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Appendix E. Disease and Disability

Please note: “All Kansans” in the following figures refers to all Kansans in the subpopulation described in the title of the figures.
Figure E1a. Percent of Population with Any Disability by Race/Ethnicity and Gender in Kansas, 2015

<table>
<thead>
<tr>
<th></th>
<th>All</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Count</td>
<td>%</td>
<td>Count</td>
</tr>
<tr>
<td>All Kansans</td>
<td>377,349</td>
<td>13.0%</td>
<td>185,845</td>
</tr>
<tr>
<td>Non-Hispanic White</td>
<td>307,725</td>
<td>13.8%</td>
<td>151,274</td>
</tr>
<tr>
<td>Non-Hispanic African-American</td>
<td>25,531</td>
<td>15.7%</td>
<td>12,477</td>
</tr>
<tr>
<td>Non-Hispanic American Indian/Alaska Native</td>
<td>3,977</td>
<td>19.9%</td>
<td>1,843</td>
</tr>
<tr>
<td>Non-Hispanic Asian/Pacific Islander</td>
<td>4,784</td>
<td>6.4%</td>
<td>1,821</td>
</tr>
<tr>
<td>Non-Hispanic Some Other Race</td>
<td>322</td>
<td>19.1%</td>
<td>101</td>
</tr>
<tr>
<td>Non-Hispanic Two or More</td>
<td>10,843</td>
<td>13.4%</td>
<td>5,494</td>
</tr>
<tr>
<td>Hispanic, Any Race</td>
<td>24,167</td>
<td>7.5%</td>
<td>12,835</td>
</tr>
</tbody>
</table>

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 E1b. Percent of Population with a Self-Care Difficulty by Race/Ethnicity and Gender in Kansas, 2015

<table>
<thead>
<tr>
<th></th>
<th>All</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Count</td>
<td>%</td>
<td>Count</td>
</tr>
<tr>
<td>All Kansans</td>
<td>80,379</td>
<td>3.0%</td>
<td>34,275</td>
</tr>
<tr>
<td>Non-Hispanic White</td>
<td>66,775</td>
<td>3.2%</td>
<td>28,308</td>
</tr>
<tr>
<td>Non-Hispanic African-American</td>
<td>5,566</td>
<td>3.7%</td>
<td>2,209</td>
</tr>
<tr>
<td>Non-Hispanic American Indian/Alaska Native</td>
<td>847</td>
<td>4.5%</td>
<td>405</td>
</tr>
<tr>
<td>Non-Hispanic Asian/Pacific Islander</td>
<td>1,052</td>
<td>1.5%</td>
<td>357</td>
</tr>
<tr>
<td>Non-Hispanic Some Other Race</td>
<td>32</td>
<td>2.0%</td>
<td>0</td>
</tr>
<tr>
<td>Non-Hispanic Two or More Races</td>
<td>2,005</td>
<td>2.9%</td>
<td>865</td>
</tr>
<tr>
<td>Hispanic, Any Race</td>
<td>4,102</td>
<td>1.4%</td>
<td>2,131</td>
</tr>
</tbody>
</table>

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.

Figure E1c. Percent of Population with a Hearing Difficulty by Race/Ethnicity and Gender in Kansas, 2015

<table>
<thead>
<tr>
<th></th>
<th>All</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Count</td>
<td>%</td>
<td>Count</td>
</tr>
<tr>
<td>All Kansans</td>
<td>115,317</td>
<td>4.0%</td>
<td>70,684</td>
</tr>
<tr>
<td>Non-Hispanic White</td>
<td>100,780</td>
<td>4.5%</td>
<td>62,106</td>
</tr>
<tr>
<td>Non-Hispanic African-American</td>
<td>3,481</td>
<td>2.1%</td>
<td>2,110</td>
</tr>
<tr>
<td>Non-Hispanic American Indian/Alaska Native</td>
<td>910</td>
<td>4.6%</td>
<td>525</td>
</tr>
<tr>
<td>Non-Hispanic Asian/Pacific Islander</td>
<td>1,453</td>
<td>1.9%</td>
<td>681</td>
</tr>
<tr>
<td>Non-Hispanic Some Other Race</td>
<td>63</td>
<td>3.7%</td>
<td>11</td>
</tr>
<tr>
<td>Non-Hispanic Two or More Races</td>
<td>2,020</td>
<td>2.5%</td>
<td>1,181</td>
</tr>
<tr>
<td>Hispanic, Any Race</td>
<td>6,610</td>
<td>2.0%</td>
<td>4,070</td>
</tr>
</tbody>
</table>

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.

