

# Shawano-Menominee Healthy Communities Community Health Improvement Process (CHIP)



January 22, 2020

# Thank You

## Shawano-Menominee Healthy Communities (Steering Committee Members & Support)

- Christopher Culotta
- \*Dawn Doperalski
- Deb Lidbury
- Faye Dodge
- George Lenzner
- Greg Nordwig
- \*Jane Lehman
- Janet Kazmierczak
- Jeff Stumbras
- Jennifer Frost
- Jodi Pankow
- Judy Heubel
- \*Katie McAllister
- Kim Wolfmeyer
- \*Kimberly Buettner
- \*Lori Schuettpelz
- Megan Suehring
- Nicholas Benzinger
- \*Nicholas Mau
- Paula Morgen
- Paula Manley
- Peggy Garefino
- Rebecca Nicole McNeel
- Rhonda Strebel
- Rebecca Smith
- Ruth Duket
- Tammy Albertson
- Tara Draeger
- Theresa Harmala
- Ty Raddant
- Vaughn Bowles
- Vicki Dantoin

## Other Special Appreciation

- Aspirus
- Bellin Health
- HSHS
- Theda-Care
- Thrivent
- Locations
  - College of Menominee Nation
  - Town of Washington
  - Bowler School
- Committee Meeting Locations:
  - Genex
  - Glas Coffee House
  - Shawano County
- Food
  - Menominee Casino
  - Shawano County
- Additional Presenters
  - Darla Dick
  - Marianne Peshek
- Data
  - Sara Reed – AHEC Intern at Health Dept
  - Providers of Raw Data –
  - Key Informant Interview Participants
  - Focus Group Participants
  - Survey Participants
- **All of YOU!!**

# Welcome and Introductions

- Welcome
- Housekeeping
- Handout Materials
- Introductions
  - Satellite Locations

# Overview of the Day

- Registration/Refreshments
- Introduction & Overview of Health Assessment
- Shawano-Menominee Counties Survey Results
- Shawano & Menominee Counties Demographics
- Review of Data Profiles
- Small and Large Group Discussion
- Voting Process & Voting
- Explanation of Next Steps

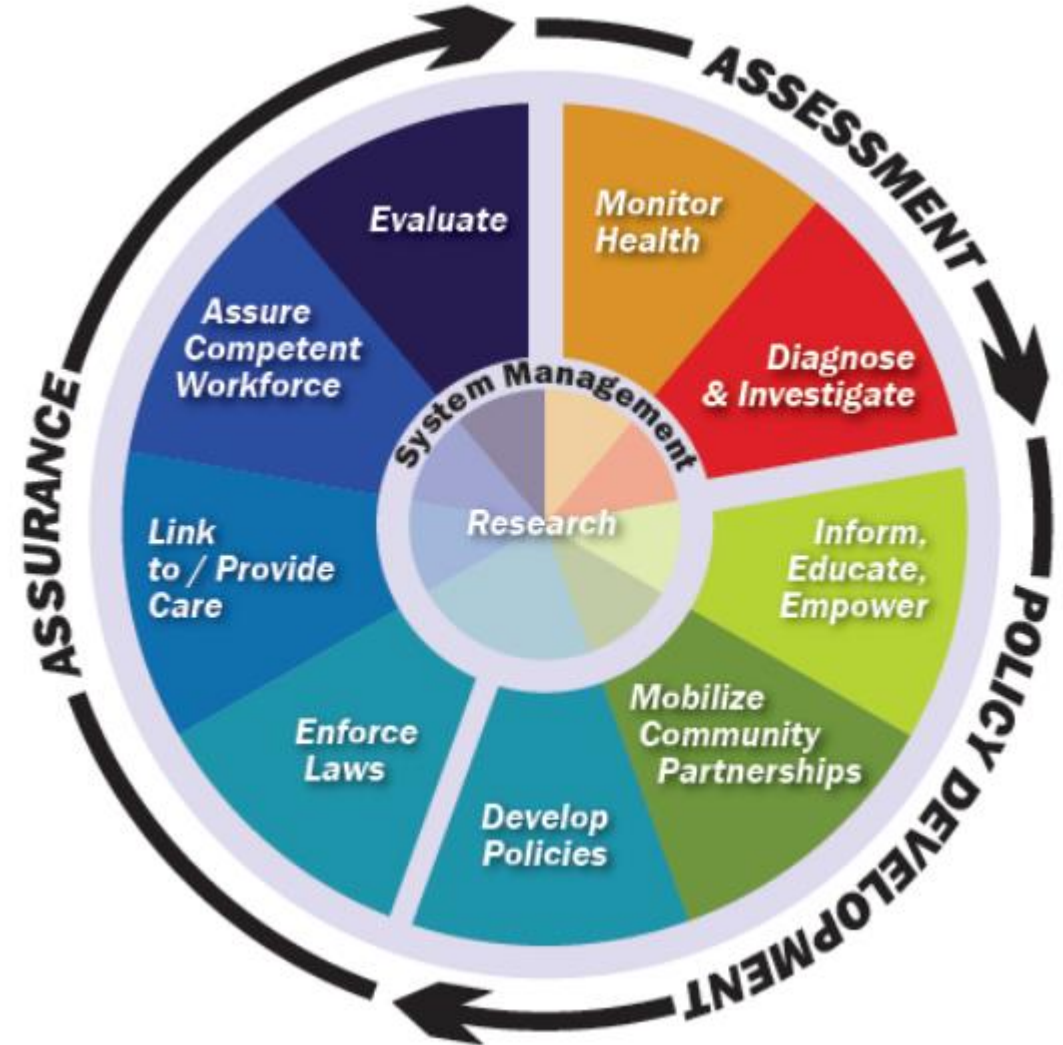
\*Please stay until the end to make your vote count!\*



# What is Public Health?

## The 10 Essential Public Health Services

1. Monitor health status
2. Diagnose and investigate
3. Inform, educate, and empower
4. Mobilize community partnerships
5. Develop policies
6. Enforce laws
7. Link people to health services
8. Assure competent workforce
9. Evaluate
10. Research



# What is a “Healthy Community”?

**Social Factors**  
**Economic Factors**  
**Educational Factors**

(Where we LIVE, LEARN, WORK, and PLAY)

Can affect health choices and outcomes.

Shawano-  
Menominee  
Healthy  
Communities

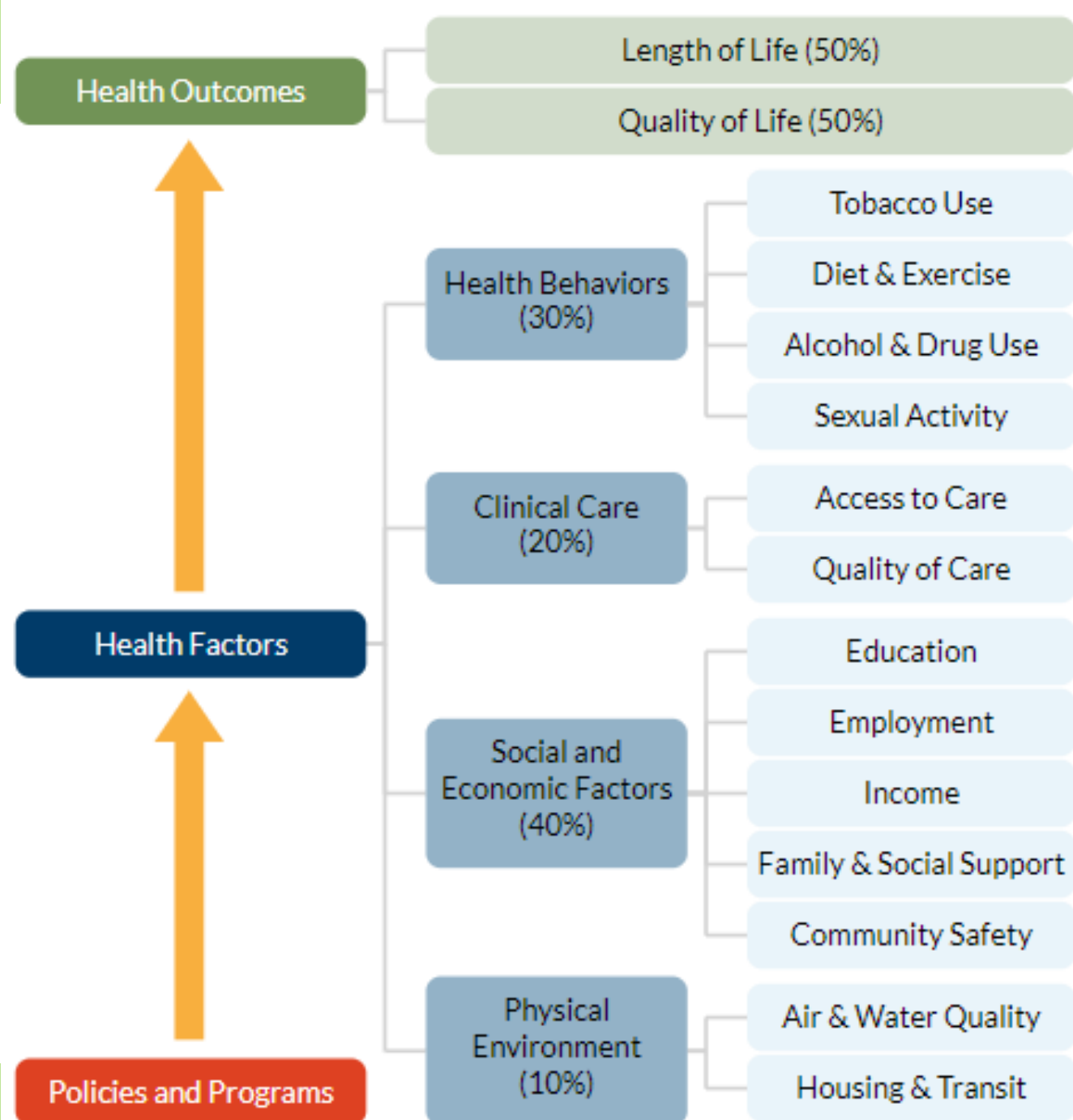
**Vision & Values**

**Physical Health**  
**Mental Health**  
**Emotional Health**  
**Social Health**  
**Spiritual Health**  
**Economic Health**  
**Educational Health**  
**Environmental Health**  
**& More...**

Definition of a Healthy Community from the Centers for Disease Control and Prevention:

*“A community that is continuously creating and improving those physical and social environments and expanding those community resources that enable people to mutually support each other in performing all the functions of life and in developing to their maximum potential.”*

# Health Outcomes



# **Shawano-Menominee Current Health Priorities (2016-2020)**

1. Alcohol and Other Drug Use
2. Early Childhood Development
3. Healthy Nutrition

# Community Health Needs Assessment and the Connection to the State Health Plan

**Janet Kazmierczak, BSN, RN**

Public Health Nurse Consultant

*Wisconsin Department of Health Services, Division of Public Health*

- Wisconsin Department of Health Services shall:
  - Maintain a Public Health system in cooperation with local health departments, federally recognized American Indian tribes, community organizations, and medical clinics

## Community Health Needs Assessment & Plan Requirements

- Wisconsin Department of Health Services is required to produce a public health agenda for Wisconsin at least every 10 years.
  - Wis. Stat. §250.07(1)(a)
- Local health departments are required to conduct their own assessments and develop local strategies for health improvement.
  - Wis. Stat. §251.05
  - Wis. Administrative Rule 140.04
- Require assessment every 3-5 years
  - –Healthcare systems every 3 years per Affordable Care Act
  - –Public Health every 5 years per State Statute
- Consistent Framework Statewide

# Wisconsin State Health Plan

- Input from stakeholders
- Broad framework for local community health assessments & improvement plans
- Comprehensive Process
  - Aligns with Wisconsin communities
- State Health Assessment
- State Health Improvement Plan
- Ongoing Collaboration
  - Public Health Council
  - Wisconsin communities



## Healthy Wisconsin: Current Priorities

- Alcohol
- Nutrition and Physical Activity
- Opioids
- Suicide
- Tobacco

*\*Cross-cutting Issue - Adverse Childhood Experiences (ACEs) and Resilience\**

# Healthiest Wisconsin 2020: Focus Area Profiles

## Health

- Adequate, appropriate, and safe food and nutrition
- Alcohol and other drug use
- Chronic disease prevention and management
- Communicable disease prevention and control
- Environmental and occupational health
- Healthy growth and development
- Injury and violence
- Mental health
- Oral health
- Physical activity
- Reproductive and sexual health
- Tobacco use and exposure

## Infrastructure

- Access to high-quality health services
- Collaborative partnerships for community health improvement
- Diverse, sufficient, and competent workforce that promotes and protects health
- Emergency preparedness, response and recovery
- Equitable, adequate, and stable public health funding
- Health literacy
- Public health capacity & quality
- Public health research and evaluation
- Systems to manage and share health information and knowledge

# Community Health Improvement Planning Process

## Components of a Community Health Improvement Planning Process (CHIPP)

- Organizing and Engaging Partners
- Visioning
- Collecting and Analyzing Data
- Identifying and Prioritizing Strategic Issues
- Developing Goals, Strategies, and an Action Plan
- Taking and Sustaining Action

## Mobilizing for Action through Planning and Partnerships (MAPP)

- Phase 1: Organize for Success & Partnership Development
- Phase 2: Visioning
- Phase 3: The Four Assessments
- Phase 4: Identify Strategic Issues
- Phase 5: Formulate Goals and Strategies
- Phase 6: Action Cycle

# Community Health Improvement Planning Process

## Steps 1 & 2:

- April 2019-July 2019
- Steering Committee:
  - Organized and Engaged Partners
  - Guide us through the process from start to finish
    - Data collection
    - Overseeing work once priorities are selected
  - A direction for the process...
    - Mission/Vision/Values

# Shawano-Menominee Healthy Communities

## Vision



Shawano-Menominee Healthy Communities (SMHC) envisions a community where the health of all people is valued and supported through the engagement of individuals, families, and organizations with a commitment to eliminate disparities. A community supported by a strong local public health system promotes an environment of holistic well-being with a trauma sensitive approach.

# Shawano-Menominee Healthy Communities

## Values



- **Support:**

- ✓ A community where friends, families, agencies, and groups support all residents to live safe, happy, and healthy lives.

- **Access:**

- ✓ A community where all residents have access to quality and affordable services that support physical, mental, spiritual, and emotional well-being.
- ✓ A community where all residents have easy access to healthy food and healthy environments that support daily living.

- **Engage:**

- ✓ A hard working community where members are involved in decision making and community outcomes.

- **Respect:**

- ✓ An honest and caring community environment where understanding and respect of cultural differences enhances the community and each reside

# Community Health Improvement Planning Process

## Step 3: Assessment

- April 2019-March 2020
- Community Health Assessment (CHA)
- MAPP Phase 3: The Four Assessments
  - Community Themes and Strengths (Community Survey)
  - Local Public Health System Assessment (Recent SMC Health Department 140 Review)
  - Community Health Status Assessment (Data Profiles)
  - Forces of Change (What is occurring that affects the community or public health?)

# Community Health Improvement Planning Process

## Step 4: Identify Strategic Issues

- January 2020
- We will have accomplished this by the end of today's meeting!



# Community Health Improvement Planning Process

## Steps 5 & 6:

- January 2020-January 2025
- Step 5 – Create Goals & Strategies
  - Community Health Improvement Plan (also CHIP)
  - Workgroups to address the priority issues
- Step 6 – Take and Sustain Action
  - Continuous evaluation of our plan and actions
  - Responsible to report to Steering Committee

# Overview of Today's Data Review

- 2019 Community Health Survey
- Shawano & Menominee Demographics
- **Section 1**
  - Injury and Violence
  - Mental Health
  - Alcohol and Other Drug Use
  - Tobacco Use & Exposure
- **Section 2**
  - Environmental and Occupational Health
  - Chronic Disease
  - Communicable Disease
  - Reproductive Health
- **Section 3**
  - Growth and Development
  - Oral Health
  - Safe, Adequate, and Appropriate Food and Nutrition
  - Physical Activity

## Disclaimers

- Shawano County and Menominee County data
  - Because of geography, this may include Menominee Nation data
- Population size of Menominee County is about 10% the size of Shawano County
  - Due to sample size - Menominee data may not be available
  - Sometimes data is not comparable and was therefore separated
  - Menominee “rates” can appear high
    - Numbers instead of rates when possible
- Why isn't there data on...?

## Discussion

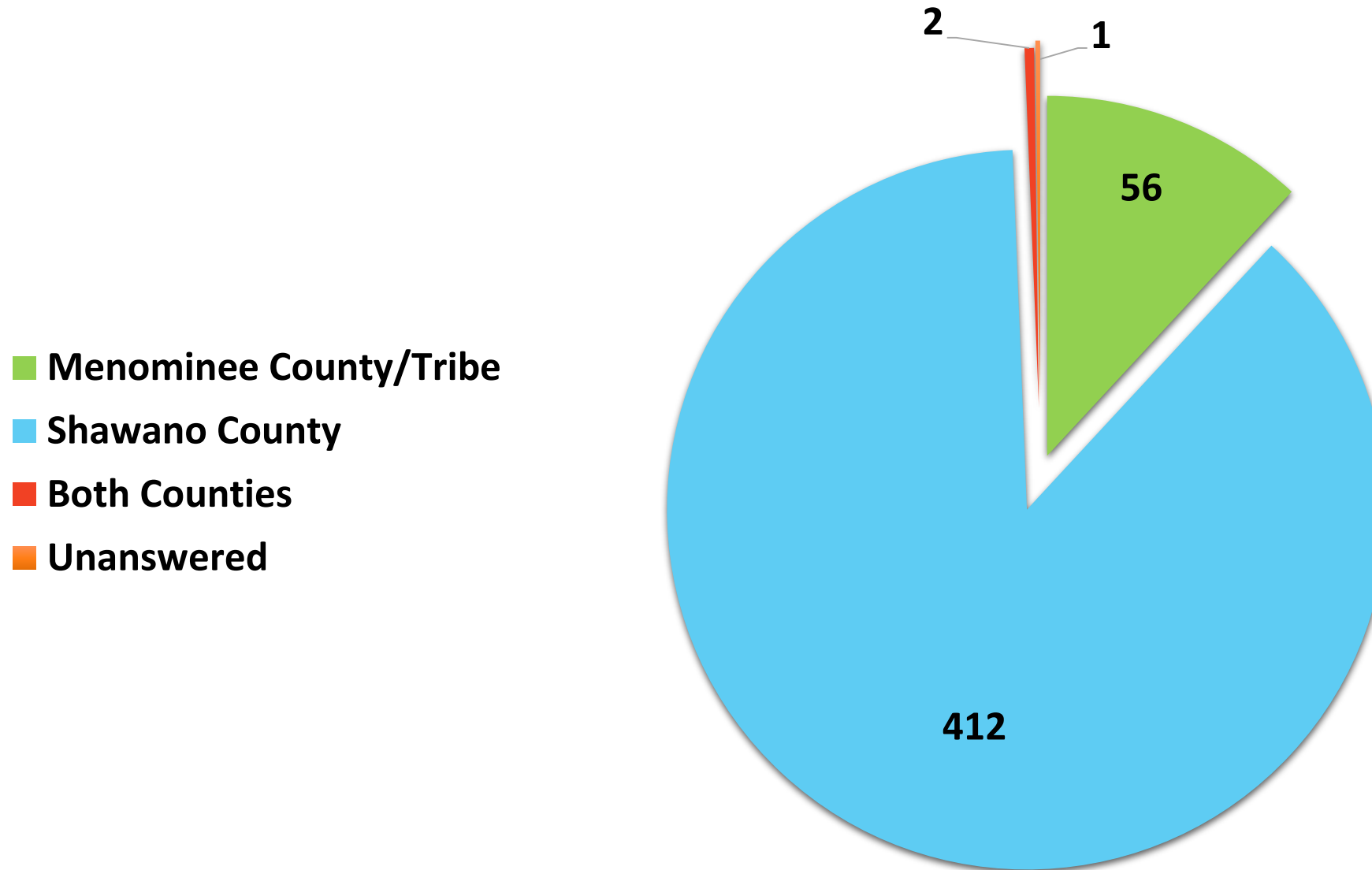
1. How does the data/information make you feel? What surprises you about the data/information?
2. Which issue(s) affects the most people and the most severely?
3. How do the survey and key informant notes relate to the issue(s)?
4. How might issues be related to each other? Should issues be grouped together?
5. Which issues have more resources and work being done? Which issues have gaps in resources or work being done?
6. What does our community think about the issues? Would the community support work on some issues more than others?

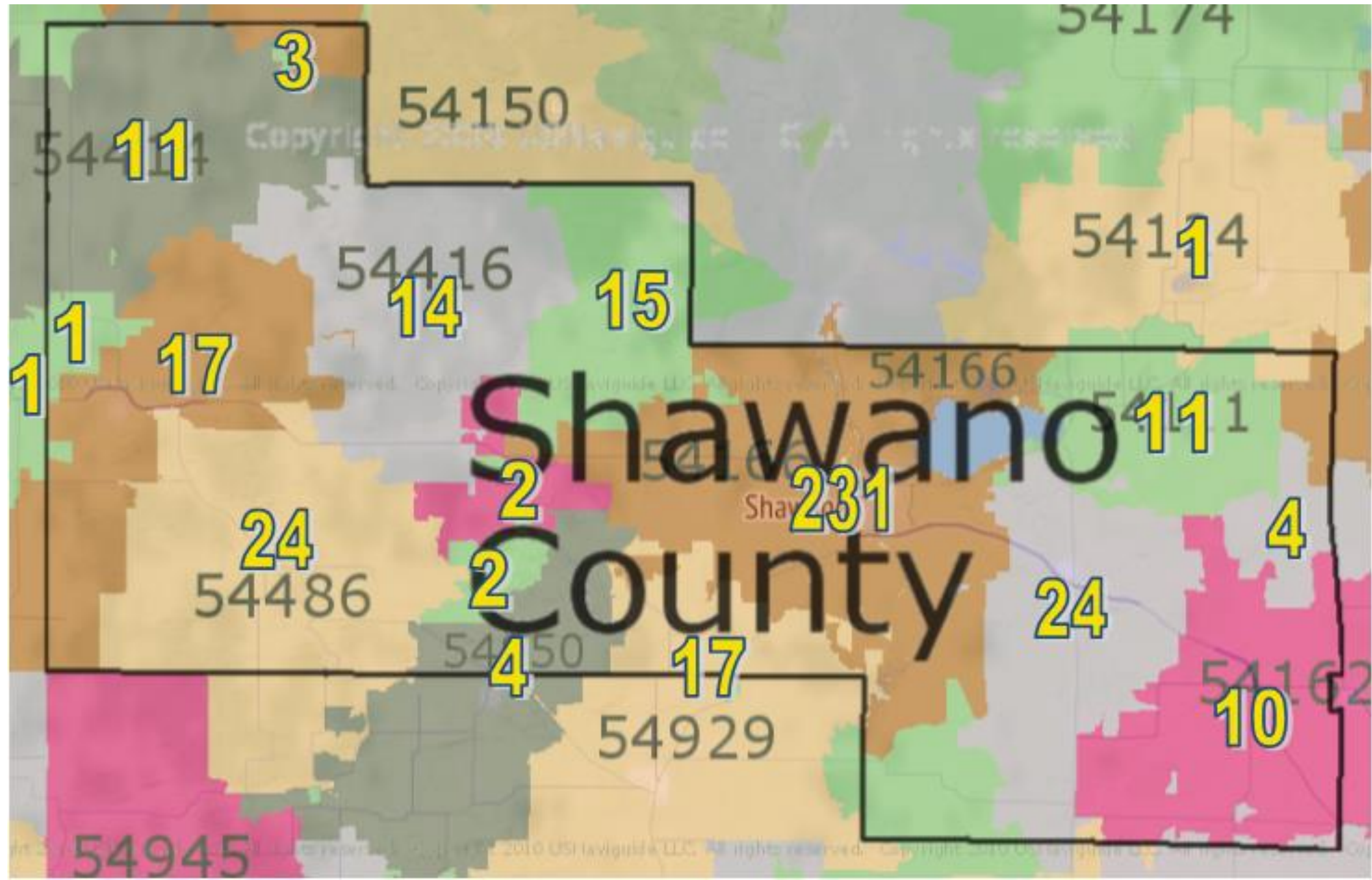
# **2019 Community Health Survey Results**

June – July 2019

**Total Responses: 471**

# Where do you live?







# Menominee County



This map shows Menominee County, Wisconsin, and its surrounding areas. The county is highlighted in a light orange color. The map includes several ZIP codes: 54150 to the west, 54135 to the northeast, 54416 to the southwest, and 54128 to the south. A yellow number '8' is located near ZIP code 54150, a yellow number '34' is near ZIP code 54135, and a yellow number '1' is near the southern border. The city of Keshena is labeled in the southeast. The map also shows various geographical features like rivers and lakes, and surrounding counties in different colors (green, grey, and brown).

8

34

1

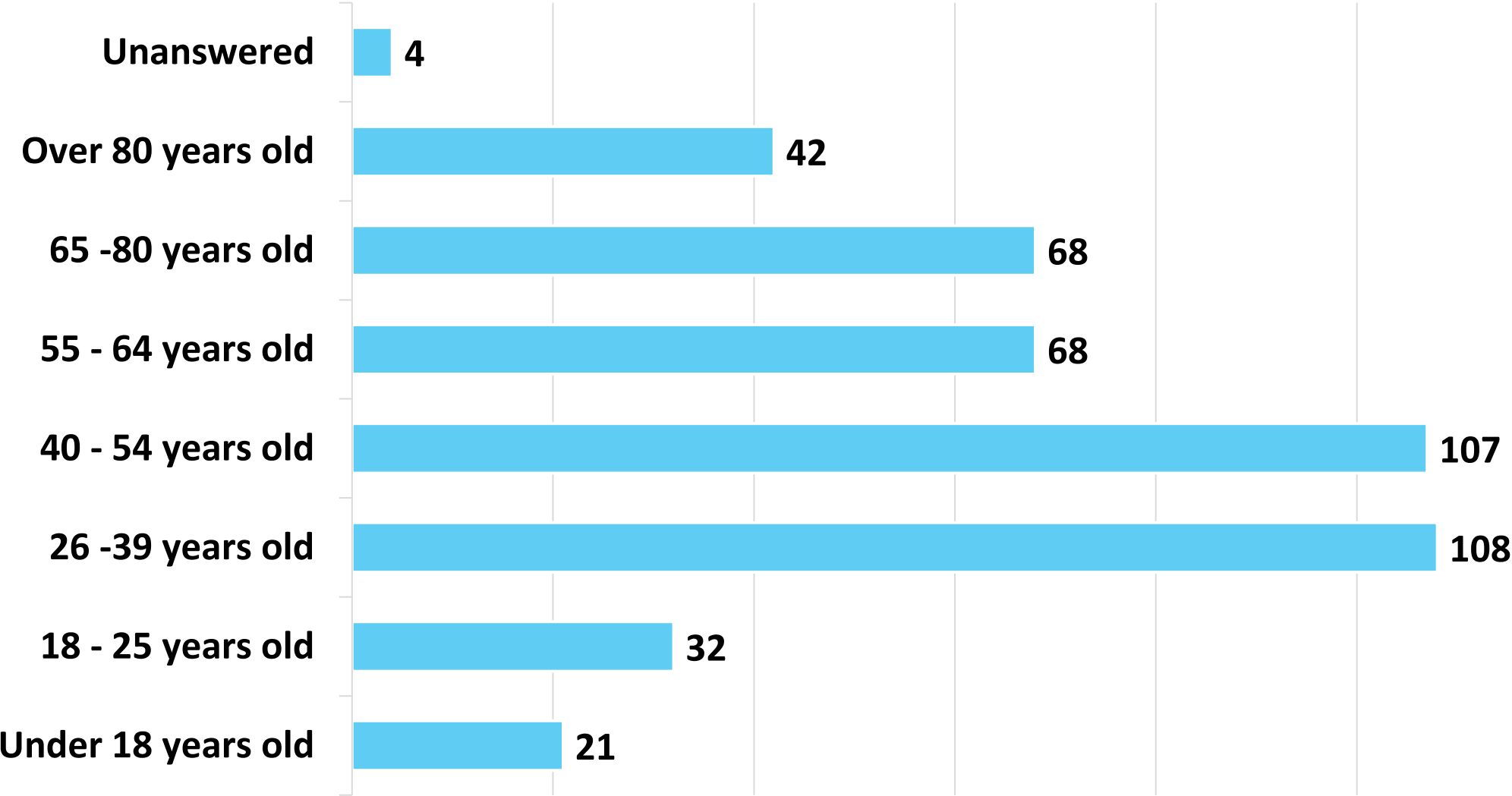
54416

54128

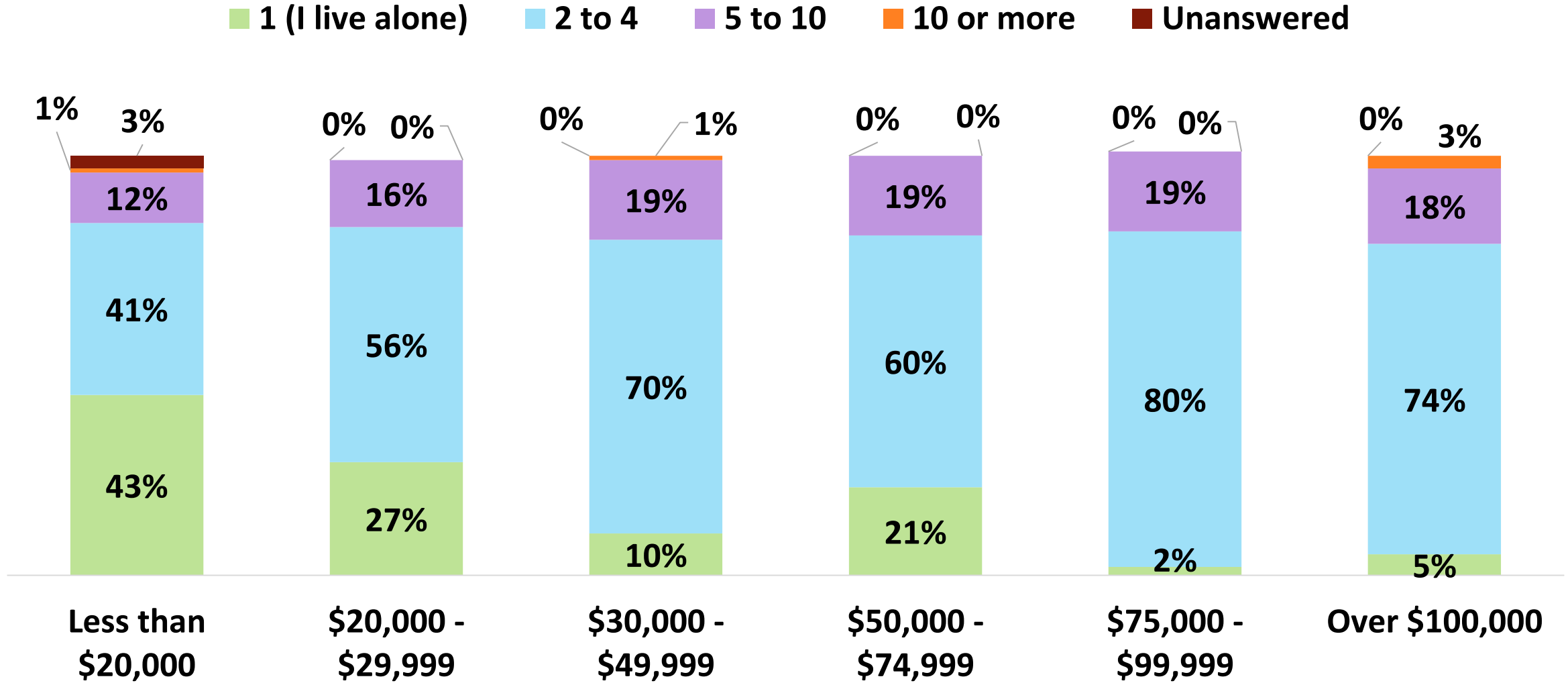
Keshena



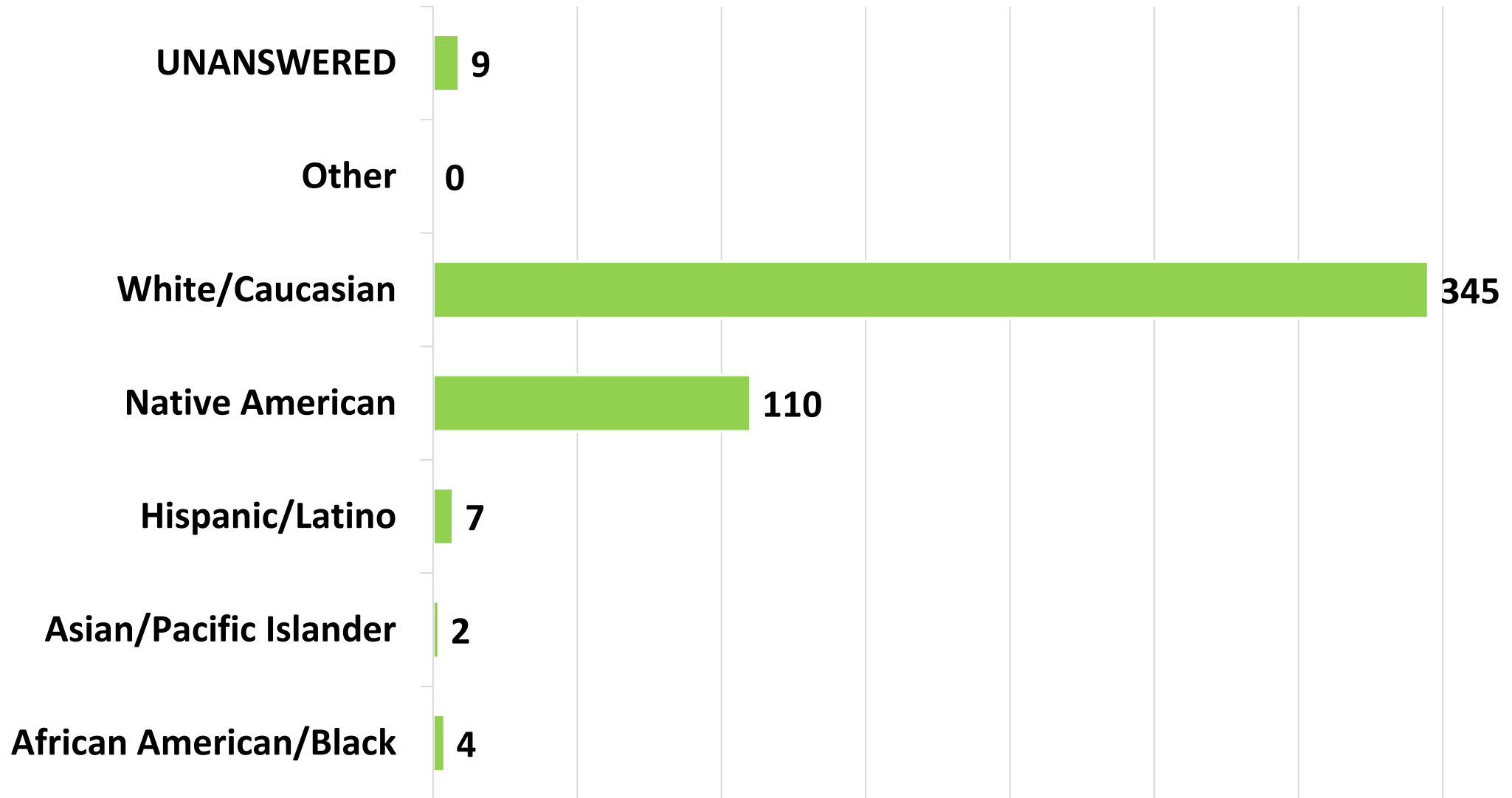
# What is your age group?



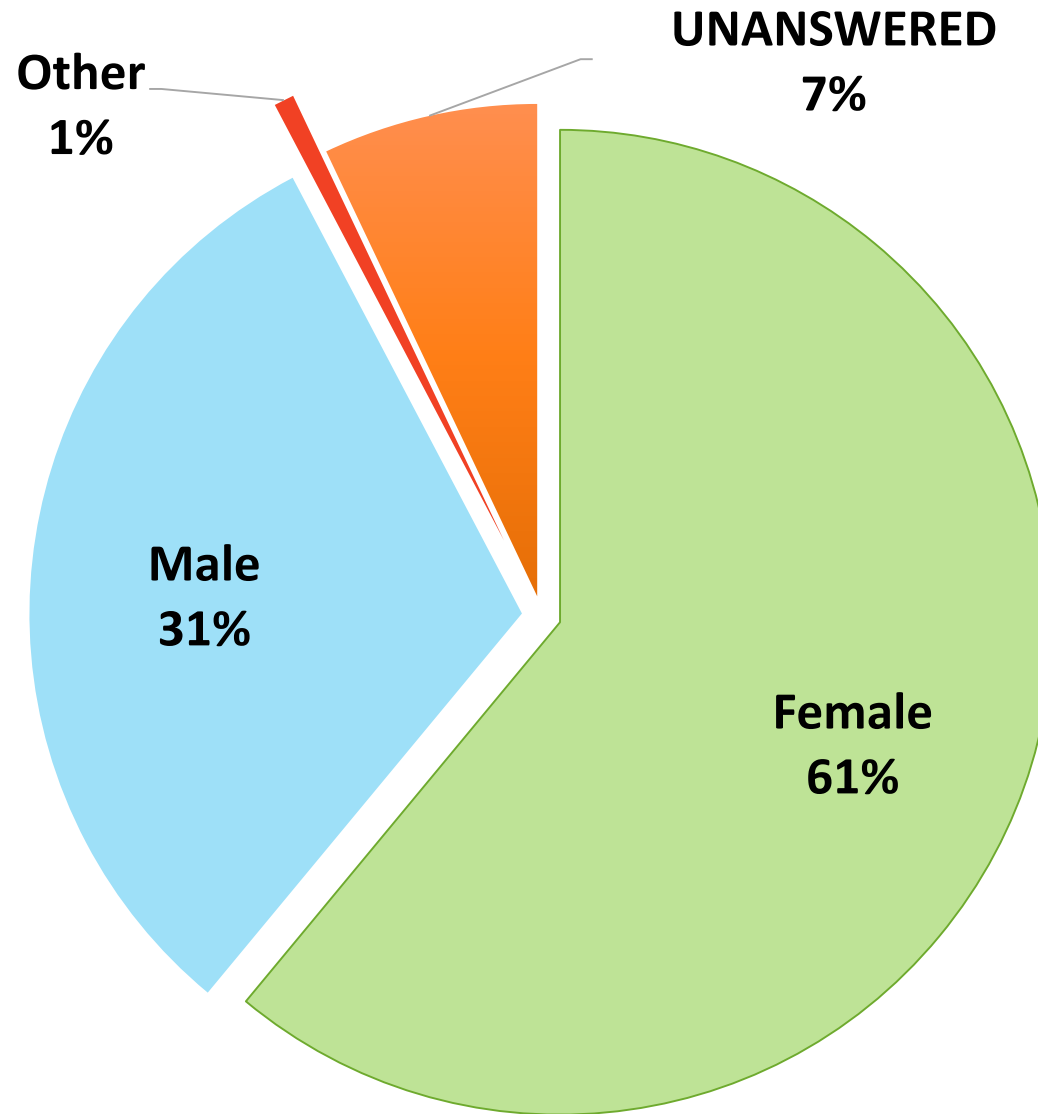
# How many people live in your household AND annual household income?



