2016
DRIVE YOUR COUNTY TO THE TOP TEN
INFORMING • CONNECTING • ACCELERATING
Sullivan County
Population: 157,047
<18 YOA: 19.91%
65+ YOA: 20.33%
% Rural: 25.60%
Unemployment: 6.69%
% Females: 51.60%
% Males: 48.40%
Graduation Rate: 89.83%

Top Third

Measure | Value
--- | ---
Diabetic Monitoring | 91.16%
Mammography Screening | 72.00%
Primary Care Physicians | 705:1
Dentists | 1402:1
Air Pollution - Particulate Matter | 13.04
Long Commute - Driving Alone | 24.00%
Alcohol-Impaired Driving Deaths | 19.17%
Access to Exercise Opportunities | 76.88%
Severe Housing Problems | 11.79%

Middle Third

Measure | Value
--- | ---
Poor or Fair Health | 21.50%
Sexually Transmitted Infections | 249.38
Poor Physical Health Days | 4.80
Poor Mental Health Days | 4.70
Low Birthweight | 8.57%
Teen Births | 47.75
Children in Poverty | 28.20%
Physical Inactivity | 36.30%
High School Graduation | 89.83%

Bottom Third

Measure | Value
--- | ---
Food Environment Index | 6.40
Violent Crime | 530.20
Adult Smoking | 24.80%
Income Inequality | 4.93
Driving Alone to Work | 86.93%

Children in Single-Parent Households | 34.87%
Excessive Drinking | 11.90%

Tennessee's Big 3 + 1

Why were these charts selected? The "Big 3 + 1" directly influences at least six of the top ten leading causes of death in Tennessee, and also directly influence other public health threats, such as heart disease, cancer, and diabetes. Overall, the Big Three plus One influences two-thirds of the factors that contribute to Tennessee's overall rank.

Comparative Counties:

Each graph provides the Tennessee county with its respective region and three non-Tennessee comparative counties from around the US based on county-level demographics. The vertical lines represent: the TN Average, the US Average, Top US Performers (top 10%) and the Healthy People 2020 (HP) Goal. For all measures a decrease (shift left) in percentage represents improvement.
### Health Outcomes

#### Premature Death

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked Value</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>Knox</td>
<td>8932.40</td>
<td>7735.80</td>
<td>1196.60</td>
<td>↓Bad ↑Good</td>
<td>6,600.00</td>
<td>Mercer, PA</td>
<td>7414.50</td>
</tr>
</tbody>
</table>

For every 100 people in the county, 1 person in the county need to live one year closer to age 75.

**Source**: National Center for Health Statistics - Mortality files

#### Poor or Fair Health*

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked Value</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>Rutherford</td>
<td>21.50%</td>
<td>19.60%</td>
<td>1.90%</td>
<td>↑Bad ↓Good</td>
<td>18.00%</td>
<td>Mercer, PA</td>
<td>14.80%</td>
</tr>
</tbody>
</table>

Improve the health of 2 out of every 100 people in the county who, in general, report being in poor or fair health.

**Source**: Behavioral Risk Factor Surveillance System

#### Poor Physical Health Days*

<table>
<thead>
<tr>
<th>Rank</th>
<th>5th Ranked</th>
<th>Value</th>
<th>5th Ranked Value</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>Knox</td>
<td>4.80</td>
<td>4.30</td>
<td>0.50</td>
<td>↑Bad ↑Good</td>
<td>3.8</td>
<td>Mercer, PA</td>
<td>3.70</td>
</tr>
</tbody>
</table>

Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.

**Source**: Behavioral Risk Factor Surveillance System

#### Poor Mental Health Days*

<table>
<thead>
<tr>
<th>Rank</th>
<th>1st Ranked</th>
<th>Value</th>
<th>1st Ranked Value</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>Williamson</td>
<td>4.70</td>
<td>3.80</td>
<td>0.90</td>
<td>↑Bad ↑Good</td>
<td>2.8</td>
<td>Mercer, PA</td>
<td>4.00</td>
</tr>
</tbody>
</table>

Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.