### Figure E1d. Percent of Population with a Vision Difficulty by Race/Ethnicity and Gender in Kansas, 2015

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>All</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Count</td>
<td>%</td>
<td>Count</td>
</tr>
<tr>
<td>All Kansans</td>
<td>61,735</td>
<td>2.1%</td>
<td>28,201</td>
</tr>
<tr>
<td>Non-Hispanic White</td>
<td>47,513</td>
<td>2.1%</td>
<td>22,052</td>
</tr>
<tr>
<td>Non-Hispanic African-American</td>
<td>4,886</td>
<td>3.0%</td>
<td>2,116</td>
</tr>
<tr>
<td>Non-Hispanic American Indian/Alaska Native</td>
<td>688</td>
<td>3.4%</td>
<td>197</td>
</tr>
<tr>
<td>Non-Hispanic Asian/Pacific Islander</td>
<td>1,129</td>
<td>1.5%</td>
<td>288</td>
</tr>
<tr>
<td>Non-Hispanic Some Other Race</td>
<td>62</td>
<td>3.7%</td>
<td>31</td>
</tr>
<tr>
<td>Non-Hispanic Two or More Races</td>
<td>1,852</td>
<td>2.3%</td>
<td>703</td>
</tr>
<tr>
<td>Hispanic, Any Race</td>
<td>5,605</td>
<td>1.7%</td>
<td>2,814</td>
</tr>
</tbody>
</table>

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.

### Figure E1e. Percent of Population with an Independent Living Difficulty by Race/Ethnicity and Gender in Kansas, 2015

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Count</th>
<th>%</th>
<th>Count</th>
<th>%</th>
<th>Count</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>All Kansans</strong></td>
<td>132,347</td>
<td>5.8%</td>
<td>53,258</td>
<td>4.7%</td>
<td>79,089</td>
<td>6.8%</td>
</tr>
<tr>
<td><strong>Non-Hispanic White</strong></td>
<td>109,909</td>
<td>6.0%</td>
<td>43,165</td>
<td>4.8%</td>
<td>66,744</td>
<td>7.2%</td>
</tr>
<tr>
<td><strong>Non-Hispanic African-American</strong></td>
<td>9,132</td>
<td>7.3%</td>
<td>4,117</td>
<td>6.4%</td>
<td>5,015</td>
<td>8.2%</td>
</tr>
<tr>
<td><strong>Non-Hispanic American Indian/Alaska Native</strong></td>
<td>1,258</td>
<td>8.0%</td>
<td>526</td>
<td>7.0%</td>
<td>732</td>
<td>8.9%</td>
</tr>
<tr>
<td><strong>Non-Hispanic Asian/Pacific Islander</strong></td>
<td>2,288</td>
<td>3.9%</td>
<td>675</td>
<td>2.4%</td>
<td>1,613</td>
<td>5.2%</td>
</tr>
<tr>
<td><strong>Non-Hispanic Some Other Race</strong></td>
<td>79</td>
<td>6.4%</td>
<td>31</td>
<td>7.3%</td>
<td>48</td>
<td>5.9%</td>
</tr>
<tr>
<td><strong>Non-Hispanic Two or More Races</strong></td>
<td>3,396</td>
<td>7.2%</td>
<td>1,456</td>
<td>6.1%</td>
<td>1,940</td>
<td>8.3%</td>
</tr>
<tr>
<td><strong>Hispanic, Any Race</strong></td>
<td>6,285</td>
<td>2.9%</td>
<td>3,288</td>
<td>2.9%</td>
<td>2,997</td>
<td>3.0%</td>
</tr>
</tbody>
</table>

**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 E1f: Percent of Population with an Ambulatory Difficulty by Race/Ethnicity and Gender in Kansas, 2015**