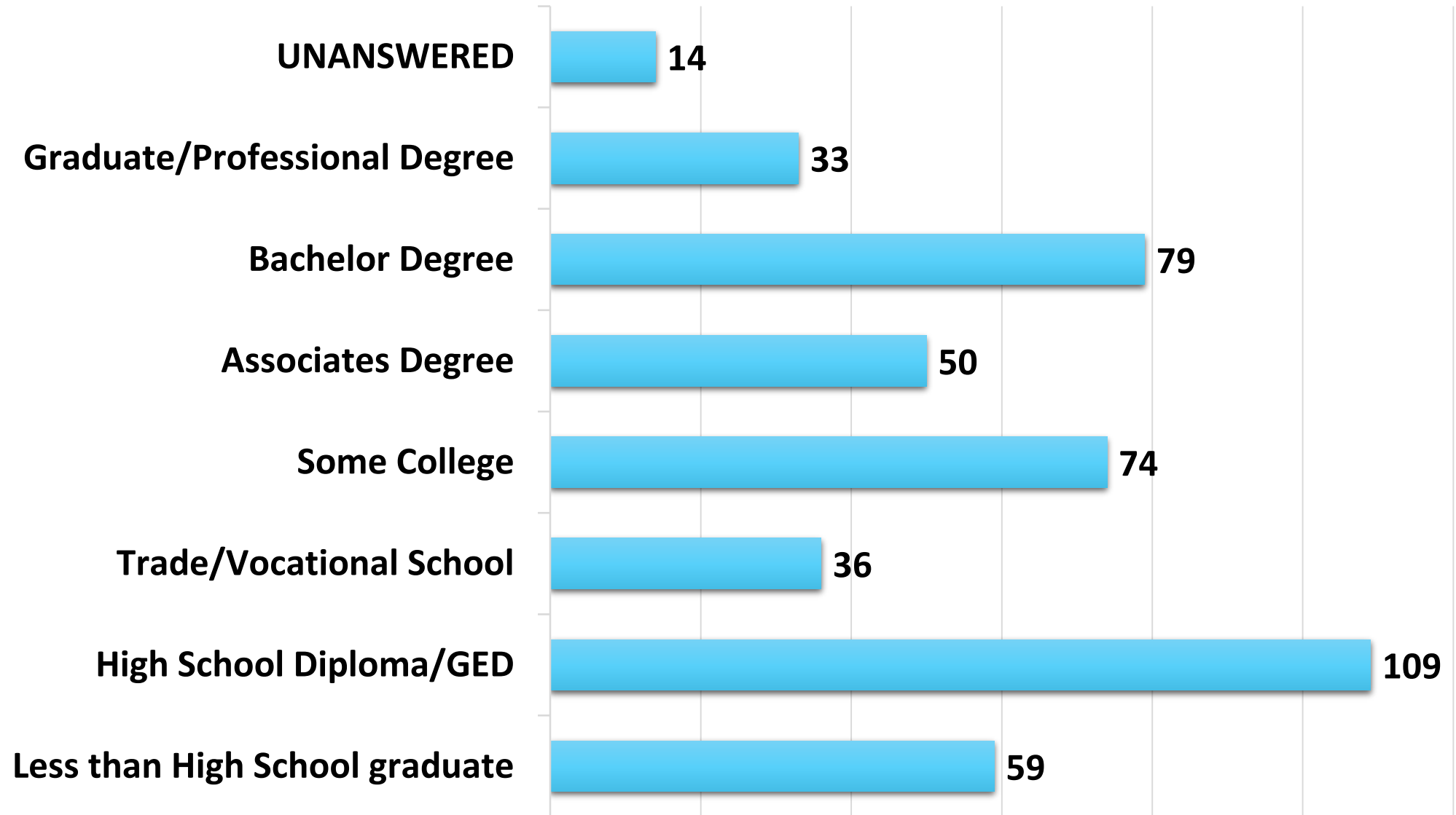
# Which of the following race(s) and/or ethnicities best describe you?



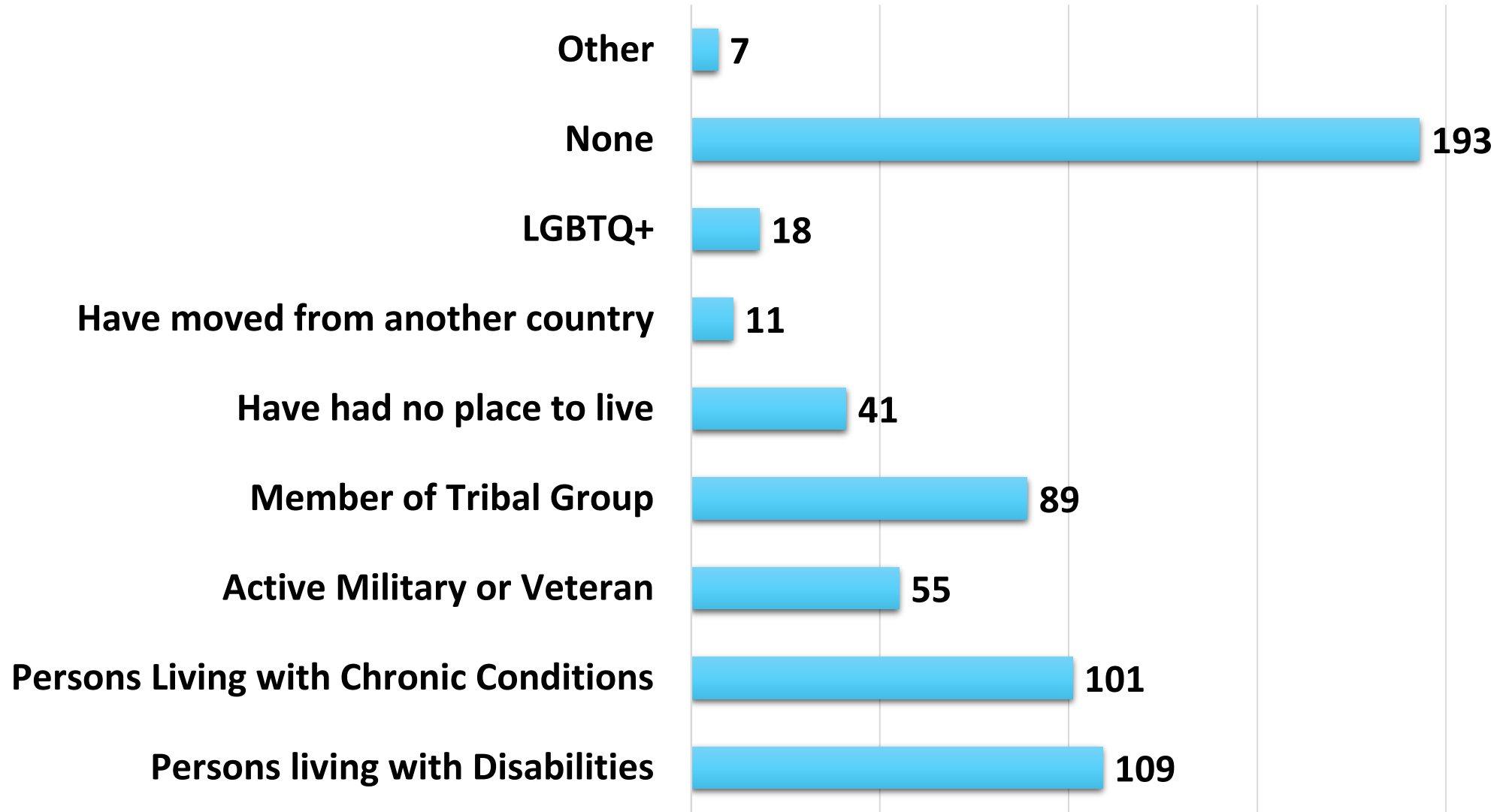
# Gender



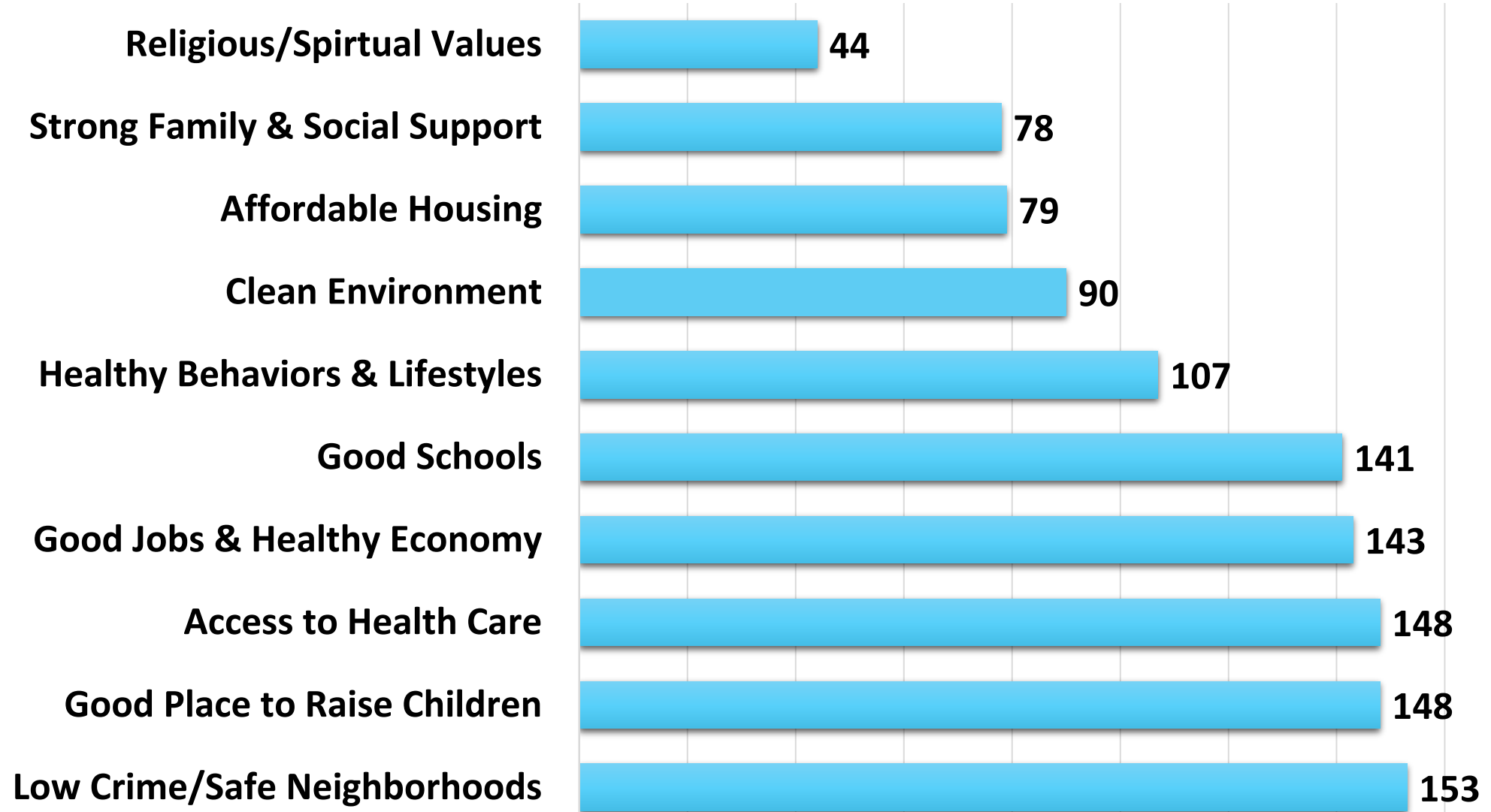
# What is your highest education level?



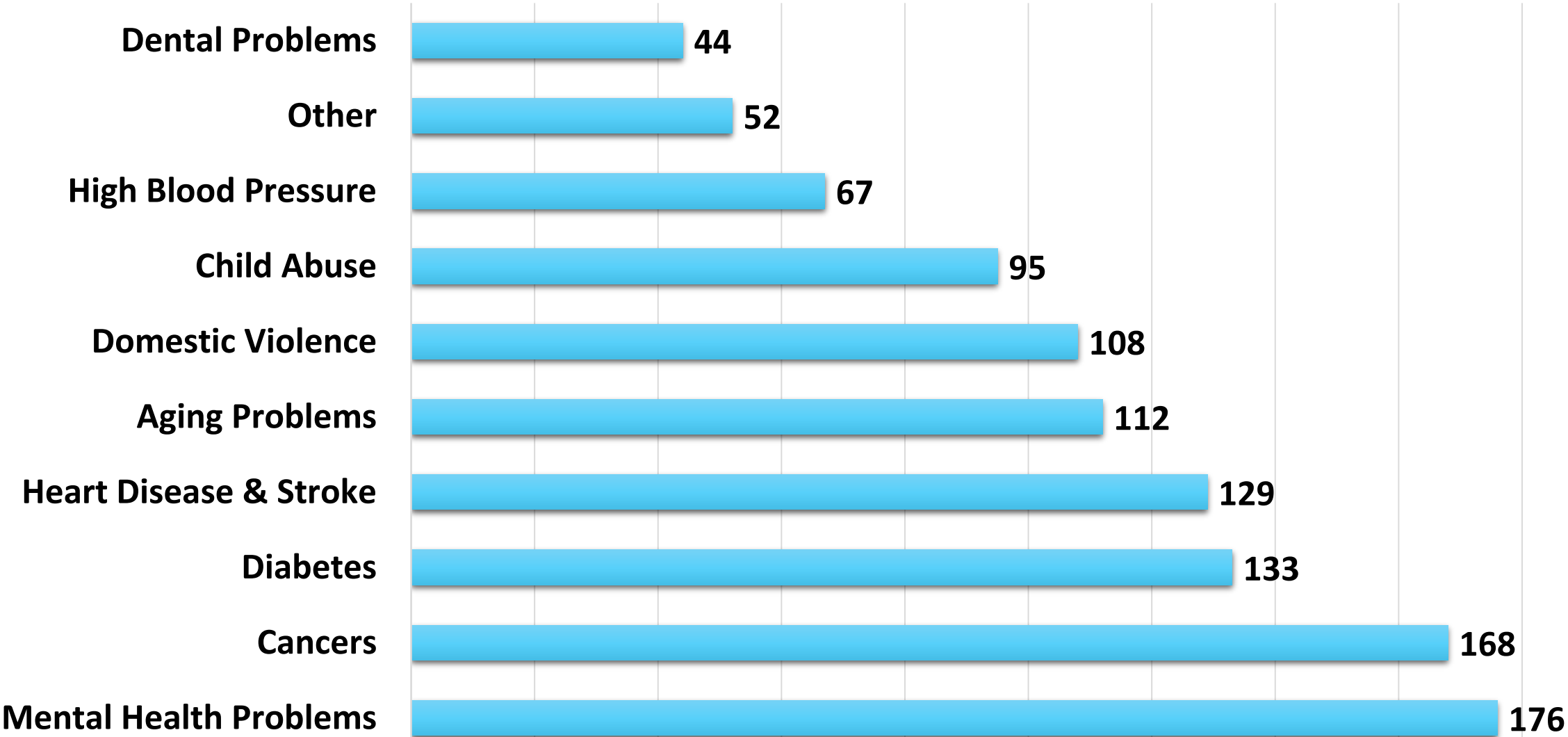
# Do you identify with any of these groups?



# What are the 3 most important factors for a healthy community?

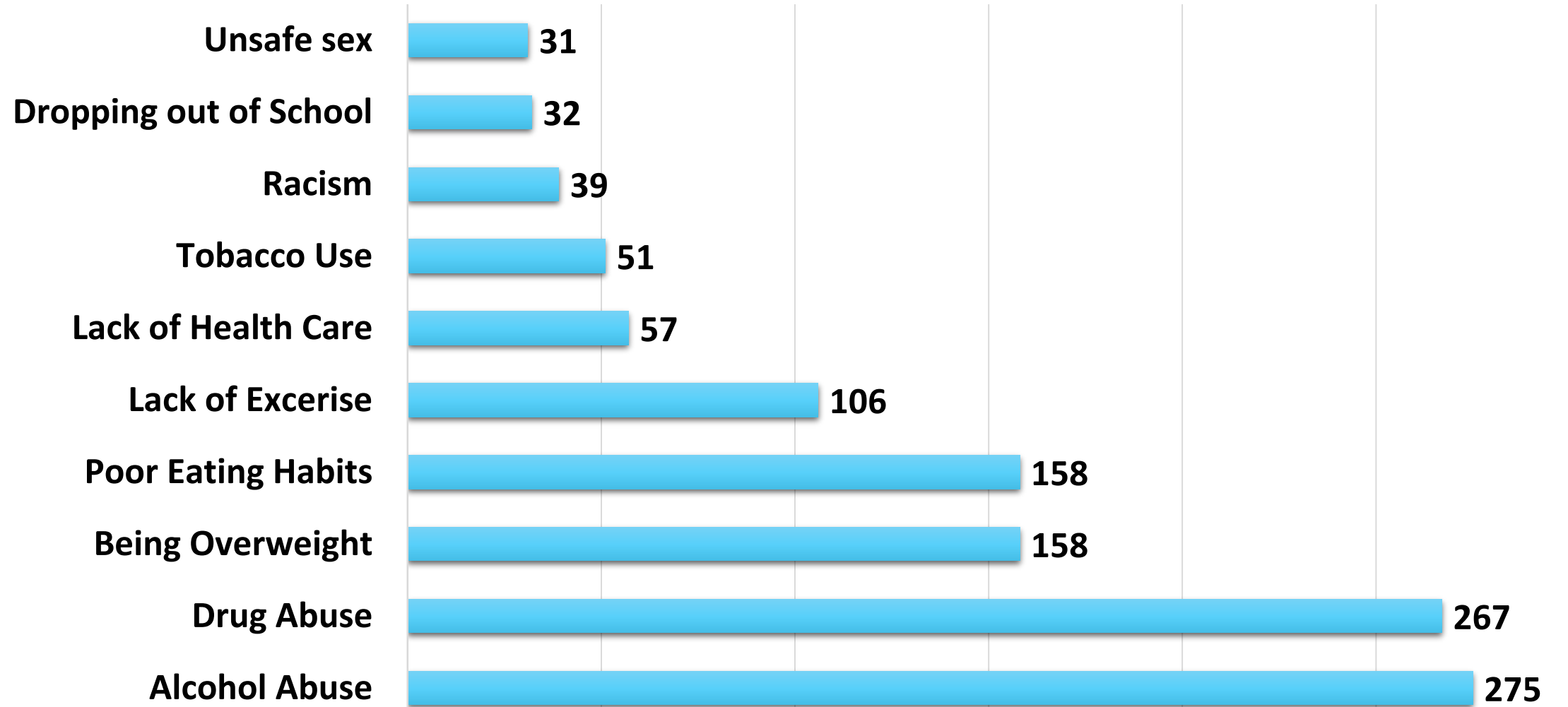


# What are the 3 most important health problems in your community?

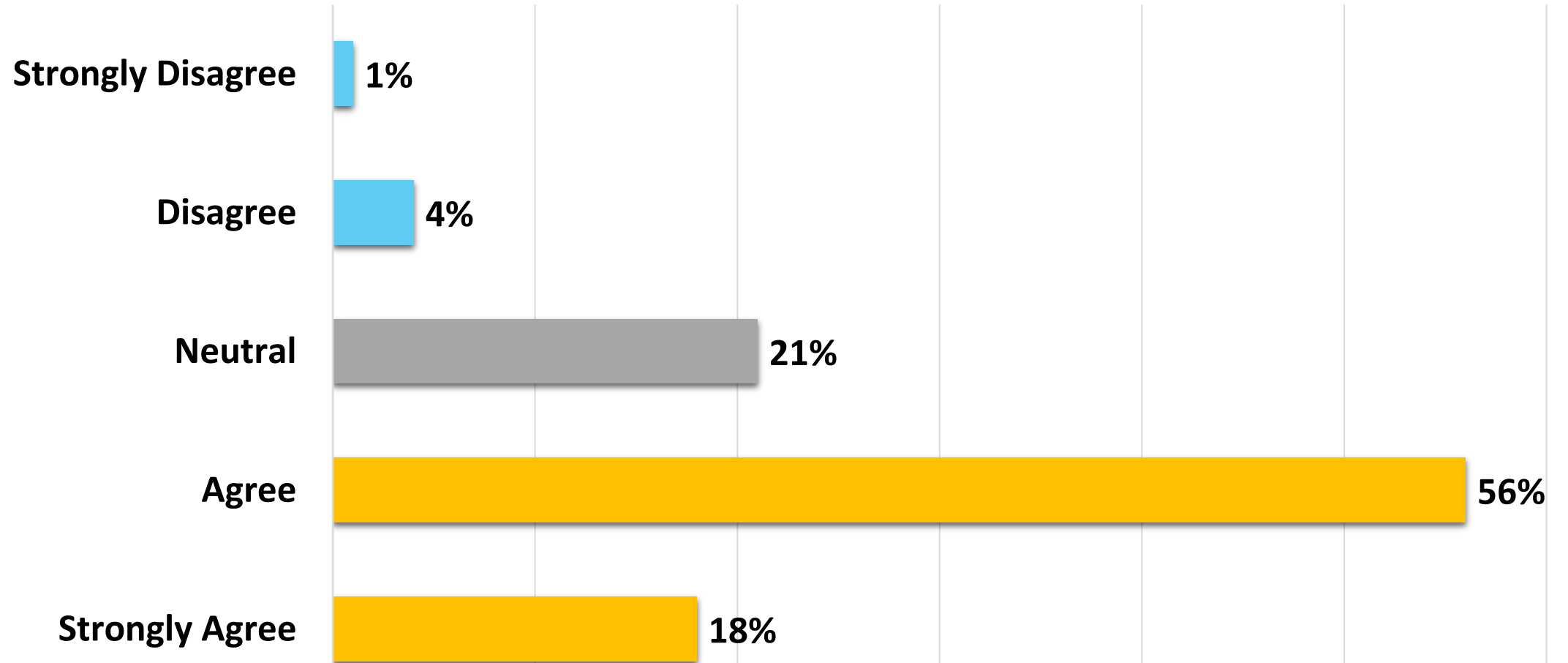




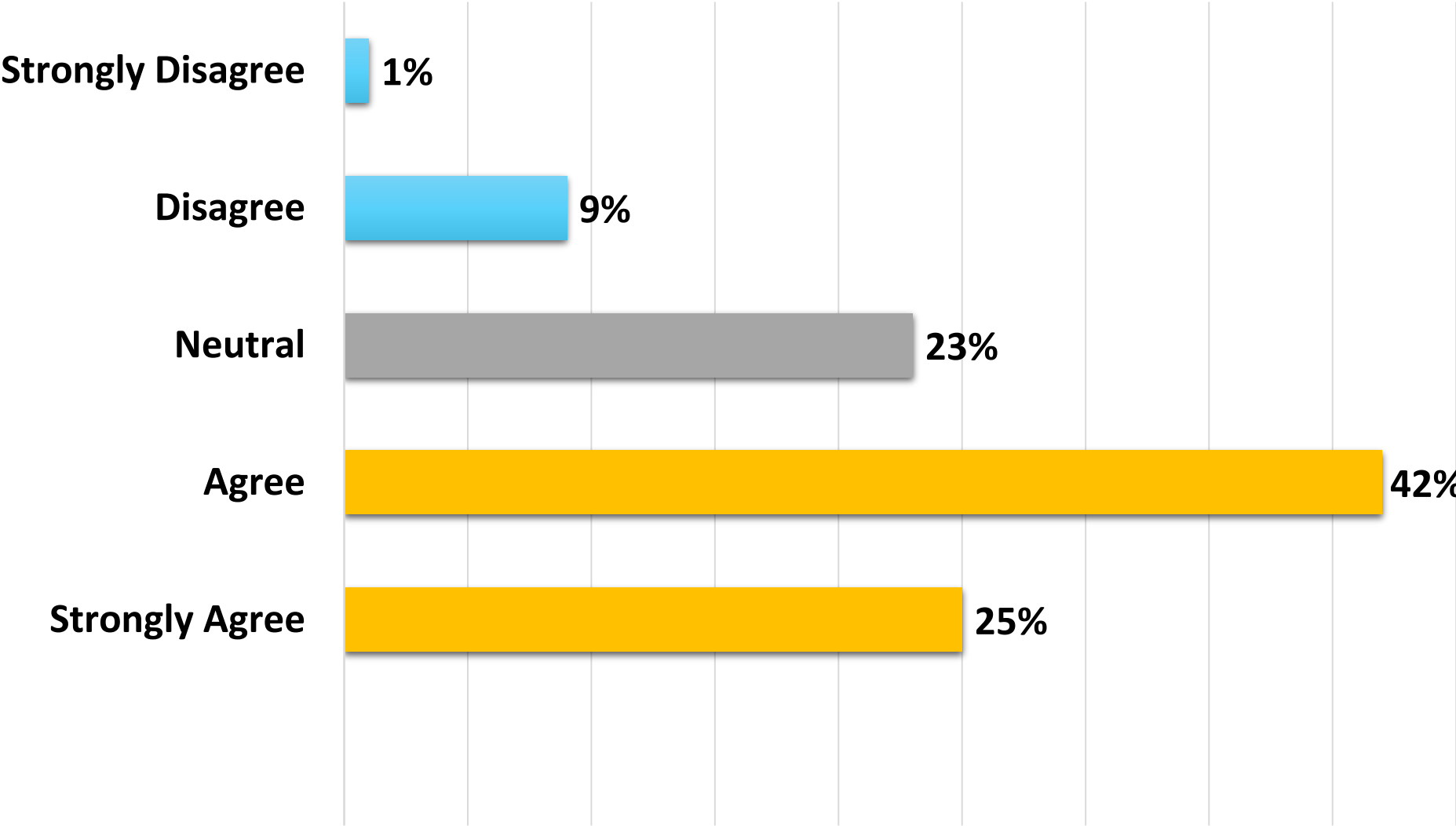
# **What are the 3 most important behaviors that have the greatest impact on health in your community?**



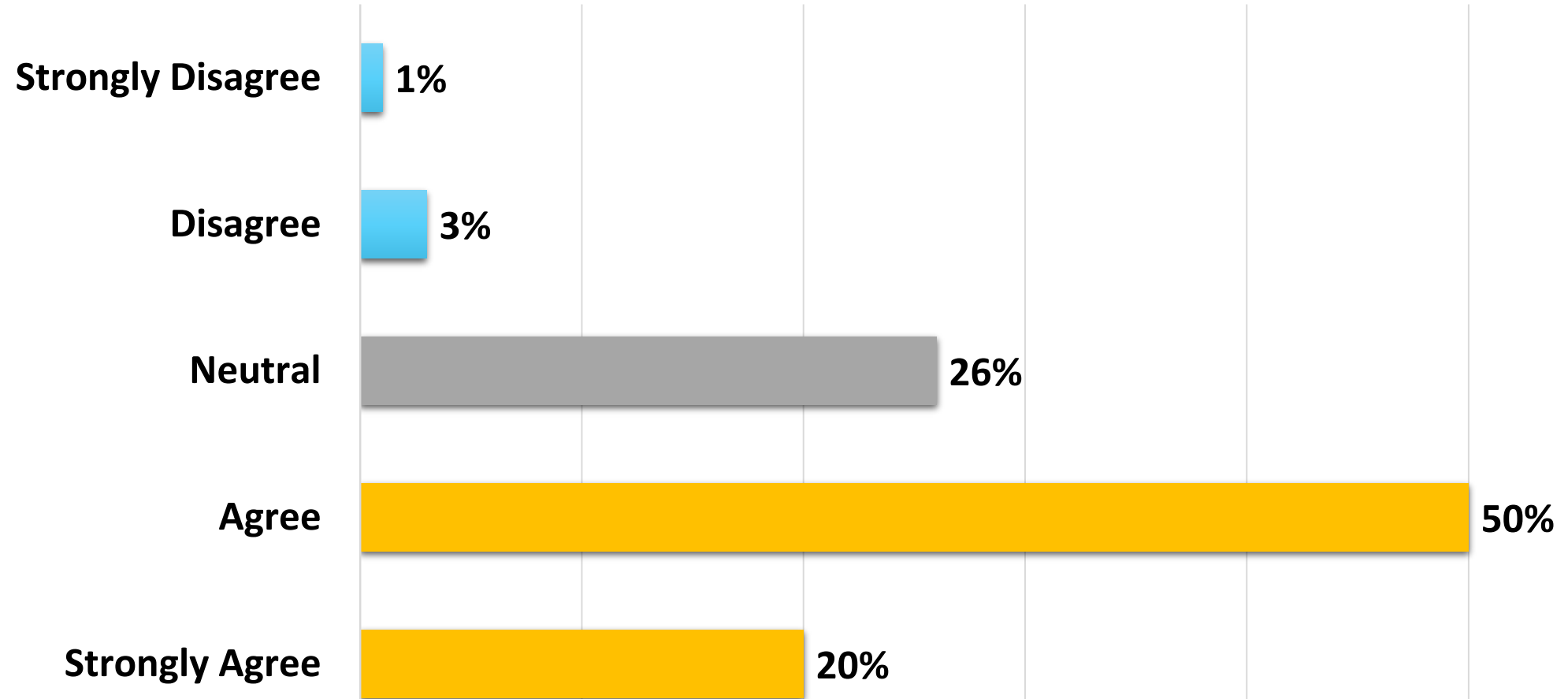
# I am happy with life in our community.



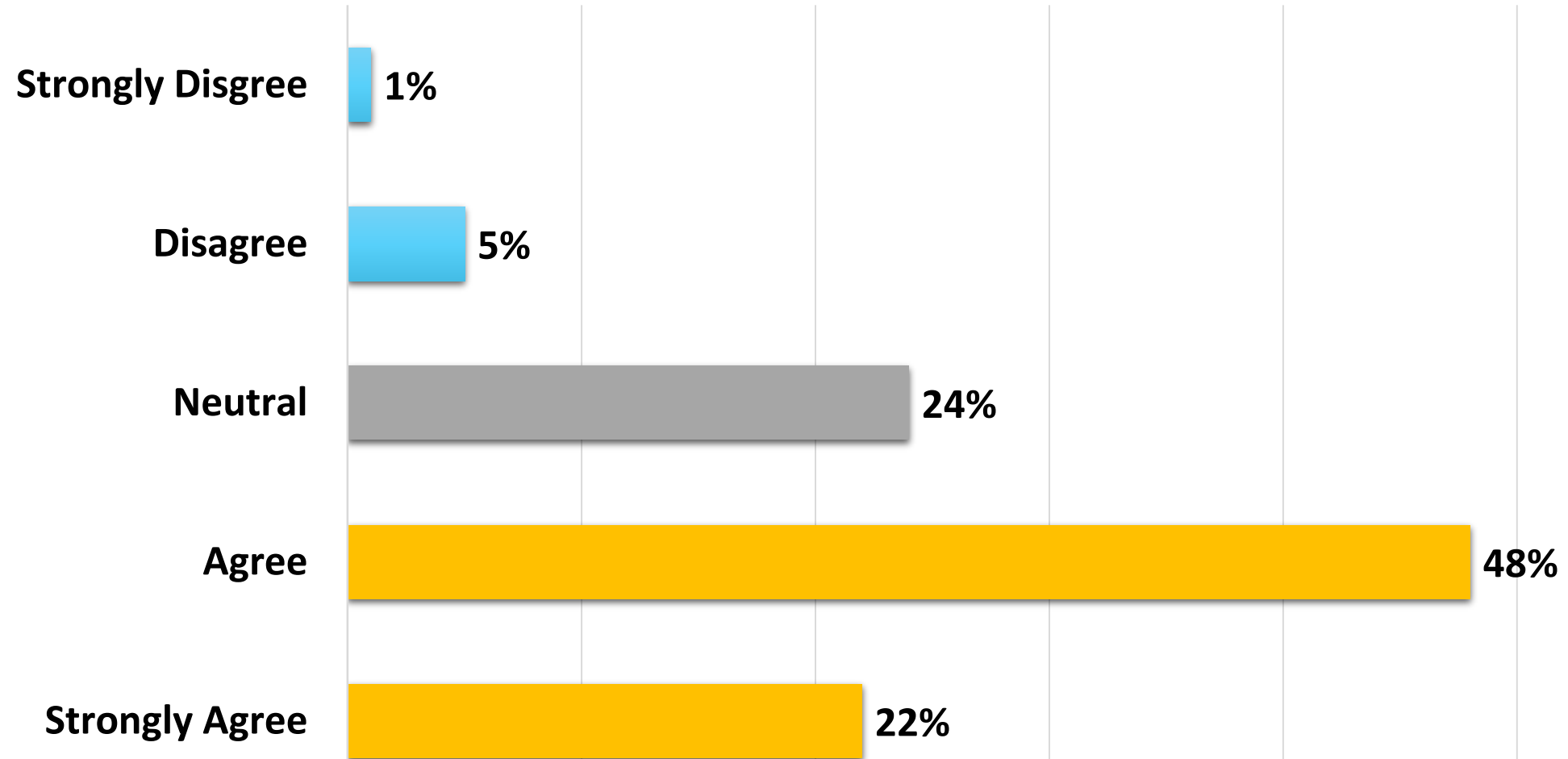
**I am able to get quality health care I can afford in our community.**



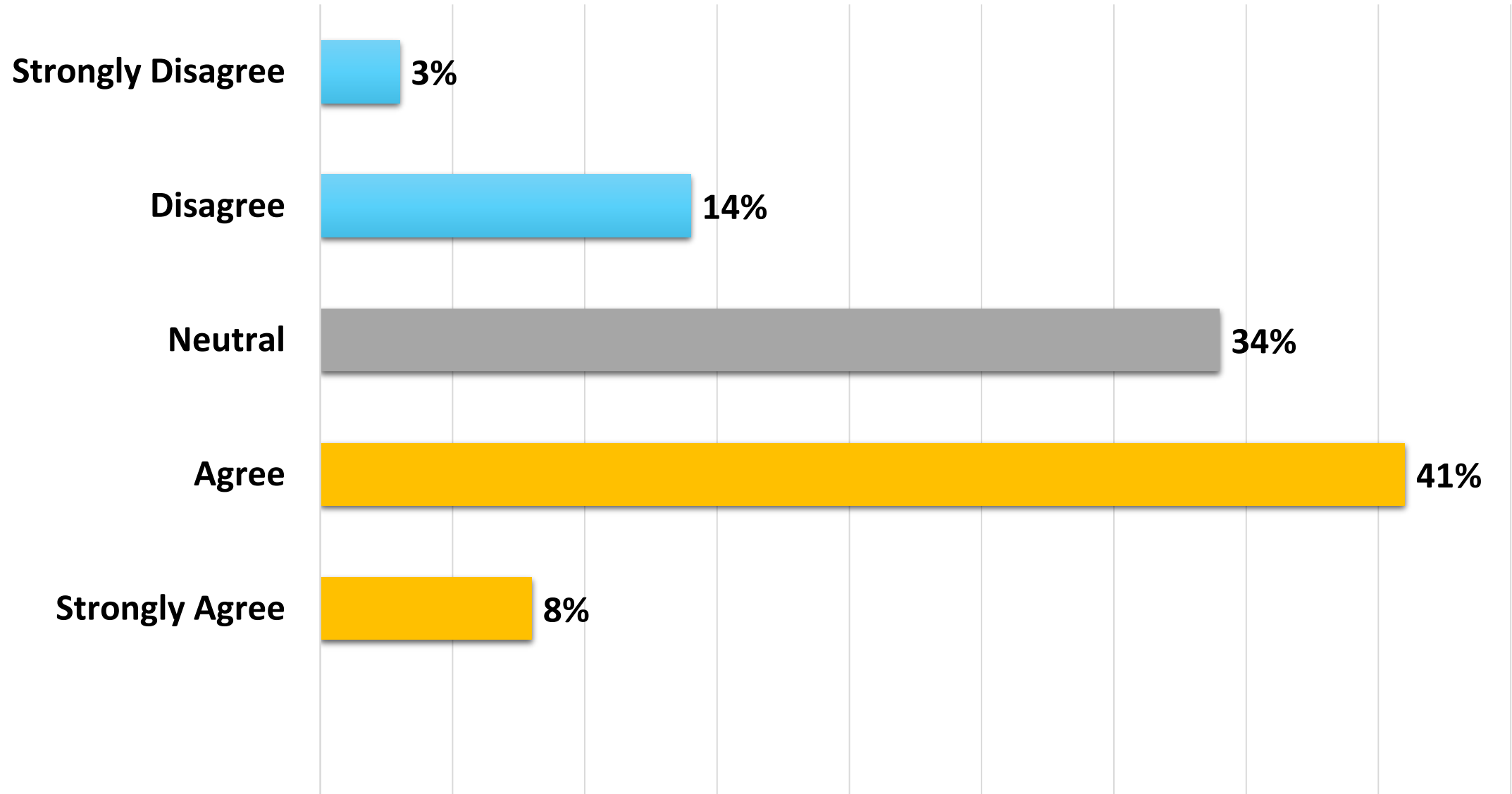
# Our community is a good place to raise children.



