Poverty and Health in Wisconsin

Evidence-Based Health Policy Program

October 9, 2013

Patrick L. Remington, MD, MPH
FIGURE S-1 Health outcome logic model.
How do you measure “long and healthy lives?”

What factors contribute to the health?

How can we improve the health of communities?
What is the “Population Health Quality” in Wisconsin?

1. How does Wisconsin compare to other states?
2. What are the trends in overall health in Wisconsin?
3. Are there disparities (by race, education, or county) within Wisconsin?
# Health Factor Ranking

<table>
<thead>
<tr>
<th></th>
<th>Rate</th>
<th>Rank</th>
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<tbody>
<tr>
<td>High School Graduation</td>
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<tr>
<td>Lack of Health Insurance</td>
<td>9.9</td>
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<tr>
<td>Occupational Fatalities</td>
<td>3.3</td>
<td>10</td>
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<tr>
<td>Violent Crime</td>
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<td>11</td>
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<tr>
<td>Immunization Coverage</td>
<td>92.3</td>
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<tr>
<td>Preventable Hospitalizations</td>
<td>55.3</td>
<td>13</td>
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<tr>
<td>Low Birthweight</td>
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<td>14</td>
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<tr>
<td>Primary Care Physicians</td>
<td>121.3</td>
<td>18</td>
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<tr>
<td>Smoking</td>
<td>20.9</td>
<td>22</td>
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<tr>
<td>Obesity</td>
<td>27.7</td>
<td>24</td>
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<tr>
<td>Children in Poverty</td>
<td>21.4</td>
<td>27</td>
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<tr>
<td>Air Pollution</td>
<td>10</td>
<td>31</td>
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<tr>
<td>Binge Drinking</td>
<td>24.3</td>
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<tr>
<td>Public Health Funding</td>
<td>$39</td>
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</table>

Source: www.americashealthranking.org
Percent of children (0 - 17) in poverty

Worst

MS 35%

Best

NH 10%

US 20%

MN 15%

WI
What is the “Population Health Quality” in Wisconsin?

1. How does Wisconsin compare to other states? – Better than average overall, but it depends on the measure

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3. Are there disparities (by race, education, or county) within Wisconsin?
Wisconsin Infant Death Rates
(Ages <1, rates per 1,000 population)
Wisconsin Child and Young Adult Death Rates
(Ages 1-24, rates per 100,000 population)

- Whites (36)
- Hispanic/Latino (36)
- Non-urban (36)
- Asians (35)
- Suburban (34)
- Milwaukee County (45)
- Males (54)
- Rural (56)
- African Americans (68)
- Native Americans (82)

- Best state Massachusetts (29)
- Wisconsin (39)
- Worst state Louisiana (72)
Wisconsin Older Adult Death Rates
(Ages 65+, rates per 100,000 population)
Find Health Rankings for Your State and County

Look up your county’s Rankings, learn about our methods, and download the data you need.

Learn about the Data & Methods
Find out what is measured and how the Rankings add up.

Download the Rankings Data
You can download the Rankings data for your state or the entire nation.

Choose a state to begin

Explore Rankings Data
<table>
<thead>
<tr>
<th>Rank</th>
<th>Health Outcomes</th>
<th>Rank</th>
<th>Health Factors</th>
</tr>
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<td>Ozaukee</td>
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<td>Ozaukee</td>
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<td>Kewaunee</td>
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<td>Waukesha</td>
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<td>3</td>
<td>St. Croix</td>
<td>3</td>
<td>Dane</td>
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<tr>
<td>4</td>
<td>Pierce</td>
<td>4</td>
<td>La Crosse</td>
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<tr>
<td>5</td>
<td>Door</td>
<td>5</td>
<td>Washington</td>
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<td>68</td>
<td>Forest</td>
<td>68</td>
<td>Juneau</td>
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<tr>
<td>69</td>
<td>Adams</td>
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<td>Clark</td>
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<tr>
<td>70</td>
<td>Marquette</td>
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<td>Adams</td>
</tr>
<tr>
<td>71</td>
<td>Milwaukee</td>
<td>71</td>
<td>Milwaukee</td>
</tr>
<tr>
<td>72</td>
<td>Menominee</td>
<td>72</td>
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# Menominee (MN)

## County Snapshot

<table>
<thead>
<tr>
<th>Menominee County</th>
<th>Error Margin</th>
<th>Wisconsin</th>
<th>National Benchmark*</th>
<th>Trend</th>
<th>Rank (of 72)</th>
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<tr>
<td></td>
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## Health Outcomes

### Mortality

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</table>

## Health Factors

### Health Behaviors

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### Clinical Care

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<td></td>
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### Social & Economic Factors

