Commissioned by:
Aurora Health Care
Children’s Hospital of Wisconsin
United Hospital Systems

In Partnership with:
Center for Urban Population Health
Kenosha County Public Health Department
Overview

• Objectives
  • Gather data on behavioral and lifestyle habits of the adult population and household-level data.
  • Gather data on the prevalence of risk factors and disease conditions of the adult population.
  • Compare health data of residents to previous health studies.
  • Compare health data to national and state measurements.
Methodology

- 18 minute telephone survey of area residents
- 400 completions from July 5 through September 1, 2016
- Two-fold sampling
  - 1) RDD landline sample of listed & unlisted #s (n=300)
    - Respondents randomly selected based on number of adults in household
    - Weighting based on number of adults and number of residential phone numbers in HH
  - 2) Cell phone only sample (n=100)
    - Adult answering the phone designated as the respondent
- All data post-stratified by age and gender of adult residents as of 2010 Census proportions.
- Margin of error: ±5%
Demographics
### Respondent Demographics

<table>
<thead>
<tr>
<th></th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gender</strong></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>49%</td>
</tr>
<tr>
<td>Female</td>
<td>51%</td>
</tr>
<tr>
<td><strong>Household Income</strong></td>
<td></td>
</tr>
<tr>
<td>Bottom 40 Percent Bracket</td>
<td>39%</td>
</tr>
<tr>
<td>Middle 20 Percent Bracket</td>
<td>15%</td>
</tr>
<tr>
<td>Top 40 Percent Bracket</td>
<td>38%</td>
</tr>
<tr>
<td>Not Sure/No Answer</td>
<td>10%</td>
</tr>
</tbody>
</table>
### Respondent Demographics (cont.)

<table>
<thead>
<tr>
<th>Age</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 to 34</td>
<td>30%</td>
</tr>
<tr>
<td>35 to 44</td>
<td>19%</td>
</tr>
<tr>
<td>45 to 54</td>
<td>21%</td>
</tr>
<tr>
<td>55 to 64</td>
<td>15%</td>
</tr>
<tr>
<td>65 and Older</td>
<td>15%</td>
</tr>
</tbody>
</table>
Respondent Demographics (cont.)

<table>
<thead>
<tr>
<th></th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Education</strong></td>
<td></td>
</tr>
<tr>
<td>High school or less</td>
<td>29%</td>
</tr>
<tr>
<td>Some post high school</td>
<td>32%</td>
</tr>
<tr>
<td>College graduate</td>
<td>38%</td>
</tr>
<tr>
<td><strong>Marital Status</strong></td>
<td></td>
</tr>
<tr>
<td>Married</td>
<td>54%</td>
</tr>
</tbody>
</table>
Health Care Coverage
Health Care Coverage

- Personally not covered currently (18+) 2014
  - WI: 9%
  - US: 13%
  - HP2020 Goal: 0%

- Personally not covered currently (18 to 64 years old) 2014
  - WI: 10%
  - US: 15%
Unmet Health Care in Past Year

- HP2020 Goal, Household Delay or Unable to Obtain in Past Year:
  - Prescription Medicines: 3%
  - Medical Care: 4%
  - Dental Care: 5%
Source for Health Information

- Doctor
- Internet
- Myself/Family Member in Health Field

2011:
- Doctor: 40%
- Internet: 35%
- Myself/Family Member in Health Field: 5%

2014:
- Doctor: 47%
- Internet: 25%
- Myself/Family Member in Health Field: 7%

2016:
- Doctor: 47%
- Internet: 29%
- Myself/Family Member in Health Field: 11%
General Health
Rate Own Health

2014
- Excellent or Very Good
  - WI: 54%
  - US: 53%
- Fair or Poor
  - WI: 15%
  - US: 16%
Routine Procedures

- Routine checkup 2013
  - WI: 82%
  - US: 81%

- Cholesterol test 2013
  - WI: 77%
  - US: 76%
  - HP2020 Goal: 82%

- Dental checkup 2012
  - WI: 72%
  - US: 67%
  - HP2020 Goal: 49%
Vaccinations

- Pneumonia vaccination (65+) 2014
  - WI: 72%
  - US: 70%
  - HP2020 Goal: 90%

- Flu vaccination (65+) 2014
  - WI: 54%
  - US: 61%

- Flu vaccination (18+)
  - HP2020 Goal: 70%

*In the 2004/2005 flu season, for a time there was a limited supply of flu vaccinations. During that period, it was only offered to persons in high-risk categories.
Mobility Past 12 Months [60 or Older]