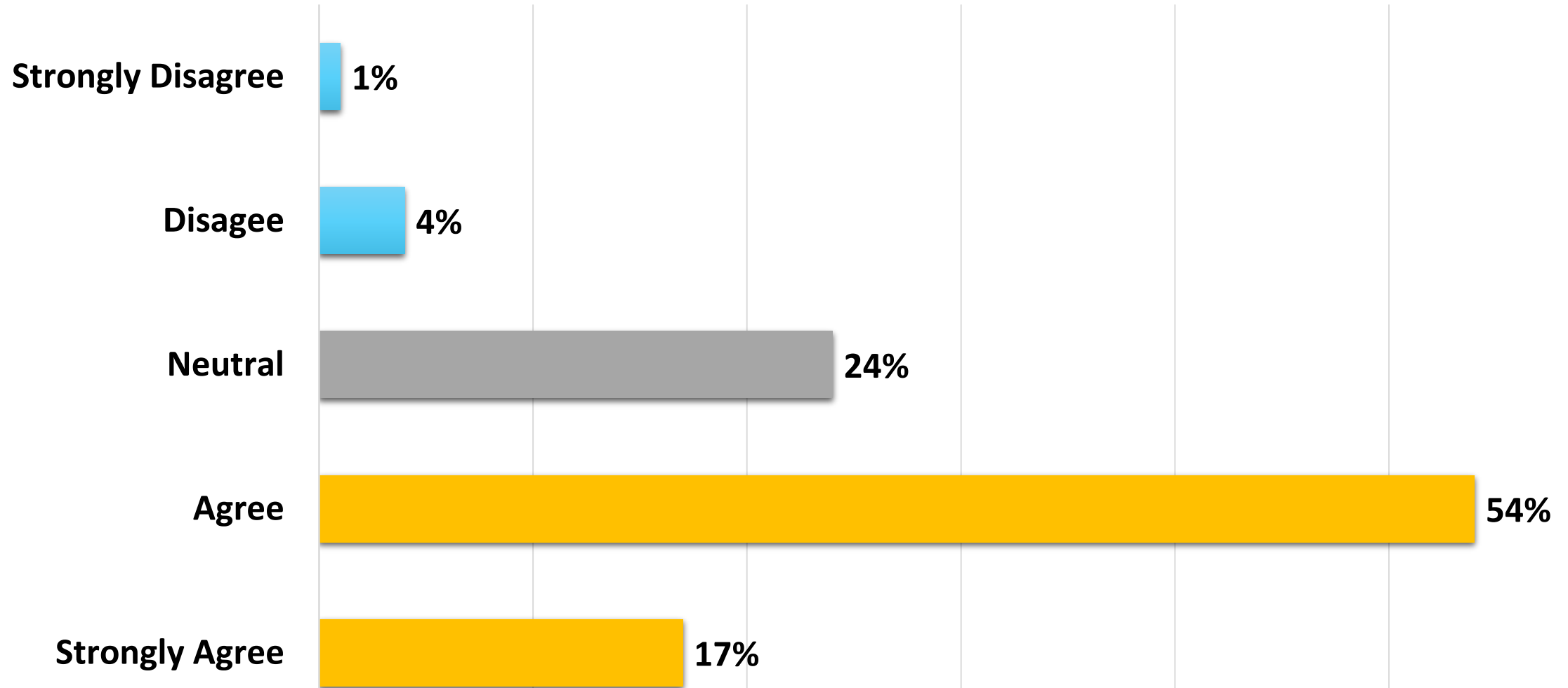
# Our community is a good place to grow old



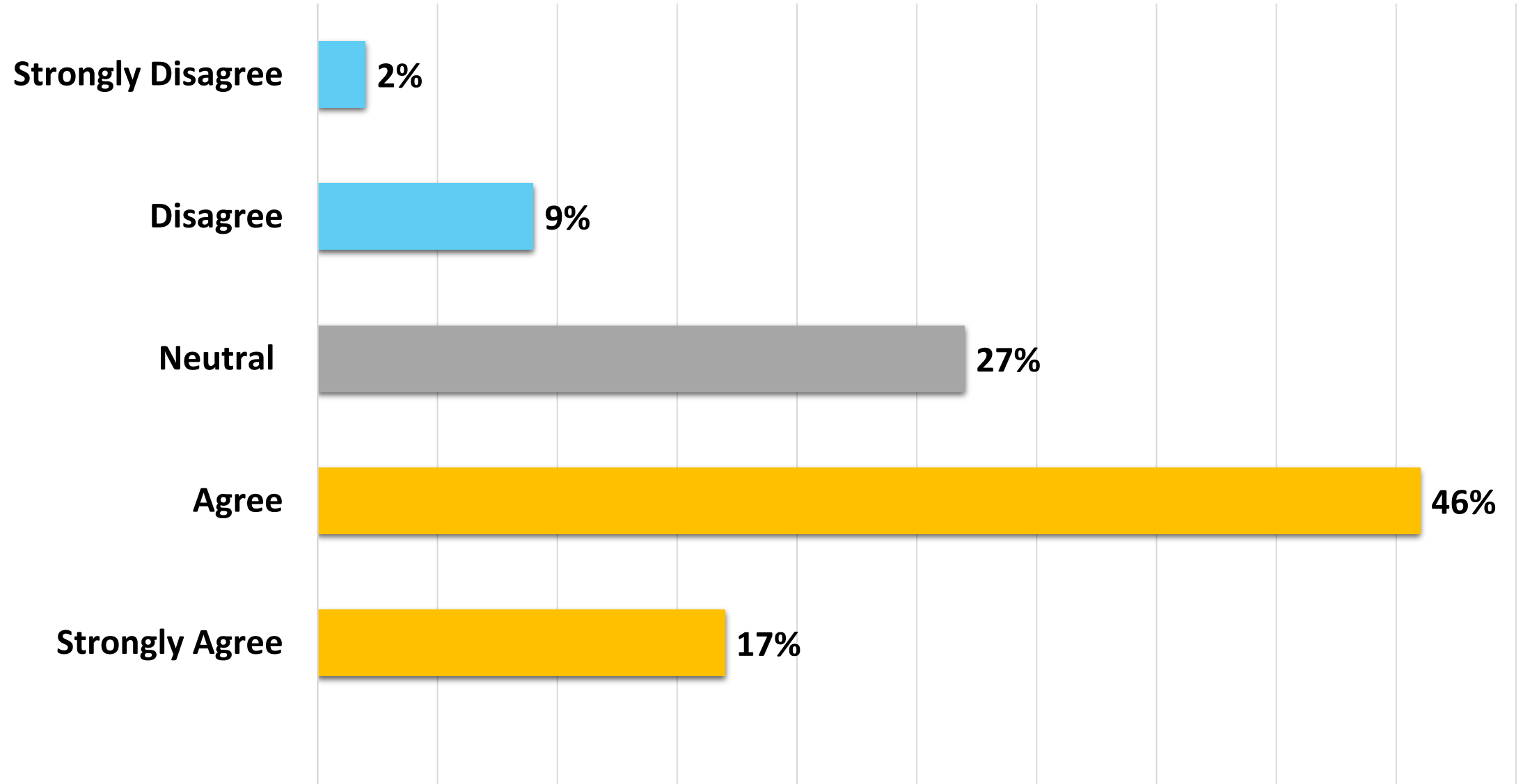
# **There are companies, good jobs, chances to learn, and low cost (but good value) housing in our community**



# **This community is a safe place to live.**



# There are people and places of support in the community





# **Shawano and Menominee County Demographics**

Vaughn Bowles – Menominee Tribal Clinic Epidemiologist

Nick Mau – SMCHD Community Health Educator

# Land Area and Population

## SHAWANO

Land Area in Square Miles  
(2010)

893.06

## SHAWANO

Population per Square Mile  
(2010)

47.0

As of July 1, 2018

Population of:

SHAWANO COUNTY

40,796



## MENOMINEE

Land Area in Square Miles  
(2010)

357.61

## MENOMINEE

Population per Square Mile  
(2010)

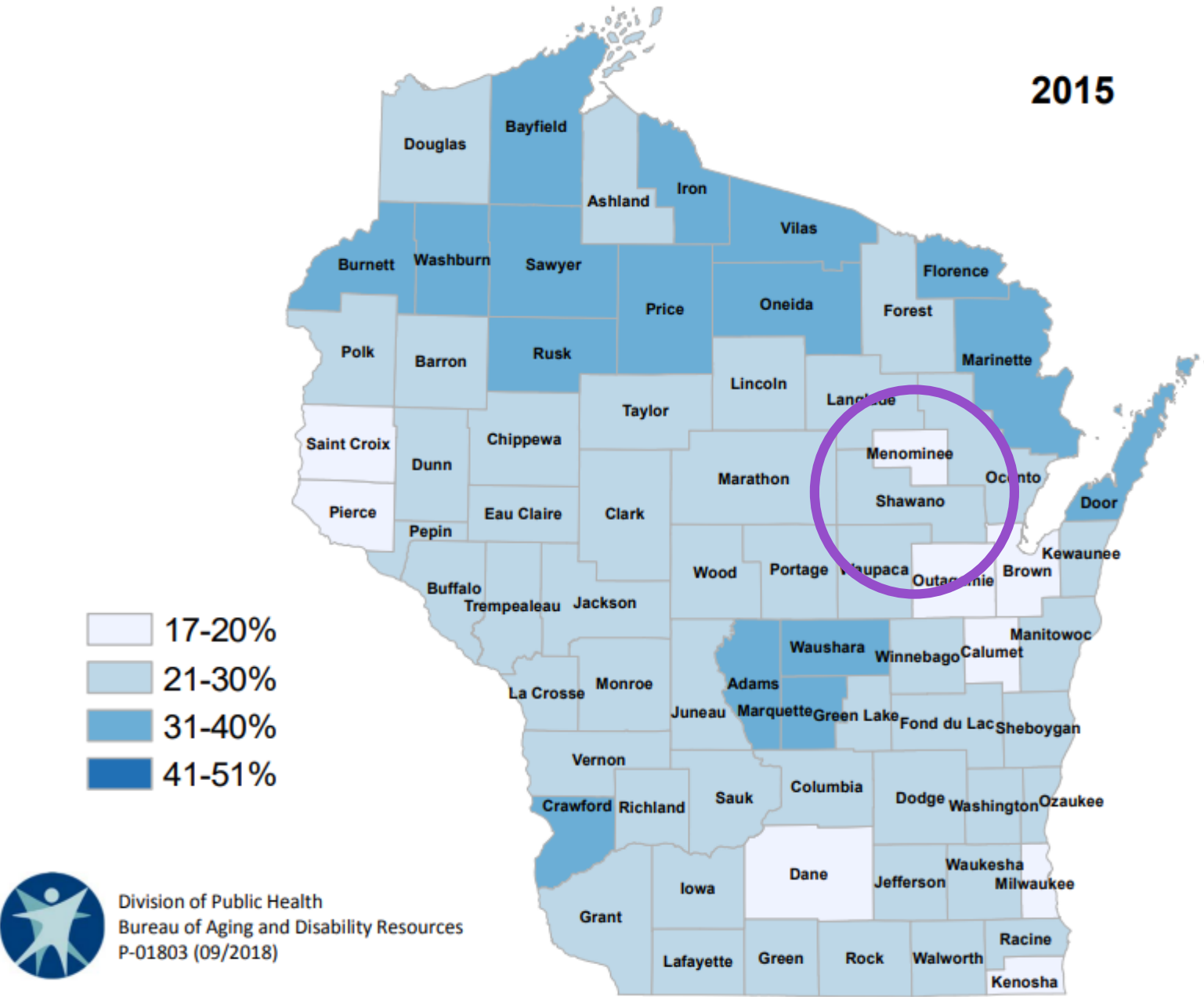
11.8

As of July 1, 2018

MENOMINEE COUNTY

4,658

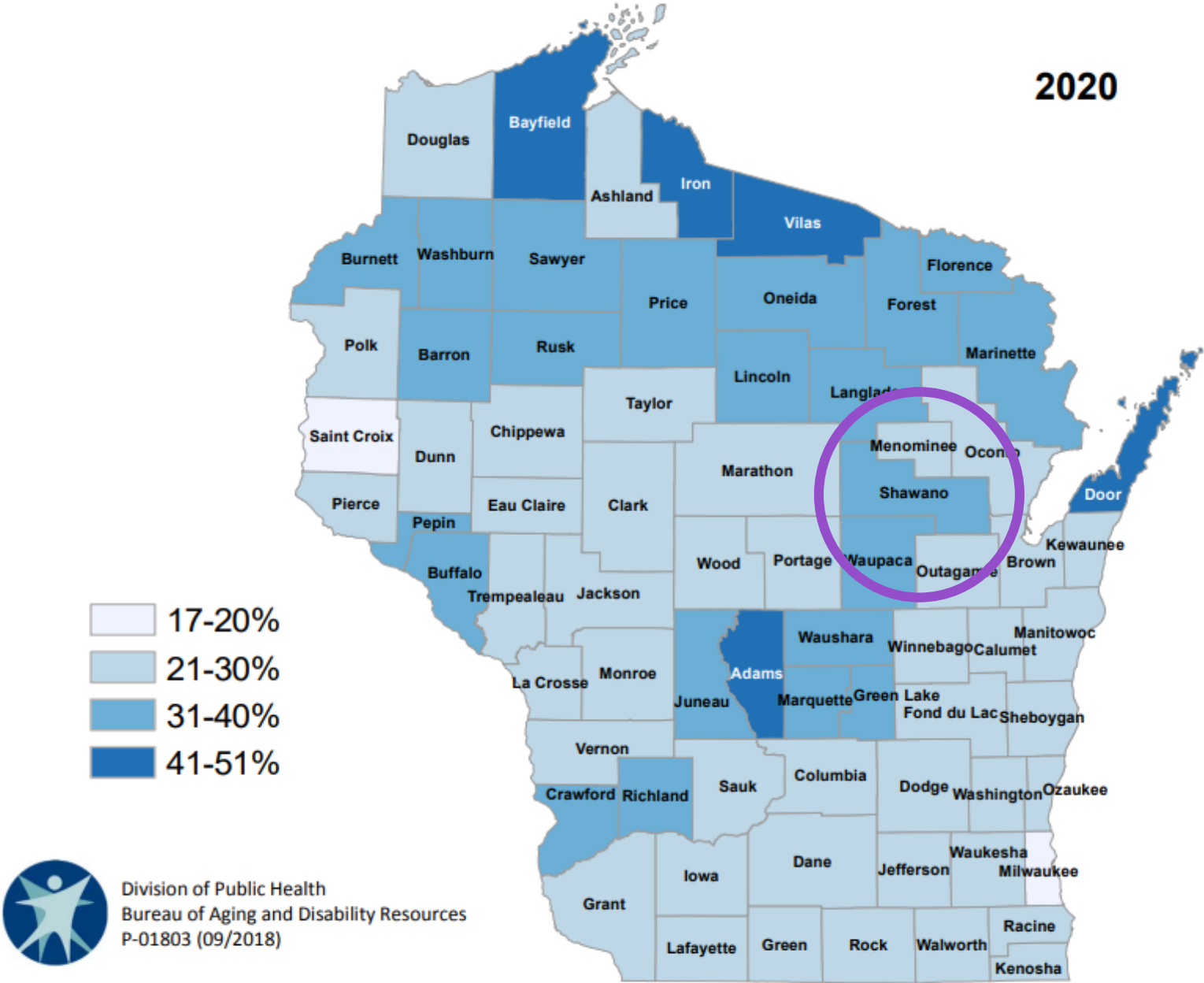
Percent of the Projected Population Ages 60 and Older, 2015-2040



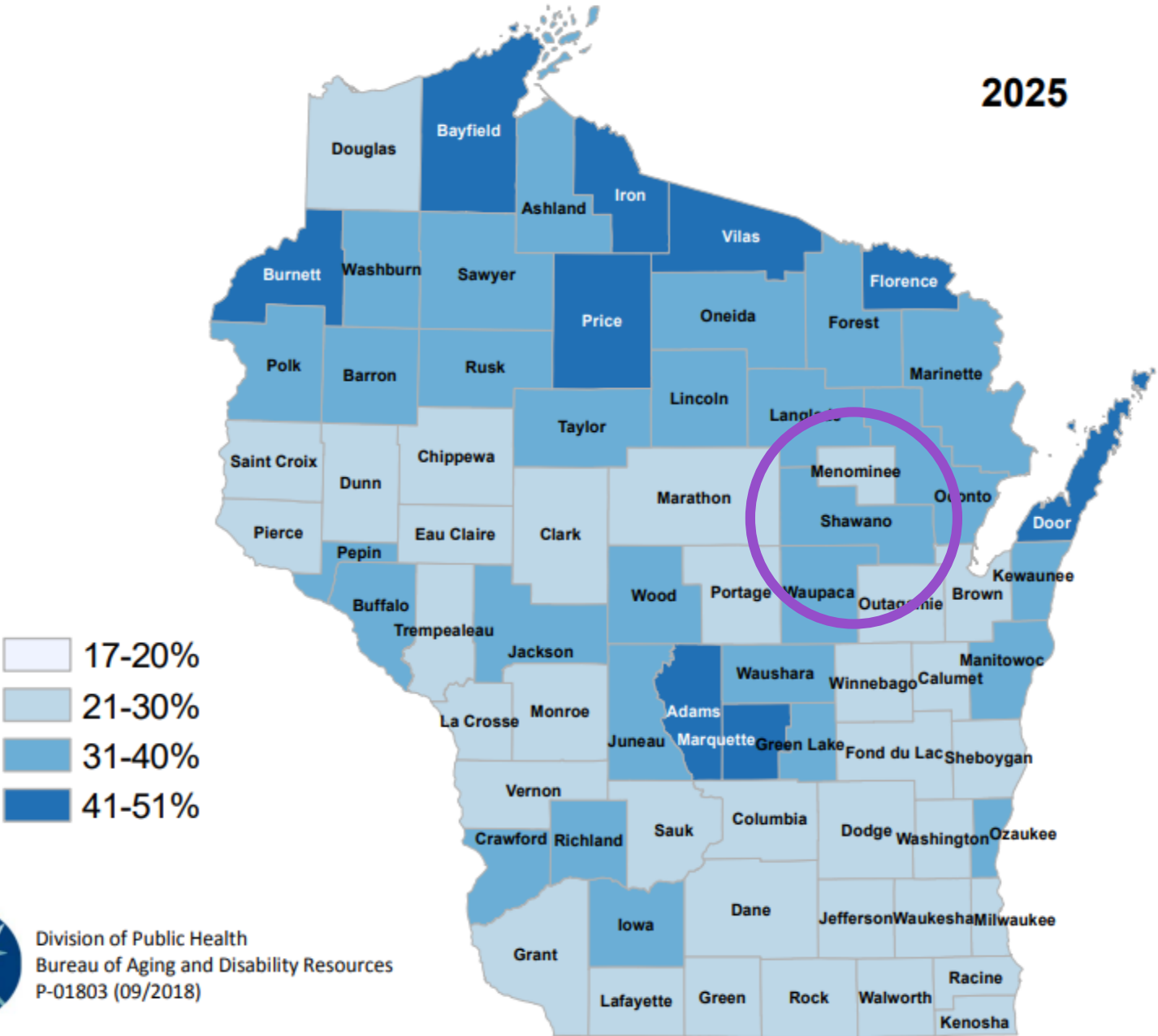
Wisconsin Department of Health Services (2013)

Source: Wisconsin Department of Administration, Demographic Services, 2010-2040 Population Projections, Vintage 2013

Percent of the Projected Population Ages 60 and Older, 2015-2040



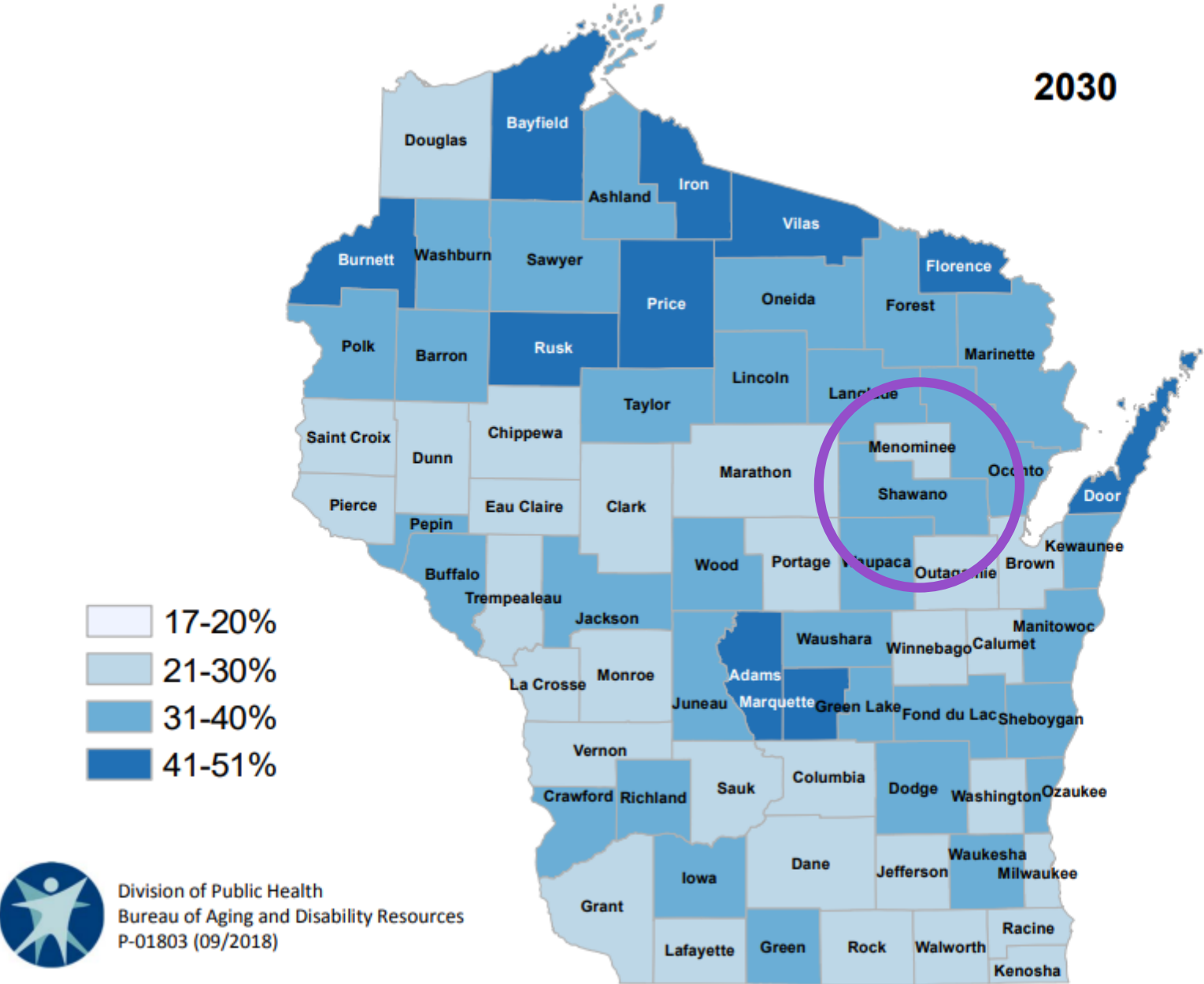
Wisconsin Department of Health Services (2013)



Wisconsin Department of Health Services (2013)

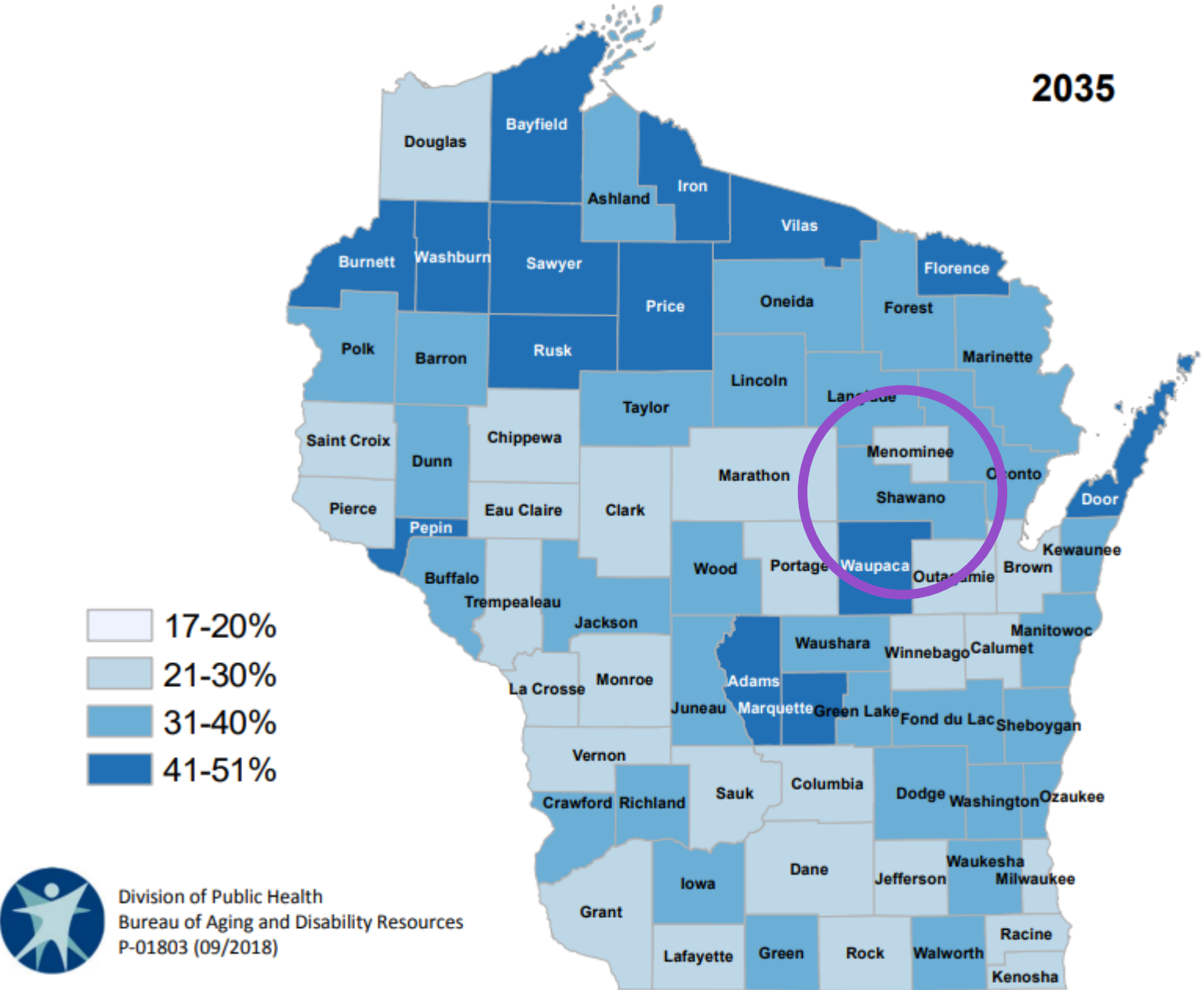


Division of Public Health  
Bureau of Aging and Disability Resources  
P-01803 (09/2018)

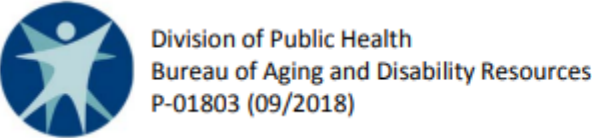


Wisconsin Department of Health Services (2013)

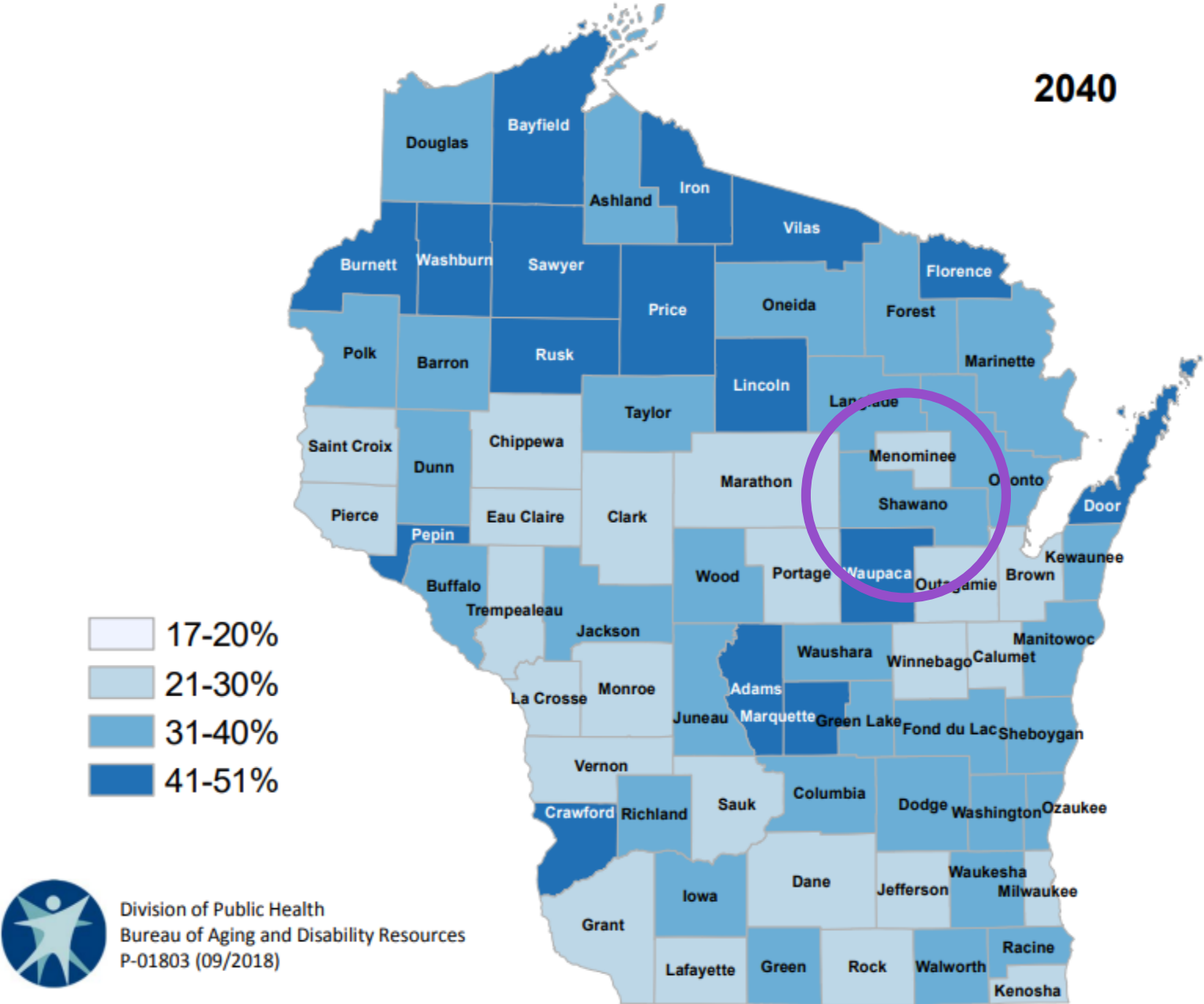
Percent of the Projected Population Ages 60 and Older, 2015-2040



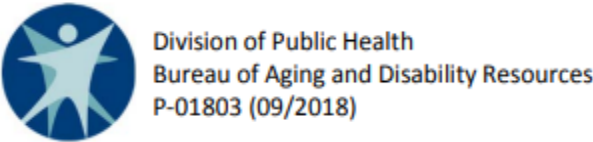
Wisconsin Department of Health Services (2013)







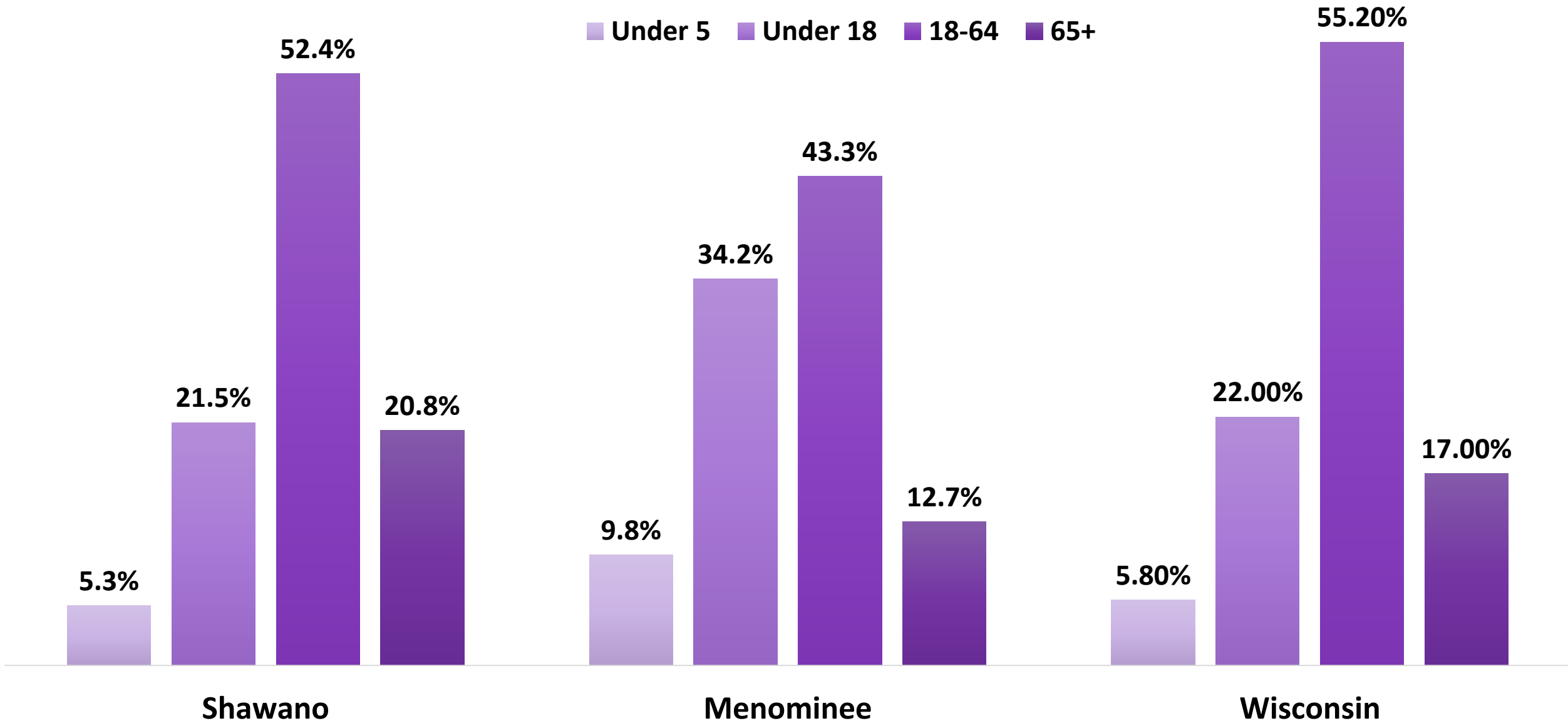
Wisconsin Department of Health Services (2013)





# Age Characteristics

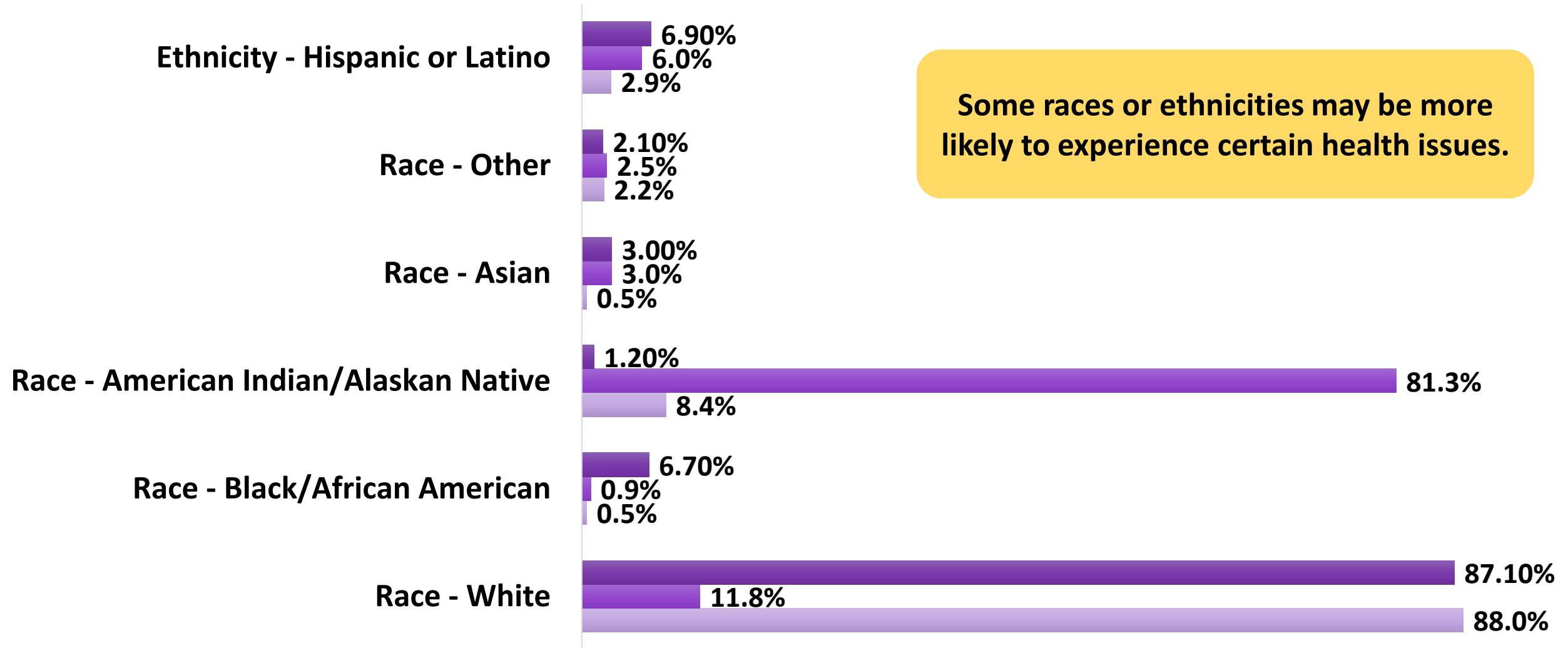
## Shawano County, Menominee County, Wisconsin (2017)



# Race and Ethnicity

## Shawano County, Menominee County, Wisconsin (2017)

■ Wisconsin ■ Menominee ■ Shawano



# Other Populations

## Number of Veterans (2013-2017)

Shawano	Menominee	Wisconsin
3012 (7% of Population)	284 (7% of Population)	350,330 (6% of Population)

## Percent of Persons Foreign Born (2013-2017)

Shawano	Menominee	Wisconsin
1.3%	0.9%	4.9%

## Amish Population in Shawano County (2019)

143 Amish Families are in Shawano County

## Jail Population in Shawano County (2018)

Shawano County Jail		
2510 Custody Bookings (6% of Population)	68% Male; 32% Female	40% Age 17-29

# Disabilities

Number of of Persons Aged 18-64 with a Disability (2011-2015)

Shawano	Menominee	Wisconsin
2,104	274	341,121

Percent of of Persons Aged 18-64 with a Disability (2011-2015)

Shawano	Menominee	Wisconsin
8.7%	11.5%	9.6%

Number of Persons Aged 65 and Older with a Disability (2011-2015)

Shawano	Menominee	Wisconsin
2,448	235	263,372

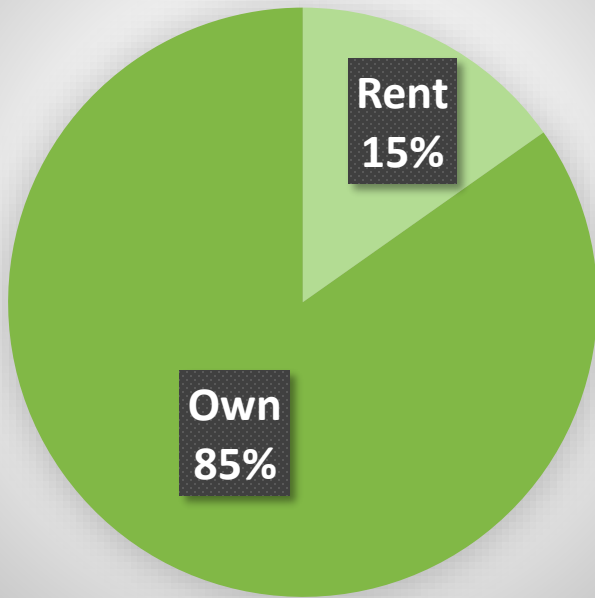
Percent of Persons Aged 65 and Older with a Disability (2011-2015)

Shawano	Menominee	Wisconsin
31.5%	39.1%	32.2%

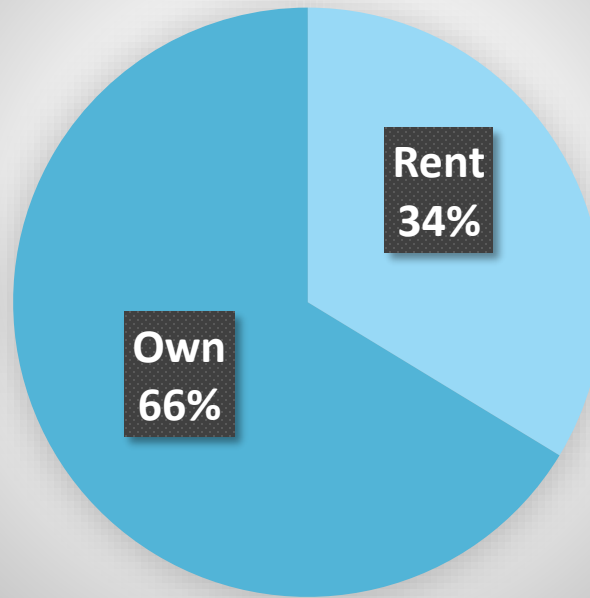
# Rent and Owner Occupied Housing

Percentages do not include individuals with rent instability, “couch surfing”, or homelessness.