**Source**: Behavioral Risk Factor Surveillance System

#### Low Birthweight

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked Value</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>Pickett</td>
<td>8.57%</td>
<td>7.24%</td>
<td>1.33%</td>
<td>↑Bad ↑Good</td>
<td>8.00%</td>
<td>Mercer, PA</td>
<td>7.88%</td>
</tr>
</tbody>
</table>

Reduce the number of low birth weight babies by 2 for every 100 live births.

**Source**: National Center for Health Statistics - Natality files

#### Adult Smoking*

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked Value</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>77</td>
<td>Humphreys</td>
<td>24.80%</td>
<td>21.10%</td>
<td>3.70%</td>
<td>↑Bad ↑Good</td>
<td>17.00%</td>
<td>Mercer, PA</td>
<td>22.20%</td>
</tr>
</tbody>
</table>

Get 15 out of every 100 current adult smokers in the county to quit smoking.

**Source**: Behavioral Risk Factor Surveillance System

#### Adult Obesity

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked Value</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
<td>Hamilton</td>
<td>31.20%</td>
<td>29.90%</td>
<td>1.30%</td>
<td>↑Bad ↑Good</td>
<td>27.00%</td>
<td>Mercer, PA</td>
<td>33.40%</td>
</tr>
</tbody>
</table>

Get 5 out of every 100 current obese adults in the county to reduce their BMI below 30.

**Source**: CDC Diabetes Interactive Atlas

#### Food Environment Index

<table>
<thead>
<tr>
<th>Rank</th>
<th>5th Ranked</th>
<th>Value</th>
<th>5th Ranked Value</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>78</td>
<td>Cannon</td>
<td>6.40</td>
<td>7.9</td>
<td>1.5</td>
<td>↑Good ↑Bad</td>
<td>7.20</td>
<td>Mercer, PA</td>
<td>7.50</td>
</tr>
</tbody>
</table>

Increase the county’s food index score by 1.5.

**Source**: USDA Food Environment Atlas, Map the Meal Gap

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**Note**: All rankings and action statements presented in this report must be interpreted with caution due to various limitations of each measurement. Further information with regards to the strengths and limitations of each measurement may be found by clicking the hyperlink found in the description of each measurement.
<table>
<thead>
<tr>
<th>Health Factors</th>
<th>Physical Inactivity</th>
<th>Access to Exercise Opportunities</th>
<th>Excessive Drinking</th>
<th>Alcohol-Impaired Driving Deaths</th>
<th>Sexually Transmitted Infections</th>
<th>Teen Births</th>
<th>Uninsured</th>
<th>Primary Care Physicians</th>
<th>Dentists</th>
</tr>
</thead>
<tbody>
<tr>
<td>48</td>
<td>Shelby</td>
<td>36.30%</td>
<td>30.20%</td>
<td>6.10%</td>
<td>↑Bad ↓Good</td>
<td>23.00%</td>
<td>Mercer, PA</td>
<td>27.20%</td>
<td>11</td>
</tr>
</tbody>
</table>

Get 17 out of every 100 currently physically inactive adults to exercise during leisure time.

Consider how to remove barriers to access exercise locations to reach an additional 1.6 percent of the county’s population.

Get 11 out of every 100 adults in the county that currently drink to excess (binge and heavy drinkers) to stop drinking more than one (women) or two (men) drinks per day on average.

Reduce the number of alcohol related driving deaths by 6.12 percent.

Consider ways to educate 4 out of every 10 persons self-reporting to be involved in any sexual contact to commit to using safe sex practices to prevent the infection of Chlamydia.

For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 27 teen(s) from becoming pregnant.

Get 3 out of every 100 currently uninsured adults ages 18-64 to obtain health insurance.

To reach a population-to-provider ratio at or exceeding that of the 1st ranking county, 25 primary care providers would need to be recruited to the county. More importantly, if the county’s value is greater than 3,500, this county would be considered a Health Professional Shortage Area.

To reach a population-to-provider ratio at or exceeding that of the 1st ranking county, 16 dental care providers would need to be recruited to the county. More importantly, if the county’s value is greater than 5,000, this county would be considered a Health Professional Shortage Area.
### Health Factors

#### Mental Health Providers

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Henry</td>
<td>685:1</td>
<td>644:1</td>
<td>214</td>
<td>↑Bad ↓Good</td>
<td>490:1</td>
<td>Mercer, PA</td>
<td>653:1</td>
</tr>
</tbody>
</table>

To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 48 mental health providers would need to be recruited to the county. More importantly, if the county’s value is greater than 30,000, this county would be considered a Health Professional Shortage Area.

