Commissioned by:
Aurora Health Care
Children’s Hospital of Wisconsin
Columbia St. Mary’s Health System

In Partnership with:
Center for Urban Population Health
Ozaukee 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 June 9, 2014 through August 13, 2014
• 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
<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>48%</td>
</tr>
<tr>
<td>Female</td>
<td>52%</td>
</tr>
<tr>
<td><strong>Household Income</strong></td>
<td></td>
</tr>
<tr>
<td>Bottom 40 Percent Bracket</td>
<td>35%</td>
</tr>
<tr>
<td>Middle 20 Percent Bracket</td>
<td>16%</td>
</tr>
<tr>
<td>Top 40 Percent Bracket</td>
<td>39%</td>
</tr>
<tr>
<td>Not sure/No answer</td>
<td>11%</td>
</tr>
<tr>
<td>Age</td>
<td>Percent</td>
</tr>
<tr>
<td>-----------------</td>
<td>---------</td>
</tr>
<tr>
<td>18 to 34</td>
<td>22%</td>
</tr>
<tr>
<td>35 to 44</td>
<td>17%</td>
</tr>
<tr>
<td>45 to 54</td>
<td>23%</td>
</tr>
<tr>
<td>55 to 64</td>
<td>18%</td>
</tr>
<tr>
<td>65 and older</td>
<td>20%</td>
</tr>
<tr>
<td>Education</td>
<td>Percent</td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>High school or less</td>
<td>24%</td>
</tr>
<tr>
<td>Some post high school</td>
<td>29%</td>
</tr>
<tr>
<td>College graduate</td>
<td>47%</td>
</tr>
<tr>
<td>Marital Status</td>
<td></td>
</tr>
<tr>
<td>Married</td>
<td>57%</td>
</tr>
</tbody>
</table>
Health Care Coverage

- Personally not covered currently (18+) 2012
  - WI: 12%
  - US: 17%
  - HP2020 Goal: 0%

- Personally not covered currently (18 to 64 years old) 2012
  - WI: 15%
  - US: 20%
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%

![Graph showing percentages over years for different types of unmet health care needs.](image-url)
Health Services

*“living will or health care power of attorney” added in 2005*
General Health
Rate Own Health

2012
- Excellent or Very Good
  - WI: 54%
  - US: 52%
- Fair or Poor
  - WI: 14%
  - US: 17%
Routine Procedures

- Routine checkup 2000
  - WI: 79%
  - US: 84%

- Cholesterol test 2010
  - WI: 77%
  - US: 77%
  - HP2020 Goal: 82%

- Dental checkup 2010
  - WI: 75%
  - US: 70%
  - HP2020 Goal: 49%
Vaccinations

- **Pneumonia vaccination (65+) 2012**
  - WI: 70%
  - US: 69%
  - HP2020 Goal: 90%

- **Flu vaccination (65+) 2012**
  - WI: 51%
  - US: 60%

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

*In 2008, “nasal spray” was added.*
Health Conditions Past 3 Years (2014)

- High Blood Pressure: 32%
- High Blood Cholesterol: 25%
- Mental Health Condition: 15%
- Asthma (Current): 11%
- Diabetes: 7%
- Heart Disease/Condition: 7%
Health Conditions Past 3 Years

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

2003: 21% (High Blood Pressure), 7% (Diabetes)
2005: 23% (High Blood Pressure), 6% (Diabetes)
2008: 22% (High Blood Pressure), 11% (Diabetes)
2011: 25% (High Blood Pressure), 13% (Diabetes)
2014: 32% (High Blood Pressure), 15% (Diabetes)

Note: The percentages for other conditions are as follows:
- High Blood Cholesterol: 7% (2003), 6% (2008), 5% (2011), 5% (2014)
- Heart Disease/Condition: 9% (2003), 5% (2008), 5% (2011), 5% (2014)
- Diabetes: 6% (2003), 6% (2008), 6% (2011), 6% (2014)
- Asthma (Current): 7% (2003), 7% (2008), 7% (2011), 7% (2014)
<table>
<thead>
<tr>
<th>Condition</th>
<th>2011</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Blood Pressure</td>
<td>96%</td>
<td>91%</td>
</tr>
<tr>
<td>High Blood Cholesterol</td>
<td>88%</td>
<td>92%</td>
</tr>
<tr>
<td>Mental Health Condition</td>
<td>82%</td>
<td>97%</td>
</tr>
<tr>
<td>Heart Disease/Condition</td>
<td>100%</td>
<td>96%</td>
</tr>
<tr>
<td>Diabetes</td>
<td>95%</td>
<td>87%</td>
</tr>
<tr>
<td>Asthma</td>
<td>95%</td>
<td>86%</td>
</tr>
</tbody>
</table>
Exercise and Nutrition
Body Weight

- Overweight 2012
  - WI: 67%
  - US: 64%
- HP2020 Goal:
  - 34% Healthy weight
  - 66% Unhealthy weight
Physical Activity\(^1\)

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

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

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

\(^1\)Moderate activity: 5 times a week for 30 or more minutes/time

\(^1\)Vigorous activity: 3 times a week for 20 or more minutes/time
Nutrition on an Average Day