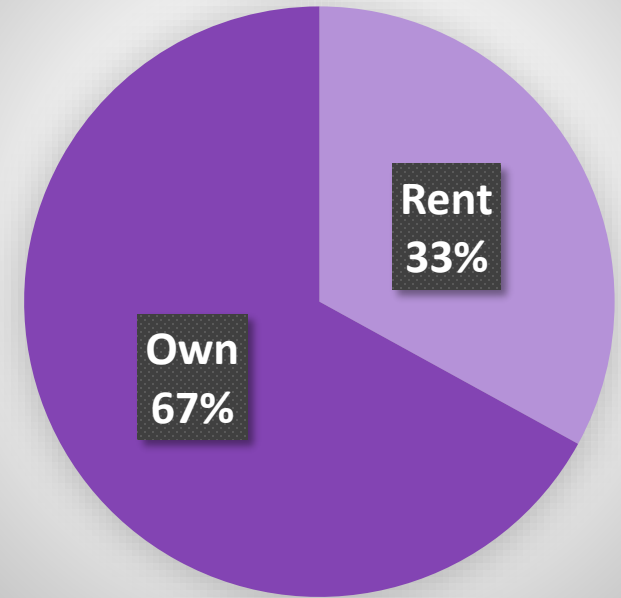
Shawano



Menominee

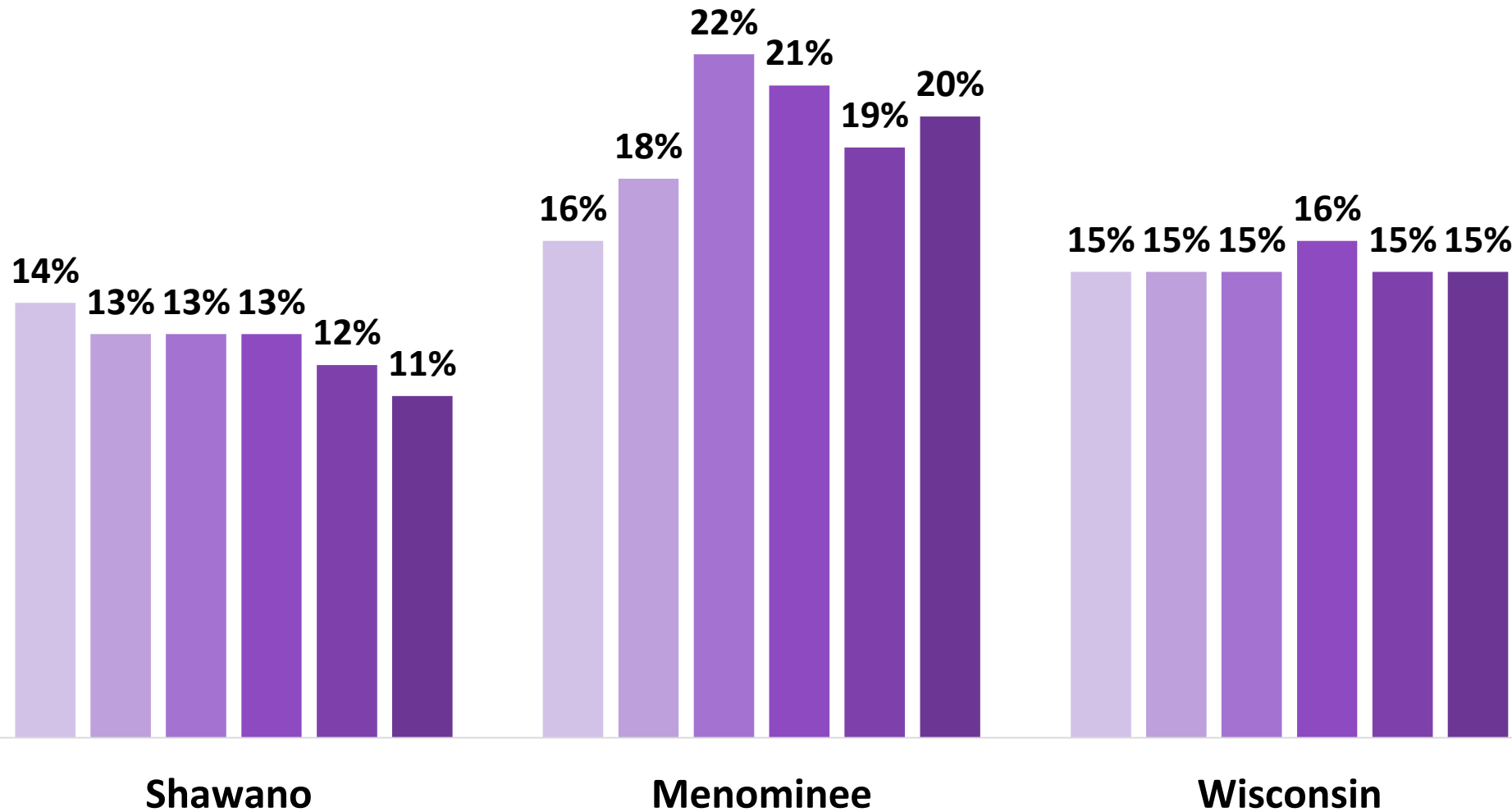


Wisconsin



# Percentage of Households with Severe Housing Problems Shawano County, Menominee County, Wisconsin

2006-2010 2007-2011 2008-2012 2009-2013 2010-2014 2011-2015



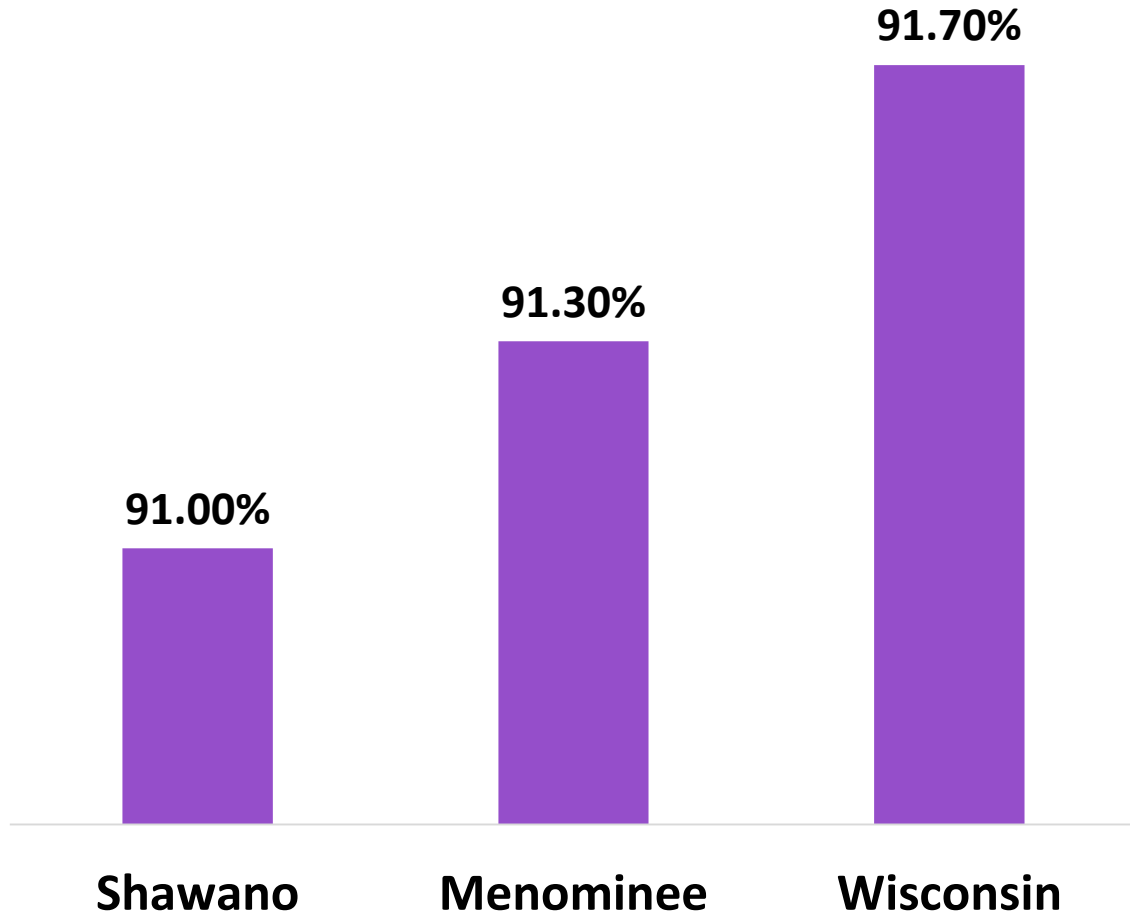
## Severe Housing Problem

1 or more of the following:

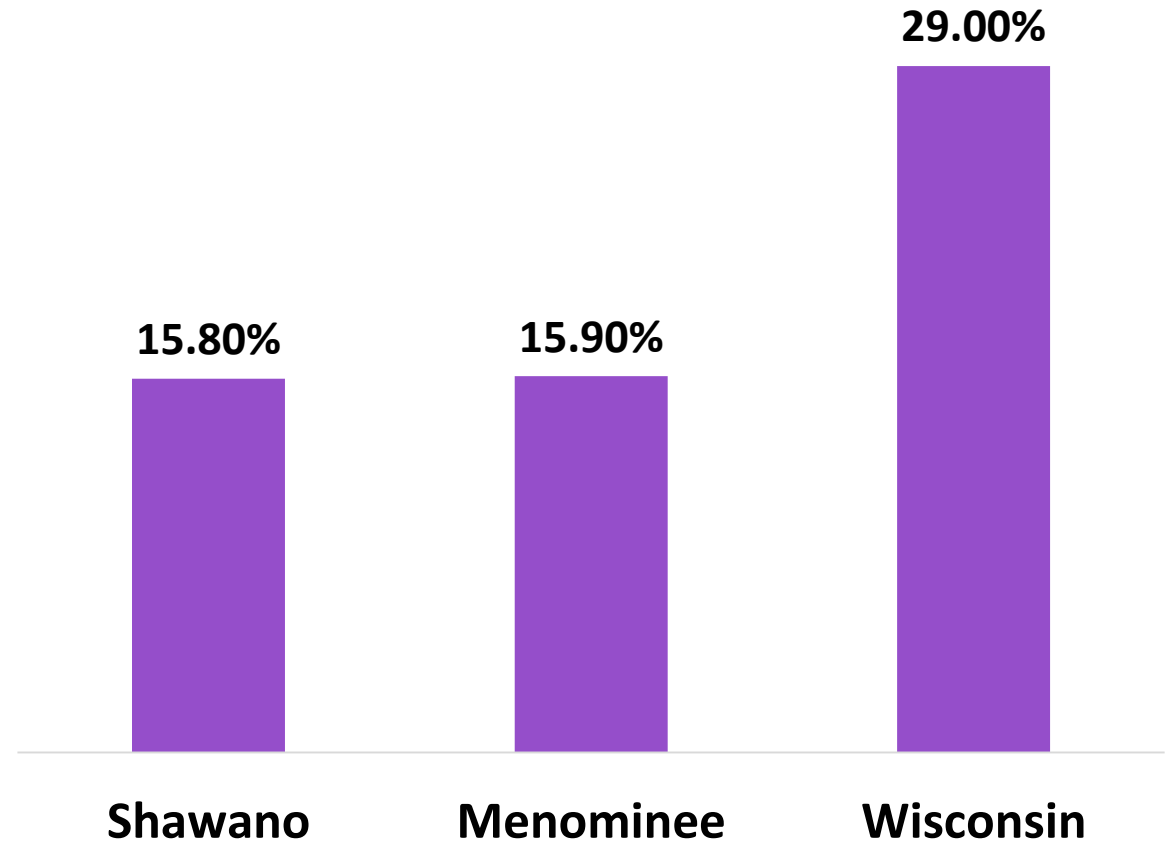
1. Lacks complete kitchen
2. Lacks complete plumbing
3. Household overcrowded
4. More than 50% of income is spent on housing & utilities

# Education

**Percent of Persons Aged 25+ Years (2013-2017)**  
**High School Graduate or Higher**

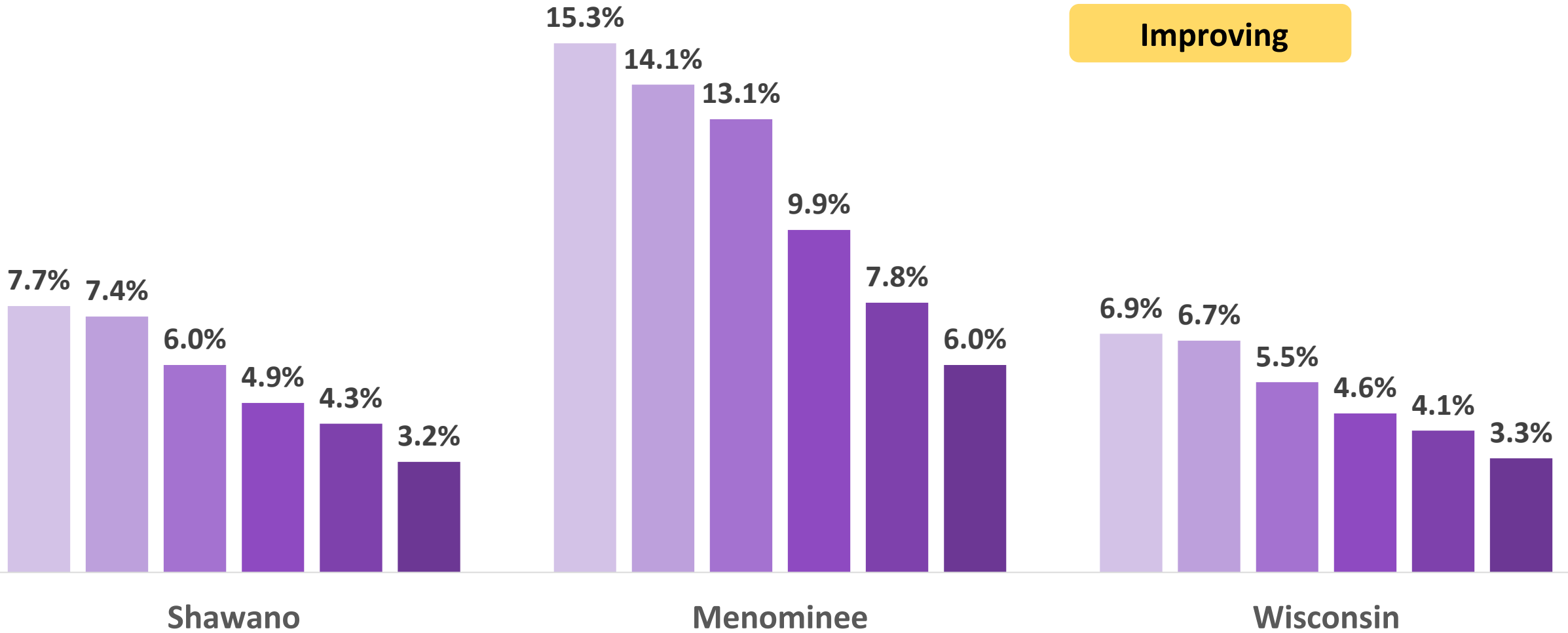


**Percent of Persons Aged 25+ Years (2013-2017)**  
**Bachelor's Degree or Higher**



# Percentage of Unemployed Adults Shawano County, Menominee County, Wisconsin (2012-2017)

2012 2013 2014 2015 2016 2017





# Workplaces Shawano County

## Total Numbers of Workplaces

2012	891
2013	898
2014	866
2015	867
2016	872

Data does not include  
most employees who  
work for the:  
government,  
the railroad,  
or are self employed.

## Types of Workplaces in 2016 (Total 872)

Utilities	4	Administrative & Support & Waste Management & Remediation Services	38
Educational Services	6	Transportation & Warehousing	44
Management of Companies and Enterprises	7	Finance & Insurance	59
Information	8	Manufacturing	65
Real Estate & Rental & Leasing	14	Health Care & Social Assistance	75
Arts & Entertainment & Recreation	15	Construction	91
Agriculture, Forestry, Fishing, & Hunting	22	Retail Trade	117
Wholesale Trade	36	Accommodation & Food Services	117
Professional, Scientific, & Technical Services	36	Other Services (except public administration)	118

# Workplaces Menominee County

## Total Numbers of Workplaces

2012	24
2013	26
2014	24
2015	27
2016	24

**Data does not include  
most employees who  
work for the:  
government,  
the railroad,  
or are self employed.**

## Types of Workplaces in 2016 (Total 24)

Educational Services	1
Arts & Entertainment & Recreation	1
Transportation & Warehousing	1
Manufacturing	1
Professional, Scientific, & Technical Services	2
Construction	2
Accommodation & Food Services	4
Other Services (except public administration)	5
Retail Trade	6

# Income (In 2017 Dollars) Shawano County, Menominee County, Wisconsin (2013-2017)

■ Median Household Income

■ Per Capita Income in Past 12 Months

Income where half of households earn more and half of households earn less.

Average income earned per person in the county.

**\$51,751.00**

**\$26,627.00**

**\$38,080.00**

**\$17,197.00**

**\$57,652.00**

**\$30,557.00**

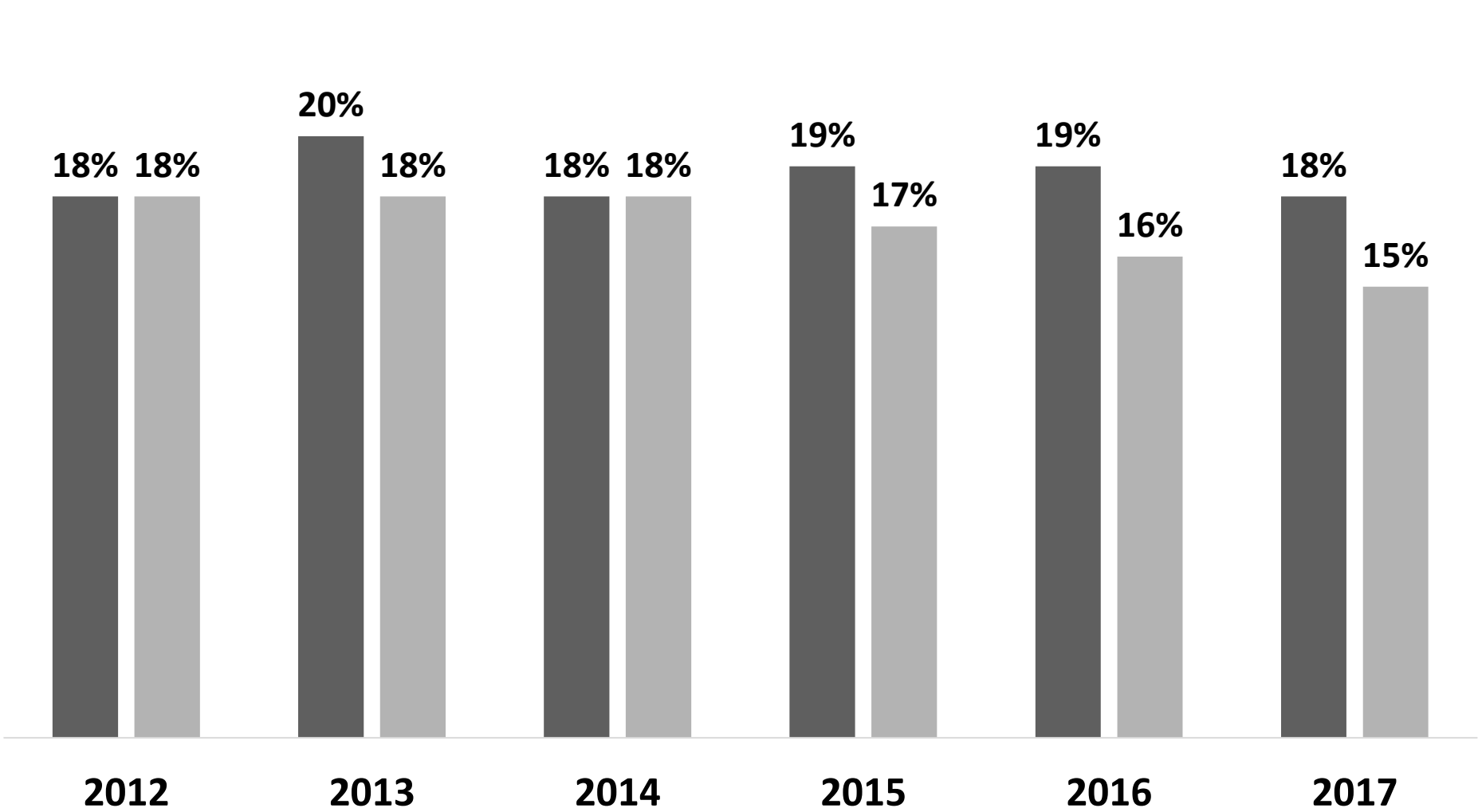
**Shawano**

**Menominee**

**Wisconsin**

Percentage of Children Living in Poverty  
Shawano County & Wisconsin (2012-2017)

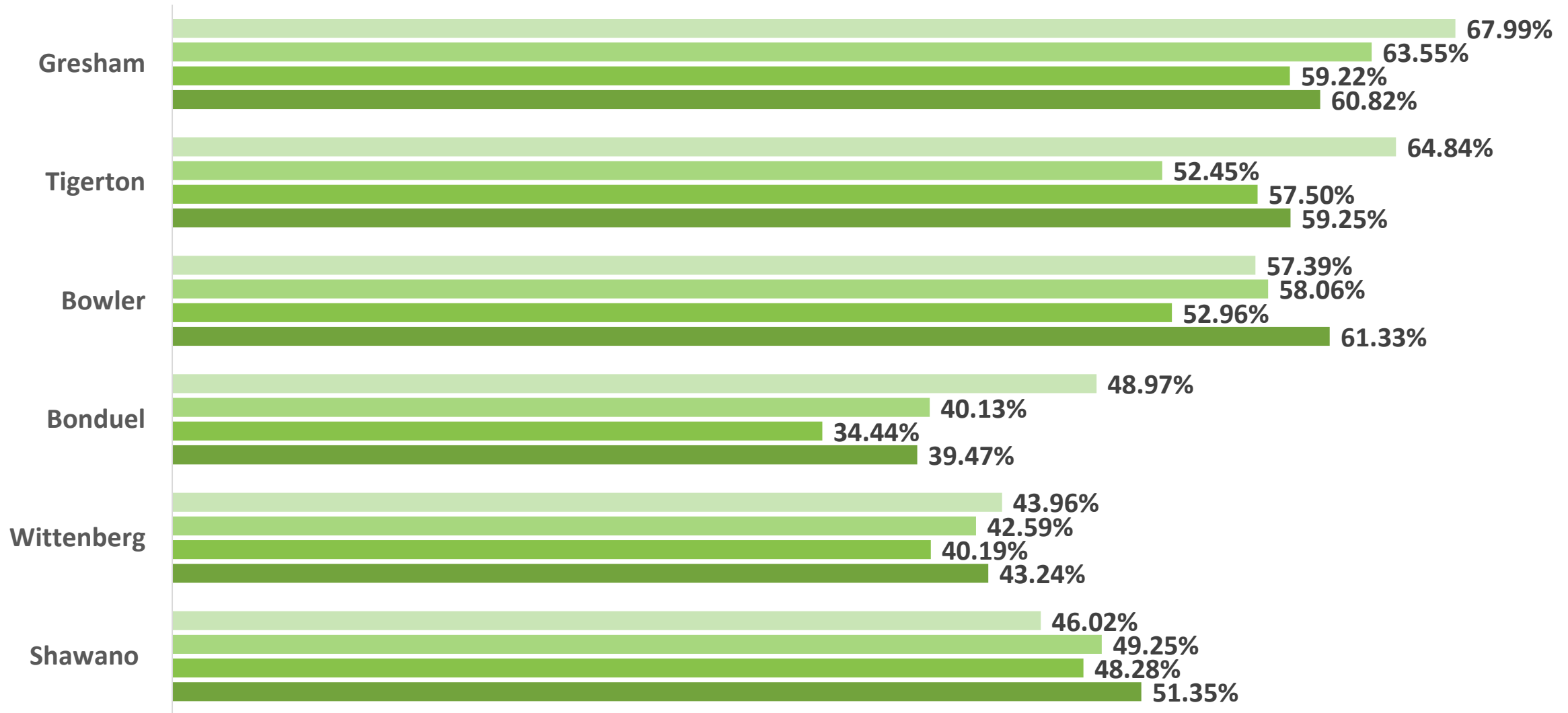
Shawano Wisconsin



2017 Poverty Level	
House Size	100% FPL
1	\$12,060
2	\$16,240
3	\$20,420
4	\$24,600
5	\$28,780
6	\$32,960
7	\$37,140

# Percent of Students Eligible for Free or Reduced Lunch Public Schools Shawano County (2018)

2015 2016 2017 2018

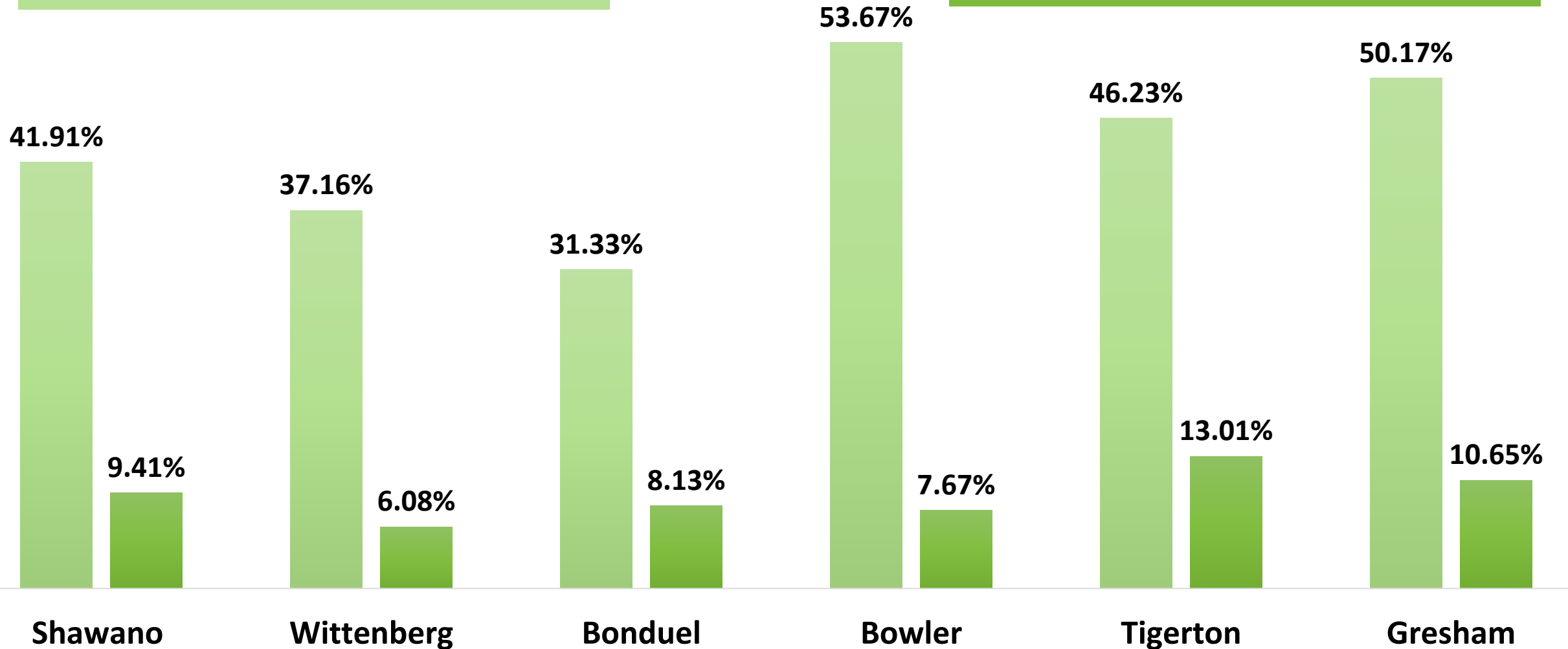


# Percent of Public School Students Eligible for Free or Reduced Lunch Shawano County (2018 Data)

Free: Children from families with income at or below 130% of poverty level

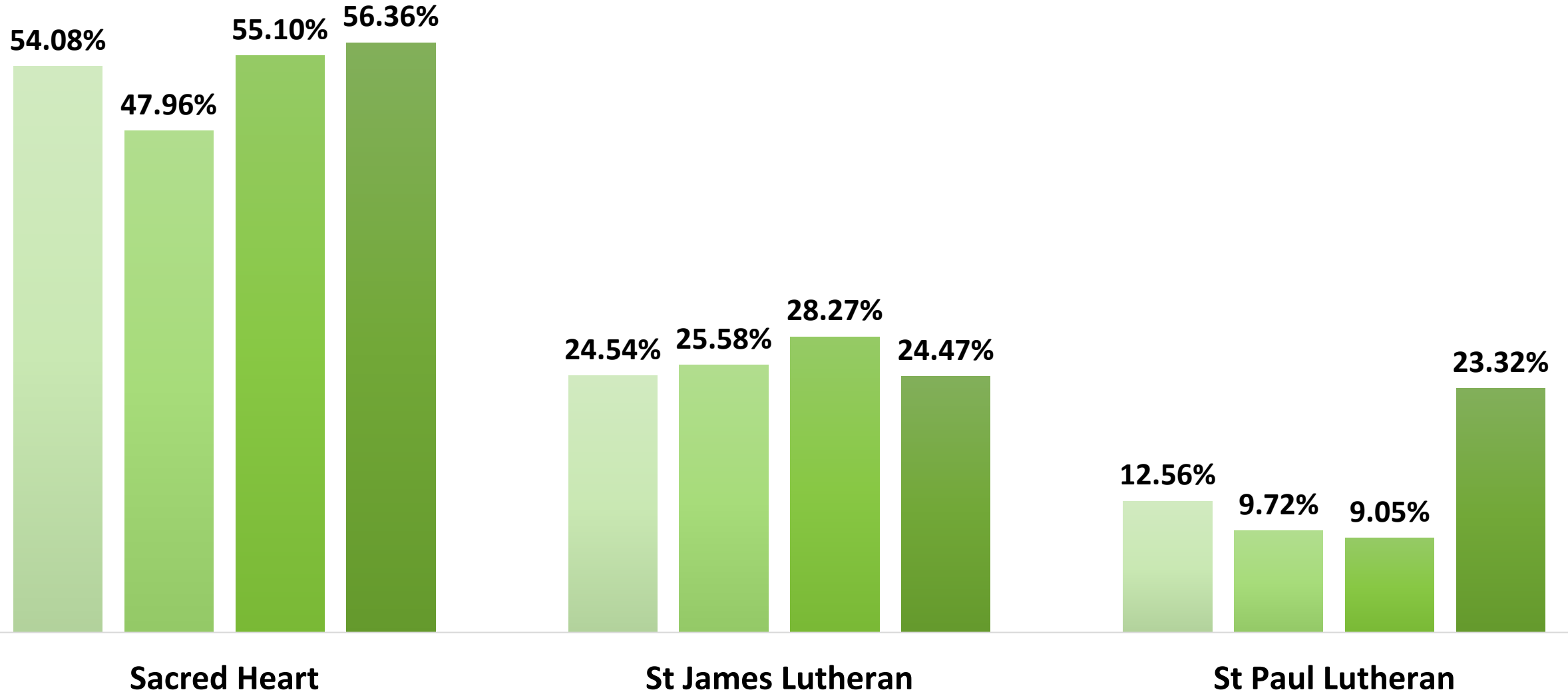
Free Reduced

Reduced: Children from families with income between 130 and 185% of poverty level

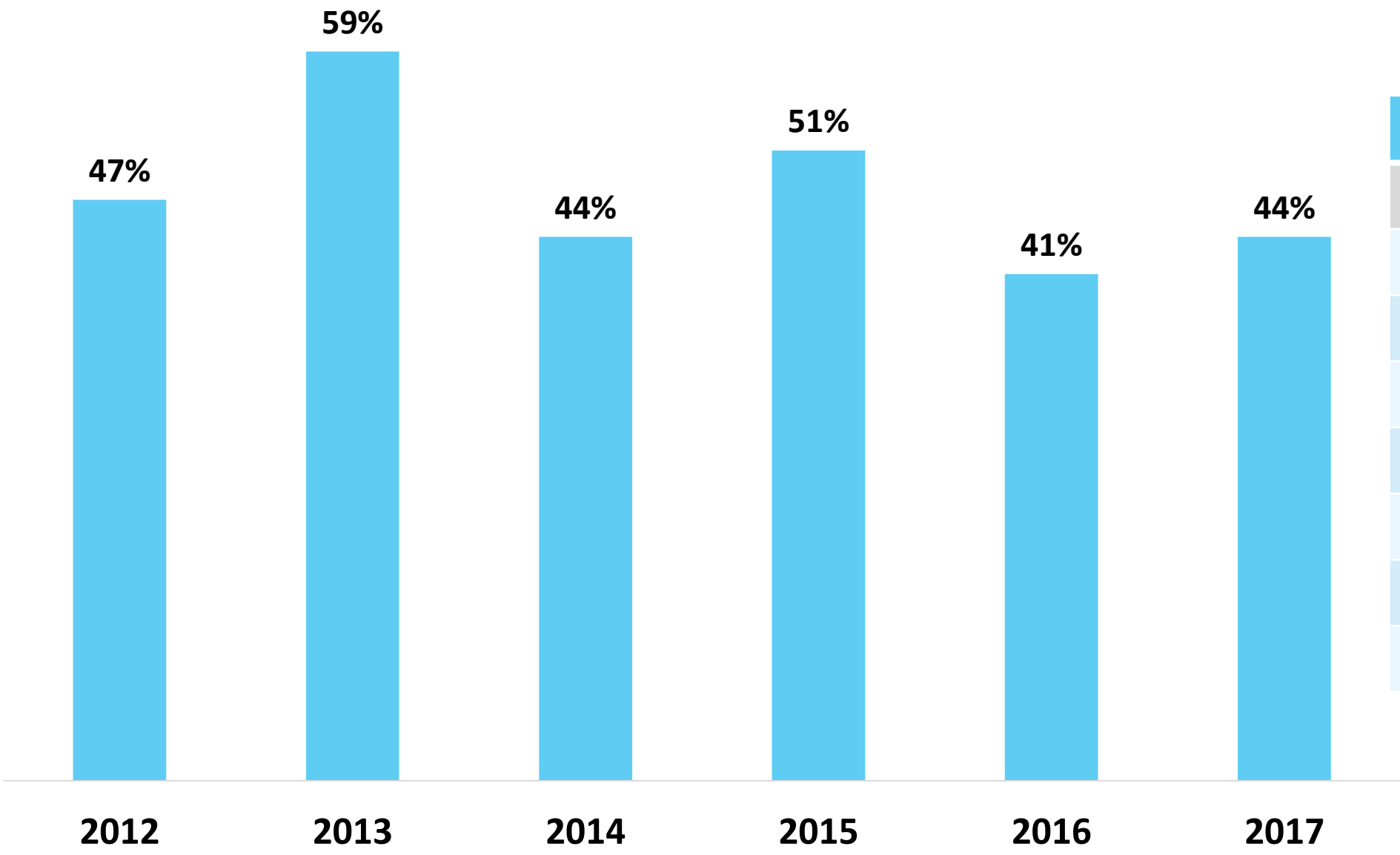


# Percent of School Students Eligible for Free or Reduced Lunch Private Schools Shawano County (2018)

2015 2016 2017 2018



Percentage of Children Living in Poverty  
Menominee County (2012-2017)



2017 Poverty Level	
House Size	100% FPL
1	\$12,060
2	\$16,240
3	\$20,420
4	\$24,600
5	\$28,780
6	\$32,960
7	\$37,140



Percent of Students Eligible for Free or Reduced Lunch  
Menominee County (2014-2018)

Eligible families have  
incomes less than  
130% of the federal  
poverty level

Menominee Public Schools	
2015	100% Free Lunch
2016	100% Free Lunch
2017	100% Free Lunch
2018	100% Free Lunch

Menominee Tribal School	
2015	100% Free Lunch
2016	100% Free Lunch
2017	Not Reported
2018	100% Free Lunch

# Social Connectedness

**People with strong support networks tend to have:**

- Better physical health and lower rates of unhealthy behaviors
- Lower rates of mental illnesses
- More job opportunities

**Disconnected Youth 2013-2017**

Shawano	Menominee
6%	23%

Disconnected Youth = Youth Aged 16 to 19 Who are Not in School or Working

**Older Adults Living Alone in 2018**

Shawano	Menominee
27%	24%

**Social Membership Associations**

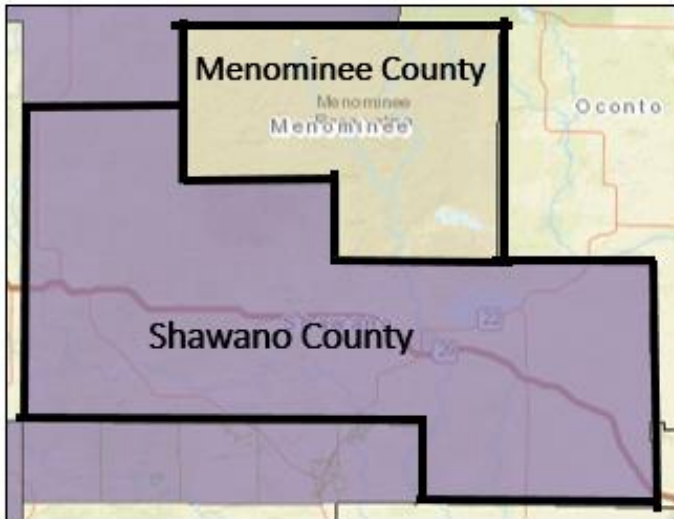
Shawano	Menominee
14.6	8.8

(Number of Membership Associations per 10,000 Residents – Includes Fitness/Health Centers, Religious/Places of Worship, Labor Organizations)

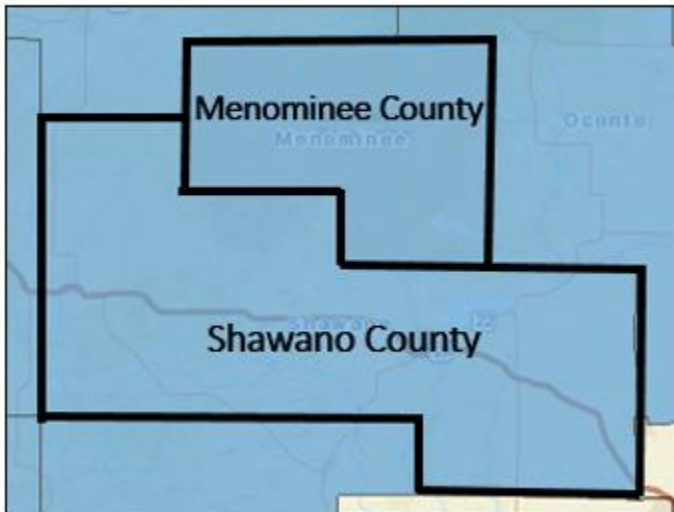
# Access to Care

## Health Professional Shortage Areas (HPSA)

Dental HPSA Areas



Mental health HPSA Areas



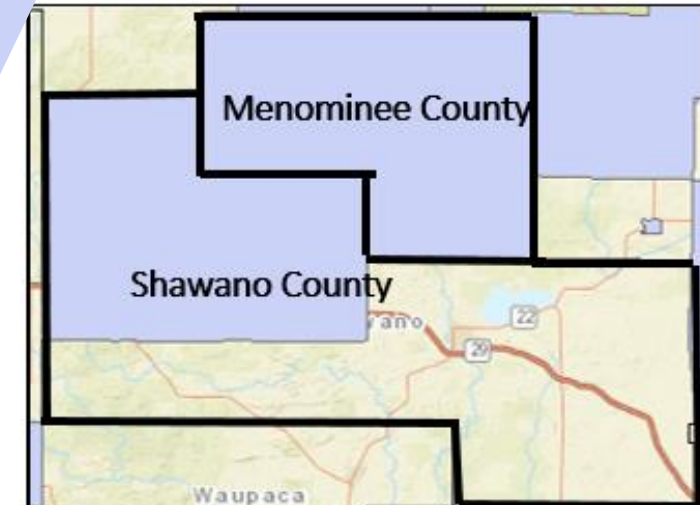
MUA/P = Medically Underserved  
Areas/Population Areas

=

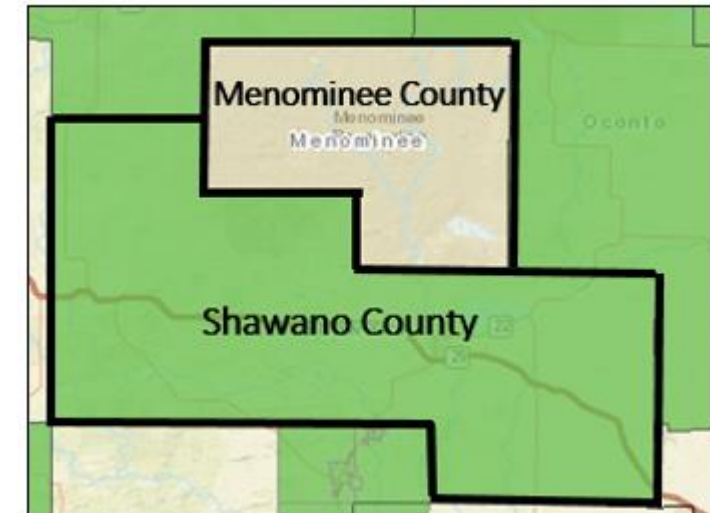
May include combination of:

- Too few primary care providers
- High infant mortality
- High poverty
- High elderly population

MUA/P Areas



Primary Care HPSA Areas



Health Professional Shortage Areas  
(HPSAs) are colored areas.

