------------------|--------------------|------------------|-------------------------------|--|-------------------------------------|--------------------|
| | | Non-Hispanic White | All Minorities | Non-Hispanic African American | Non-Hispanic American Indian/Alaska Native | Non-Hispanic Asian/Pacific Islander | Hispanic, Any Race |
| Kansas | 2,907,289 100.0% | 2,254,581 77.5% | 652,708 22.5% | 192,710 6.6% | 28,896 1.0% | 92,621 3.2% | 338,481 11.6% |
| Frontier | 108,698 3.7% | 95,445 3.3% | 13,253 0.5% | 1,349 <0.1% | 900 <0.1% | 641 <0.1% | 10,363 0.4% |
| Rural | 231,485 8.0% | 207,318 7.1% | 24,167 0.8% | 3,502 0.1% | 2,288 0.1% | 1,509 0.1% | 16,868 0.6% |
| Dense Rural | 469,376 16.1% | 367,433 12.6% | 101,943 3.5% | 12,196 0.4% | 6,092 0.2% | 7,028 0.2% | 76,627 2.6% |
| Semi-Urban | 459,663 15.8% | 383,811 13.2% | 75,852 2.6% | 23,878 0.8% | 4,975 0.2% | 10,222 0.4% | 36,777 1.3% |
| Urban | 1,638,067 56.3% | 1,200,574 41.3% | 437,493 15.0% | 151,785 5.2% | 14,641 0.5% | 73,221 2.5% | 197,846 6.8% |

Note: Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. Percentages are expressed as the percent of All Kansans represented by the number of individuals within the respective race/ethnicity and geographic area categories. Percentages may not sum to 100 percent due to rounding.

Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race Postcensal Population Estimates.

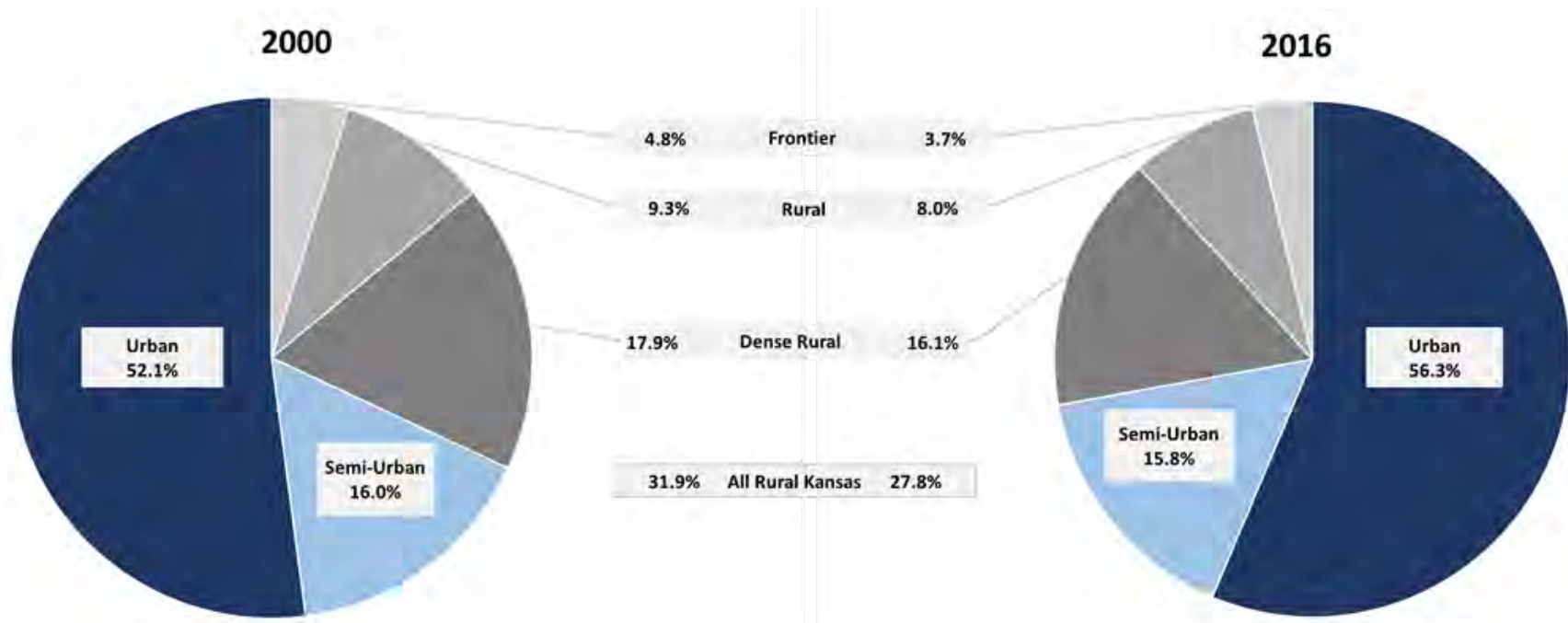
Figure 2a. Change in Percent of Population by Race/Ethnicity in Kansas, 2000 and 2016



Note: Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native and Asian/Pacific Islander. Percentages may not sum to 100 percent due to rounding. The percentages for Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Hispanic may not sum up to All Minorities due to rounding.

Source: KHI analysis of data from the National Center for Health Statistics' (NCHS) April 1, 2000 Bridged-race Population Estimates and the NCHS's Vintage 2016 Bridged-race Postcensal Population Estimates.

Figure 2b. Change in Percent of Population by Population Density in Kansas, 2000 and 2016



Note: Percentages may not sum to 100 percent due to rounding. The percentages for Frontier, Rural and Dense Rural may not sum to All Rural Kansas due to rounding.

Source: KHI analysis of data from the National Center for Health Statistics' April 1, 2000 Bridged-race Population Estimates and the NCHS's Vintage 2016 Bridged-race Postcensal Population Estimates.

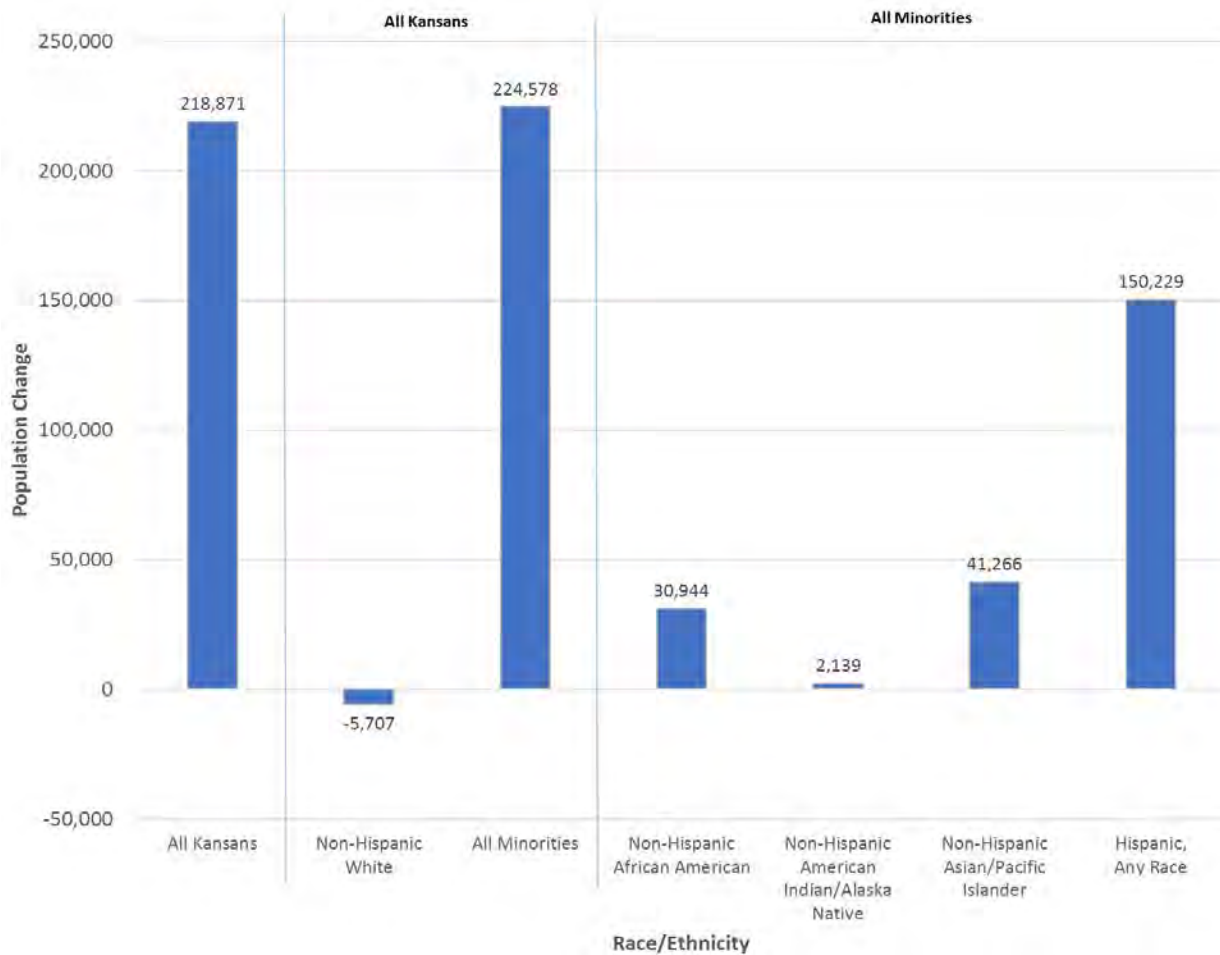
Figure 3. Population Change in Kansas by Race/Ethnicity and Population Density, between 2000 and 2016

| Geographic Area | All Kansans | | | | | | | | | All Minorities | | | | | | | | | | | |
|-----------------|-------------|-----------|------------------------|--------------------|-----------|------------------------|----------------|---------|------------------------|-------------------------------|---------|------------------------|-------------------------------------|--------|------------------------|-------------------------------------|--------|------------------------|--------------------|---------|------------------------|
| | All Kansans | | | Non-Hispanic White | | | All Minorities | | | Non-Hispanic African American | | | Non-Hispanic American Indian/Alaska | | | Non-Hispanic Asian/Pacific Islander | | | Hispanic, Any Race | | |
| | 2000 | 2016 | Pop. Change (% Change) | 2000 | 2016 | Pop. Change (% Change) | 2000 | 2016 | Pop. Change (% Change) | 2000 | 2016 | Pop. Change (% Change) | 2000 | 2016 | Pop. Change (% Change) | 2000 | 2016 | Pop. Change (% Change) | 2000 | 2016 | Pop. Change (% Change) |
| Kansas | 2,688,418 | 2,907,289 | +218,871 (+8.1%) | 2,260,288 | 2,254,581 | -5,707 (-0.3%) | 428,130 | 652,708 | +224,578 (+52.5%) | 161,766 | 192,710 | +30,944 (+19.1%) | 26,757 | 28,896 | +2,139 (+8.0%) | 51,355 | 92,621 | +41,266 (+80.4%) | 188,252 | 338,481 | +150,229 (+79.8%) |
| Frontier | 127,893 | 108,698 | -19,195 (-15.0%) | 119,779 | 95,445 | -24,334 (-20.3%) | 8,114 | 13,253 | +5,139 (+63.3%) | 620 | 1,349 | +729 (+117.6%) | 694 | 900 | +206 (+29.7%) | 299 | 641 | +342 (+114.4%) | 6,501 | 10,363 | +3,862 (+59.4%) |
| Rural | 249,506 | 231,485 | -18,021 (-7.2%) | 234,753 | 207,318 | -27,435 (-11.7%) | 14,753 | 24,167 | +9,414 (+63.8%) | 2,273 | 3,502 | +1,229 (+54.1%) | 2,107 | 2,288 | +181 (+8.6%) | 657 | 1,509 | +852 (+129.7%) | 9,716 | 16,868 | +7,152 (+73.6%) |
| Dense Rural | 481,501 | 469,376 | -12,125 (-2.5%) | 406,669 | 367,433 | -39,236 (-9.6%) | 74,832 | 101,943 | +27,111 (+36.2%) | 8,945 | 12,196 | +3,251 (+36.3%) | 5,825 | 6,092 | +267 (+4.6%) | 5,064 | 7,028 | +1,964 (+38.8%) | 54,998 | 76,627 | +21,629 (+39.3%) |
| Semi-Urban | 429,157 | 459,663 | +30,506 (+7.1%) | 378,937 | 383,811 | +4,874 (+1.3%) | 50,220 | 75,852 | +25,632 (+51.0%) | 20,396 | 23,878 | +3,482 (+17.1%) | 4,570 | 4,975 | +405 (+8.9%) | 6,046 | 10,222 | +4,176 (+69.1%) | 19,208 | 36,777 | +17,569 (+91.5%) |
| Urban | 1,400,361 | 1,638,067 | +237,706 (+17.0%) | 1,120,150 | 1,200,574 | +80,424 (+7.2%) | 280,211 | 437,493 | +157,282 (+56.1%) | 129,532 | 151,785 | +22,253 (+17.2%) | 13,561 | 14,641 | +1,080 (+8.0%) | 39,289 | 73,221 | +33,932 (+86.4%) | 97,829 | 197,846 | +100,017 (+102.2%) |

Note: Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. Percent change is calculated as the 2016 population estimate, minus the 2000 population estimate, divided by the 2000 population estimate, and multiplied by 100.

Source: KHI analysis of the National Center for Health Statistics' (NCHS) April 1, 2000 Bridged-race Population Estimates and the NCHS's Vintage 2016 Bridged-race Postcensal Population Estimates.

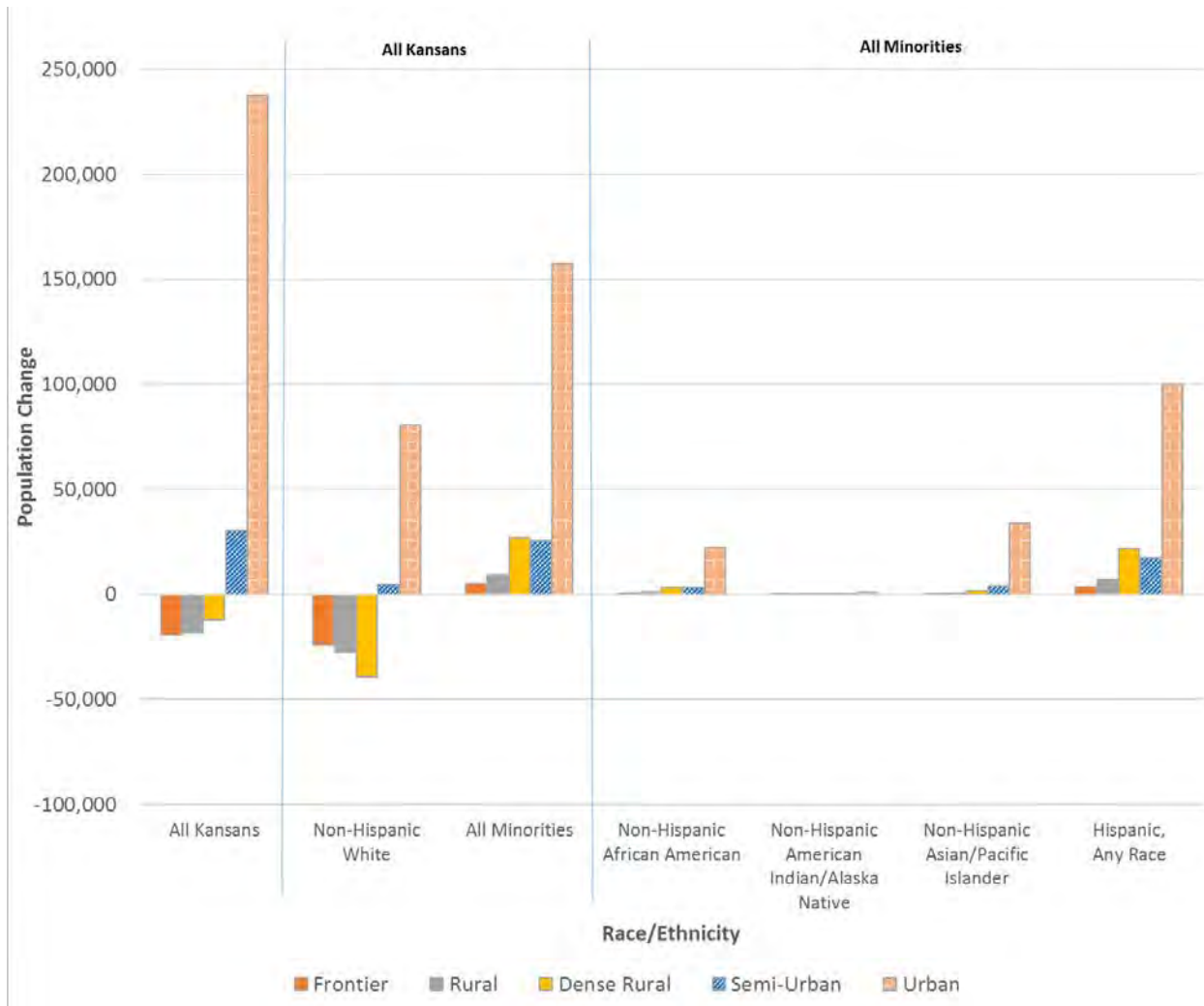
Figure 4a. Population Change by Race/Ethnicity in Kansas, between 2000 and 2016



Note: Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. Population change is calculated as the 2016 population estimate minus the 2000 population estimate. The All Kansans category is the summation of the population change across racial/ethnic groups.

Source: KHI analysis of the National Center for Health Statistics' (NCHS) April 1, 2000 Bridged-race Population Estimates and the NCHS's Vintage 2016 Bridged-race Postcensal Population Estimates.

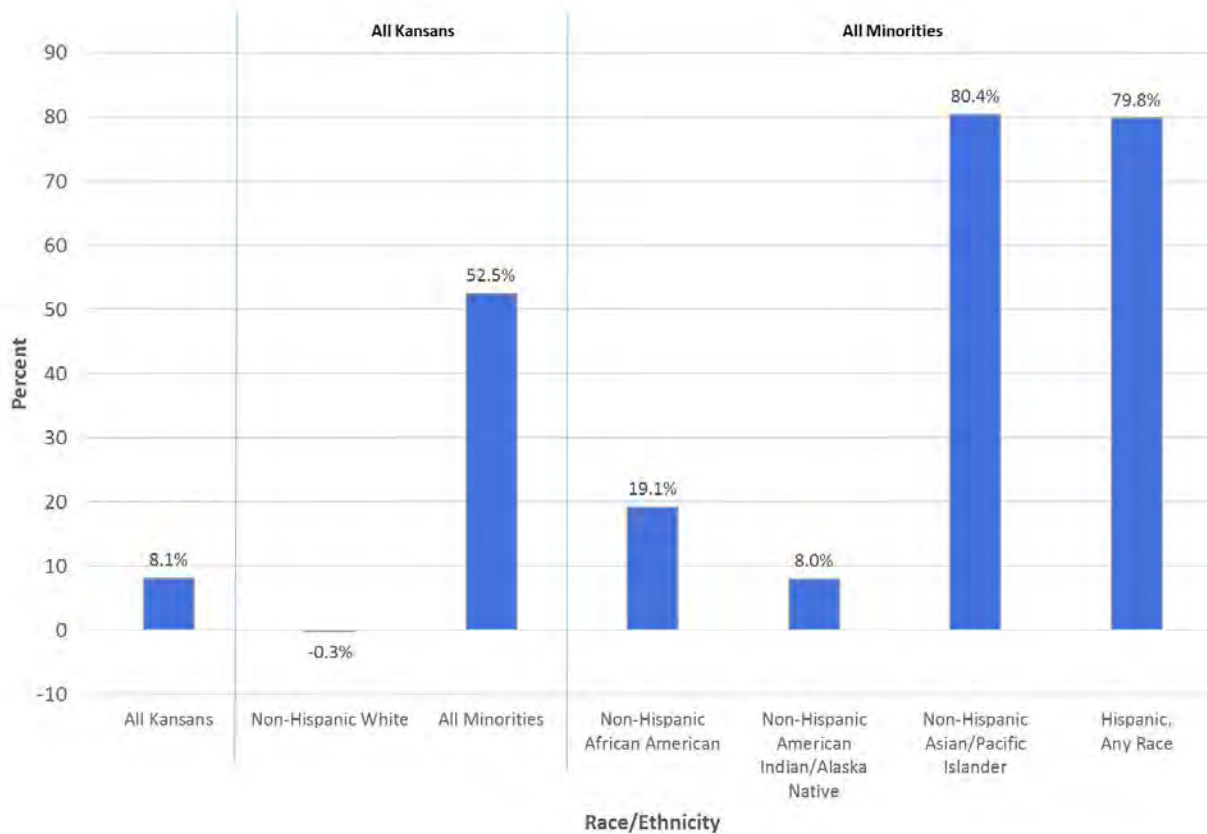
Figure 4b. Population Change by Race/Ethnicity and Population Density in Kansas, between 2000 and 2016



Note Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. Population change is calculated as the 2016 population estimate minus the 2000 population estimate. The All Kansans category is the summation of the population change across racial/ethnic groups.

Source: KHI analysis of the National Center for Health Statistics' (NCHS) April 1, 2000 Bridged-race Population Estimates and the NCHS's Vintage 2016 Bridged-race Postcensal Population Estimates.

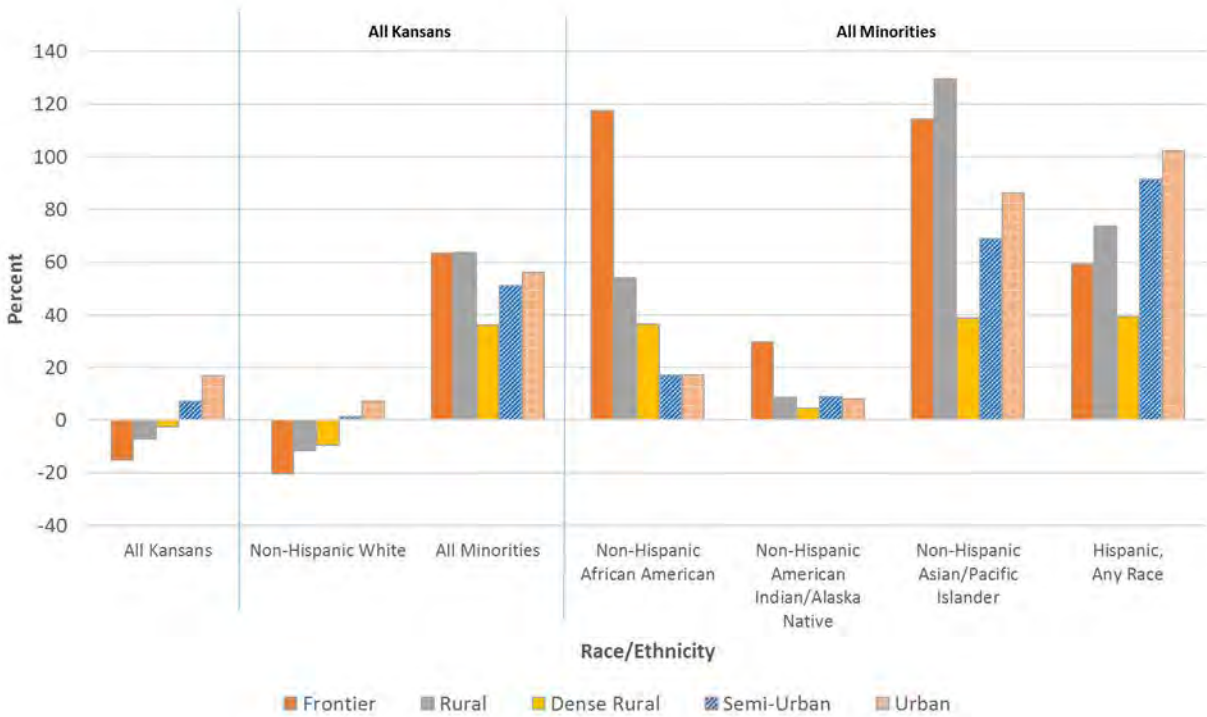
Figure 4c. Percent Population Change by Race/Ethnicity in Kansas, between 2000 and 2016



Note: Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. Percent change is calculated as the 2016 population estimate, minus the 2000 population estimate, divided by the 2000 population estimate, and multiplied by 100.

Source: KHI analysis of the National Center for Health Statistics' (NCHS) April 1, 2000 Bridged-race Population Estimates and the NCHS's Vintage 2016 Bridged-race Postcensal Population Estimates.

Figure 4d. Percent Population Change by Race/Ethnicity and Population Density in Kansas, between 2000 and 2016



Note: Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. Percent change is calculated as the 2016 population estimate, minus the 2000 population estimate, divided by the 2000 population estimate, and multiplied by 100.

Source: KHI analysis of the National Center for Health Statistics' (NCHS)'s April 1, 2000 Bridged-race Population Estimates and the NCHS's Vintage 2016 Bridged-race Postcensal Population Estimates.

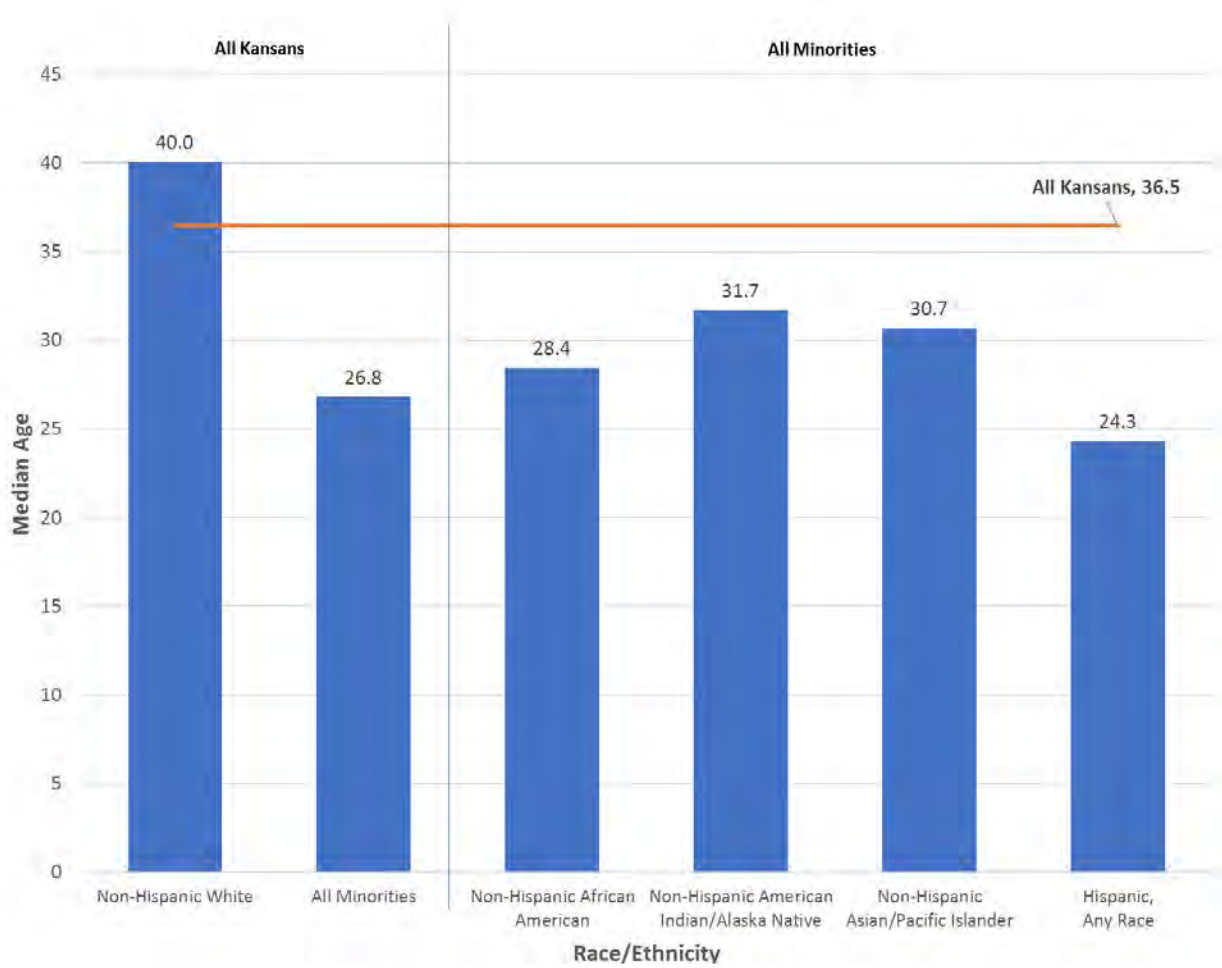
Figure 5. Percent of Population by Race/Ethnicity, Gender and Population Density in Kansas, 2016

| Geographic Area | All Kansans | | | | | | All Minorities | | | | | | | |
|--------------------|-------------|--------|--------------------|--------|----------------|--------|-------------------------------|--------|--|--------|-------------------------------------|--------|--------------------|--------|
| | All Kansans | | Non-Hispanic White | | All Minorities | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| Kansas | 49.8% | 50.2% | 49.4% | 50.6% | 51.2% | 48.8% | 51.6% | 48.4% | 49.4% | 50.6% | 48.5% | 51.5% | 51.8% | 48.2% |
| Frontier | 50.2% | 49.8% | 50.0% | 50.0% | 52.1% | 47.9% | 57.0% | 43.0% | 49.1% | 50.9% | 42.6% | 57.4% | 52.3% | 47.7% |
| Rural | 50.4% | 49.6% | 50.0% | 50.0% | 53.5% | 46.5% | 63.8% | 36.2% | 49.3% | 50.7% | 43.3% | 56.7% | 52.8% | 47.2% |
| Dense Rural | 50.0% | 50.0% | 49.3% | 50.7% | 52.5% | 47.5% | 58.2% | 41.8% | 50.0% | 50.0% | 47.5% | 52.5% | 52.2% | 47.8% |
| Semi-Urban | 50.6% | 49.4% | 50.0% | 50.0% | 53.6% | 46.4% | 57.8% | 42.2% | 50.5% | 49.5% | 47.1% | 52.9% | 53.2% | 46.8% |
| Urban | 49.4% | 50.6% | 49.1% | 50.9% | 50.3% | 49.7% | 49.7% | 50.3% | 48.9% | 51.1% | 49.0% | 51.0% | 51.3% | 48.7% |

Note: Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. Percentages are calculated for males and females based on the total population of each racial/ethnic group. Percentages for gender may not sum to 100 percent due to rounding.

Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-Race Postcensal Population Estimates.

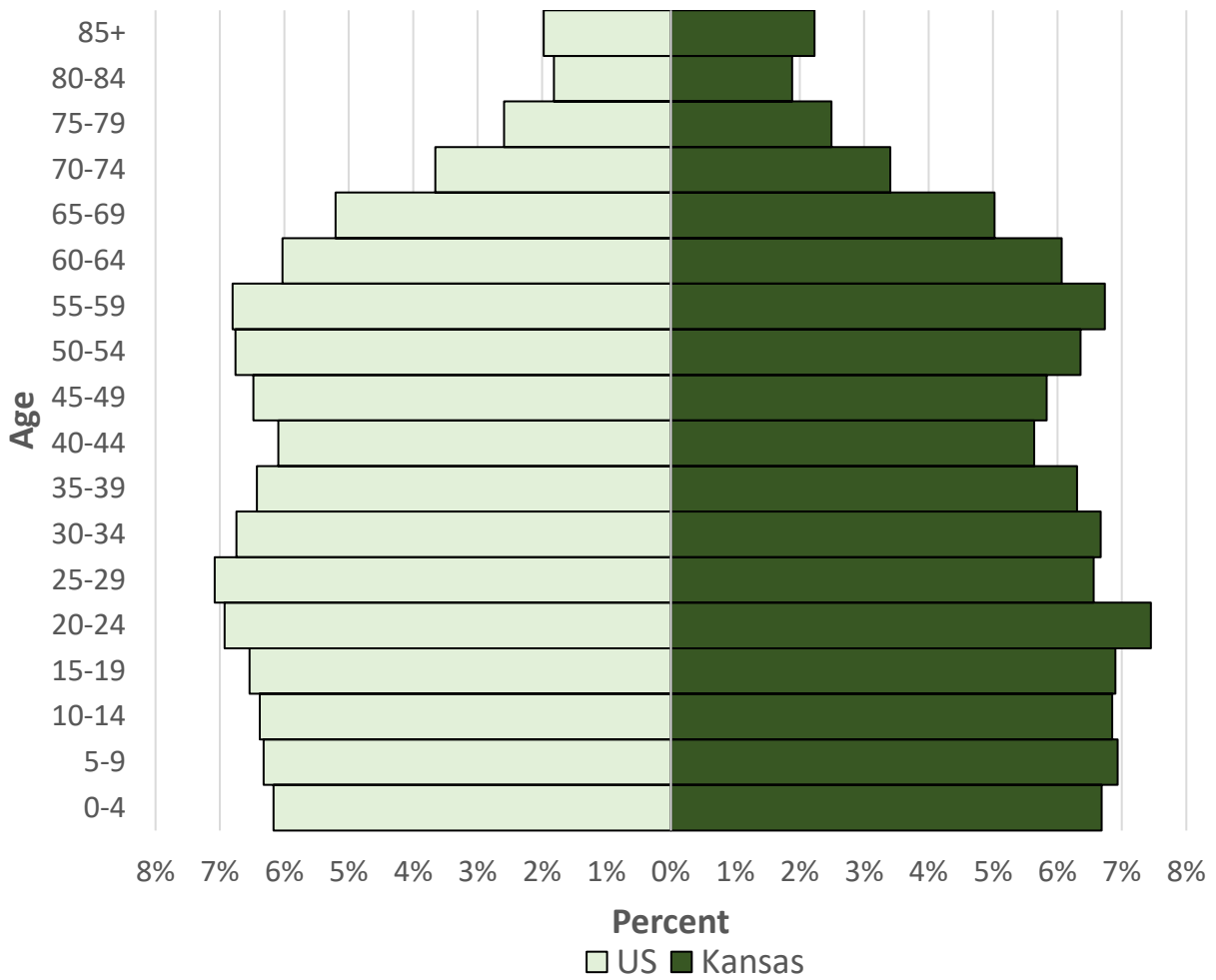
Figure 6. Median Age by Race/Ethnicity in Kansas, 2016



Note: Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-Race Postcensal Population Estimates.

Figure 7a. Age Distribution of the Total Population, United States and Kansas, 2016



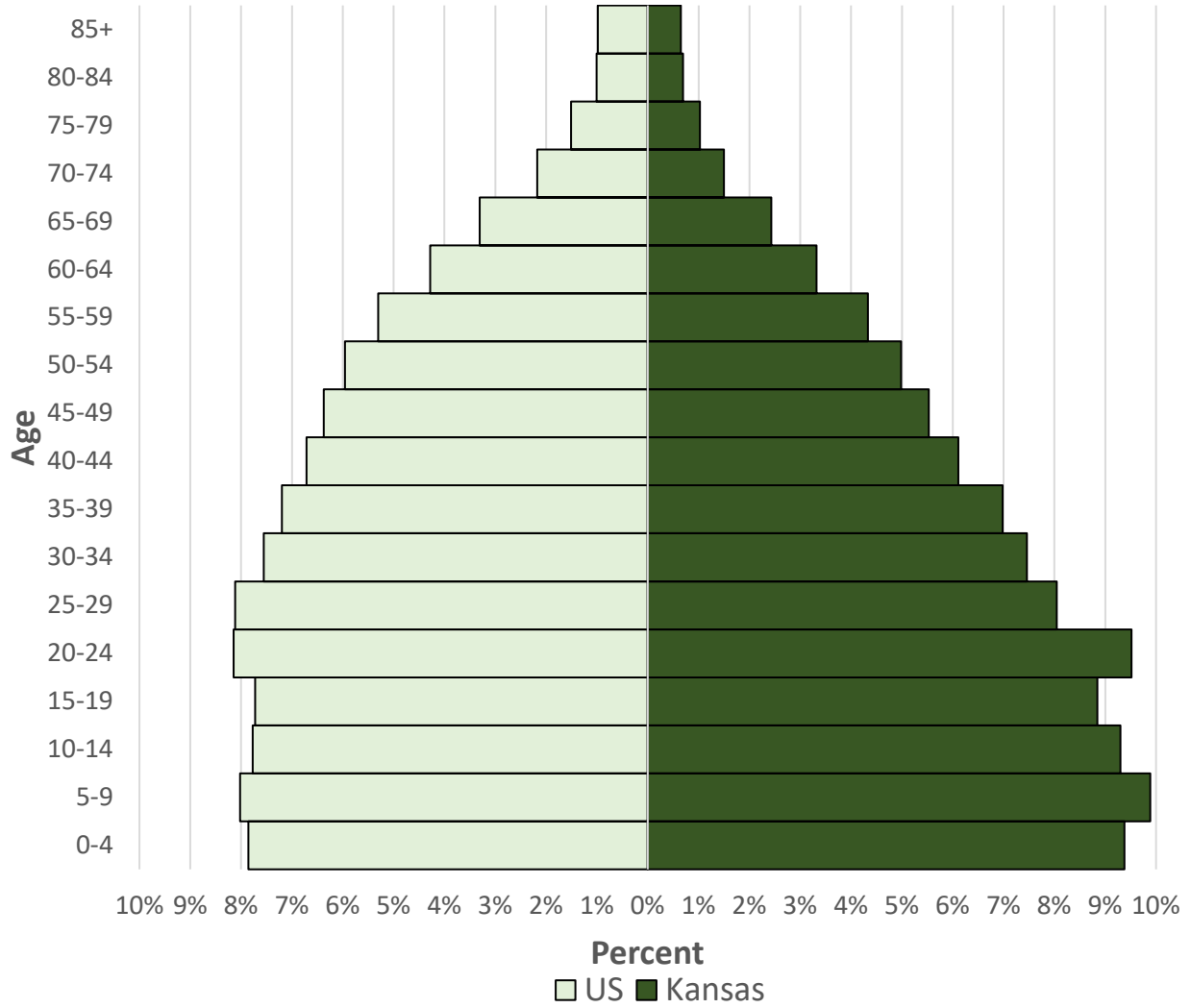
Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 7b. Age Distribution for non-Hispanic Whites, United States and Kansas, 2016



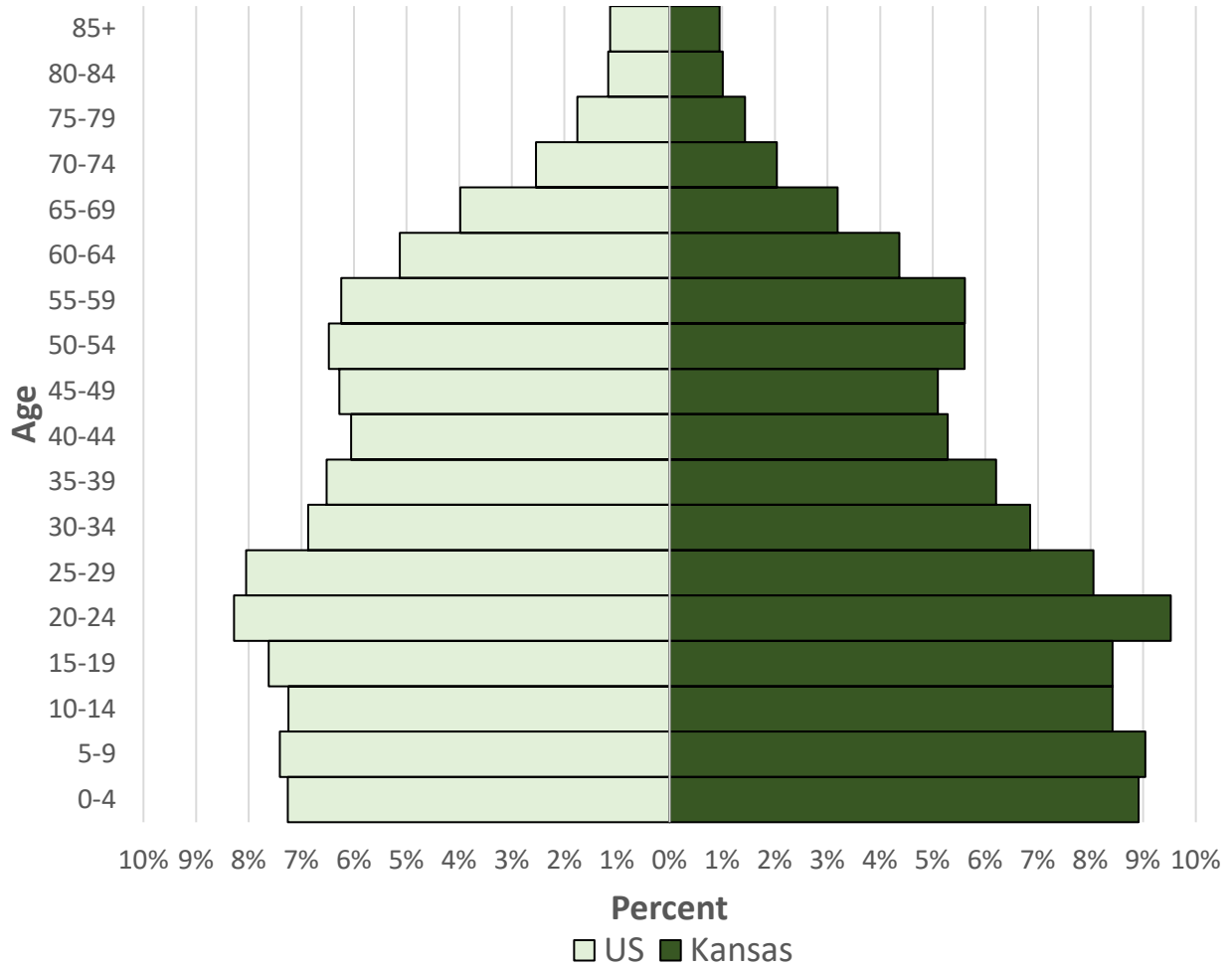
Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 7c. Age Distribution for All Minorities, United States and Kansas, 2016



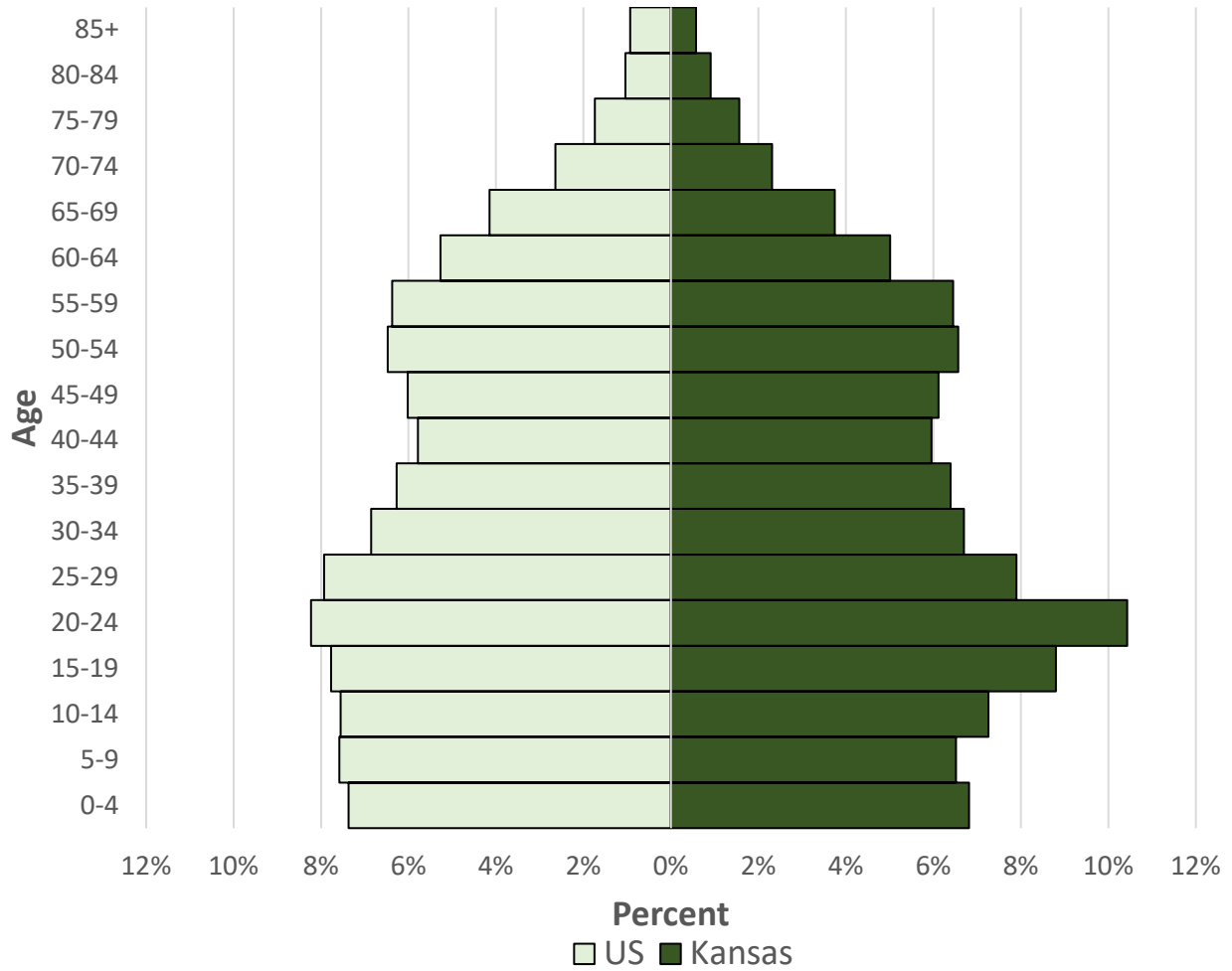
Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 7d. Age Distribution for non-Hispanic African Americans, United States and Kansas, 2016



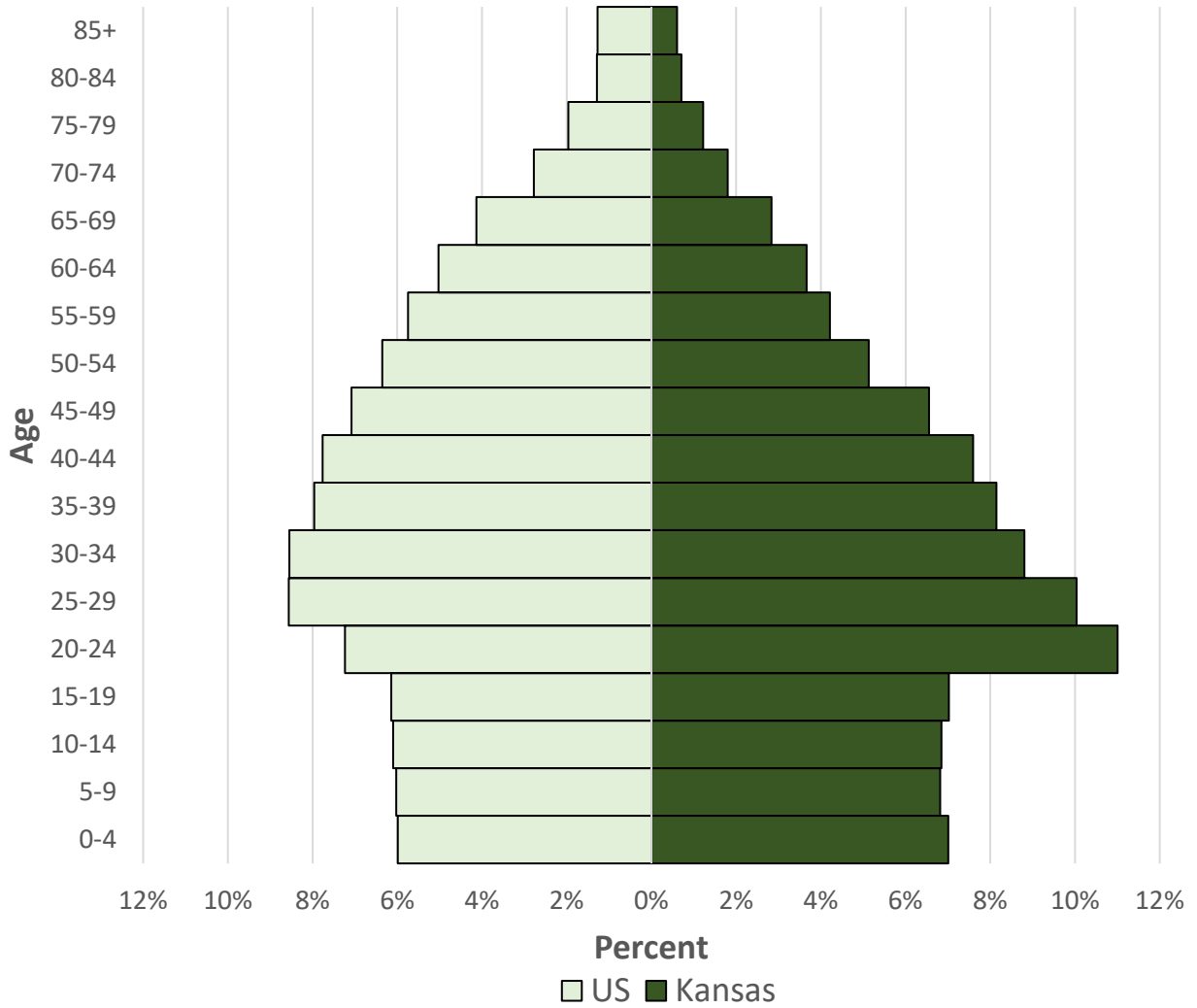
Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 7e. Age Distribution for non-Hispanic American Indian/Alaska Natives, United States and Kansas, 2016



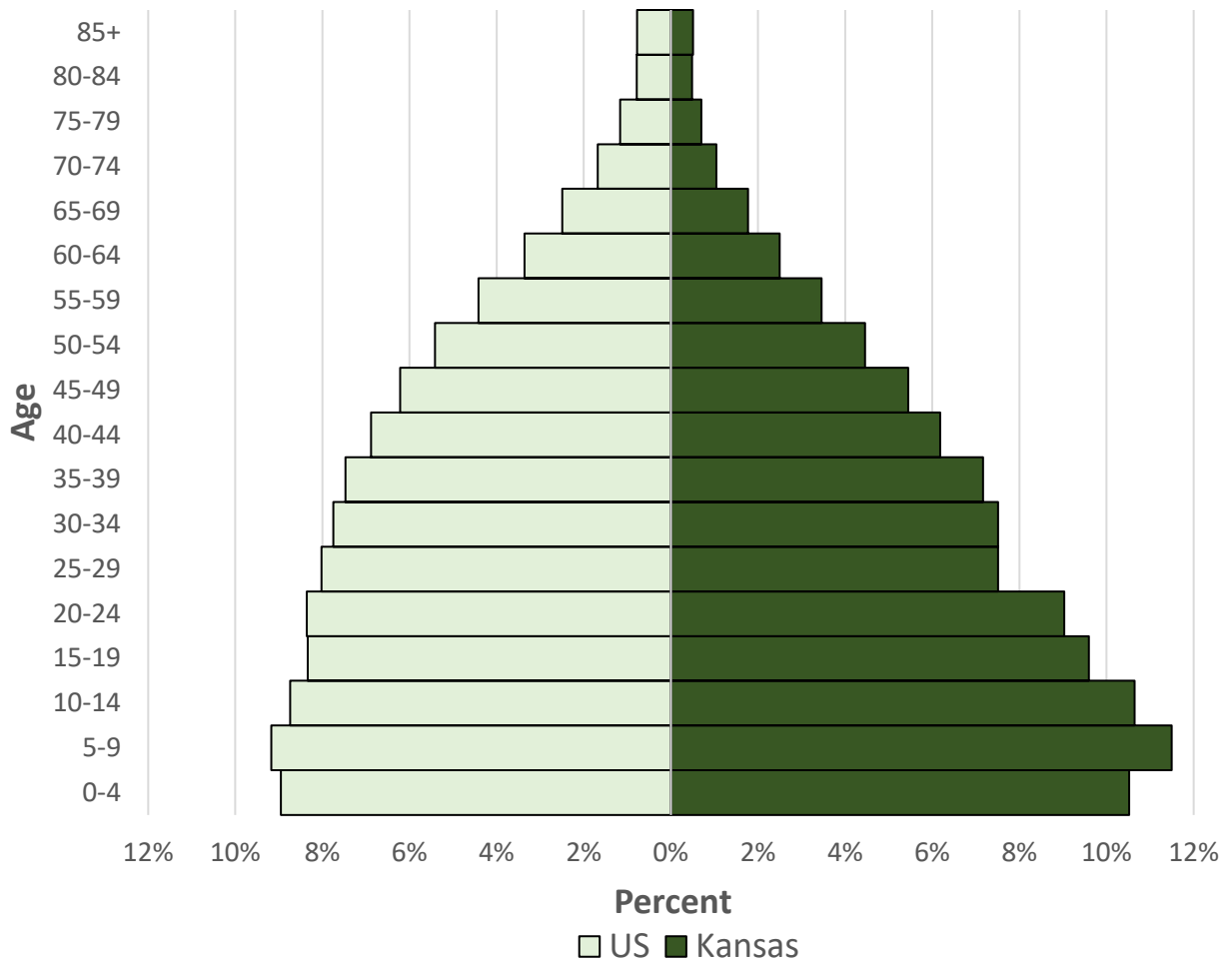
Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 7f. Age Distribution for non-Hispanic Asian/Pacific Islanders, United States and Kansas, 2016



Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

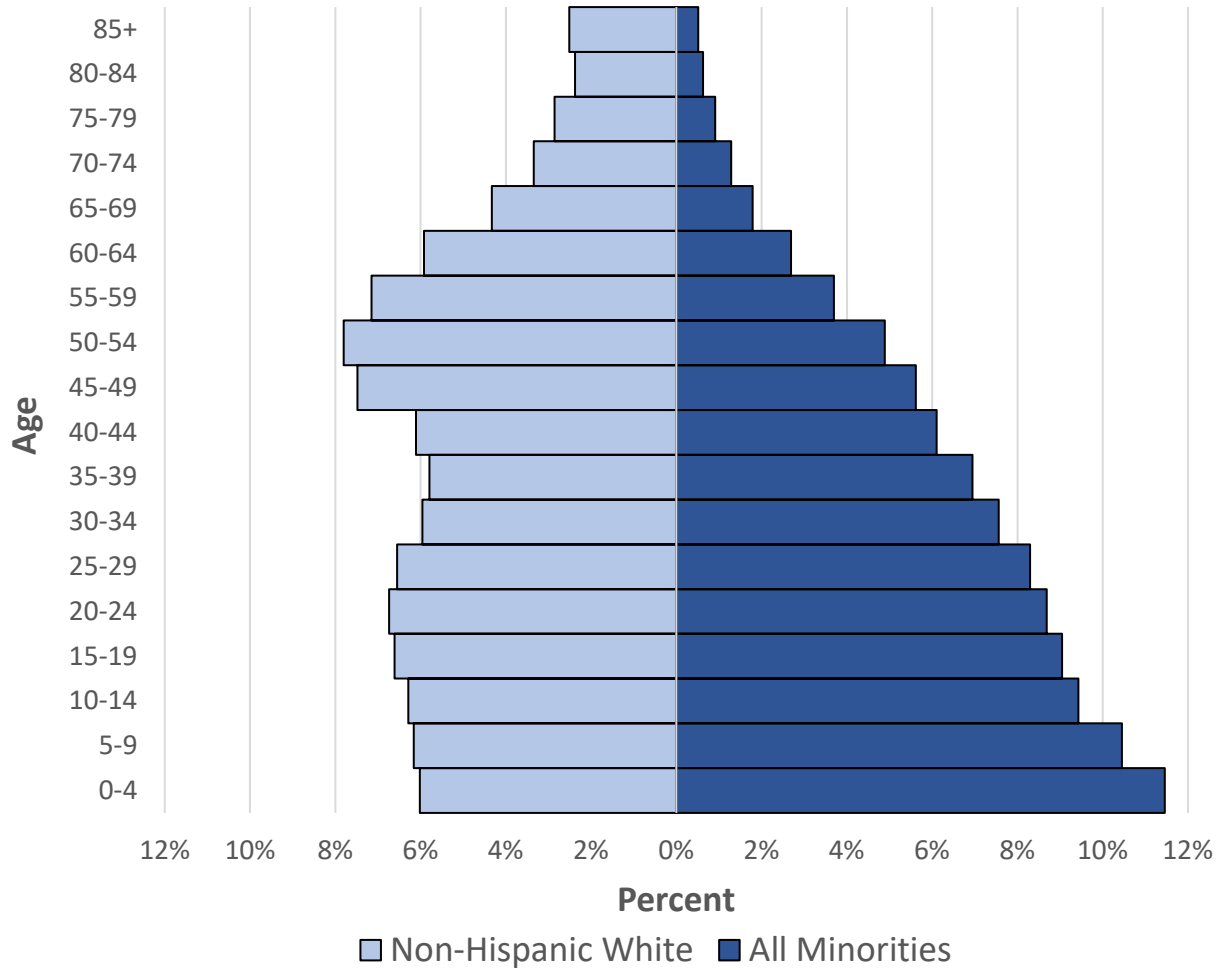
Figure 7g. Age Distribution for Hispanics, United States and Kansas, 2016



Note: Hispanics are of any race.

