US COUNTY PERFORMANCE
The Institute for Health Metrics and Evaluation (IHME) at the University of Washington analyzed the performance of all 3,142 US counties or county-equivalents in terms of life expectancy at birth, mortality rates for select causes, alcohol use, smoking prevalence, obesity prevalence, and recommended physical activity using novel small area estimation techniques and the most up-to-date county-level information.

Explore more results using the interactive US Health Map data visualization (http://vizhub.healthdata.org/subnational/usa).

FINDINGS: LIFE EXPECTANCY

<table>
<thead>
<tr>
<th>Sex</th>
<th>Stark County</th>
<th>North Dakota</th>
<th>National</th>
<th>National rank</th>
<th>% change 1980-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>83.4</td>
<td>82.4</td>
<td>81.5</td>
<td>171</td>
<td>+3.8</td>
</tr>
<tr>
<td>Male</td>
<td>78.1</td>
<td>77.6</td>
<td>76.7</td>
<td>449</td>
<td>+7.3</td>
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</table>

Life expectancy at birth (years), 2014

Fig. 1: Female life expectancy, 2014
Fig. 2: Male life expectancy, 2014

FINDINGS: ALL-CAUSE MORTALITY

<table>
<thead>
<tr>
<th>Sex</th>
<th>Stark County</th>
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<th>National</th>
<th>National rank</th>
<th>% change 1980-2014</th>
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</thead>
<tbody>
<tr>
<td>Female</td>
<td>542.6</td>
<td>605.2</td>
<td>667.8</td>
<td>135</td>
<td>-19.7</td>
</tr>
<tr>
<td>Male</td>
<td>813.3</td>
<td>888.5</td>
<td>930.1</td>
<td>319</td>
<td>-30.1</td>
</tr>
</tbody>
</table>

Rate per 100,000 population, age-standardized, 2014

Fig. 3: Female all-cause mortality, 2014
Fig. 4: Male all-cause mortality, 2014
FINDINGS: ISCHEMIC HEART DISEASE

<table>
<thead>
<tr>
<th>Sex</th>
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<th>North Dakota</th>
<th>National</th>
<th>National rank</th>
<th>% change 1980-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>103.9</td>
<td>105.1</td>
<td>124.9</td>
<td>668</td>
<td>-45.3</td>
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<tr>
<td>Male</td>
<td>198.5</td>
<td>182.9</td>
<td>191.5</td>
<td>1362</td>
<td>-47.5</td>
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</table>

rate per 100,000 population, age-standardized, 2014

Fig. 5: Female ischemic heart disease, 2014
Fig. 6: Male ischemic heart disease, 2014

FINDINGS: CEREBROVASCULAR DISEASE (STROKE)

<table>
<thead>
<tr>
<th>Sex</th>
<th>Stark County</th>
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<th>National rank</th>
<th>% change 1980-2014</th>
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</thead>
<tbody>
<tr>
<td>Female</td>
<td>44.4</td>
<td>48.8</td>
<td>47.4</td>
<td>761</td>
<td>-44.3</td>
</tr>
<tr>
<td>Male</td>
<td>49.4</td>
<td>53.0</td>
<td>48.8</td>
<td>1281</td>
<td>-49.8</td>
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rate per 100,000 population, age-standardized, 2014

Fig. 7: Female cerebrovascular disease (stroke), 2014
Fig. 8: Male cerebrovascular disease (stroke), 2014
FINDINGS: TRACHEAL, BRONCHUS, AND LUNG CANCER

<table>
<thead>
<tr>
<th>Sex</th>
<th>Stark County</th>
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<th>National</th>
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<th>% change 1980-2014</th>
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<tr>
<td>Female</td>
<td>28.9</td>
<td>38.2</td>
<td>43.8</td>
<td>172</td>
<td>+71.8</td>
</tr>
<tr>
<td>Male</td>
<td>48.2</td>
<td>61.5</td>
<td>67.6</td>
<td>254</td>
<td>-26.7</td>
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rate per 100,000 population, age-standardized, 2014

Fig. 9: Female tracheal, bronchus, and lung cancer, 2014
Fig. 10: Male tracheal, bronchus, and lung cancer, 2014