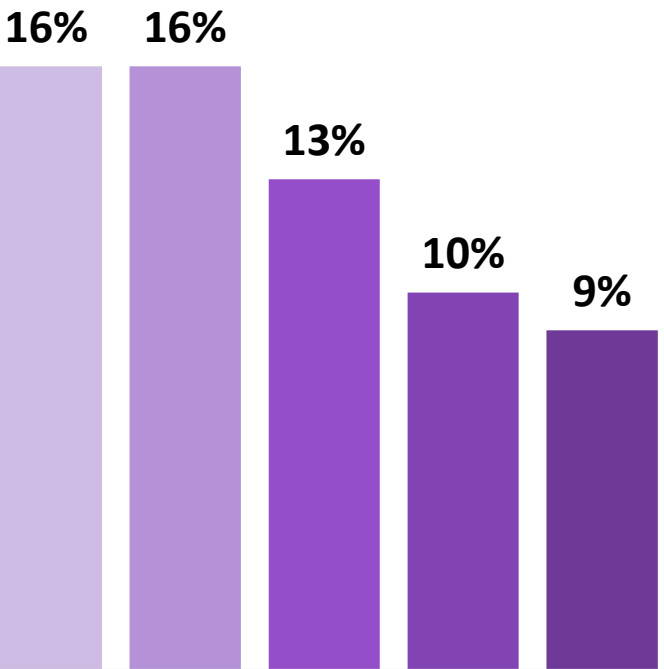
Health Professional Shortage Areas  
mean there are **not enough providers**  
**per resident population.**

**Percent of Uninsured Adults**  
**Shawano County, Menominee County, & Wisconsin (2012-2016)**

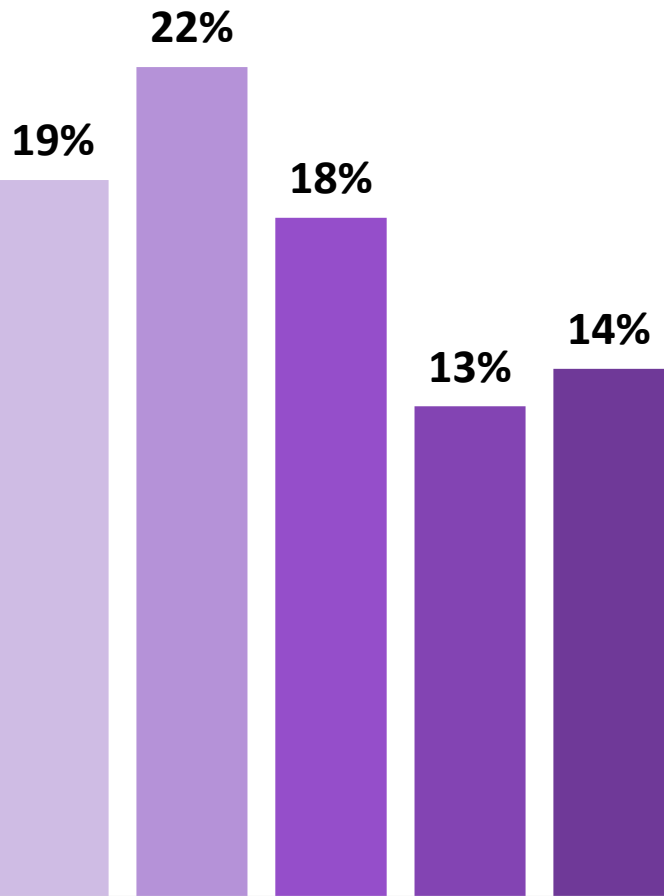
2012 2013 2014 2015 2016

Improving

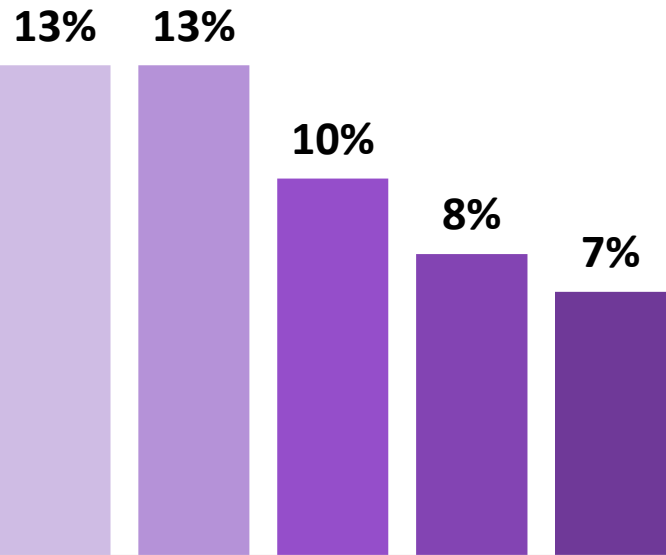
Keep in mind, there were changes that started due to the Affordable Care Act.



Shawano



Menominee



Wisconsin

**Percent of Uninsured Children  
Shawano County, Menominee County, & Wisconsin (2012-2016)**

2012 2013 2014 2015 2016

Improving

Keep in mind, there  
were changes that  
started due to the  
Affordable Care Act.

7%

6%

6%

5%

6%

7%

8%

7%

6%

6%

5%

5%

5%

4%

4%

Shawano

Menominee

Wisconsin

# References Demographics

- County Health Rankings, University of Wisconsin Population Health Institute. (2019). *Disconnected Youth-Data*. Retrieved from <https://www.countyhealthrankings.org/app/wisconsin/2019/measure/factors/149/data>
- County Health Rankings, University of Wisconsin Population Health Institute. (2019). *Older Adults Living Alone-Data*. Retrieved from <https://www.countyhealthrankings.org/app/wisconsin/2019/measure/factors/120/data>
- County Health Rankings, University of Wisconsin Population Health Institute. (2019). *Severe Housing Problems*. Retrieved from <https://www.countyhealthrankings.org/app/wisconsin/2019/measure/factors/136/data>
- County Health Rankings, University of Wisconsin Population Health Institute. (2019). *Social Associations-Data*. Retrieved from <https://www.countyhealthrankings.org/app/wisconsin/2019/measure/factors/140/data>
- County Health Rankings, University of Wisconsin Population Health Institute. (2019). *Uninsured Adults- Data*. Retrieved from <https://www.countyhealthrankings.org/app/wisconsin/2019/measure/factors/3/data>
- County Health Rankings, University of Wisconsin Population Health Institute. (2019). *Uninsured Children-Data*. Retrieved from <https://www.countyhealthrankings.org/app/wisconsin/2019/measure/factors/122/data>
- County Health Rankings, University of Wisconsin Population Health Institute. (2019). *Unemployment*. Retrieved from <https://www.countyhealthrankings.org/app/wisconsin/2019/measure/factors/23/data>
- Department of Health Services. (2017). *Population Reporting Disability by Age and Sex and by Type of Disability, 2010-14, P-01623*. Retrieved from <https://www.dhs.wisconsin.gov/disabilities/physical/demographics.htm>
- Families USA. (2019). *Federal Poverty Guidelines*. Retrieved from <https://familiesusa.org/resources/federal-poverty-guidelines/>
- HealthUnited States Census Bureau. (2017). *Quick Facts- Wisconsin; Menominee County, Wisconsin; Shawano County, Wisconsin*. Retrieved from <https://www.census.gov/quickfacts/fact/table/WI,menomineecountywisconsin,shawanocountywisconsin/PST045218>
- Resources & Services Administration (HRSA). (2019). *Map Tool* [map]. Retrieved from <https://data.hrsa.gov/hdw/tools/MapTool.aspx>
- U.S. Census Bureau (2016). *2016 County Business Patterns*. Retrieved from [https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=BP\\_2016\\_00A1&prodType=table#none](https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=BP_2016_00A1&prodType=table#none)
- Wisconsin Department of Health Services. (2013). *Projected Population Ages 60 and Older 2015-2040 Maps, P-01803*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p01803.pdf>
- Wisconsin Department of Public Instruction. (2019). Enrollment and Participation Reports (E&PR) – October 2018, October 2017, October 2016, October 2015. Retrieved from <https://dpi.wi.gov/school-nutrition/program-statistics>

# Section 1

Injury & Violence

Mental Health

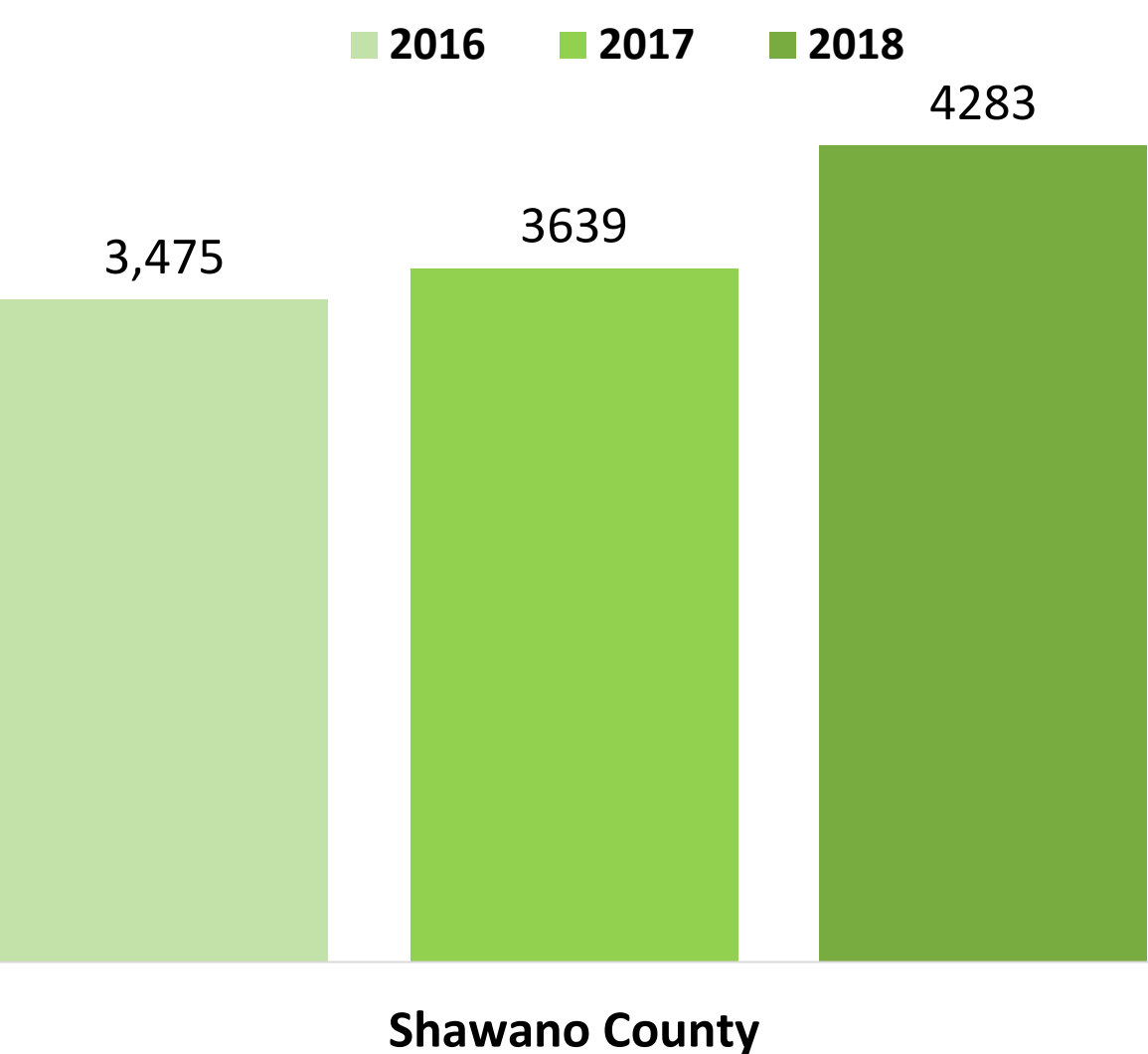
Alcohol & Other Drug Use

Tobacco Use & Exposure

# Injury & Violence

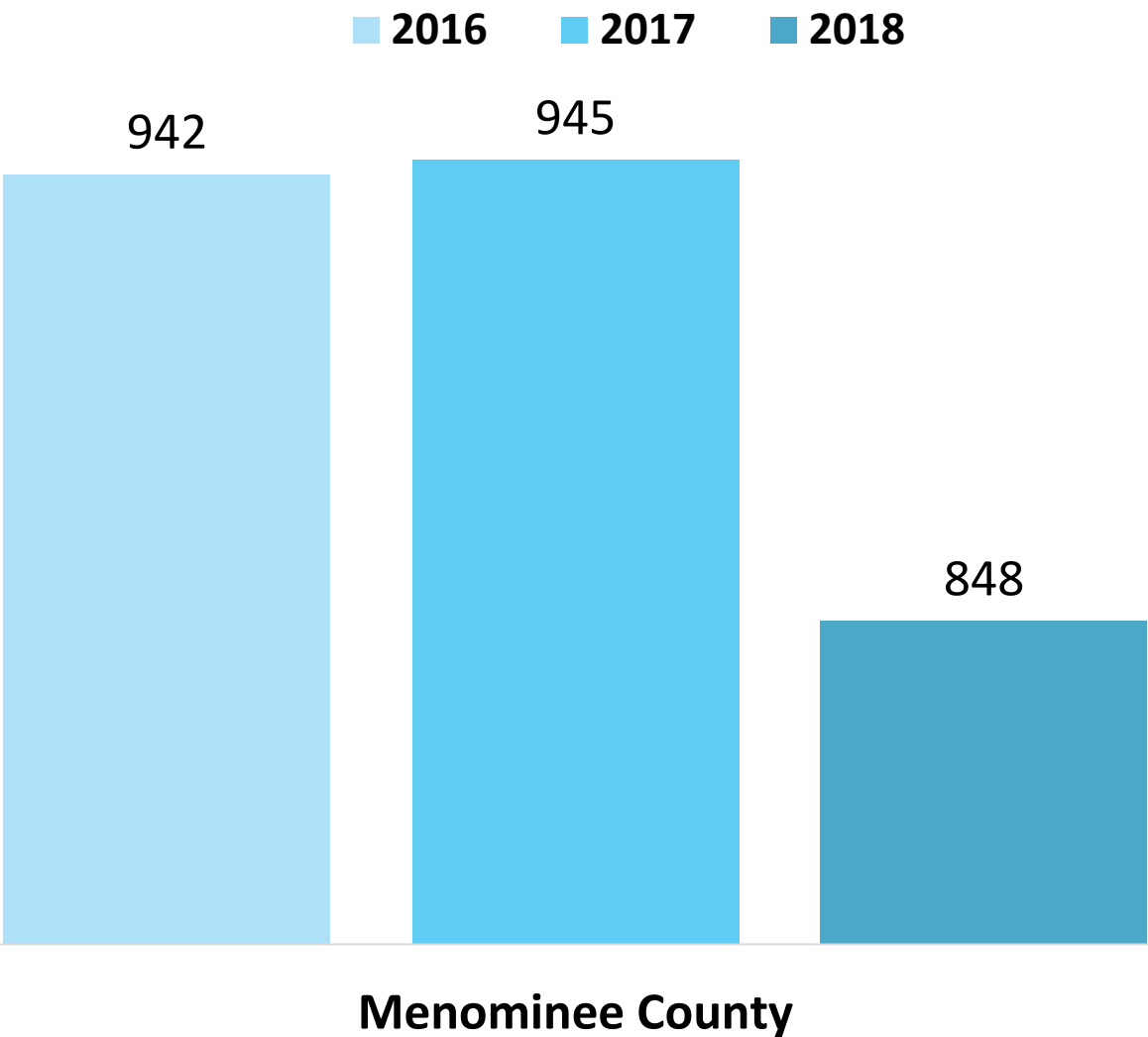


# Number of Injury-Related Emergency Department Visits Shawano County from 2016-2018



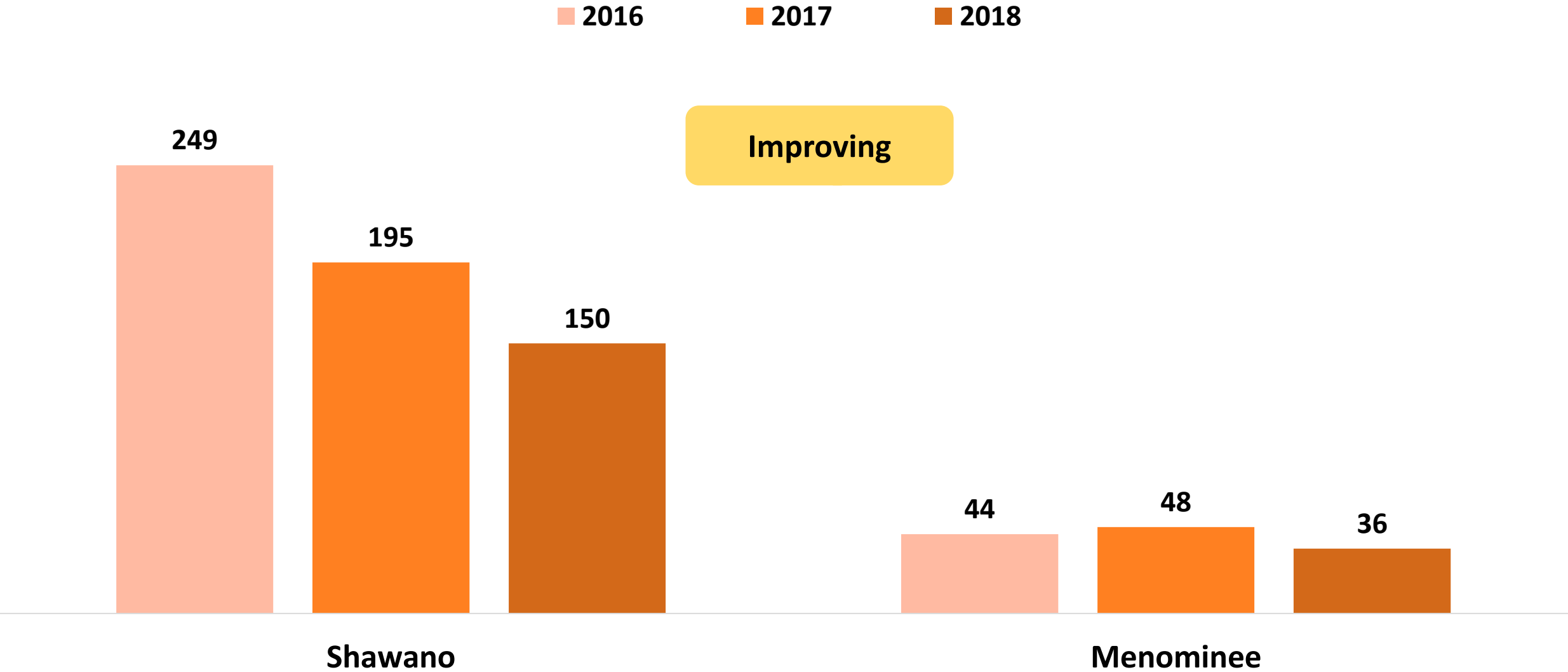
Top 10 Injuries Leading to ED Visits From 2016 to 2018	#
Falls	3598
Struck by or against object or person	1827
Cutting or piercing objects	1017
Natural or environmental factors	691
Motor vehicle	630
Overexertion	626
Non-traffic transportation	317
Poisoning	257
Fire, heat, chemical burns, hot object, scalding	164
Machinery	139

# Number of Injury-Related Emergency Department Visits Menominee County from 2016-2018

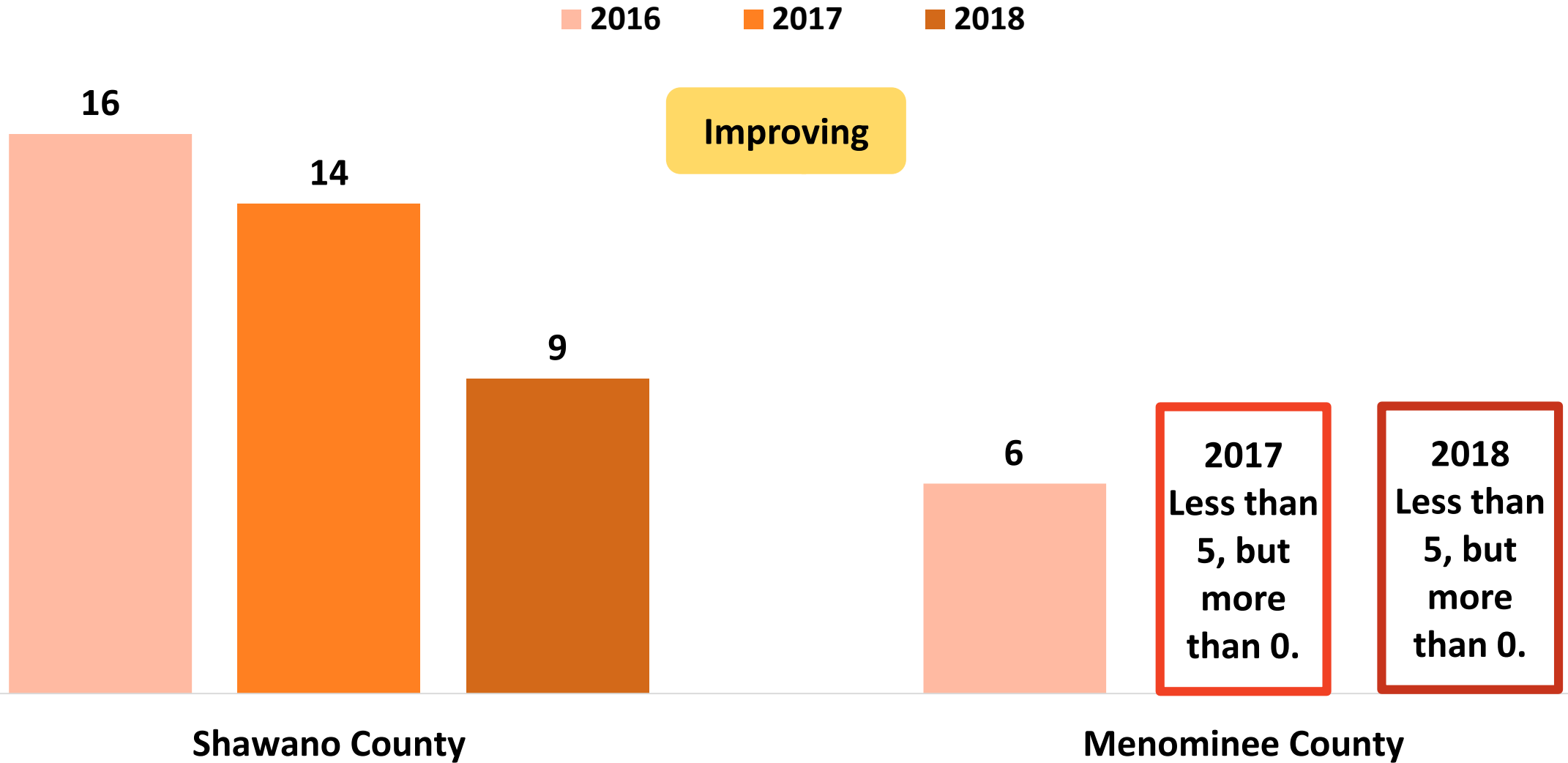


Top 10 Injuries Leading to ED Visits From 2016 to 2018	#
Falls	849
Struck by or against object or person	585
Cutting or piercing objects	231
Overexertion	196
Natural or environmental factors	148
Motor vehicle	138
Non-traffic transportation	86
Poisoning	80
Fire, heat, chemical burns, hot object, scalding	34
Machinery	8

# Numbers of Motor Vehicle Injury-Related Emergency Department Visits Shawano County and Menominee County from 2016-2018



# Number of Self-Inflicted Injury Hospitalizations Shawano County and Menominee County from 2016 to 2018



# Causes of Injury-Related Deaths Shawano County from 2008-2017

Last 10 Years

## Shawano County, 2008-2017

Cause of Death	Deaths
Motor vehicle	80
Falls	69
Poisoning	41
Firearm	36
Suffocation	19

Last 5 Years

## Shawano County, 2013-2017

Cause of Death	Deaths
Falls	46
Motor vehicle	39
Poisoning	25
Firearm	17
Suffocation	8

# Causes of Injury-Related Deaths Menominee County from 2008-2017

Last 10 Years

Menominee County, 2008-2017

Cause of Death	Deaths
Motor vehicle	17
Poisoning	16
Fall	8
Firearm	6
Natural or environmental factors	X

Last 5 Years

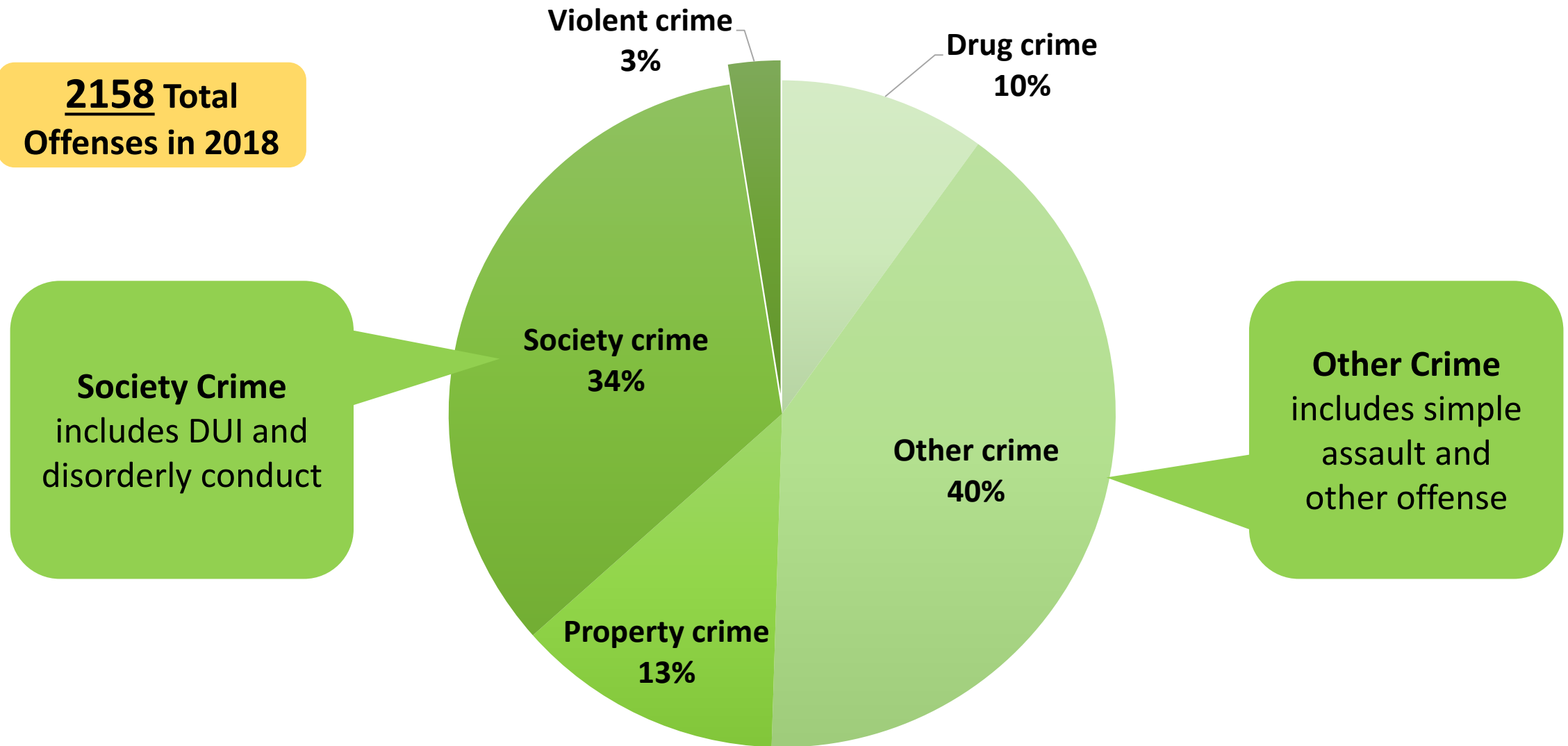
Menominee County, 2013-2017

Cause of Death	Deaths
Poisoning	12
Motor vehicle	11
Falls	7
Natural or environmental factors	X
Suffocation	X

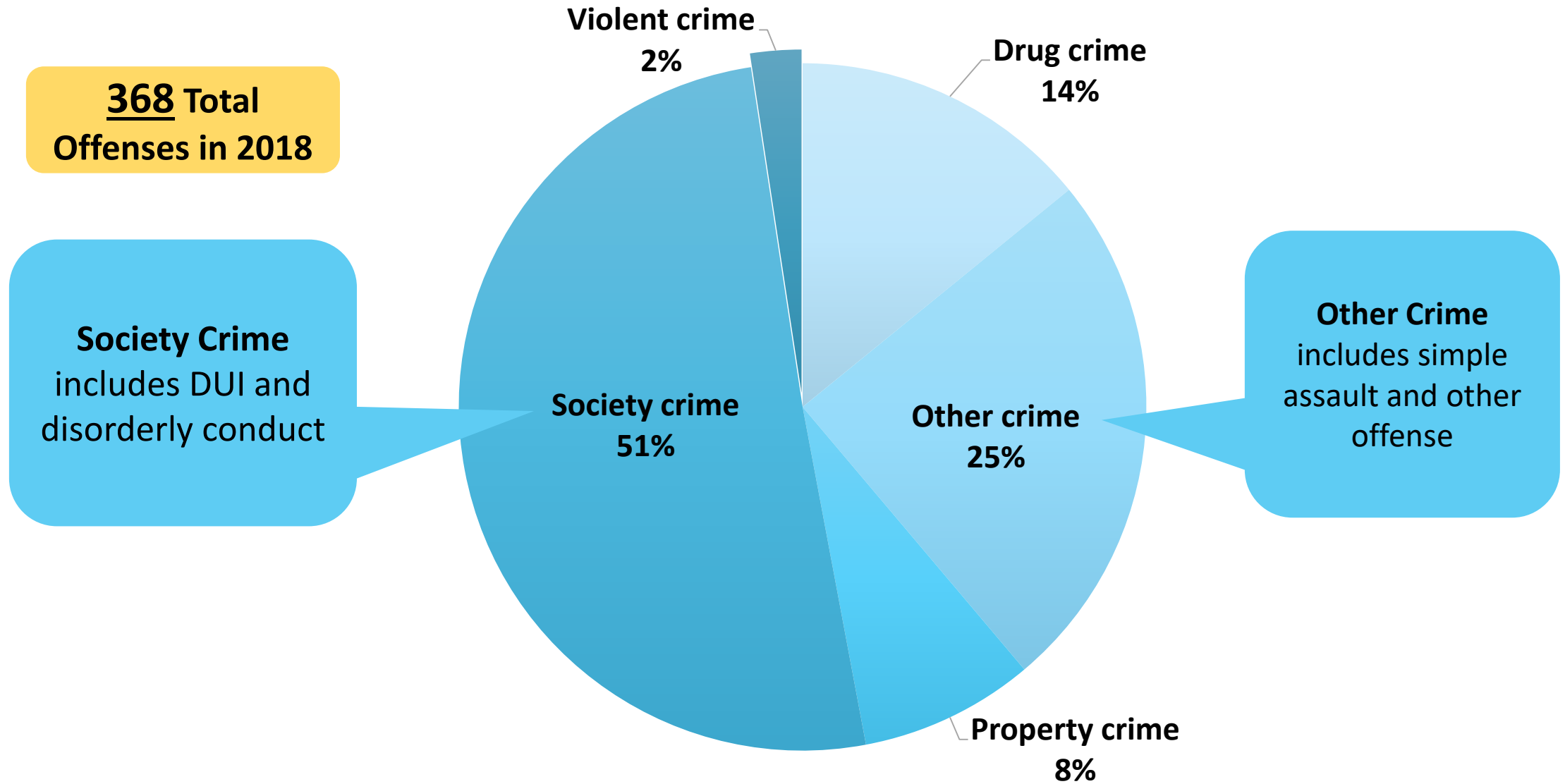
“X” indicates 1-5 deaths and has been suppressed for confidentiality

# Percent of Crime Offenses Based on Category Shawano County in 2018

**2158 Total  
Offenses in 2018**



# Percent of Crime Offenses Based on Category Menominee County in 2018





# Safe Haven Domestic Abuse and Sexual Assault Shelter Services in 2018

2018 Safe Haven Domestic Abuse Data	Totals
Crisis calls	<b>749 individuals</b> (663 females, 86 males)
Completed Restraining Orders	<b>27</b>
Safe Housing Provided	<b>157 individuals</b> (76 women, 1 man, and 80 children)
Services Provided to Victims	<b>538 victims</b> (390 women, 44 men, 1 Other, and 103 children)



Law Enforcement received **168**  
**Intimate Partner Calls**



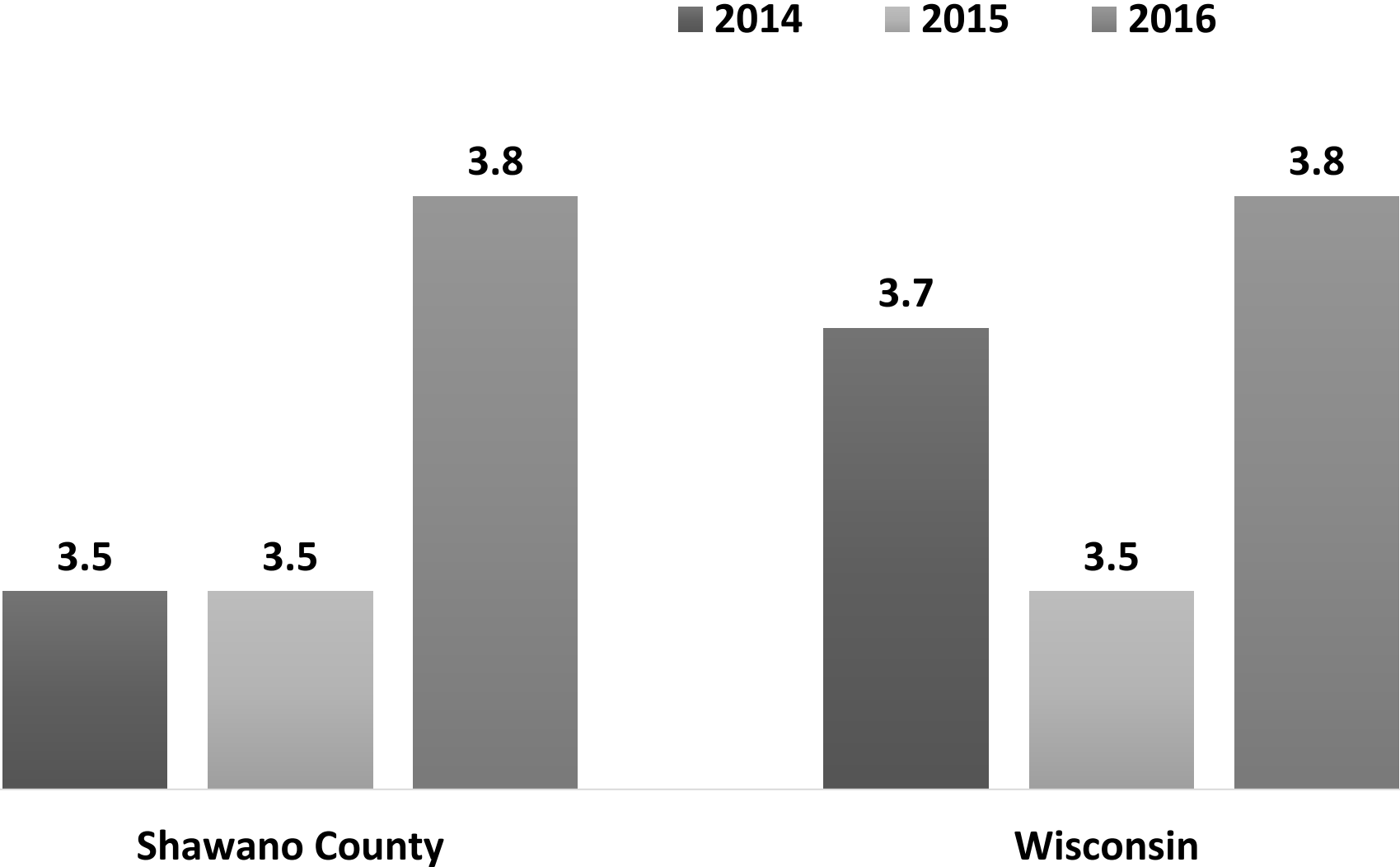
**97 or 58%**  
screened as **high**  
**danger/potential homicide risk**

# References Injury & Violence

- Wisconsin Department of Health Services. (2019). Wisconsin Interactive Statistics on Health (WISH) Data Query System. Retrieved from <https://www.dhs.wisconsin.gov/wish/index.htm>
- Wisconsin Department of Justice. (2019, April 29). *Wisconsin Uniform Crime Reporting (UCR) Data Dashboard Center*. Retrieved from <https://www.doj.state.wi.us/dles/bjia/ucr-offense-data>

Mental Health

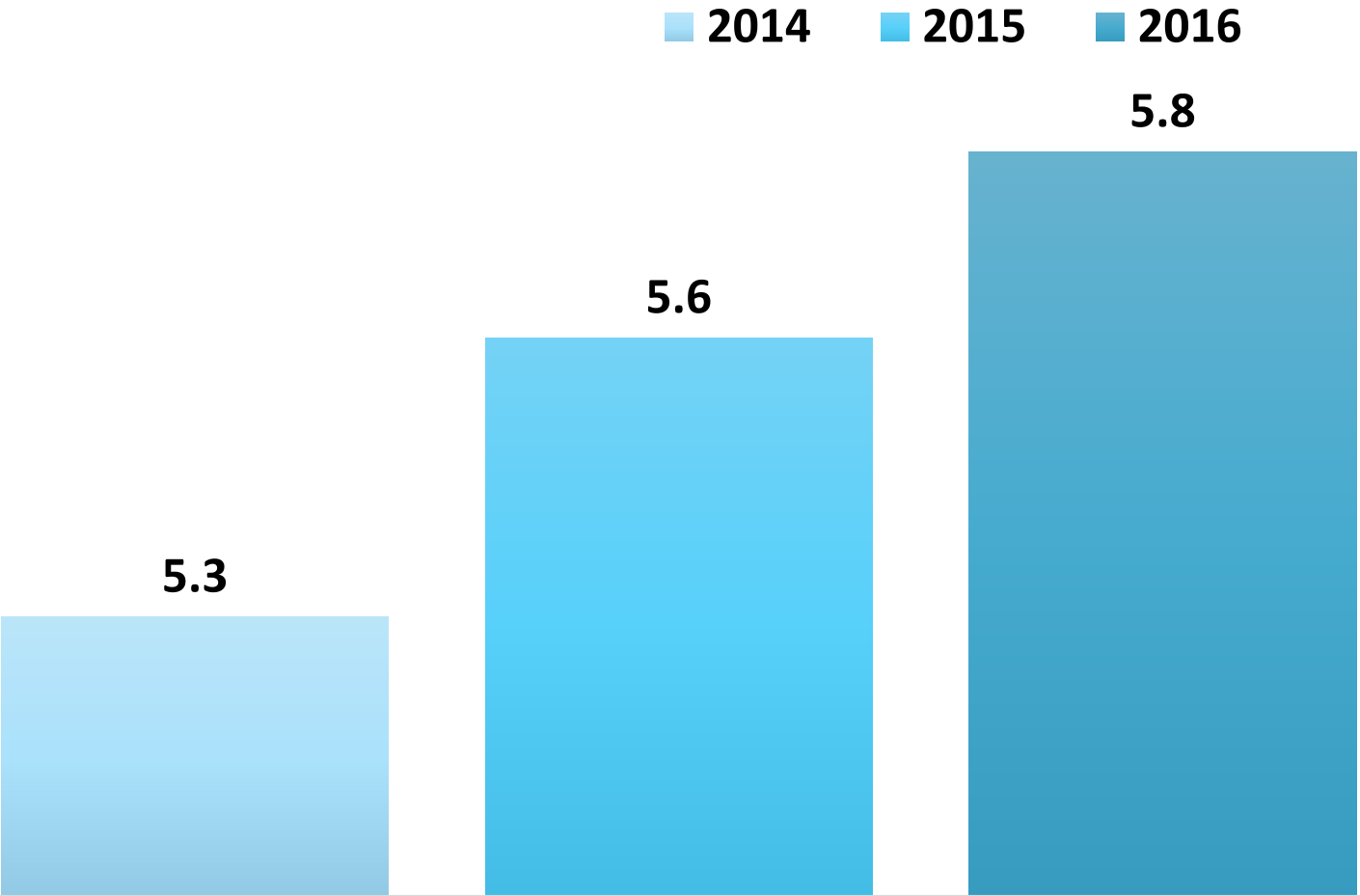
**Average Poor Mental Health Days Per Month  
Shawano County and Wisconsin 2014-2016**



**Not Improving**

This is self-reported data based on what people think about their “stress, depression, and problems with emotions.”