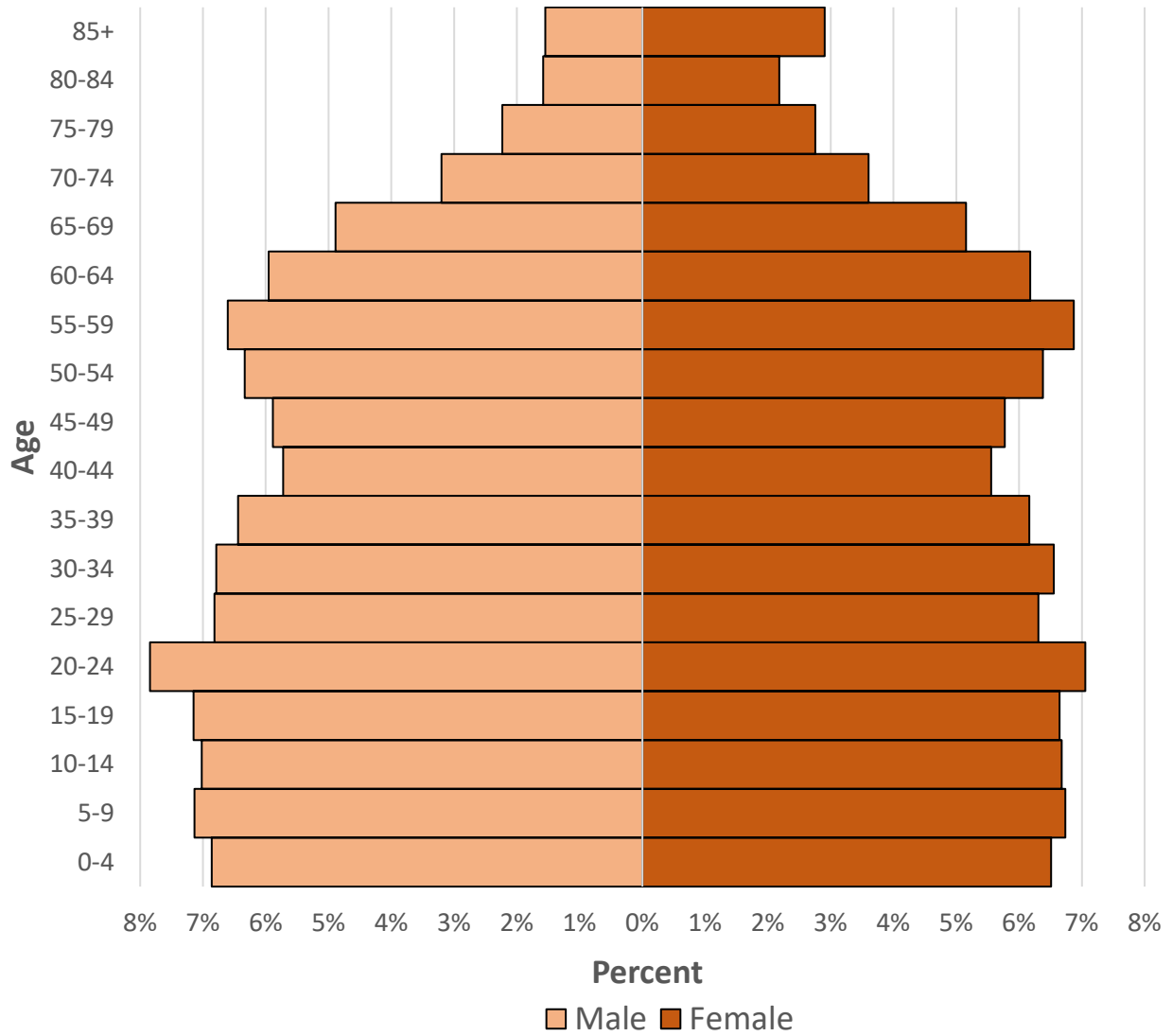
Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 8. Age Distribution for non-Hispanic Whites and All Minorities in Kansas, 2016



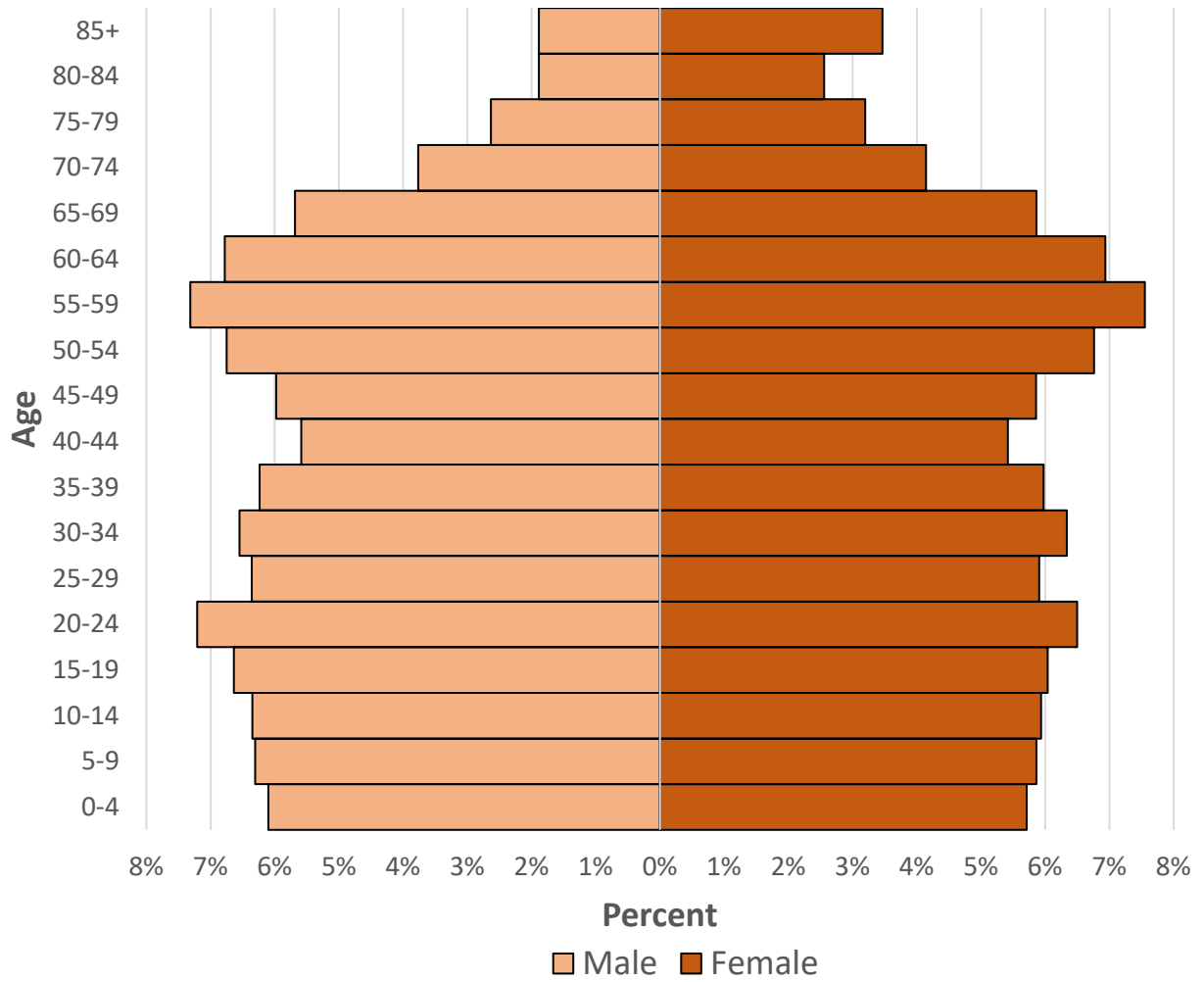
Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 9a. Age Distribution of the Total Population by Gender in Kansas, 2016



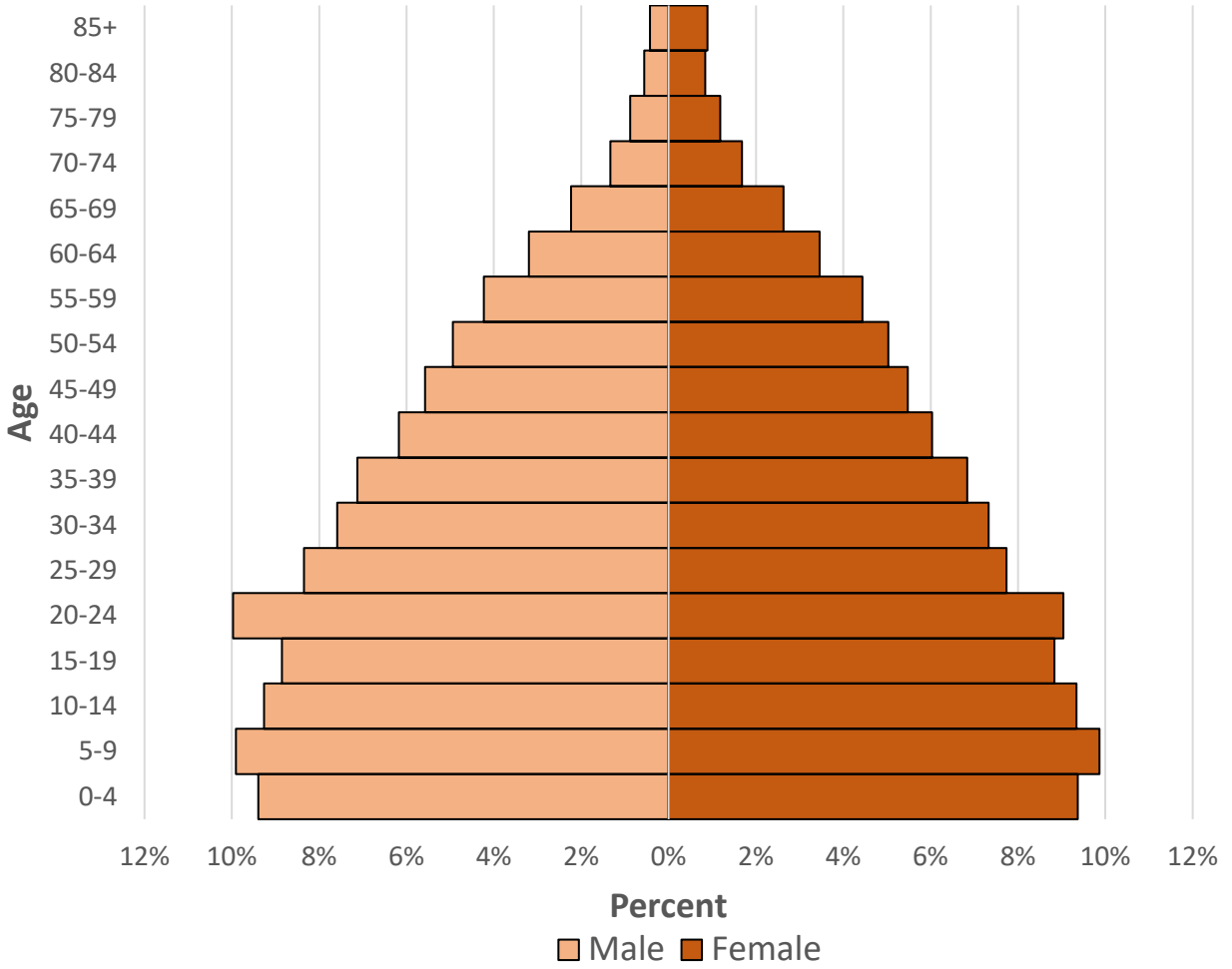
Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 9b. Age Distribution for non-Hispanic Whites by Gender in Kansas, 2016



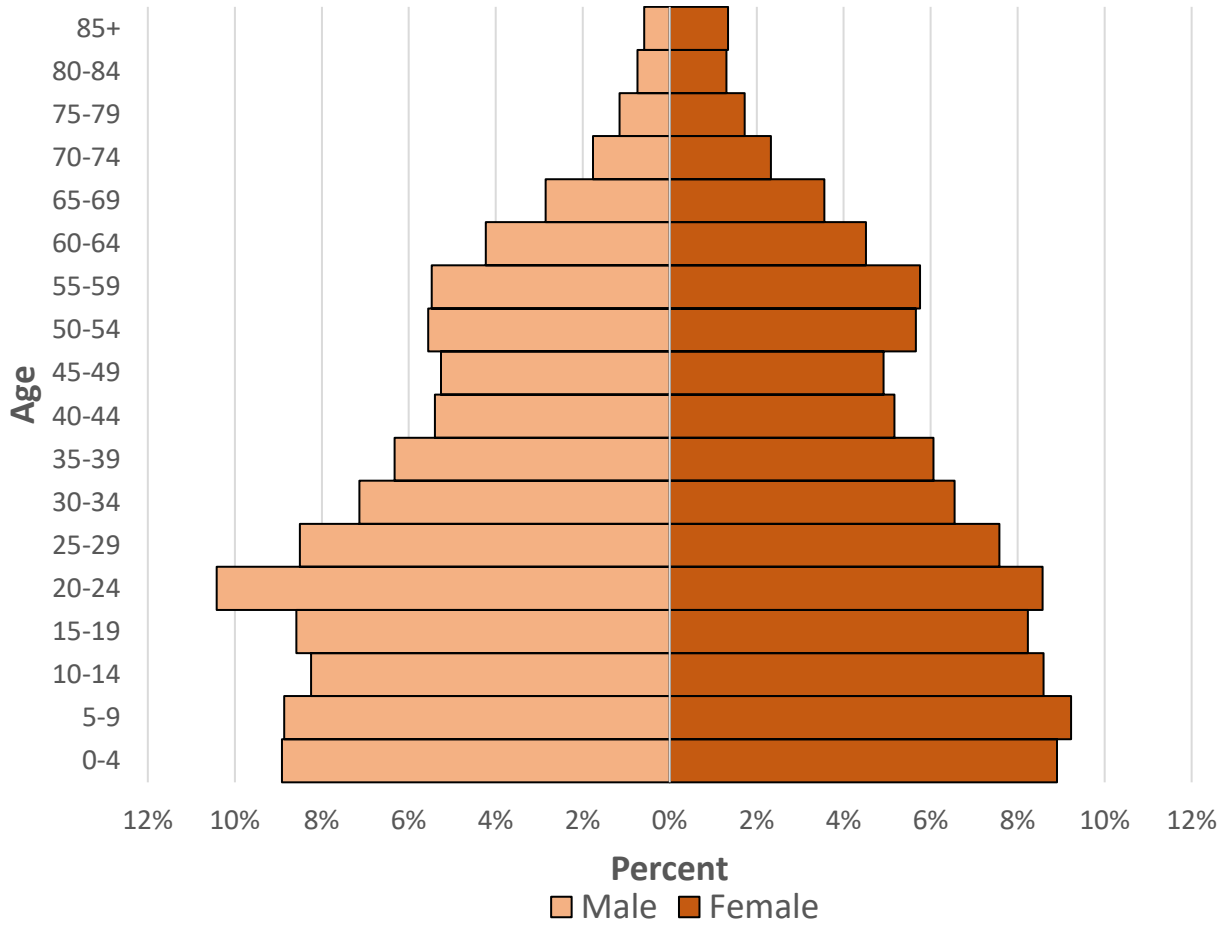
Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 9c. Age Distribution for All Minorities by Gender in Kansas, 2016



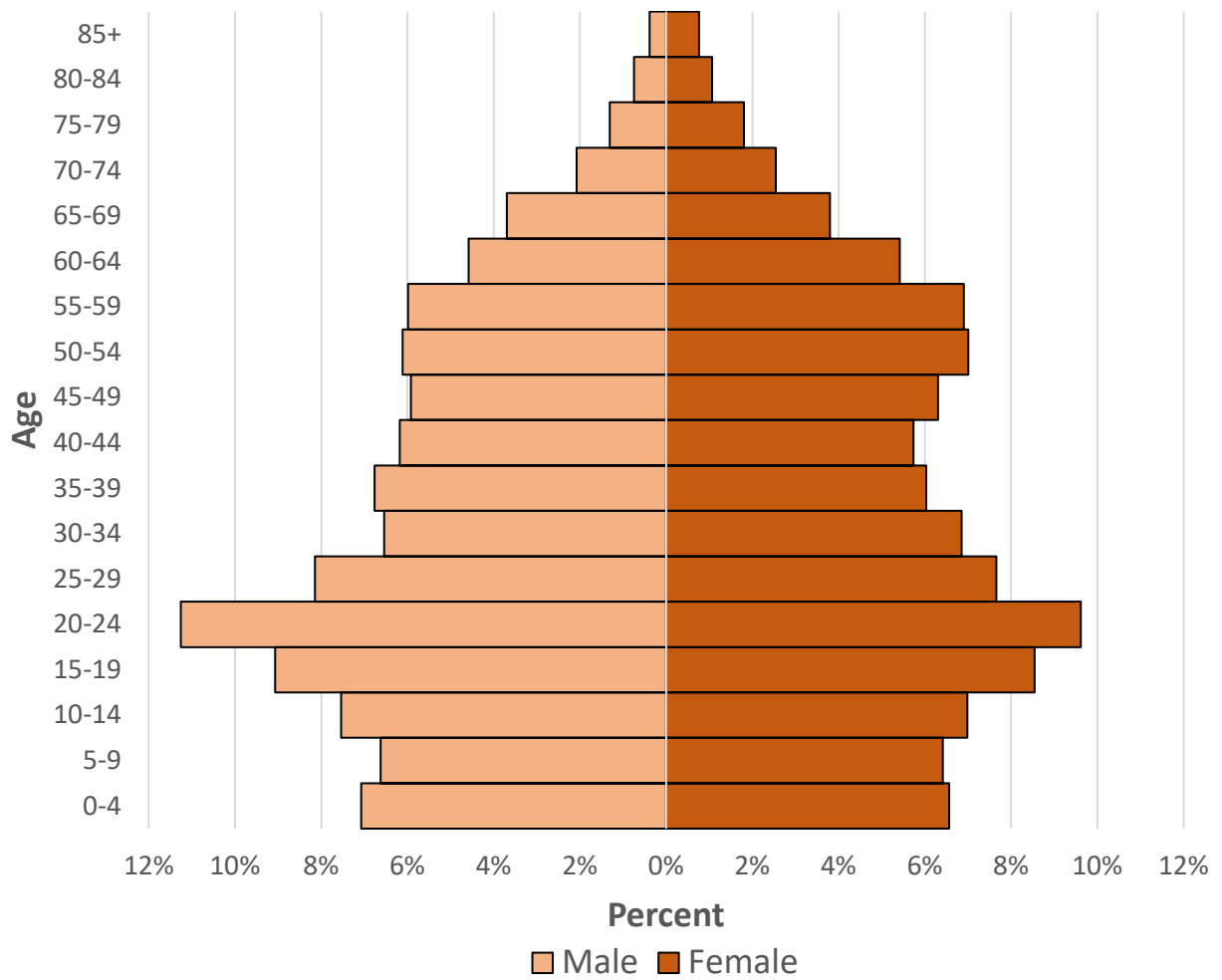
Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 9d. Age Distribution for non-Hispanic African Americans by Gender in Kansas, 2016



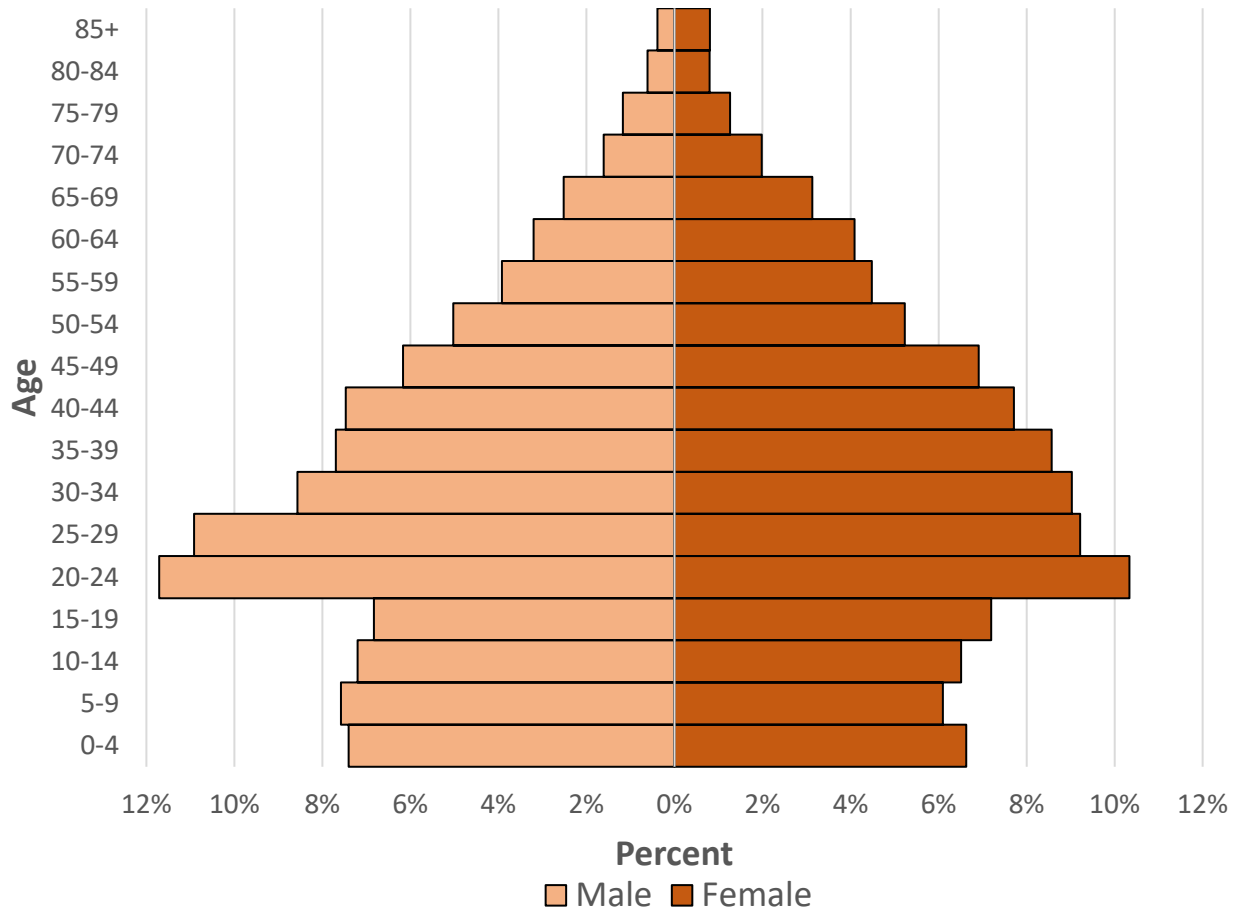
Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 9e. Age Distribution for non-Hispanic American Indian/Alaska Natives by Gender in Kansas, 2016



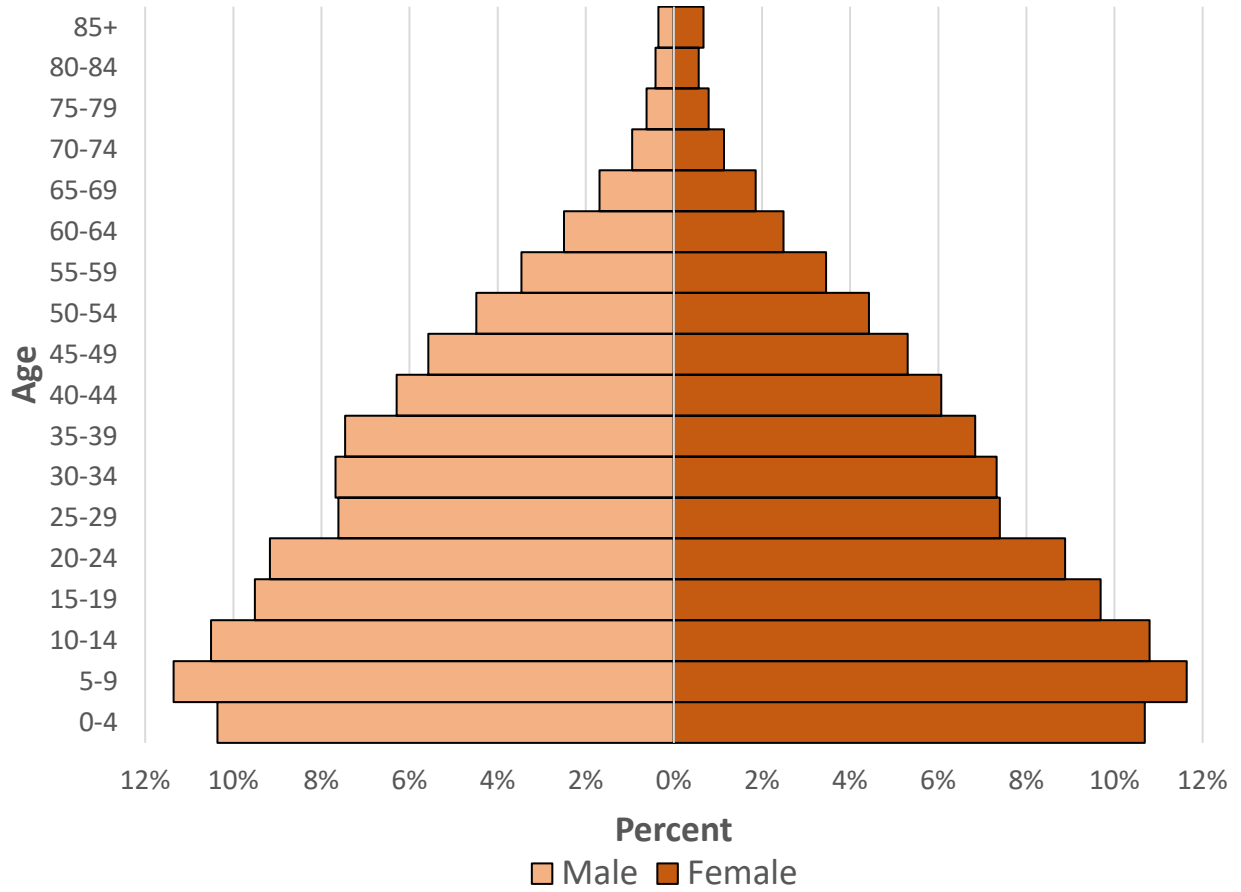
Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 9f. Age Distribution for non-Hispanic Asian/Pacific Islanders by Gender in Kansas, 2016



Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Figure 9g. Age Distribution for Hispanics by Gender in Kansas, 2016



Note: Hispanics are of any race.

Source: KHI analysis of data from the National Center for Health Statistics' Vintage 2016 Bridged-race postcensal population estimates.

Education

In this section, the education metrics for Kansas are examined to understand how education differs across populations in Kansas. The Kansas population is examined using two different classifications for race and ethnicity depending on available data: population groups and race/ethnicity (*Technical Notes, Appendix H*).

The section begins with an examination of the education levels of Kansas adults age 25 years and older for 2015. The education of these Kansans is examined both for those with less than a high school education and those with a college degree or higher (bachelor's degree, graduate degree or professional degree). Education is explored for All Kansans in addition to population groups, and for the state of Kansas and across geographic areas based on population density.

Next, the education of resident mothers with less than a high school education is examined for Kansas by race/ethnicity and geographic area (See Population Density in *Technical Notes, Appendix H*) across three five-year periods.

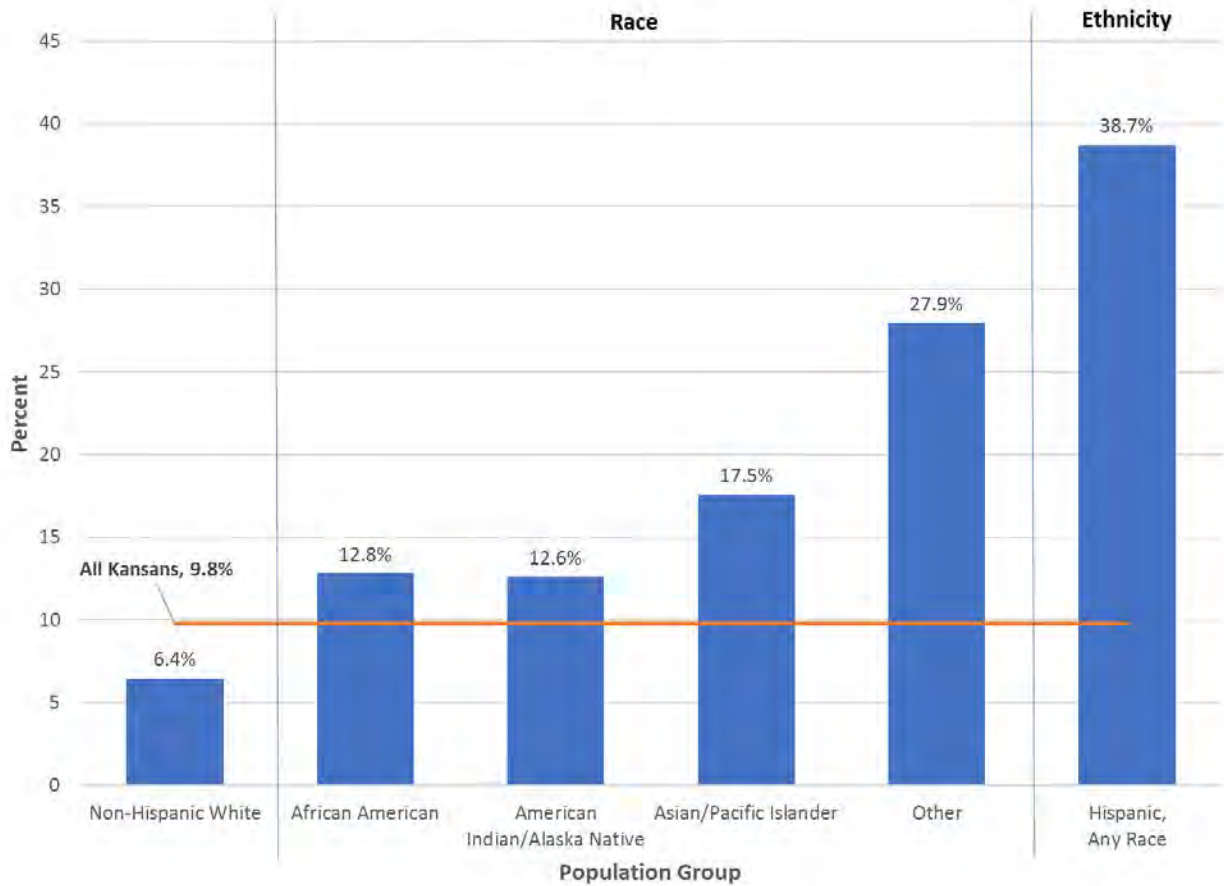
Figure 10a. Counts and Percentages of Adults Age 25 Years and Older with Less Than High School Education by Population Group and Population Density in Kansas, 2015

| Geographic Area | All Kansans | | Non-Hispanic White | | African American | | American Indian/Alaska Native | | Asian/Pacific Islander | | Other | | Hispanic, Any Race | |
|-----------------|-------------|-------|--------------------|------|------------------|-------|-------------------------------|-------|------------------------|-------|--------|-------|--------------------|-------|
| | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| Kansas | 182,906 | 9.8% | 98,328 | 6.4% | 12,680 | 12.8% | 1,795 | 12.6% | 8,448 | 17.5% | 19,179 | 27.9% | 59,834 | 38.7% |
| Frontier | 8,348 | 10.6% | 5,795 | 8.1% | 46 | 10.2% | 73 | 15.9% | 36 | 9.8% | 936 | 38.1% | 2,308 | 47.8% |
| Rural | 17,294 | 10.7% | 13,147 | 8.9% | 260 | 21.7% | 270 | 18.4% | 107 | 17.7% | 1,515 | 35.2% | 3,390 | 43.0% |
| Dense Rural | 40,480 | 13.3% | 20,638 | 8.1% | 1,269 | 24.9% | 406 | 12.7% | 1,111 | 33.4% | 5,809 | 39.5% | 16,789 | 47.7% |
| Semi-Urban | 24,976 | 8.7% | 17,996 | 7.2% | 1,207 | 11.2% | 249 | 12.0% | 756 | 14.8% | 1,756 | 19.8% | 4,472 | 27.6% |
| Urban | 91,808 | 8.8% | 40,752 | 5.1% | 9,898 | 12.1% | 797 | 11.2% | 6,438 | 16.6% | 9,163 | 23.9% | 32,875 | 36.3% |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for the population with less than a high school education. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimates.

Figure 10b. Percent of Adults Age 25 Years and Older with Less Than High School Education by Population Group in Kansas, 2015



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for the population with less than a high school education. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimates.

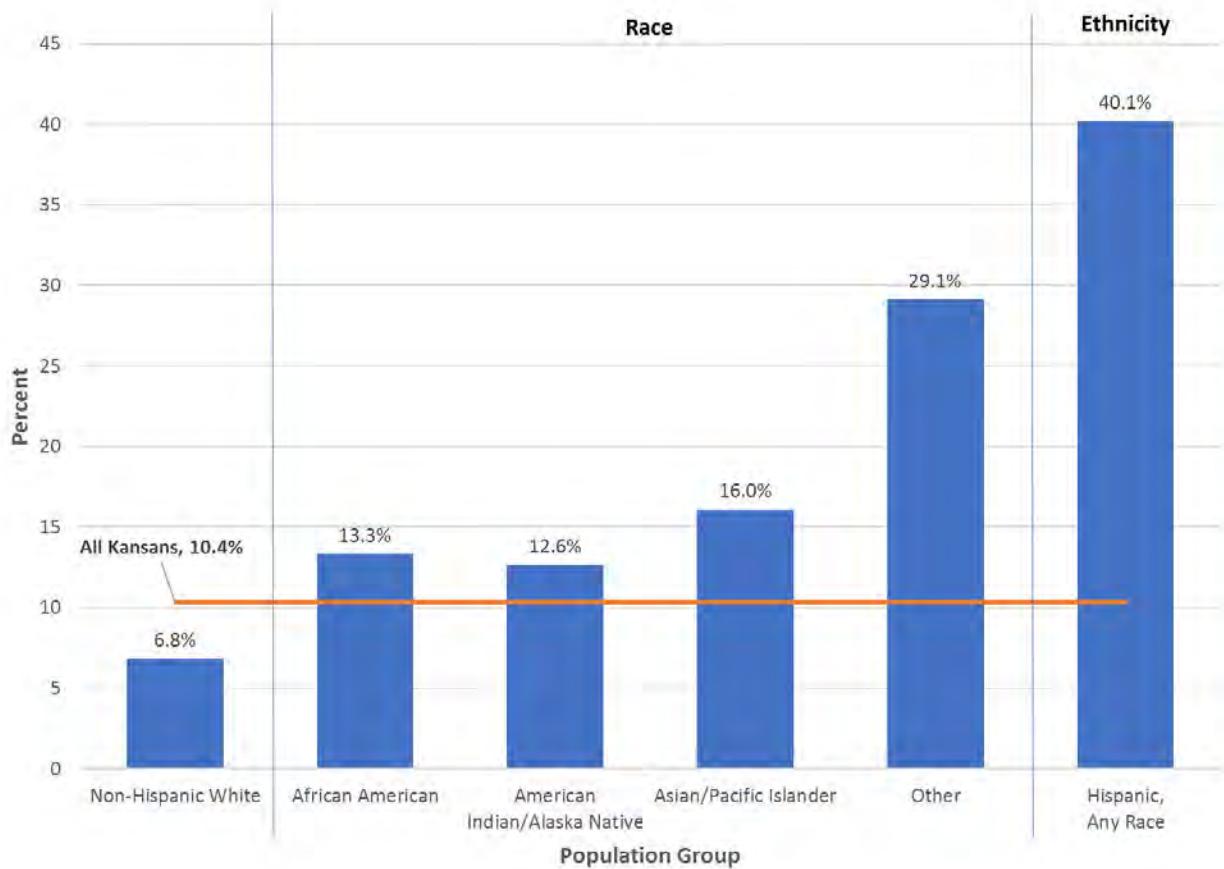
Figure 11a. Counts and Percentages of Males Age 25 Years and Older with Less Than High School Education by Population Group and Population Density in Kansas, 2015

| Geographic Area | All Kansans | | Non-Hispanic White | | African American | | American Indian/Alaska Native | | Asian/Pacific Islander | | Other | | Hispanic, Any Race | |
|-----------------|-------------|-------|--------------------|------|------------------|-------|-------------------------------|-------|------------------------|-------|--------|-------|--------------------|-------|
| | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| Kansas | 94,626 | 10.4% | 49,968 | 6.8% | 6,620 | 13.3% | 887 | 12.6% | 3,618 | 16.0% | 10,430 | 29.1% | 32,583 | 40.1% |
| Frontier | 4,548 | 11.7% | 3,176 | 9.0% | 22 | 7.3% | 55 | 21.8% | 14 | 10.4% | 511 | 37.9% | 1,229 | 48.3% |
| Rural | 9,289 | 11.6% | 6,986 | 9.6% | 213 | 23.9% | 158 | 23.3% | 63 | 28.8% | 720 | 30.3% | 1,827 | 43.3% |
| Dense Rural | 21,053 | 14.1% | 10,379 | 8.5% | 713 | 25.0% | 183 | 11.1% | 574 | 36.0% | 3,302 | 42.3% | 9,103 | 48.8% |
| Semi-Urban | 12,895 | 9.1% | 8,934 | 7.4% | 672 | 10.7% | 98 | 8.9% | 305 | 13.6% | 947 | 21.7% | 2,730 | 31.7% |
| Urban | 46,841 | 9.3% | 20,493 | 5.3% | 5,000 | 12.6% | 393 | 11.7% | 2,662 | 14.4% | 4,950 | 24.8% | 17,694 | 37.5% |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for the population with less than a high school education. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimates.

Figure 11b. Percent of Males Age 25 Years and Older with Less Than High School Education by Population Group in Kansas, 2015



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for the population with less than a high school education. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimates.

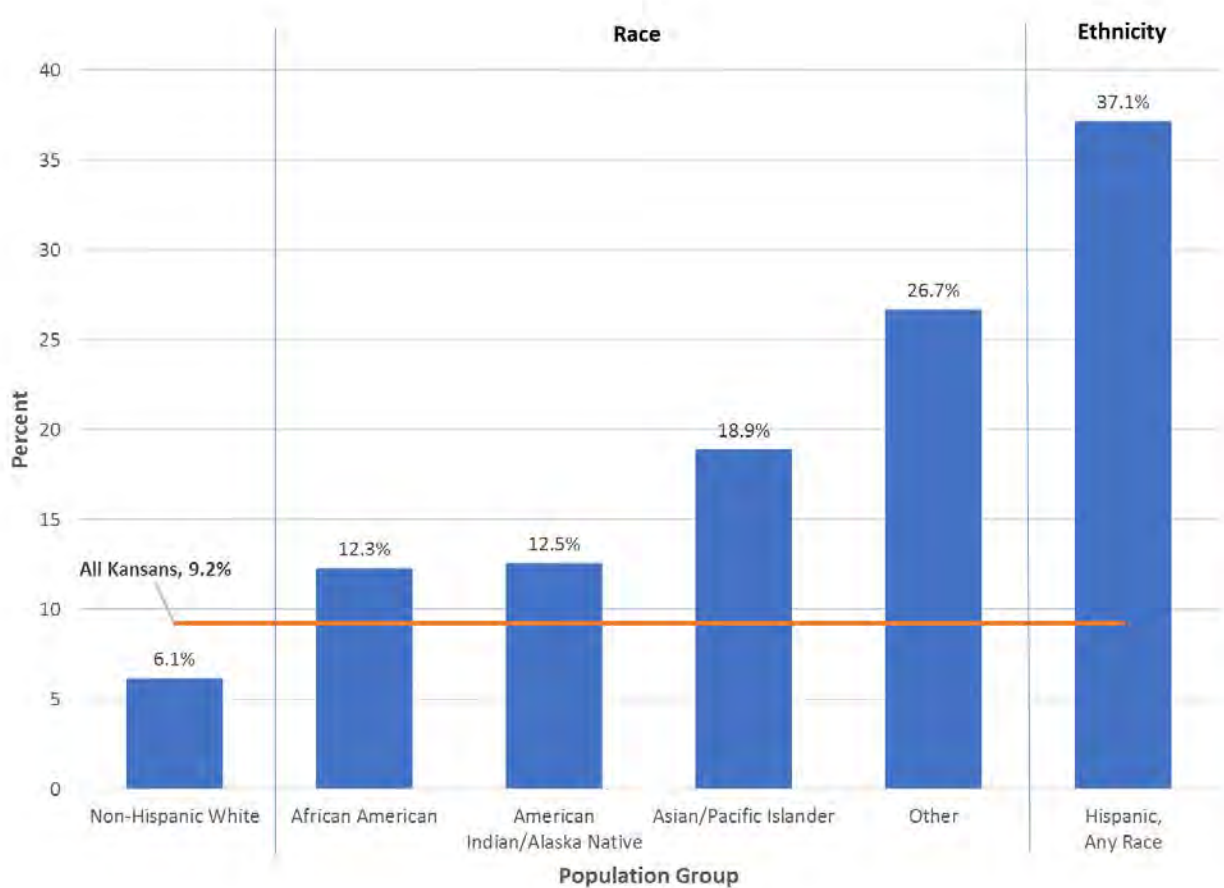
Figure 12a. Counts and Percentages of Females Age 25 Years and Older with Less Than High School Education by Population Group and Population Density in Kansas, 2015

| Geographic Area | All Kansans | | Non-Hispanic White | | African American | | American Indian/Alaska Native | | Asian/Pacific Islander | | Other | | Hispanic, Any Race | |
|-----------------|-------------|-------|--------------------|------|------------------|-------|-------------------------------|-------|------------------------|-------|-------|-------|--------------------|-------|
| | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| Kansas | 88,280 | 9.2% | 48,360 | 6.1% | 6,060 | 12.3% | 908 | 12.5% | 4,830 | 18.9% | 8,749 | 26.7% | 27,251 | 37.1% |
| Frontier | 3,800 | 9.5% | 2,619 | 7.2% | 24 | 15.8% | 18 | 8.7% | 22 | 9.5% | 425 | 38.4% | 1,079 | 47.2% |
| Rural | 8,005 | 9.9% | 6,161 | 8.2% | 47 | 15.3% | 112 | 14.2% | 44 | 11.4% | 795 | 41.3% | 1,563 | 42.6% |
| Dense Rural | 19,427 | 12.6% | 10,259 | 7.9% | 556 | 24.6% | 223 | 14.4% | 537 | 31.0% | 2,507 | 36.4% | 7,686 | 46.5% |
| Semi-Urban | 12,081 | 8.3% | 9,062 | 7.1% | 535 | 12.1% | 151 | 15.6% | 451 | 15.7% | 809 | 18.0% | 1,742 | 23.0% |
| Urban | 44,967 | 8.4% | 20,259 | 4.8% | 4,898 | 11.6% | 404 | 10.8% | 3,776 | 18.5% | 4,213 | 22.9% | 15,181 | 35.0% |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for the population with less than a high school education. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimates.

Figure 12b. Percent of Females Age 25 Years and Older with Less Than High School Education by Population Group in Kansas, 2015



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for the population with less than a high school education. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimates.

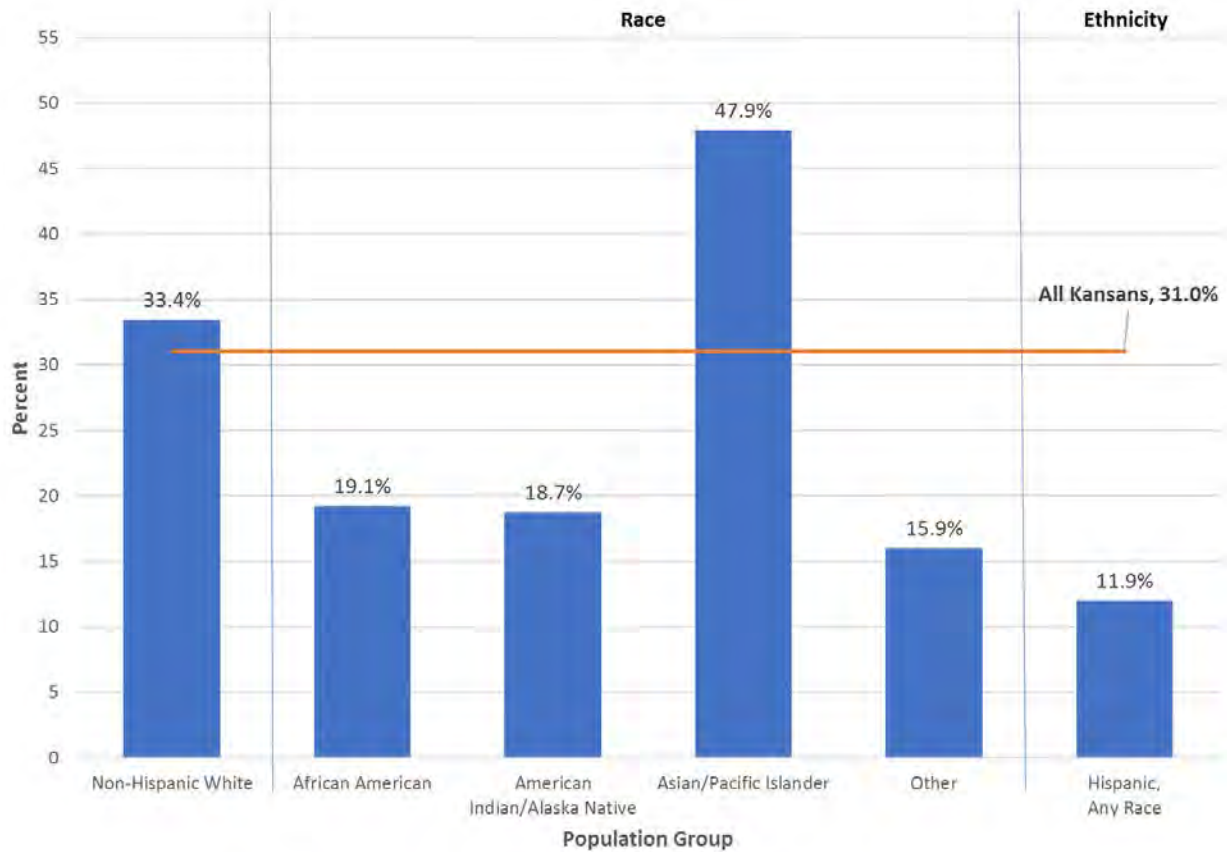
Figure 13a. Counts and Percentages of Adults Age 25 Years and Older with College Education by Population Group and Population Density in Kansas, 2015

| Geographic Area | All Kansans | | Non-Hispanic White | | African American | | American Indian/Alaska Native | | Asian/Pacific Islander | | Other | | Hispanic, Any Race | |
|-----------------|-------------|-------|--------------------|-------|------------------|-------|-------------------------------|-------|------------------------|-------|--------|-------|--------------------|-------|
| | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| Kansas | 580,214 | 31.0% | 509,874 | 33.4% | 19,017 | 19.1% | 2,671 | 18.7% | 23,085 | 47.9% | 10,942 | 15.9% | 18,456 | 11.9% |
| Frontier | 16,080 | 20.4% | 15,284 | 21.3% | 57 | 12.6% | 98 | 21.4% | 154 | 42.1% | 207 | 8.4% | 337 | 7.0% |
| Rural | 32,578 | 20.2% | 31,186 | 21.0% | 144 | 12.0% | 211 | 14.4% | 208 | 34.4% | 381 | 8.9% | 545 | 6.9% |
| Dense Rural | 63,657 | 21.0% | 58,346 | 23.0% | 576 | 11.3% | 602 | 18.9% | 995 | 29.9% | 1,187 | 8.1% | 2,437 | 6.9% |
| Semi-Urban | 75,254 | 26.2% | 67,591 | 27.2% | 2,078 | 19.4% | 360 | 17.4% | 2,289 | 44.8% | 1,458 | 16.5% | 1,927 | 11.9% |
| Urban | 392,645 | 37.8% | 337,467 | 41.9% | 16,162 | 19.8% | 1,400 | 19.7% | 19,439 | 50.1% | 7,709 | 20.1% | 13,210 | 14.6% |

Note: “All Kansans” in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for the population with a bachelor’s degree, graduate degree or professional degree. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau’s American Community Survey 2015 (2011-2015) 5-Year Estimates.

