

The Health of Kewaunee County

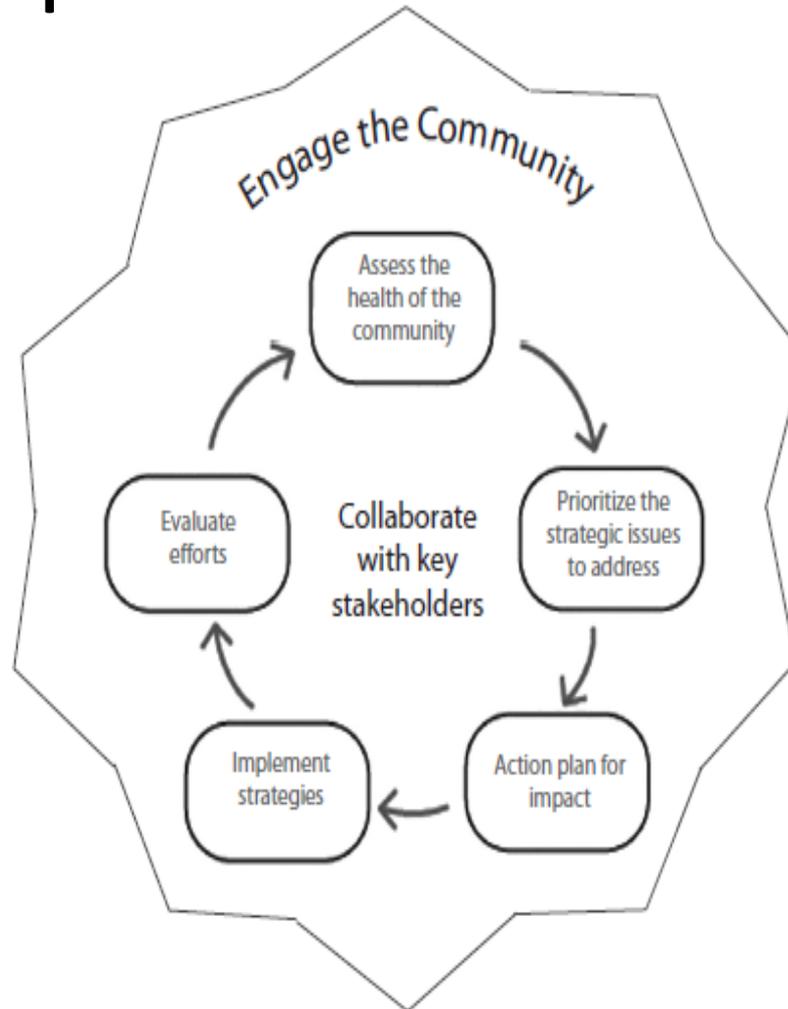
Community Health Assessment

September 2015

Overview of Community Health Assessment

- A way to develop and implement a local health plan to address health conditions impacting their residents.
- It is based upon the Healthiest Wisconsin 2020 focus areas and objectives

Community Health Improvement Process



Purpose of Assessment

- Provide an overview of the health of the community
- Look for opportunities for improvement
- To be Data informed, but Community Driven!

Kewaunee County Community Health Improvement Plan 2010

- **Health Priority:** Access to Primary and Preventative Health Care
- **Focus Area:** Lack of Access to Dental Care
- **Health Priority:** Alcohol and Other Substance Abuse and Addiction
- **Focus Area:** Youth Alcohol Use and Abuse
- **Health Priority:** Mental Health
- **Focus Area:** Adolescent Mental Health Services

Health Priority: Access to Primary and Preventative Health Care

Focus Area: Lack of Access to Dental Care

Objective1:

Kewaunee County Medical Assistance recipients will have access to dental care

Indicators:

- Increased number of BadgerCare enrollees with at least one dental claim per year.
- Mobile dental provider will be available for on-site dental care.
- Number of area dental providers will increase.

Dental Strategies and Progress Summary:

Strategies:

- Kewaunee County Public Health will provide dental varnishes free of charge to residents under 6 years of age.
- Assess existing programs and review evidence-based programs.
- Convene partners and develop a plan to address unmet needs.

Dental Programs in Schools:

- Green Bay Dental Alliance in Kewaunee School District
- Seal A Smile Dental Program in the Algoma School District
- Smiles 4 Life Program -County Wide for all students

Dental Programs in the Community:

- Literacy Family Dental Education day
- Back to School Program
- Kewaunee County Health Department Appointments / WIC

Health Priority:

Alcohol and Other Substance Abuse and Addiction

Focus Area: Youth Alcohol Use and Abuse

Objective:

Reduce the use and abuse of alcohol by Kewaunee County youth.

Indicators:

- The number of Kewaunee County youth that report having an alcoholic drink in the last 30 days will decrease.
- Kewaunee County will have the capacity to provide alcohol treatment to youth.
- The number of Kewaunee County juvenile arrests for Liquor Law Violations will decrease.

Youth Alcohol Use & Abuse Strategies and Summary

Strategies:

- Kewaunee County Public Health will support the Families and Communities Encouraging Success (FACES) group and support the continuation of their plans.

FACES: Families And Communities Encouraging Success

- Prevention work has been done through partnerships with the FACES organization
- Parents Who Host, Lose the Most
- Community Educational Night / Public events regarding Heroin / Marijuana Usage
- Awareness / Outreach on Safeguarding Prescription Medications

TMAD (Teens Making A Difference): Action Teams

- High school students organizing and running tobacco alcohol and drug free activities for grade school / middle school students (Kewaunee School District)

Human Service Staff Education after Code of Conduct Violations

WI WINS: Offered through reTh!nk:

HOPE: Resource Guide and Parent Cafes

Health Priority: Mental Health

Focus Area: Adolescent Mental Health Services

Objective : Kewaunee County youth will have increased access to mental health services.

Indicators:

- Kewaunee County Youth will have fewer mental health hospitalizations and Emergency Room visits.
- Kewaunee County Youth will have fewer admissions to Juvenile Detention Centers.

Strategies:

- Human Services Community Support Team (CST) will identify mental health prevention activities existing in Kewaunee County and Human Services CST to develop mental health resources to be use by the CST teams to provide services.
- Support education efforts for mental illness screening.
- Update resources available for mental health services.

Youth Access to Mental Health Service Progress Summary

Kewaunee County CST (Community Support Teams) Program:

- ✓ 24 Active CST Teams
- ✓ Significant Reduction of Inpatient Hospitalization for Youth
2013 drop from 13 to 3

2013:

- ✓ 19 children remained in their home or current placement
- ✓ 4 children were reunified home

2014:

- ✓ 93% of parents whose child is involved in CST, feel more successful with their parenting skills.
- ✓ 87% of parents whose child is involved in CST feel better equipped to deal with their child's challenging behaviors.
- ✓ 100% of parents whose child is involved in CST admit CST has created a happier home environment.

Kewaunee County 2015 CHIP

Community needs Assessment Survey
Claire Thompson, Community Development Educator
UW Cooperative Extension, Kewaunee County

*Your county
extension office*



UW
Extension
Cooperative Extension
Kewaunee County



**2015 Survey
N=155**

Print and Electronic Survey of Community Partners

General Community Survey Distributed through Facebook

NOT RANDOM. Represents the opinions of those surveyed ONLY and cannot be generalized to the public at large.