Average Poor Mental Health Days Per Month  
Menominee County

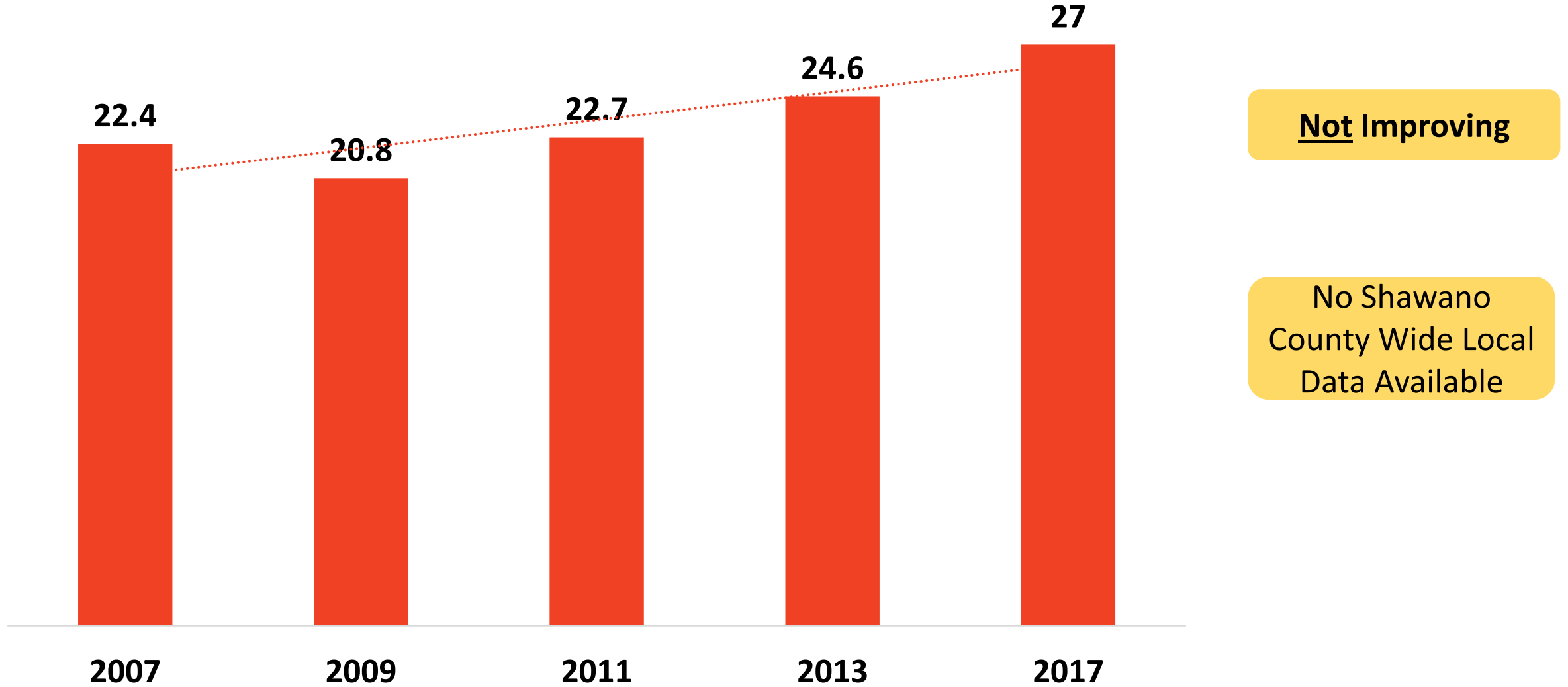


Menominee County

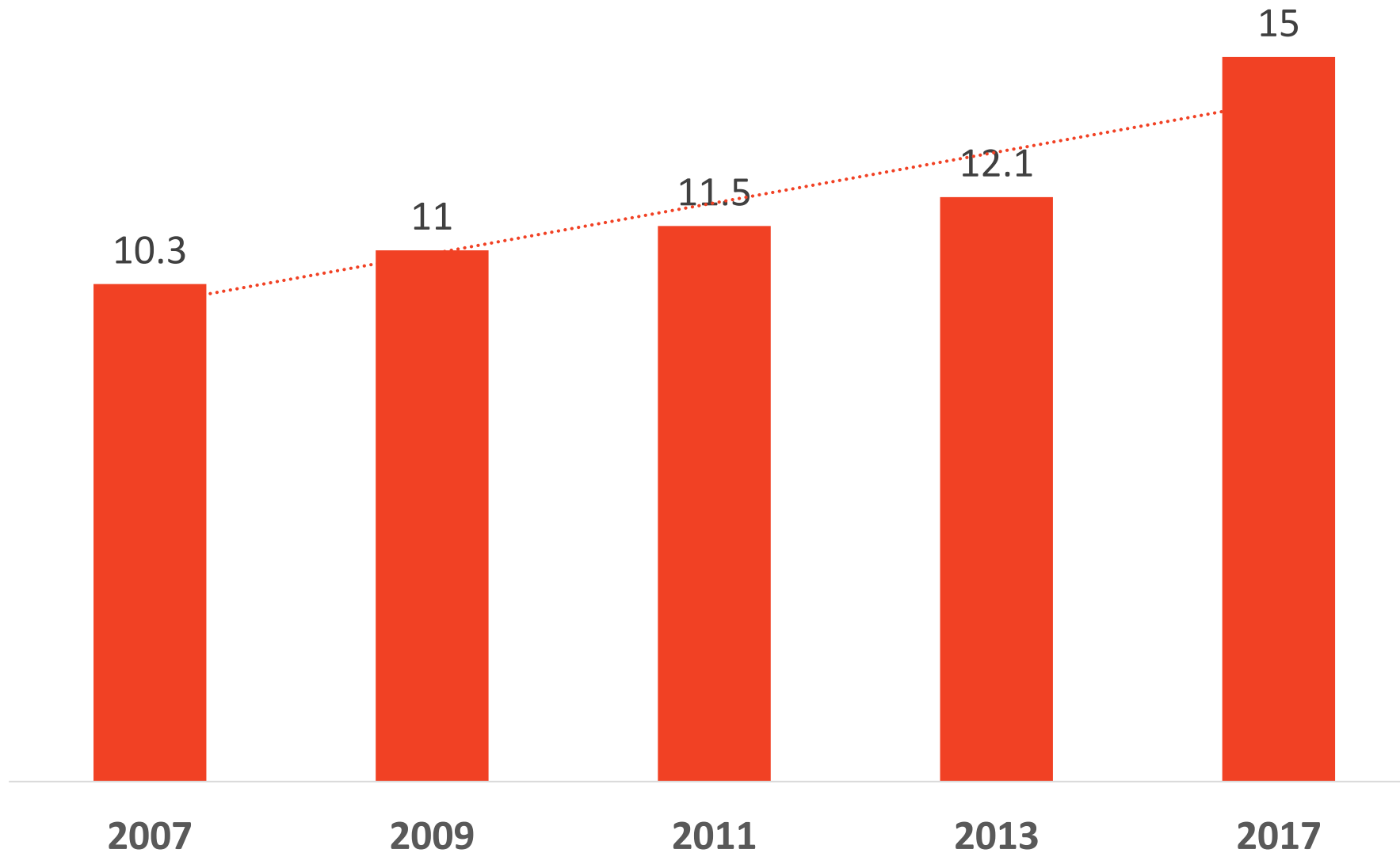
Not Improving

This is self-reported data based on what people think about their “stress, depression, and problems with emotions.”

# Percent of High School Students Who Felt Sad or Hopeless Daily Wisconsin from 2007-2017



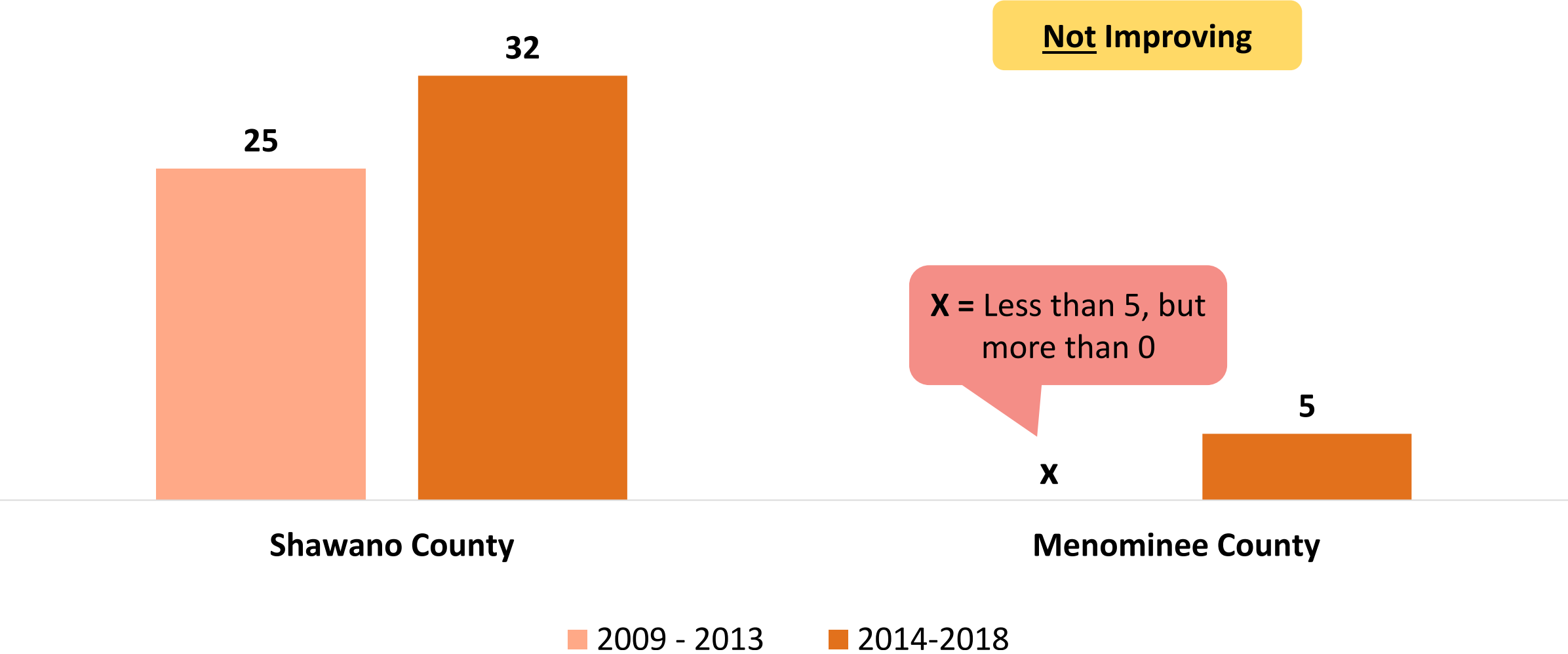
# Percent of High School Students Who Made Suicide Plans in the Past Year Wisconsin from 2007-2017



**Not Improving**

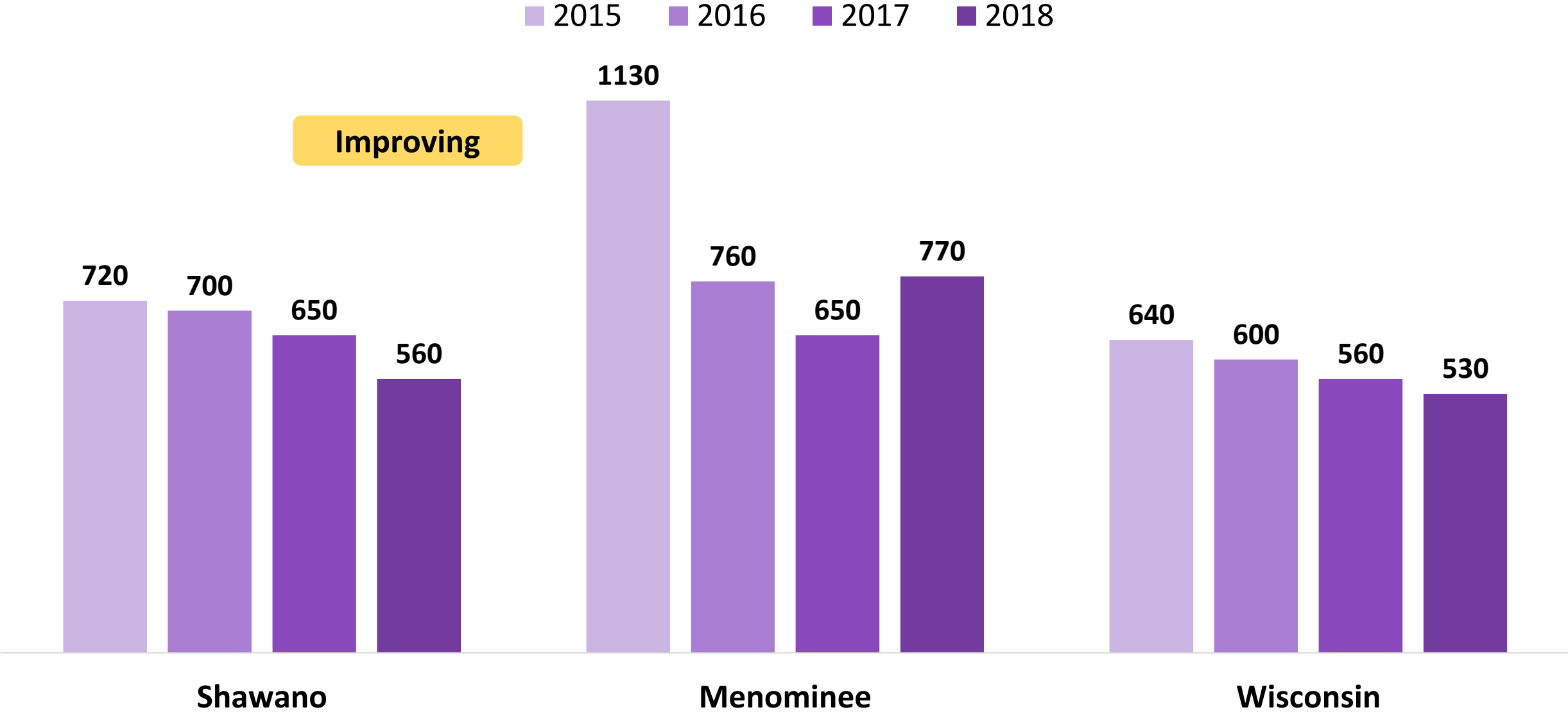
No Shawano County  
Wide Local Data  
Available

**Suicides**  
**Shawano and Menominee Counties from 2009-2018**

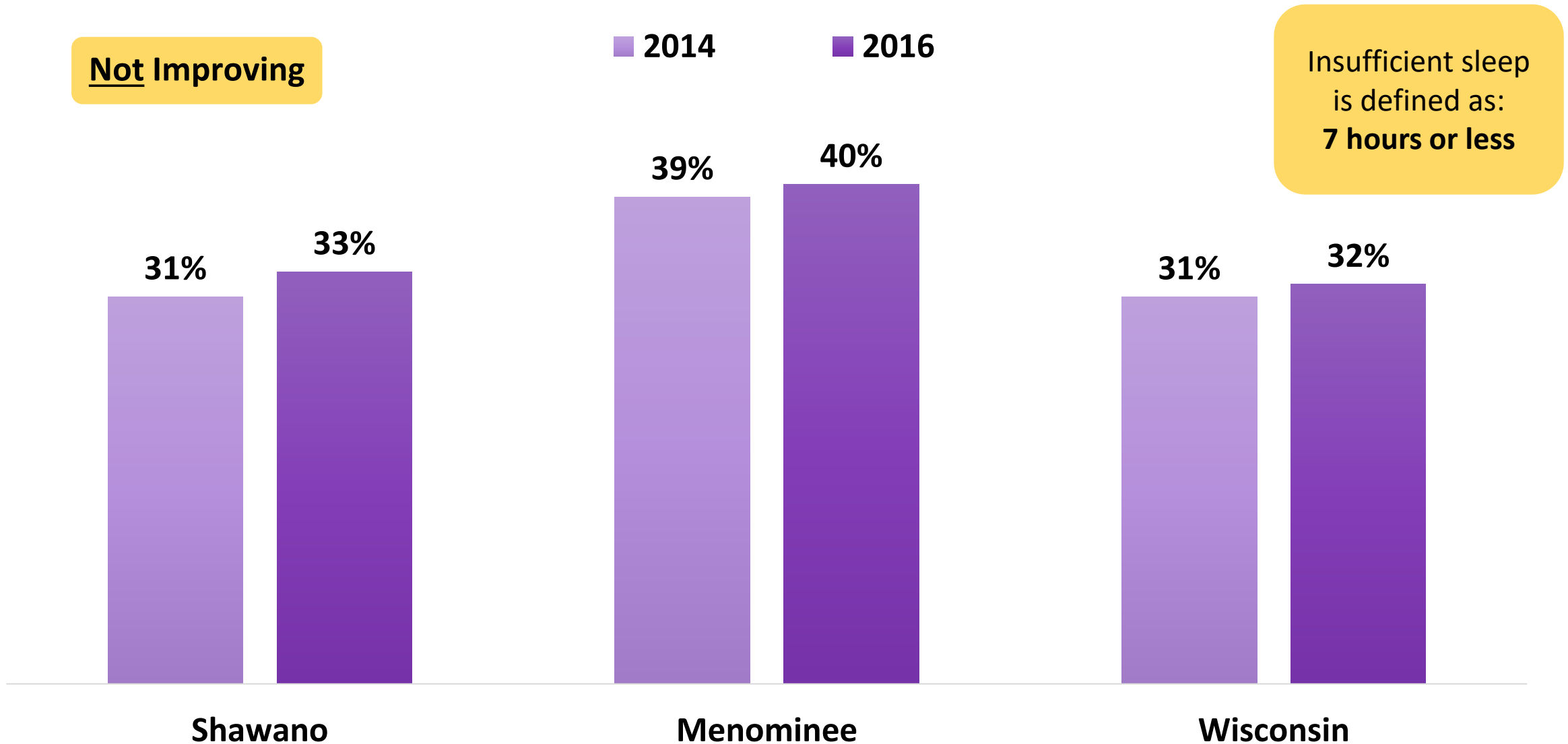




**Number of People Per Mental Health Provider  
Shawano County, Menominee County, and Wisconsin from 2015-2018**



# Percent of Adults Sleeping Fewer than 7 Hours per Night Shawano County, Menominee County, and Wisconsin

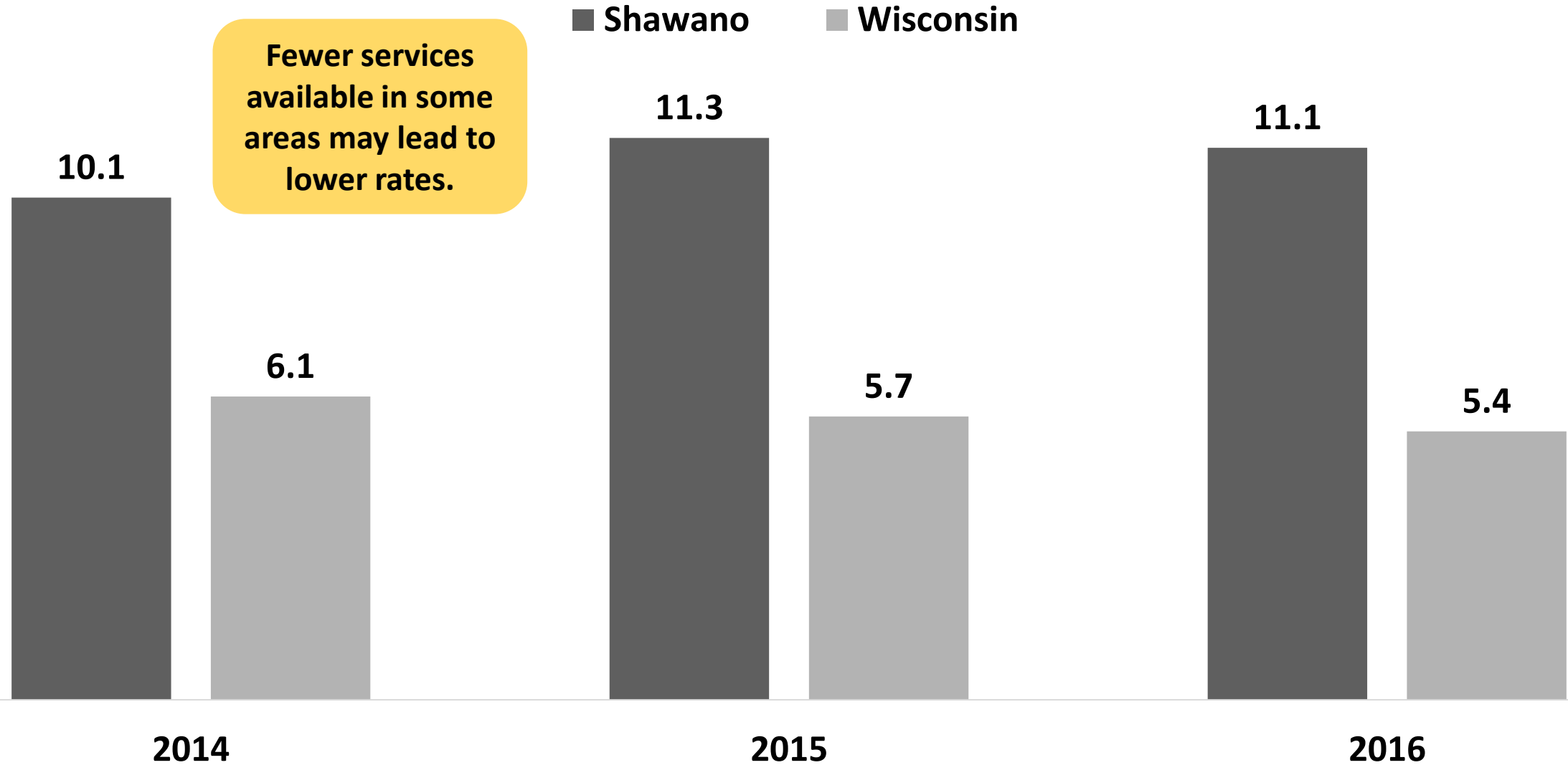


# References Mental Health

- County Health Rankings, University of Wisconsin Population Health Institute, School of Medicine and Public Health. (2019). *Poor Mental Health Days-Data*. Retrieved from <https://www.countyhealthrankings.org/app/wisconsin/2019/measure/outcomes/42/description>
- Department of Public Instruction. (2017). Wisconsin Youth Risk Behavior Survey. Retrieved from <https://dpi.wi.gov/sspw/yrbs>
- Wisconsin Department of Health Services, Injury Research Center at the Medical College of Wisconsin, and Mental Health America of Wisconsin. (2014). *The Burden of Suicide in Wisconsin*. Retrieved from <http://www.mhawisconsin.org/Data/Sites/1/media/suicide-prevention/burden-of-suicide-2014-final-electronic-version.pdf>

# Alcohol & Other Drug Use

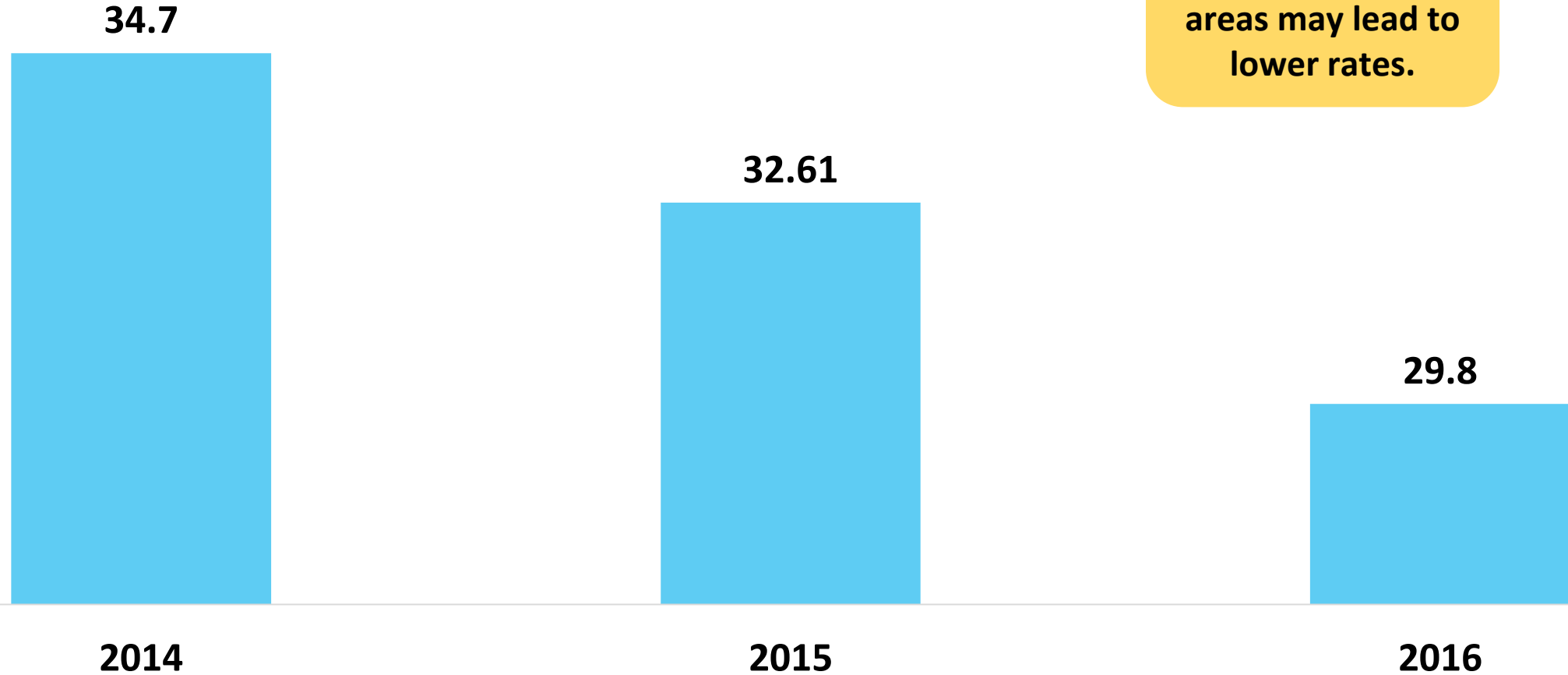
# Rate of Residents Who Use Substance Use Services (per 1,000 people) Shawano County & Wisconsin from 2014-2016



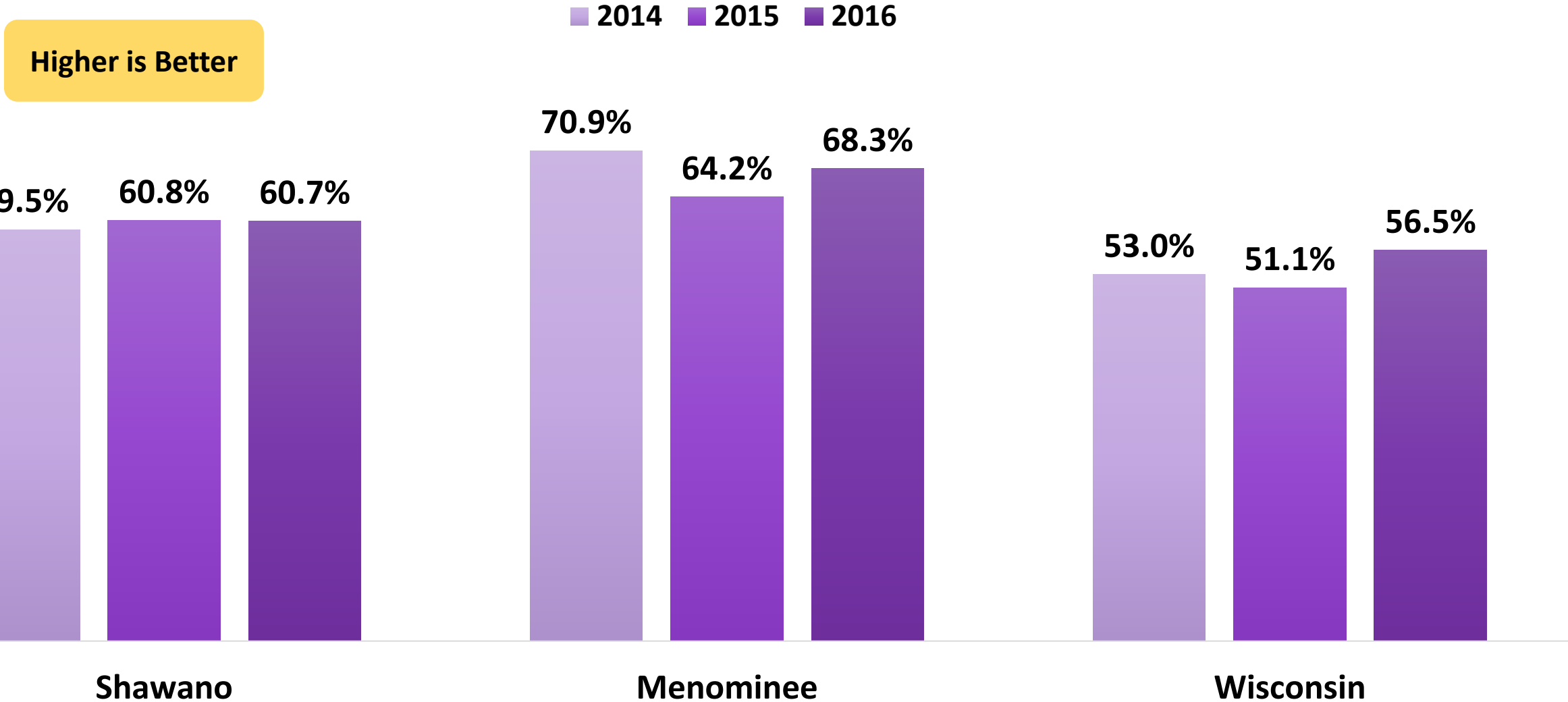
# Rate of Residents who use Substance Use Services (per 1,000 people) Menominee County from 2014-2016

■ Menominee

Fewer services  
available in some  
areas may lead to  
lower rates.