Figure 13b. Percent of Adults Age 25 Years and Older with College Education by Population Group in Kansas, 2015



Note: “All Kansans” in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for the population with a bachelor’s degree, graduate degree or professional degree. Percentages will not sum to 100 percent when combined. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau’s American Community Survey 2015 (2011-2015) 5-Year Estimate.

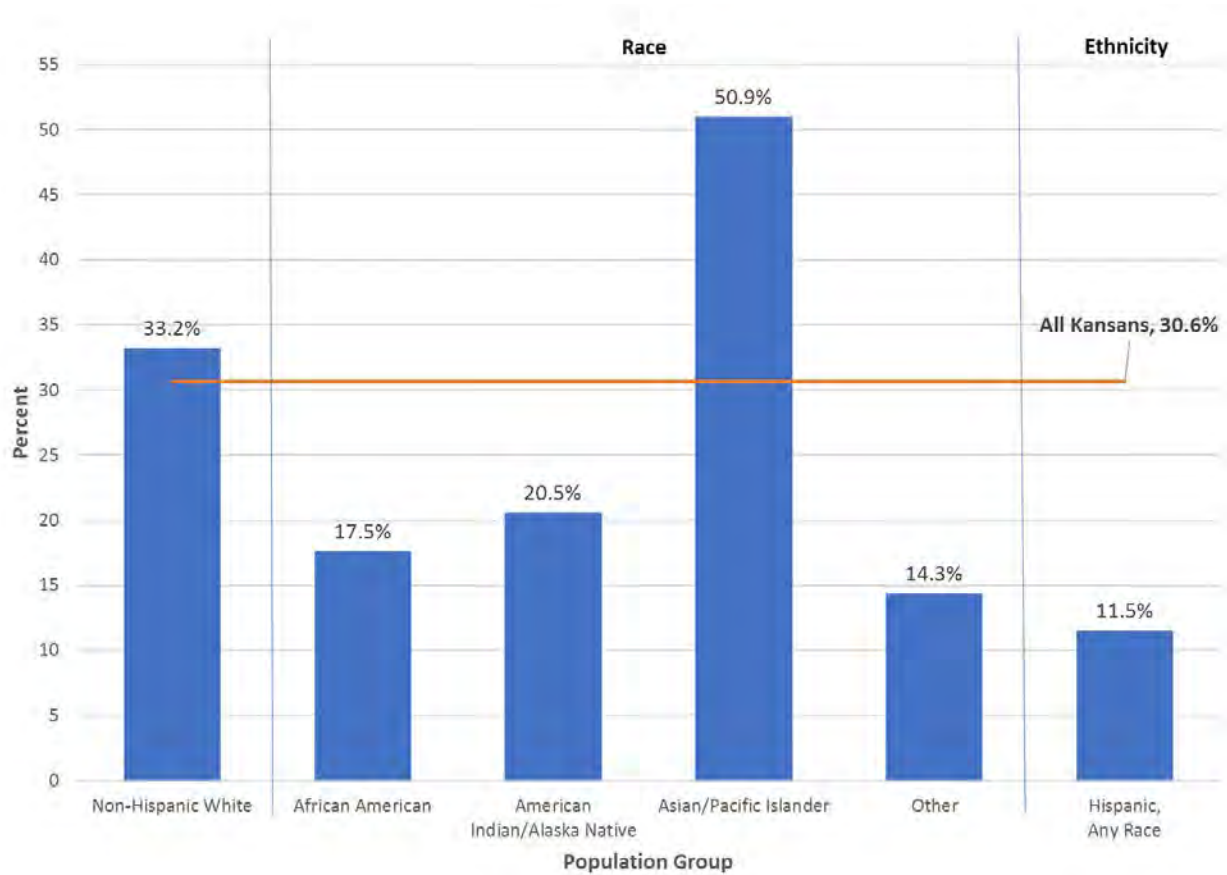
Figure 14a. Counts and Percentages of Males Age 25 Years and Older with College Education by Population Group and Population Density in Kansas, 2015

| Geographic Area | All Kansans | | Non-Hispanic White | | African American | | American Indian/ Alaska Native | | Asian/ Pacific Islander | | Other | | Hispanic, Any Race | |
|-----------------|-------------|-------|--------------------|-------|------------------|-------|-----------------------------------|-------|----------------------------|-------|-------|-------|-----------------------|-------|
| | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| Kansas | 279,667 | 30.6% | 245,292 | 33.2% | 8,748 | 17.5% | 1,444 | 20.5% | 11,521 | 50.9% | 5,141 | 14.3% | 9,330 | 11.5% |
| Frontier | 7,592 | 19.5% | 7,180 | 20.4% | 41 | 13.7% | 46 | 18.3% | 56 | 41.5% | 106 | 7.9% | 188 | 7.4% |
| Rural | 14,993 | 18.8% | 14,394 | 19.7% | 64 | 7.2% | 112 | 16.5% | 47 | 21.5% | 204 | 8.6% | 225 | 5.3% |
| Dense Rural | 29,428 | 19.7% | 26,715 | 21.8% | 269 | 9.4% | 381 | 23.1% | 428 | 26.8% | 472 | 6.0% | 1,375 | 7.4% |
| Semi-Urban | 36,166 | 25.6% | 32,397 | 26.8% | 1,087 | 17.3% | 165 | 15.0% | 1,011 | 45.2% | 736 | 16.9% | 981 | 11.4% |
| Urban | 191,488 | 38.0% | 164,606 | 42.5% | 7,287 | 18.4% | 740 | 22.0% | 9,979 | 54.1% | 3,623 | 18.1% | 6,561 | 13.9% |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for the population with bachelor's degree, graduate degree or professional degree. Percentages will not sum to 100 percent when combined. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimate.

Figure 14b. Percent of Males Age 25 Years and Older with College Education by Population Group in Kansas, 2015



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for the population with bachelor's degree, graduate degree or professional degree. Percentages will not sum to 100 percent when combined. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimate.

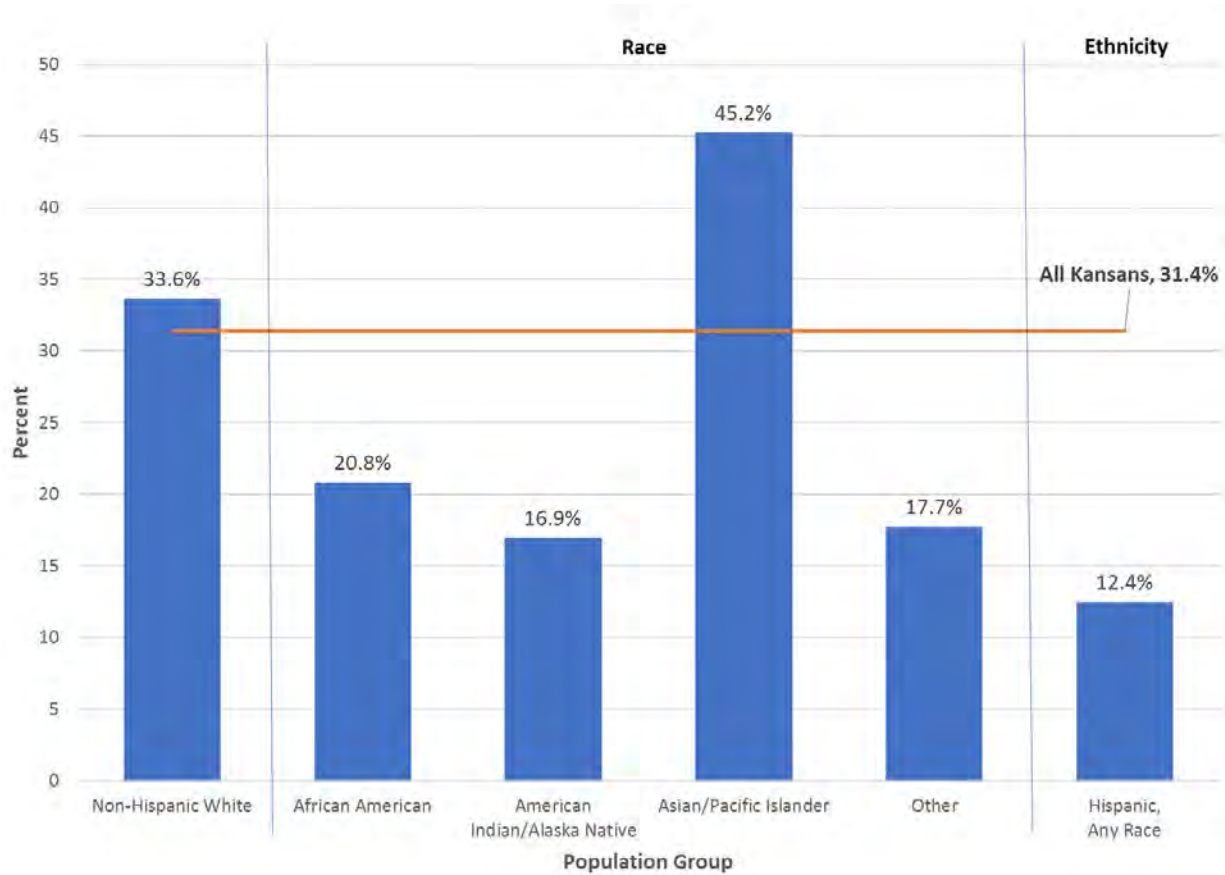
Figure 15a. Counts and Percentages of Females Age 25 Years and Older with College Education by Population Group and Population Density in Kansas, 2015

| Geographic Area | All Kansans | | Non-Hispanic White | | African American | | American Indian/Alaska Native | | Asian/Pacific Islander | | Other | | Hispanic, Any Race | |
|-----------------|-------------|-------|--------------------|-------|------------------|-------|-------------------------------|-------|------------------------|-------|-------|-------|--------------------|-------|
| | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| Kansas | 300,547 | 31.4% | 264,582 | 33.6% | 10,269 | 20.8% | 1,227 | 16.9% | 11,564 | 45.2% | 5,801 | 17.7% | 9,126 | 12.4% |
| Frontier | 8,488 | 21.3% | 8,104 | 22.2% | 16 | 10.5% | 52 | 25.1% | 98 | 42.4% | 101 | 9.1% | 149 | 6.5% |
| Rural | 17,585 | 21.7% | 16,792 | 22.3% | 80 | 26.1% | 99 | 12.6% | 161 | 41.7% | 177 | 9.2% | 320 | 8.7% |
| Dense Rural | 34,229 | 22.1% | 31,631 | 24.2% | 307 | 13.6% | 221 | 14.3% | 567 | 32.7% | 715 | 10.4% | 1,062 | 6.4% |
| Semi-Urban | 39,088 | 26.8% | 35,194 | 27.5% | 991 | 22.3% | 195 | 20.1% | 1,278 | 44.5% | 722 | 16.1% | 946 | 12.5% |
| Urban | 201,157 | 37.6% | 172,861 | 41.4% | 8,875 | 21.0% | 660 | 17.6% | 9,460 | 46.4% | 4,086 | 22.2% | 6,649 | 15.3% |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for the population with bachelor's degree, graduate degree or professional degree. Percentages will not sum to 100 percent when combined. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimate.

Figure 15b. Percent of Females Age 25 Years and Older with College Education by Population Group in Kansas, 2015



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for the population with bachelor's degree, graduate degree or professional degree. Percentages will not sum to 100 percent when combined. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimate.

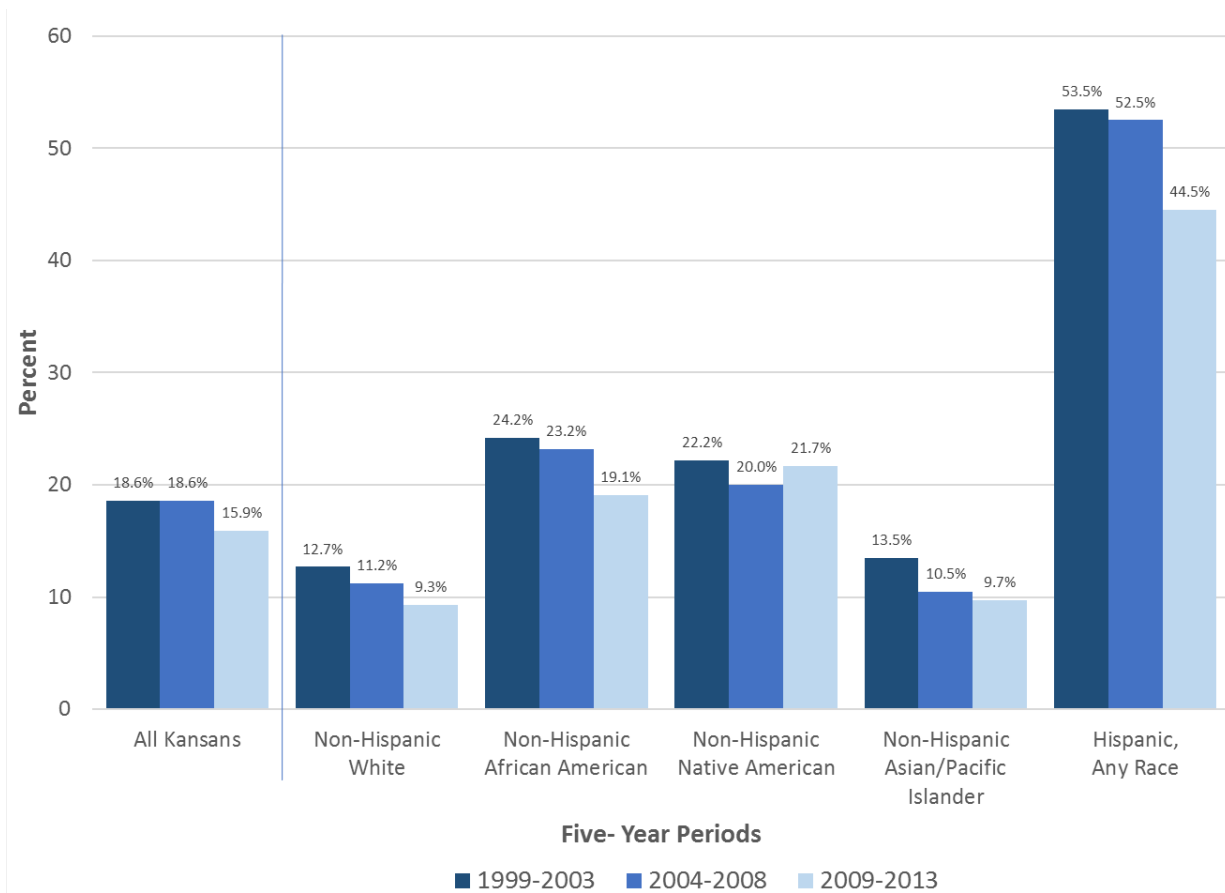
Figure 16a. Counts and Percentages of Births to Mothers with Less than High School Education by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|-------|--------------------|-------|-------------------------------|-------|--|-------|-------------------------------------|-------|--------------------|-------|
| | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| 1999-2003 | 36,290 | 18.6% | 18,909 | 12.7% | 3,367 | 24.2% | 456 | 22.2% | 714 | 13.5% | 12,767 | 53.5% |
| 2004-2008 | 37,498 | 18.6% | 16,415 | 11.2% | 3,238 | 23.2% | 320 | 20.0% | 595 | 10.5% | 16,355 | 52.5% |
| 2009-2013 | 31,678 | 15.9% | 13,325 | 9.3% | 2,575 | 19.1% | 226 | 21.7% | 567 | 9.7% | 14,074 | 44.5% |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Represents births to mothers who are Kansas residents. Births can occur in other states but are reported based on the residence of the mother. Rates are for three five-year periods. Rates for Other non-Hispanic birth counts are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 16b. Percent of Births to Mothers with Less than High School Education by Race/Ethnicity in Kansas, 1999-2013



Note: “All Kansans” in this figure refers to all Kansans in the subpopulation described in the title of the figure. Represents births to mothers who are Kansas residents. Births can occur in other states but are reported based on the residence of the mother. Rates are for three five-year periods. Rates for Other non-Hispanic birth counts are not included as a separate category due to the used of bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

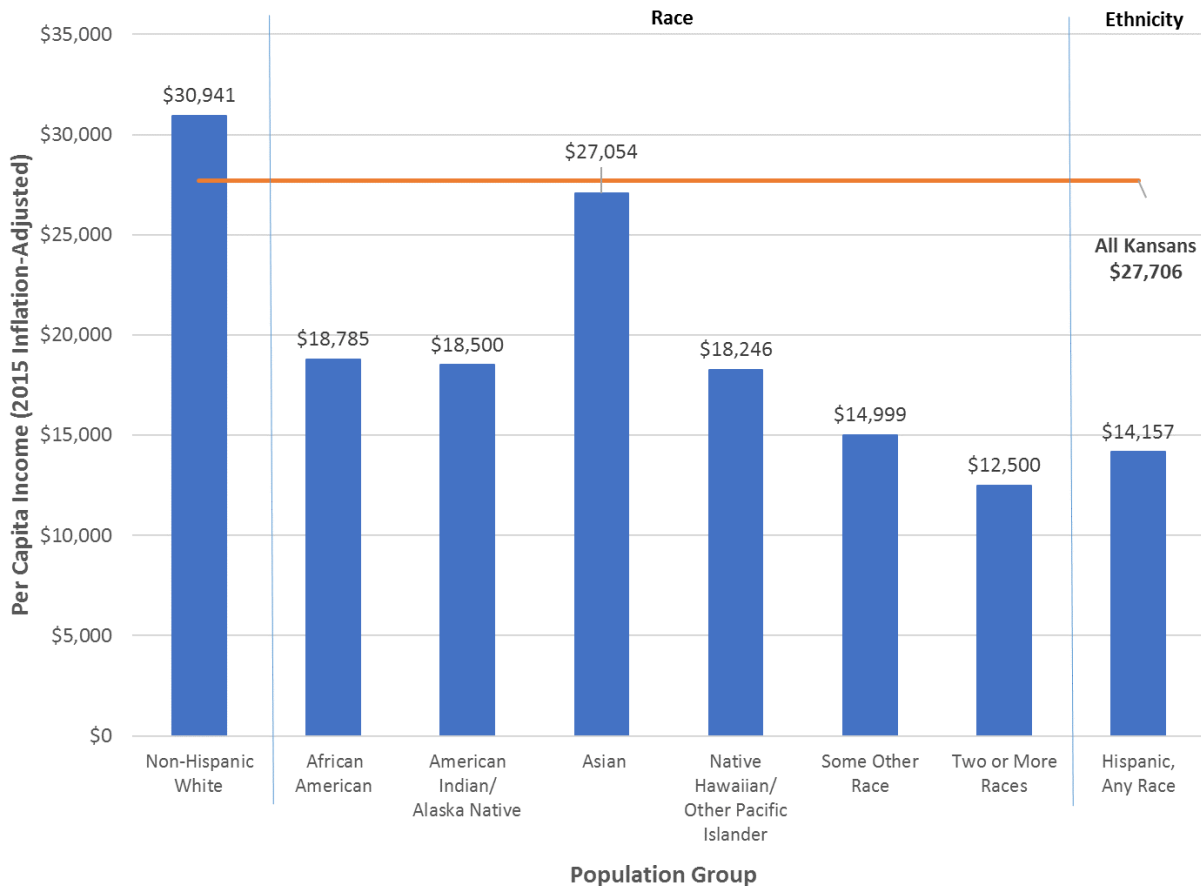
Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Income, Employment and Insurance

In this section, metrics for income, employment and insurance status in Kansas are presented. The Kansas population is examined based on population group and race/ethnicity (*Technical Notes, Appendix H*).

The section begins with per capita income and household income by population group in 2015. Next, insurance status and unemployment are presented. Finally, poverty status by population group is presented for 2015.

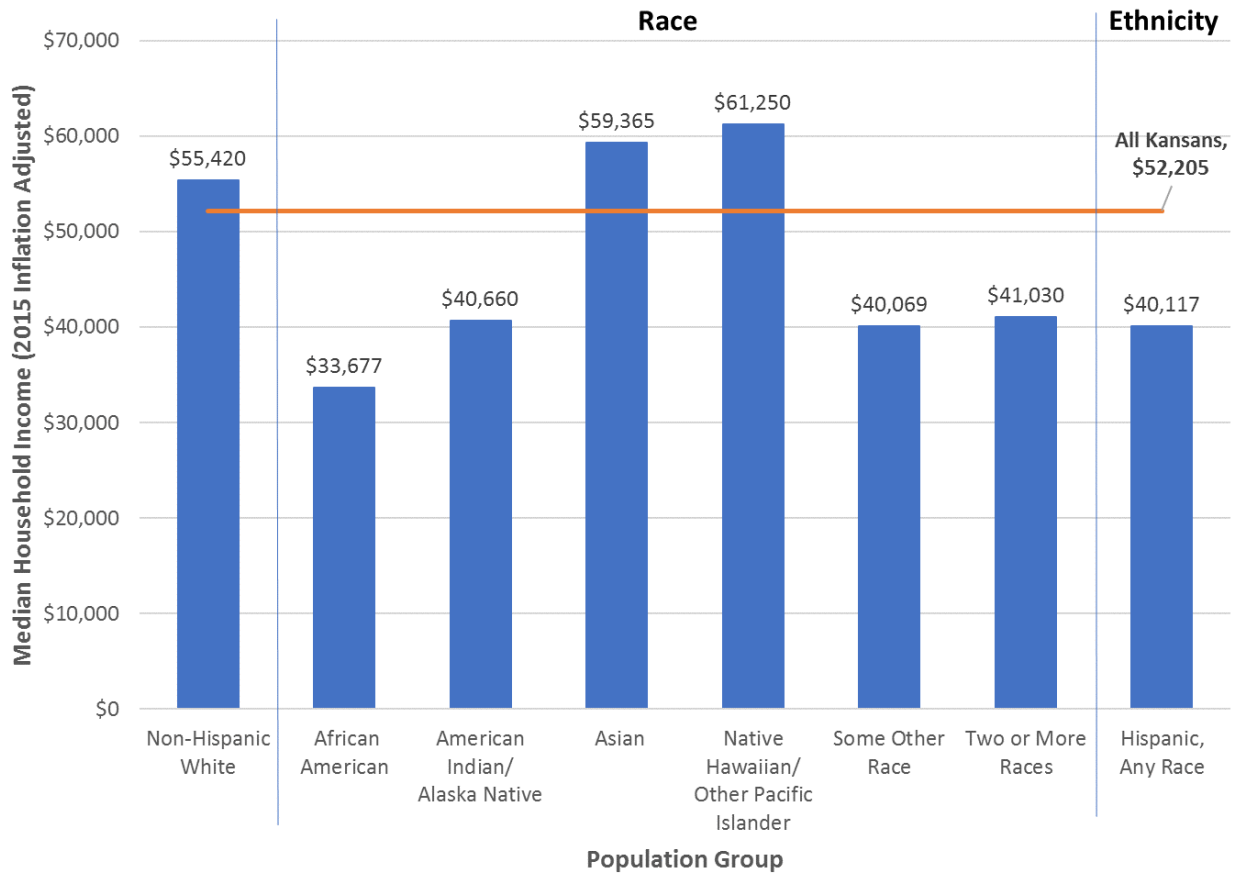
Figure 17. Per Capita Income by Population Group in Kansas, 2015



Note: African American, American Indian/Alaska Native, Asian/Pacific Islander, Some Other Race and Two or More Races are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimates.

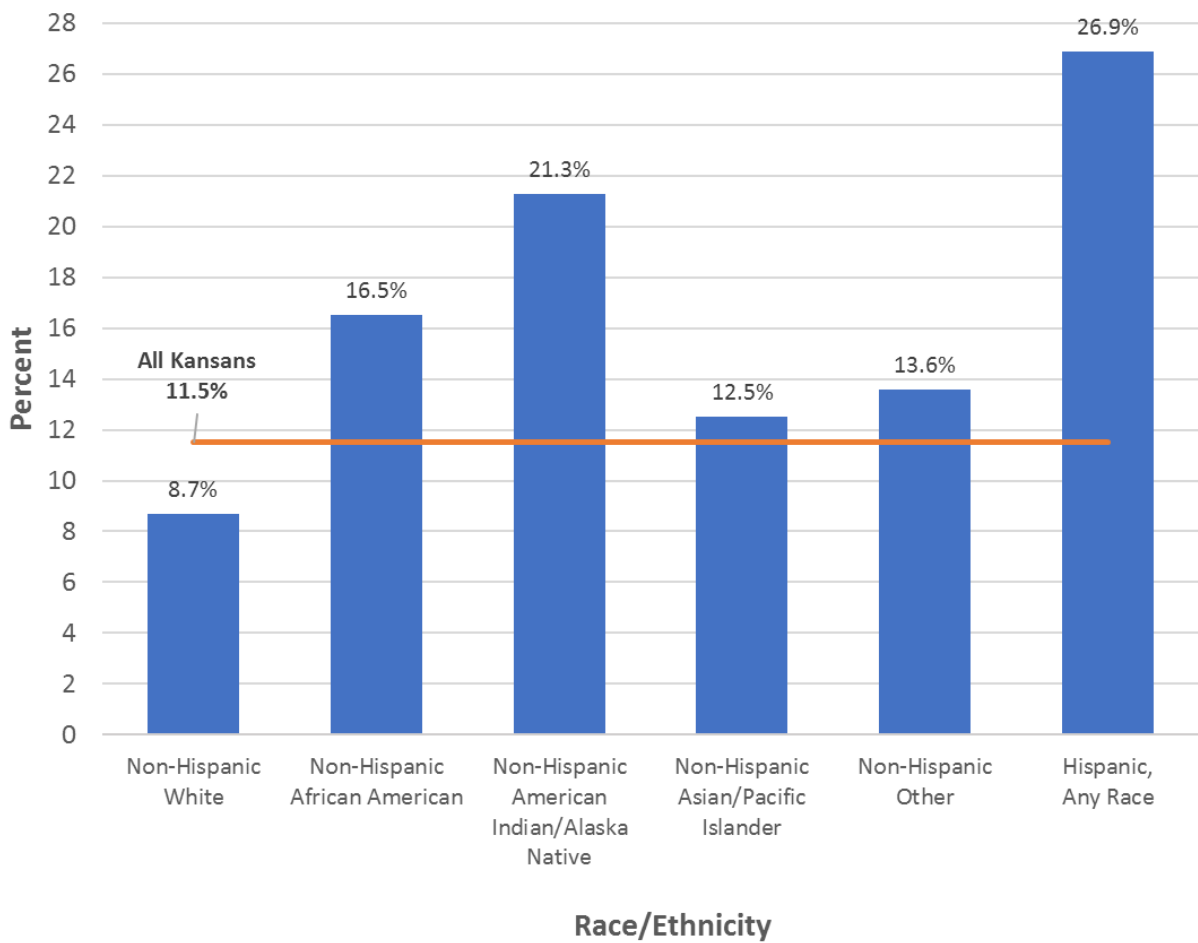
Figure 18. Median Household Income by Population Group in Kansas, 2015



Note: African American, American Indian/Alaska Native, Asian/Pacific Islander, Some Other Race and Two or More Races are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimates.

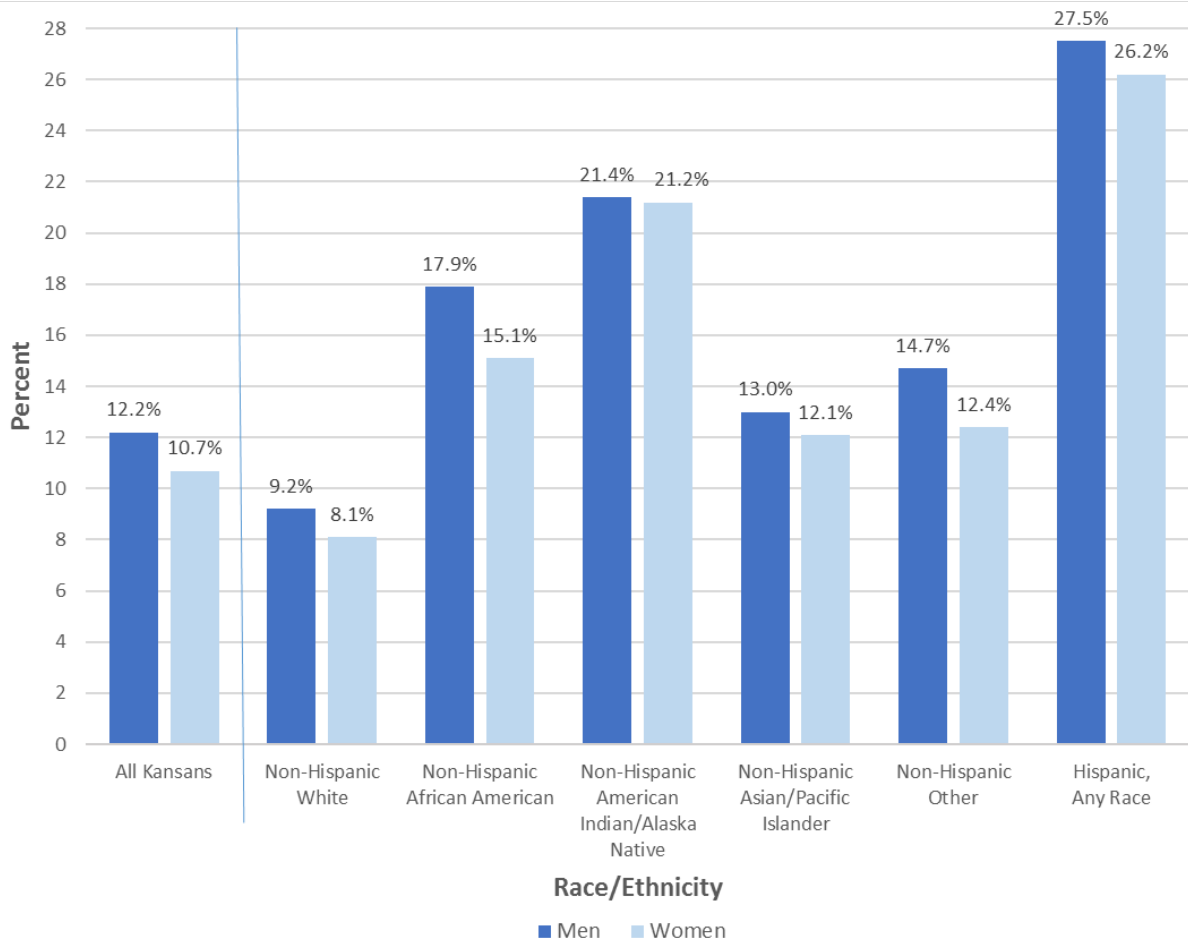
Figure 19a. Percent Uninsured by Race/Ethnicity in Kansas, 2015



Note: Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey Public Use Microdata Sample 2015 (2011-2015) 5-Year Estimates.

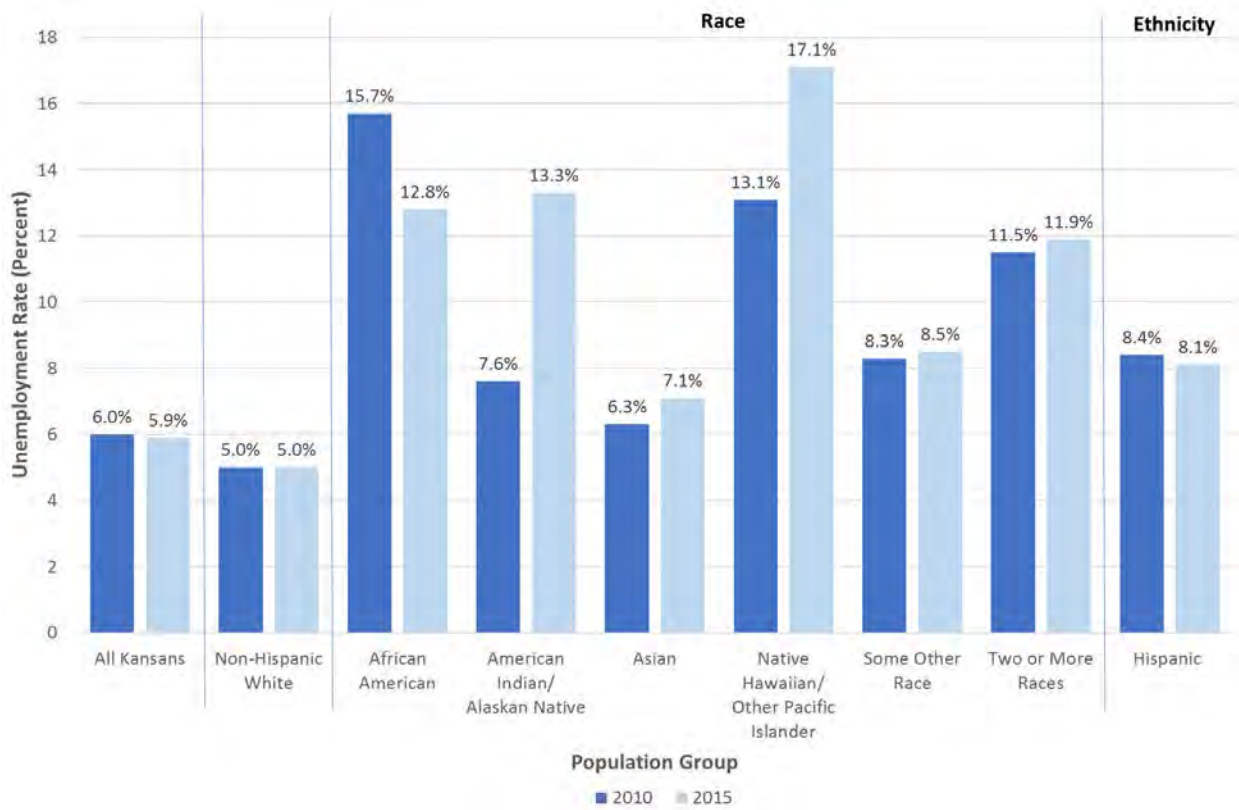
Figure 19b. Percent of Population without Health Insurance by Race/Ethnicity and Gender in Kansas, 2015



Note: Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey Public Use Microdata Sample 2015 (2011-2015) 5-Year Estimates.

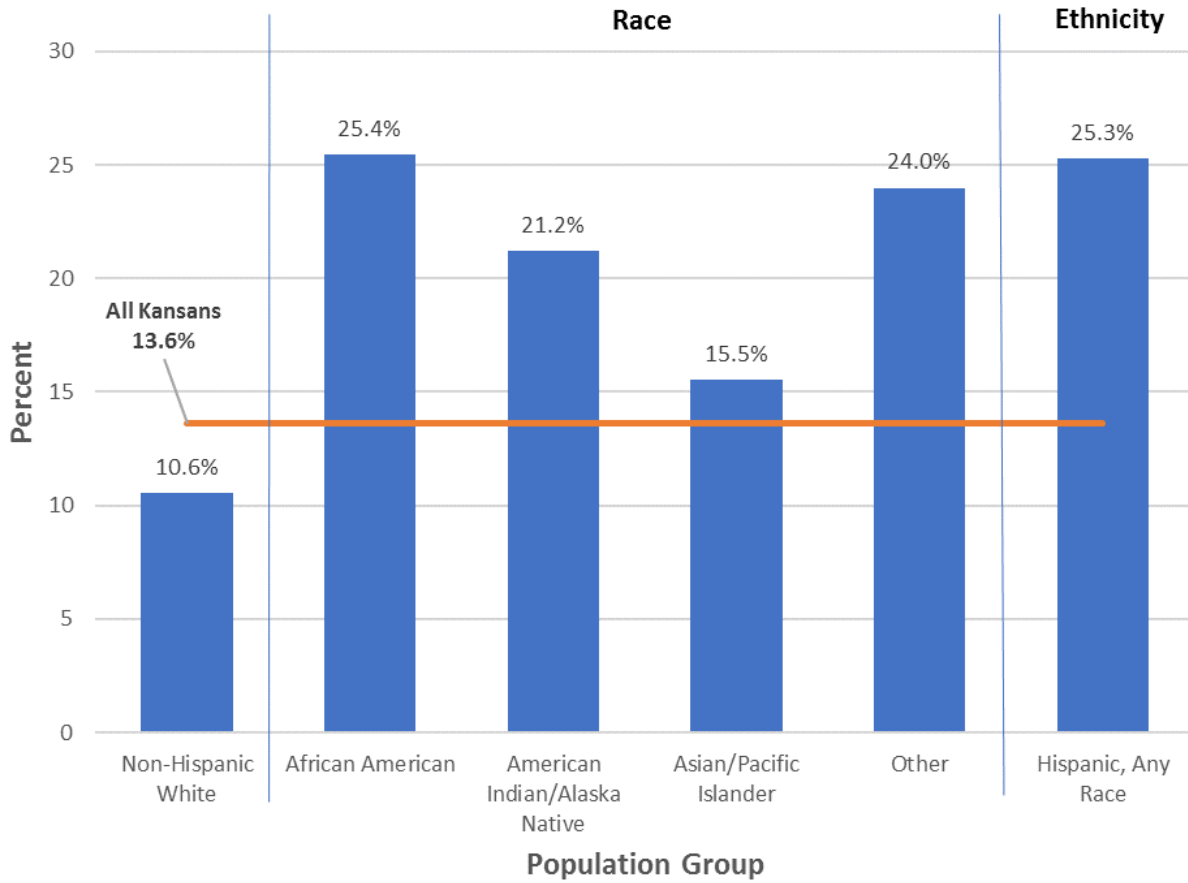
Figure 20. Unemployment Rate by Population Group in Kansas, 2010 and 2015



Note: African American, American Indian/Alaska Native, Asian/Pacific Islander, and Some Other Race and Two or More Races are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey (ACS) 2010 (2006-2010) 5-Year Estimates and the U.S. Census Bureau's ACS 2015 (2011-2015) 5-Year Estimates.

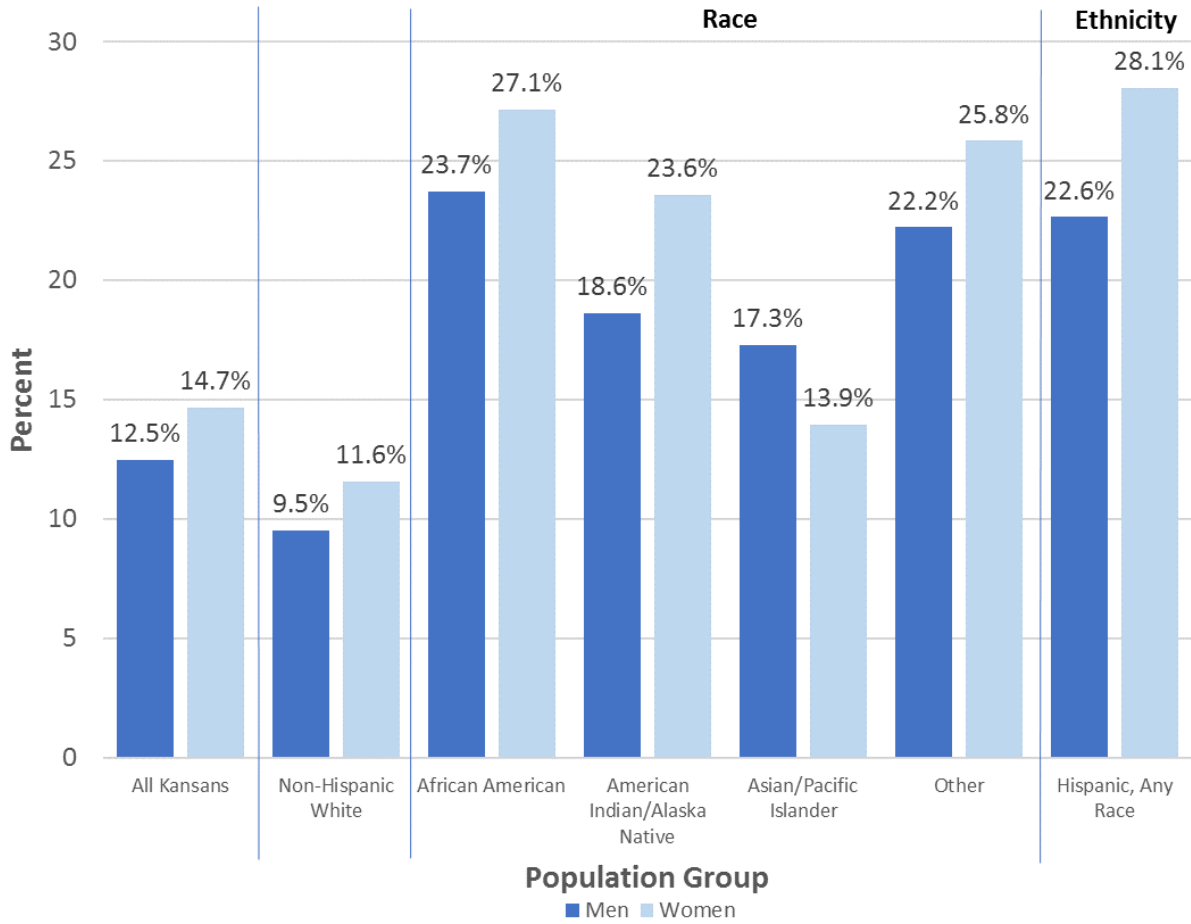
Figure 21a. Percent in Poverty by Population Group in Kansas, 2015



Note: African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimates.

Figure 21b. Percent in Poverty by Population Group and Gender in Kansas, 2015



Note: African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimates.

Housing and Household Characteristics

In this section, housing and housing characteristics in Kansas are presented to show how patterns of housing and related issues differ across populations in Kansas. The Kansas population is examined based on population group and race/ethnicity (*Technical Notes, Appendix H*).

The section begins with an examination of housing characteristics related to average household size, tenure, and rental and homeowner costs. This is followed by measures of occupancy, households lacking a vehicle, households lacking telephone service, and single-parent family households. Finally, households with limited-English speaking are presented.

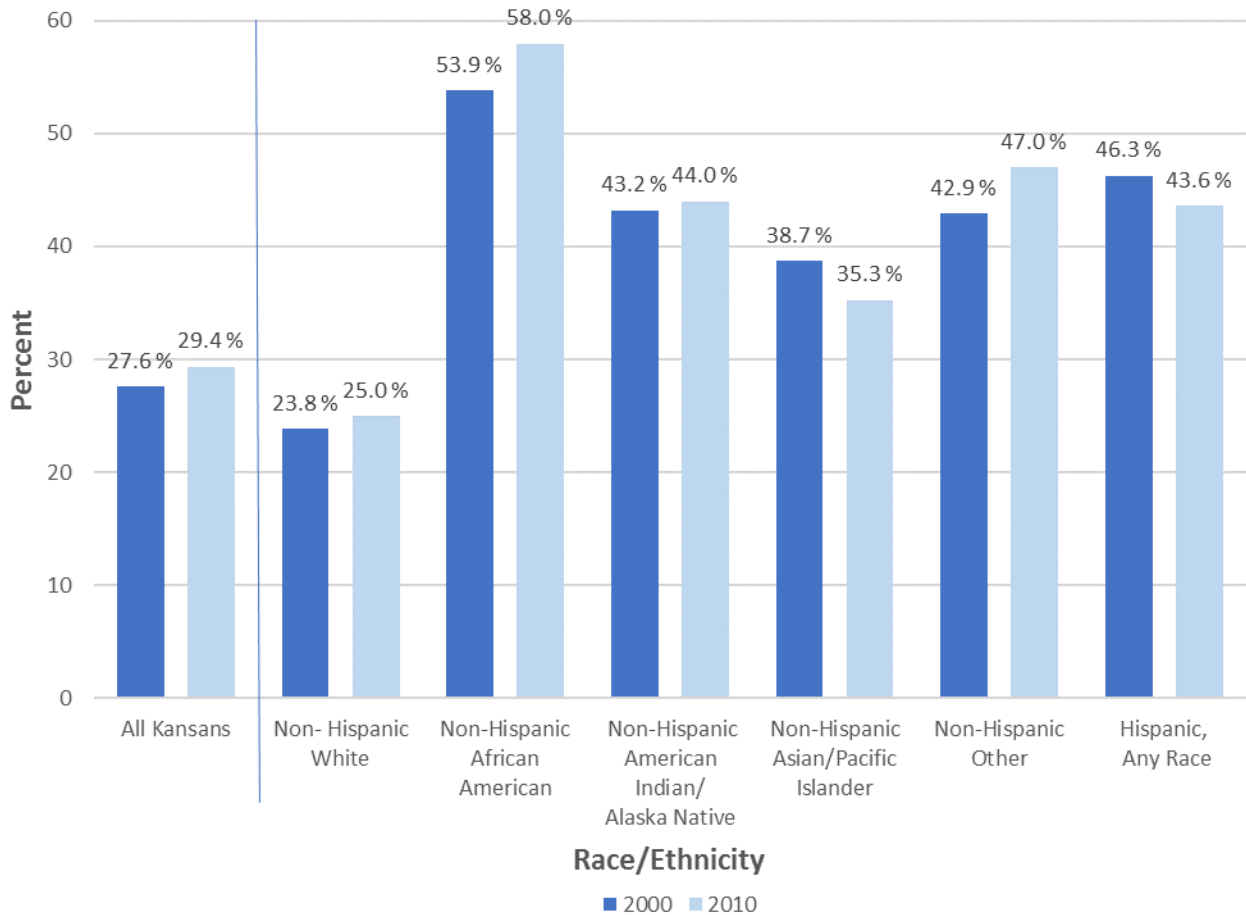
Figure 22. Average Household Size by Race/Ethnicity in Kansas, 2000 and 2010

| | All Kansans | Non-Hispanic White | Non-Hispanic African American | Non-Hispanic American Indian/Alaska Native | Non-Hispanic Asian/Pacific Islander | Non-Hispanic Some Other Race | Non-Hispanic Two or More Races | Hispanic, Any Race |
|-------------|-------------|--------------------|-------------------------------|--|-------------------------------------|------------------------------|--------------------------------|--------------------|
| 2000 | 2.5 | 2.4 | 2.6 | 2.7 | 3.0 | 2.4 | 2.6 | 3.5 |
| 2010 | 2.5 | 2.4 | 2.5 | 2.6 | 3.0 | 2.7 | 2.6 | 3.5 |

Note: Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's 2000 Census and the U.S. Census Bureau's 2010 Census.

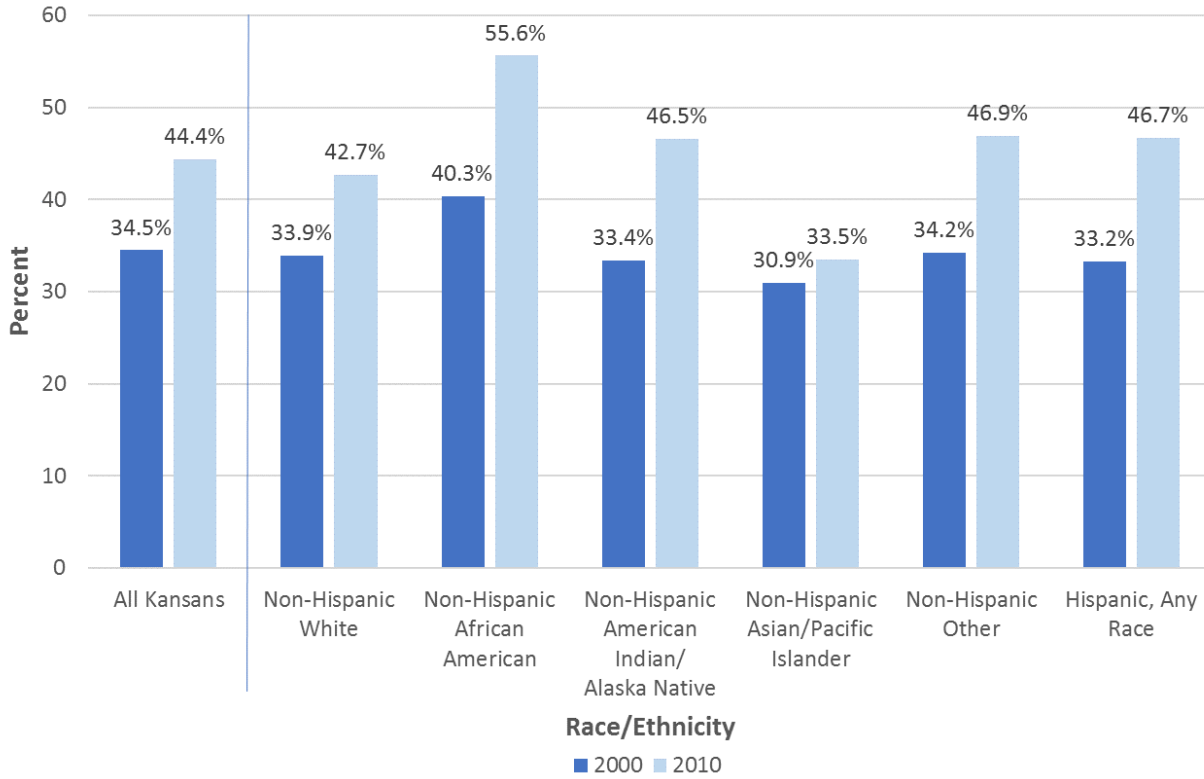
Figure 23. Percent of Population Renting their Home by Race/Ethnicity in Kansas, 2000 and 2010



Note: Percentages are for the population renting their homes and do not sum to 100 percent. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's 2000 Census and the U.S. Census Bureau's 2010 Census.

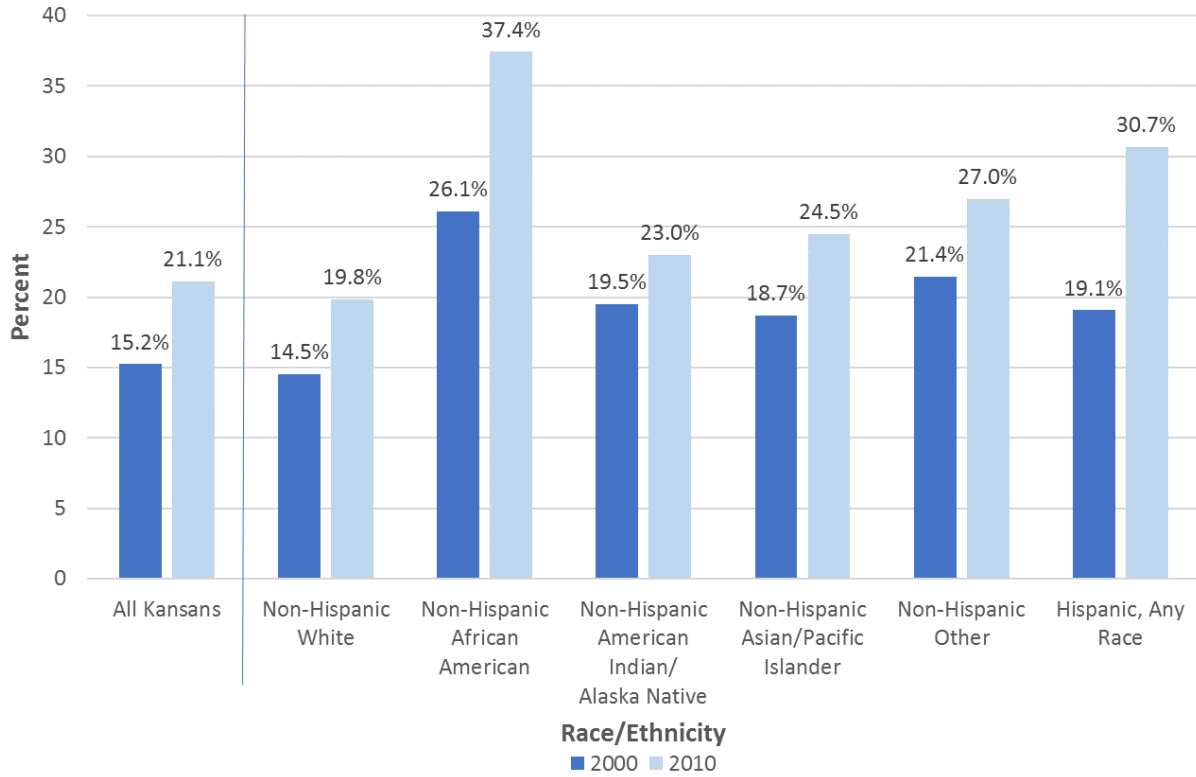
Figure 24. Percent of Renter-Occupied Households with Gross Rent as 30 Percent (or Greater) of Their Income by Race/Ethnicity in Kansas, 2000 and 2010



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for householders in rented households with gross rent as 30 percent (or greater) of their income and do not sum to 100 percent. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's 2000 Census and the U.S. Census Bureau's American Community Survey 2010 (2006-2010) 5-Year Estimates.