- 2014: 11%
- 2016: 13%

The line chart shows a slight increase in mobility from 11% in 2014 to 13% in 2016.
Health Conditions Past 3 Years (2016)

- High Blood Pressure: 26%
- High Blood Cholesterol: 18%
- Mental Health Condition: 18%
- Asthma (Current): 13%
- Diabetes: 8%
- Heart Disease/Condition: 6%
Health Conditions Past 3 Years

- High Blood Pressure
- High Blood Cholesterol
- Heart Disease/Condition
- Mental Health Condition
- Diabetes
- Asthma (Current)


- High Blood Pressure: 25%, 24%, 23%, 27%, 28%, 26%, 25%, 18%
- High Blood Cholesterol: 10%, 9%, 12%, 13%, 14%, 15%, 12%, 13%
- Heart Disease/Condition: 7%, 12%, 8%, 9%, 8%, 9%, 8%, 6%
- Mental Health Condition: 20%, 20%, 20%, 20%, 20%, 20%, 20%, 20%
- Diabetes: 40%, 40%, 40%, 40%, 40%, 40%, 40%, 40%
- Asthma (Current): 60%, 60%, 60%, 60%, 60%, 60%, 60%, 60%
## Condition Controlled Through Medication, Exercise, Therapy or Lifestyle Changes

<table>
<thead>
<tr>
<th>Condition</th>
<th>2011</th>
<th>2014</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Blood Pressure</td>
<td>90%</td>
<td>91%</td>
<td>95%</td>
</tr>
<tr>
<td>High Blood Cholesterol</td>
<td>78%</td>
<td>90%</td>
<td>83%</td>
</tr>
<tr>
<td>Mental Health Condition</td>
<td>83%</td>
<td>89%</td>
<td>86%</td>
</tr>
<tr>
<td>Asthma (Current)</td>
<td>85%</td>
<td>91%</td>
<td>94%</td>
</tr>
<tr>
<td>Diabetes</td>
<td>92%</td>
<td>89%</td>
<td>94%</td>
</tr>
<tr>
<td>Heart Disease/Condition</td>
<td>90%</td>
<td>94%</td>
<td>84%</td>
</tr>
</tbody>
</table>
Exercise and Nutrition
Body Weight

- **Overweight (BMI 25.0+) 2014**
  - WI: 67%
  - US: 65%
- **HP2020 Goal:**
  - 34% Healthy weight
  - 66% Unhealthy weight
- **Obese (BMI 30.0+) 2014**
  - WI: 31%
  - US: 30%
- **HP2020 Goal:** 31%
Physical Activity\textsuperscript{1}

- **Recommended Moderate or Vigorous Activity 2009**
  - WI: 53%
  - US: 51%

- **Moderate Activity 2005**
  - WI: 42%
  - US: 33%

- **Vigorous Activity 2009**
  - WI: 31%
  - US: 29%

\textsuperscript{1}Moderate activity: 5 times a week for 30 or more minutes/time

Vigorous activity: 3 times a week for 20 or more minutes/time
Nutrition and Food Insecurity

- **Fruit (Two or More Servings/Day)**
- **Vegetables (Three or More Servings/Day)**
- **Fruit or Vegetables (Five or More Servings/Day)**
- **Household Went Hungry (Past Year)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Fruit</th>
<th>Vegetables</th>
<th>Fruit or Vegetables</th>
<th>Household Went Hungry</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>64%</td>
<td>25%</td>
<td>32%</td>
<td>0%</td>
</tr>
<tr>
<td>2008</td>
<td>59%</td>
<td>26%</td>
<td>32%</td>
<td>20%</td>
</tr>
<tr>
<td>2011</td>
<td>56%</td>
<td>29%</td>
<td>32%</td>
<td>40%</td>
</tr>
<tr>
<td>2014</td>
<td>58%</td>
<td>29%</td>
<td>35%</td>
<td>60%</td>
</tr>
<tr>
<td>2016</td>
<td>65%</td>
<td>26%</td>
<td>38%</td>
<td>80%</td>
</tr>
</tbody>
</table>