# Substance Use Participant Treatment Completion Rates Shawano County, Menominee County, and Wisconsin from 2014-2016



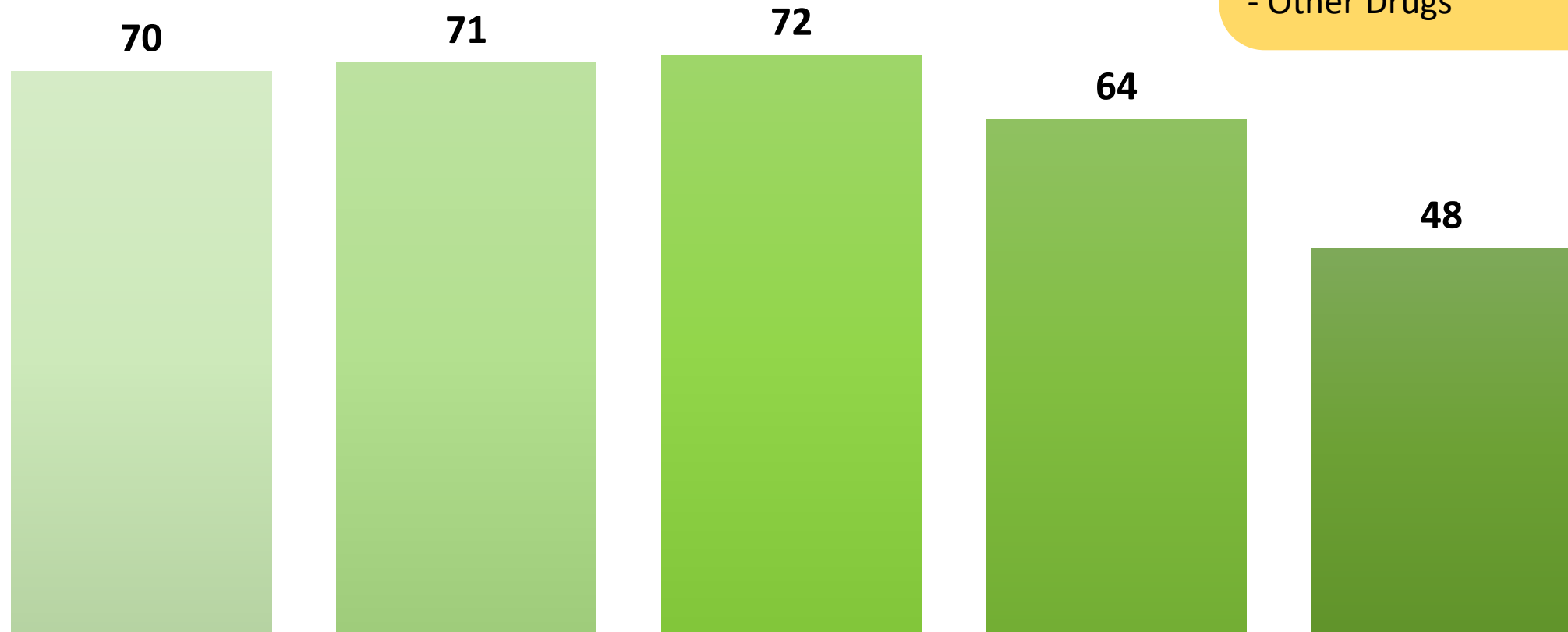
# Number of Substance Use Related Deaths Shawano County 2011-2015

Improving

2011 2012 2013 2014 2015

Substance use related deaths include deaths attributed to:

- Alcohol
- Tobacco Use
- Other Drugs



**ALCOHOL & OTHER DRUG USE (AOD)**

([Wisconsin Department of Health Services](#), 2017)

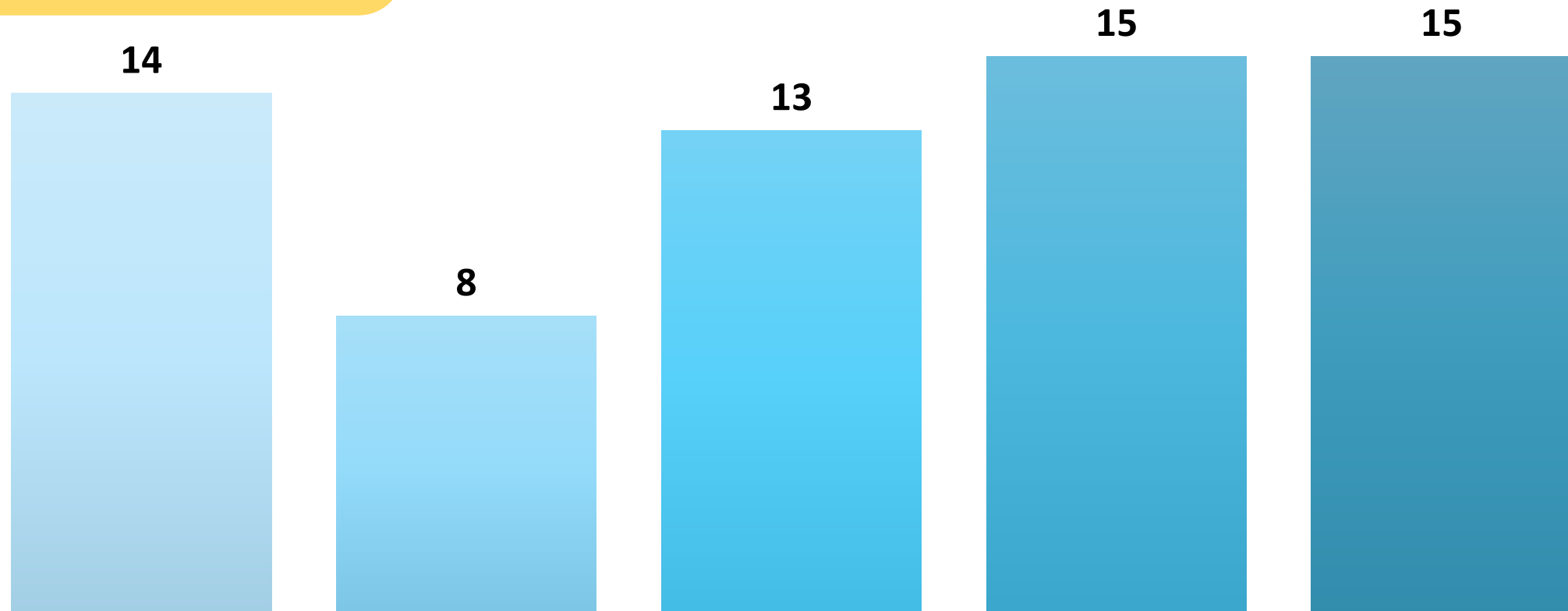


# Number of Substance Use Related Deaths Menominee County 2011-2015

Substance use related deaths  
include deaths attributed to:

- Alcohol
- Tobacco Use
- Other Drugs

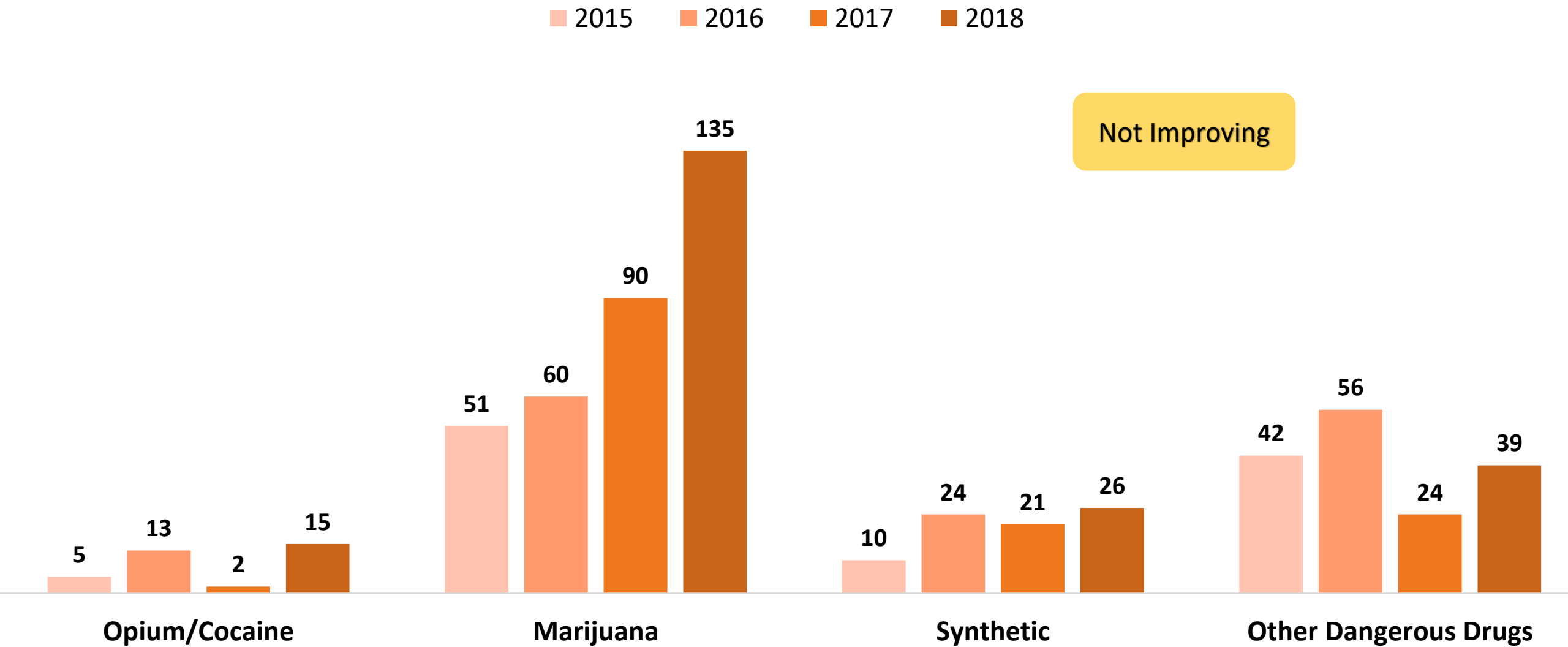
■ 2011 ■ 2012 ■ 2013 ■ 2014 ■ 2015



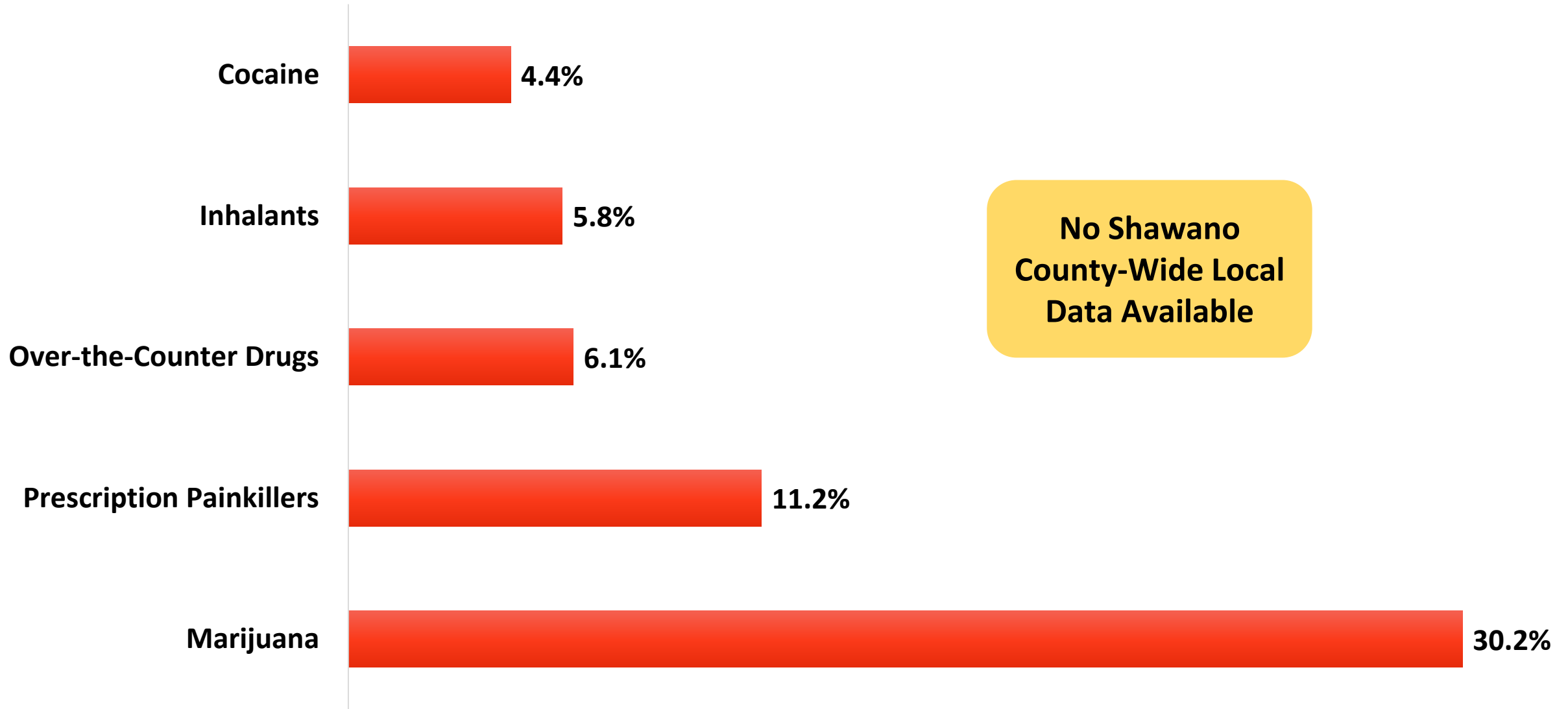
**ALCOHOL & OTHER DRUG USE (AOD)**

([Wisconsin Department of Health Services](#), 2017)

# Number of Drug Crime Arrests (Possession and Sale) by Drug Category Shawano and Menominee Counties Combined from 2015 to 2018

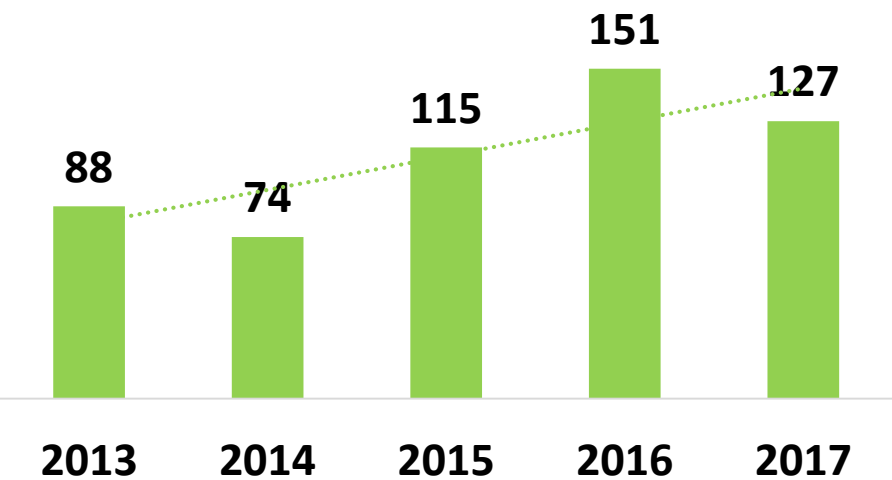


# High School Students Reported Using Substances to Get High Wisconsin in 2017



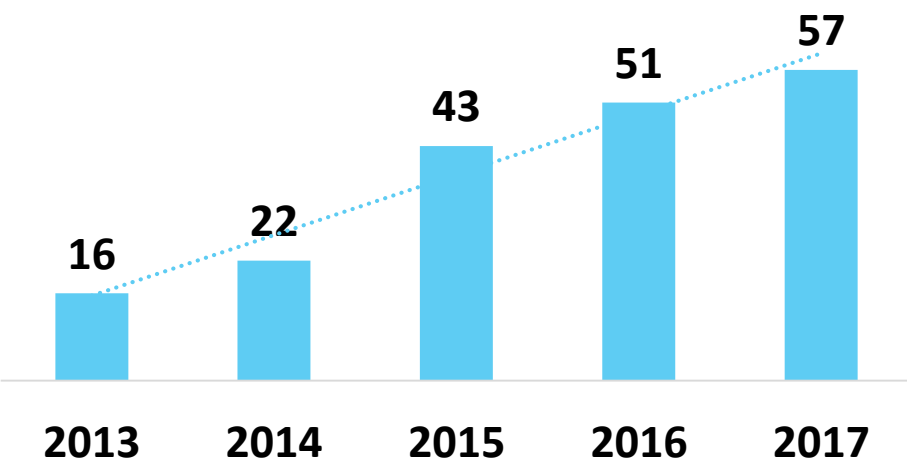
# Opioid Related Hospitalizations from 2013 to 2017

Shawano County

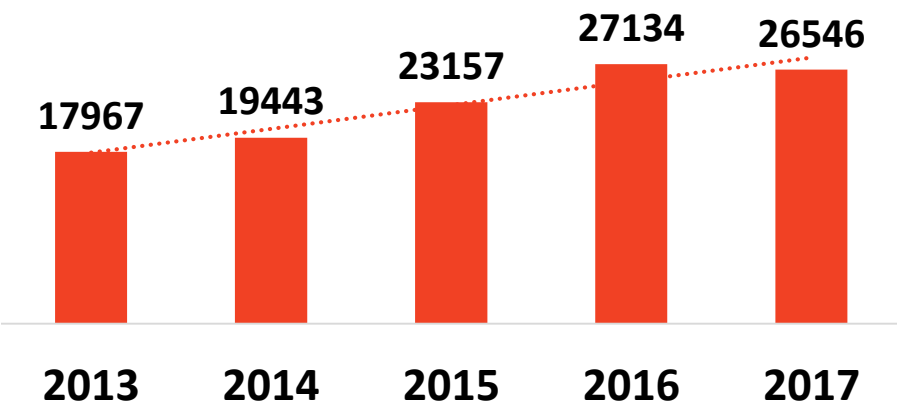


Not Improving

Menominee County

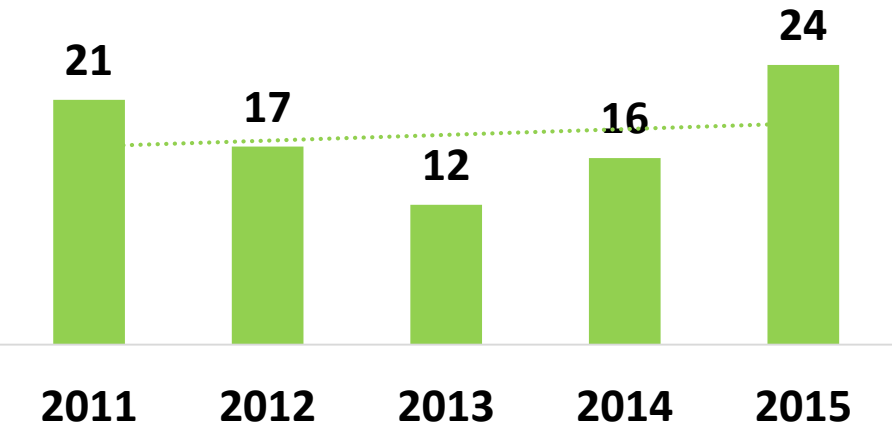


Wisconsin



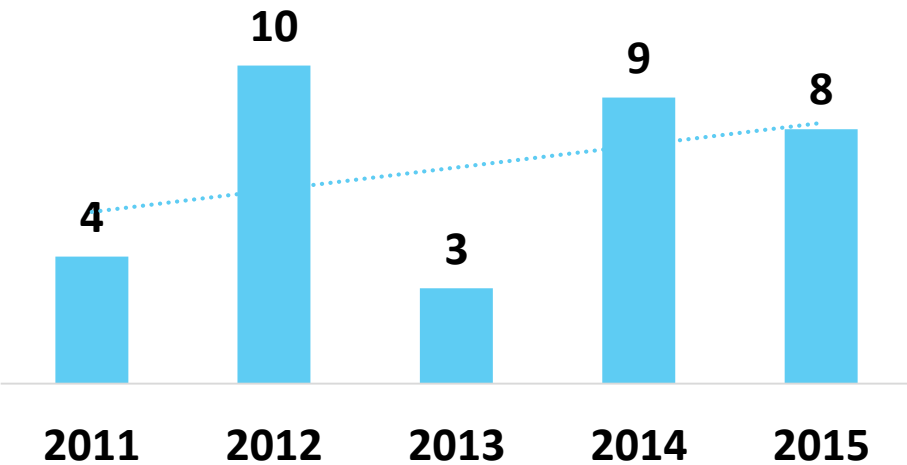
**Number of Ambulance Runs in which Naloxone was Administered  
Shawano County, Menominee County, Wisconsin from 2011-2015**

Shawano County

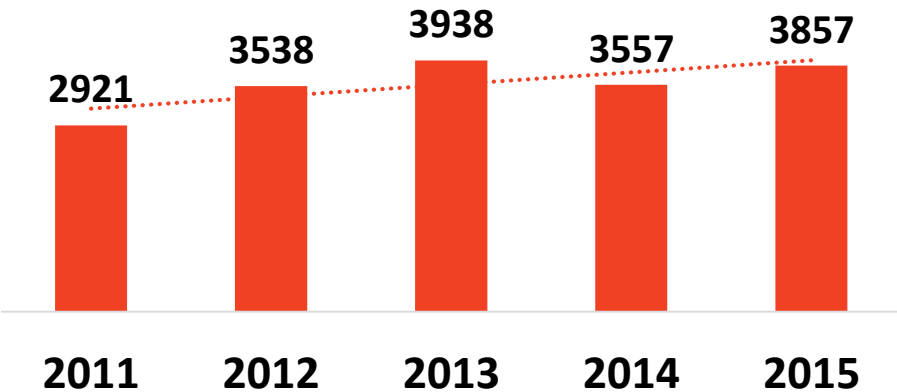


Not Improving

Menominee County

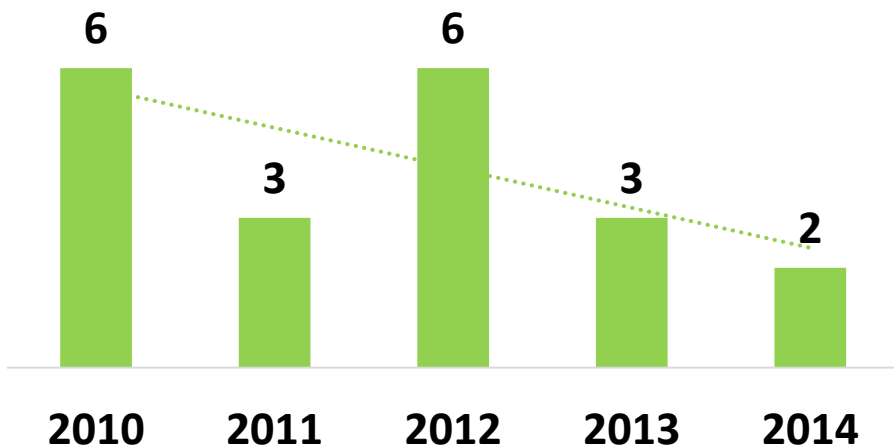


Wisconsin



# Number of Live Births with Neonatal Abstinence Syndrome (NAS) Shawano County, Menominee County, and Wisconsin 2010-2014

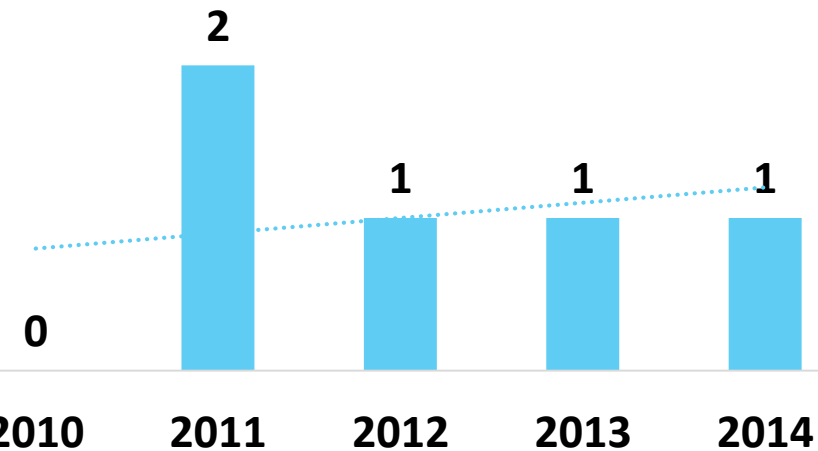
Shawano County



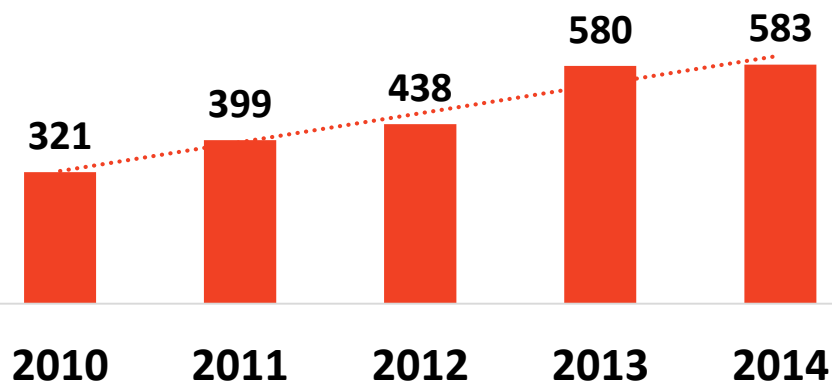
Shawano  
Improving

Menominee &  
Wisconsin  
Not Improving

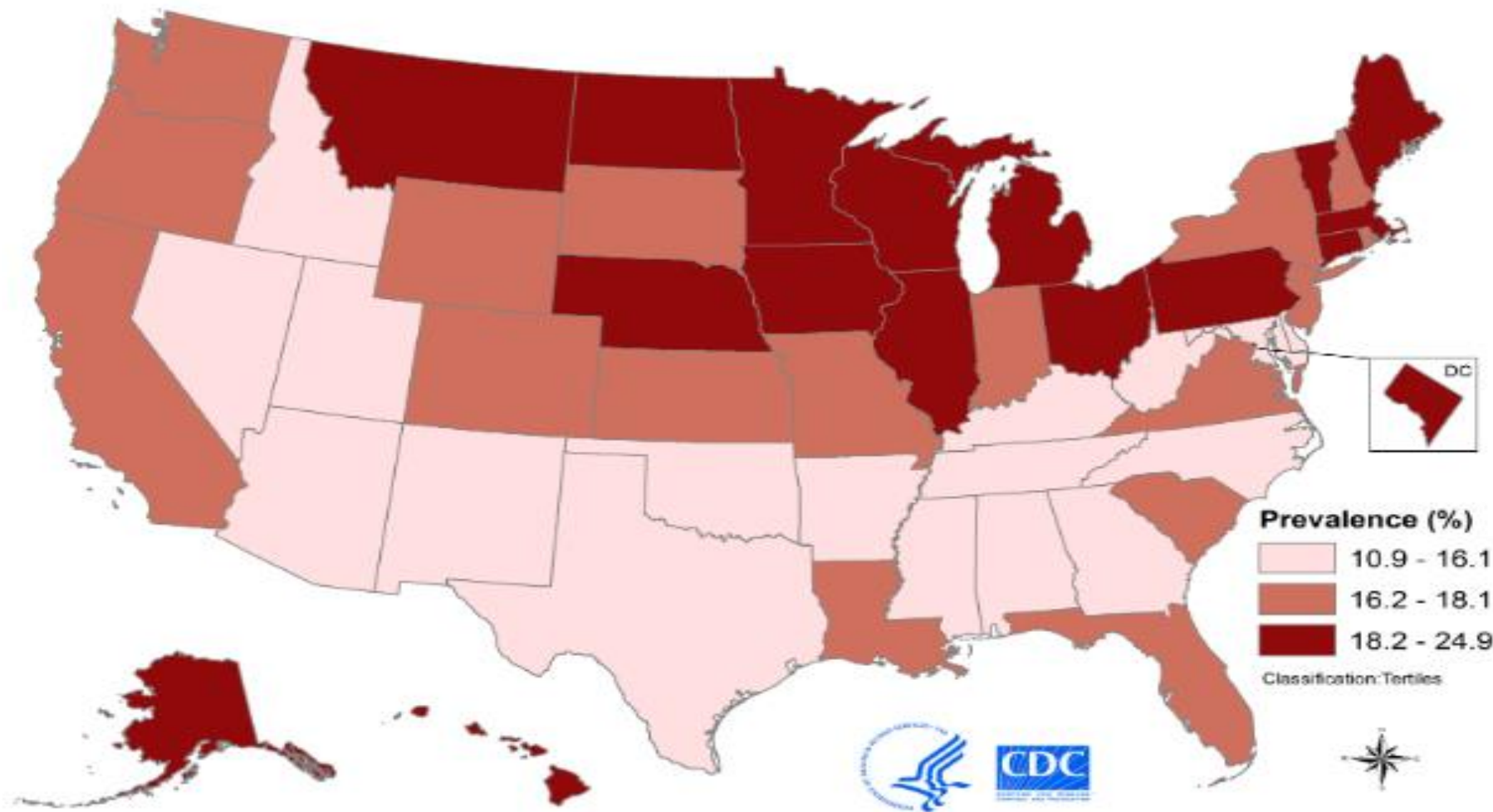
Menominee County



Wisconsin



# Binge Drinking in the United States in 2015

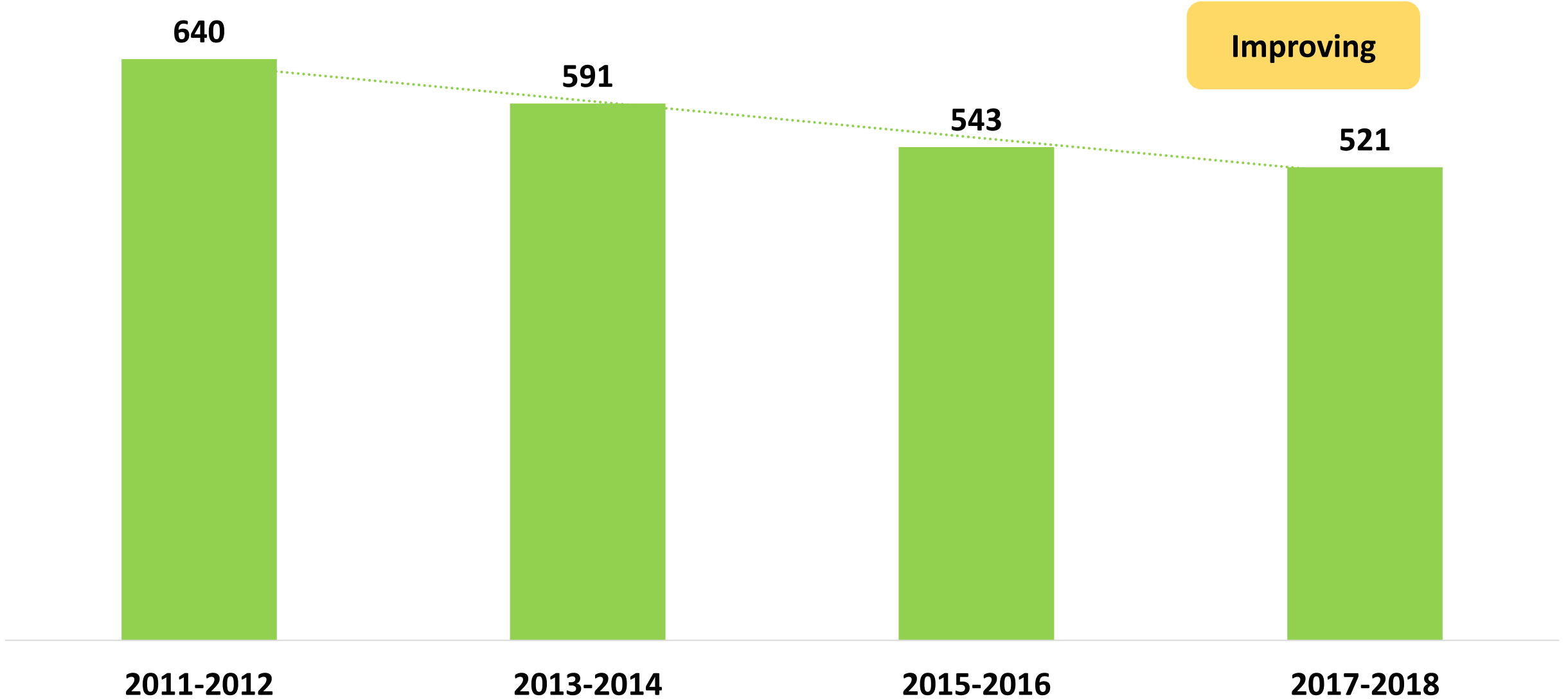


Wisconsin  
Ranked # 2 in  
Binge Drinking at  
24.5%.

Binge Drinking:  
5 or more drinks for  
males and 4 or  
more drinks for  
females on the  
same occasion.

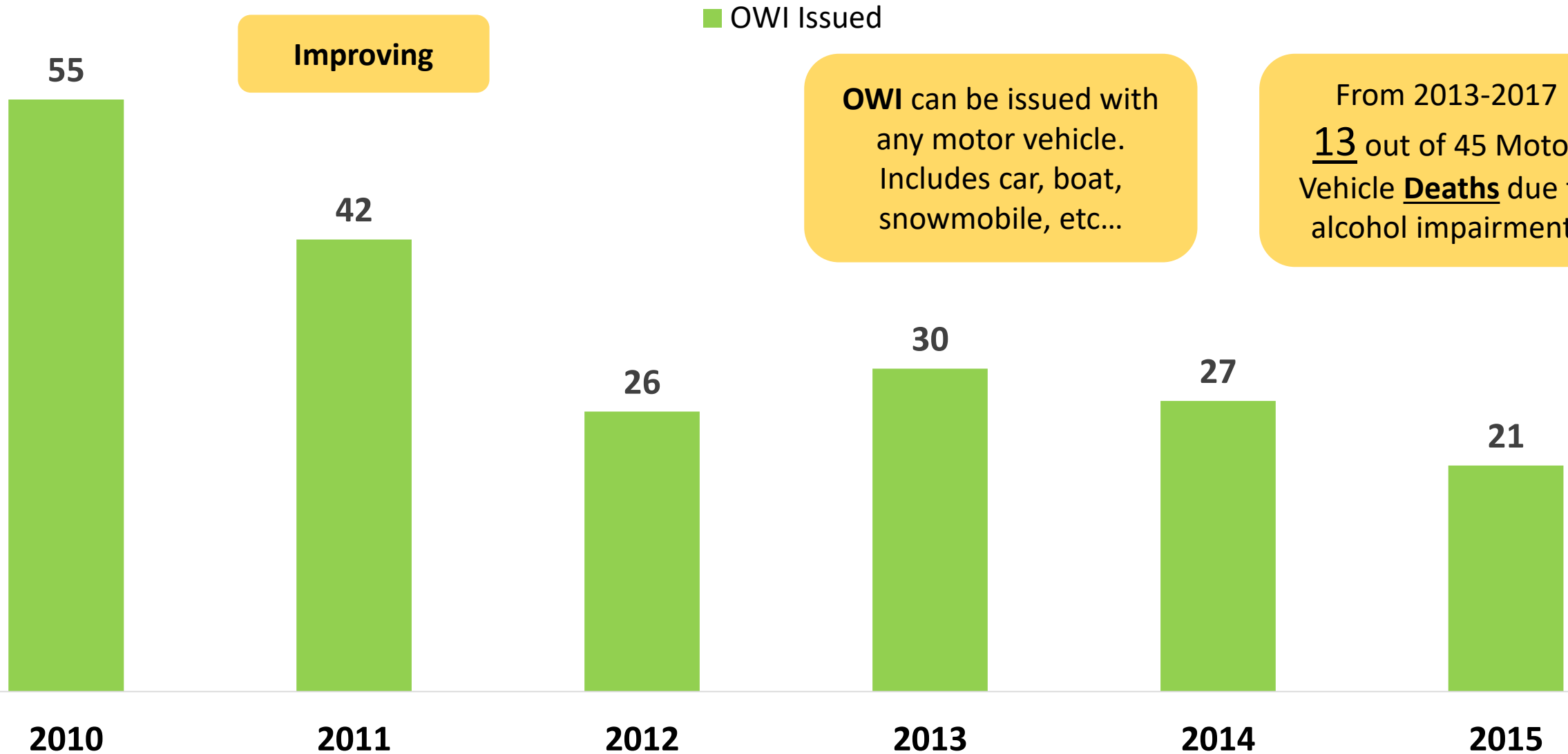
Wisconsin Ranked  
# 8 in Alcohol  
Related Deaths at  
36.9%.

# Alcohol related Hospitalizations Shawano County from 2011 to 2018

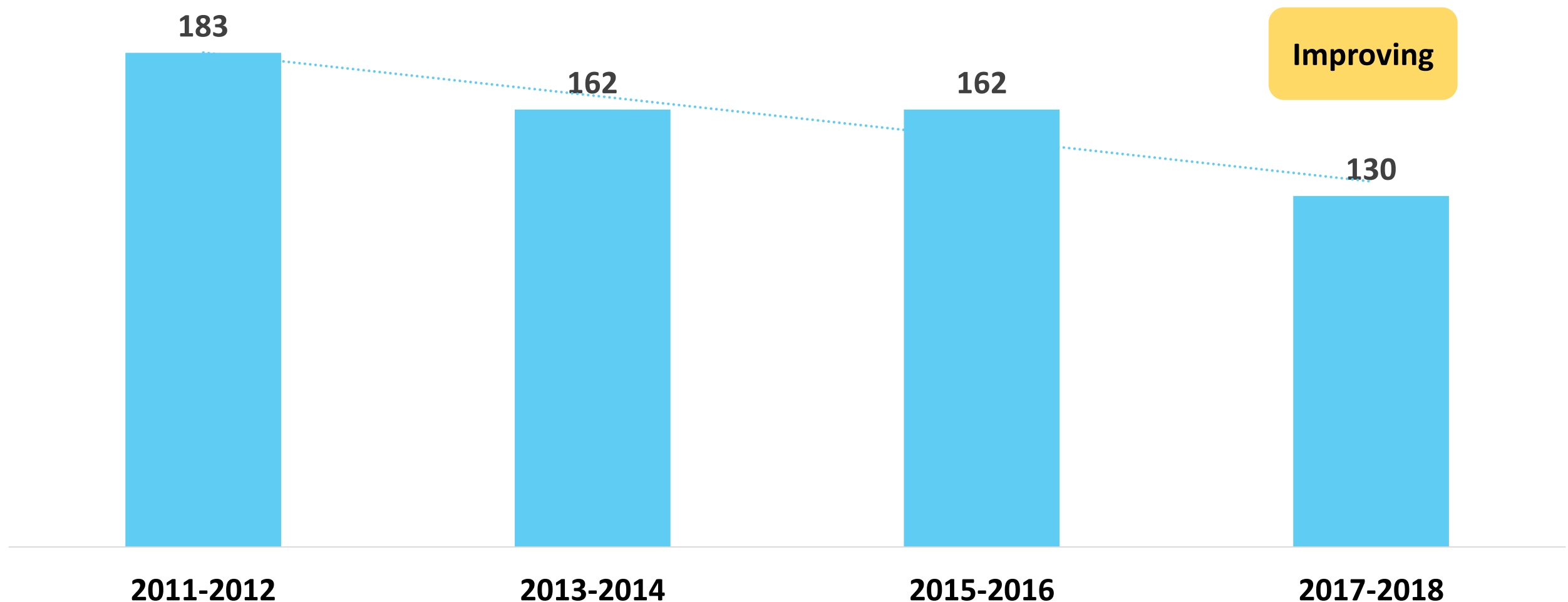




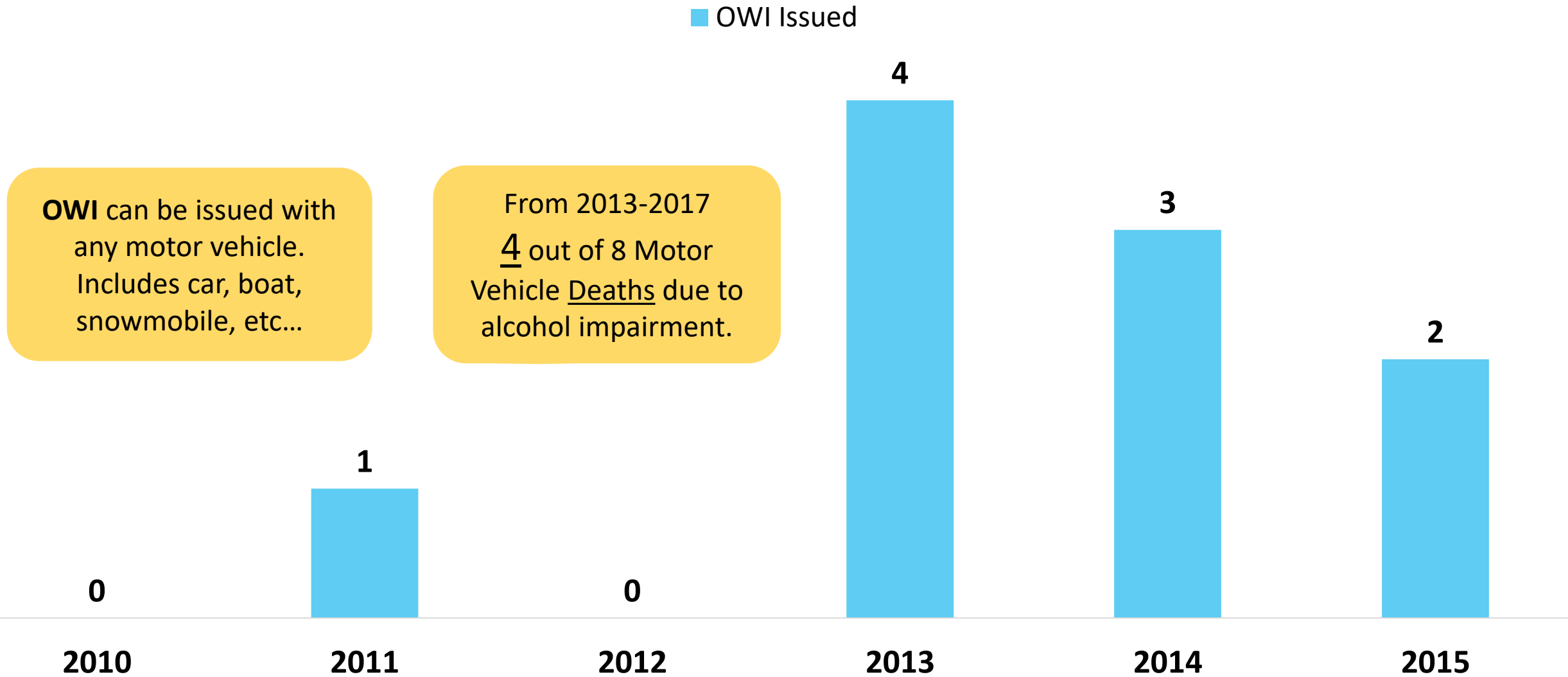
# Persons Injured in Crashes with Issued OWI (Operating While Intoxicated) Shawano County from 2010 to 2015



# Alcohol related Hospitalizations Menominee County from 2011 to 2018



# Persons Injured in Crashes with Issued OWI (Operating While Intoxicated) Menominee County from 2010 to 2015

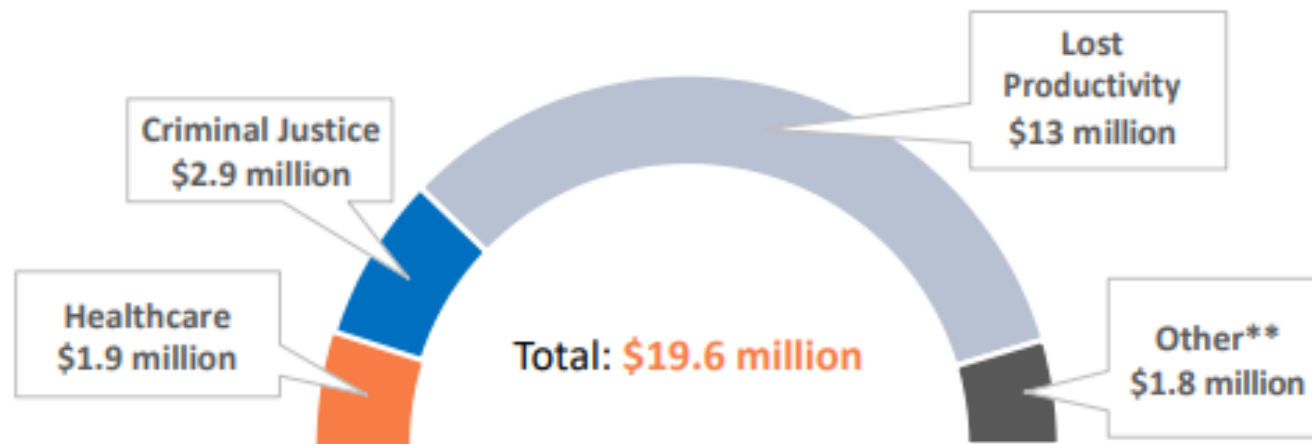



# Cost of Binge Drinking Shawano County from 2013 to 2018


**Binge drinking** = 5+  
drinks per occasion  
for men and 4+  
drinks per occasion  
for women

**\*Not enough data  
available for  
Menominee County to  
make reliable estimates.**

In Shawano County, the estimated annual economic cost of binge drinking is  
**\$19.6 million.**



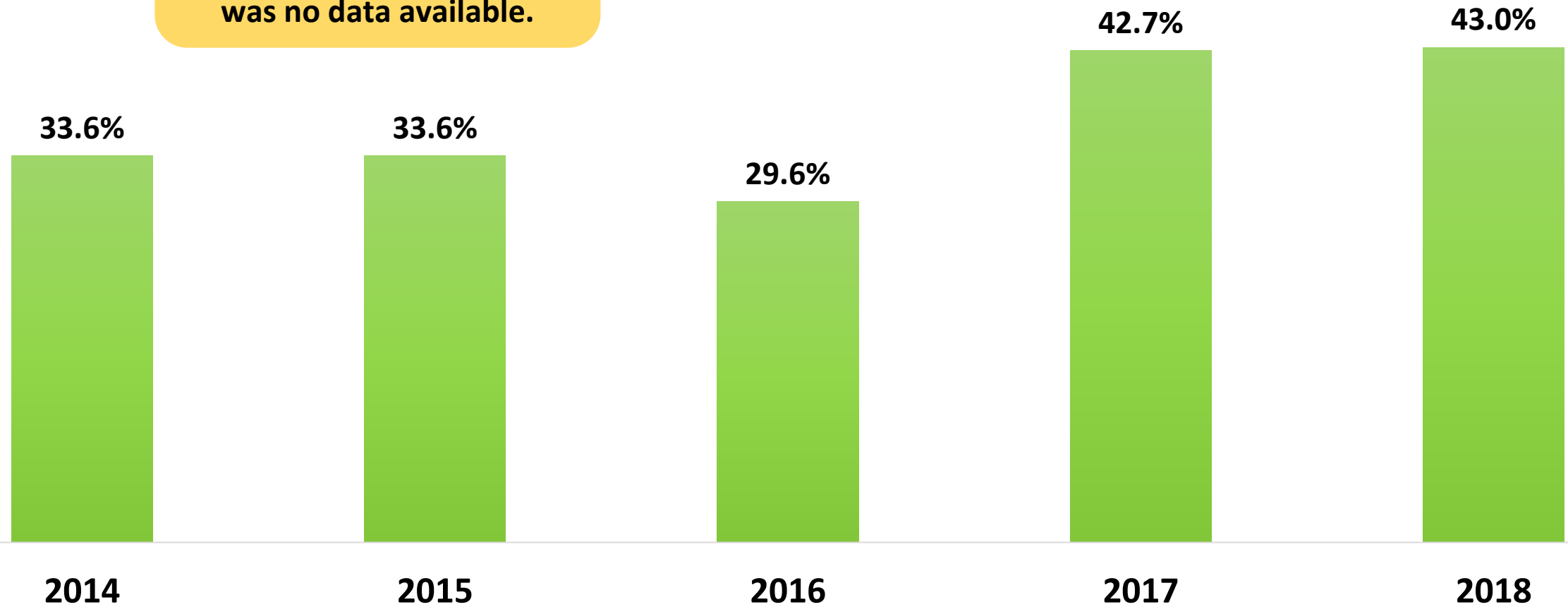
 **Cost per resident:**  
**\$472**

 **Cost to the government:**  
**\$8.1 million**

# Percentage of Juvenile Liquor Law Arrests versus Total Liquor Law Arrests Shawano County from 2014 to 2018

There were either 0 juvenile liquor law arrests in Menominee County or there was no data available.