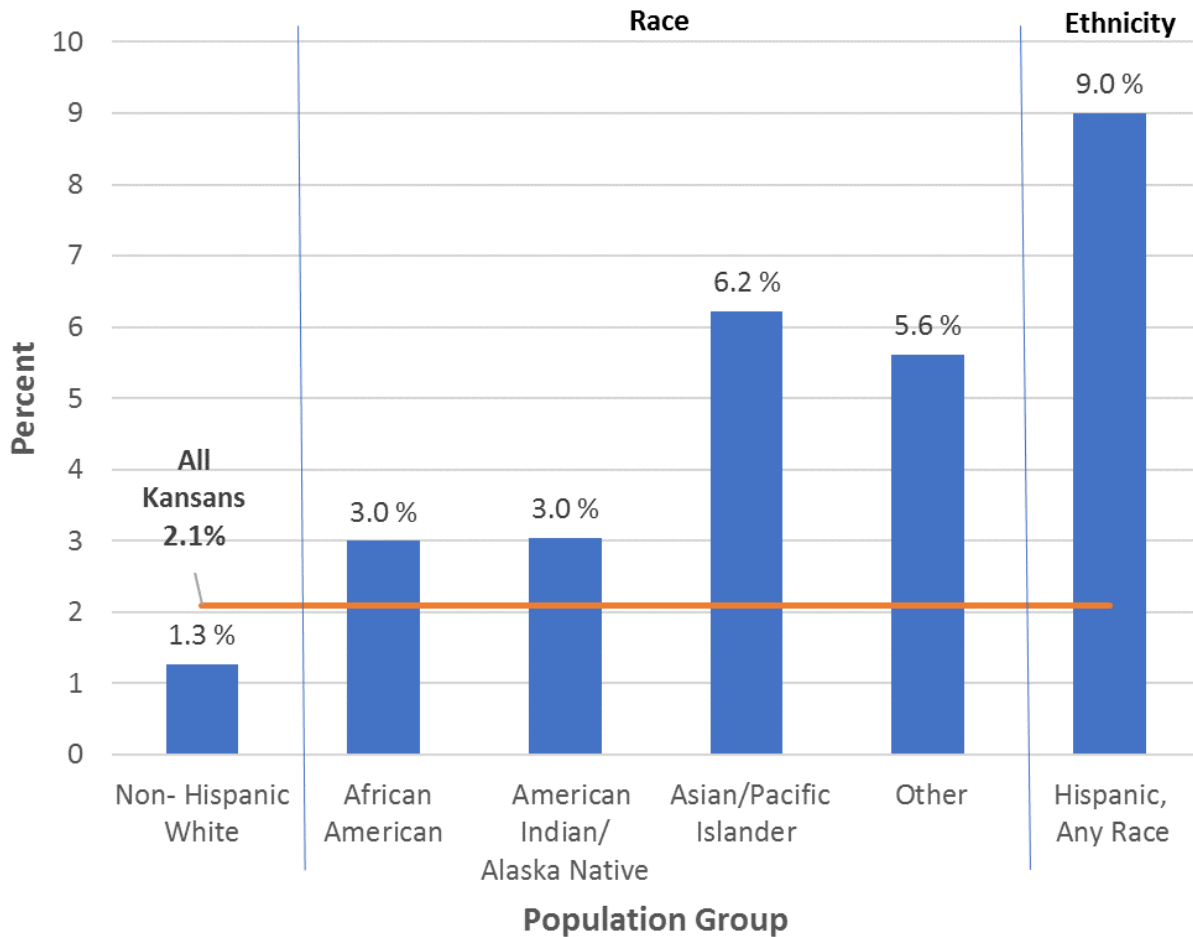
Figure 25. Percent of Owner-Occupied Households with Select Monthly Costs as 30 Percent (or Greater) of Their Income by Race/Ethnicity in Kansas, 2000 and 2010



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for householder-owned households with select costs as 30 percent (or greater) of their income and do not sum to 100 percent. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's 2000 Census and the U.S. Census Bureau's American Community Survey 2010 (2006-2010) 5-Year Estimates.

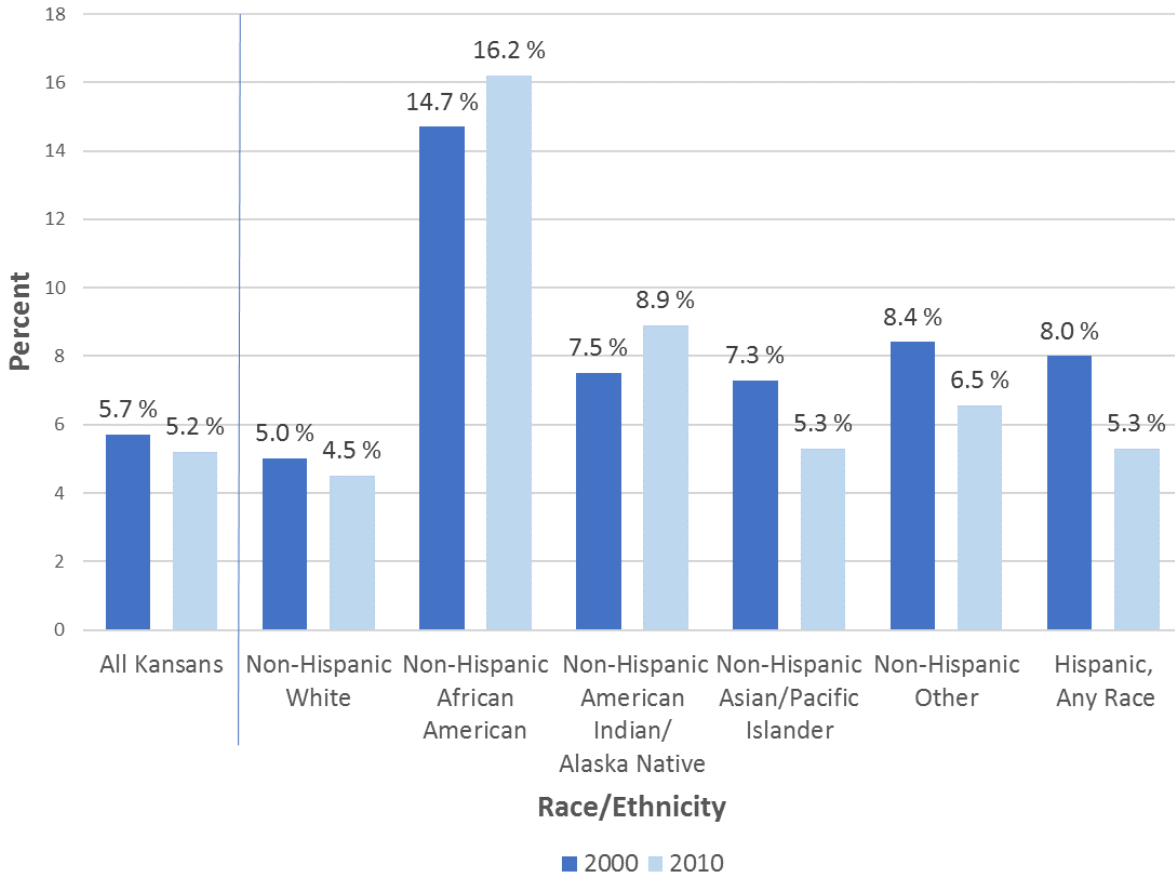
Figure 26. Percent of Households with More than One Occupant Per Room by Population Group in Kansas, 2015



Note: Percentages are for households with greater than one occupant per room and do not sum to 100 percent. African American, American Indian/Alaska Native, Asian/Pacific Islander, and Other are not broken out by ethnicity in this data set, so these groups should be compared to Non-Hispanic White only and not to Hispanic, Any Race. Other includes Some Other Race and Two or More Races. Non-Hispanic White, African American, American Indian/Alaska Native, Asian/Pacific Islander and Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimates.

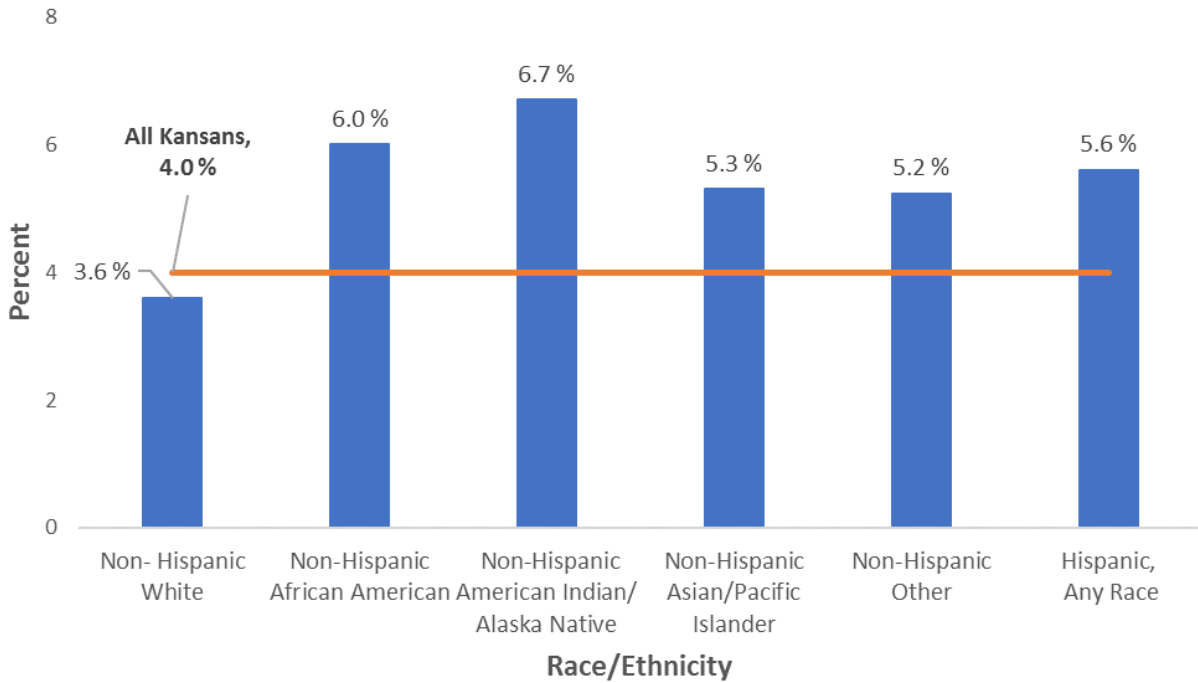
Figure 27. Percent of Households without a Vehicle by Race/Ethnicity in Kansas, 2000 and 2010



Note: Percentages are for households without a vehicle and do not sum to 100 percent. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's 2000 Census and the U.S. Census Bureau's American Community Survey 2010 (2006-2010) 5-Year Estimates.

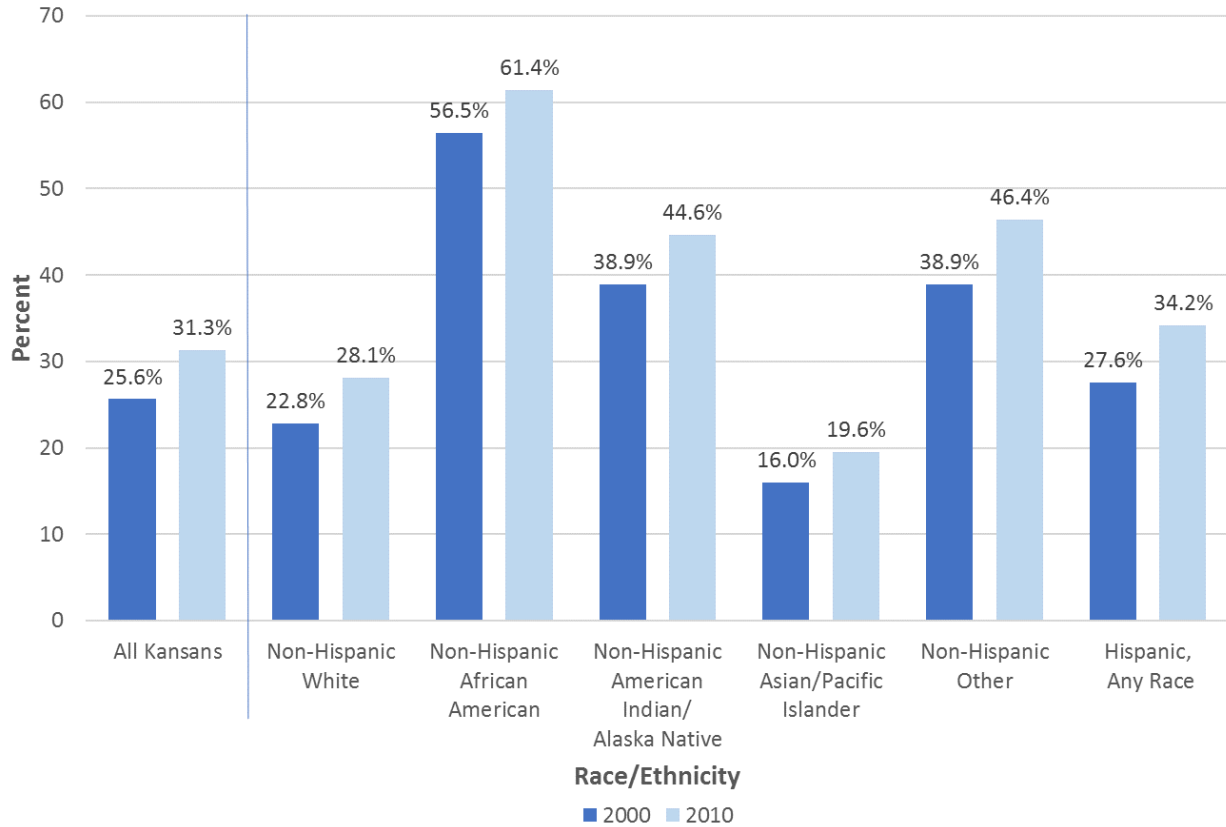
Figure 28. Percent of Households without a Telephone by Race/Ethnicity in Kansas, 2010



Note: Percentages are for households with no telephone service and do not sum to 100 percent. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2010 (2006-2010) 5-Year Estimates.

Figure 29. Percent of Family Households with a Single Parent by Race/Ethnicity in Kansas, 2000 and 2010



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages are for single-parent family households with any children under age 18. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's 2000 Census and the U.S. Census Bureau's American Community Survey 2010 (2006-2010) 5-Year Estimates.

Figure 30. Top Counties with Highest Percentages of Limited-English Speaking Households by Language Spoken in Kansas, 2015

| All Languages | Language Group | | | | | | | | |
|---------------|----------------|---------------|---------------|---------------|----------------------------|---------------|-------|---------------|------|
| | Spanish | | Indo-European | | Asian/ Pacific Islander | | Other | | |
| Kansas | 2.4% | Kansas | 1.6% | Kansas | 0.2% | Kansas | 0.5% | Kansas | 0.1% |
| County | | County | | County | | County | | County | |
| Seward | 16.7% | Seward | 15.0% | Haskell | 2.4% | Finney | 2.2% | Ford | 1.0% |
| Grant | 13.0% | Grant | 13.0% | Meade | 2.0% | Riley | 1.5% | Seward | 0.7% |
| Stanton | 12.8% | Stanton | 12.8% | Elk | 1.1% | Wyandotte | 1.2% | Finney | 0.7% |
| Ford | 12.2% | Hamilton | 10.7% | Ellis | 0.5% | Douglas | 0.9% | Lyon | 0.3% |
| Finney | 11.4% | Ford | 10.6% | Edwards | 0.5% | Sedgwick | 0.8% | Douglas | 0.3% |

Note: Percentages are for the top five counties for limited-English speaking households and do not sum to 100 percent.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 (2011-2015) 5-Year Estimates.

Nutrition, Physical Activity and Related Outcomes

This section focuses on issues which are linked to potential health outcomes in later life through chronic conditions, disability and malnutrition. Specifically, issues related to intake of fruits and vegetables, physical activity and exercise, and Body Mass Index are examined.

Each of these issues are examined based on race and ethnicity (*Technical Notes, Appendix H*) to allow comparison between populations in Kansas.

Figure 31. Percent of Adults Not Eating Enough Fruits/Vegetables by Race/Ethnicity in Kansas, 2011, 2013 and 2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 86.4% | (86.0% - 86.7%) |
| Non-Hispanic White | 86.6% | (86.3% - 87.0%) |
| Non-Hispanic African American | 87.4% | (85.3% - 89.2%) |
| Non-Hispanic American Indian/Alaska Native | 88.6% | (85.1% - 91.4%) |
| Non-Hispanic Asian/Pacific Islander | 82.7% | (78.9% - 86.0%) |
| Non-Hispanic Other | 84.9% | (82.3% - 87.3%) |
| Hispanic, Any Race | 84.0% | (82.5% - 85.5%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported eating less than five servings of fruits and vegetables per day for the last month, not meeting Healthy People 2010 objective. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011, 2013 and 2015.

Figure 32. Percent of Adults Not Engaging in Physical Activity in the Last Month by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 25.3% | (24.9% - 25.7%) |
| Non-Hispanic White | 24.2% | (23.8% - 24.6%) |
| Non-Hispanic African American | 29.9% | (27.8% - 32.0%) |
| Non-Hispanic American Indian/Alaska Native | 32.3% | (28.1% - 36.8%) |
| Non-Hispanic Asian/Pacific Islander | 21.0% | (17.9% - 24.4%) |
| Non-Hispanic Other | 23.9% | (21.3% - 26.6%) |
| Hispanic, Any Race | 32.5% | (30.7% - 34.3%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported not participating in any physical activities or exercises outside of their regular job during past month. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 33. Percent of Adults Not Meeting Aerobic Recommendations by Race/Ethnicity in Kansas, 2011, 2013 and 2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 51.4% | (50.9% - 51.9%) |
| Non-Hispanic White | 50.0% | (49.5% - 50.6%) |
| Non-Hispanic African American | 58.2% | (55.4% - 61.0%) |
| Non-Hispanic American Indian/Alaska Native | 53.0% | (47.4% - 58.5%) |
| Non-Hispanic Asian/Pacific Islander | 49.2% | (44.3% - 54.1%) |
| Non-Hispanic Other | 51.8% | (48.1% - 55.5%) |
| Hispanic, Any Race | 60.1% | (58.0% - 62.1%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) whose physical activities did not meet aerobic recommendations in the 2008 Physical Activity Guidelines for Americans. Adults should do at least 150 minutes a week of moderate-intensity, or 75 minutes a week of vigorous-intensity aerobic physical activity, or an equivalent combination of moderate- and vigorous-intensity aerobic activity. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011, 2013, and 2015.

Figure 34. Percent of Adults Who are Overweight by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 65.8% | (65.4% - 66.3%) |
| Non-Hispanic White | 65.2% | (64.8% - 65.7%) |
| Non-Hispanic African American | 71.8% | (69.5% - 74.0%) |
| Non-Hispanic American Indian/Alaska Native | 71.5% | (67.1% - 75.6%) |
| Non-Hispanic Asian/Pacific Islander | 45.2% | (41.2% - 49.3%) |
| Non-Hispanic Other | 66.7% | (63.3% - 69.9%) |
| Hispanic, Any Race | 71.7% | (69.8% - 73.5%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older who reported they were overweight, or whose Body Mass Index was greater or equal to 25 but less than 30. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 35. Percent of Adults Who are Obese by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 30.9% | (30.5% - 31.4%) |
| Non-Hispanic White | 30.2% | (29.8% - 30.7%) |
| Non-Hispanic African American | 41.0% | (38.7% - 43.3%) |
| Non-Hispanic American Indian/Alaska Native | 35.7% | (31.5% - 40.1%) |
| Non-Hispanic Asian/Pacific Islander | 11.0% | (8.8% - 13.6%) |
| Non-Hispanic Other | 33.2% | (30.2% - 36.4%) |
| Hispanic, Any Race | 34.6% | (32.7% - 36.6%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported they were obese, or whose Body Mass Index ≥ 30 . Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Substance Use

This section focuses on issues which are linked to issues of substance use and abuse in Kansas. These issues are of importance to health as they may contribute to health problems, especially later in life. Issues specifically related to cigarette and alcohol use are explored. Each of these issues are examined based on race and ethnicity (*Technical Notes, Appendix H*) to allow comparison between populations in Kansas. First, current cigarette usage in Kansas is presented, then issues related to alcohol, including: binge drinking, chronic drinking and driving while intoxicated, are examined.

Figure 36. Percent of Adults Reporting Current Smoking by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 19.5% | (19.1% - 19.8%) |
| Non-Hispanic White | 19.0% | (18.7% - 19.4%) |
| Non-Hispanic African American | 26.4% | (24.3% - 28.6%) |
| Non-Hispanic American Indian/Alaska Native | 38.3% | (33.9% - 42.8%) |
| Non-Hispanic Asian/Pacific Islander | 12.9% | (10.4% - 16.0%) |
| Non-Hispanic Other | 30.5% | (27.3% - 33.8%) |
| Hispanic, Any Race | 16.0% | (14.7% - 17.4%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported they have smoked at least 100 cigarettes in their lifetime and currently smoke. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 37. Percent of Adults Reporting Chronic Drinking by Race/Ethnicity in Kansas, 2011-2014 (Combined)

| | % | 95% Confidence Interval |
|---|------|-------------------------|
| All Kansans | 6.3% | (6.1% - 6.6%) |
| Non-Hispanic White | 6.4% | (6.1% - 6.7%) |
| Non-Hispanic African American | 7.0% | (5.7% - 8.7%) |
| Non-Hispanic American Indian/Alaska Native | 7.3% | (4.7% - 11.1%) |
| Non-Hispanic Asian/Pacific Islander | 3.5% | (2.3% - 5.4%) |
| Non-Hispanic Other | 6.7% | (4.8% - 9.4%) |
| Hispanic, Any Race | 5.6% | (4.7% - 6.7%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported having an average of more than fourteen drinks a week for men or an average of more than seven drinks a week for women during the past month. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2014.

Figure 38. Percent of Adults Reporting Binge Drinking by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 15.9% | (15.6% - 16.3%) |
| Non-Hispanic White | 16.1% | (15.7% - 16.5%) |
| Non-Hispanic African American | 12.7% | (11.1% - 14.6%) |
| Non-Hispanic American Indian/Alaska Native | 14.3% | (11.2% - 18.1%) |
| Non-Hispanic Asian/Pacific Islander | 9.5% | (7.4% - 12.2%) |
| Non-Hispanic Other | 16.5% | (13.8% - 19.6%) |
| Hispanic, Any Race | 18.3% | (16.8% - 19.8%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported having five or more drinks for men or four or more drinks for women on an occasion, one or more times during the past month. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 39. Percent of Adults Reporting Drinking and Driving by Race/Ethnicity in Kansas, 2012 and 2014 (Combined)

| | % | 95% Confidence Interval |
|---|------|-------------------------|
| All Kansans | 3.4% | (3.0% - 3.9%) |
| Non-Hispanic White | 3.5% | (3.1% - 4.1%) |
| Non-Hispanic African American | 1.3% | (0.5% - 3.0%) |
| Non-Hispanic American Indian/Alaska Native | 1.1% | (0.2% - 7.5%) |
| Non-Hispanic Asian/Pacific Islander | 3.1% | (1.0% - 9.3%) |
| Non-Hispanic Other | 3.2% | (1.5% - 6.5%) |
| Hispanic, Any Race | 4.1% | (2.4% - 7.0%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported having driven after having too much to drink, one or more times in the past month. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2012 and 2014.

Health Care and Preventative Services

This section focuses on issues that are linked to health care and preventative services. These issues are of importance to health as they may contribute to barriers to care or to prevent identification of health issues earlier. These issues include having a personal doctor, delaying care due to costs, and not receiving preventative services as often as recommended such as screenings for breast cancer, pap smears, vaccinations for the elderly, and colonoscopies. Each of these issues are examined based on race/ethnicity (*Technical Notes, Appendix H*) to allow comparison between populations in Kansas.

Figure 40. Percent of Adults with No Personal Doctor by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 20.3% | (19.9% - 20.7%) |
| Non-Hispanic White | 16.3% | (16.0% - 16.7%) |
| Non-Hispanic African American | 29.1% | (26.9% - 31.3%) |
| Non-Hispanic American Indian/Alaska Native | 25.9% | (21.9% - 30.3%) |
| Non-Hispanic Asian/Pacific Islander | 29.3% | (25.8% - 33.1%) |
| Non-Hispanic Other | 28.0% | (25.0% - 31.3%) |
| Hispanic, Any Race | 45.4% | (43.5% - 47.3%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported they had no personal doctor or health care provider. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 41. Percent of Adults Who Did Not Seek Care Due to Cost by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 13.3% | (12.9% - 13.6%) |
| Non-Hispanic White | 11.0% | (10.7% - 11.3%) |
| Non-Hispanic African American | 24.1% | (22.1% - 26.2%) |
| Non-Hispanic American Indian/Alaska Native | 22.3% | (18.5% - 26.6%) |
| Non-Hispanic Asian/Pacific Islander | 12.5% | (10.0% - 15.4%) |
| Non-Hispanic Other | 23.6% | (20.9% - 26.5%) |
| Hispanic, Any Race | 23.9% | (22.3% - 25.5%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported they had not sought needed medical care in the past 12 months because of cost. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 42. Percent of Women Age 40 and Older with No Recent Mammogram by Race/Ethnicity in Kansas, 2011, 2012 and 2014 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 25.8% | (25.0% - 26.6%) |
| Non-Hispanic White | 25.0% | (24.2% - 25.8%) |
| Non-Hispanic African American | 23.8% | (19.7% - 28.5%) |
| Non-Hispanic American Indian/Alaska Native | 29.3% | (21.5% - 38.4%) |
| Non-Hispanic Asian/Pacific Islander | 41.3% | (29.0% - 54.8%) |
| Non-Hispanic Other | 43.6% | (35.8% - 51.6%) |
| Hispanic, Any Race | 34.4% | (29.0% - 40.3%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all female respondents (age 40 and older) who had not had a mammogram in the past two years. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey of the combined core-sample years of 2012 and 2014 and the full sample of the 2011 state-added module.

Figure 43. Percent of Women Age 50 and Older with No Recent Mammogram by Race/Ethnicity in Kansas, 2011, 2012 and 2014 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 22.6% | (21.9% - 23.4%) |
| Non-Hispanic White | 22.1% | (21.4% - 22.9%) |
| Non-Hispanic African American | 21.2% | (17.2% - 25.8%) |
| Non-Hispanic American Indian/Alaska Native | 32.3% | (23.3% - 42.9%) |
| Non-Hispanic Asian/Pacific Islander | 43.2% | (25.8% - 62.4%) |
| Non-Hispanic Other | 37.0% | (29.6% - 45.1%) |
| Hispanic, Any Race | 28.4% | (22.4% - 35.3%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all female respondents (age 50 and older) who had not had a mammogram in the past two years. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey of the combined core-sample years of 2012 and 2014 and the full sample of the 2011 state-added module.

Figure 44. Percent of Women Age 50 and Older with No Recent Breast Exam by Race/Ethnicity in Kansas, 2012 and 2014 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 27.5% | (26.4% - 28.6%) |
| Non-Hispanic White | 26.9% | (25.8% - 28.0%) |
| Non-Hispanic African American | 29.1% | (23.5% - 35.4%) |
| Non-Hispanic American Indian/Alaska Native | 29.6% | (18.9% - 43.2%) |
| Non-Hispanic Asian/Pacific Islander | 66.5% | (44.1% - 83.3%) |
| Non-Hispanic Other | 37.4% | (27.4% - 48.8%) |
| Hispanic, Any Race | 32.8% | (25.0% - 41.7%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all female respondents (age 50 and older) who had not had a clinical breast exam within the past two years. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2012 and 2014.

Figure 45. Percent of Women Age 21 to 65 with No Recent Pap Smear by Race/Ethnicity in Kansas, 2012 and 2014 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 21.4% | (20.4% - 22.5%) |
| Non-Hispanic White | 21.2% | (20.1% - 22.3%) |
| Non-Hispanic African American | 20.7% | (16.1% - 26.1%) |
| Non-Hispanic American Indian/Alaska Native | 29.0% | (18.9% - 41.6%) |
| Non-Hispanic Asian/Pacific Islander | 35.1% | (24.3% - 47.6%) |
| Non-Hispanic Other | 29.4% | (21.7% - 38.4%) |
| Hispanic, Any Race | 19.4% | (15.5% - 23.9%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all female respondents (age 21 to 65) who had not had a pap smear within the past three years. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2012 and 2014.

Figure 46. Percent of Adults Age 65 and Older with No Pneumonia Vaccination by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 28.6% | (27.9% - 29.2%) |
| Non-Hispanic White | 27.7% | (27.0% - 28.3%) |
| Non-Hispanic African American | 35.2% | (31.2% - 39.5%) |
| Non-Hispanic American Indian/Alaska Native | 38.5% | (29.9% - 47.8%) |
| Non-Hispanic Asian/Pacific Islander | 38.9% | (26.0% - 53.7%) |
| Non-Hispanic Other | 34.6% | (28.3% - 41.4%) |
| Hispanic, Any Race | 44.4% | (38.8% - 50.2%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on respondents (age 65 and older) who never had a pneumonia vaccine. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 47. Percent of Adults Age 65 and Older with No Recent Influenza Vaccination by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 35.7% | (35.0% - 36.3%) |
| Non-Hispanic White | 34.9% | (34.3% - 35.6%) |
| Non-Hispanic African American | 48.0% | (43.8% - 52.3%) |
| Non-Hispanic American Indian/Alaska Native | 49.2% | (40.2% - 58.2%) |
| Non-Hispanic Asian/Pacific Islander | 29.4% | (17.7% - 44.7%) |
| Non-Hispanic Other | 42.7% | (36.4% - 49.2%) |
| Hispanic, Any Race | 37.3% | (32.1% - 42.9%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on respondents (age 65 and older) who had not had an influenza vaccination within the past 12 months. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 48. Percent of Adults Age 50 and Older with No Recent Sigmoidoscopy by Race/Ethnicity in Kansas, 2012 and 2014 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 48.3% | (47.3% - 49.2%) |
| Non-Hispanic White | 47.2% | (46.2% - 48.1%) |
| Non-Hispanic African American | 48.2% | (42.9% - 53.6%) |
| Non-Hispanic American Indian/Alaska Native | 54.8% | (44.8% - 64.4%) |
| Non-Hispanic Asian/Pacific Islander | 60.7% | (45.8% - 73.9%) |
| Non-Hispanic Other | 52.8% | (44.6% - 60.8%) |
| Hispanic, Any Race | 65.3% | (58.4% - 71.6%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on respondents (age 50 and older) who reported that they have not had a sigmoidoscopy or colonoscopy examination in the past five years. The five-year cutoff is based on the recommended time between sigmoidoscopies as opposed to the recommendation for a colonoscopy every ten years since the survey item combines both sigmoidoscopy and colonoscopy. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2012 and 2014.

Figure 49. Percent of Adults Age 50 and Older with No Sigmoidoscopy or Colonoscopy by Race/Ethnicity in Kansas, 2012 and 2014 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 32.5% | (31.5% - 33.4%) |
| Non-Hispanic White | 30.8% | (29.9% - 31.7%) |
| Non-Hispanic African American | 35.9% | (30.9% - 41.2%) |
| Non-Hispanic American Indian/Alaska Native | 41.0% | (31.6% - 51.0%) |
| Non-Hispanic Asian/Pacific Islander | 39.4% | (25.6% - 55.1%) |
| Non-Hispanic Other | 42.4% | (34.5% - 50.7%) |
| Hispanic, Any Race | 55.4% | (48.2% - 62.3%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on respondents (age 50 and older) who reported that they had never had a sigmoidoscopy or colonoscopy examination. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2012 and 2014.

Other Health Risk Factors

This section features issues related to health which were not easily categorized elsewhere. These groups are examined by race and ethnicity (*Technical Notes, Appendix H*) for Kansas.

First, Kansans reporting not enough sleep or rest are examined, followed by Kansans reporting not always wearing their seat belt while driving or riding in an automobile.

Figure 50. Percent of Adults Reporting Not Enough Sleep or Rest in Kansas, 2011 and 2012 (Combined)

| | | |
|---|-------|-----------------|
| All Kansans | 25.4% | (24.2% - 26.7%) |
| Non-Hispanic White | 24.4% | (23.2% - 25.7%) |
| Non-Hispanic African American | 36.0% | (28.7% - 44.1%) |
| Non-Hispanic American Indian/Alaska Native | 46.6% | (30.9% - 63.0%) |
| Non-Hispanic Asian/Pacific Islander | 10.4% | (5.1% - 20.3%) |
| Non-Hispanic Other | 37.3% | (27.1% - 48.7%) |
| Hispanic, Any Race | 24.2% | (18.7% - 30.7%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on respondents (age 18 and older) who reported 14 or more days in the past 30 days during which they did not get enough sleep or rest. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System Survey for the combined split sample optional core questions of the years 2011 and 2012.

Figure 51. Percent of Adults Reporting Not Always Using Their Seat Belt in Kansas, 2011-2015 (Combined)

| | | |
|---|-------|-----------------|
| All Kansans | 19.0% | (18.6% - 19.3%) |
| Non-Hispanic White | 19.5% | (19.1% - 19.9%) |
| Non-Hispanic African American | 17.1% | (15.3% - 19.0%) |
| Non-Hispanic American Indian/Alaska Native | 20.1% | (16.4% - 24.4%) |
| Non-Hispanic Asian/Pacific Islander | 9.9% | (7.8% - 12.6%) |
| Non-Hispanic Other | 18.6% | (16.0% - 21.4%) |
| Hispanic, Any Race | 17.4% | (15.8% - 19.1%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on respondents (age 18 and older) who reported not always wearing a seatbelt when driving or riding in a car (among respondents who drive or ride in a car). Non-Hispanic Others combined non-Hispanics identifying Some Other Race and non-Hispanics identifying as Two or More Races.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Disease and Disability

In this section, the metrics for disease and disability for Kansas are presented.

This section is composed of four sources: 1) state-level, health-related metrics by race/ethnicity (*Technical Notes, Appendix H*); 2) state-level disability and functional difficulty measures by race/ethnicity and gender; 3) state-level hospital discharge statistics by race/ethnicity and gender; and 4) state-level sexually transmitted infection statistics by race/ethnicity and gender.

Topics and timeframes in the section vary by source.

Figure 52. Percent of Adults Reporting Their Health as Fair or Poor by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 15.5% | (15.2% - 15.8%) |
| Non-Hispanic White | 14.1% | (13.8% - 14.4%) |
| Non-Hispanic African American | 22.2% | (20.5% - 24.0%) |
| Non-Hispanic American Indian/Alaska Native | 29.6% | (25.6% - 33.9%) |
| Non-Hispanic Asian/Pacific Islander | 8.1% | (6.2% - 10.4%) |
| Non-Hispanic Other | 20.9% | (18.5% - 23.6%) |
| Hispanic, Any Race | 22.4% | (20.8% - 24.0%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported that, in general, their health status was "fair" or "poor". Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 53. Percent of Adults Reporting Their Physical Health was Not Good by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 10.2% | (10.0% - 10.5%) |
| Non-Hispanic White | 10.1% | (9.8% - 10.4%) |
| Non-Hispanic African American | 12.5% | (11.1% - 14.0%) |
| Non-Hispanic American Indian/Alaska Native | 20.6% | (17.3% - 24.4%) |
| Non-Hispanic Asian/Pacific Islander | 3.5% | (2.4% - 5.1%) |
| Non-Hispanic Other | 15.2% | (13.3% - 17.4%) |
| Hispanic, Any Race | 9.3% | (8.3% - 10.5%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported fourteen or more days in the past thirty during which their physical health was not good. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 54. Percent of Adults Reporting Their Mental Health was Not Good by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 9.8% | (9.5% - 10.1%) |
| Non-Hispanic White | 9.4% | (9.1% - 9.7%) |
| Non-Hispanic African American | 13.9% | (12.4% - 15.6%) |
| Non-Hispanic American Indian/Alaska Native | 21.2% | (17.7% - 25.2%) |
| Non-Hispanic Asian/Pacific Islander | 5.0% | (3.5% - 7.0%) |
| Non-Hispanic Other | 18.2% | (15.8% - 20.9%) |
| Hispanic, Any Race | 8.9% | (7.9% - 9.9%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported fourteen or more days in the past thirty during which their mental health was not good. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 55. Percent of Adults Reporting Depression by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 17.7% | (17.4% - 18.1%) |
| Non-Hispanic White | 18.2% | (17.8% - 18.5%) |
| Non-Hispanic African American | 17.0% | (15.4% - 18.8%) |
| Non-Hispanic American Indian/Alaska Native | 29.7% | (25.9% - 33.8%) |
| Non-Hispanic Asian/Pacific Islander | 4.7% | (3.4% - 6.5%) |
| Non-Hispanic Other | 26.4% | (23.6% - 29.5%) |
| Hispanic, Any Race | 13.7% | (12.5% - 15.0%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported they were told by a doctor that they have a depressive disorder, including depression, major depression, dysthymia or minor depression. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 56. Percent of Adults Reporting Physical or Mental Health Limited Their Activity by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 13.3% | (12.9% - 13.7%) |
| Non-Hispanic White | 13.0% | (12.6% - 13.5%) |
| Non-Hispanic African American | 17.5% | (15.2% - 20.0%) |
| Non-Hispanic American Indian/Alaska Native | 29.8% | (24.7% - 35.6%) |
| Non-Hispanic Asian/Pacific Islander | 4.4% | (2.5% - 7.4%) |
| Non-Hispanic Other | 17.9% | (15.1% - 21.1%) |
| Hispanic, Any Race | 10.6% | (9.0% - 12.4%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported fourteen or more days in the past thirty during which poor physical or mental health kept them from doing usual activities, such as self-care, work or recreation. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 57. Percent of Adults Reporting Any Activity Limitation by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 20.5% | (20.2% - 20.8%) |
| Non-Hispanic White | 21.3% | (20.9% - 21.6%) |
| Non-Hispanic African American | 22.5% | (20.7% - 24.3%) |
| Non-Hispanic American Indian/Alaska Native | 37.5% | (33.3% - 42.0%) |
| Non-Hispanic Asian/Pacific Islander | 5.8% | (4.4% - 7.7%) |
| Non-Hispanic Other | 30.6% | (27.7% - 33.6%) |
| Hispanic, Any Race | 11.7% | (10.5% - 13.0%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported they were limited in any way in activities because of physical, mental or emotional problems. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Non-Hispanic Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

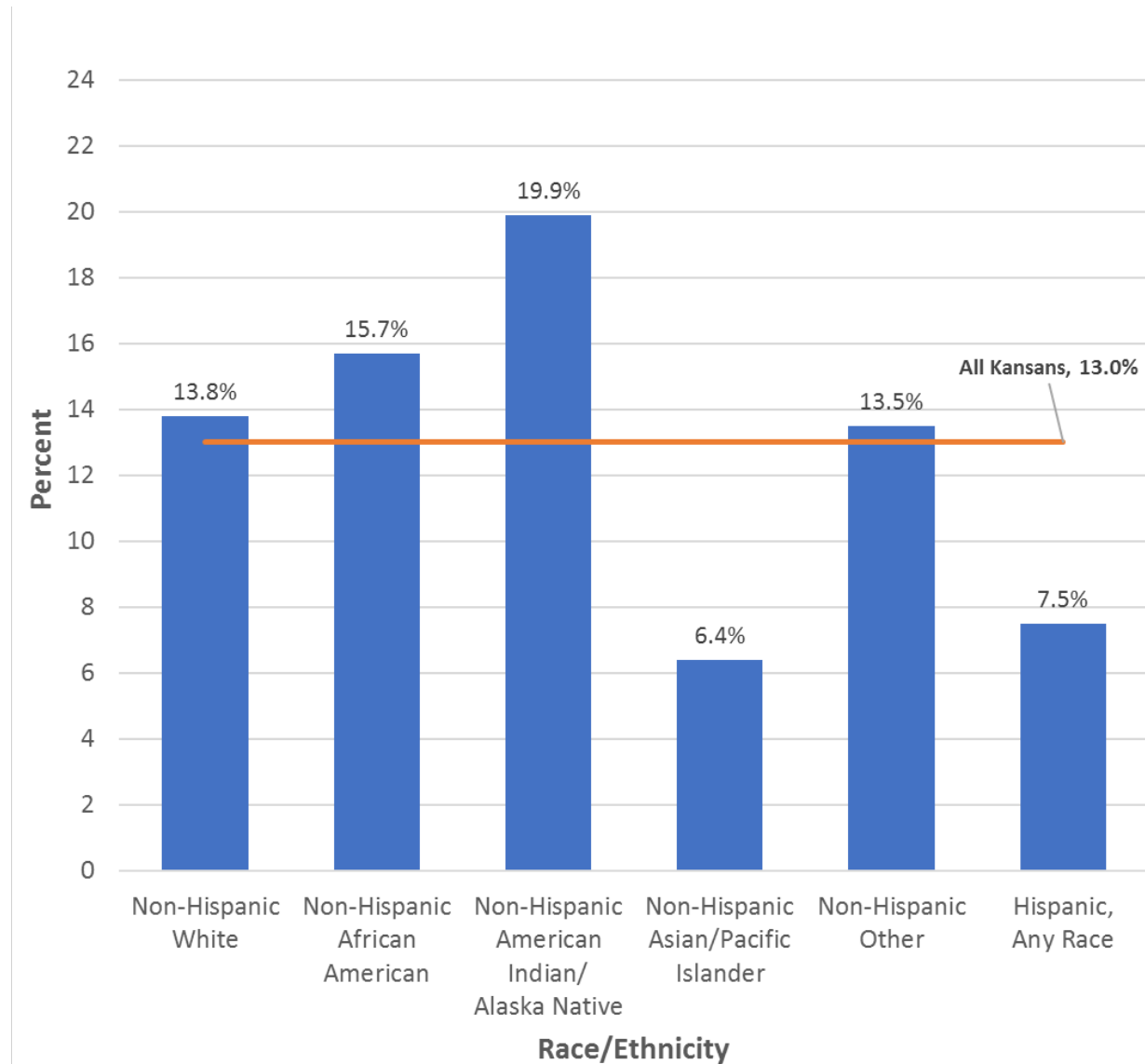
Figure 58a. Percent of Population with Any Disability or Difficulty by Difficulty Type, Race/Ethnicity and Gender in Kansas, 2015

| | Difficulty | | | | | | | | | | | | | | | | | | | | |
|---|----------------|--------|-------|-----------|--------|-------|---------|--------|-------|--------|--------|-------|--------------------|--------|-------|------------|--------|-------|-----------|--------|-------|
| | Any Disability | | | Self-Care | | | Hearing | | | Vision | | | Independent Living | | | Ambulatory | | | Cognitive | | |
| | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| All Kansans | 12.9% | 13.2% | 13.0% | 2.6% | 3.4% | 3.0% | 4.9% | 3.1% | 4.0% | 2.0% | 2.3% | 2.1% | 4.7% | 6.8% | 5.8% | 6.0% | 8.5% | 7.3% | 5.6% | 5.4% | 5.5% |
| Non-Hispanic White | 13.7% | 13.9% | 13.8% | 2.7% | 3.6% | 3.2% | 5.6% | 3.4% | 4.5% | 2.0% | 2.3% | 2.1% | 4.8% | 7.2% | 6.0% | 6.4% | 9.1% | 7.8% | 5.6% | 5.6% | 5.6% |
| Non-Hispanic African American | 15.0% | 16.3% | 15.7% | 2.9% | 4.6% | 3.7% | 2.5% | 1.7% | 2.1% | 2.5% | 3.5% | 3.0% | 6.4% | 8.2% | 7.3% | 7.3% | 11.5% | 9.3% | 8.8% | 6.8% | 7.8% |
| Non-Hispanic American Indian/Alaska Native | 19.0% | 20.8% | 19.9% | 4.5% | 4.5% | 4.5% | 5.4% | 3.8% | 4.6% | 2.0% | 4.8% | 3.4% | 7.0% | 8.9% | 8.0% | 10.0% | 15.2% | 12.7% | 8.9% | 9.2% | 9.1% |
| Non-Hispanic Asian/Pacific Islander | 5.1% | 7.6% | 6.4% | 1.1% | 1.9% | 1.5% | 1.9% | 2.0% | 1.9% | 0.8% | 2.2% | 1.5% | 2.4% | 5.2% | 3.9% | 2.1% | 4.4% | 3.3% | 2.2% | 3.2% | 2.7% |
| Non-Hispanic Other | 13.5% | 13.5% | 13.5% | 2.5% | 3.3% | 2.9% | 2.9% | 2.2% | 2.5% | 1.8% | 2.9% | 2.3% | 6.1% | 8.2% | 7.1% | 5.1% | 8.5% | 6.8% | 9.9% | 7.3% | 8.6% |
| Hispanic, Any Race | 7.6% | 7.3% | 7.5% | 1.4% | 1.4% | 1.4% | 2.4% | 1.6% | 2.0% | 1.7% | 1.8% | 1.7% | 2.9% | 3.0% | 2.9% | 3.3% | 3.6% | 3.4% | 3.9% | 3.4% | 3.7% |

Note: See *Technical Notes, Appendix H* for descriptions of Any Disability and Difficulty Types. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

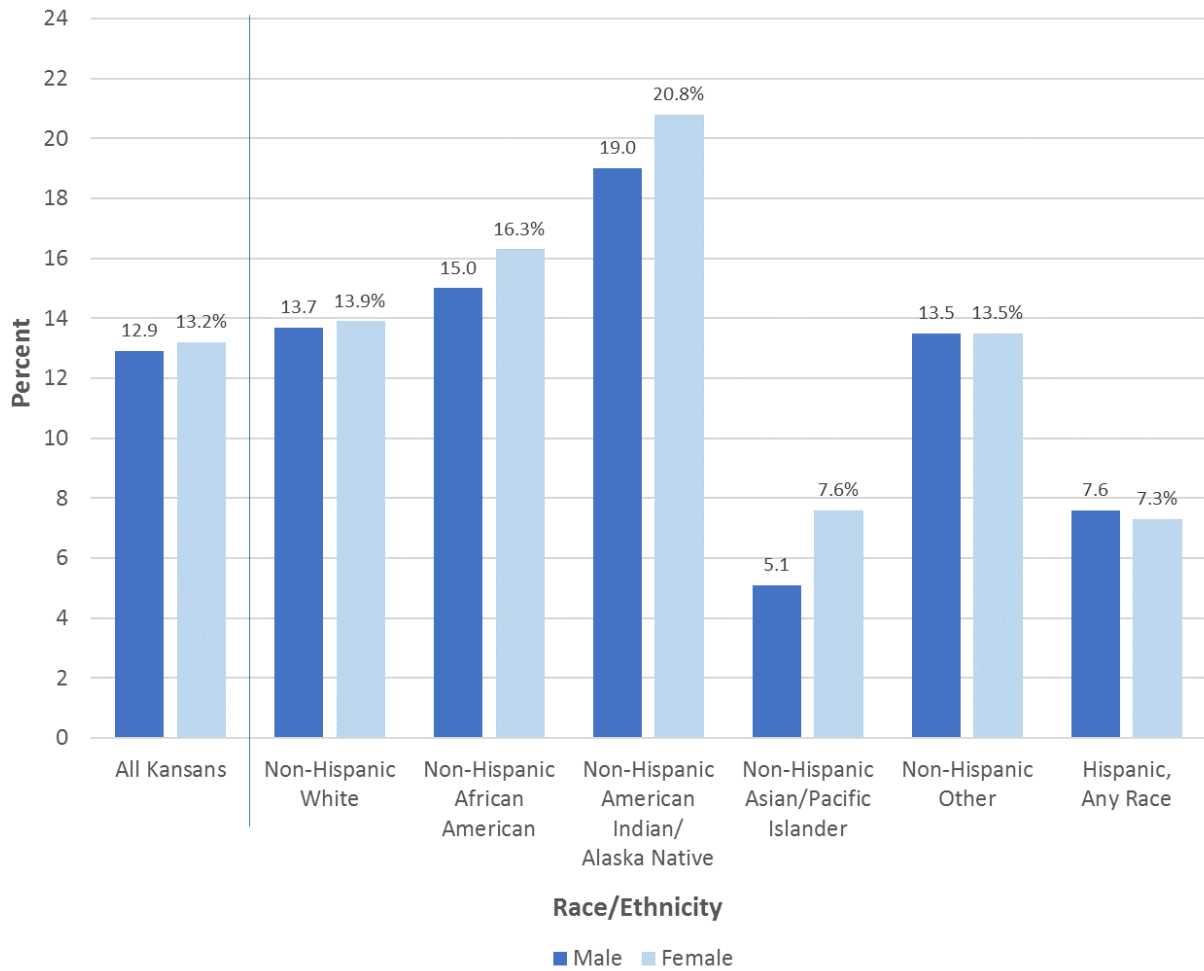
Figure 58b. Percent of Population with Any Disability by Race/Ethnicity in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Any Disability. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

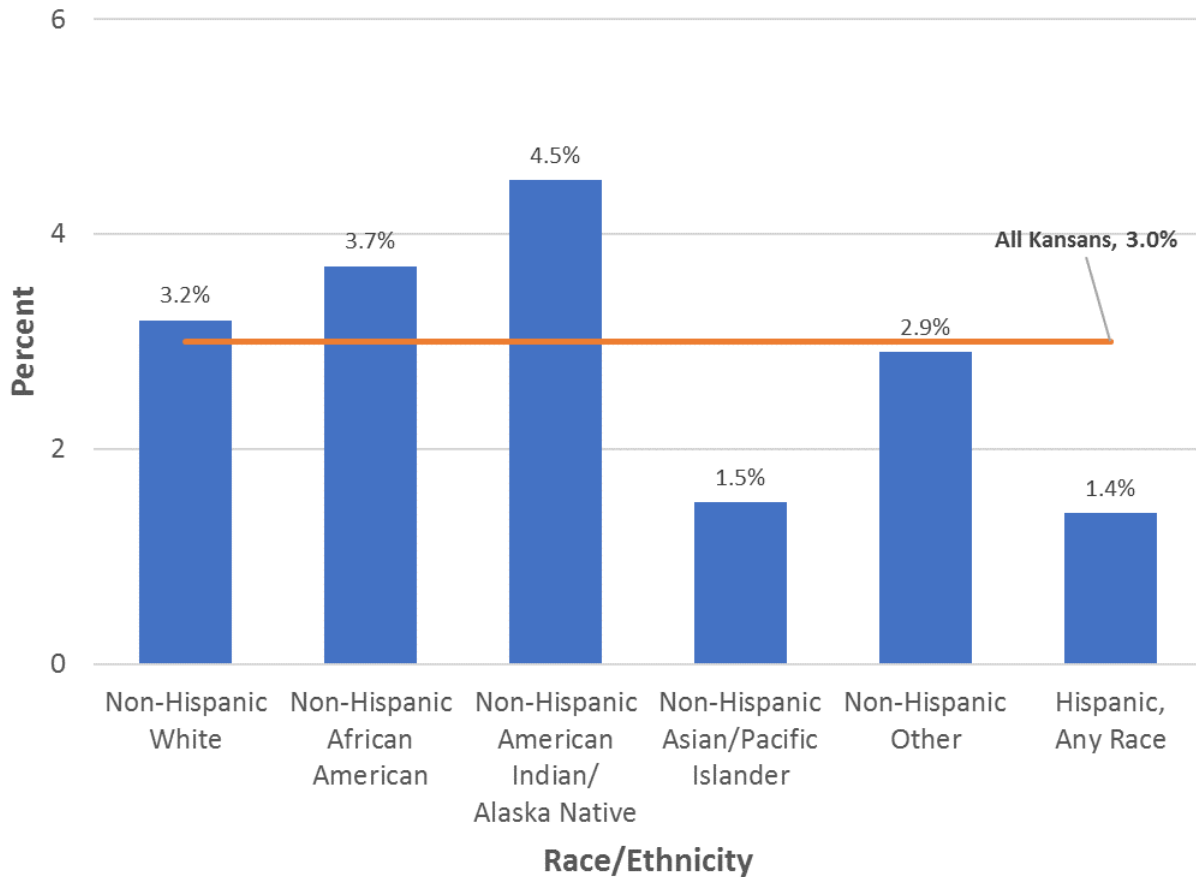
Figure 58c. Percent of Population with Any Disability by Race/Ethnicity and Gender in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Any Disability. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