Measurable & Modifiable Health Factors

- Oral health
- Alcohol and other drug use
- Infectious Disease
- Physical Activity
- Mental Health
- Tobacco Use and Exposure
- Injury and Violence
- Reproduction and Sexual Health
- Growth and Development
- Health and Nutrition
- Access to Healthcare
- Improved and Connected Health Service Systems
- Chronic Disease Prevention
- Emergency Preparedness/ Response and Recovery
- Community Safety
- Health Literacy
- Social Support
- Racism/ Hate Crimes
- Access to Housing
- Access to Parks
- Access to Food
- Air, Water, and Soil Quality

Top Six Perceived Health Needs in Kewaunee

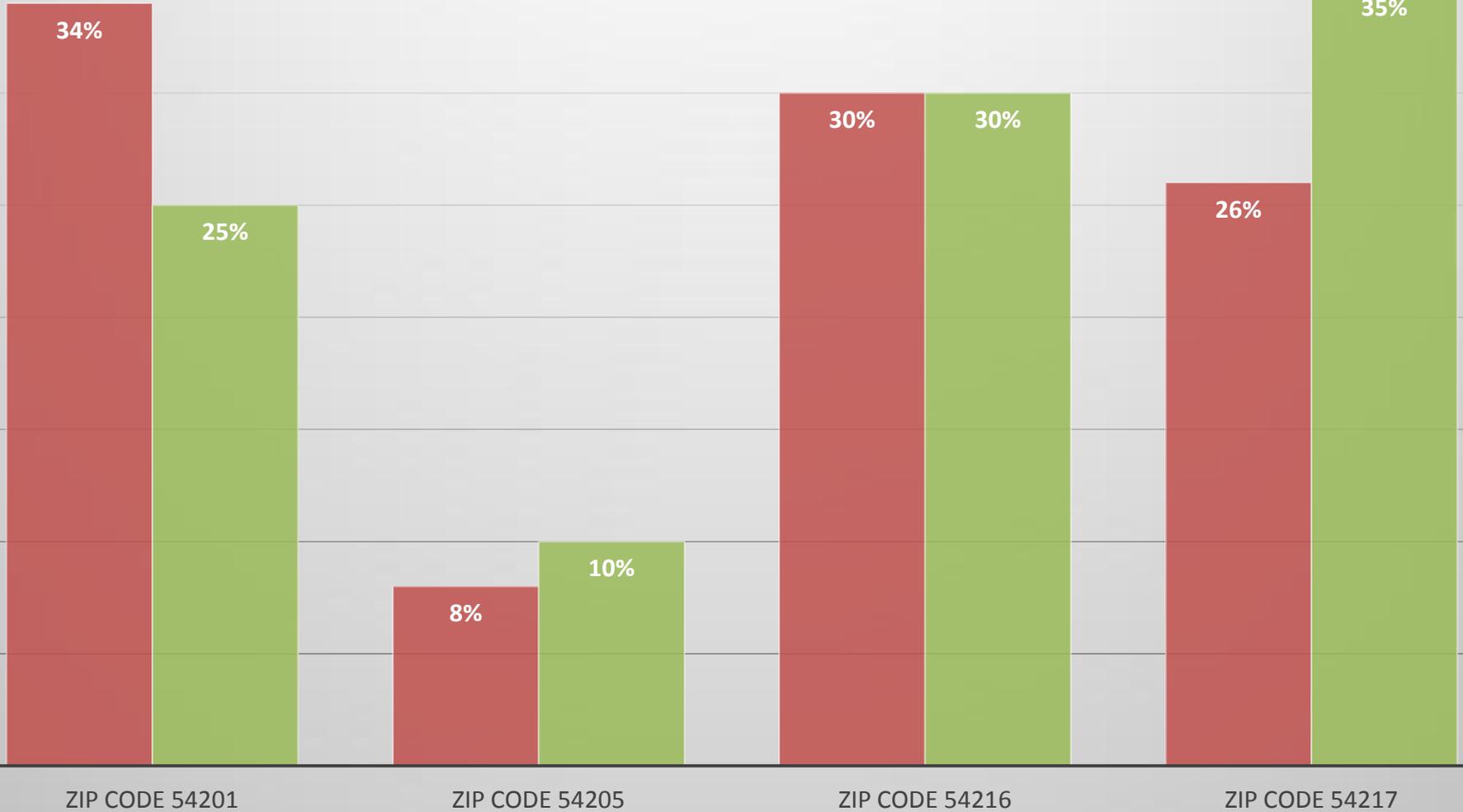
	All N=155	Algom a N=47	Kew N=41	Lux N=35	Age < 65 N=110	Age > 65 N=31	Write-In Ranking Needs
1. Alcohol/Drug	64%	76%	56%	69%	68%	58%	2.0
2. Air/Water/Soil	54%	66%	39%	63%	56%	48%	1.0
3. Physical Activity	51%	66%	61%	*29%	52%	52%	6.0
4. Health/Nutrition	50%	60%	56%	35%	53%	42%	4.0
5. Mental Health	47%	49%	56%	40%	51%	**32%	3.0
6. Oral Health	33%	40%	30%	40%	38%	45%	5.0

Top Health Strengths in Kewaunee County

1. Access to Health Care, Clinics
2. Parks, Fitness, Access to Physical Activity
3. Improved and Connected Health Service Systems
4. Access to Food
5. Tie: Safety, Rural Living, Social Supports