<table>
<thead>
<tr>
<th></th>
<th>All</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Count</td>
<td>%</td>
<td>Count</td>
</tr>
<tr>
<td><strong>All Kansans</strong></td>
<td>196,221</td>
<td>7.3%</td>
<td>80,266</td>
</tr>
<tr>
<td><strong>Non-Hispanic White</strong></td>
<td>162,936</td>
<td>7.8%</td>
<td>66,434</td>
</tr>
<tr>
<td><strong>Non-Hispanic African-American</strong></td>
<td>14,015</td>
<td>9.3%</td>
<td>5,589</td>
</tr>
<tr>
<td><strong>Non-Hispanic American Indian/Alaska Native</strong></td>
<td>2,398</td>
<td>12.7%</td>
<td>895</td>
</tr>
<tr>
<td><strong>Non-Hispanic Asian/Pacific Islander</strong></td>
<td>2,308</td>
<td>3.3%</td>
<td>694</td>
</tr>
<tr>
<td><strong>Non-Hispanic Some Other Race</strong></td>
<td>136</td>
<td>8.7%</td>
<td>50</td>
</tr>
<tr>
<td><strong>Non-Hispanic Two or More Races</strong></td>
<td>4,670</td>
<td>6.8%</td>
<td>1,724</td>
</tr>
<tr>
<td><strong>Hispanic, Any Race</strong></td>
<td>9,758</td>
<td>3.4%</td>
<td>4,880</td>
</tr>
</tbody>
</table>

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.

**Figure E1g.** Percent of Population with a Cognitive Difficulty by Race/Ethnicity and Gender in Kansas, 2015

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>All Kansans</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Count</td>
<td>%</td>
<td>Count</td>
</tr>
<tr>
<td>All Kansans</td>
<td>149,035</td>
<td>5.5%</td>
<td>75,202</td>
</tr>
<tr>
<td>Non-Hispanic White</td>
<td>117,104</td>
<td>5.6%</td>
<td>57,610</td>
</tr>
<tr>
<td>Non-Hispanic African-American</td>
<td>11,807</td>
<td>7.8%</td>
<td>6,812</td>
</tr>
<tr>
<td>Non-Hispanic American Indian/Alaska Native</td>
<td>1,704</td>
<td>9.1%</td>
<td>793</td>
</tr>
<tr>
<td>Non-Hispanic Asian/Pacific Islander</td>
<td>1,899</td>
<td>2.7%</td>
<td>729</td>
</tr>
<tr>
<td>Non-Hispanic Some Other Race</td>
<td>193</td>
<td>12.3%</td>
<td>45</td>
</tr>
<tr>
<td>Non-Hispanic Two or More Races</td>
<td>5,832</td>
<td>8.5%</td>
<td>3,383</td>
</tr>
<tr>
<td>Hispanic, Any Race</td>
<td>10,496</td>
<td>3.7%</td>
<td>5,830</td>
</tr>
</tbody>
</table>

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.

Table E2. Hospital Discharge Rates by Race/Ethnicity, Gender and Condition in Kansas, 2015

<table>
<thead>
<tr>
<th>Condition</th>
<th>All Kansans</th>
<th>Non-Hispanic White</th>
<th>Non-Hispanic African American</th>
<th>Non-Hispanic American Indian/Alaska Native</th>
<th>Non-Hispanic Asian/Pacific Islander</th>
<th>Hispanic, Any Race</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>253,965</td>
<td>960.2</td>
<td>229,487</td>
<td>813.2</td>
<td>243,618</td>
<td>221,462</td>
</tr>
<tr>
<td>Female</td>
<td>394,355</td>
<td>1,324.8</td>
<td>334,558</td>
<td>1,090.4</td>
<td>348,127</td>
<td>331,972</td>
</tr>
<tr>
<td>Total</td>
<td>648,340</td>
<td>1,350.0</td>
<td>564,041</td>
<td>946.7</td>
<td>601,745</td>
<td>553,734</td>
</tr>
</tbody>
</table>

Note: Rates are for two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons. Numerators based on FFY and denominators based on Census mid-year population estimates. 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: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.