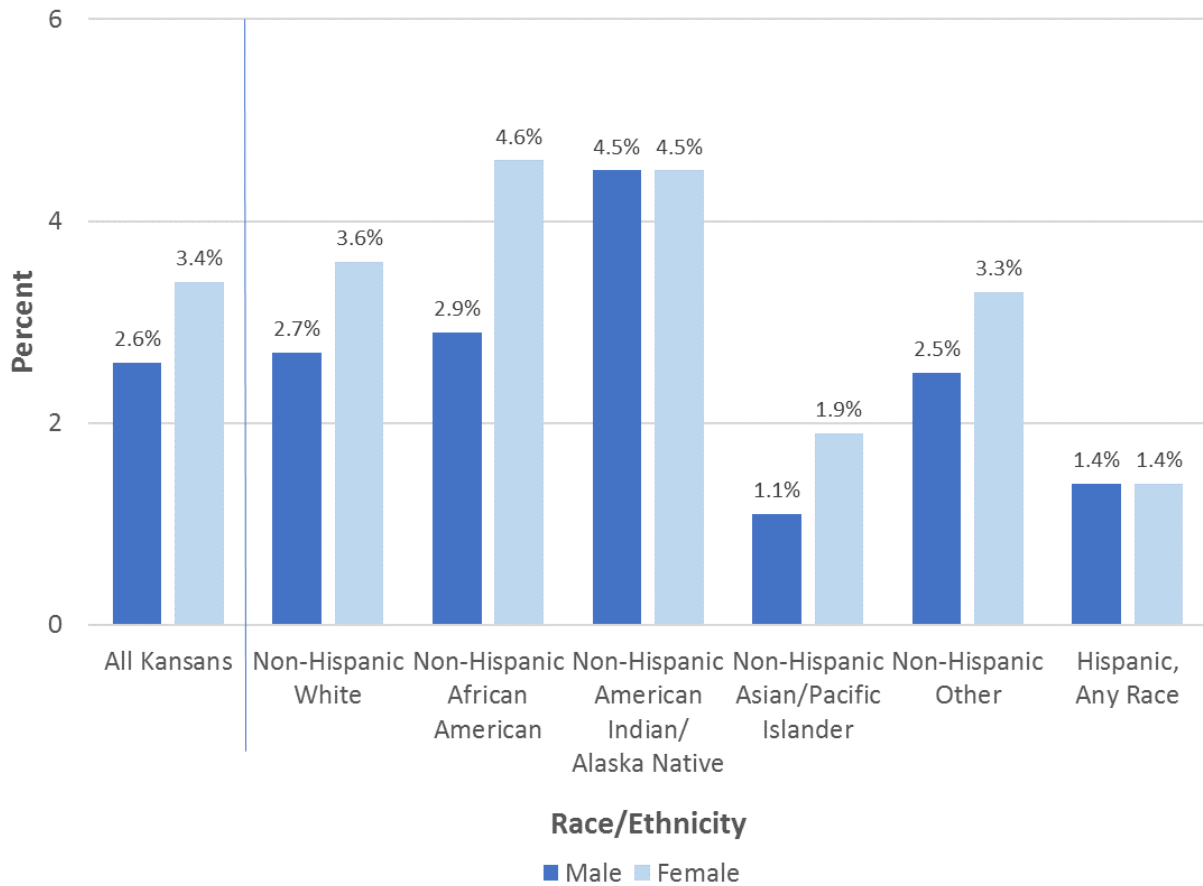
Figure 58d. Percent of Population with a Self-Care Difficulty by Race/Ethnicity in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Self-Care Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

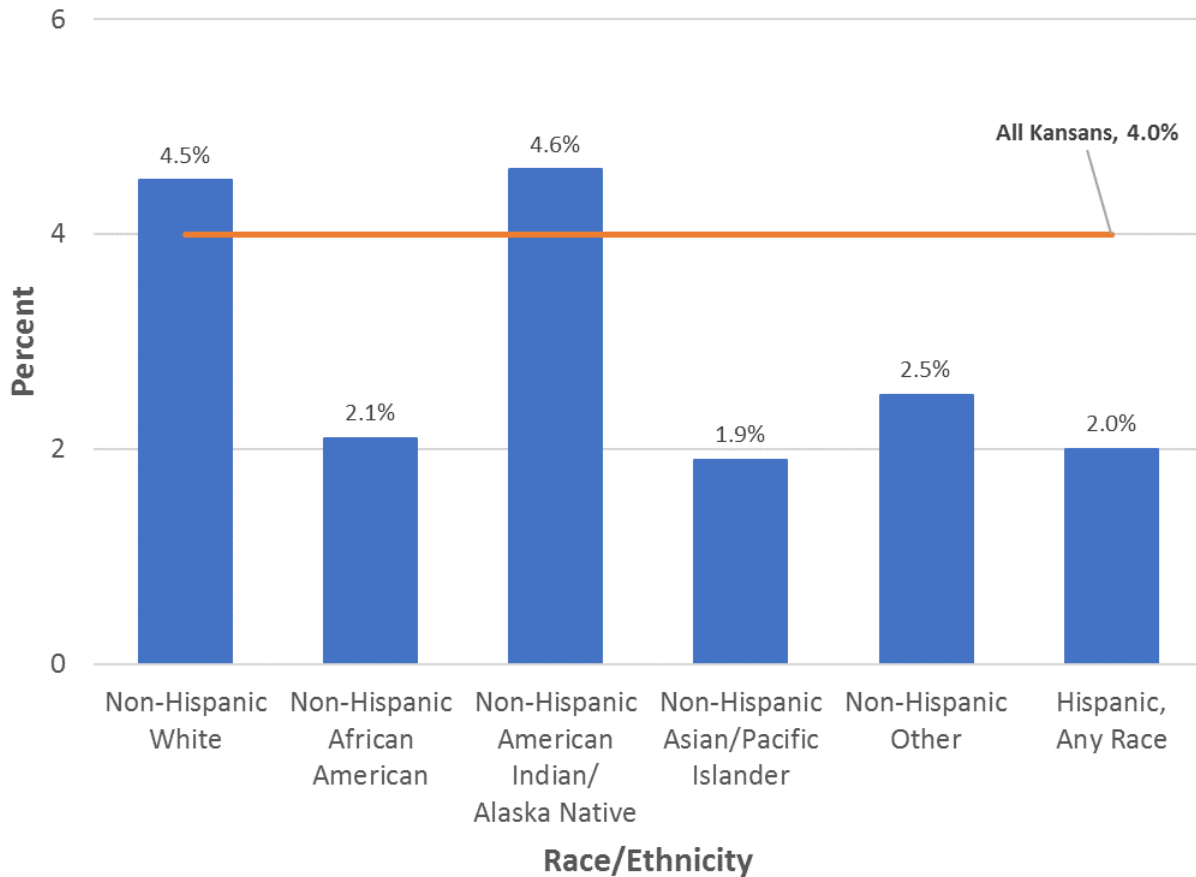
Figure 58e. Percent of Population with a Self-Care Difficulty by Race/Ethnicity and Gender in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Self-Care Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

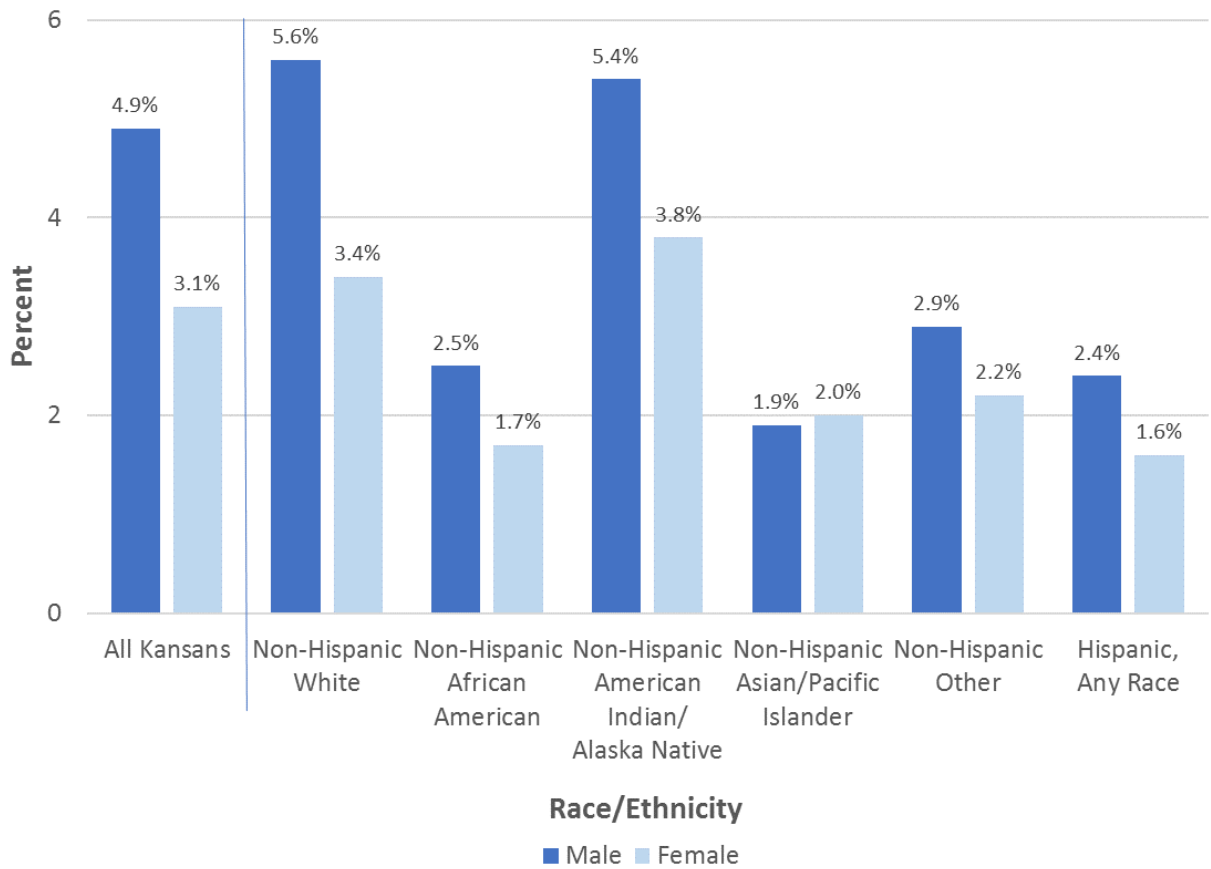
Figure 58f. Percent of Population with a Hearing Difficulty by Race/Ethnicity in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Hearing Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

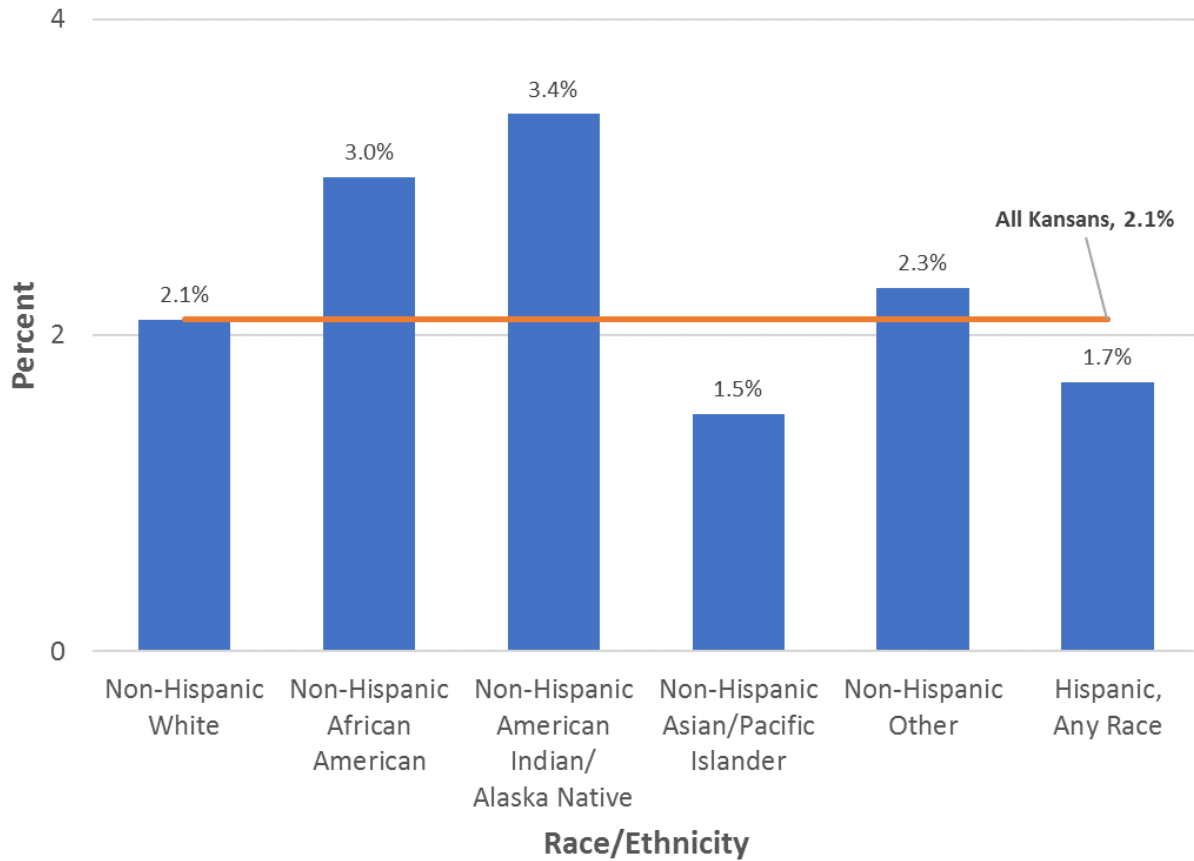
Figure 58g. Percent of Population with a Hearing Difficulty by Race/Ethnicity and Gender in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Hearing Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

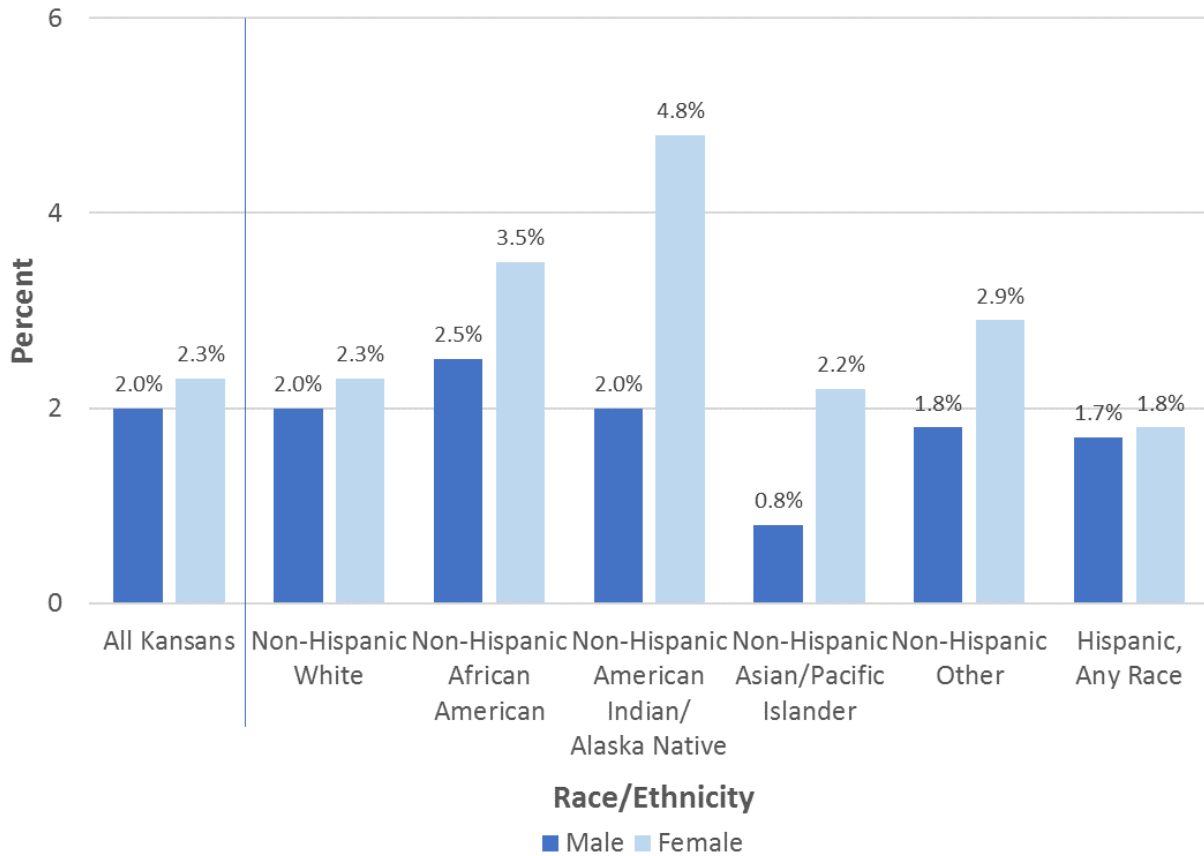
Figure 58h. Percent of Population with a Vision Difficulty by Race/Ethnicity in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Vision Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

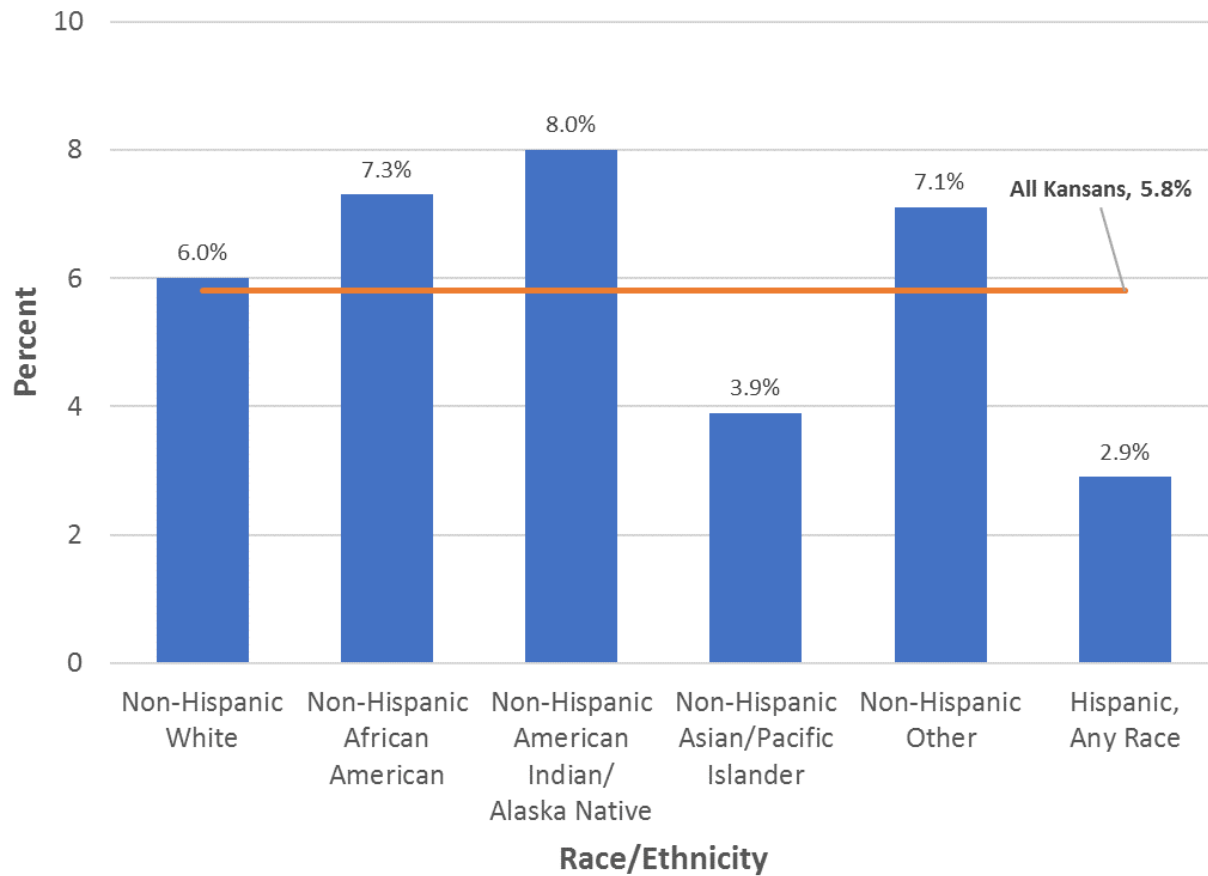
Figure 58i. Percent of Population with a Vision Difficulty by Race/Ethnicity and Gender in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Vision Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

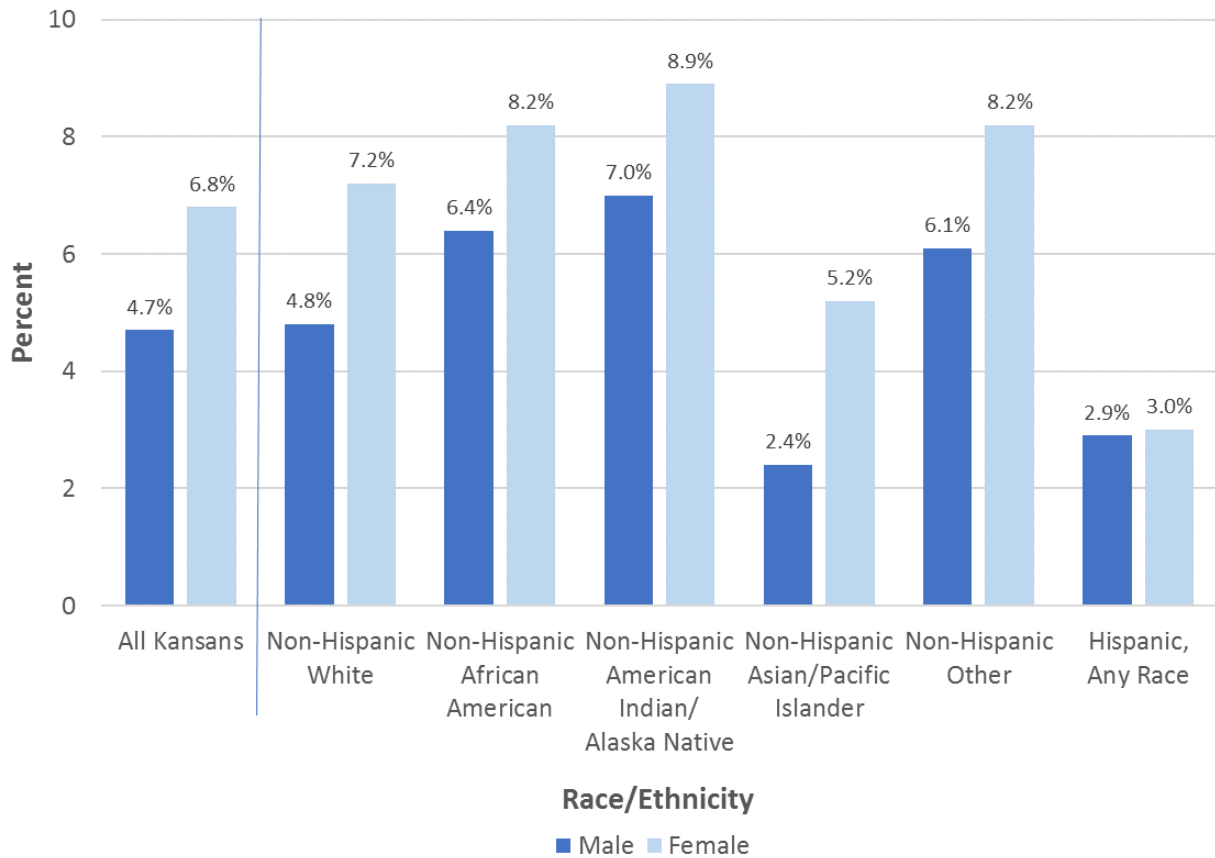
Figure 58j. Percent of Population with an Independent Living Difficulty by Race/Ethnicity in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Independent Living Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

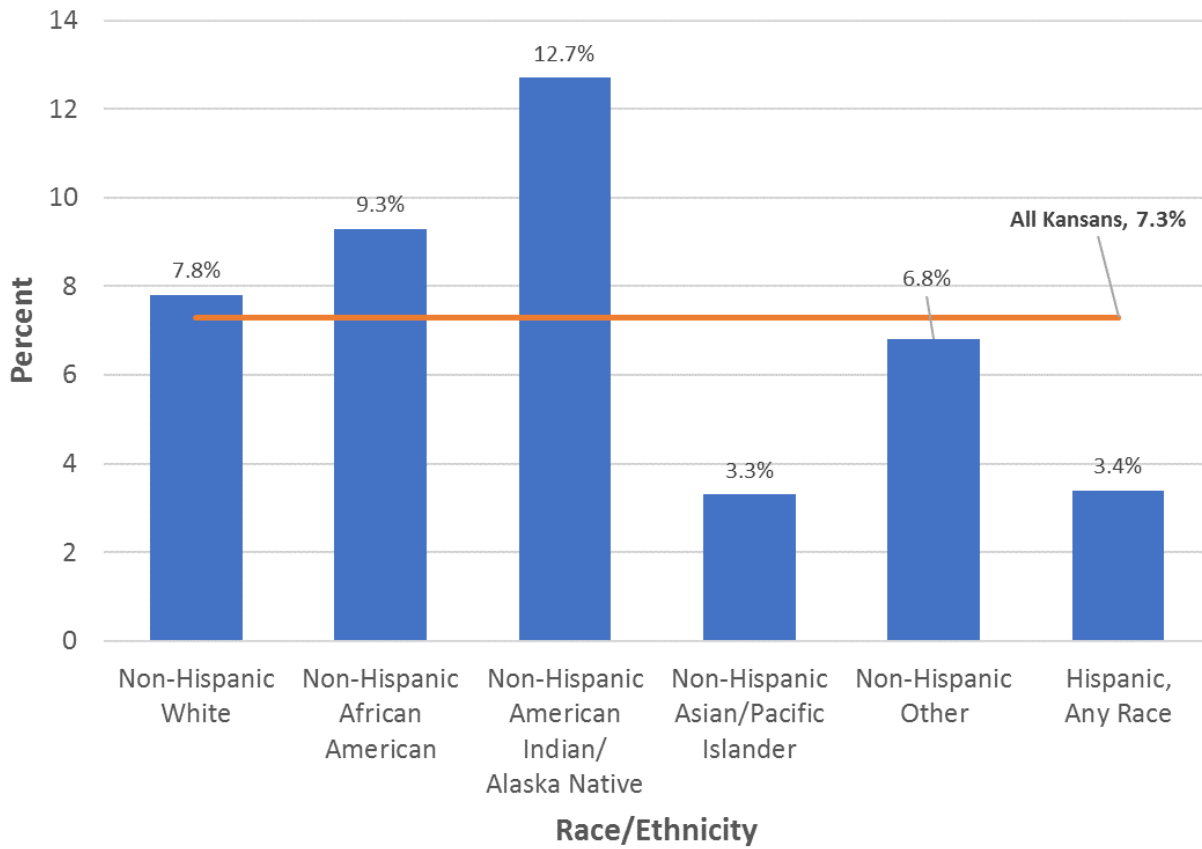
Figure 58k. Percent of Population with an Independent Living Difficulty by Race/Ethnicity and Gender in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Independent Living Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

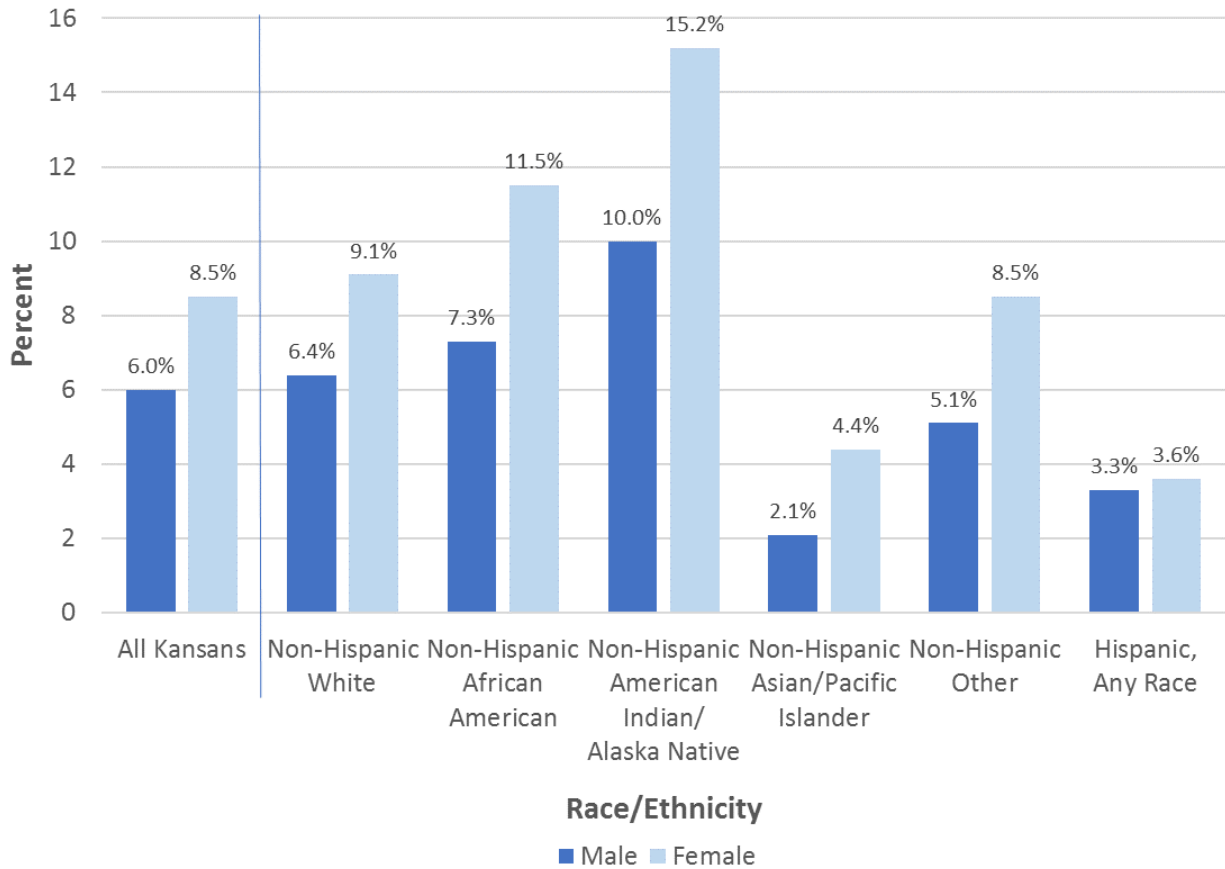
Figure 58I. Percent of Population with an Ambulatory Difficulty by Race/Ethnicity in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Ambulatory Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

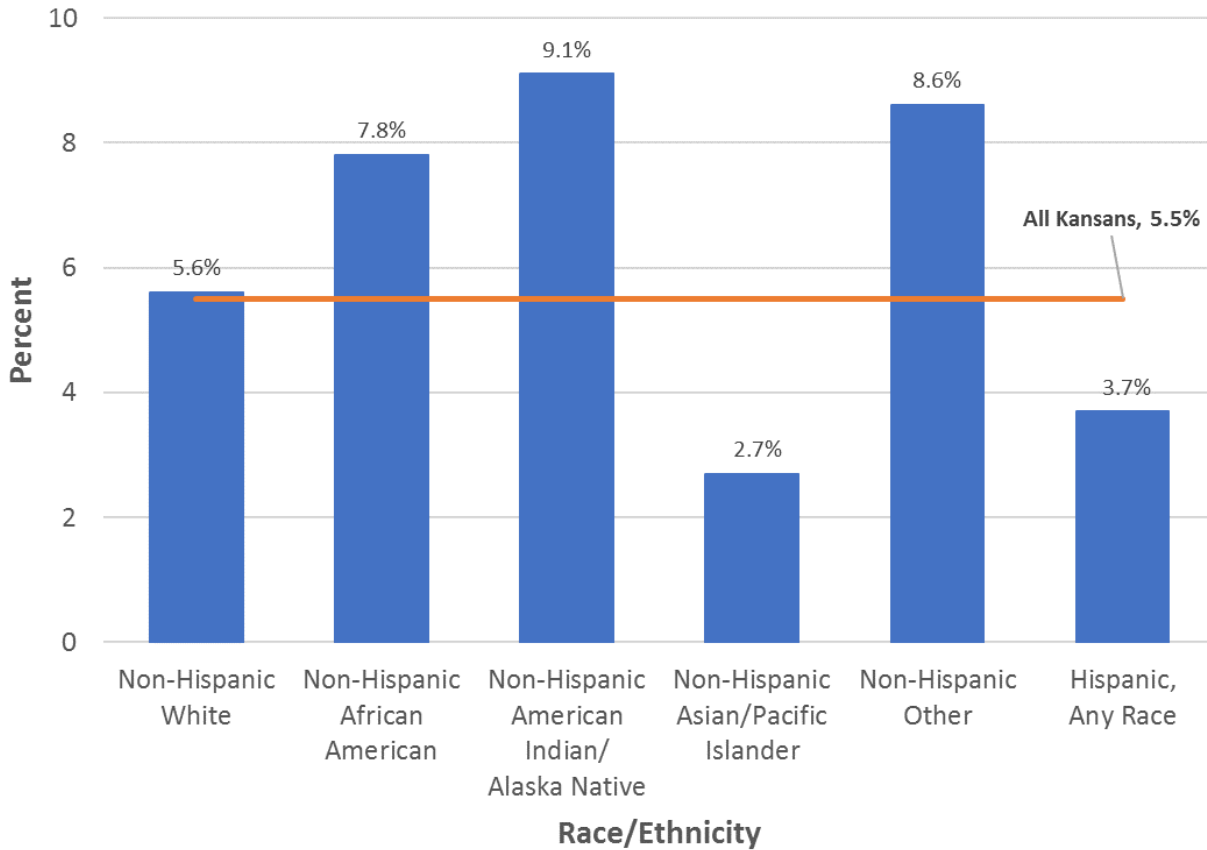
Figure 58m. Percent of Population with an Ambulatory Difficulty by Race/Ethnicity and Gender in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Ambulatory Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

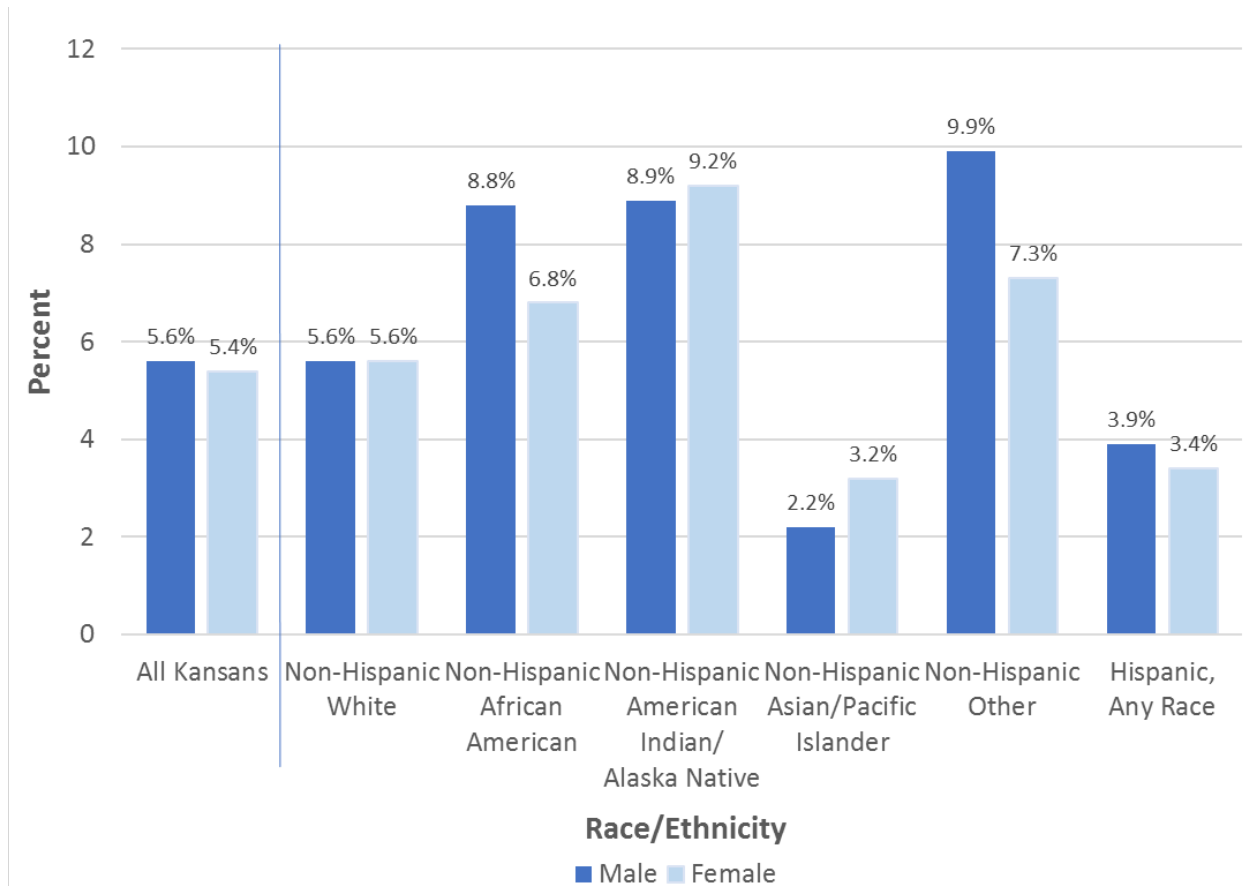
Figure 58n. Percent of Population with a Cognitive Disability by Race/Ethnicity in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Cognitive Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

Figure 58o. Percent of Population with a Cognitive Disability by Race/Ethnicity and Gender in Kansas, 2015



Note: See *Technical Notes, Appendix H* for the description of Cognitive Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

Figure 59. Percent of Adults Reporting Diabetes by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 9.7% | (9.5% - 9.9%) |
| Non-Hispanic White | 9.5% | (9.3% - 9.7%) |
| Non-Hispanic African American | 14.2% | (12.9% - 15.6%) |
| Non-Hispanic American Indian/Alaska Native | 17.8% | (14.8% - 21.1%) |
| Non-Hispanic Asian/Pacific Islander | 4.4% | (3.3% - 5.8%) |
| Non-Hispanic Other | 10.6% | (9.0% - 12.4%) |
| Hispanic, Any Race | 9.0% | (8.1% - 10.0%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported that they were told by a doctor that they have diabetes, excluding females told they had diabetes during pregnancy. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 60. Percent of Adults Reporting Hypertension by Race/Ethnicity in Kansas, 2011, 2012, 2013 and 2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 31.2% | (30.6% - 31.8%) |
| Non-Hispanic White | 32.0% | (31.4% - 32.6%) |
| Non-Hispanic African American | 40.7% | (37.1% - 44.4%) |
| Non-Hispanic American Indian/Alaska Native | 34.9% | (30.2% - 39.8%) |
| Non-Hispanic Asian/Pacific Islander | 12.3% | (9.5% - 15.8%) |
| Non-Hispanic Other | 30.5% | (25.5% - 36.0%) |
| Hispanic, Any Race | 22.5% | (19.7% - 25.4%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who have been told that they have high blood pressure (hypertension). Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined core-sample years of 2011, 2013, 2015 and half of the respondents from the 2012 state-added module.

Figure 61. Percent of Adults Reporting High Blood Cholesterol by Race/Ethnicity in Kansas, 2011, 2013 and 2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 38.0% | (37.6% - 38.5%) |
| Non-Hispanic White | 39.2% | (38.7% - 39.7%) |
| Non-Hispanic African American | 34.4% | (31.8% - 37.1%) |
| Non-Hispanic American Indian/Alaska Native | 37.1% | (31.8% - 42.8%) |
| Non-Hispanic Asian/Pacific Islander | 24.6% | (20.5% - 29.3%) |
| Non-Hispanic Other | 38.7% | (35.0% - 42.5%) |
| Hispanic, Any Race | 30.4% | (28.3% - 32.7%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who had their blood cholesterol checked and had been told that they have high blood cholesterol (among respondents who had their blood pressure checked). Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011, 2013 and 2015.

Figure 62. Percent of Adults Reporting Heart Disease by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|------|-------------------------|
| All Kansans | 4.3% | (4.1% - 4.4%) |
| Non-Hispanic White | 4.6% | (4.5% - 4.8%) |
| Non-Hispanic African American | 3.7% | (3.1% - 4.4%) |
| Non-Hispanic American Indian/Alaska Native | 5.7% | (4.3% - 7.5%) |
| Non-Hispanic Asian/Pacific Islander | 0.9% | (0.5% - 1.7%) |
| Non-Hispanic Other | 5.6% | (4.5% - 7.0%) |
| Hispanic, Any Race | 1.9% | (1.5% - 2.4%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported that they were told by a doctor that they have angina or coronary heart disease. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 63. Percent of Adults Reporting Asthma by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 8.7% | (8.5% - 9.0%) |
| Non-Hispanic White | 8.6% | (8.4% - 8.9%) |
| Non-Hispanic African American | 12.0% | (10.6% - 13.5%) |
| Non-Hispanic American Indian/Alaska Native | 17.7% | (14.5% - 21.5%) |
| Non-Hispanic Asian/Pacific Islander | 5.0% | (3.4% - 7.3%) |
| Non-Hispanic Other | 15.1% | (13.0% - 17.6%) |
| Hispanic, Any Race | 5.6% | (4.9% - 6.5%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on all respondents (age 18 and older) who reported they had been told by a doctor or health care professional that they had asthma and that they currently have asthma. Non-Hispanic Other combined non-Hispanics identifying Some Other Race and non-Hispanics identifying as Two or More Races.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 64. Percent of Selected Children with Asthma by Race/Ethnicity in Kansas, 2011-2015 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 9.1% | (8.6% - 9.6%) |
| Non-Hispanic White | 8.6% | (8.1% - 9.2%) |
| Non-Hispanic African American | 17.8% | (14.9% - 21.0%) |
| Non-Hispanic American Indian/Alaska Native | 17.0% | (11.0% - 25.2%) |
| Non-Hispanic Asian/Pacific Islander | 5.2% | (2.7% - 9.5%) |
| Non-Hispanic Other | 15.3% | (11.1% - 20.7%) |
| Hispanic, Any Race | 6.8% | (5.4% - 8.5%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on respondents (age 18 and older) who reported that a randomly selected child in the household (under age 18) had current asthma. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined years of 2011-2015.

Figure 65. Percent of Adults Reporting Having a Permanent Tooth Removed by Race/Ethnicity in Kansas, 2011, 2012 and 2014 (Combined)

| | % | 95% Confidence Interval |
|---|-------|-------------------------|
| All Kansans | 41.9% | (41.3% - 42.5%) |
| Non-Hispanic White | 41.8% | (41.2% - 42.4%) |
| Non-Hispanic African American | 52.8% | (49.5% - 56.1%) |
| Non-Hispanic American Indian/Alaska Native | 56.7% | (50.3% - 62.9%) |
| Non-Hispanic Asian/Pacific Islander | 29.6% | (25.1% - 34.6%) |
| Non-Hispanic Other | 42.1% | (37.7% - 46.7%) |
| Hispanic, Any Race | 37.1% | (34.5% - 39.7%) |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Based on respondents (age 18 and older) who reported that they had one or more permanent teeth removed because of tooth decay or gum disease. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of the Behavioral Risk Factor Surveillance System survey for the combined core-sample years of 2012, 2014, and the full sample of the 2011 state-added module.

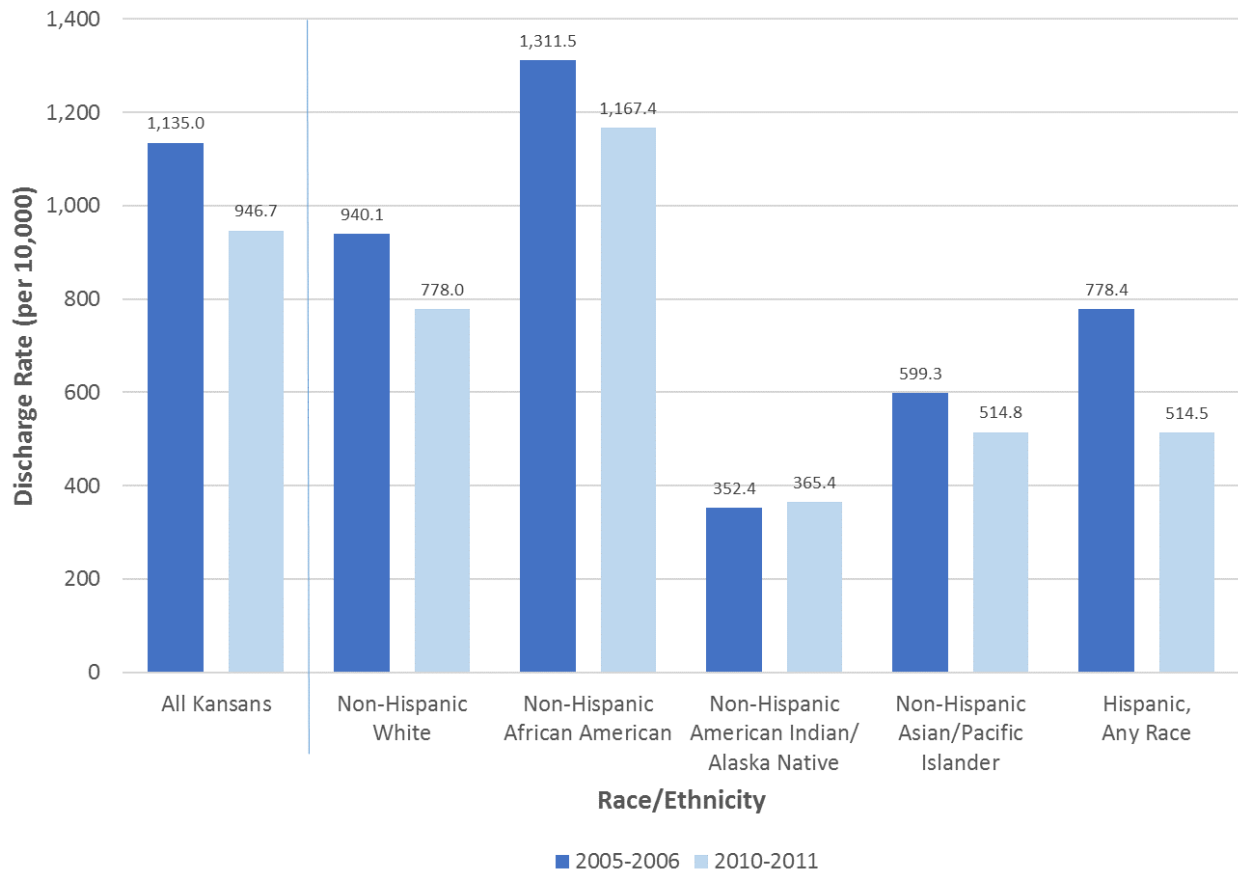
Figure 66a. Age-Adjusted Hospital Discharge Rates by Race/Ethnicity and Gender in Kansas, FFY 2005-2006 and 2010-2011

| | All Kansans | | Non-Hispanic | | | | | | | | | | |
|--|-------------|-----------|--------------------|-----------|------------------|-----------|--|-----------|-------------------------------------|-----------|-----------|-----------|-------|
| | | | Non-Hispanic White | | African American | | Non-Hispanic American Indian/ Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic | | |
| | 2005-2006 | 2010-2011 | 2005-2006 | 2010-2011 | 2005-2006 | 2010-2011 | 2005-2006 | 2010-2011 | 2005-2006 | 2010-2011 | 2005-2006 | 2010-2011 | |
| All Discharges | Male | 960.2 | 813.2 | 802.9 | 668.8 | 1,078.6 | 968.1 | 310.4 | 305.5 | 495.5 | 409.2 | 620.2 | 404.3 |
| | Female | 1,324.4 | 1,090.4 | 1,085.7 | 893.3 | 1,553.2 | 1,386.9 | 404.3 | 422.9 | 697.2 | 611.3 | 976.4 | 644.5 |
| | Total | 1,135.0 | 946.7 | 940.1 | 778.0 | 1,311.5 | 1,167.4 | 352.4 | 365.4 | 599.3 | 514.8 | 778.4 | 514.5 |
| Circulatory System Disorders | Male | 177.3 | 122.8 | 146.2 | 99.6 | 219.2 | 187.2 | 40.9 | 49.5 | 61.2 | 54.1 | 106.4 | 57.8 |
| | Female | 132.3 | 89.3 | 108.1 | 70.3 | 221.4 | 178.5 | 38.2 | 38.1 | 62.9 | 43.1 | 91.4 | 41.7 |
| | Total | 152.7 | 104.6 | 125.5 | 83.7 | 220.4 | 181.5 | 39.6 | 43.6 | 63.0 | 47.8 | 98.9 | 49.3 |
| Respiratory System Disorders | Male | 124.3 | 96.8 | 106.3 | 79.6 | 135.2 | 111.5 | 57.5 | 40.4 | 80.0 | 60.9 | 65.5 | 46.5 |
| | Female | 115.0 | 90.1 | 98.1 | 74.6 | 138.3 | 119.2 | 35.3 | 39.0 | 59.3 | 47.3 | 51.6 | 34.9 |
| | Total | 118.1 | 92.4 | 100.8 | 76.2 | 135.4 | 114.6 | 44.8 | 39.9 | 68.1 | 52.8 | 58.0 | 40.3 |
| Digestive System Disorders | Male | 93.5 | 73.6 | 78.7 | 61.3 | 93.6 | 82.2 | 19.6 | 24.2 | 55.2 | 39.4 | 67.4 | 36.7 |
| | Female | 109.4 | 83.8 | 93.0 | 70.7 | 127.9 | 110.3 | 32.0 | 33.9 | 56.0 | 39.7 | 68.1 | 37.8 |
| | Total | 101.5 | 79.0 | 86.0 | 66.1 | 112.1 | 97.0 | 25.9 | 30.4 | 56.4 | 39.6 | 67.8 | 37.3 |
| Musculoskeletal Disorders | Male | 83.2 | 75.4 | 70.5 | 63.9 | 68.2 | 66.8 | 18.9 | 23.9 | 23.5 | 17.7 | 48.0 | 34.1 |
| | Female | 101.5 | 86.2 | 86.0 | 72.5 | 87.3 | 86.2 | 21.5 | 26.1 | 35.7 | 30.2 | 55.0 | 33.7 |
| | Total | 94.1 | 81.6 | 79.6 | 68.9 | 79.6 | 77.8 | 21.1 | 27.7 | 30.6 | 25.1 | 52.2 | 34.1 |
| Nervous System Disorders | Male | 60.8 | 53.6 | 51.3 | 41.5 | 81.4 | 75.1 | 13.2 | 12.6 | 38.1 | 26.2 | 41.1 | 25.7 |
| | Female | 58.5 | 50.2 | 50.2 | 39.4 | 87.2 | 82.9 | 11.1 | 14.5 | 41.5 | 26.0 | 31.3 | 23.5 |
| | Total | 59.3 | 51.6 | 50.4 | 40.3 | 84.0 | 78.8 | 13.6 | 14.5 | 40.7 | 26.4 | 36.0 | 24.6 |
| Mental Health Disorders | Male | 39.9 | 40.8 | 36.3 | 31.2 | 68.9 | 46.4 | 18.1 | 26.1 | 32.5 | 8.6 | 16.7 | 8.5 |
| | Female | 50.7 | 49.7 | 45.7 | 37.8 | 79.7 | 59.7 | 21.0 | 33.0 | 46.2 | 7.4 | 24.1 | 14.3 |
| | Total | 45.2 | 45.4 | 41.0 | 34.6 | 74.6 | 53.1 | 20.5 | 30.6 | 40.2 | 8.3 | 20.1 | 11.3 |
| Endocrine/ Metabolic Disorders | Male | 32.1 | 26.8 | 27.1 | 21.5 | 47.5 | 44.2 | 12.7 | 11.5 | 17.2 | 18.3 | 22.8 | 17.0 |
| | Female | 47.1 | 33.8 | 40.5 | 28.2 | 72.3 | 56.9 | 11.2 | 12.2 | 24.4 | 28.3 | 28.6 | 17.9 |
| | Total | 39.8 | 30.7 | 34.1 | 25.0 | 60.7 | 50.9 | 11.9 | 13.2 | 21.6 | 24.2 | 25.7 | 17.6 |
| Liver, Pancreas, Kidney and Urinary Disorders | Male | 66.0 | 61.5 | 54.5 | 47.9 | 86.6 | 91.1 | 21.1 | 17.3 | 35.9 | 28.4 | 52.8 | 37.6 |
| | Female | 72.9 | 64.9 | 60.5 | 50.9 | 94.4 | 102.4 | 30.8 | 30.6 | 34.9 | 33.6 | 69.4 | 44.7 |
| | Total | 68.9 | 62.7 | 57.0 | 49.1 | 90.9 | 97.1 | 29.8 | 25.1 | 35.7 | 31.9 | 60.2 | 40.9 |
| Maternal Care | Female | 313.1 | 272.3 | 237.9 | 219.4 | 301.3 | 283.0 | 102.4 | 99.2 | 169.2 | 186.6 | 335.1 | 251.6 |
| | Male | 146.2 | 140.5 | 125.2 | 114.7 | 180.8 | 179.3 | 57.9 | 59.5 | 63.3 | 56.7 | 94.4 | 69.4 |
| All Other Disorders | Female | 186.7 | 150.0 | 158.4 | 123.6 | 242.6 | 222.4 | 53.6 | 61.2 | 80.1 | 75.6 | 112.7 | 72.6 |
| | Total | 166.0 | 144.8 | 141.6 | 118.8 | 211.9 | 199.4 | 54.8 | 60.8 | 72.4 | 67.2 | 102.2 | 70.7 |

Note: Rates are for two, two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons using the U.S. 2000 standard population. Denominators based on the National Center for Health Statistics' bridged-race population estimates. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.