Zip Code of Residence

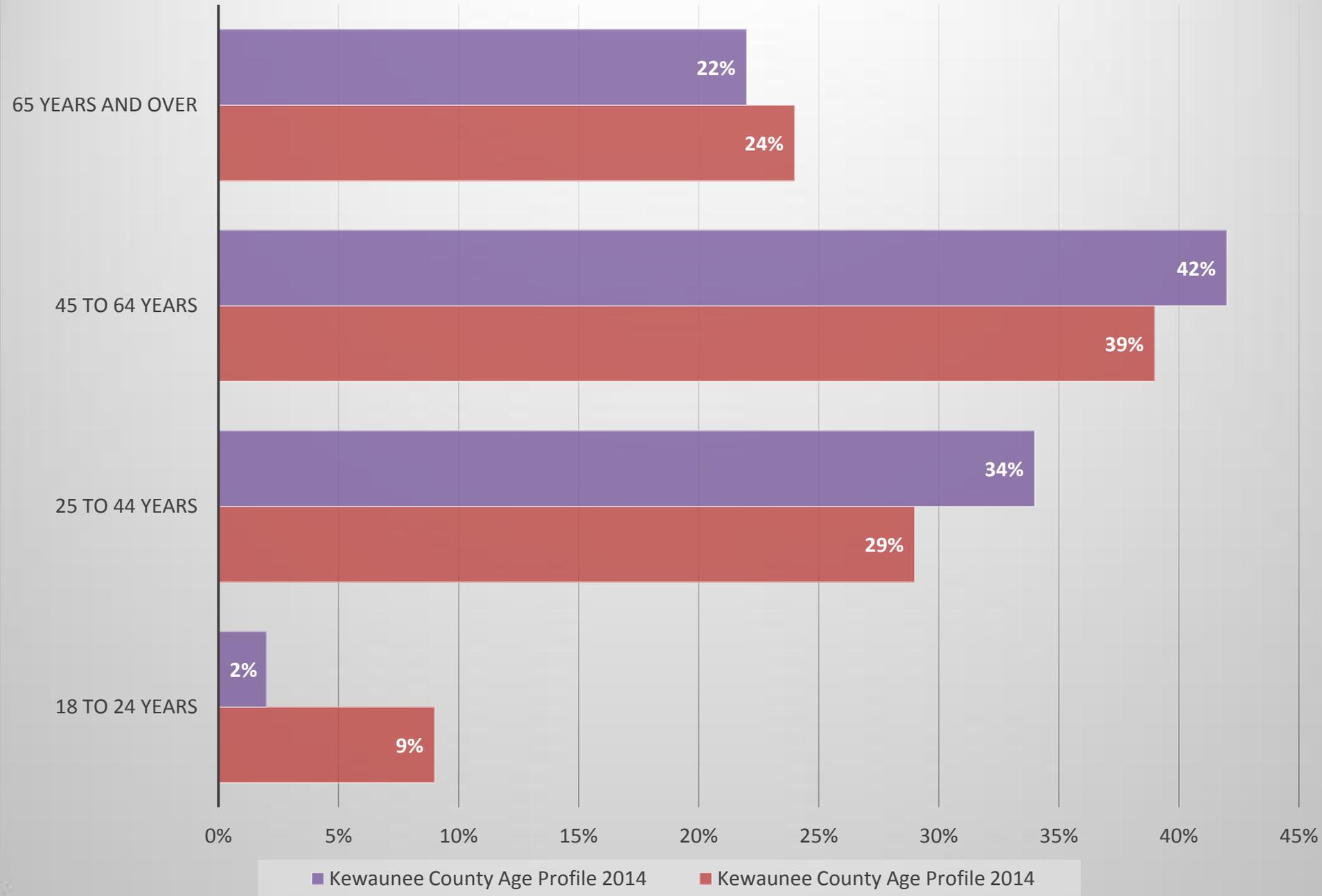
N=137



■ Survey Respondents ZIP

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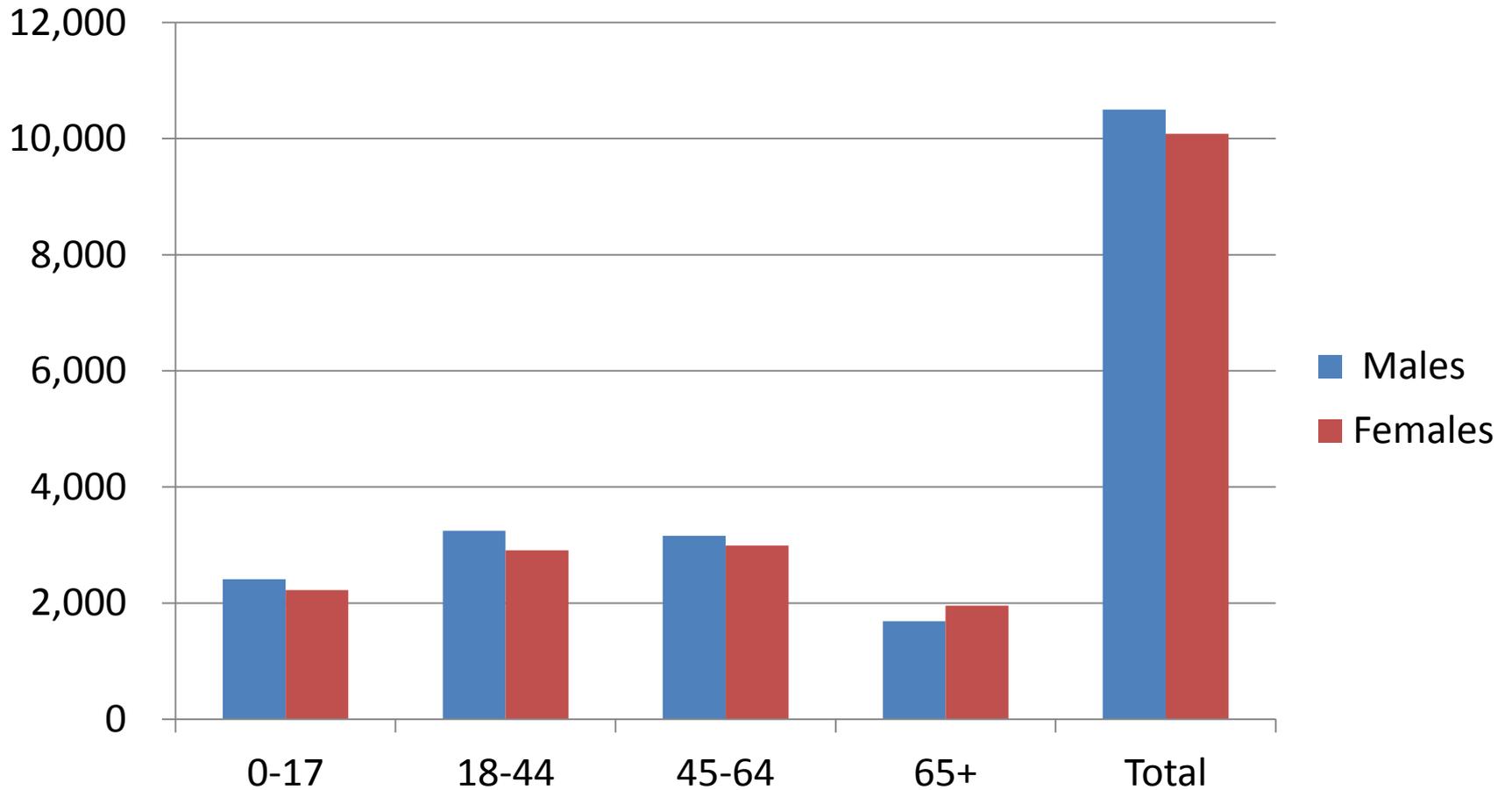
Respondent Age N=144