Source: CMS, National Provider Identification file

#### Preventable Hospital Stays

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>Anderson</td>
<td>64.23</td>
<td>50.27</td>
<td>13.96</td>
<td>↑Bad ↓Good</td>
<td>54.00</td>
<td>Mercer, PA</td>
<td>62.21</td>
</tr>
</tbody>
</table>

For every 100 Medicare enrollees, prevent 1 Medicare enrollees from being hospitalized for ambulatory-care sensitive conditions.

Source: Dartmouth Atlas of Health Care

#### Diabetic Monitoring

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sullivan</td>
<td>91.16</td>
<td>91.16</td>
<td>0.00</td>
<td>↑Good ↓Bad</td>
<td>63.00</td>
<td>Mercer, PA</td>
<td>83.08</td>
</tr>
</tbody>
</table>

No action required.

Source: Dartmouth Atlas of Health Care

#### Mammography Screening

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Louden</td>
<td>72.00</td>
<td>74.00</td>
<td>2.00</td>
<td>↑Good ↓Bad</td>
<td>63.00</td>
<td>Mercer, PA</td>
<td>63.00</td>
</tr>
</tbody>
</table>

For every 100 female Medicare enrollees, get 2 additional Medicare enrollees to receive their mammography screening.

Source: Dartmouth Atlas of Health Care

#### High School Graduation

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>56</td>
<td>Tipton</td>
<td>89.83</td>
<td>98.00</td>
<td>8.17</td>
<td>↑Good ↓Bad</td>
<td>82.00</td>
<td>Mercer, PA</td>
<td>89.14</td>
</tr>
</tbody>
</table>

For every 100 ninth graders, assist 9 additional ninth graders to graduate within four years.

Source: EDFacts

#### Some College

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Shelby</td>
<td>56.55</td>
<td>62.28</td>
<td>5.74</td>
<td>↑Good ↓Bad</td>
<td>64.00</td>
<td>Mercer, PA</td>
<td>56.00</td>
</tr>
</tbody>
</table>

For every 100 adults between 25-44 years of age, assist 6 additional adults to complete some coursework at the collegiate level.

Source: American Community Survey

#### Unemployment

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>Robertson</td>
<td>6.69</td>
<td>5.69</td>
<td>1.00</td>
<td>↑Bad ↓Good</td>
<td>6.20</td>
<td>Mercer, PA</td>
<td>5.94</td>
</tr>
</tbody>
</table>

For every 100 persons ages 16 years and older, help 1 persons successfully find employment.

Source: Bureau of Labor Statistics

#### Children in Poverty

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>46</td>
<td>Dickson</td>
<td>28.20</td>
<td>21.10</td>
<td>7.10</td>
<td>↑Bad ↓Good</td>
<td>22.00</td>
<td>Mercer, PA</td>
<td>25.00</td>
</tr>
</tbody>
</table>

For every 100 children (under 18 years) in poverty, help 26 children to find assistance to get out of poverty.

Source: Small Area Income and Poverty Estimates

#### Income Inequality

<table>
<thead>
<tr>
<th>Rank</th>
<th>10th Ranked</th>
<th>Value</th>
<th>10th Ranked</th>
<th>Difference</th>
<th>Shift in Value</th>
<th>US Average</th>
<th>Peer County</th>
<th>Peer Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>76</td>
<td>Houston</td>
<td>4.93</td>
<td>4.11</td>
<td>0.82</td>
<td>↑Bad ↓Good</td>
<td>4.70</td>
<td>Mercer, PA</td>
<td>4.20</td>
</tr>
</tbody>
</table>

To reach a household income ratio at or below that of the 10th ranking county reduce the gap between the 80th percentile and 20th percentile by 1 household(s).