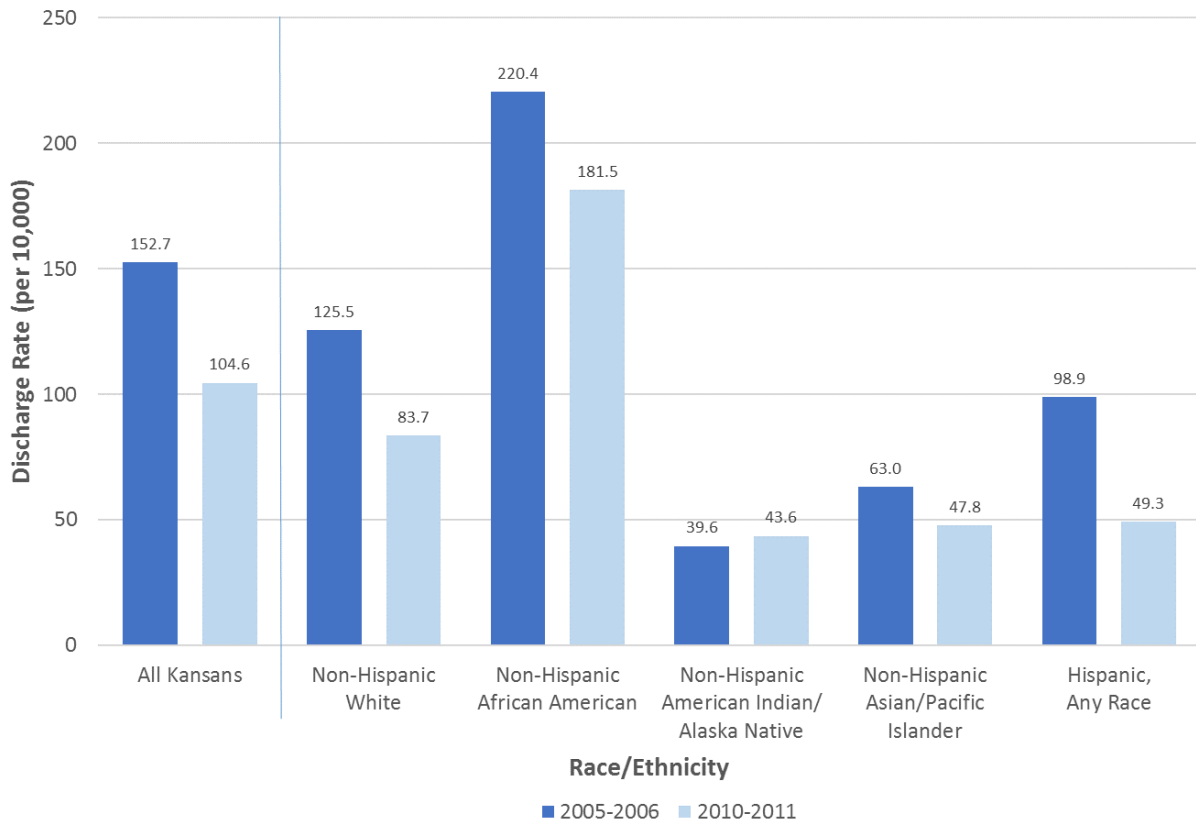
Figure 66b. Age-Adjusted All Condition Hospital Discharge Rates by Race/Ethnicity in Kansas, FFY 2005-2006 and 2010-2011



Note: Rates are for two, two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons using the U.S. 2000 standard population. Denominators based on the National Center for Health Statistics' bridged-race population estimates. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.

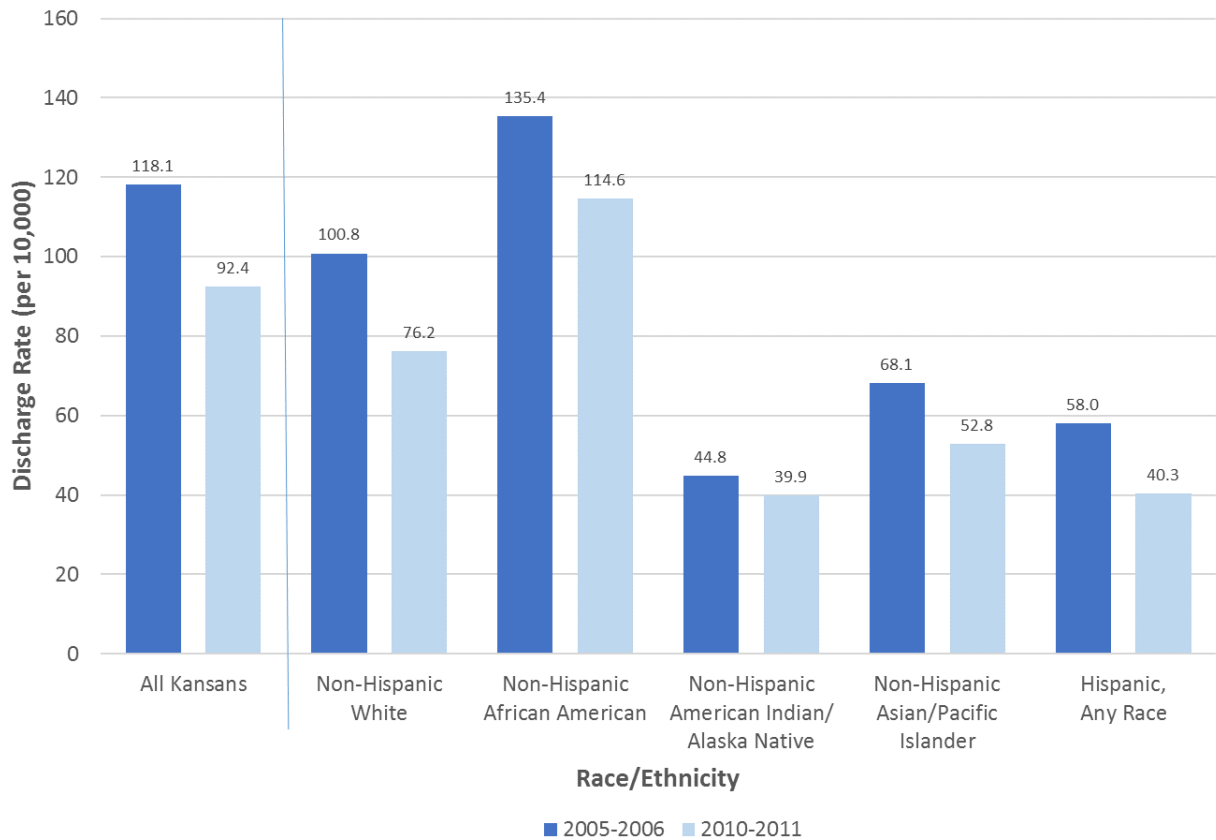
Figure 66c. Age-Adjusted Circulatory Condition Hospital Discharge Rates by Race/Ethnicity in Kansas, FFY 2005-2006 and 2010-2011



Note: Rates are for two, two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons using the U.S. 2000 standard population. Denominators based on the National Center for Health Statistics' bridged-race population estimates. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.

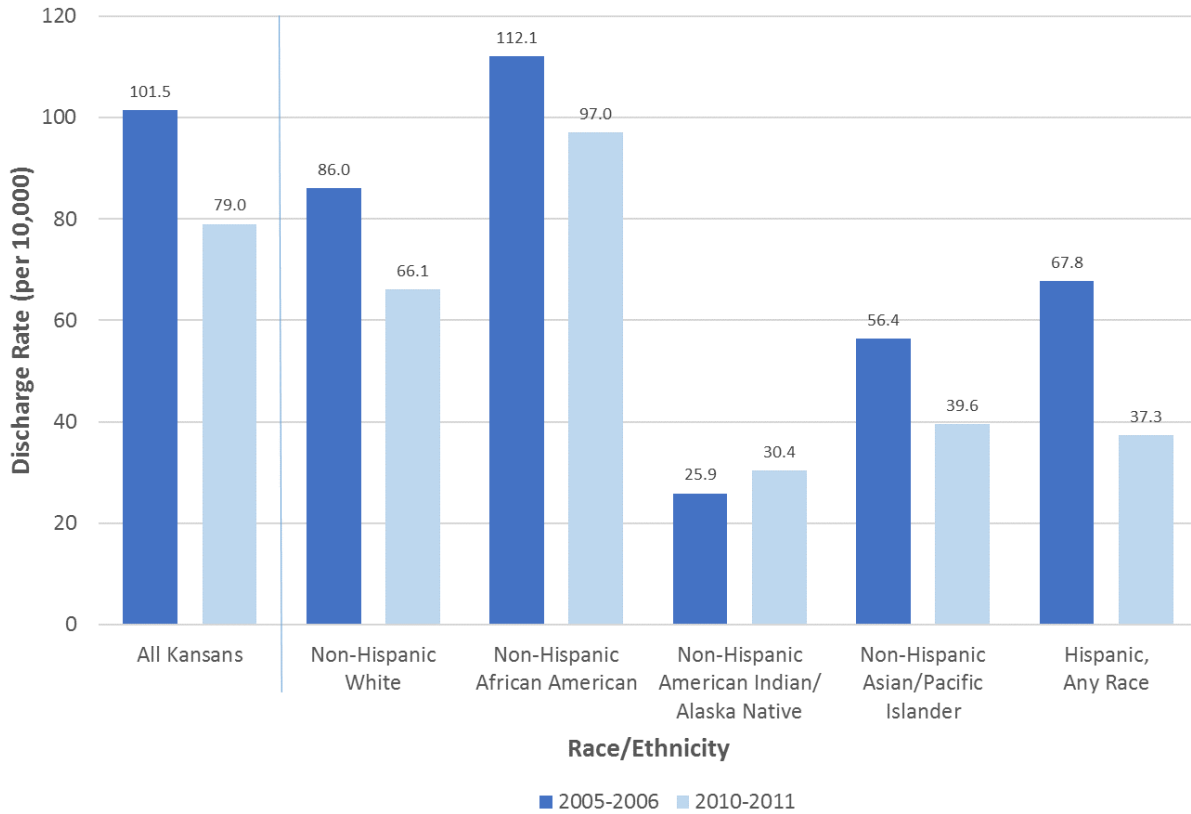
Figure 66d. Age-Adjusted Respiratory Condition Hospital Discharge Rates by Race/Ethnicity in Kansas, FFY 2005-2006 and 2010-2011



Note: Rates are for two, two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons using the U.S. 2000 standard population. Denominators based on the National Center for Health Statistics' bridged-race population estimates. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.

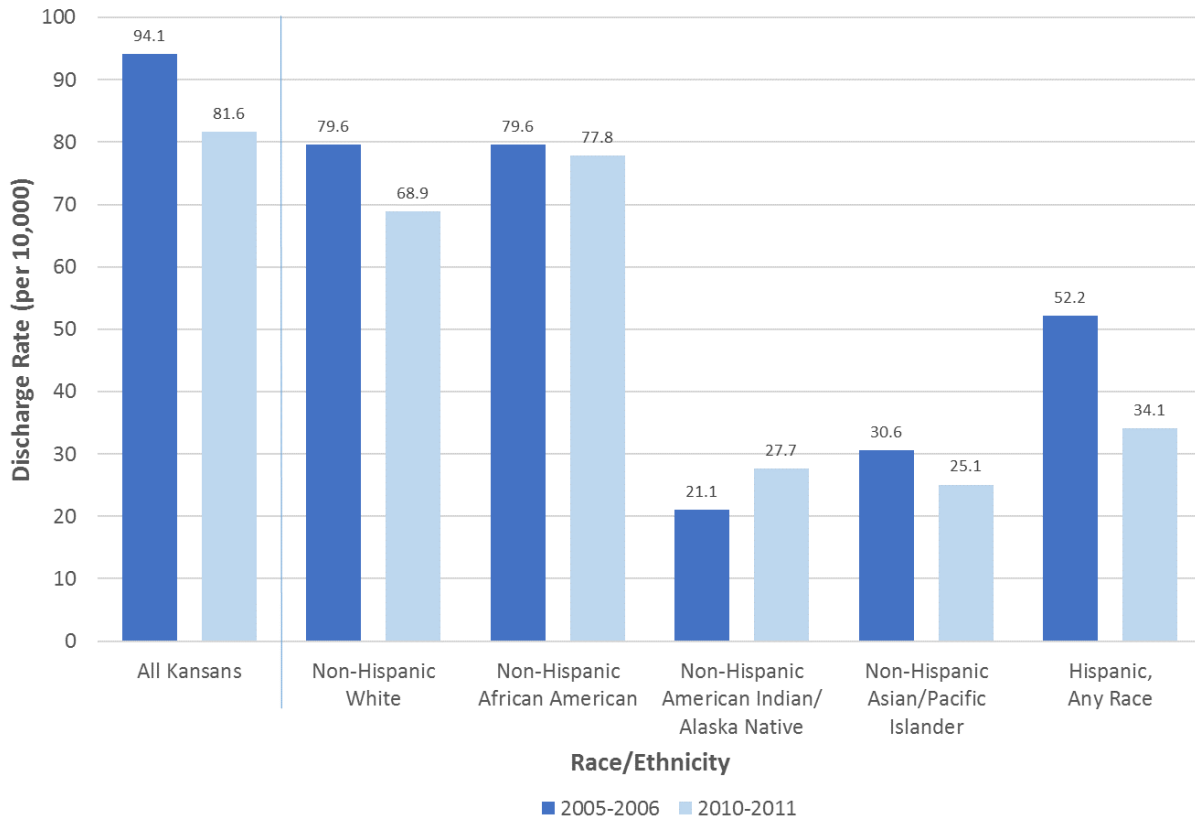
Figure 66e. Age-Adjusted Digestive System Condition Hospital Discharge Rates by Race/Ethnicity in Kansas, FFY 2005-2006 and 2010-2011



Note: Rates are for two, two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons using the U.S. 2000 standard population. Denominators based on the National Center for Health Statistics' bridged-race population estimates. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.

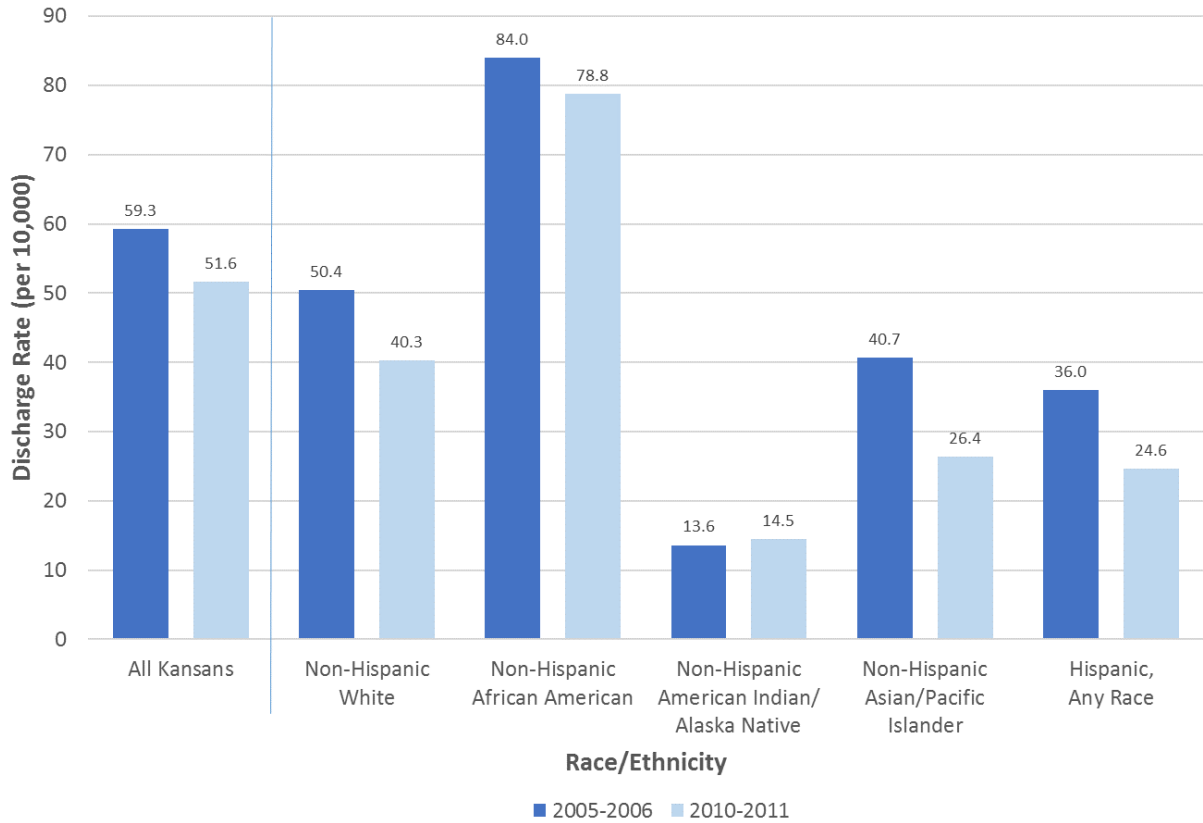
Figure 66f. Age-Adjusted Musculoskeletal Condition Hospital Discharge Rates by Race/Ethnicity in Kansas, FFY 2005-2006 and 2010-2011



Note: Rates are for two, two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons using the U.S. 2000 standard population. Denominators based on the National Center for Health Statistics' bridged-race population estimates. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.

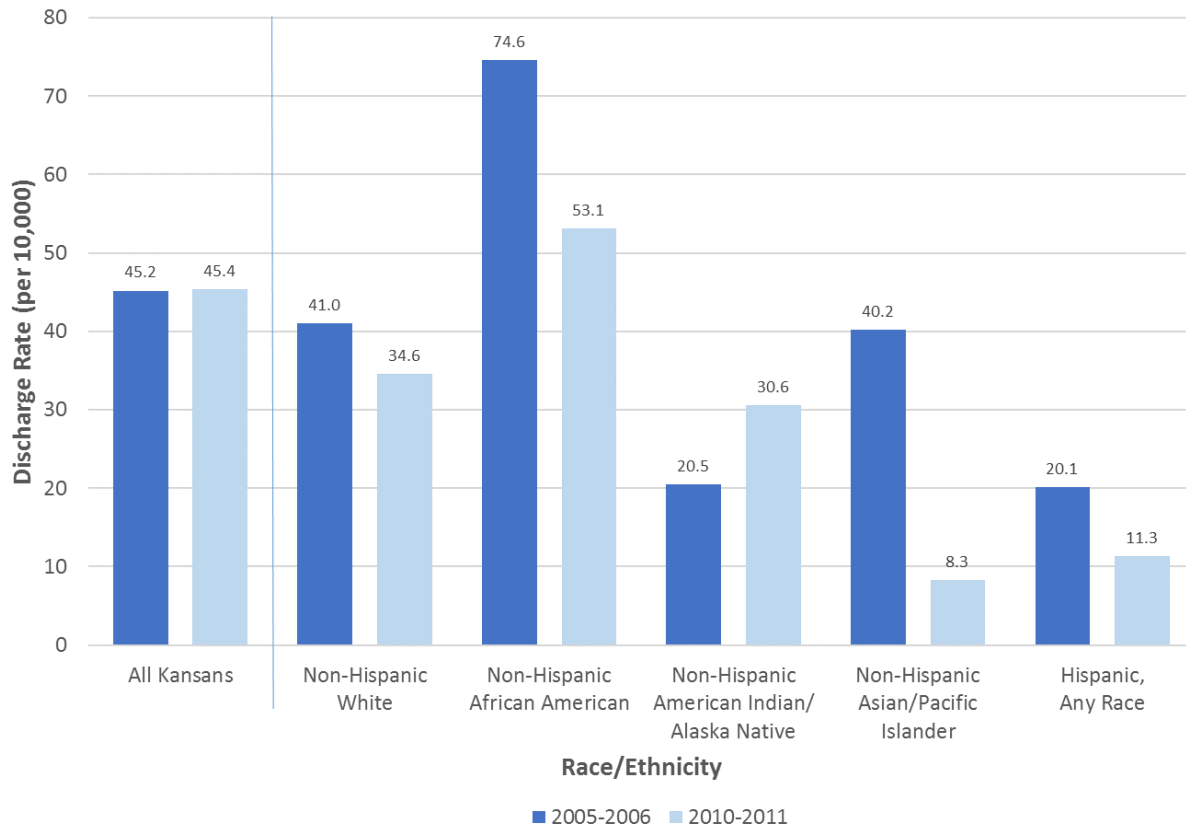
Figure 66g. Age-Adjusted Nervous System Condition Hospital Discharge Rates by Race/Ethnicity in Kansas, FFY 2005-2006 and 2010-2011



Note: Rates are for two, two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons using the U.S. 2000 standard population. Denominators based on the National Center for Health Statistics' bridged-race population estimates. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.

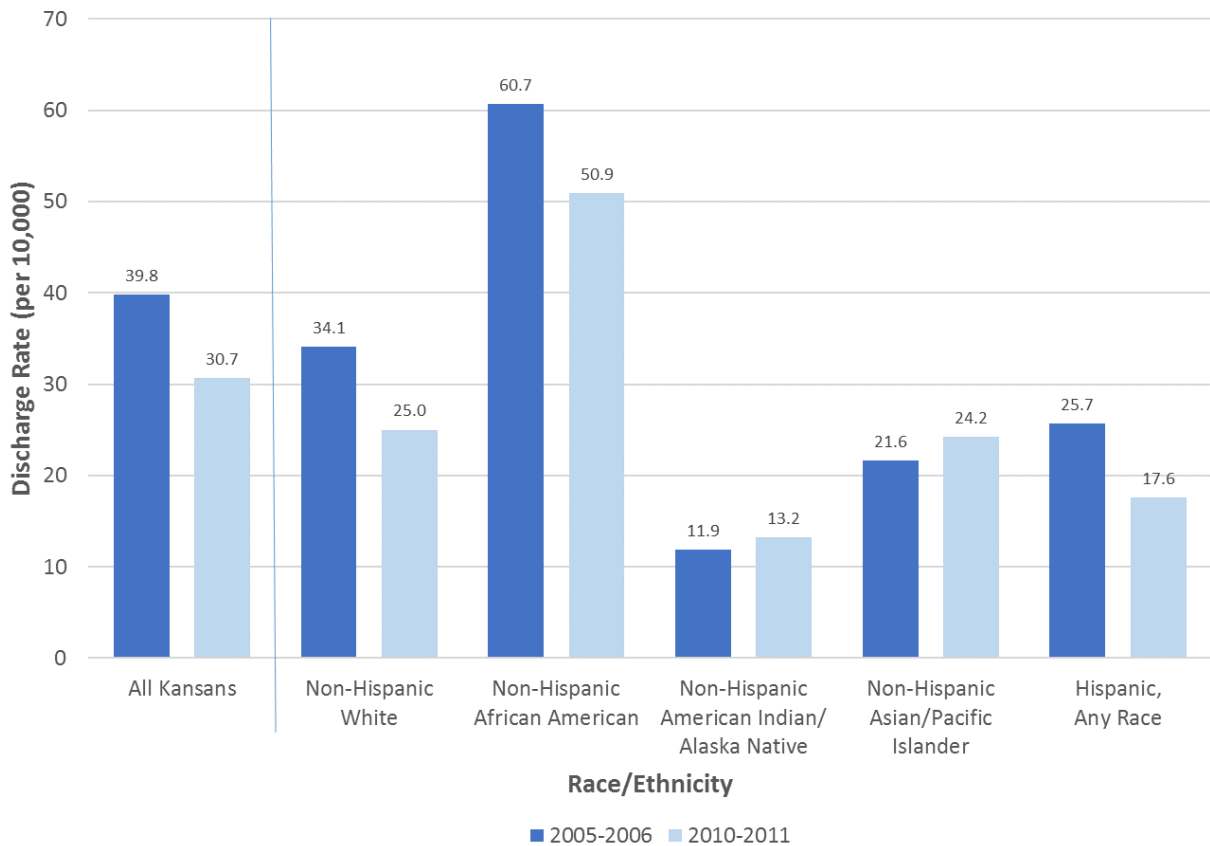
Figure 66h. Age-Adjusted Mental Health Condition Hospital Discharge Rates by Race/Ethnicity in Kansas, FFY 2005-2006 and 2010-2011



Note: Rates are for two, two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons using the U.S. 2000 standard population. Denominators based on the National Center for Health Statistics' bridged-race population estimates. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.

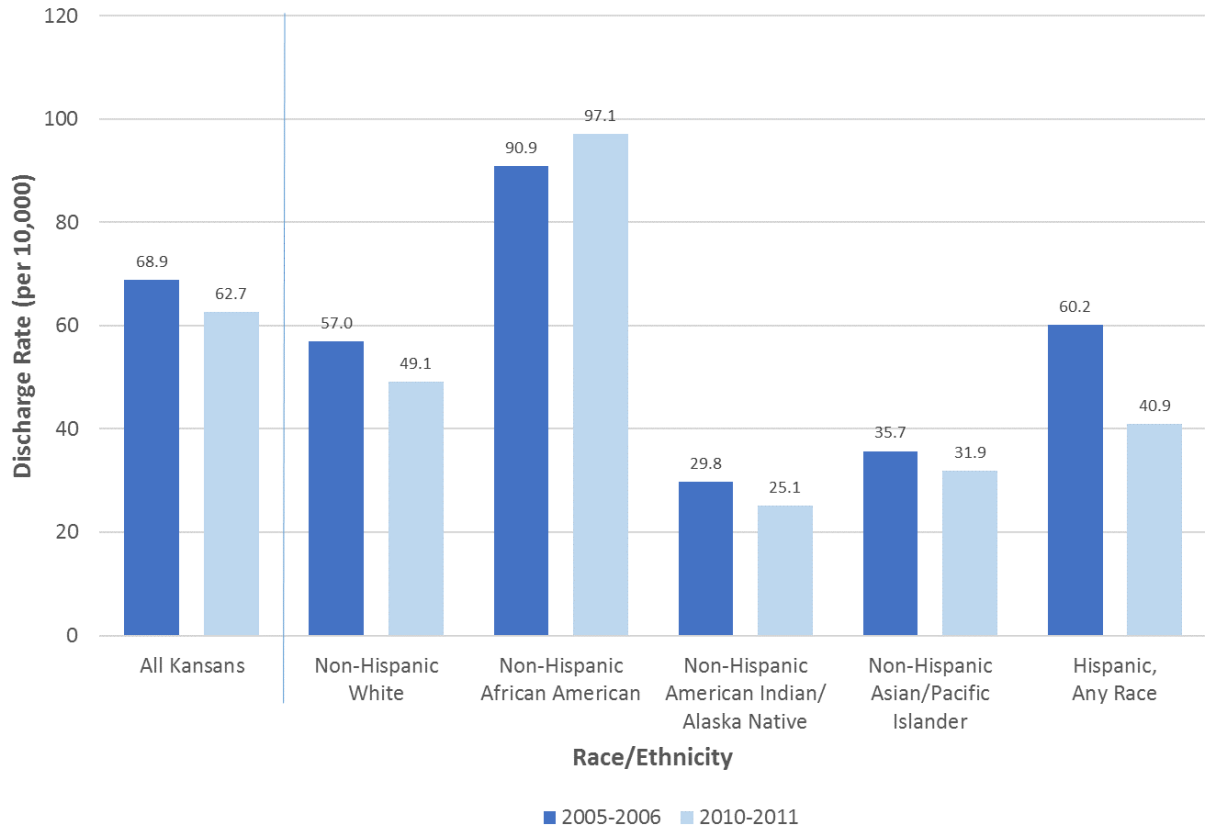
Figure 66i. Age-Adjusted Endocrine/Metabolic Condition Hospital Discharge Rates by Race/Ethnicity in Kansas, FFY 2005-2006 and 2010-2011



Note: Rates are for two, two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons using the U.S. 2000 standard population. Denominators based on the National Center for Health Statistics' bridged-race population estimates. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.

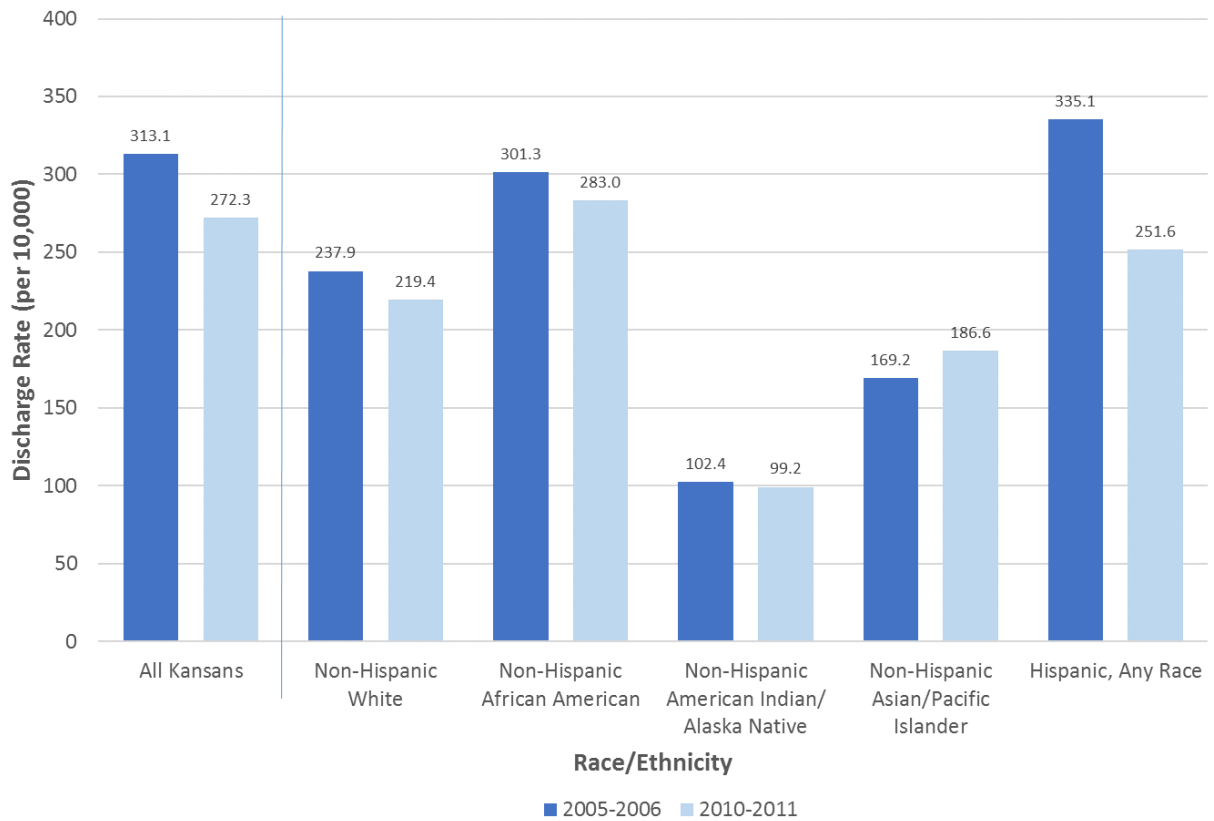
Figure 66j. Age-Adjusted Liver, Pancreas, Kidney and Urinary Disorders Hospital Discharge Rates by Race/Ethnicity in Kansas, FFY 2005-2006 and 2010-2011



Note: Rates are for two, two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons using the U.S. 2000 standard population. Denominators based on the National Center for Health Statistics' bridged-race population estimates. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.

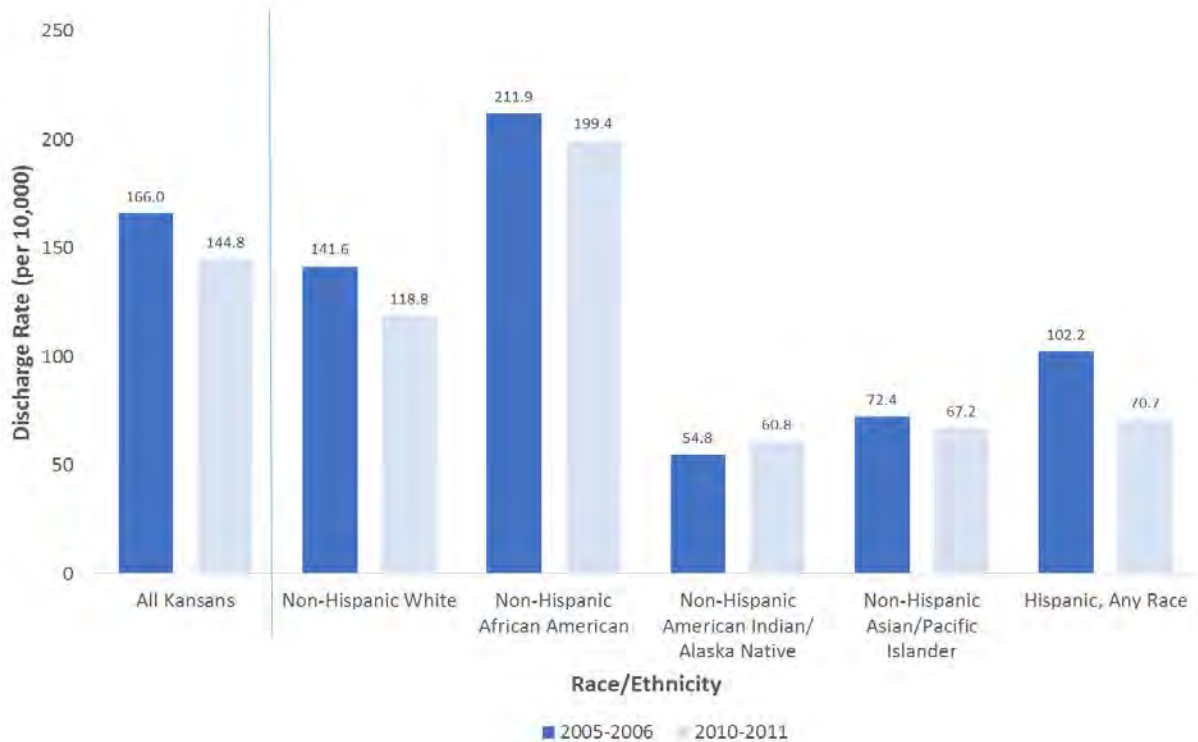
Figure 66k. Age-Adjusted Maternal Care Hospital Discharge Rates by Race/Ethnicity in Kansas, FFY 2005-2006 and 2010-2011



Note: Rates are for two, two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons using the U.S. 2000 standard population. Denominators based on the National Center for Health Statistics' bridged-race population estimates. Rates for Other non-Hispanics are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.

Figure 66l. Age-Adjusted All Other Disorders Hospital Discharge Rates by Race/Ethnicity in Kansas, FFY 2005-2006 and 2010-2011



Note: Rates are for two, two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons using the U.S. 2000 standard population. Denominators based on the National Center for Health Statistics' bridged-race population estimates. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.

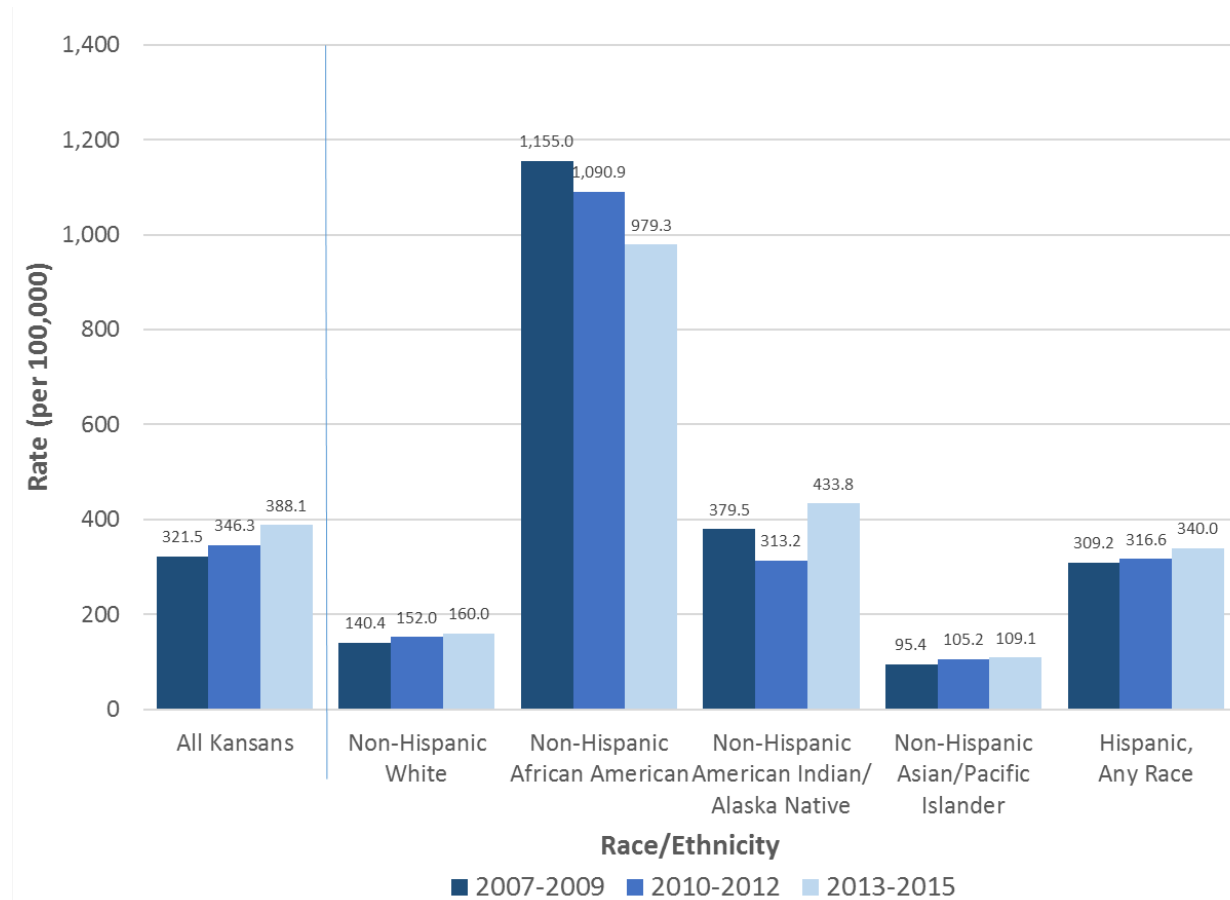
Figure 67a. Chlamydia Incidence Rates by Race/Ethnicity and Gender in Kansas, 2007-2015

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | | |
|------------------|-------------|--------|--------------------|--------|-------------------------------|-------|--|------|-------------------------------------|------|--------------------|-------|-------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | |
| 2007-2009 | Male | 5,522 | 132.3 | 1,643 | 49.4 | 1,541 | 569.0 | 53 | 126.8 | 43 | 42.2 | 420 | 96.7 |
| | Female | 21,565 | 507.5 | 7,855 | 228.3 | 4,608 | 1,761.8 | 268 | 626.6 | 158 | 145.3 | 2,146 | 542.2 |
| | Total | 27,087 | 321.5 | 9,498 | 140.4 | 6,149 | 1,155.0 | 321 | 379.5 | 201 | 95.4 | 2,566 | 309.2 |
| 2010-2012 | Male | 6,980 | 163.2 | 2,143 | 63.9 | 1,866 | 651.8 | 50 | 117.4 | 54 | 48.4 | 583 | 120.6 |
| | Female | 22,838 | 527.0 | 8,197 | 237.5 | 4,245 | 1,550.0 | 221 | 502.9 | 190 | 157.8 | 2,352 | 530.3 |
| | Total | 29,818 | 346.3 | 10,340 | 152.0 | 6,111 | 1,090.9 | 271 | 313.2 | 244 | 105.2 | 2,935 | 316.6 |
| 2013-2015 | Male | 8,730 | 201.0 | 2,613 | 77.8 | 1,872 | 625.7 | 73 | 169.8 | 61 | 48.1 | 774 | 150.1 |
| | Female | 25,076 | 574.3 | 8,255 | 240.4 | 3,812 | 1,355.5 | 305 | 690.9 | 223 | 167.0 | 2,591 | 546.5 |
| | Total | 33,806 | 388.1 | 10,868 | 160.0 | 5,684 | 979.3 | 378 | 433.8 | 284 | 109.1 | 3,365 | 340.0 |

Note: Rates are per 100,000 persons. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistic's bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of Kansas Department of Health and Environment Bureau of Disease Control and Prevention data for the combined years of 2007-2009, 2010-2012 and 2013-2015.

Figure 67b. Chlamydia Incidence Rates by Race/Ethnicity in Kansas, 2007-2015



Note: Rates are per 100,000 persons. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistic's bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of Kansas Department of Health and Environment Bureau of Disease Control and Prevention data for the combined years of 2007-2009, 2010-2012 and 2013-2015.

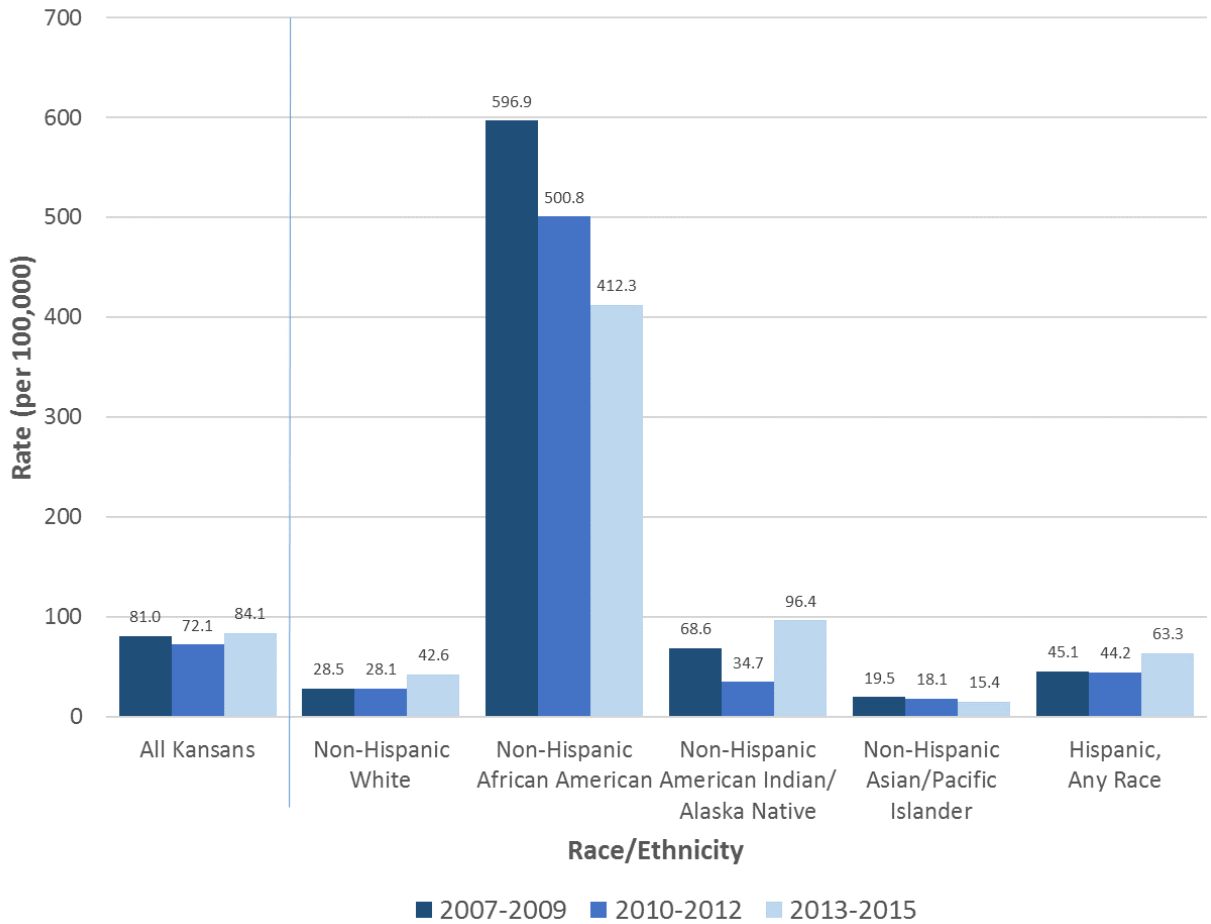
Figure 68a. Gonorrhea Incidence Rates by Race/Ethnicity and Gender in Kansas, 2007-2015

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | | |
|------------------|-------------|-------|--------------------|-------|-------------------------------|-------|--|------|-------------------------------------|------|--------------------|------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | |
| 2007-2009 | Male | 2,565 | 61.4 | 427 | 12.8 | 1,487 | 549.0 | 21 | 50.2 | 13 | 12.8 | 121 | 27.9 |
| | Female | 4,255 | 100.1 | 1,504 | 43.7 | 1,691 | 646.5 | 37 | 86.5 | 28 | 25.8 | 253 | 63.9 |
| | Total | 6,820 | 81.0 | 1,931 | 28.5 | 3,178 | 596.9 | 58 | 68.6 | 41 | 19.5 | 374 | 45.1 |
| 2010-2012 | Male | 2,450 | 57.3 | 519 | 15.5 | 1,348 | 470.9 | 5 | 11.7 | 13 | 11.7 | 133 | 27.5 |
| | Female | 3,759 | 86.7 | 1,393 | 40.4 | 1,457 | 532.0 | 25 | 56.9 | 29 | 24.1 | 277 | 62.5 |
| | Total | 6,209 | 72.1 | 1,912 | 28.1 | 2,805 | 500.8 | 30 | 34.7 | 42 | 18.1 | 410 | 44.2 |
| 2013-2015 | Male | 3,338 | 76.9 | 1,216 | 36.2 | 1,209 | 404.1 | 23 | 53.5 | 21 | 16.6 | 286 | 55.5 |
| | Female | 3,988 | 91.3 | 1,675 | 48.8 | 1,184 | 421.0 | 61 | 138.2 | 19 | 14.2 | 341 | 71.9 |
| | Total | 7,326 | 84.1 | 2,891 | 42.6 | 2,393 | 412.3 | 84 | 96.4 | 40 | 15.4 | 627 | 63.3 |

Note: Rates are per 100,000 persons. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistic's bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of Kansas Department of Health and Environment Bureau of Disease Control and Prevention data for the combined years of 2007-2009, 2010-2012 and 2013-2015.

Figure 68b. Gonorrhea Incidence Rates by Race/Ethnicity in Kansas, 2007-2015



Note: Rates are per 100,000 persons. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistic’s bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of Kansas Department of Health and Environment Bureau of Disease Control and Prevention data for the combined years of 2007-2009, 2010-2012 and 2013-2015.

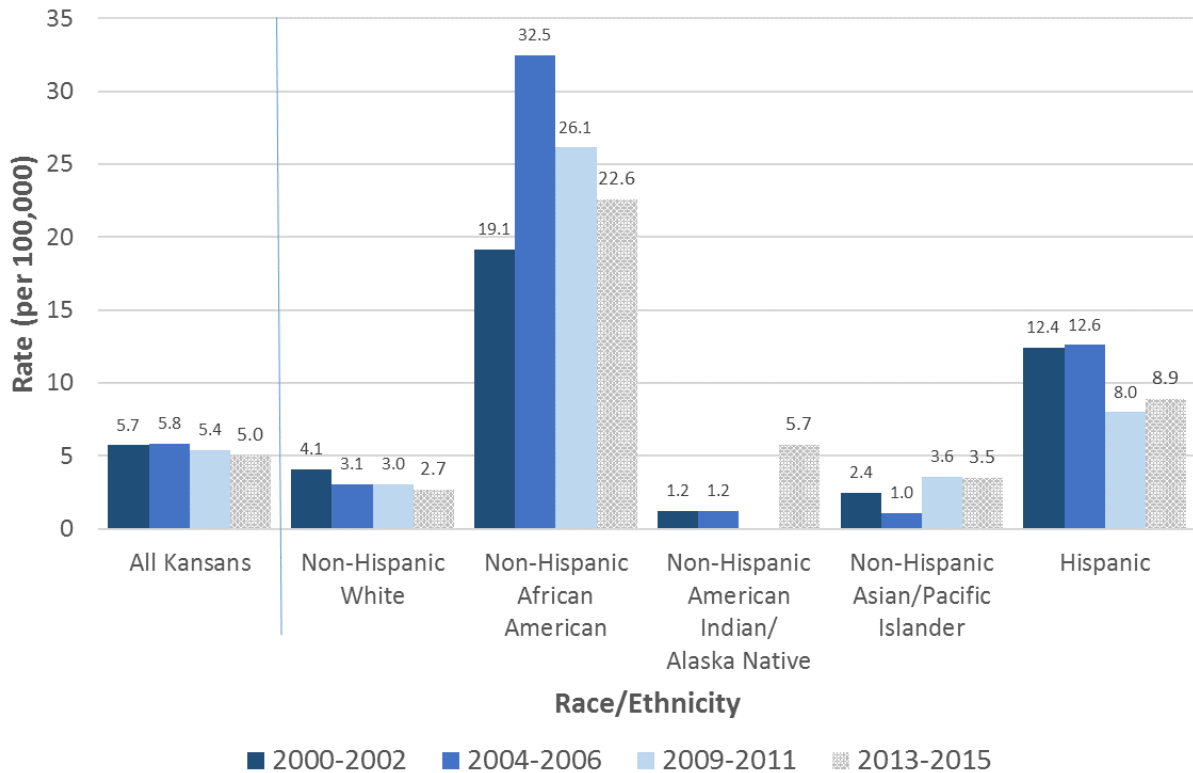
Figure 69a. HIV Incidence Rates by Race/Ethnicity and Gender in Kansas, 2000-2002, 2004-2006, 2009-2011, and 2013-2015

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/ | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | | |
|------------------|-------------|------|--------------------|------|-------------------------------|------|-------------------------------|------|-------------------------------------|------|--------------------|------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | |
| 2000-2002 | Male | 375 | 9.4 | 233 | 7.0 | 73 | 29.5 | 1 | 2.5 | 2 | 2.5 | 57 | 17.7 |
| | Female | 86 | 2.1 | 41 | 1.2 | 20 | 8.2 | 0 | - | 2 | 2.4 | 17 | 5.9 |
| | Total | 465 | 5.7 | 275 | 4.1 | 94 | 19.1 | 1 | 1.2 | 4 | 2.4 | 76 | 12.4 |
| 2004-2006 | Male | 375 | 9.2 | 181 | 5.5 | 109 | 42.4 | 0 | - | 1 | 1.1 | 72 | 18.9 |
| | Female | 103 | 2.5 | 26 | 0.8 | 54 | 21.5 | 1 | 2.4 | 0 | - | 19 | 5.6 |
| | Total | 481 | 5.8 | 207 | 3.1 | 165 | 32.5 | 1 | 1.2 | 2 | 1.0 | 91 | 12.6 |
| 2009-2011 | Male | 367 | 8.6 | 172 | 5.1 | 109 | 38.8 | 0 | - | 6 | 5.5 | 58 | 12.4 |
| | Female | 87 | 2.0 | 31 | 0.9 | 35 | 13.0 | 0 | - | 2 | 1.7 | 13 | 3.0 |
| | Total | 460 | 5.4 | 206 | 3.0 | 144 | 26.1 | 0 | - | 8 | 3.6 | 72 | 8.0 |
| 2013-2015 | Male | 357 | 8.2 | 155 | 4.6 | 93 | 31.1 | 5 | 11.6 | 8 | 6.3 | 80 | 15.5 |
| | Female | 79 | 1.8 | 26 | 0.8 | 38 | 13.5 | 0 | - | 1 | 0.8 | 8 | 1.7 |
| | Total | 437 | 5.0 | 182 | 2.7 | 131 | 22.6 | 5 | 5.7 | 9 | 3.5 | 88 | 8.9 |

Note: Based on diagnosis and not infection date. Rates are per 100,000 persons. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistic's bridged-race estimates for denominators. The summation of counts for male and female may also differ from the total due to the exclusion of transgender individuals. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. The symbol "-" indicates that a rate could not be calculated.