Who We Are

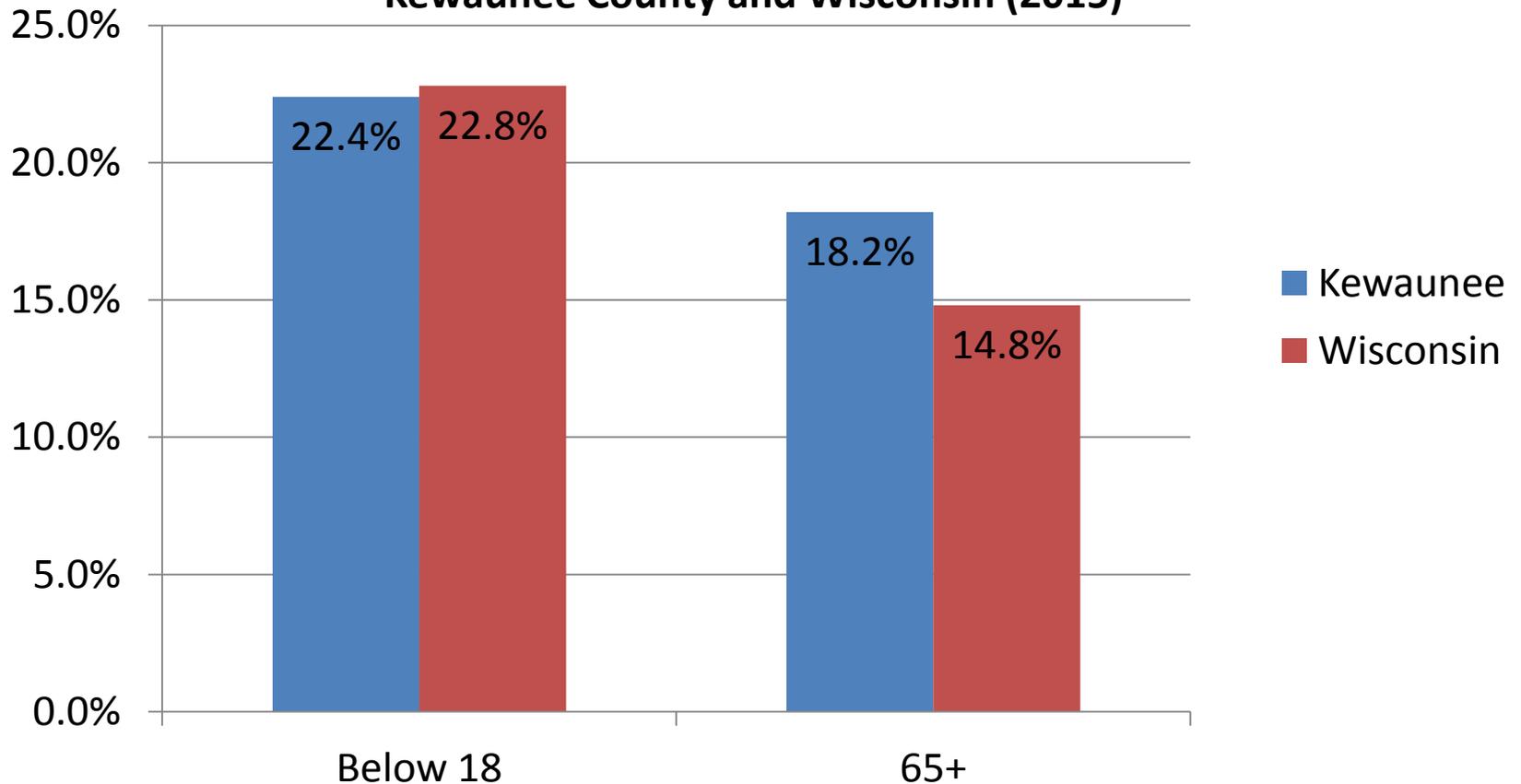
**COMMUNITY HEALTH ASSESSMENT
DATA**

Demographics - Age



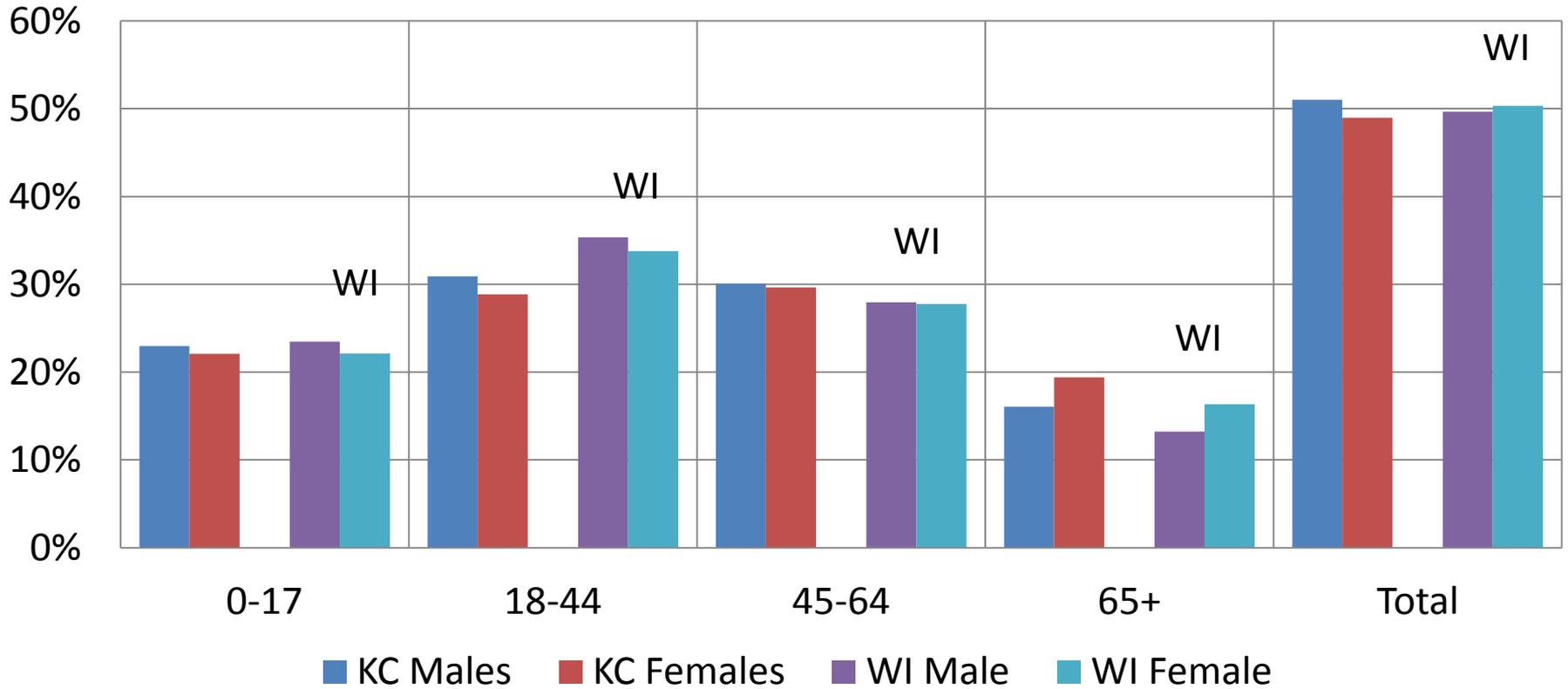
Age of Residents

Percent of population below 18 and 65 +
Kewaunee County and Wisconsin (2015)



Source: County Health Rankings/US Census

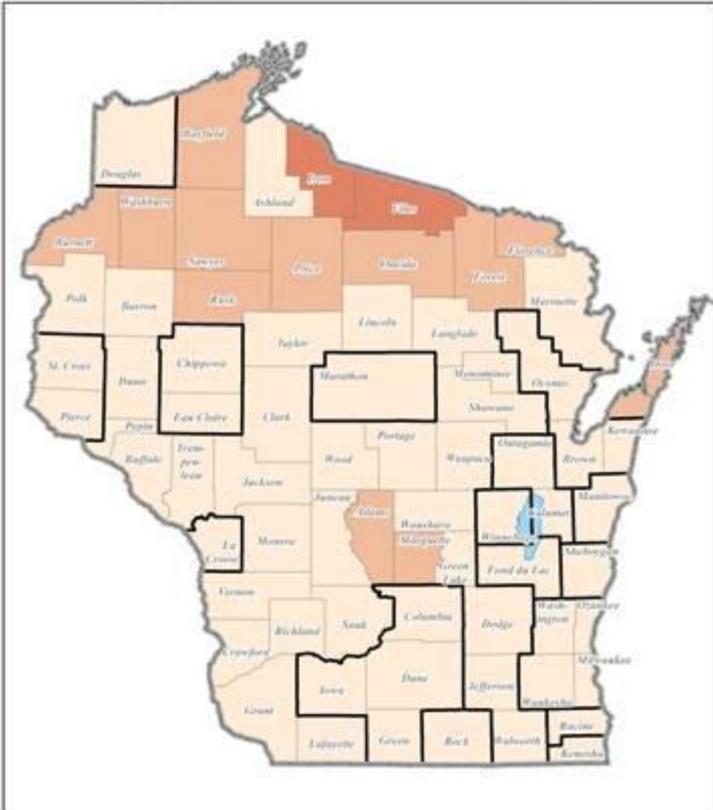
Population



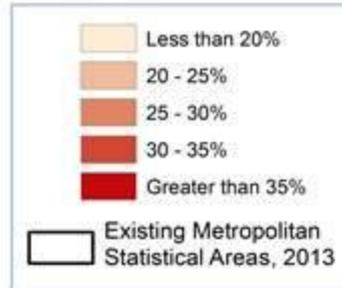
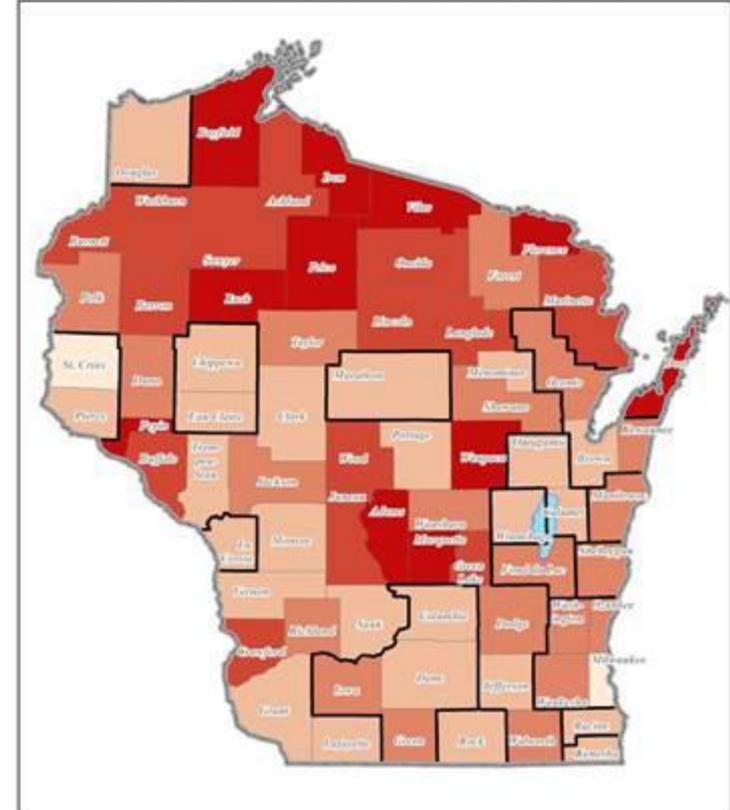
-2.6% Overall Population Change from 2009-2013