FINDINGS: BREAST CANCER

<table>
<thead>
<tr>
<th>Sex</th>
<th>Stark County</th>
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<tbody>
<tr>
<td>Female</td>
<td>22.0</td>
<td>22.8</td>
<td>25.9</td>
<td>372</td>
<td>-28.9</td>
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<tr>
<td>Male</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>895</td>
<td>-14.1</td>
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rate per 100,000 population, age-standardized, 2014

Fig. 11: Female breast cancer, 2014
Fig. 12: Male breast cancer, 2014
### FINDINGS: MALIGNANT SKIN MELANOMA

<table>
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<tr>
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<th>% change 1980-2014</th>
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<tr>
<td>Female</td>
<td>1.7</td>
<td>1.6</td>
<td>1.9</td>
<td>461</td>
<td>-9.2</td>
</tr>
<tr>
<td>Male</td>
<td>2.9</td>
<td>3.3</td>
<td>4.5</td>
<td>103</td>
<td>+7.3</td>
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rate per 100,000 population, age-standardized, 2014

**Fig. 13: Female malignant skin melanoma, 2014**

**Fig. 14: Male malignant skin melanoma, 2014**

### FINDINGS: DIABETES, UROGENITAL, BLOOD, AND ENDOCRINE DISEASES MORTALITY

<table>
<thead>
<tr>
<th></th>
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<th>National</th>
<th>National rank</th>
<th>% change 1980-2014</th>
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<tbody>
<tr>
<td>Female</td>
<td>33.6</td>
<td>46.7</td>
<td>49.6</td>
<td>143</td>
<td>-3.9</td>
</tr>
<tr>
<td>Male</td>
<td>49.3</td>
<td>66.3</td>
<td>63.8</td>
<td>358</td>
<td>+22.5</td>
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</tbody>
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rate per 100,000 population, age-standardized, 2014

**Fig. 15: Female diabetes, urogenital, blood, and endocrine diseases mortality, 2014**

**Fig. 16: Male diabetes, urogenital, blood, and endocrine diseases mortality, 2014**
FINDINGS: SELF-HARM AND INTERPERSONAL VIOLENCE MORTALITY

<table>
<thead>
<tr>
<th>Sex</th>
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<th>National rank</th>
<th>% change 1980-2014</th>
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<tr>
<td>Female</td>
<td>8.6</td>
<td>7.6</td>
<td>9.0</td>
<td>1137</td>
<td>+22.7</td>
</tr>
<tr>
<td>Male</td>
<td>30.9</td>
<td>29.0</td>
<td>30.9</td>
<td>1354</td>
<td>+19.0</td>
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rate per 100,000 population, age-standardized, 2014

Fig. 17: Female self-harm and interpersonal violence mortality, 2014

Fig. 18: Male self-harm and interpersonal violence mortality, 2014

FINDINGS: TRANSPORT INJURIES MORTALITY

<table>
<thead>
<tr>
<th>Sex</th>
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<th>% change 1980-2014</th>
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<tr>
<td>Female</td>
<td>7.9</td>
<td>9.9</td>
<td>8.1</td>
<td>456</td>
<td>-29.8</td>
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<tr>
<td>Male</td>
<td>23.9</td>
<td>23.4</td>
<td>19.8</td>
<td>912</td>
<td>-30.7</td>
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rate per 100,000 population, age-standardized, 2014

Fig. 19: Female transport injuries mortality, 2014

Fig. 20: Male transport injuries mortality, 2014
FINDINGS: MENTAL AND SUBSTANCE USE DISORDERS MORTALITY

<table>
<thead>
<tr>
<th>Sex</th>
<th>Stark County</th>
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<th>National</th>
<th>National rank</th>
<th>% change 1980-2014</th>
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<tbody>
<tr>
<td>Female</td>
<td>6.1</td>
<td>5.0</td>
<td>8.2</td>
<td>971</td>
<td>+178.6</td>
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<tr>
<td>Male</td>
<td>11.7</td>
<td>11.1</td>
<td>18.7</td>
<td>894</td>
<td>+163.5</td>
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rate per 100,000 population, age-standardized, 2014