Source: KHI analysis of Kansas Department of Health and Environment Bureau of Disease Control and Prevention data for the combined years of 2000-2002, 2004-2006, 2009-2011 and 2013-2015.

Figure 69b. HIV Incidence Rates by Race/Ethnicity in Kansas, 2000-2002, 2004-2006, 2009-2011 and 2013-2015



Note: Based on diagnosis and not infection date. Rates are per 100,000 persons. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistic's bridged-race estimates for denominators. The summation of counts for male and female may also differ from the total due to the exclusion of transgender individuals. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. Values may be missing for some race/ethnicity and time period combinations due to lack of data.

Source: KHI analysis of Kansas Department of Health and Environment Bureau of Disease Control and Prevention data for the combined years of 2000-2002, 2004-2006, 2009-2011 and 2013-2015.

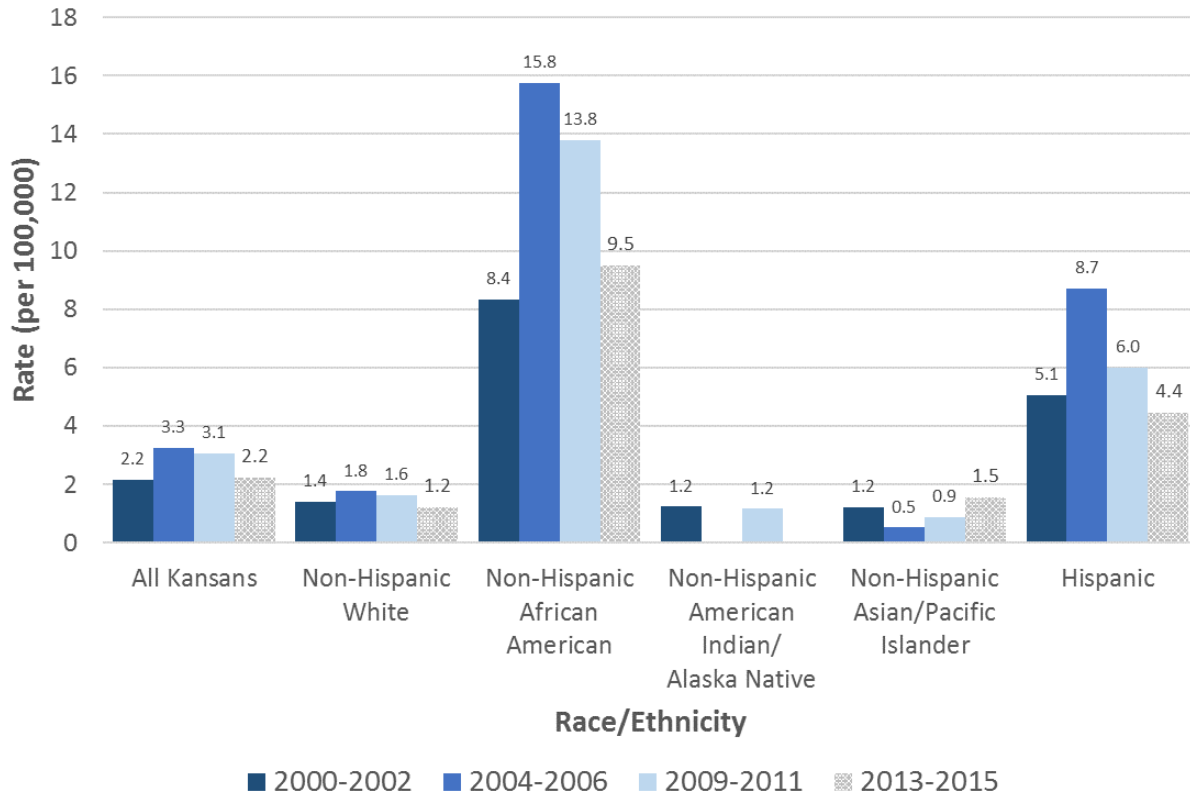
Figure 70a. HIV Stage 3 (AIDS) Incidence Rates by Race/Ethnicity and Gender in Kansas, 2000-2002, 2004-2006, 2009-2011, and 2013-2015

| Period | | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/ | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|-----------|--------|-------------|------|--------------------|------|-------------------------------|------|-------------------------------|------|-------------------------------------|------|--------------------|------|
| | | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| | | | | | | | | | | | | | |
| 2000-2002 | Male | 145 | 3.6 | 80 | 2.4 | 34 | 13.8 | 1 | 2.5 | 0 | - | 28 | 8.7 |
| | Female | 29 | 0.7 | 16 | 0.5 | 7 | 2.9 | 0 | - | 2 | 2.4 | 2 | 0.7 |
| | Total | 175 | 2.2 | 96 | 1.4 | 41 | 8.4 | 1 | 1.2 | 2 | 1.2 | 31 | 5.1 |
| 2004-2006 | Male | 213 | 5.2 | 107 | 3.2 | 53 | 20.6 | 0 | - | 0 | - | 50 | 13.1 |
| | Female | 54 | 1.3 | 12 | 0.3 | 27 | 10.8 | 0 | - | 0 | - | 13 | 3.8 |
| | Total | 268 | 3.3 | 119 | 1.8 | 80 | 15.8 | 0 | - | 1 | 0.5 | 63 | 8.7 |
| 2009-2011 | Male | 223 | 5.3 | 95 | 2.8 | 61 | 21.7 | 1 | 2.4 | 2 | 1.8 | 47 | 10.0 |
| | Female | 39 | 0.9 | 16 | 0.5 | 15 | 5.6 | 0 | - | 0 | - | 7 | 1.6 |
| | Total | 263 | 3.1 | 111 | 1.6 | 76 | 13.8 | 1 | 1.2 | 2 | 0.9 | 54 | 6.0 |
| 2013-2015 | Male | 146 | 3.4 | 66 | 2.0 | 31 | 10.4 | 0 | - | 3 | 2.4 | 41 | 7.9 |
| | Female | 49 | 1.1 | 17 | 0.5 | 24 | 8.5 | 0 | - | 1 | 0.8 | 3 | 0.6 |
| | Total | 195 | 2.2 | 83 | 1.2 | 55 | 9.5 | 0 | - | 4 | 1.5 | 44 | 4.4 |

Note: Rates are per 100,000 persons. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistic's bridged-race estimates for denominators. The summation of counts for male and female may also differ from the total due to the exclusion of transgender individuals. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. The symbol "-" indicates that a rate could not be calculated.

Source: KHI analysis of Kansas Department of Health and Environment Bureau of Disease Control and Prevention data for the combined years of 2000-2002, 2004-2006, 2009-2011 and 2013-2015.

Figure 70b. HIV Stage 3 (AIDS) Incidence Rates by Race/Ethnicity in Kansas, 2000-2002, 2004-2006, 2009-2011, and 2013-2015



Note: Rates are per 100,000 persons. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistic’s bridged-race estimates for denominators. The summation of counts for male and female may also differ from the total due to the exclusion of transgender individuals. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. Values may be missing for some race/ethnicity and time period combinations due to lack of data.

Source: KHI analysis of Kansas Department of Health and Environment Bureau of Disease Control and Prevention data for the combined years of 2000-2002, 2004-2006, 2009-2011 and 2013-2015.

Births

In this section, the birth-related metrics for Kansas are examined to understand how birth outcomes differ across populations in Kansas. The Kansas population is examined based on geographic area and population density (*Technical Notes, Appendix H*) and race/ethnicity (*Technical Notes, Appendix H*) using rates calculated for three five-year periods.

The section begins with an examination of the pregnancy rates for Kansas females age 10-19 and Kansas females age 15-19, followed by the birth rate for Kansas. Next, metrics exploring prenatal care, birthweight, and premature births are presented. The section ends with a presentation of infant mortality rates.

The birth metrics in this section represent births to Kansas resident mothers.

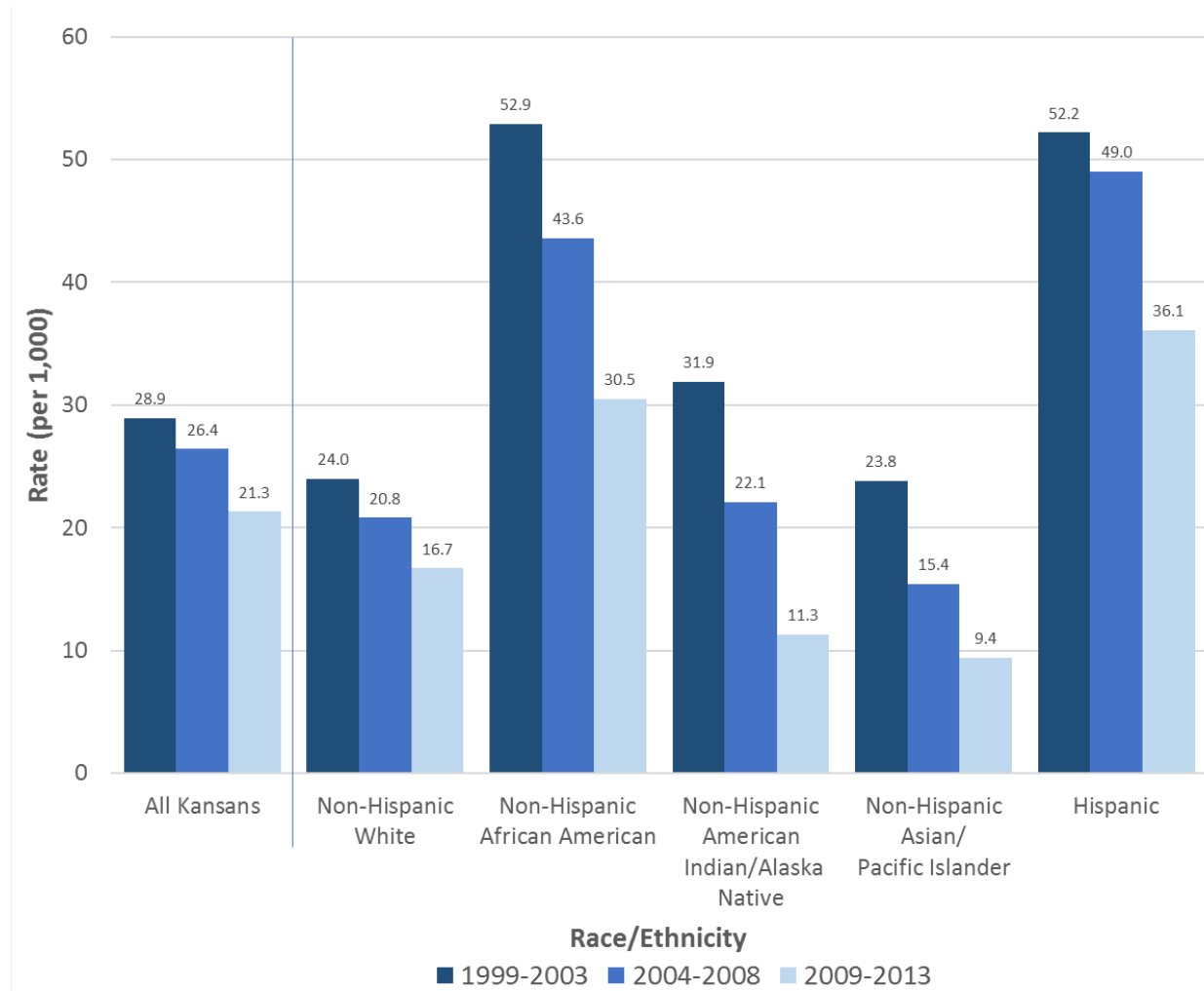
Figure 71a. Pregnancy Rate for Females Age 10-19 by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/ | | Non-Hispanic Asian/Pacific | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|------|-------------------------------|------|----------------------------|------|--------------------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 29,065 | 28.9 | 19,443 | 24.0 | 3,905 | 52.9 | 403 | 31.9 | 475 | 23.8 | 4,692 | 52.2 |
| 2004-2008 | 25,905 | 26.4 | 15,732 | 20.8 | 3,352 | 43.6 | 277 | 22.1 | 349 | 15.4 | 5,588 | 49.0 |
| 2009-2013 | 20,790 | 21.3 | 11,900 | 16.7 | 2,422 | 30.5 | 140 | 11.3 | 256 | 9.4 | 5,234 | 36.1 |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Represents pregnancies to females age 10-19 who are Kansas residents. Rates are per 1,000 female-age-group population for three five-year periods. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 71b. Pregnancy Rate for Females Age 10-19 by Race/Ethnicity in Kansas, 1999-2013



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Represents pregnancies to females age 10-19 who are Kansas residents. Rates are per 1,000 female-age-group population for three five-year periods. Rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

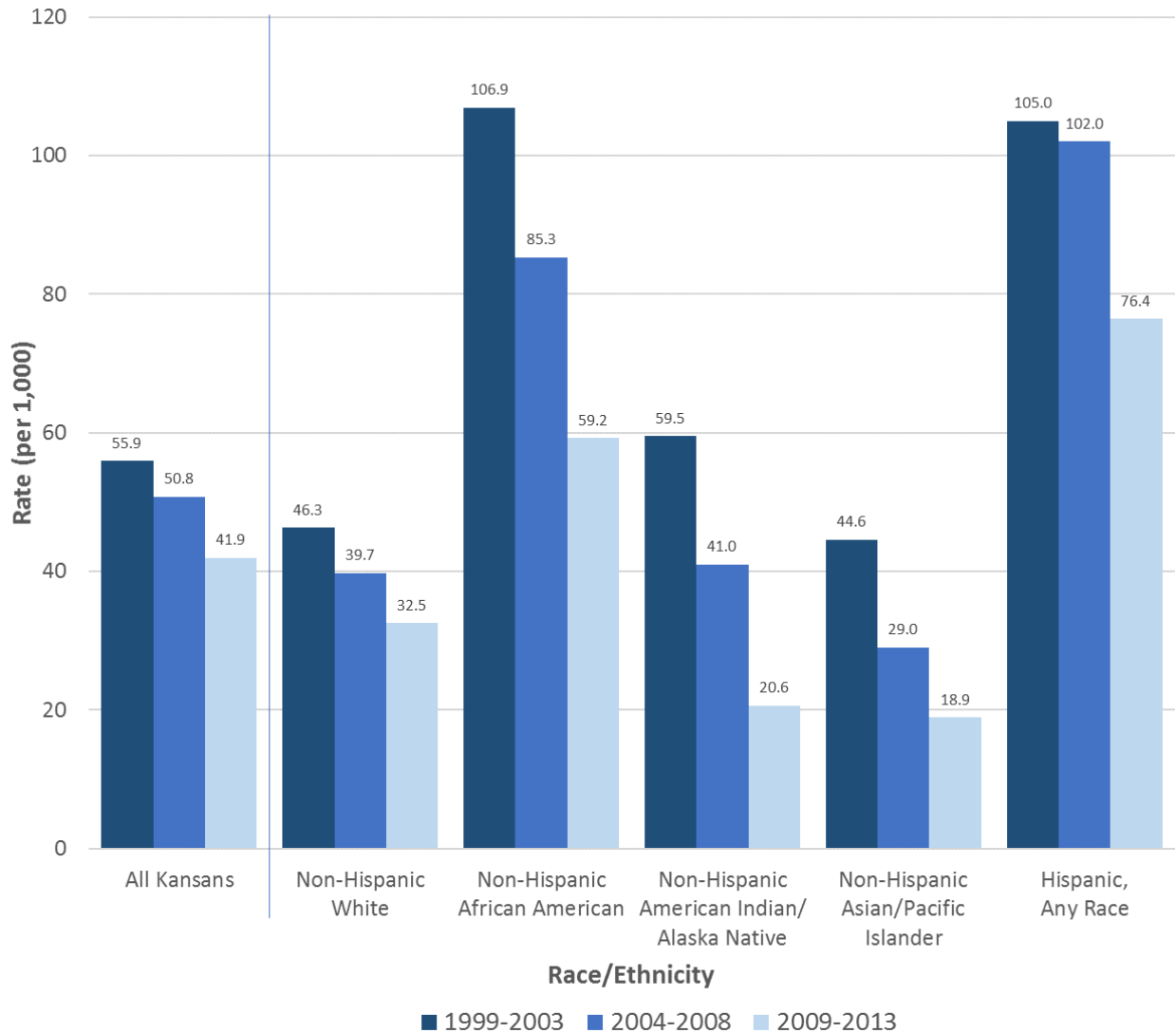
Figure 72a. Pregnancy Rate for Females Age 15-19 by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/ Alaska Native | | Non-Hispanic Asian/ Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|-------|---|------|--------------------------------------|------|--------------------|-------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 28,630 | 55.9 | 19,239 | 46.3 | 3,783 | 106.9 | 393 | 59.5 | 472 | 44.6 | 4,604 | 105.0 |
| 2004-2008 | 25,544 | 50.8 | 15,588 | 39.7 | 3,265 | 85.3 | 275 | 41.0 | 345 | 29.0 | 5,479 | 102.0 |
| 2009-2013 | 20,522 | 41.9 | 11,807 | 32.5 | 2,366 | 59.2 | 137 | 20.6 | 252 | 18.9 | 5,143 | 76.4 |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Represents pregnancies to females age 15-19 who are Kansas residents. Rates are per 1,000 female-age-group population for three five-year periods. Counts and rates for Other non-Hispanics are not included as a separate category due to the used of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 72b. Pregnancy Rate for Females Age 15-19 by Race/Ethnicity in Kansas, 1999-2013



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Represents pregnancies to females age 15-19 who are Kansas residents. Rates are per 1,000 female-age-group population for three five-year periods. Rates for Other non-Hispanic birth counts are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

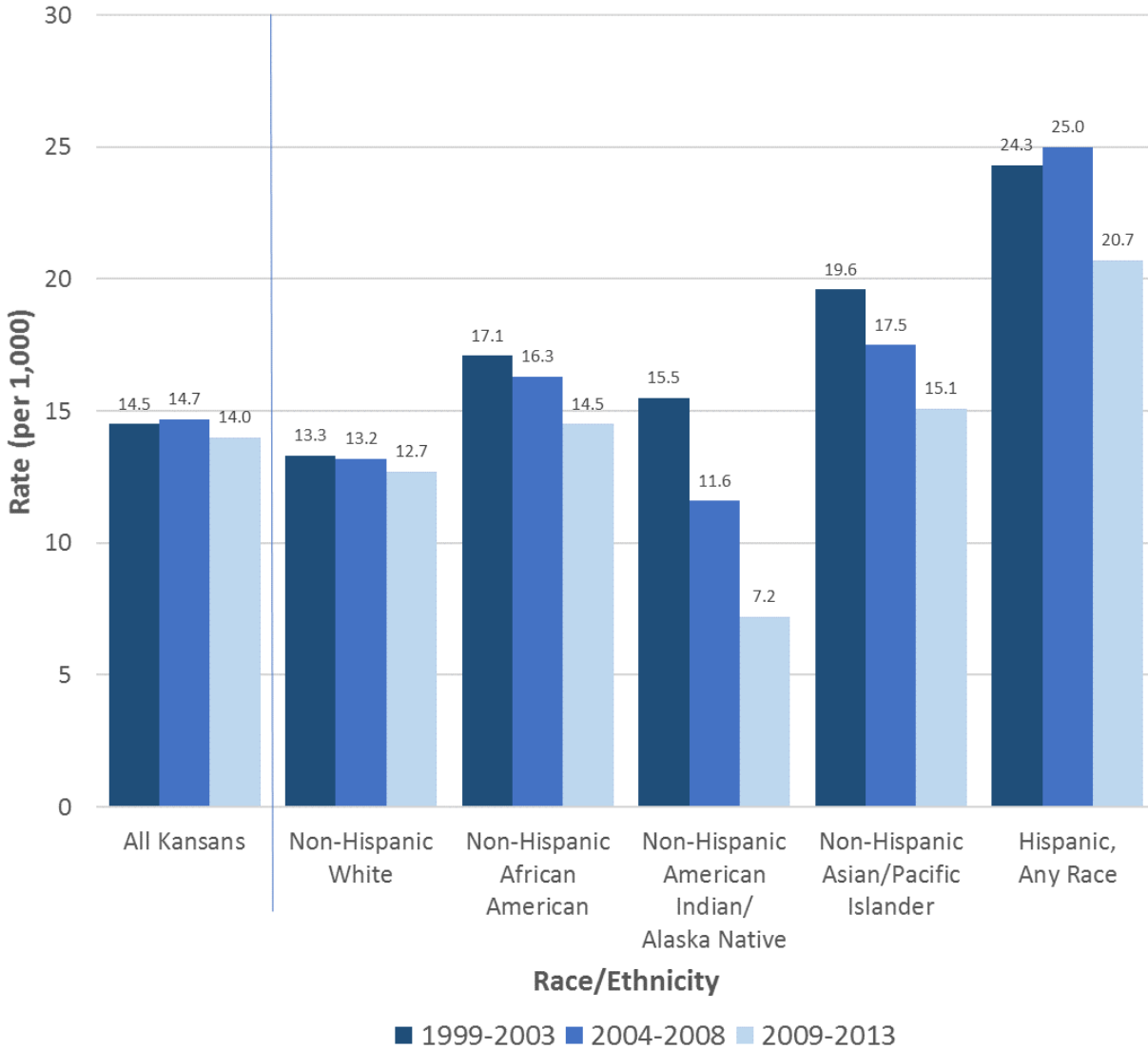
Figure 73a. Birth Rate by Race/Ethnicity in Kansas, 1999-2013

| All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/ Alaska Native | | Non-Hispanic Asian/ Pacific Islander | | Hispanic, Any Rate | |
|-------------|------|--------------------|------|-------------------------------|------|---|------|--------------------------------------|------|--------------------|------|
| Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 195,925 | 14.5 | 149,896 | 13.3 | 13,957 | 17.1 | 2,060 | 15.5 | 5,342 | 19.6 | 24,244 | 24.3 |
| 203,950 | 14.7 | 147,974 | 13.2 | 14,049 | 16.3 | 1,620 | 11.6 | 5,745 | 17.5 | 31,562 | 25.0 |
| 200,565 | 14.0 | 143,670 | 12.7 | 13,549 | 14.5 | 1,043 | 7.2 | 5,856 | 15.1 | 31,915 | 20.7 |

Note: Counts and rates are for births to Kansas residents per 1,000 total population of Kansas for three five-year periods. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 73b. Birth Rate by Race/Ethnicity in Kansas, 1999-2013



Note: Rates are for births to Kansas residents per 1,000 total population of Kansas for three five-year periods. Rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

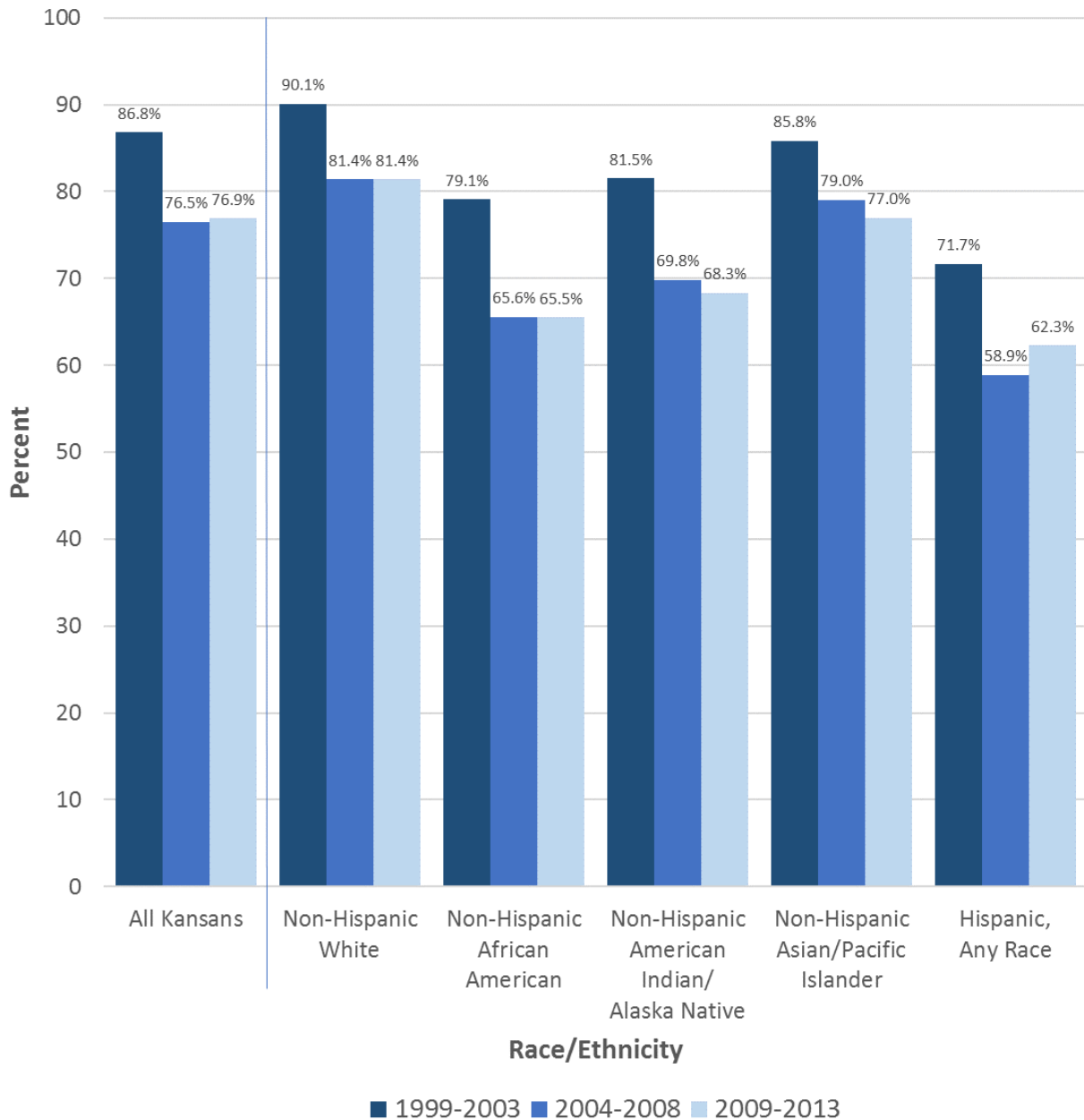
Figure 74a. Percent of Mothers Receiving Prenatal Care in the First Trimester by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/ Alaska Native | | Non-Hispanic Asian/ Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|-------|--------------------|-------|-------------------------------|-------|---|-------|--------------------------------------|-------|--------------------|-------|
| | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| 1999-2003 | 168,856 | 86.8% | 134,376 | 90.1% | 10,945 | 79.1% | 1,663 | 81.5% | 4,529 | 85.8% | 17,043 | 71.7% |
| 2004-2008 | 147,717 | 76.5% | 114,506 | 81.4% | 8,522 | 65.6% | 1,061 | 69.8% | 4,330 | 79.0% | 17,390 | 58.9% |
| 2009-2013 | 150,489 | 76.9% | 114,777 | 81.4% | 8,473 | 65.5% | 697 | 68.3% | 4,405 | 77.0% | 19,108 | 62.3% |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages for Kansas resident females for three five-year periods. Counts and percentages for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 74b. Percent of Mothers Receiving Prenatal Care in the First Trimester by Race/Ethnicity in Kansas, 1999-2013



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Percentages for Kansas resident females for three five-year periods. Percentages for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

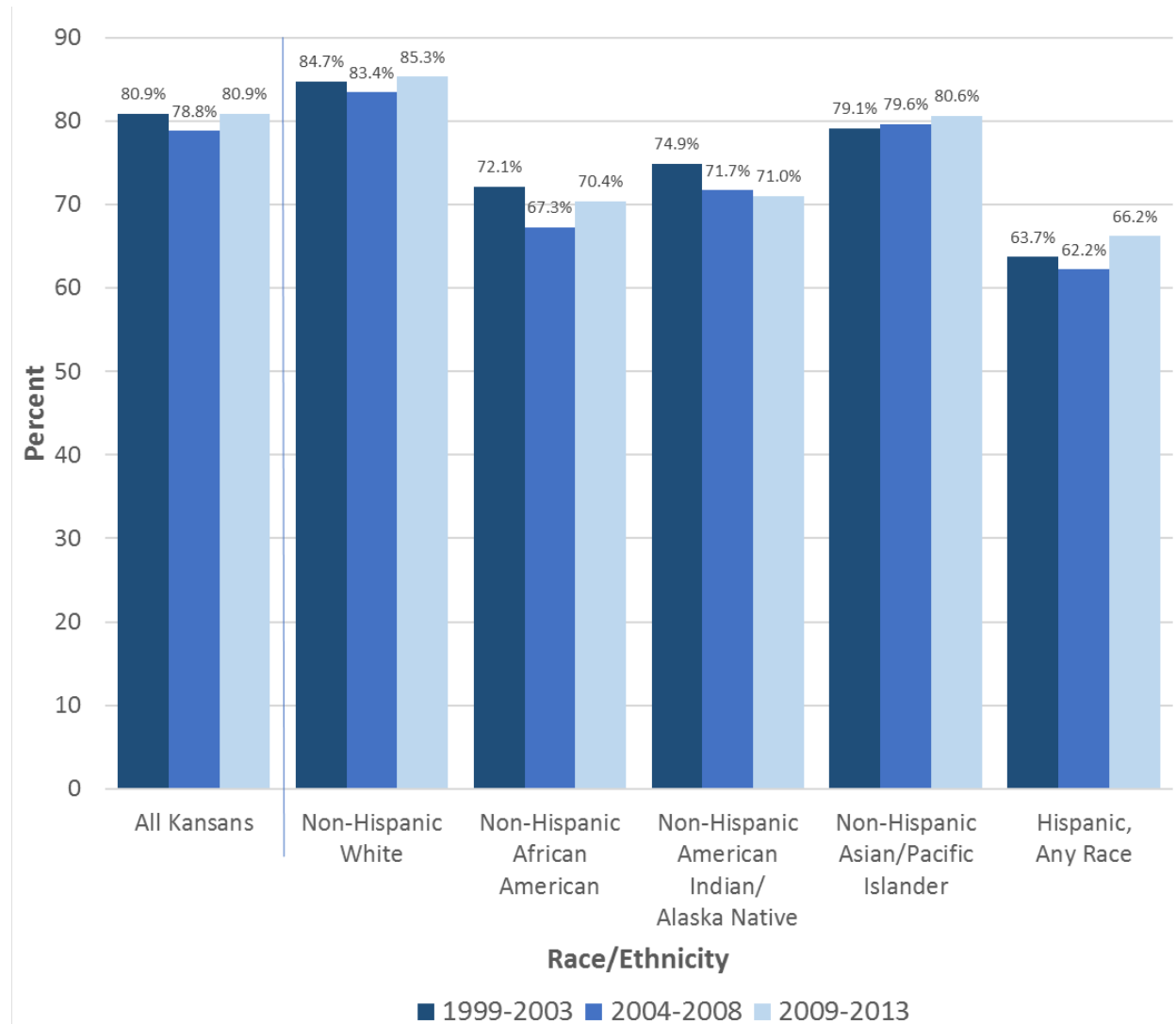
Figure 75a. Percent of Kansas Mothers Receiving Adequate or Better Prenatal Care by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/ Alaska | | Non-Hispanic Asian/ Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|-------|--------------------|-------|-------------------------------|-------|--------------------------------------|-------|--------------------------------------|-------|--------------------|-------|
| | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| 1999-2003 | 156,567 | 80.9% | 125,670 | 84.7% | 9,919 | 72.1% | 1,510 | 74.9% | 4,166 | 79.1% | 15,028 | 63.7% |
| 2004-2008 | 149,926 | 78.8% | 116,006 | 83.4% | 8,561 | 67.3% | 1,072 | 71.7% | 4,321 | 79.6% | 17,996 | 62.2% |
| 2009-2013 | 156,557 | 80.9% | 119,182 | 85.3% | 8,952 | 70.4% | 713 | 71.0% | 4,584 | 80.6% | 19,988 | 66.2% |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. See *Technical Notes, Appendix H* for description of Adequate or Better Prenatal Care. Percentages for Kansas resident females for three five-year periods. Counts and percentages for Other non-Hispanics are not included as a separate category due to the used of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 75b. Percent of Kansas Mothers Receiving Adequate or Better Prenatal Care by Race/Ethnicity in Kansas, 1999-2013



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. See *Technical Notes, Appendix H* for description of Adequate or Better Prenatal Care. Percentages for Kansas resident females for three five-year periods. Percentages for Other non-Hispanics are not included as a separate category due to the used of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

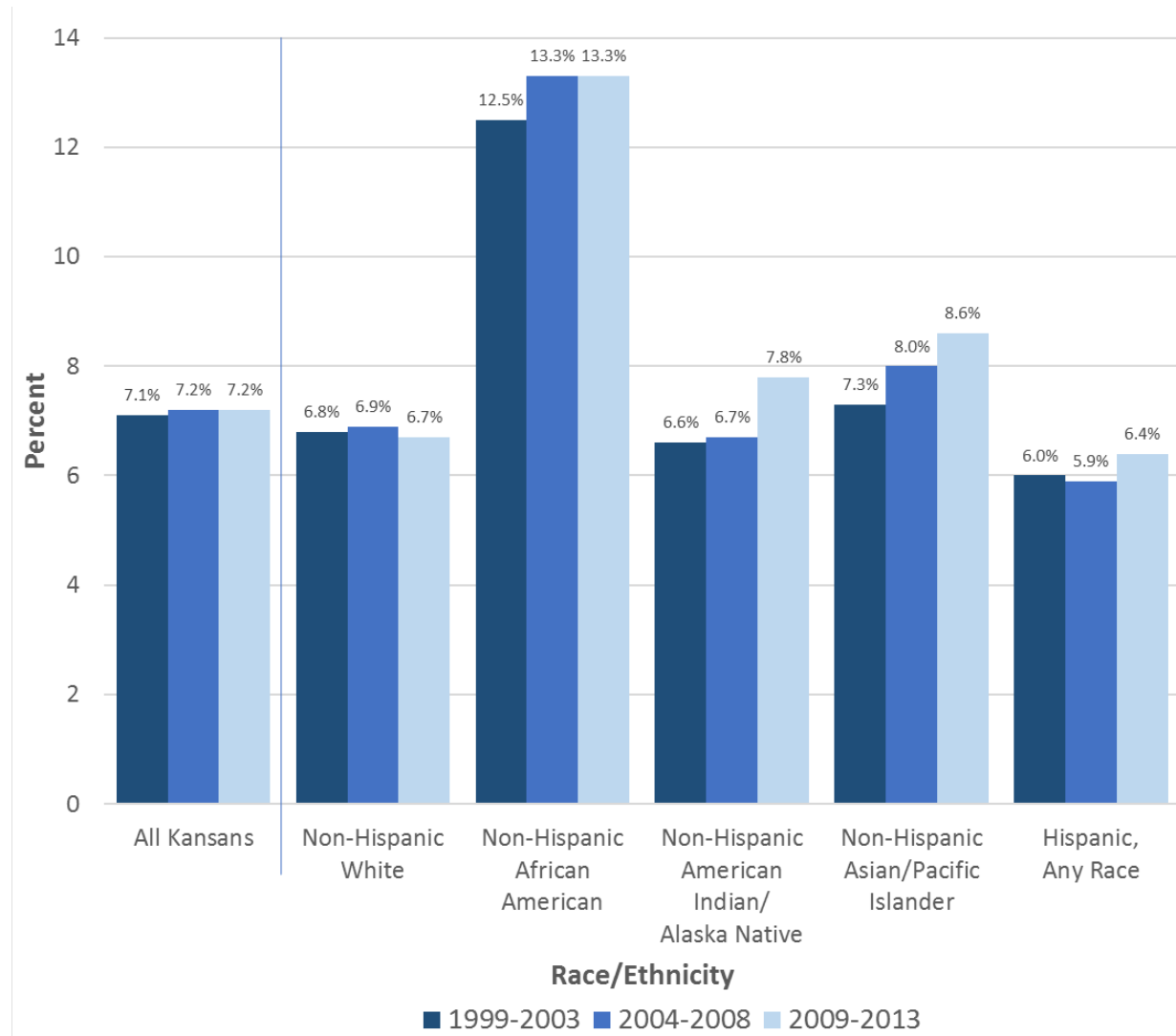
Figure 76a. Percent of Low-birthweight Births by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/ Alaska Native | | Non-Hispanic Asian/ Pacific Islander | | Hispanic, Any Race | |
|-----------|-------------|------|--------------------|------|-------------------------------|-------|--|------|---|------|-----------------------|------|
| | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| 1999-2003 | 13,920 | 7.1% | 10,126 | 6.8% | 1,744 | 12.5% | 135 | 6.6% | 389 | 7.3% | 1,464 | 6.0% |
| 2004-2008 | 14,688 | 7.2% | 10,147 | 6.9% | 1,870 | 13.3% | 108 | 6.7% | 459 | 8.0% | 1,863 | 5.9% |
| 2009-2013 | 14,371 | 7.2% | 9,559 | 6.7% | 1,796 | 13.3% | 81 | 7.8% | 501 | 8.6% | 2,053 | 6.4% |

Note: Low-birthweight births are those births with birthweights less than 2,500 grams. Percentages for births to Kansas residents for three five-year periods. Counts and percentages for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 76b. Percent of Low-birthweight Births by Race/Ethnicity in Kansas, 1999-2013



Note: Percentages for births to Kansas residents for three five-year periods. Percentages for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

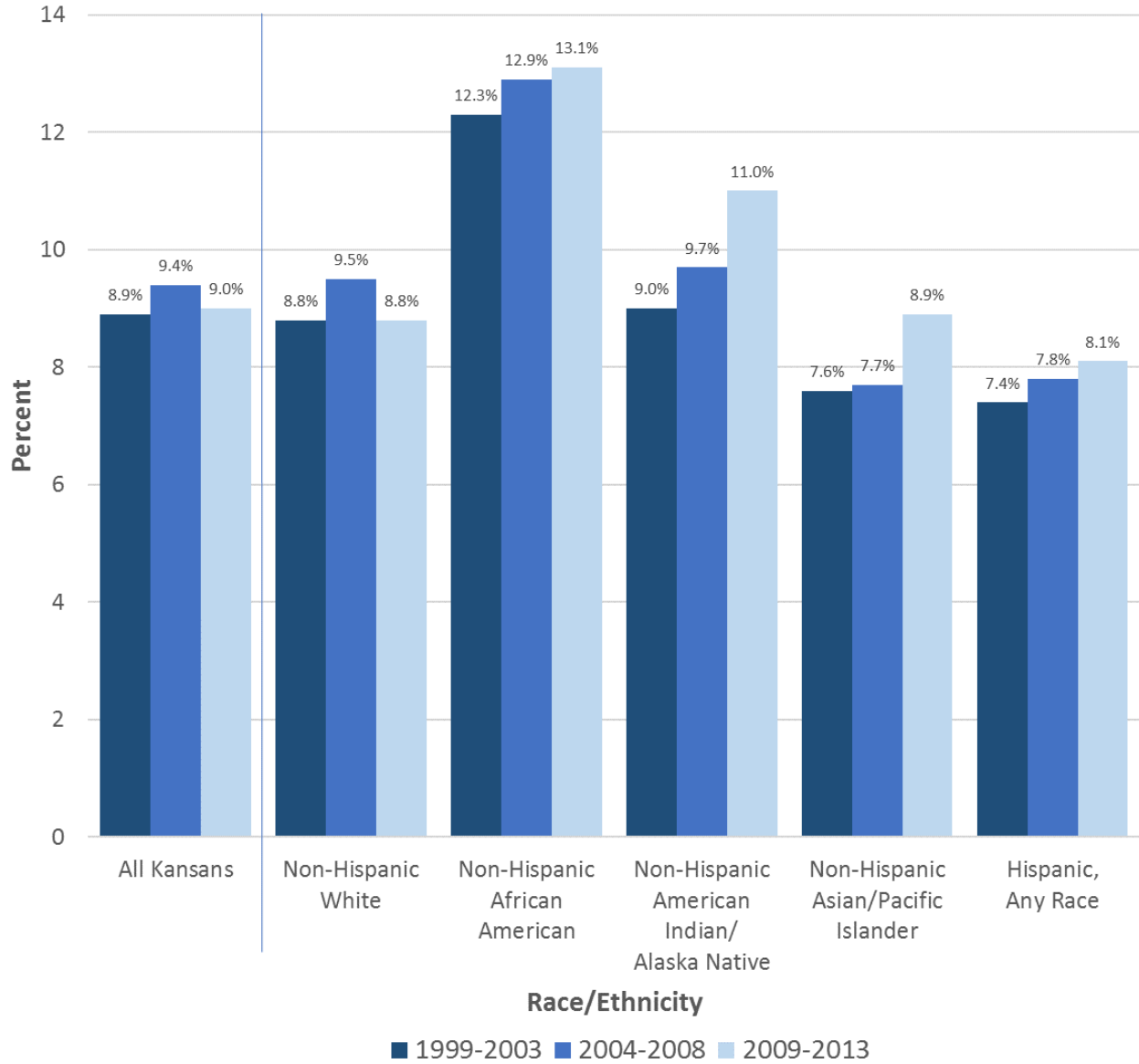
Figure 77a. Percent of Births that are Premature by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|-------|--|-------|-------------------------------------|------|--------------------|------|
| | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| 1999-2003 | 17,342 | 8.9% | 13,179 | 8.8% | 1,715 | 12.3% | 185 | 9.0% | 405 | 7.6% | 1,797 | 7.4% |
| 2004-2008 | 19,168 | 9.4% | 14,006 | 9.5% | 1,809 | 12.9% | 157 | 9.7% | 444 | 7.7% | 2,425 | 7.8% |
| 2009-2013 | 18,013 | 9.0% | 12,567 | 8.8% | 1,769 | 13.1% | 115 | 11.0% | 520 | 8.9% | 2,577 | 8.1% |

Note: Premature births are births that occur under thirty-seven weeks' gestation. Percentages for births to Kansas residents for three five-year periods. Counts and percentages for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 77b. Percent of Births that are Premature by Race/Ethnicity in Kansas, 1999-2013



Note: Premature births are births that occur under thirty-seven weeks' gestation. Percentages for births to Kansas residents for three five-year periods. Percentages for Other non-Hispanics are not included as a separate category due to the used of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

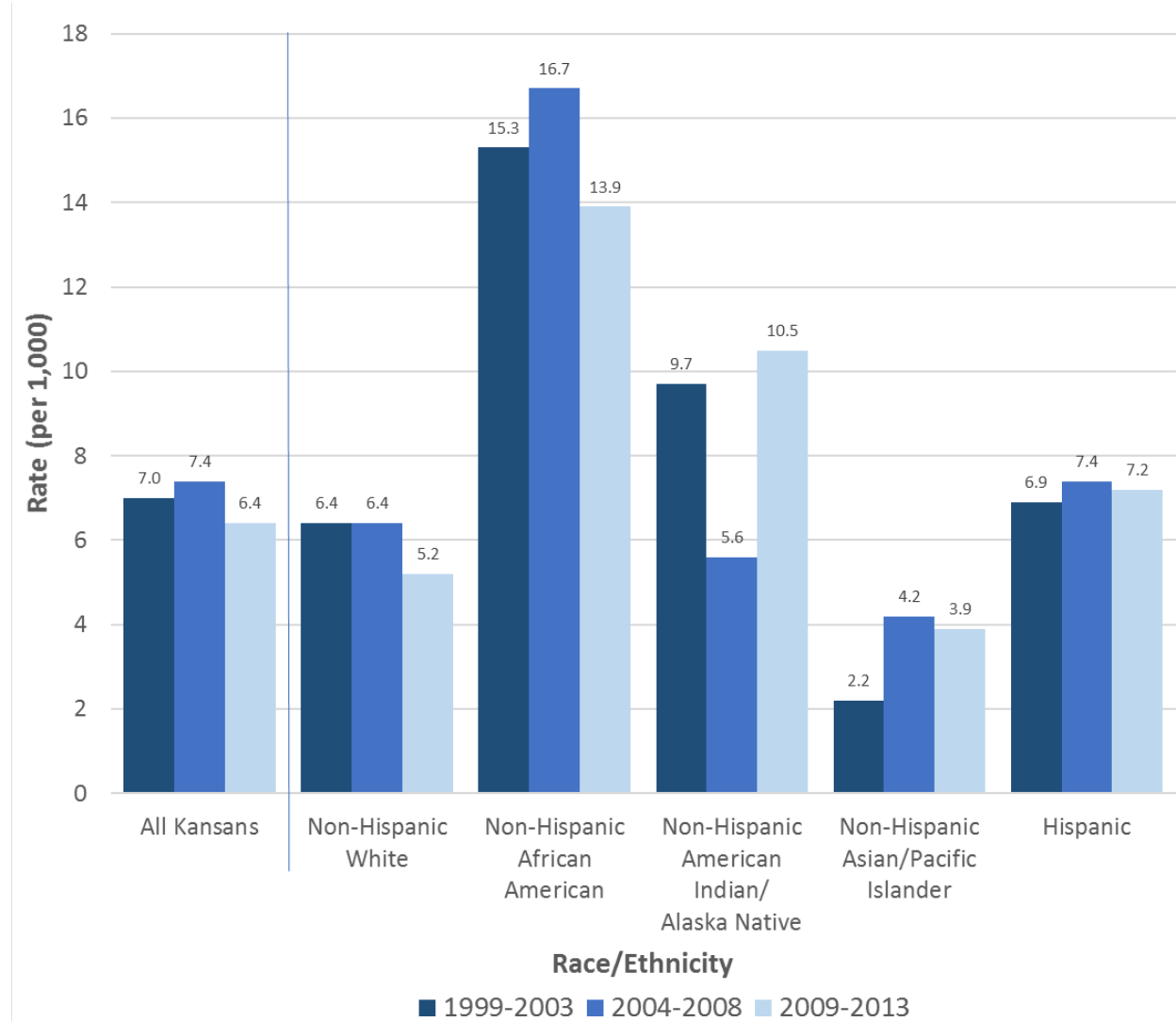
Figure 78a. Infant Mortality Rate by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/ Alaska Native | | Non-Hispanic Asian/ Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|------|---|------|--------------------------------------|------|--------------------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 1,376 | 7.0 | 956 | 6.4 | 213 | 15.3 | 20 | 9.7 | 12 | 2.2 | 168 | 6.9 |
| 2004-2008 | 1,510 | 7.4 | 951 | 6.4 | 235 | 16.7 | 9 | 5.6 | 24 | 4.2 | 234 | 7.4 |
| 2009-2013 | 1,292 | 6.4 | 752 | 5.2 | 189 | 13.9 | 11 | 10.5 | 23 | 3.9 | 230 | 7.2 |

Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Rates for births to Kansas residents for three five-year periods. Rate per 1,000 live births. Counts and rates for Other non-Hispanics are not included as a separate category due to the used of bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 78b. Infant Mortality Rate by Race/Ethnicity in Kansas, 1999-2013



Note: "All Kansans" in this figure refers to all Kansans in the subpopulation described in the title of the figure. Rates for births to Kansas residents for three five-year periods. Rate per 1,000 live births. Rates for Other non-Hispanics are not included as a separate category due to the used of bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Mortality

In this section, the mortality-related metrics for Kansas are presented to understand how mortality outcomes may differ across populations in Kansas. The Kansas population is examined based on geographic area and race/ethnicity using rates calculated for three five-year periods (see *Technical Notes, Appendix H*).

This section is composed of two parts: the age-adjusted mortality rates for all-cause mortality and six conditions: coronary heart disease, cancer, diabetes, unintentional injury, homicide and suicide; and age-adjusted years-of-potential-life-lost (YPLL) (see *Technical Notes, Appendix H*) rates for all-cause mortality and four conditions: coronary heart disease, cancer, diabetes and unintentional injury.

The section begins with a presentation of the age-adjusted mortality rates, followed by a presentation of the YPLL rates for Kansas.