Projected Population Growth

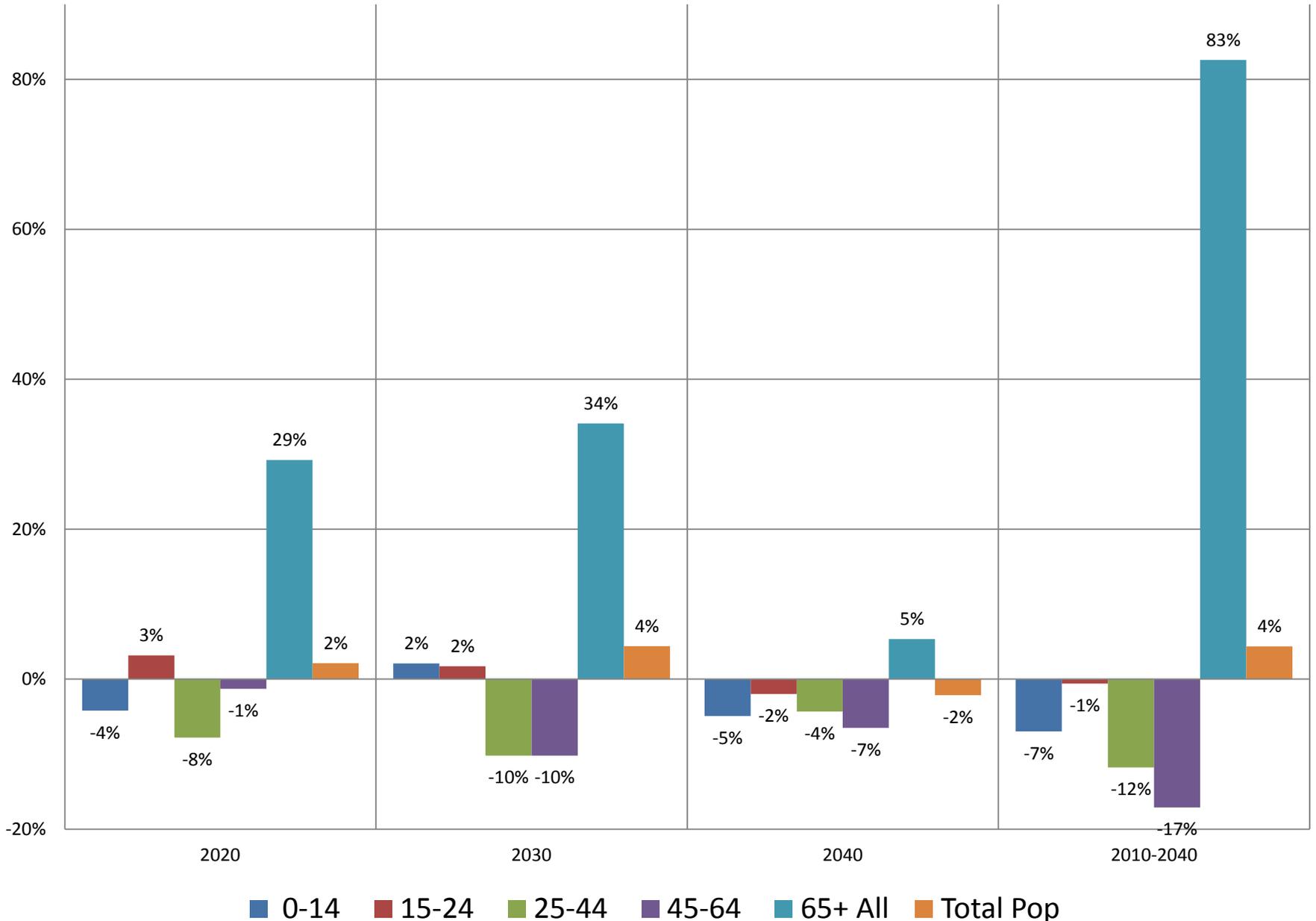
**Percentage of Population
Age 65 & over, 2010 Census**



**Percentage of Population
Age 65 & over, 2040 Projection**



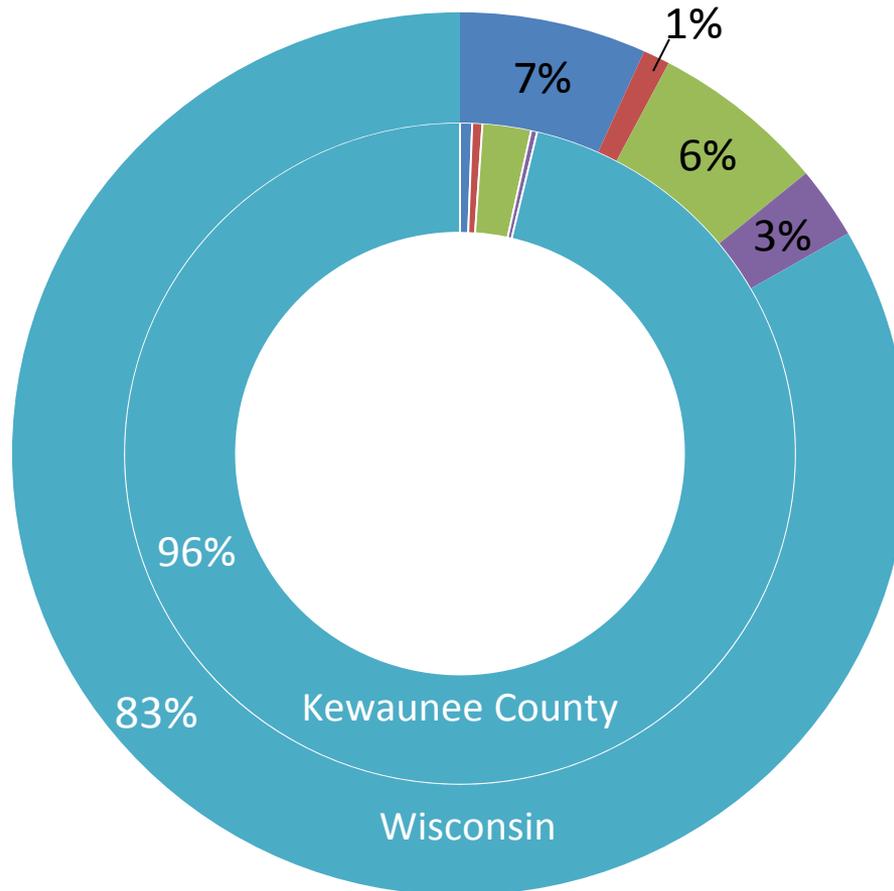
Projected Population Change 2010-2040



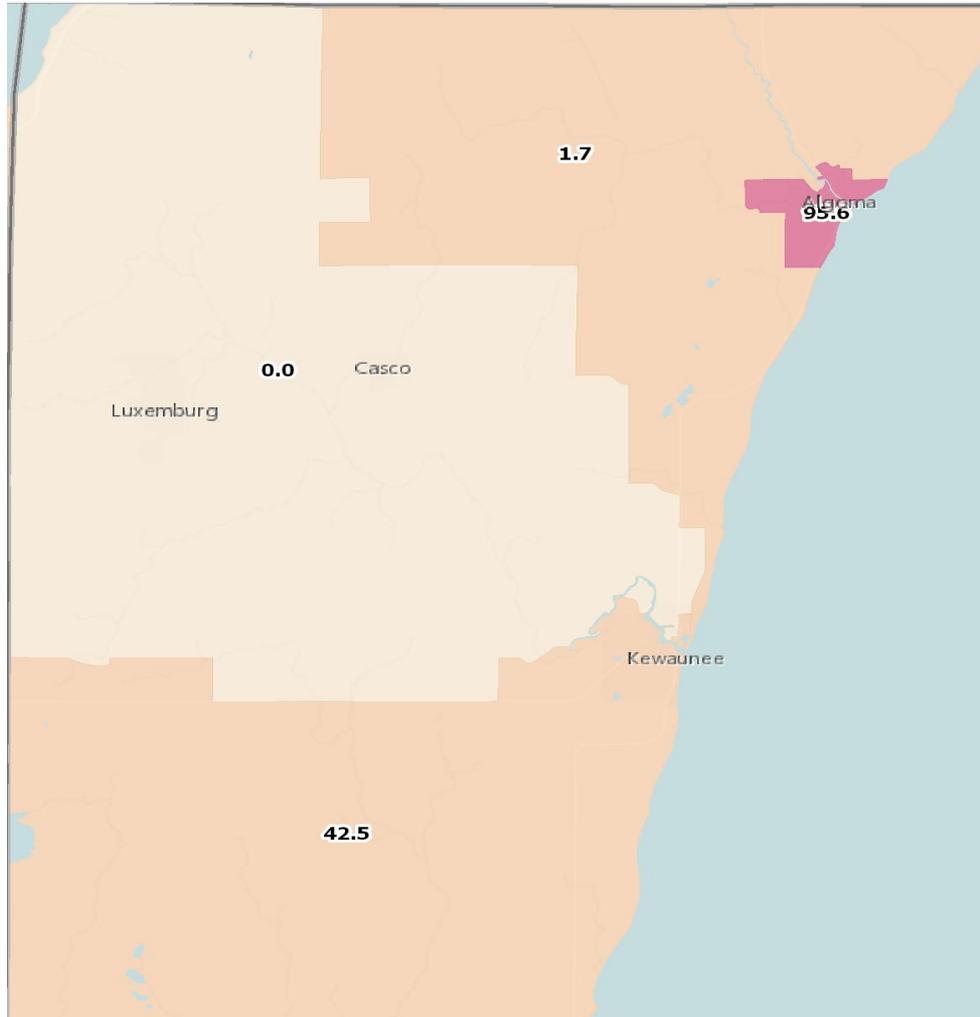
Race of Residents

Kewaunee County and Wisconsin (2015)