- 2005-2016
Women’s Health

- Pap Smear (18+) 2014
  - WI: 77%
  - US: 75%
  - HP2020 Goal (21-65 years old): 93%

- Mammogram (50+) 2014
  - WI: 77%
  - US: 76%

*Recommended Cervical Cancer Screening: 18 to 29 years old--pap smear within past three years; 30 to 65 years old--pap smear and HPV test within past five years or pap smear only within past three years.*
Colorectal Cancer (50 and Older)

- Screening in Recommended Time Frame:
  - HP2020 Goal: 71%

*Not asked in 2008
Safety
Personal Safety Issues in Past Year

- Someone made you afraid for your personal safety
- Someone pushed, kicked, slapped or hit you
- At least 1 of the 2 issues

<table>
<thead>
<tr>
<th>Year</th>
<th>Issue 1</th>
<th>Issue 2</th>
<th>Both</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>6%</td>
<td>4%</td>
<td>2%</td>
</tr>
<tr>
<td>2008</td>
<td>5%</td>
<td>2%</td>
<td>4%</td>
</tr>
<tr>
<td>2011</td>
<td>7%</td>
<td>5%</td>
<td>3%</td>
</tr>
<tr>
<td>2014</td>
<td>8%</td>
<td>5%</td>
<td>5%</td>
</tr>
<tr>
<td>2016</td>
<td>5%</td>
<td>2%</td>
<td>2%</td>
</tr>
</tbody>
</table>
Tobacco Use
Current Tobacco Cigarette Smoker in Past Month

- Current Smokers 2014
  - WI: 17%
  - US: 18%
  - HP2020 Goal: 12%
Smoking Cessation in Past 12 Months (Current Tobacco Cigarette Smokers)

- Tried to Quit 2005
  - WI: 49%
  - US: 56%
  - HP2020 Goal: 80%

![Graph showing smoking cessation rates from 2005 to 2016](image)
Exposure to Cigarette Smoke

Smoking Prohibited at Home 2003
- WI: 75%

Nonsmokers Exposed to Second-Hand Smoke
- HP2020 Goal: 34%
Other Tobacco Products in Past Month

- Smokeless Tobacco
- Electronic Cigarettes
- Cigars, Cigarillos or Little Cigars

2014:
- Smokeless Tobacco: 9%
- Electronic Cigarettes: 7%
- Cigars, Cigarillos or Little Cigars: 5%

2016:
- Smokeless Tobacco: 3%
- Electronic Cigarettes: 2%
- Cigars, Cigarillos or Little Cigars: <1%
Alcohol Use
Alcohol Use in Past Month

- Binge Drinking 2014 [Male 5+; Female 4+]
  - WI: 22%
  - US: 16%
  - HP2020 Goal: 24% [Male & Female 5+]

*In 2011, 2014 and 2016, “4 or more drinks on an occasion” for females and “5 or more drinks on an occasion” for males was used; in 2005 and 2008, “5 or more drinks on an occasion” was used for both males and females.
Household Problems
### Times of Distress in Past Three Years (2016)

<table>
<thead>
<tr>
<th>Description</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Household Looked for Community Resource Support During Time of Distress</td>
<td>23%</td>
</tr>
<tr>
<td><em>(Economic, Medical, Family Issue or Other)</em></td>
<td></td>
</tr>
<tr>
<td>Degree of Support Felt <em>(n=93)</em></td>
<td></td>
</tr>
<tr>
<td>Extremely Supported or Very Supported</td>
<td>40%</td>
</tr>
<tr>
<td>Somewhat Supported, Slightly Supported or Not At All Supported</td>
<td>60%</td>
</tr>
</tbody>
</table>
Mental Health Status
Mental Health Status

- Felt sad, blue, depressed always/nearly always (past 30 days)
- Find meaning & purpose in daily life seldom/never
- Considered suicide (past year)
Children In Household
Child's Personal Doctor [Child 17 or Younger]

- **Have a Personal Doctor/Nurse**
  - 2011: 95%
  - 2014: 91%
  - 2016: 98%

- **Preventive Care in Past Year (Of Children With Personal Doctor/Nurse)**
  - 2011: 89%
  - 2014: 89%
  - 2016: 85%
Child’s Unmet Care in Past 12 Months [17 or Younger]