Fig. 21: Female mental and substance use disorders mortality, 2014

Fig. 22: Male mental and substance use disorders mortality, 2014

FINDINGS: CIRRHOSIS AND OTHER CHRONIC LIVER DISEASES MORTALITY

<table>
<thead>
<tr>
<th>Sex</th>
<th>Stark County</th>
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<th>National rank</th>
<th>% change 1980-2014</th>
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<tbody>
<tr>
<td>Female</td>
<td>9.8</td>
<td>11.3</td>
<td>11.8</td>
<td>672</td>
<td>+12.0</td>
</tr>
<tr>
<td>Male</td>
<td>15.4</td>
<td>18.2</td>
<td>22.2</td>
<td>469</td>
<td>-3.7</td>
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rate per 100,000 population, age-standardized, 2014

Fig. 23: Female cirrhosis and other chronic liver diseases mortality, 2014

Fig. 24: Male cirrhosis and other chronic liver diseases mortality, 2014
**FINDINGS: HEAVY DRINKING**

<table>
<thead>
<tr>
<th>Sex</th>
<th>Stark County</th>
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<th>National rank</th>
<th>% change 2005-2012</th>
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<tr>
<td>Female</td>
<td>6.9</td>
<td>7.1</td>
<td>6.7</td>
<td>2264</td>
<td>+58.3</td>
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<tr>
<td>Male</td>
<td>13.3</td>
<td>11.7</td>
<td>9.9</td>
<td>2645</td>
<td>+34.0</td>
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Prevalence (%), age-standardized, 2012

![Fig. 25: Female heavy drinking, 2012](image)

**FINDINGS: BINGE DRINKING**

<table>
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<tr>
<th>Sex</th>
<th>Stark County</th>
<th>North Dakota</th>
<th>National</th>
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<th>% change 2002-2012</th>
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<tr>
<td>Female</td>
<td>17.7</td>
<td>19.0</td>
<td>12.4</td>
<td>2873</td>
<td>+11.0</td>
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<tr>
<td>Male</td>
<td>33.9</td>
<td>33.7</td>
<td>24.5</td>
<td>2886</td>
<td>+3.0</td>
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Prevalence (%), age-standardized, 2012

![Fig. 27: Female binge drinking, 2012](image)

![Fig. 28: Male binge drinking, 2012](image)
### FINDINGS: SMOKING

<table>
<thead>
<tr>
<th>Sex</th>
<th>Stark County</th>
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<th>% change 1996-2012</th>
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<tbody>
<tr>
<td>Female</td>
<td>21.4</td>
<td>20.0</td>
<td>17.9</td>
<td>1429</td>
<td>+11.7</td>
</tr>
<tr>
<td>Male</td>
<td>23.7</td>
<td>23.4</td>
<td>22.2</td>
<td>1053</td>
<td>-10.9</td>
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</table>

prevalence (%), age-standardized, 2012

**Fig. 29: Female smoking, 2012**

**Fig. 30: Male smoking, 2012**

### FINDINGS: OBESITY

<table>
<thead>
<tr>
<th>Sex</th>
<th>Stark County</th>
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<th>% change 2001-2011</th>
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<tbody>
<tr>
<td>Female</td>
<td>37.2</td>
<td>35.6</td>
<td>36.1</td>
<td>1224</td>
<td>+38.4</td>
</tr>
<tr>
<td>Male</td>
<td>36.5</td>
<td>36.5</td>
<td>33.8</td>
<td>1146</td>
<td>+28.1</td>
</tr>
</tbody>
</table>

prevalence (%), age-standardized, 2011

**Fig. 31: Female obesity, 2011**

**Fig. 32: Male obesity, 2011**
## FINDINGS: RECOMMENDED PHYSICAL ACTIVITY

<table>
<thead>
<tr>
<th>Sex</th>
<th>Stark County</th>
<th>North Dakota</th>
<th>National</th>
<th>National rank</th>
<th>% change 2001-2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>53.3</td>
<td>52.8</td>
<td>52.6</td>
<td>1020</td>
<td>+4.1</td>
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<td>Male</td>
<td>50.4</td>
<td>53.7</td>
<td>56.3</td>
<td>2157</td>
<td>-7.9</td>
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</table>

prevalence (%), age-standardized, 2011

Fig. 33: Female recommended physical activity, 2011

Fig. 34: Male recommended physical activity, 2011

## CITATION:
Institute for Health Metrics and Evaluation (IHME),
US County Profile: Stark County, North Dakota.