■ African American 0.6% ■ American Indian 0.5% ■ Hispanic 2.3% ■ Asian 0.3% ■ White

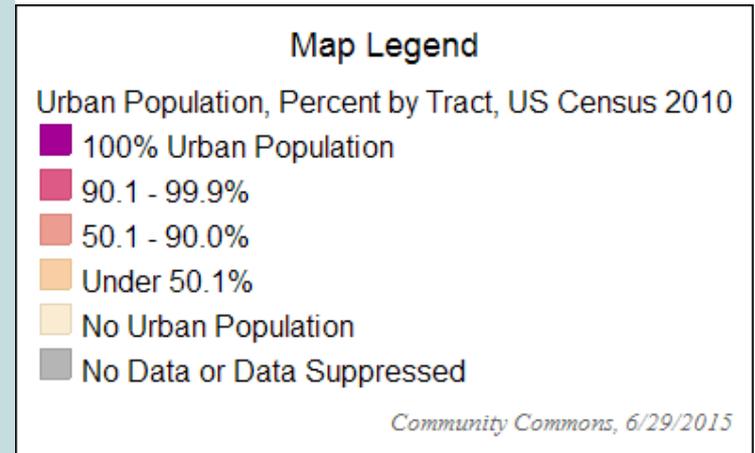


Geography of Community



73.2% of the Population is living in Rural Kewaunee County Areas

Wisconsin has 29.8% Rural Population



Health Outcomes



Length of Life/Mortality

- Kewaunee County ranks #1 in Length of life
 - Lowest number of Years of Potential Life Lost
- In 2011 Kewaunee ranked 18th!
- Great improvements!

Top 5 leading causes of death

Kewaunee County	Wisconsin
Heart Disease	Cancer
Cancer	Heart Disease
Other	Other
Cerebrovascular Disease	Unintentional Injuries
Chronic Lower Respiratory disease	Chronic Lower Respiratory disease

DHS WISH 2009-2013

Quality of Life/Morbidity



Measures of Overall Health:

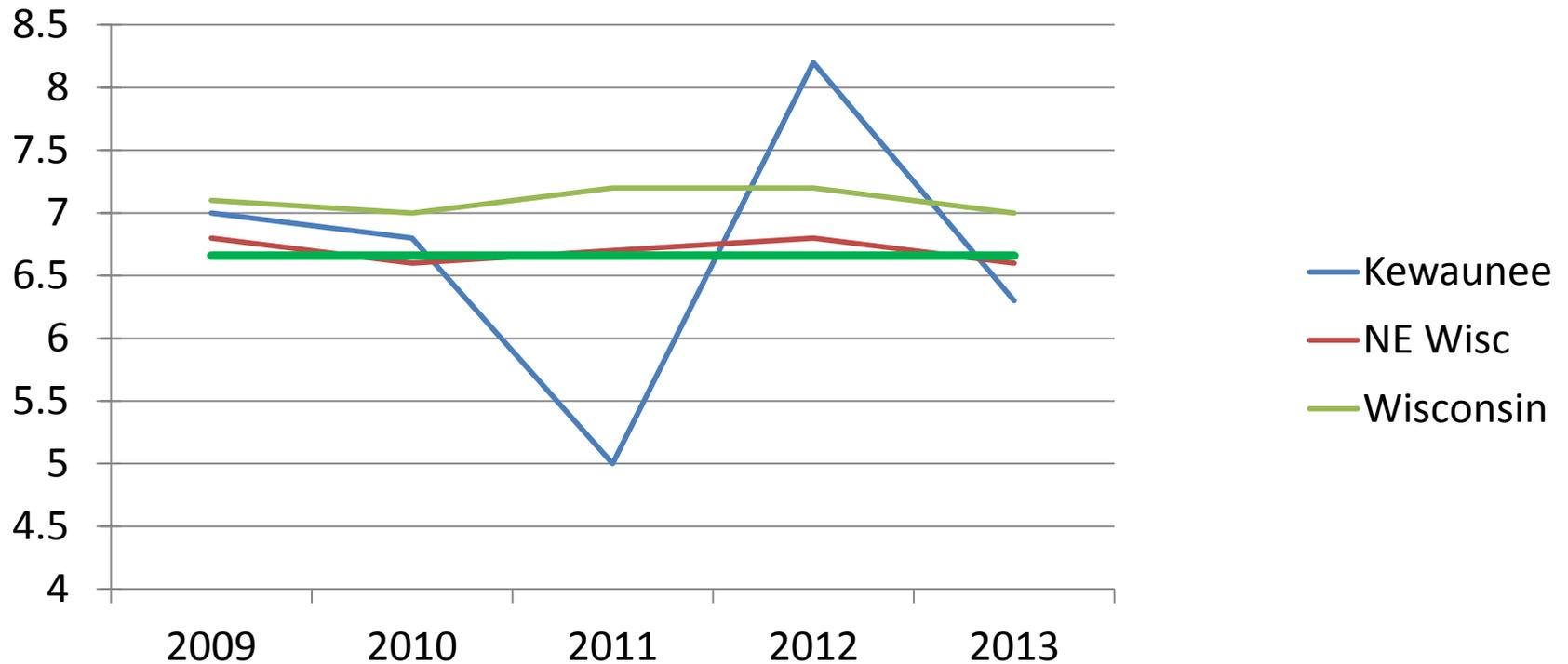
	Kewaunee County	Wisconsin	National Benchmark
Poor or fair Health	8%	12%	10%
Poor Physical Health Days	3.1 days	3.2 days	2.6 days
Poor Mental Health Days	2.8 days	3.0 days	2.3 days

Source: County Health Rankings/BRFSS

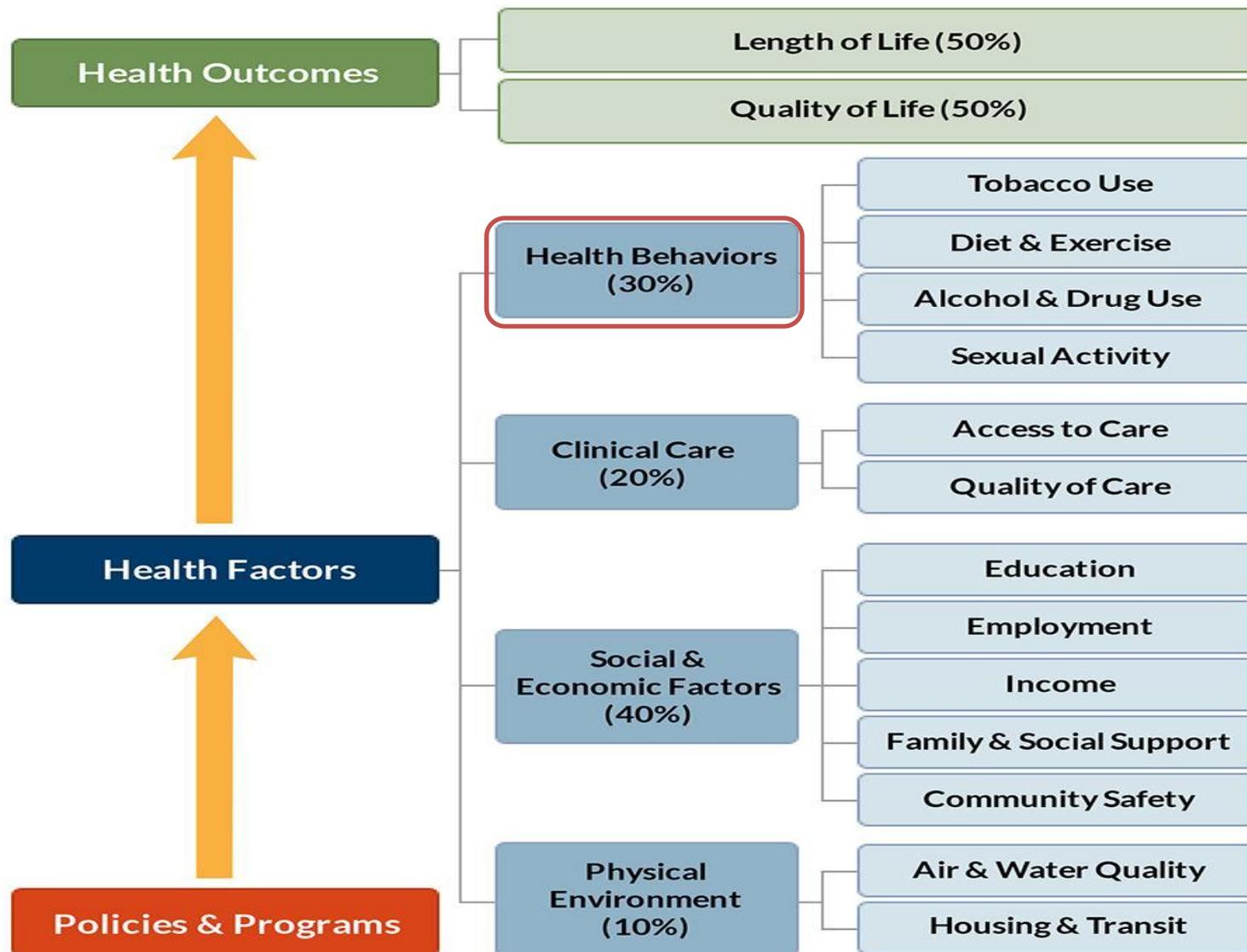
Measures of Overall Health: Low Birth Weight Infants