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### Physical Environment

<table>
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<th>National Benchmark*</th>
<th>Trend</th>
<th>Rank (of 72)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily fine particulate matter</td>
<td>9.5</td>
<td>9.3-9.7</td>
<td>10.1</td>
<td>8.8</td>
<td></td>
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<tr>
<td>Drinking water safety</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7%</td>
<td>0%</td>
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<tr>
<td>Access to recreational facilities</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Limited access to healthy foods**</td>
<td>18%</td>
<td></td>
<td></td>
<td></td>
<td>5%</td>
<td>1%</td>
</tr>
<tr>
<td>Fast food restaurants</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>41%</td>
<td>27%</td>
</tr>
</tbody>
</table>
Children in poverty

Description
Percent of children under age 18 in poverty

Ranking Methodology

Summary Measure: Health Factors - Social & Economic Factors (Income)
Weight in Health Factors: 10%
Years of Data Used: 2011

Summary Information

Range in Wisconsin (Min-Max): 6-48%
Overall in Wisconsin: 18%
National Benchmark: 14% (90th percentile)
Children in Poverty and Health Outcome Ranking, Wisconsin County Health Rankings, 2013

County

Percent of Children Living in Poverty
What is the “Population Health Quality” in Wisconsin?

1. How does Wisconsin compare to other states? – Better than average overall, but in depends on measure

2. What are the trends in overall health in Wisconsin? – Longer lives, but more disease and higher risk

3. Are there disparities (by race, education, or county) within Wisconsin? – Yes. Significant disparities exist in health outcomes and health factors
The Juneau County Story
<table>
<thead>
<tr>
<th>RANK</th>
<th>HEALTH OUTCOMES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Florence</td>
</tr>
<tr>
<td>2</td>
<td>Waukesha</td>
</tr>
<tr>
<td>3</td>
<td>Ozaukee</td>
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<tr>
<td>4</td>
<td>Eau Claire</td>
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<tr>
<td>5</td>
<td>Portage</td>
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<td>72</td>
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County is state’s unhealthiest

Researcher: Results of new study are a call to action for community

By Tim Damos
Star-Times

The results of a recent study that ranks Juneau County last in the state in terms of the general health of its citizens should be a call to action for community members, one researcher says.

Peter Vila, a graduate student and researcher with the UW Population Health Institute, which works to improve public health and health policy in Wisconsin, said many of Juneau County’s poor health rankings are alarming.

Each year (since 2003), Vila’s organization releases the Wisconsin County Health Rankings, a report that rates counties in two categories:

- **Health outcomes**: The mortality and general health of citizens. (Juneau County ranks last overall.)
- **Health determinants**: The access to health care, health behaviors, socioeconomic factors and physical environment of citizens. (Juneau County ranks 68th of 72 counties.)

The study relies on surveys done by the UW Population Health Institute, as well as statistics compiled most of them carry a five percent margin of error—used to rank counties in terms of health outcomes.
Mobilizing…

• After the release of this article in the Juneau County Star Times, a meeting was held in the Juneau County courtroom.

• Leaders agreed that the Rankings reflected the actual health challenges in their county
• They began discussing ways to improve Juneau County’s health
A broad coalition of partners
- Requested and won a grant from a statewide foundation
- Worked on a community health needs assessment
- Looked for evidence on what works to improve population health
Toward Community Health

Juneau County now has a plan to address:
• Increasing health care access
• Improving health literacy
• Teaching parenting skills
“...I feel it was media that did public health a big favor and was a key ingredient to making the people take notice.”

Barb Thies, Health Officer
Juneau County
Summary

1. Although overall health is better than average, it ranks poorly for some factors.
2. We’re living longer—but not better—with increasing rates of children living in poverty.
3. Significant disparities exist in health outcomes, especially by race and economic factors.
Toward Quality Measures for Population Health and the Leading Health Indicators

EFFECTIVE INTERVENTIONS

- Clean Indoor Air Policies
- School Food Policies
- Reduce alcohol outlet density
- Partner referral services
- Medical homes
- Payment Reform
- Early childhood programs
- Work force development
- Family / medical leave
- Nurse home visiting programs
- Zoning for mixed-use development
- Reducing bus emissions
- Pedestrian/cycling in master plans

HEALTHY CONDITIONS

- Tobacco use
- Diet & exercise
- Alcohol use
- Sexual activity
- Access to care
- Quality of care
- Education
- Employment
- Income
- Family & social support
- Community safety
- Environmental quality
- Built environment

HEALTHY OUTCOMES

- HEALTH BEHAVIORS (30%)
- CLINICAL CARE (20%)
- SOCIAL & ECON. FACTORS (40%)
- PHYSICAL ENV. (10%)

MORTALITY (LENGTH OF LIFE): 50%

MORBIDITY (QUALITY OF LIFE): 50%

HEALTH BEHAVIORS:

- Tobacco use
- Diet & exercise
- Alcohol use
- Sexual activity

CLINICAL CARE:

- Access to care
- Quality of care
- Education
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SOCIAL & ECON. FACTORS:

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PHYSICAL ENV.

- Built environment

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Thank You