- Dental Care Need
- Medical Care Need
- Specialist Care Need

2011: 6% (Dental), 5% (Medical), 2% (Specialist)
2014: 6% (Dental), 4% (Medical), 2% (Specialist)
2016: 7% (Dental), 4% (Medical), 4% (Specialist)
Child Currently Has Asthma [17 or Younger]

- 2011: 7%
- 2014: 14%
- 2016: 21%
Child is Seldom/Never Safe in Community [17 or Younger]

- 2011: 2%
- 2014: 2%
- 2016: 0%
Child’s Nutrition and Exercise [5 to 17 Years Old]

- **Fruit (2 or More Servings/Day)**
- **Vegetables (3 or More Servings/Day)**
- **Fruit/Vegetables (5 or More Servings/Day)**
- **Physically Active (60 Min./5x/Week)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Fruit</th>
<th>Vegetables</th>
<th>Fruit/Vegetables</th>
<th>Physically Active</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>76%</td>
<td>64%</td>
<td>45%</td>
<td>41%</td>
</tr>
<tr>
<td>2014</td>
<td>67%</td>
<td>66%</td>
<td>46%</td>
<td>19%</td>
</tr>
<tr>
<td>2016</td>
<td>72%</td>
<td>47%</td>
<td>31%</td>
<td>25%</td>
</tr>
</tbody>
</table>
Child Always/Nearly Always Felt Unhappy, Sad or Depressed in Past 6 Months [8 to 17 Years Old]

- 2011: 1%
- 2014: 9%
- 2016: 8%
Child Experienced Bullying in Past 12 Months [8 to 17 Years Old]

- Bullied Overall
- Verbally Bullied
- Physically Bullied
- Cyber Bullied

Year: 2011
- Bullied Overall: 32%
- Verbally Bullied: 29%
- Physically Bullied: 7%
- Cyber Bullied: 1%

Year: 2014
- Bullied Overall: 24%
- Verbally Bullied: 24%
- Physically Bullied: 3%
- Cyber Bullied: 0%

Year: 2016
- Bullied Overall: 19%
- Verbally Bullied: 9%
- Physically Bullied: 9%
- Cyber Bullied: 0%
County Health Issues
Top County Health Issues
Up to 3 Open-Ended Responses Accepted
[Part 1] (2016)

- Illegal Drug Use: 27%
- Access to Health Care: 23%
- Overweight or Obesity: 18%
- Alcohol Use or Abuse: 17%
- Chronic Diseases: 15%
- Mental Health or Depression: 10%
- Cancer: 9%
- Violence or Crime: 8%
Top County Health Issues
Up to 3 Open-Ended Responses Accepted
[Part 2] (2016)

- Prescription or OTC Drug Abuse: 7%
- Access to Affordable Healthy Food: 7%
- Tobacco Use: 6%
- Affordable Health Care: 6%
- Infectious Diseases: 6%
- Lack of Physical Activity: 5%
- Environmental Issues: 5%
Select Key Findings of Need

- 21% Delayed/Did Not Seek Medical Care Due to Cost (past year)
- 15% HH Member Not Taken Prescription Due to Cost (past year) vs. 3% HP2020
- 15% Unmet Medical Care vs. 4% HP2020
- 16% Unmet Dental Care vs. 5% HP2020
- 44% Flu Vaccination (past year, 18+) vs. 70% HP2020
- 75% Cholesterol Test (4 years ago or less) vs. 82% HP2020
- 26% High Blood Pressure
- 68% At Least Overweight (BMI 25.0+)
- 33% Obese (BMI 30.0+) vs. 31% HP2020
- 23% Current Smokers vs. 12% HP2020
- 55% Smokers Tried to Quit Smoking (past year) vs. 80% HP2020
- 30% Binge Drinkers (past month, 4+ F & 5+ M) vs. 24% HP2020 (past month, 5+)
- 21% HH Looked for Community Resource Support (past 3 years)
- 19% Children 8 to 17 Years Old Bullied Overall (past year)
Report Available at...

- https://ahc.aurorahealthcare.org/aboutus/community-benefits
- www.chw.org
- www.co.kenosha.wi.us
Next Steps