- **Fruit (Two or more servings):**
  - 2003: 72%
  - 2005: 65%
  - 2008: 71%
  - 2011: 60%
  - 2014: 64%

- **Vegetable (Three or more servings):**
  - 2003: 28%
  - 2005: 30%
  - 2008: 32%
  - 2011: 29%
  - 2014: 33%
Early Detection and Prevention of Cancer
Women’s Health

• Pap Smear (18+) 2010
  • WI: 85%
  • US: 81%
  • HP2020 Goal (21-65 years old): 93%

• Mammogram (50+) 2012
  • WI: 82%
  • US: 77%

*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 (Past Year)

- Someone made you afraid for your personal safety
- Someone pushed, kicked, slapped or hit you
- At least 1 of the 2 issues
Tobacco Use
Current Tobacco Cigarette Smoker (Past 30 Days)

- Current Smokers 2012
  - WI: 20%
  - US: 20%
  - HP2020 Goal: 12%
Smoking Cessation in Past 12 Months (Current Tobacco Cigarette Smokers)

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

Smoking Prohibited at Home 2003
- WI: 75%

Nonsmokers Exposed to Second-Hand Smoke
- HP2020 Goal: 34%
Other Tobacco Products (Past 30 Days)

- Electronic Cigarettes: 11%
- Cigars, Cigarillos or Little Cigars: 6%
- Smokeless Tobacco: 5%
Alcohol Use
Alcohol Use in Past Month

- Binge Drinking 2012 [Male 5+; Female 4+]
  - WI: 25%
  - US: 17%
  - HP2020 Goal: 24% [Male & Female 5+]

*In 2003, 2011 and 2014, “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
Household Problems In Past Year

- Alcohol
- Marijuana
- Cocaine, Heroin or Other Street Drugs
- Misuse of Prescription Drugs or Over-the-Counter Drugs
- Gambling
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
Have a Personal Doctor/Nurse

Preventive Care in Past Month (Of Children With Personal Doctor/Nurse)

- 2011: 92% (90%)
- 2014: 89% (88%)

Percentage of children with personal doctor/nurse who received preventive care in the past month.
Child’s Unmet Care in Past 12 Months [17 or Younger]
Child Currently Has Asthma [17 or Younger]

- 2011: 5%
- 2014: 9%
Child is Seldom/Never Safe in Community [17 or Younger]
Child’s Nutrition and Exercise [5 to 17 Years Old]

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

- 2011:
  - Fruit: 74%
  - Vegetables: 27%
  - Physically Active: 52%

- 2014:
  - Fruit: 79%
  - Vegetables: 41%
  - Physically Active: 73%
Child Always/Nearly Always Felt Unhappy, Sad or Depressed in Past 6 Months [8 to 17 Years Old]

![Graph showing percentage of children feeling unhappy, sad, or depressed from 2011 to 2014. The graph shows a negligible increase from 0% in 2011 to 1% in 2014.](image-url)
Child Experienced Bullying in Past 12 Months [8 to 17 Years Old]

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

Graph showing the percentage of children experiencing bullying over time from 2011 to 2014:

- Bullied Overall: 8% in 2011, 18% in 2014
- Verbally Bullied: 3% in 2011, 3% in 2014
- Physically Bullied: 2% in 2011, 2% in 2014
- Cyber Bullied: 0% in 2011, 0% in 2014
Top County Health Issues [Part 1]
Top County Health Issues [Part 2]

- **Infectious Diseases**
- **Violence**
- **Teen Pregnancy**
- **Infant Mortality**
- **Lead Poisoning**

Diagram showing trends from 2011 to 2014:
- **2011**
  - Infectious Diseases: 23%
  - Violence: 10%
  - Infant Mortality: 1%
  - Lead Poisoning: 1%
- **2014**
  - Infectious Diseases: 18%
  - Violence: 11%
  - Infant Mortality: 1%
  - Lead Poisoning: 1%

The graph indicates a decrease in Infectious Diseases and Lead Poisoning, while Violence and Infant Mortality show an increase.
Select Key Findings of Need

- 21% Delayed/Did Not Seek Medical Care Due to Cost (past year)
- 14% Unmet Dental Care Need (past year)
- 11% Delayed/Did Not Take Prescription Due to Cost (HH, past year) vs. 3% HP2020
- 46% Flu Vaccination (past year, 18+) vs. 70% HP2020
- 32% High Blood Pressure
- 25% High Blood Cholesterol
- 65% Overweight
- 22% Current Tobacco Cigarette Smoker (past month) vs. 12% HP2020
- 47% Tried to Quit Smoking (past year) vs. 80% HP2020
- 35% Binge Drink (past mo.; 4+ Female, 5+ Male) vs. 24% HP2020 (5+)
- 18% Children 8 to 17 Years Old Bullied (past year)
Report Available at...

- www.aurora.org/commbenefits
- www.chw.org
- www.columbia-stmarys.org/Serving_Our_Community
- www.co.ozaukee.wi.us/PublicHealth/index.html
Next Steps