Percent of birth weights <2,500 grams

Kewaunee County, Northeast Wisconsin and Wisconsin (2015)



Source: County Health Rankings/WI Department of Health Services WISH



County Health Rankings model © 2014 UWPHI

Chronic Diseases: Why This Matters

- Chronic diseases include:
 - Heart disease, stroke, cancer, diabetes, asthma
- Can often be prevented through:
 - Healthy diet, physical activity, eliminating tobacco use and substance abuse
- Chronic disease is important because:
 - They are very costly
 - Effective management can prevent more serious complications

Chronic Disease: Incidence

Chronic Disease	Kewaunee County	Northeast Region	Wisconsin
Diabetes ¹	9%	N/A	9%
Cancer ²	560.2	561.4	531.1

- Cancer: Incidence 2008-1012 – Kewaunee county has higher incidence than the state

Chronic Disease: Hospitalization

Per 1,000 Population

Chronic Disease	Kewaunee County	Wisconsin
Diabetes	All – 1.4	All – 1.3
Cancer	All – 3.6	All – 3.1
	65+ - 12.6	65+ - 10.8
Coronary Heart Disease	All – 2.8	All – 3.1
	65+ - 11.3	65+ - 12.5
Cerebral Vascular Disease	All – 3.6	All – 2.5
	65+ - 14.6	65+ - 11.9

Oral Health: Why This Matters

- ▶ Oral health means being free of mouth pain, tooth decay, tooth loss, oral and throat cancer, birth defects and other diseases that affect the mouth.
- ▶ Many diseases can start with oral symptoms, and many diseases beginning in the mouth can affect health in other parts of the body.
- ▶ Wisconsin has been experiencing shortages of access for dental and other oral health services, particularly for people receiving BadgerCare or lacking insurance coverage for oral health services

Oral Health

Water Sources of Fluoride

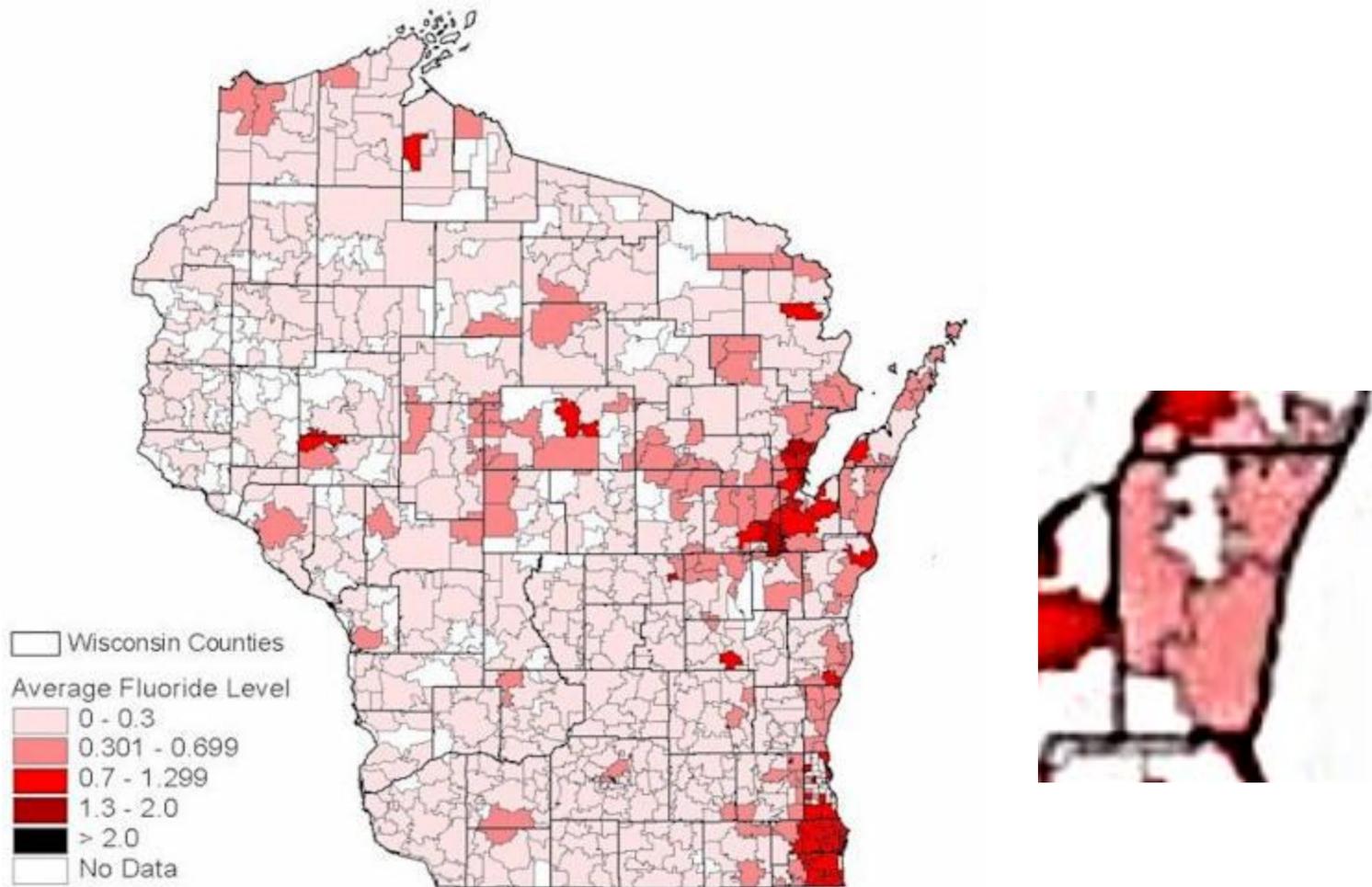
- **Access to public water supply – 42.8%**
 - Fluoride content at 0.7PPM (optimal level)

Kewaunee	Wisconsin
42.8%	71.7

- **Population with access to optimally fluoridated water – 42.8%**

Kewaunee	Wisconsin
42.8%	89.4%

Private Well Fluoride Content by Zip Code



Source: Wisconsin Department of Health Services and the Wisconsin State Laboratory of Hygiene, July 2003. Average fluoride concentrations in parts per million (ppm). n=9999

Oral Health: Treatment of Children

- **3 Dentist providing Medicaid service**
 - No dentist currently accepting New Medicaid patients
- **46.6% of 3rd Grade students have dental sealants applied**

Communicable Diseases: Why This Matters

- **Communicable diseases includes:**
 - foodborne & waterborne, respiratory, vaccine-preventable, sexually transmitted and other
- **Prompt identification and control can reduce:**
 - Illness, death, health care costs and absenteeism
- **What are some communicable diseases that are among the leading causes of illness and death in US?**
 - Viral hepatitis, influenza and TB