Source: American Community Survey
<table>
<thead>
<tr>
<th>Social &amp; Economic Factors</th>
<th>Health Factors</th>
<th>Physical Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Children in Single-Parent Households</td>
<td>Social Associations</td>
<td>Violent Crime</td>
</tr>
<tr>
<td>Percentage of children that live in a household headed by single parent</td>
<td>Number of membership associations per 10,000 population</td>
<td>Number of reported violent crime offenses per 100,000 population</td>
</tr>
<tr>
<td>Rank</td>
<td>10th Ranked</td>
<td>10th Ranked</td>
</tr>
<tr>
<td>72</td>
<td>Lawrence</td>
<td>34.87%</td>
</tr>
<tr>
<td>19</td>
<td>Johnson</td>
<td>14.82%</td>
</tr>
<tr>
<td>78</td>
<td>Carter</td>
<td>53.20%</td>
</tr>
</tbody>
</table>

For every 100 single parent households in the county, investigate ways to encourage 33 households to be a multi-parent household.

For every 100 people in the county, increase the number of membership associations by 1.

For every 100 persons in the county, prevent 62 people from committing a violent crime.

Source: American Community Survey

Social Associations

Year(s): 2010-2014

Dickinson, MI 29.79%

Air Pollution - Particulate Matter

Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)

Rank | 1st Ranked | 1st Ranked | Difference | Shift in Value | US Average | Peer County | Peer Value |
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Shelby</td>
<td>13.04%</td>
<td>12.83%</td>
<td>0.21</td>
<td>↑Bad ↓Good</td>
<td>11.40</td>
<td>Mercer, PA</td>
</tr>
</tbody>
</table>

Reduce the average daily measure of fine particulate matter by 0.21 micrograms per cubic meter (PM2.5).

Source: CDC WONDER Environmental data Year(s): 2011

Dickinson, MI 79.37%

Drinking Water Violations

Percentage of population potentially exposed to water exceeding a violation limit during the past year

Rank | 1st Ranked | 1st Ranked | Difference | Shift in Value | US Average | Peer County | Peer Value |
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>No Rank</td>
<td>NA</td>
<td>Yes</td>
<td>No</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>Mercer, PA</td>
</tr>
</tbody>
</table>

At least one community water system in the county receive a violation during the specific timeframe.

Source: Safe Drinking Water Information System Year(s): FY2013-14

Dickinson, MI No

Severe Housing Problems

Percentage of households, with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities

Rank | 10th Ranked | 10th Ranked | Difference | Shift in Value | US Average | Peer County | Peer Value |
<table>
<thead>
<tr>
<th></th>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Unicoi</td>
<td>11.79%</td>
<td>11.70%</td>
<td>0.09%</td>
<td>↑Bad ↓Good</td>
<td>19.00%</td>
<td>Mercer, PA</td>
</tr>
</tbody>
</table>

For every 100 persons in the county experiencing housing problems, help 1 person(s) to find housing assistance.

Source: Comprehensive Housing Affordability Strategy (CHAS) data Year(s): 2008-2012

Dickinson, MI 10.38%

Driving Alone to Work

Percentage of the workforce that drives alone to work

Rank | 10th Ranked | 10th Ranked | Difference | Shift in Value | US Average | Peer County | Peer Value |
<table>
<thead>
<tr>
<th></th>
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<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>76</td>
<td>Grundy</td>
<td>86.93%</td>
<td>80.27%</td>
<td>6.67%</td>
<td>↑Bad ↓Good</td>
<td>76.00%</td>
<td>Mercer, PA</td>
</tr>
</tbody>
</table>

For every 100 persons that currently drive alone to work, convince 8 to carpool or take mass-transportation.

Source: American Community Survey Year(s): 2010-2014

Dickinson, MI 84.88%

Long Commute - Driving Alone

Among workers who commute in their car alone, the percentage that commute more than 30 minutes

Rank | 5th Ranked | 5th Ranked | Difference | Shift in Value | US Average | Peer County | Peer Value |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Hamblen</td>
<td>24.00%</td>
<td>22.00%</td>
<td>2.00%</td>
<td>↑Bad ↓Good</td>
<td>31.00%</td>
<td>Mercer, PA</td>
</tr>
</tbody>
</table>

For every 100 persons that currently drive more than 30 minutes alone to work, convince 9 to carpool or take mass-transportation.

Source: American Community Survey Year(s): 2010-2014

Dickinson, MI 10.70%