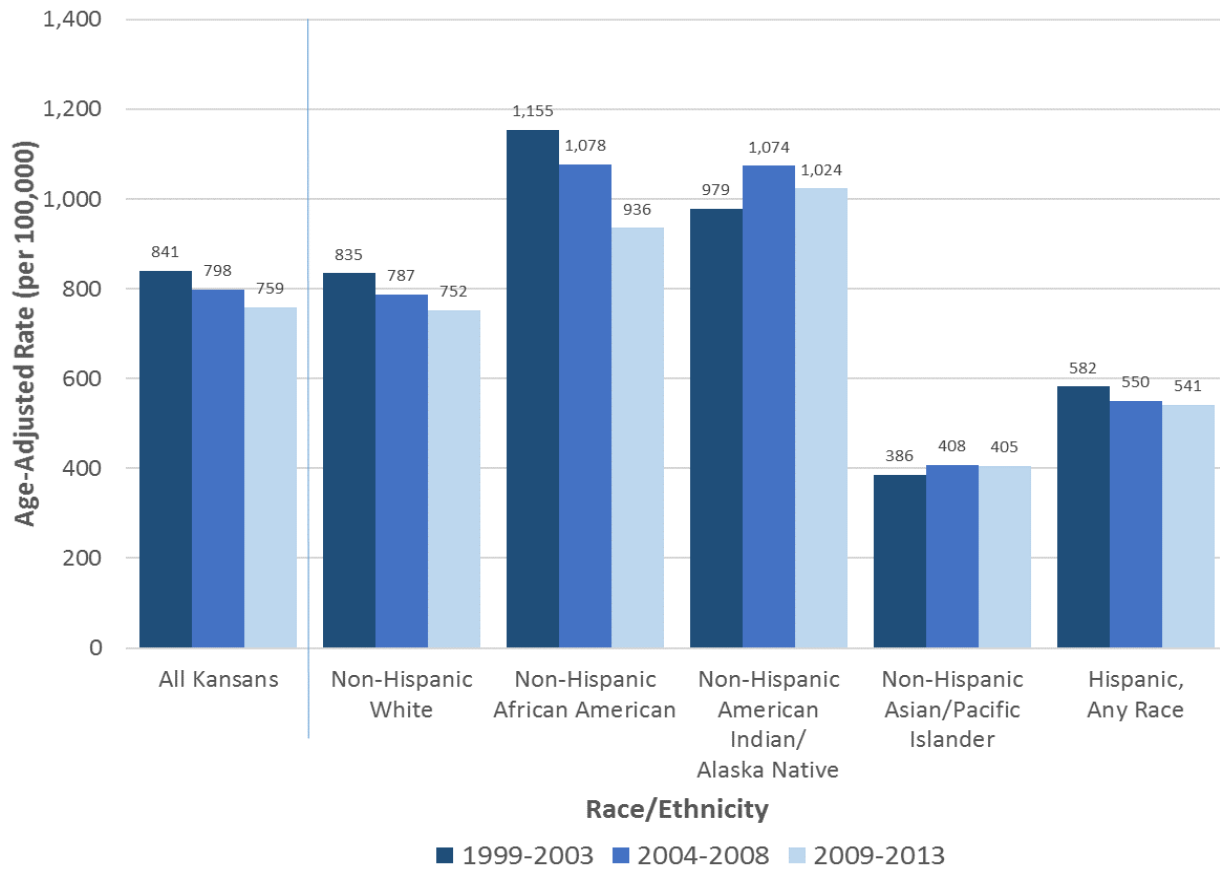
Figure 79a. Age-Adjusted All-Cause Mortality Rates by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|-------|--|-------|-------------------------------------|------|--------------------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 123,040 | 841 | 113,578 | 835 | 6,255 | 1,155 | 663 | 979 | 417 | 386 | 2,079 | 582 |
| 2004-2008 | 122,194 | 798 | 110,829 | 787 | 6,238 | 1,078 | 839 | 1,074 | 598 | 408 | 2,688 | 550 |
| 2009-2013 | 123,968 | 759 | 111,337 | 752 | 6,135 | 936 | 929 | 1,024 | 769 | 405 | 3,335 | 541 |

Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 79b. Age-Adjusted All-Cause Mortality Rates by Race/Ethnicity in Kansas, 1999-2013



Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

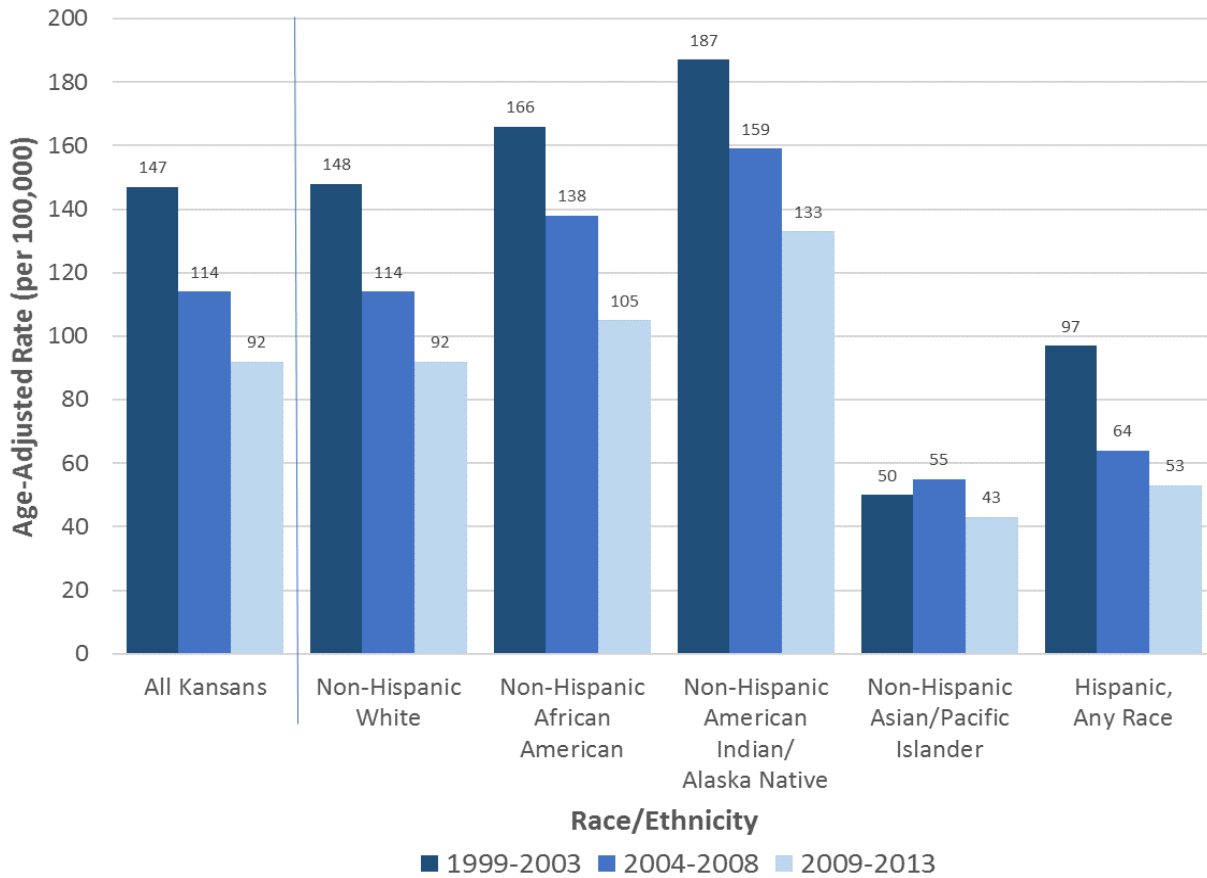
Figure 80a. Age-Adjusted Coronary Heart Disease Mortality Rates by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/ | | Non-Hispanic Asian/Pacific | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|------|-------------------------------|------|----------------------------|------|--------------------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 21,768 | 147 | 20,518 | 148 | 826 | 166 | 111 | 187 | 47 | 50 | 257 | 97 |
| 2004-2008 | 17,687 | 114 | 16,387 | 114 | 737 | 138 | 118 | 159 | 69 | 55 | 237 | 64 |
| 2009-2013 | 15,275 | 92 | 13,984 | 92 | 648 | 105 | 120 | 133 | 74 | 43 | 269 | 53 |

Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 80b. Age-Adjusted Coronary Heart Disease Mortality Rates by Race/Ethnicity in Kansas, 1999-2013



Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

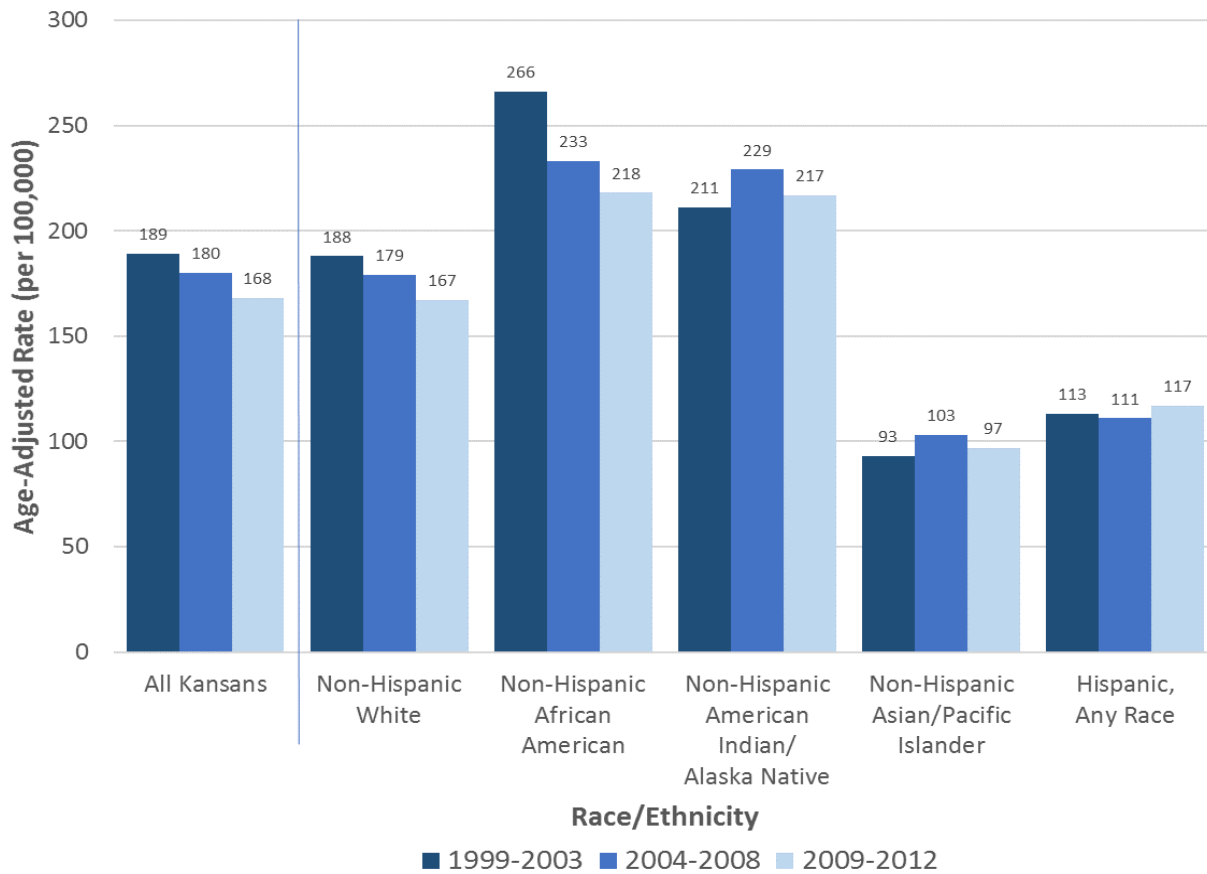
Figure 81a. Age-Adjusted Cancer Mortality Rates by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|------|--|------|-------------------------------------|------|--------------------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 26,591 | 189 | 24,590 | 188 | 1,375 | 266 | 146 | 211 | 121 | 93 | 355 | 113 |
| 2004-2008 | 26,691 | 180 | 24,342 | 179 | 1,311 | 233 | 182 | 229 | 171 | 103 | 479 | 111 |
| 2009-2013 | 26,842 | 168 | 24,083 | 167 | 1,413 | 218 | 205 | 217 | 209 | 97 | 650 | 117 |

Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 81b. Age-Adjusted Cancer Mortality Rates by Race/Ethnicity in Kansas, 1999-2013



Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

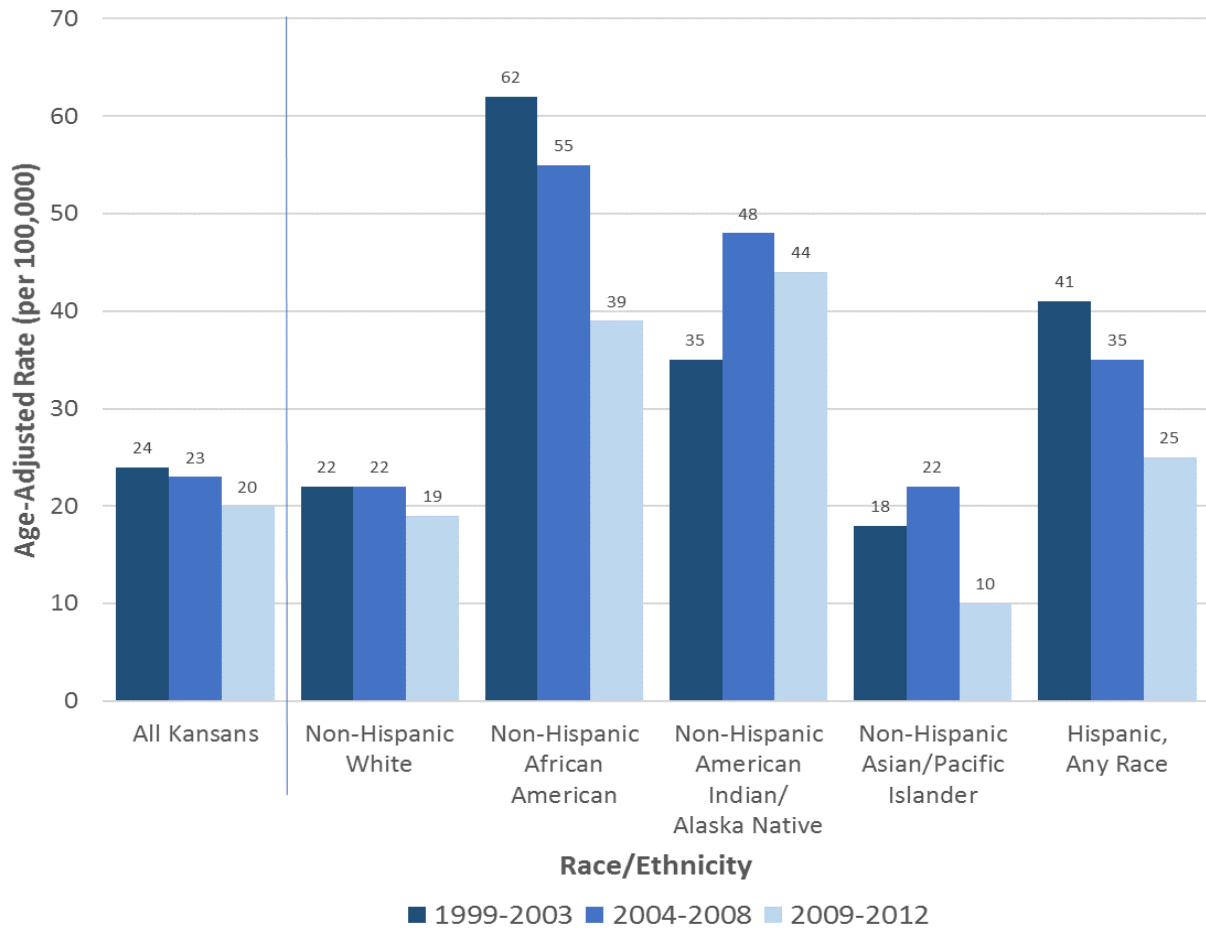
Figure 82a. Age-Adjusted Diabetes Mortality Rates by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|------|--|------|-------------------------------------|------|--------------------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 3,463 | 24 | 2,990 | 22 | 314 | 62 | 26 | 35 | 15 | 18 | 118 | 41 |
| 2004-2008 | 3,546 | 23 | 3,011 | 22 | 306 | 55 | 39 | 48 | 26 | 22 | 138 | 35 |
| 2009-2013 | 3,273 | 20 | 2,783 | 19 | 246 | 39 | 44 | 44 | 20 | 10 | 130 | 25 |

Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 82b. Age-Adjusted Diabetes Mortality Rates by Race/Ethnicity in Kansas, 1999-2013



Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

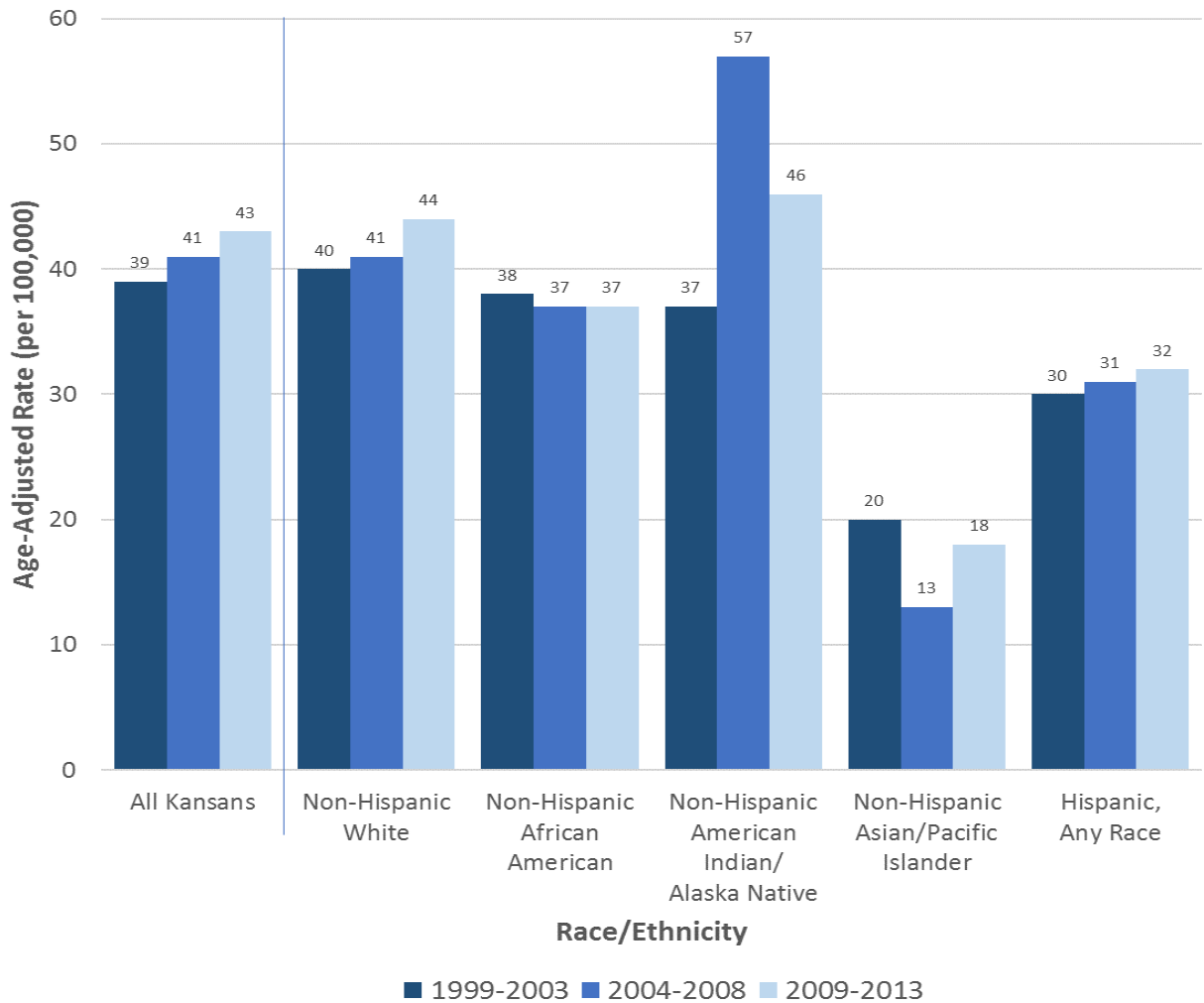
Figure 83a. Age-Adjusted Unintentional Injury Mortality Rates by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/ Alaska Native | | Non-Hispanic Asian/ Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|------|---|------|--------------------------------------|------|--------------------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 5,457 | 39 | 4,827 | 40 | 272 | 38 | 45 | 37 | 45 | 20 | 265 | 30 |
| 2004-2008 | 5,863 | 41 | 5,073 | 41 | 284 | 37 | 62 | 57 | 27 | 13 | 314 | 31 |
| 2009-2013 | 6,544 | 43 | 5,648 | 44 | 304 | 37 | 56 | 46 | 48 | 18 | 372 | 32 |

Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 83b. Age-Adjusted Unintentional Injury Mortality Rates by Race/Ethnicity in Kansas, 1999-2013



Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

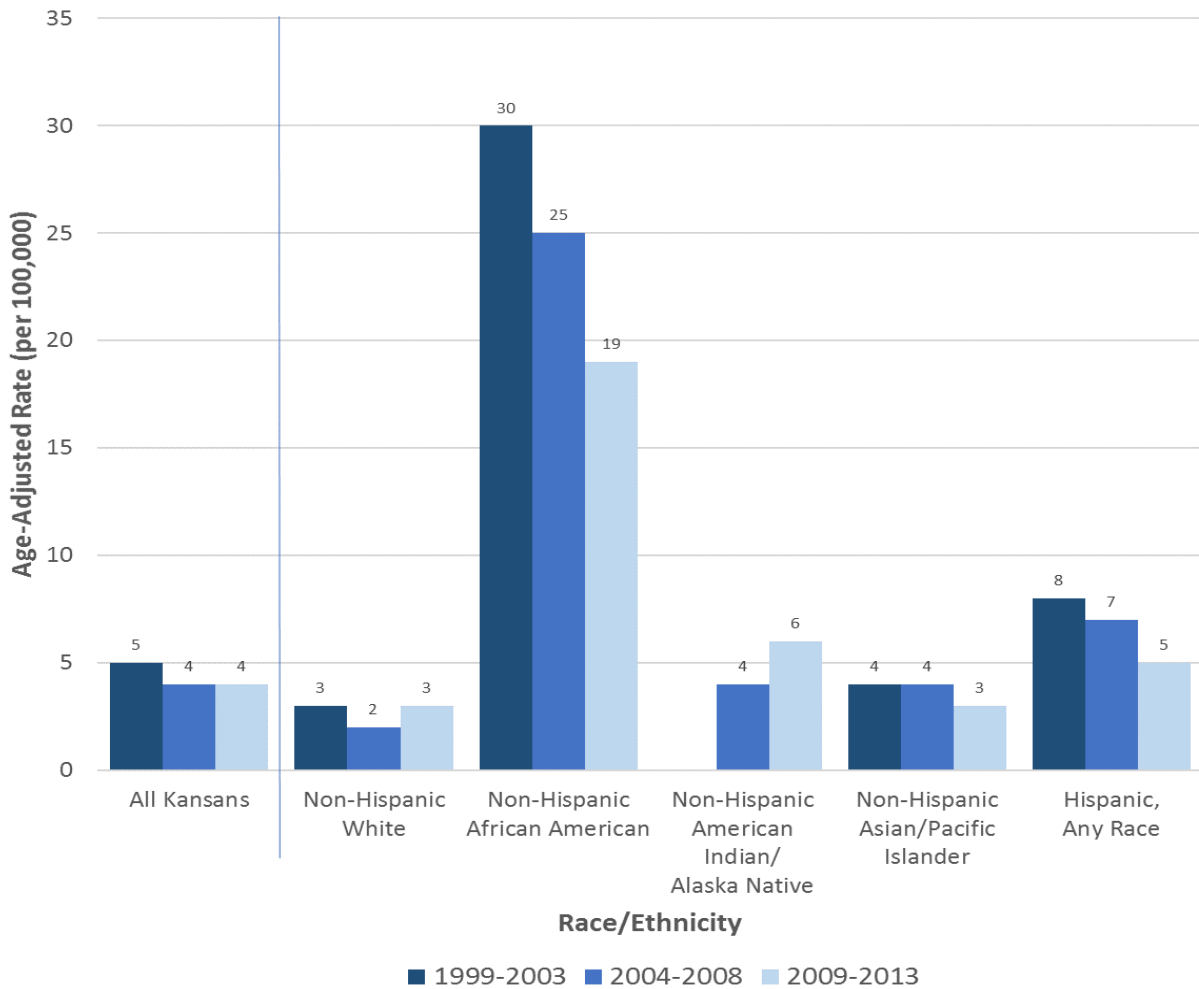
Figure 84a. Age-Adjusted Homicide Mortality Rates by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|------|--|------|-------------------------------------|------|--------------------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 666 | 5 | 312 | 3 | 252 | 30 | - | - | 12 | 4 | 84 | 8 |
| 2004-2008 | 565 | 4 | 234 | 2 | 223 | 25 | 6 | 4 | 12 | 4 | 85 | 7 |
| 2009-2013 | 585 | 4 | 282 | 3 | 178 | 19 | 8 | 6 | 11 | 3 | 87 | 5 |

Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. The symbol "-" indicates a count less than 6 and the count and rate are suppressed due to small counts and unreliable estimates.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 84b. Age-Adjusted Homicide Mortality Rates by Race/Ethnicity in Kansas, 1999-2013



Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander. For Non-Hispanic American Indian/Alaska Natives data for 1999-2003 are suppressed due to a count less than 6.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

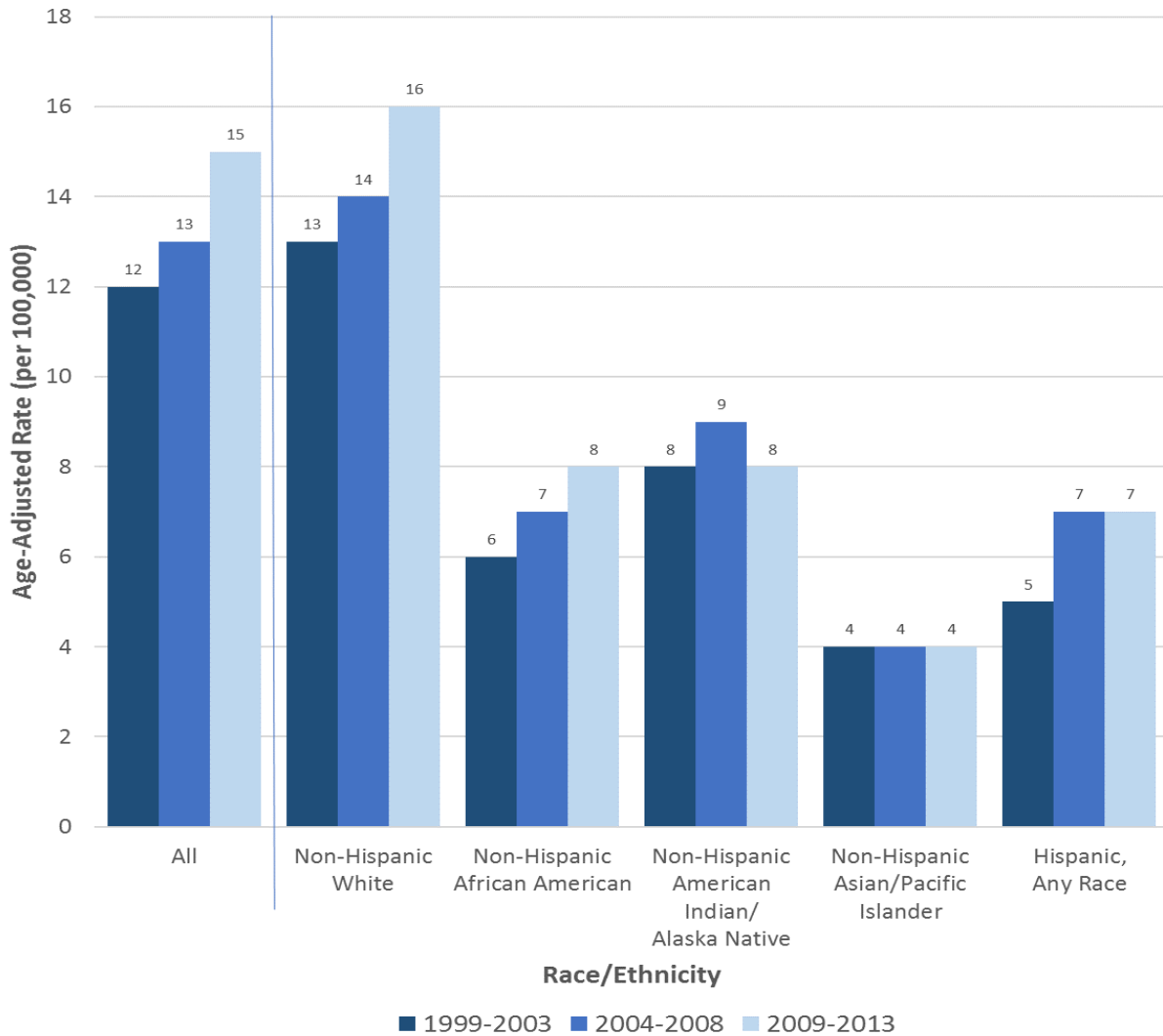
Figure 85a. Age-Adjusted Suicide Mortality Rates by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|------|--|------|-------------------------------------|------|--------------------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 1,616 | 12 | 1,499 | 13 | 45 | 6 | 11 | 8 | 13 | 4 | 45 | 5 |
| 2004-2008 | 1,832 | 13 | 1,636 | 14 | 61 | 7 | 12 | 9 | 14 | 4 | 89 | 7 |
| 2009-2013 | 2,100 | 15 | 1,871 | 16 | 73 | 8 | 11 | 8 | 16 | 4 | 97 | 7 |

Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 85b. Age-Adjusted Suicide Mortality Rates by Race/Ethnicity in Kansas, 1999-2013



Note: Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the U.S. 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

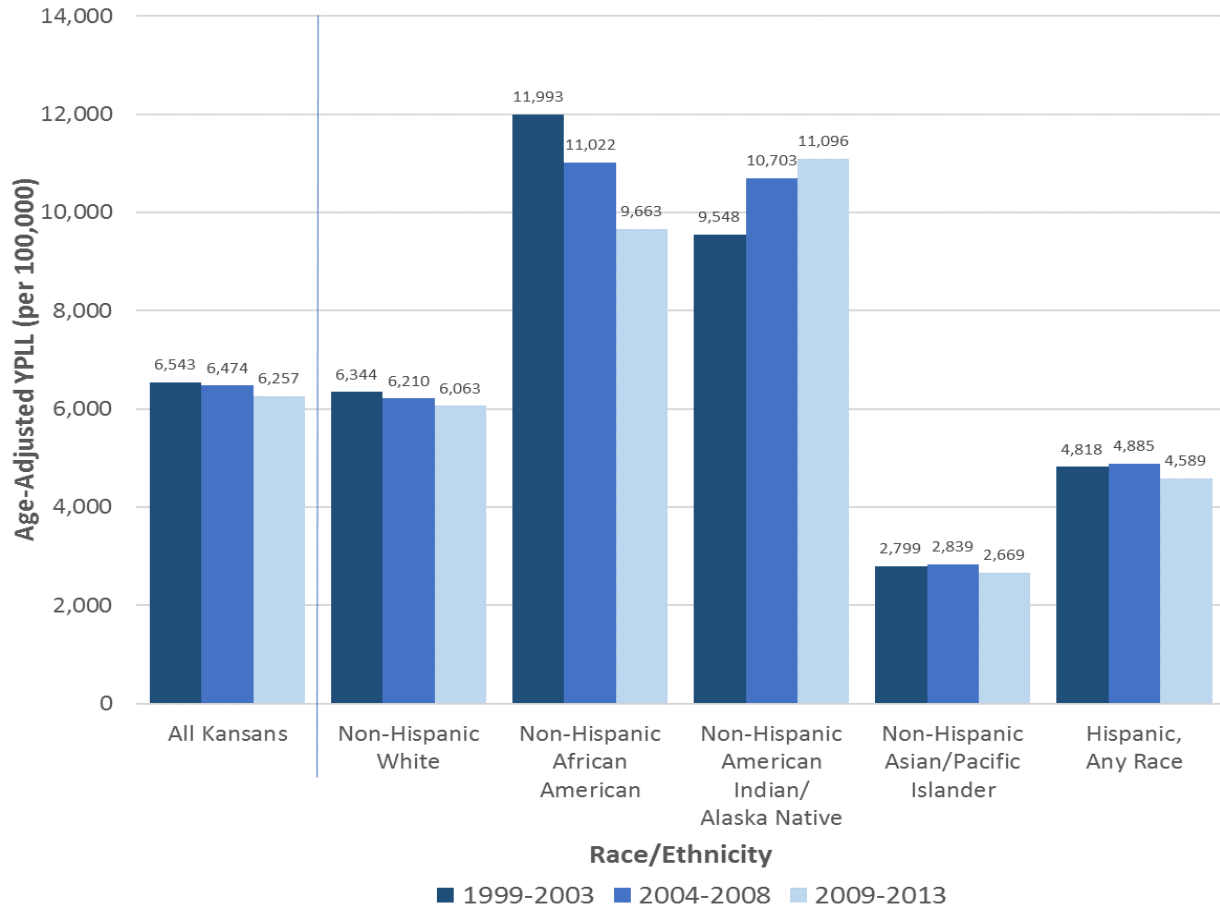
Figure 86a. Age-Adjusted All-Cause Mortality YPLL* Rates by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|-------|--------------------|-------|-------------------------------|--------|--|-------|-------------------------------------|-------|--------------------|-------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 876,682 | 6,543 | 718,520 | 6,344 | 93,233 | 11,993 | 9,548 | 7,652 | 7,257 | 2,799 | 46,909 | 4,818 |
| 2004-2008 | 914,783 | 6,474 | 722,676 | 6,210 | 93,989 | 11,022 | 10,703 | 8,252 | 8,907 | 2,839 | 61,777 | 4,885 |
| 2009-2013 | 931,829 | 6,257 | 729,552 | 6,063 | 89,573 | 9,663 | 11,096 | 7,708 | 10,295 | 2,669 | 67,549 | 4,589 |

Note: * Years of Potential Life Lost. See *Technical Notes, Appendix H* for description of Years of Potential Life Lost. Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 86b. Age-Adjusted All-Cause Mortality YPLL* Rates by Race/Ethnicity in Kansas, 1999-2013



Note: * Years of Potential Life Lost. See *Technical Notes, Appendix H* for description of Years of Potential Life Lost. Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics’ bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

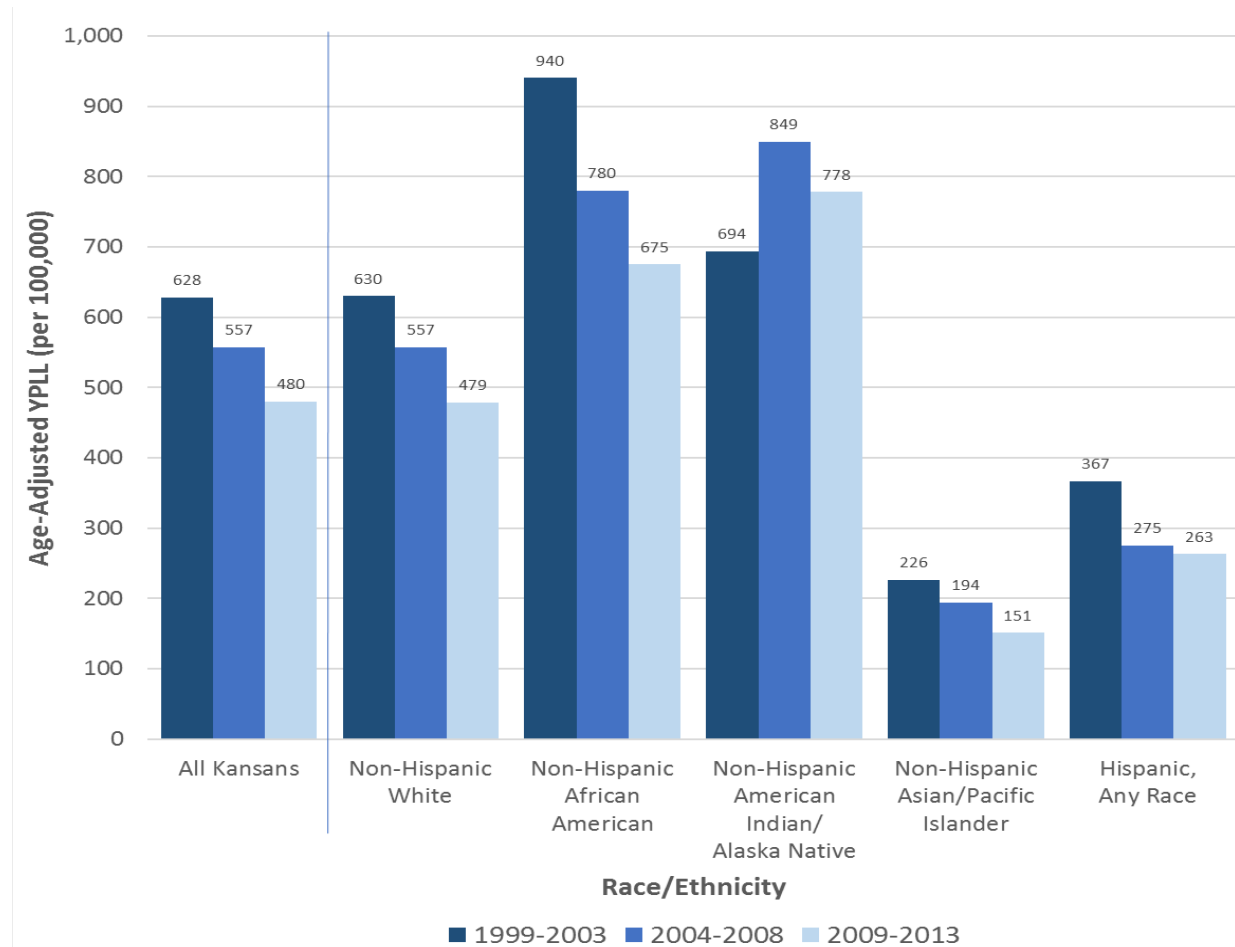
Figure 87a. Age-Adjusted Coronary Heart Disease Mortality YPLL* Rates by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|------|--|------|-------------------------------------|------|--------------------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 83,219 | 628 | 74,448 | 630 | 5,756 | 940 | 706 | 694 | 442 | 226 | 1,820 | 367 |
| 2004-2008 | 80,542 | 557 | 70,047 | 557 | 5,648 | 780 | 1,065 | 849 | 523 | 194 | 1,990 | 275 |
| 2009-2013 | 75,176 | 480 | 64,009 | 479 | 5,492 | 675 | 1,087 | 778 | 522 | 151 | 2,363 | 263 |

Note: * Years of Potential Life Lost. See *Technical Notes, Appendix H* for description of Years of Potential Life Lost. Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 87b. Age-Adjusted Coronary Heart Disease Mortality YPLL* Rates by Race/Ethnicity in Kansas, 1999-2013



Note: * Years of Potential Life Lost. See *Technical Notes, Appendix H* for description of Years of Potential Life Lost. Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

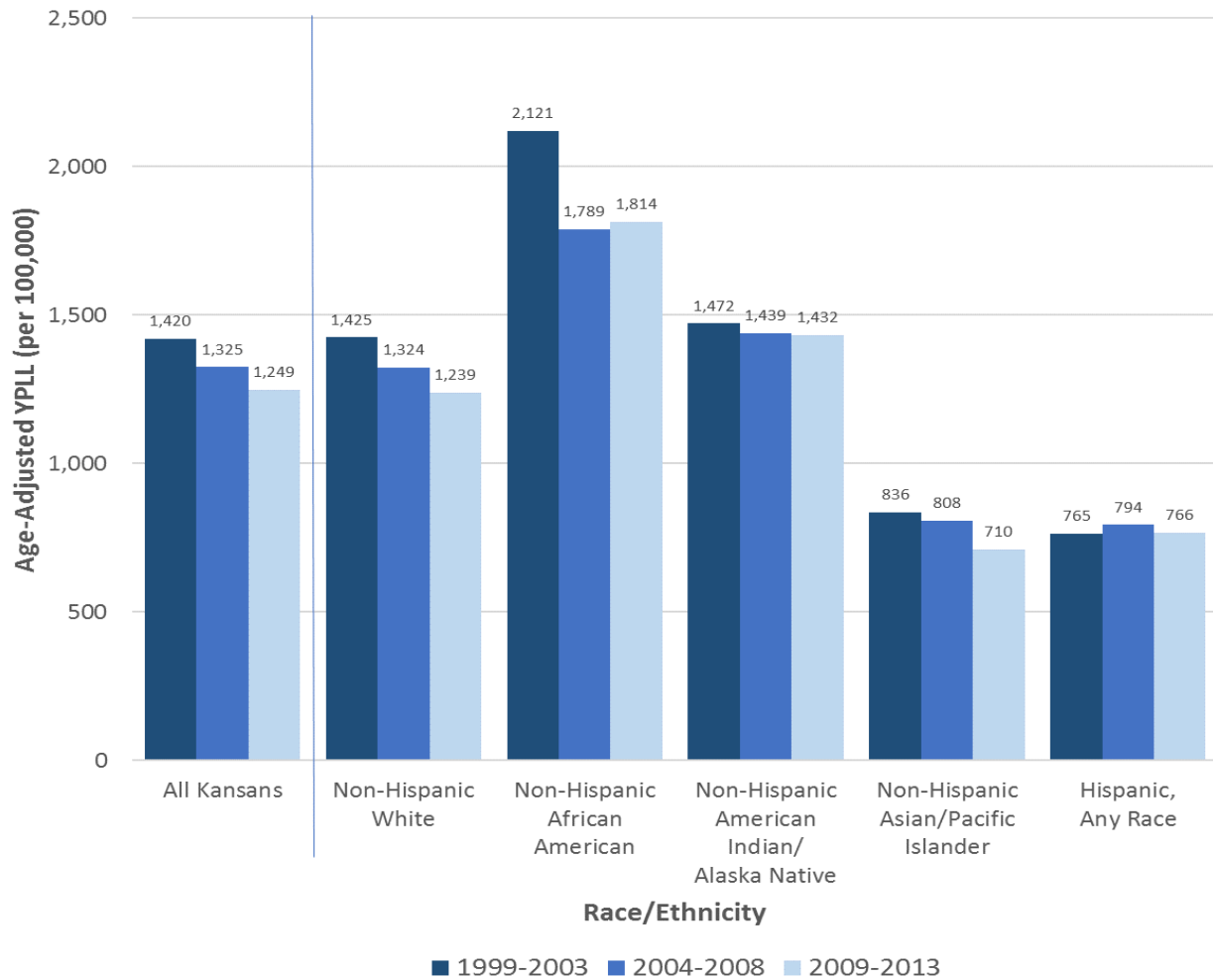
Figure 88a. Age-Adjusted Cancer Mortality YPLL* Rates by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|-------|--------------------|-------|-------------------------------|-------|--|-------|-------------------------------------|------|--------------------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 188,291 | 1,420 | 166,811 | 1,425 | 13,482 | 2,121 | 1,594 | 1,472 | 1,881 | 836 | 4,493 | 765 |
| 2004-2008 | 191,429 | 1,325 | 165,998 | 1,324 | 12,950 | 1,789 | 1,728 | 1,439 | 2,283 | 808 | 6,367 | 794 |
| 2009-2013 | 196,523 | 1,249 | 166,149 | 1,239 | 15,168 | 1,814 | 1,992 | 1,432 | 2,488 | 710 | 7,914 | 766 |

Note: * Years of Potential Life Lost. See *Technical Notes, Appendix H* for description of Years of Potential Life Lost. Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 88b. Age-Adjusted Cancer Mortality YPLL* Rates by Race/Ethnicity in Kansas, 1999-2013



Note: * Years of Potential Life Lost. See *Technical Notes, Appendix H* for description of Years of Potential Life Lost. Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

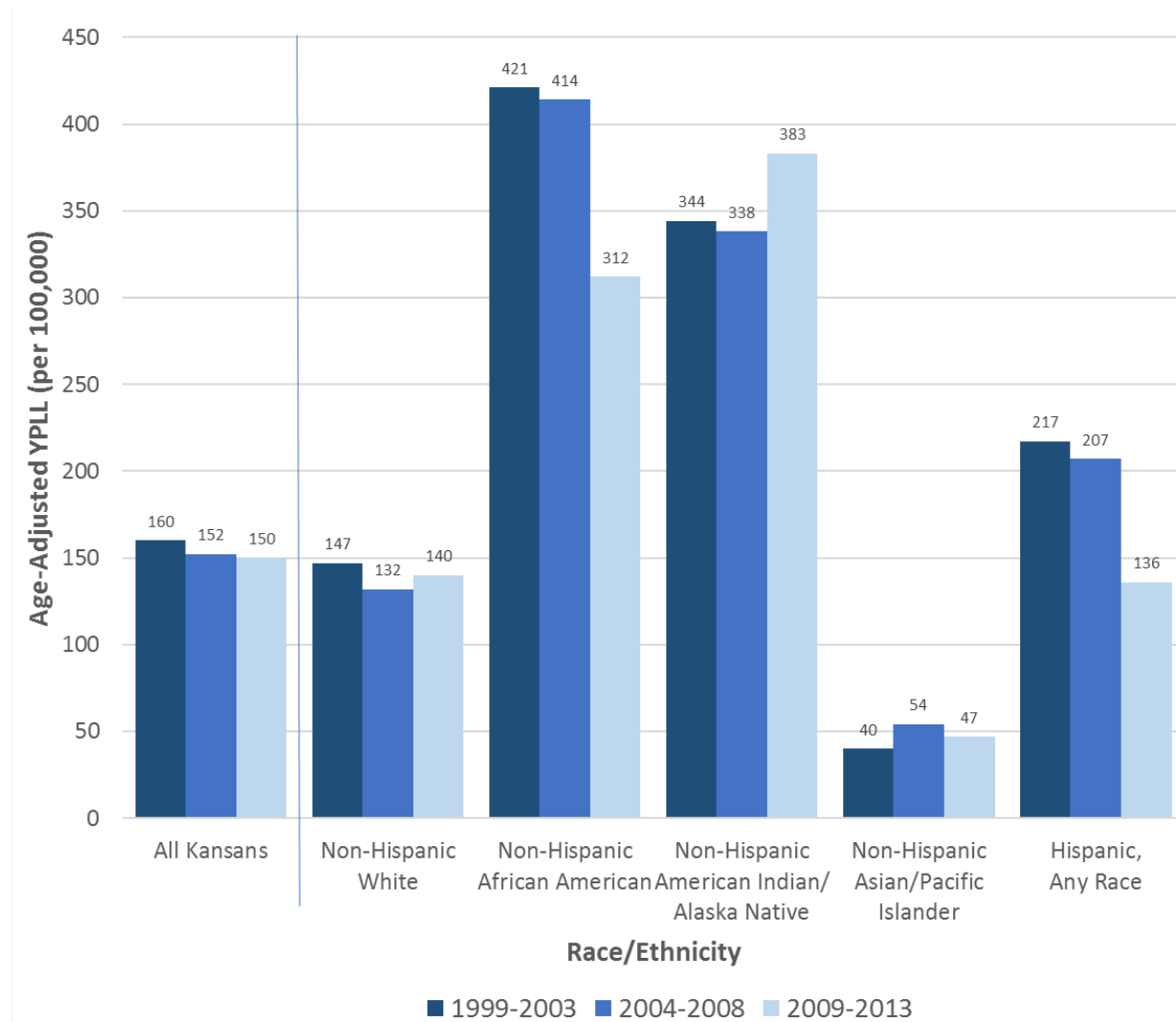
Figure 89a. Age-Adjusted Diabetes Mortality YPLL* Rates by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|------|--------------------|------|-------------------------------|------|--|------|-------------------------------------|------|--------------------|------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 21,155 | 160 | 17,032 | 147 | 2,635 | 421 | 391 | 344 | 59 | 40 | 1,038 | 217 |
| 2004-2008 | 21,930 | 152 | 16,565 | 132 | 3,092 | 414 | 411 | 338 | 131 | 54 | 1,366 | 207 |
| 2009-2013 | 22,985 | 150 | 18,118 | 140 | 2,499 | 312 | 529 | 383 | 166 | 47 | 1,235 | 136 |

Note: * Years of Potential Life Lost. See *Technical Notes, Appendix H* for description of Years of Potential Life Lost. Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 89b. Age-Adjusted Diabetes Mortality YPLL* Rates by Race/Ethnicity in Kansas, 1999-2013



Note: * Years of Potential Life Lost. See *Technical Notes, Appendix H* for description of Years of Potential Life Lost. Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

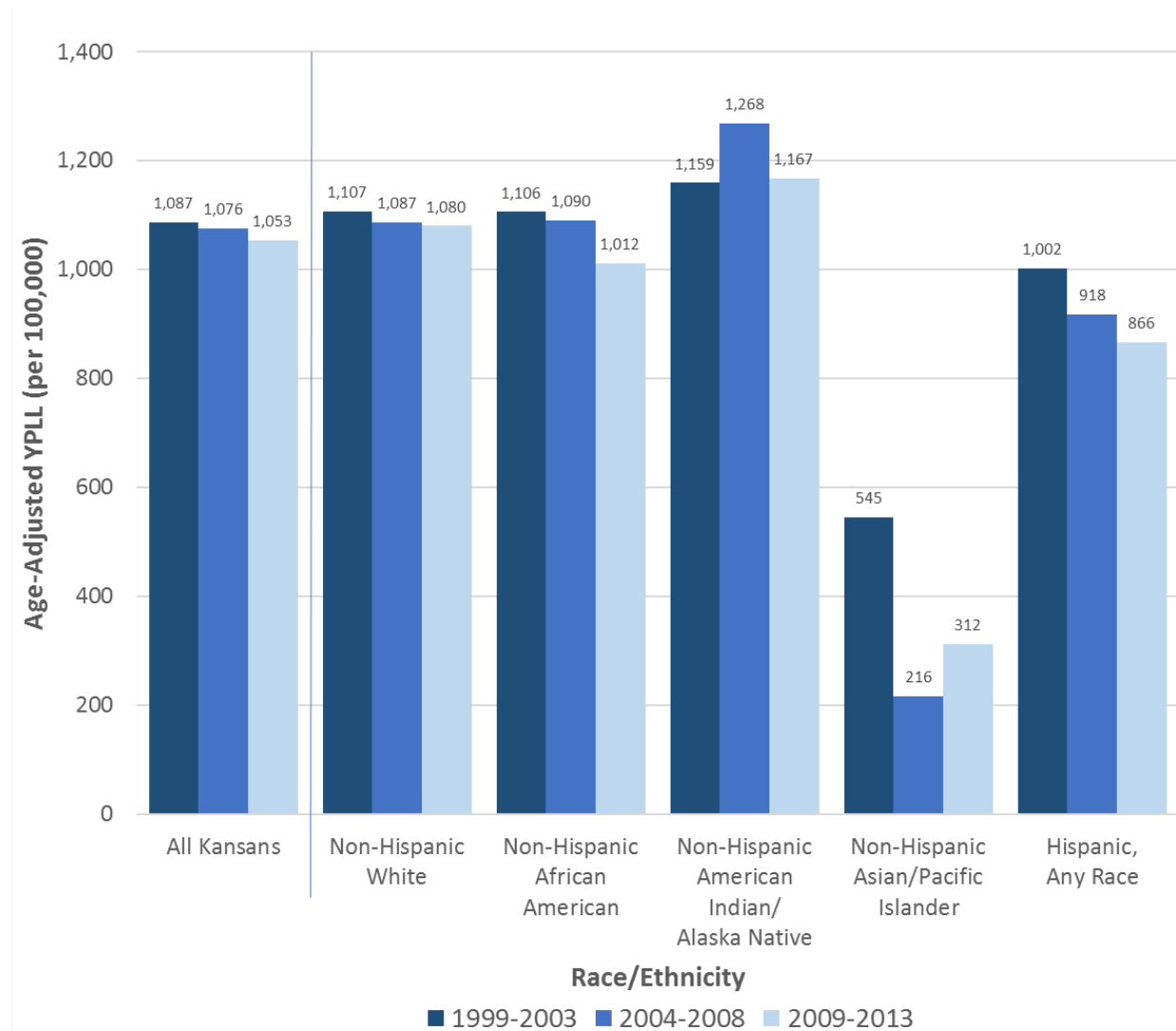
Figure 90a. Age-Adjusted Unintentional Injury Mortality YPLL* Rates by Race/Ethnicity in Kansas, 1999-2013

| | All Kansans | | Non-Hispanic White | | Non-Hispanic African American | | Non-Hispanic American Indian/Alaska Native | | Non-Hispanic Asian/Pacific Islander | | Hispanic, Any Race | |
|------------------|-------------|-------|--------------------|-------|-------------------------------|-------|--|-------|-------------------------------------|------|--------------------|-------|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate |
| 1999-2003 | 147,833 | 1,087 | 122,392 | 1,107 | 10,051 | 1,106 | 1,658 | 1,159 | 1,684 | 545 | 11,912 | 1,002 |
| 2004-2008 | 147,488 | 1,076 | 118,051 | 1,087 | 9,731 | 1,090 | 1,810 | 1,268 | 804 | 216 | 13,383 | 918 |
| 2009-2013 | 147,241 | 1,053 | 115,725 | 1,080 | 9,980 | 1,012 | 1,770 | 1,167 | 1,362 | 312 | 14,634 | 866 |

Note: * Years of Potential Life Lost. See *Technical Notes, Appendix H* for description of Years of Potential Life Lost. Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

Figure 90b. Age-Adjusted Unintentional Injury Mortality YPLL* Rates by Race/Ethnicity in Kansas, 1999-2013



Note: * Years of Potential Life Lost. See *Technical Notes, Appendix H* for description of Years of Potential Life Lost. Rates are for three five-year periods. Rates are age-adjusted and per 100,000 persons using the 2000 standard population. Counts and rates for Other non-Hispanics are not included as a separate category due to the use of the National Center for Health Statistics' bridged-race estimates for denominators. These counts are included in the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: Kansas Department of Health and Environment, data from combined years 1999-2003, 2004-2008 and 2009-2013.

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