Communicable Disease: Immunizations

- **42% of Kewaunee County residents 65+ receive Influenza immunization in 2014-2015 season**
- **77% of children have completed the recommended immunization series by 24 Months**
 - WI 70.4%
 - Target 80%
- **80% of children completed series by 36 Months**

Communicable Disease: Major Diseases (All Causes)

		2010	2011	2012	2013	2014	Total
Communicable Diseases							
	Pertussis	0	0	7	0	1	8
	Influenza – Associated Hospitalization	0	1	6	5	4	16
Enteric Diseases							
	Campylobacteriosis	3	3	6	4	7	23
	Cryptosporidiosis	4	0	1	2	1	8
Sexually Transmitted Infections							
	Chlamydia	10	8	4	9	14	45
	Gonorrhea	3	2	1	0	0	6

* There has been one confirmed case of Lyme's disease over the last 5 years

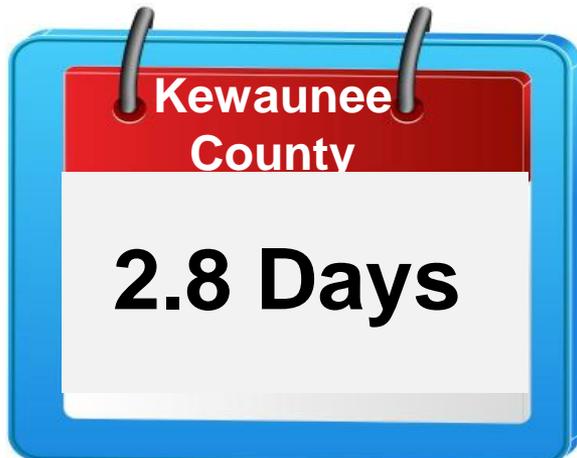
Source: WI Public Health Information Network – AVR

Mental Health: Why This Matters

- **Essential to:** personal well-being, relationships, ability to contribute to society
- **Mental disorders: one of most common causes of disability**
 - 13 mil adults have seriously debilitating mental illness each year in US
 - Suicide is 11th leading cause of death overall in US (30,000 per year)
 - Estimated 8 -12 attempts for every suicide death
- **Mental health issues are associated with physical health problems including:**
 - Smoking, physical inactivity, obesity and substance abuse

Mental Health

Poor Mental Health Days In 30 days (Goal 2.3 days)



Self-Inflicted Hospitalizations

Rate per 100,000

Kewaunee County	28
Northeast Region	100.9
Wisconsin	100.7

Source: County Health Rankings/WISH

Injury & Violence: Why This Matters

- Injury is leading cause of death in ages 1-44
- Injury is the leading cause of disability
- 180,000 deaths/year in US
- Many think of injuries as “accidents” or “acts of fate” but most are predictable and preventable

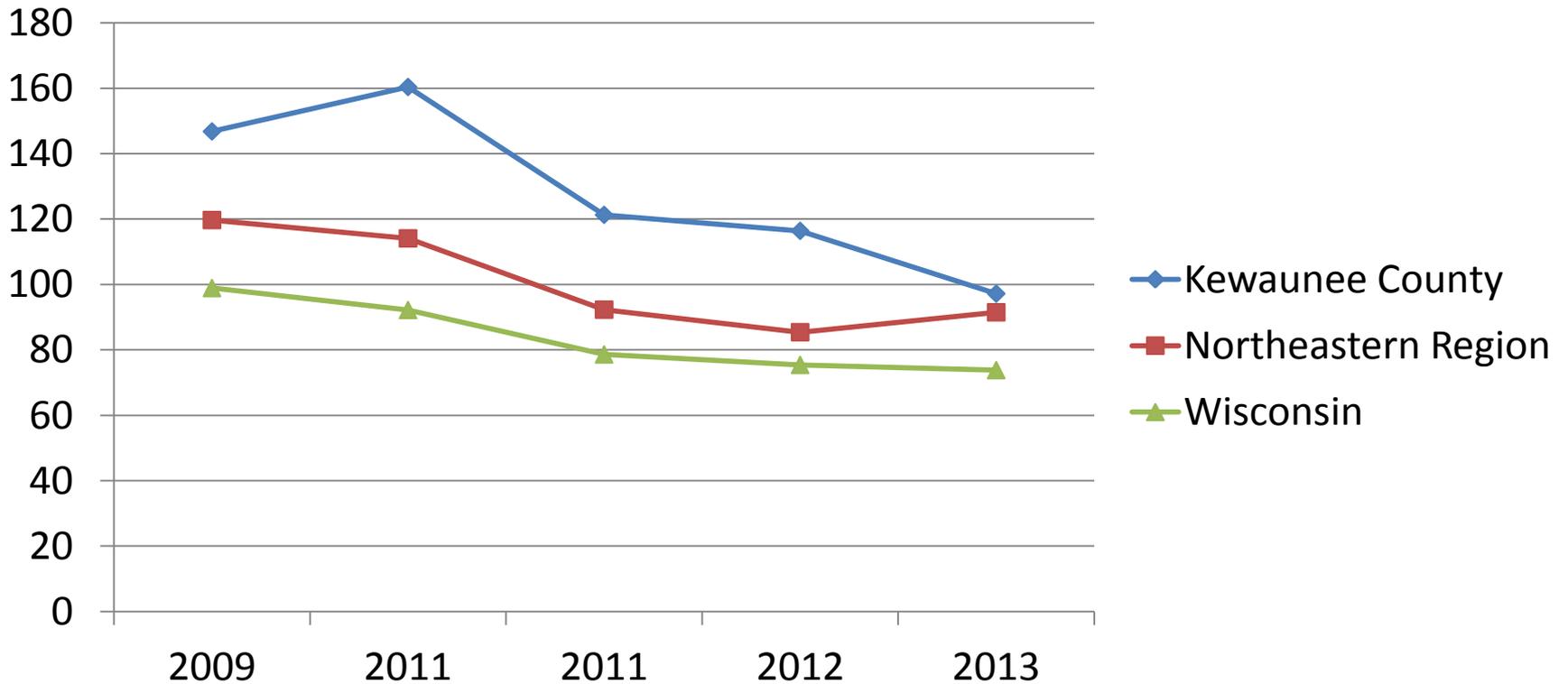
Injury & Violence:

Ranked Cause of Hospitalizations for Injuries

Rank Order	Kewaunee	Rate/ 100,000	Wisconsin	Rate/ 100,000
1	Falls	384	Falls	421
2	Unspecified cause of injury	68	Poisoning	130
3	Poisoning	44	Unspecified cause of injury	79
4	Other specified classifiable cause of injury	34	Other specified classifiable cause of injury	54
5	Motor vehicle traffic crash - Occupant	29	Motor vehicle traffic crash - Occupant	39

Non-Traffic related Injuries

Rate of emergency department visits for injuries sustained by non-traffic related vehicles (per 100,000 population) (2009-2013)



Source: WI Department of Health Services WISH

Non-Traffic Vehicle Related Hospitalization

**Snowmobile Injury Hospitalization Rate
per 100,000**

Age	Kewaunee Co.	WI
All	4.8	2.2
0-14	*	0.6
15-44	13.6	3.3
45-64	*	2.4
65+	*	0.6

**ATV Injury Hospitalization Rate per
100,000**

Age	Kewaunee Co.	WI
All	10.6	5.1
0-14	15.2	3.8
15-44	16.3	6.5
45-64	3.3	4.7
65+	60.	3.6

Injury & Violence: Deaths Due to Falls in Elderly

Area of Residence	Age of Death			
	All	15 - 44	45 - 64	65+
Wisconsin	17.7	1.3	6.6	111.6
Northeastern	18.0	1.0	6.9	110.3
KEWAUNEE	11.5	*	*	61.5

Source: WI Department of Health Services
WISH, 2008-2012

Tobacco Use: Why This Matters

- Tobacco use: single most preventable cause of death & disease in US
- Tobacco use causes:
 - cancer, heart disease, lung diseases, premature birth, low birth weight stillbirth and infant death
- Secondhand smoke causes:
 - heart disease, lung cancer, severe asthma attacks, respiratory infections, ear infections, SIDS
- Smokeless tobacco causes:
 - cancer of the mouth and gums, periodontitis, tooth loss