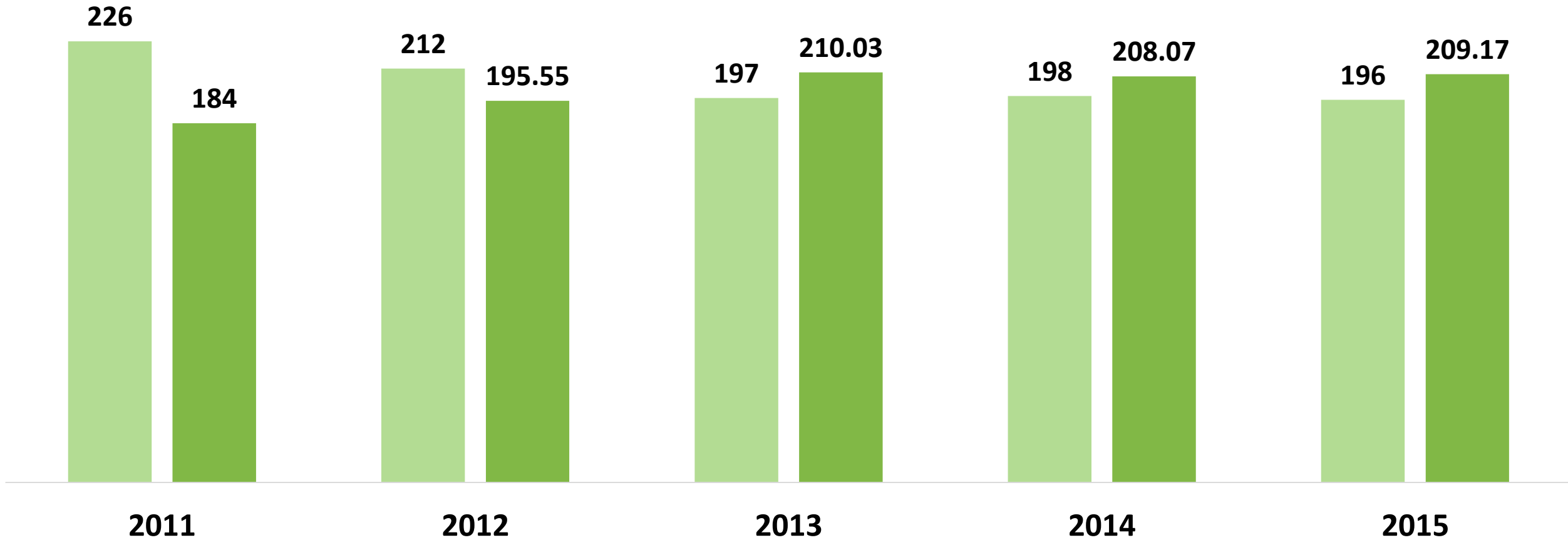
Lower is better



# Total Number of Alcohol Licenses and Number of People Per License Shawano County from 2011 to 2015

Improving

■ Total Number of Licenses ■ People Per License



# Total Number of Alcohol Licenses and Number of People Per License Menominee County from 2011 to 2015

■ Number of Licenses ■ People Per License

Improving

311.68

14

2011

335.58

13

2012

492.11

9

2013

562.56

8

2014

565.44

8

2015

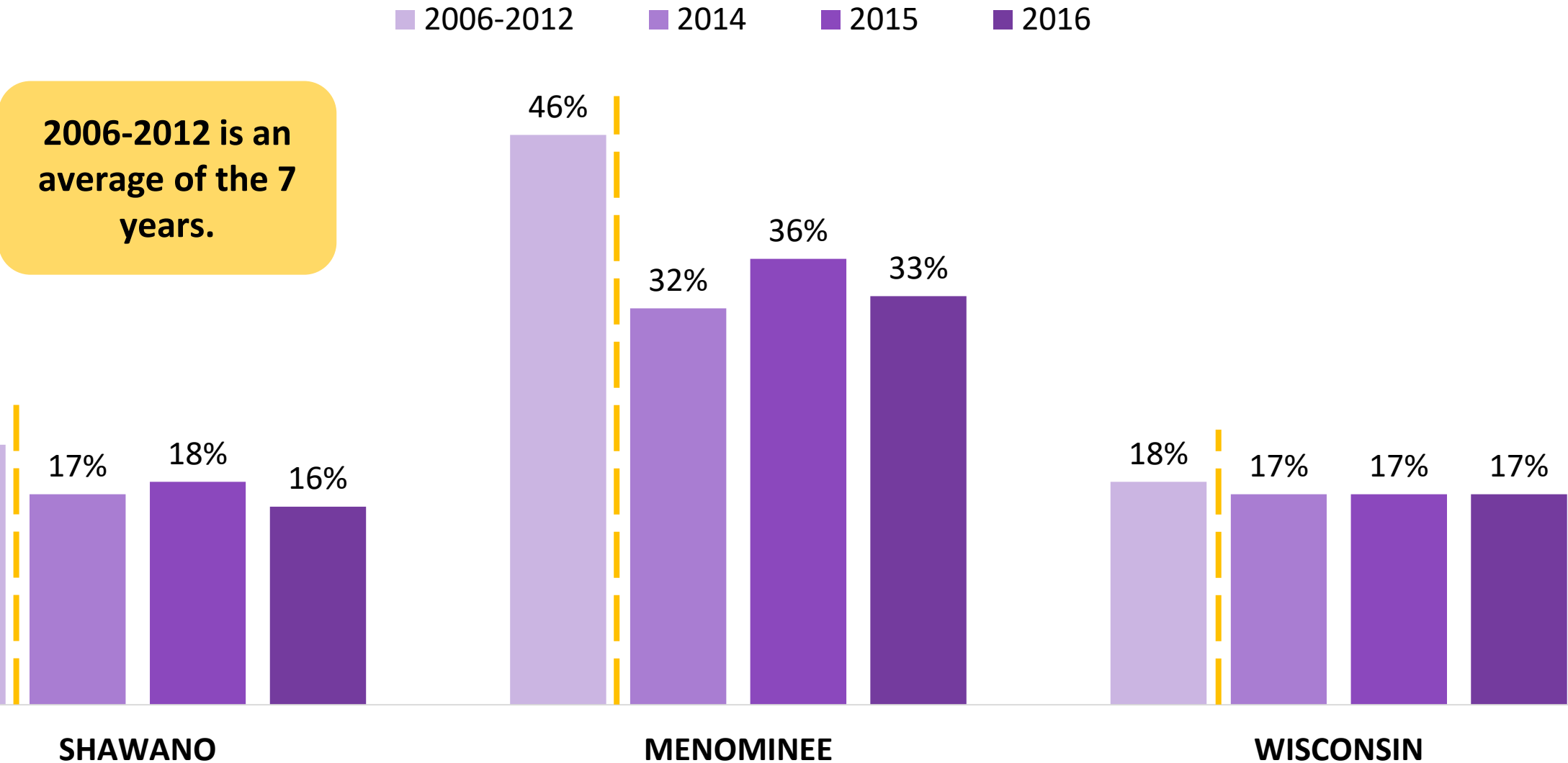
# References Alcohol & Other Drug Use

- United States Department of Health and Human Services, Centers for Disease Control and Prevention, Division of Population Health, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention. (2018, March 27). Data and Maps. Retrieved from <https://www.cdc.gov/alcohol/data-stats.htm>
- University of Wisconsin Population Health Institute. (2019). *The Burden of Binge Drinking in Wisconsin*. Retrieved from <https://uwphi.pophealth.wisc.edu/wp-content/uploads/sites/316/2019/10/The-Burden-of-Binge-Drinking-in-Wisconsin-Full-Report-2.pdf>
- Wisconsin Department of Health Services, Program Participation System. (2018, September 13). Substance Use Participants Served Per 1,000. Retrieved from <https://www.dhs.wisconsin.gov/aoda/substance-use-participants-served.htm>
- Wisconsin Department of Health Services, Program Participation System. (2018, July 2). Substance Use Participant Treatment Completion Rates. Retrieved from <https://www.dhs.wisconsin.gov/aoda/substance-use-treatment-completion.htm>
- Wisconsin Department of Health Services. (2018, February 28). Menominee County: Public Health Profiles. Retrieved from <https://www.dhs.wisconsin.gov/stats/phprofiles/menominee.htm>
- Wisconsin Department of Health Services. (2018, February 28). Shawano County: Public Health Profiles. Retrieved from <https://www.dhs.wisconsin.gov/stats/phprofiles/shawano.htm>
- Wisconsin Department of Health Services, Environmental Public Health Data Tracker. (2019, July 11). Alcohol-Alcohol-Outlet Density, 2015-2016~County~ Total Licenses. Retrieved from <https://dhsgis.wi.gov/DHS/EPHTracker/#/map/Alcohol/alcoholIndex/NOTRACT/Alcohol/alcoholIndex2>
- Wisconsin Department of Health Services, Environmental Public Health Data Tracker. (2019, July 11). Alcohol-Alcohol-Outlet Density, 2015-2016~County~ People Per License. Retrieved from <https://dhsgis.wi.gov/DHS/EPHTracker/#/map/Alcohol/alcoholIndex/NOTRACT/Alcohol/alcoholIndex2>
- Wisconsin Department of Health Services, Environmental Public Health Data Tracker. (2019). Alcohol-Alcohol Hospitalizations, 2017-2018~County ~ Count. Retrieved from <https://dhsgis.wi.gov/DHS/EPHTracker/#/map/Alcohol/alcoholIndex/NOTRACT/Alcohol/alcoholIndex1>
- Wisconsin Department of Health Services, Wisconsin Interactive Statistics on Health (WISH) Query System. (2018, December 14). Opioid-Related Hospital Encounters. Retrieved from <https://www.dhs.wisconsin.gov/wish/opioid/hospital-encounters.htm>
- Wisconsin Department of Health Services. (2016). *Select Opioid-Related Morbidity and Mortality Data for Wisconsin*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p01690.pdf>
- Wisconsin Department of Justice. (2019, April 19). Wisconsin Uniform Crime Reporting (UCR) Data Dashboard Center-UCR Offense and Arrest Data by Agency. Retrieved from <https://www.doj.state.wi.us/dles/bjia/ucr-offense-and-arrest-data-agency>
- Wisconsin Department of Public Instruction. (2018, March). 2017 Wisconsin Youth Risk Behavior Survey [Report]. Retrieved from <https://dpi.wi.gov/sites/default/files/imce/sspw/pdf/yrbs-2017-final-summary-report.pdf>

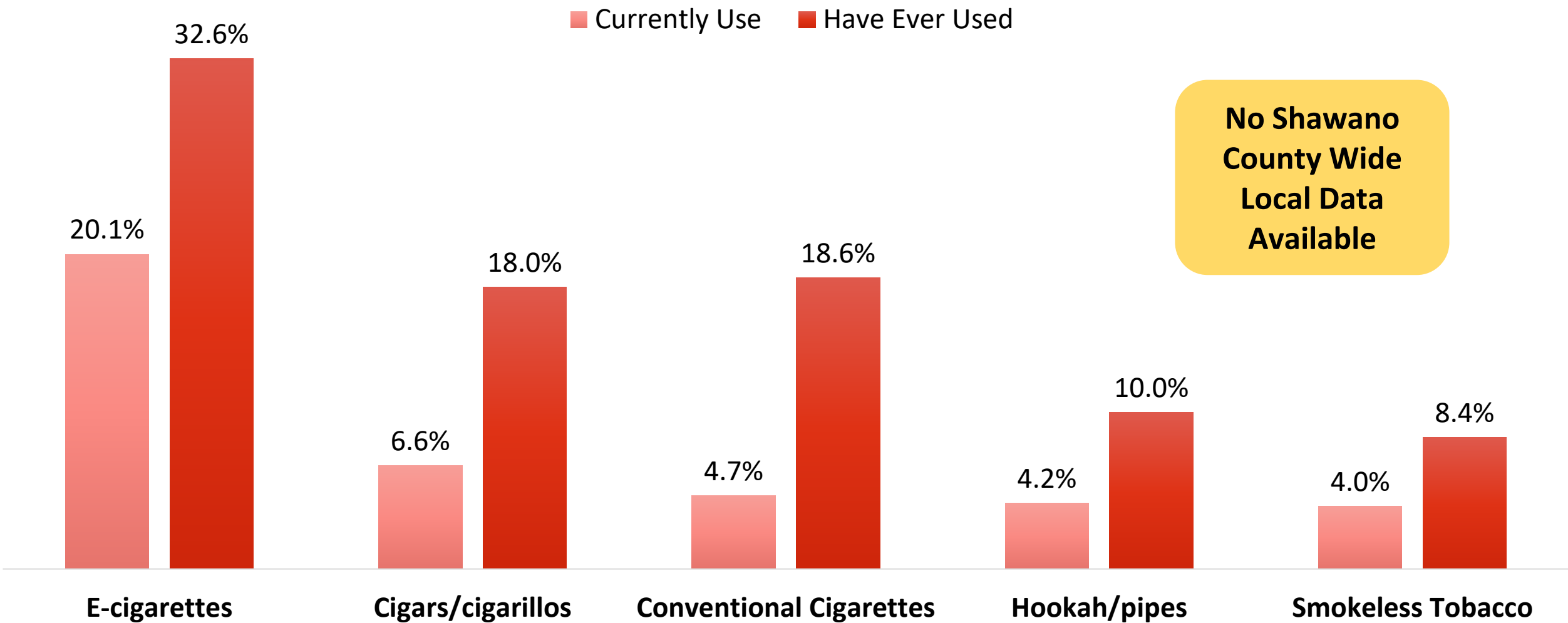


# Tobacco Use & Exposure

# Percentage of Adult Smokers Shawano County, Menominee County, and Wisconsin from 2006 to 2016



# Percentage of High School Students Who Used Tobacco Products Wisconsin in 2017



# Percentage of Females who Smoked during Pregnancy Shawano County and Wisconsin from 2013-2017

Improving

■ 2013

■ 2014

■ 2015

■ 2016

■ 2017

19.78%

18.49%

16.17%

18.18%

18.10%

10.46%

10.14%

9.35%

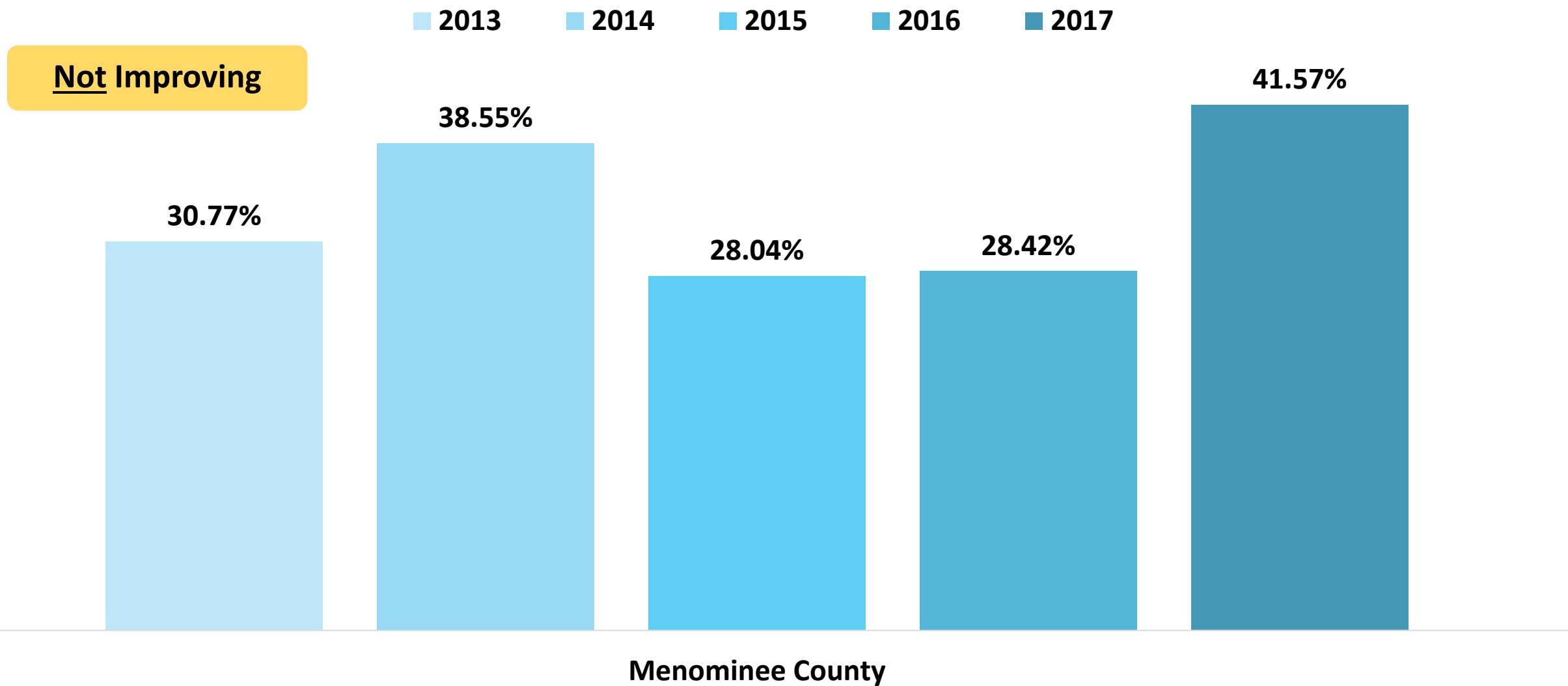
8.85%

8.77%

Shawano County

Wisconsin

# Percentage of Females who Smoked during Pregnancy Menominee County and Wisconsin from 2013-2017



# References Tobacco Use & Exposure

- County Health Rankings, University of Wisconsin Population Health Institute. (2015, 2016, 2017, 2018, 2019). *Adult Smoking*. Retrieved from <https://www.countyhealthrankings.org/app/wisconsin/2015/measure/factors/9/data>
- Department of Public Instruction. (2017). Wisconsin Youth Risk Behavior Survey. Retrieved from <https://dpi.wi.gov/sspw/yrbs>
- Wisconsin Department of Health Services. (2019). Wisconsin Interactive Statistics on Health (WISH) Data Query System. Retrieved from <https://www.dhs.wisconsin.gov/wish/index.htm>

# Section 2

Environmental and Occupational Health

Chronic Disease

Communicable Disease

Reproductive Health

# Environmental & Occupational Health

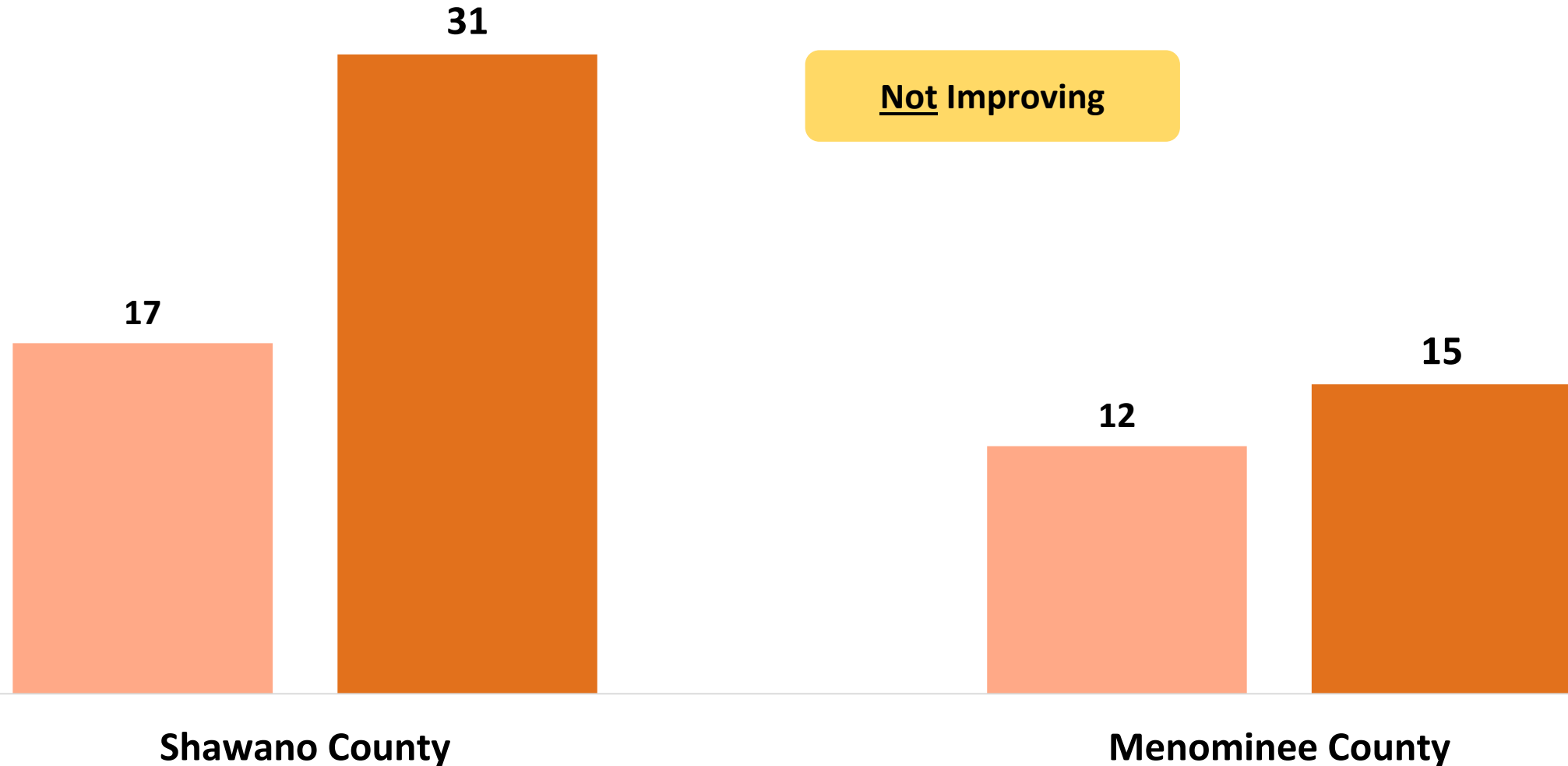


## Air Quality and Factors that May Affect It Shawano County, Menominee County, & Wisconsin

	Shawano	Menominee	Wisconsin
<u>Air Pollution</u> - Average Daily Density of Fine Particulate Matter in Micrograms per Cubic Meter [PM <sub>2.5</sub> ] (2014 data)	8.6 PM <sub>2.5</sub>	8.0 PM <sub>2.5</sub>	8.6 PM <sub>2.5</sub>
Percent that <u>Drive Alone to Work</u> (2013-2017)	82%	73%	81%
<u>Long Commute Driving Alone</u> (2013-2017)	34%	13%	27%

# Carbon Monoxide Poisonings Shawano County & Menominee County – 2005-2014

2005-2009 2010-2014

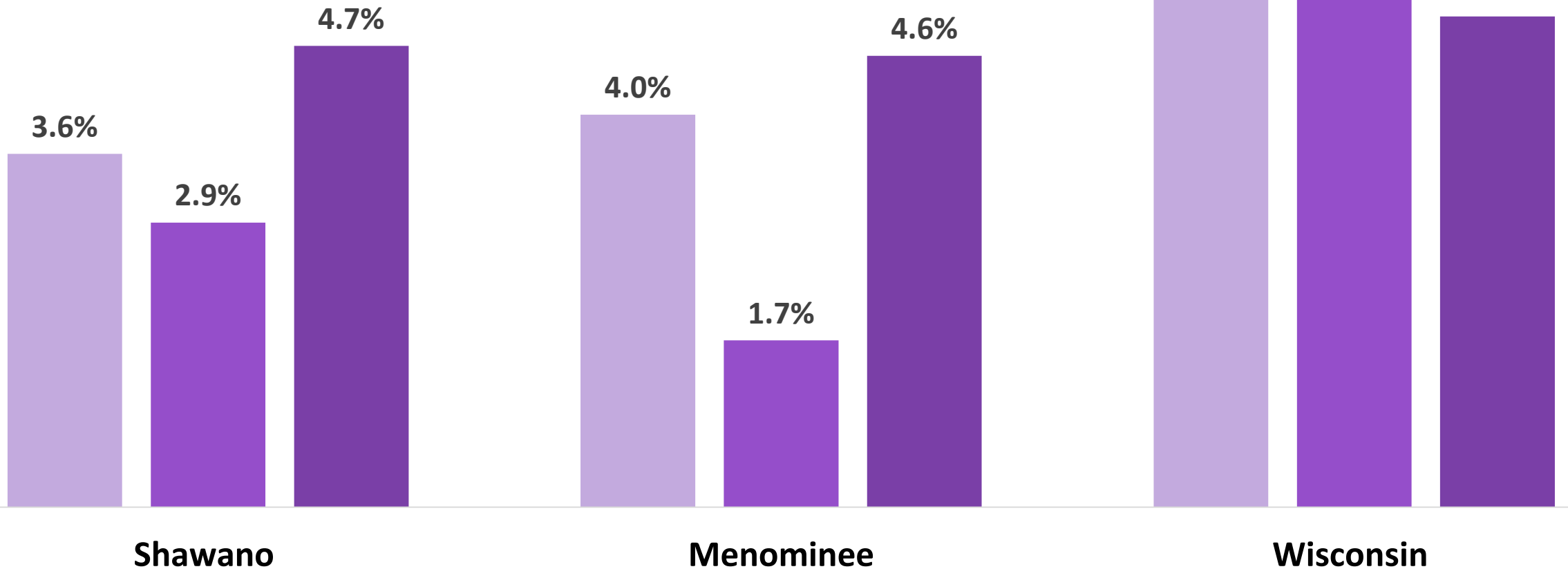


# Percent of Children with Blood Lead Levels $\geq 5 \mu\text{g/dL}$ Shawano County, Menominee County, and Wisconsin – 2014-2016

Blood lead levels  $\geq 5 \mu\text{g/dL}$   
are considered unsafe

2014 2015 2016

Not Improving



# Water Fluoridation

## Shawano County & Menominee County – 2019

### Shawano County Public Water Systems

Number of Water Systems

13

Percent of Water Systems with Optimal Fluoride Levels  
(0.7 mg/L)

(15%)  
2 of 13

0.7 mg/L is the recommended level of fluoride in water systems to help protect teeth against cavities.

### Menominee County Public Water Systems

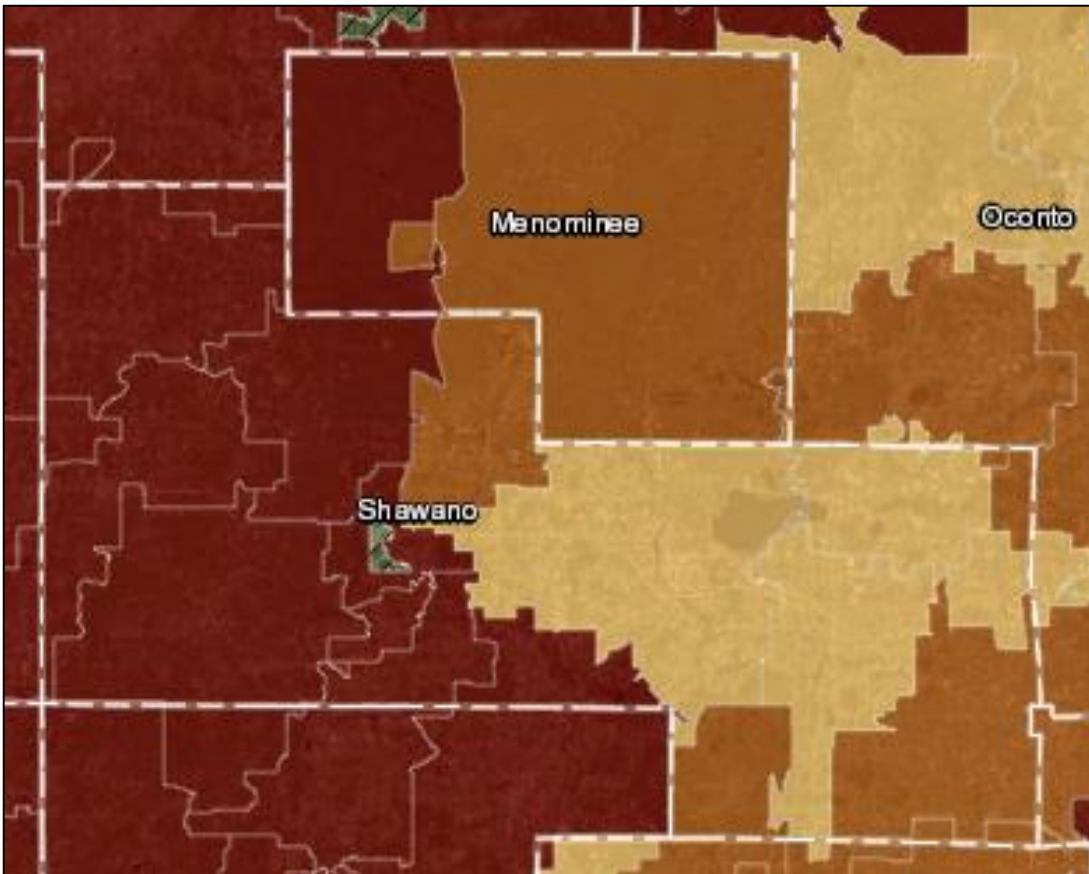
Number of Water Systems

3

Percent of Water Systems with Optimal Fluoride Levels  
(0.7 mg/L)

100%

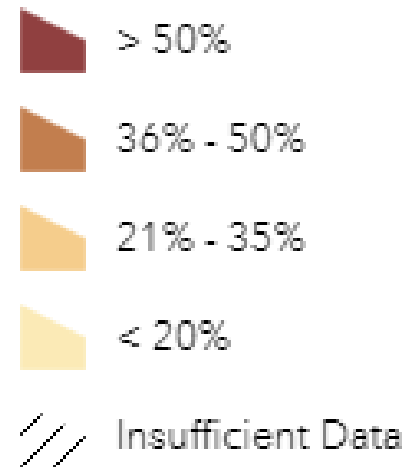
## Percent of Radon Tests above 4 pCi/L Average by Zip Code from 1995 to 2016



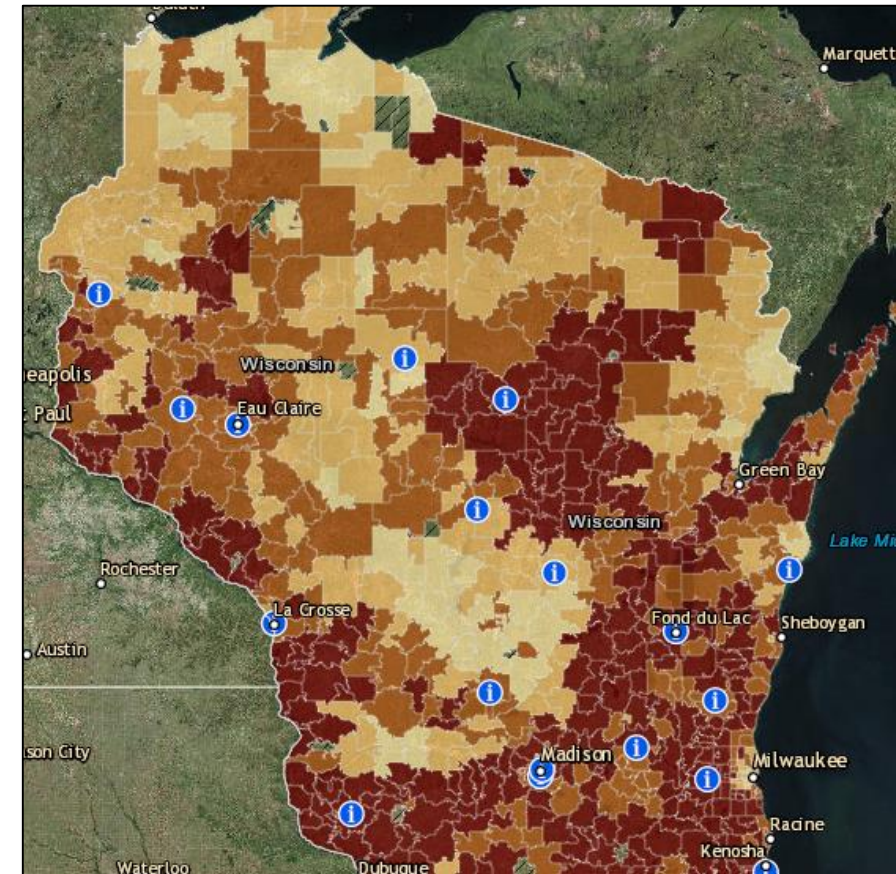
### Radon Gas:

- Occurs naturally in soil.
- Varies from one house to the next.

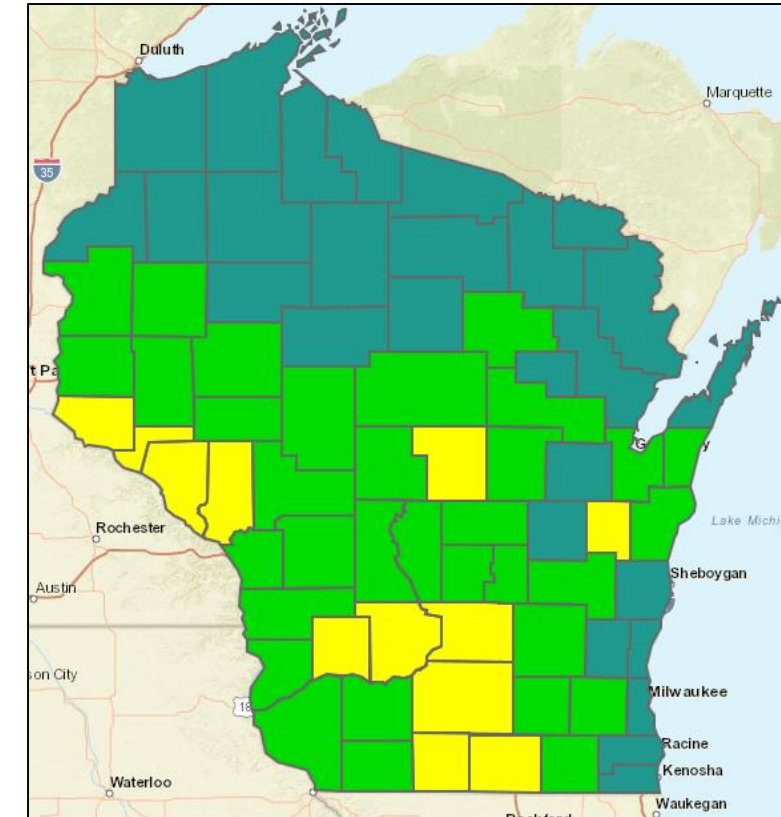
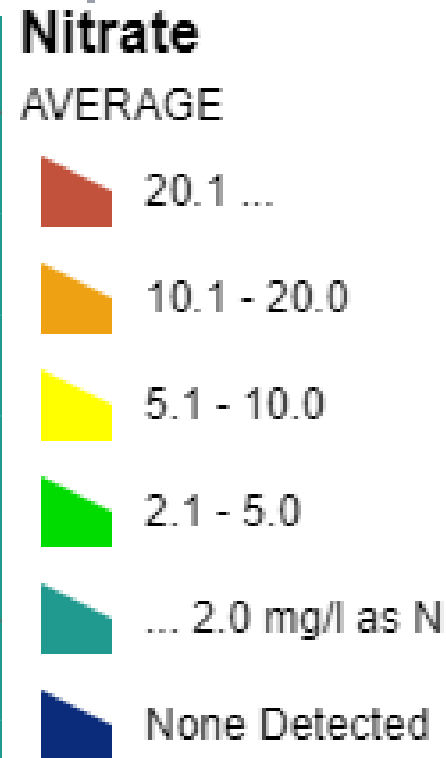
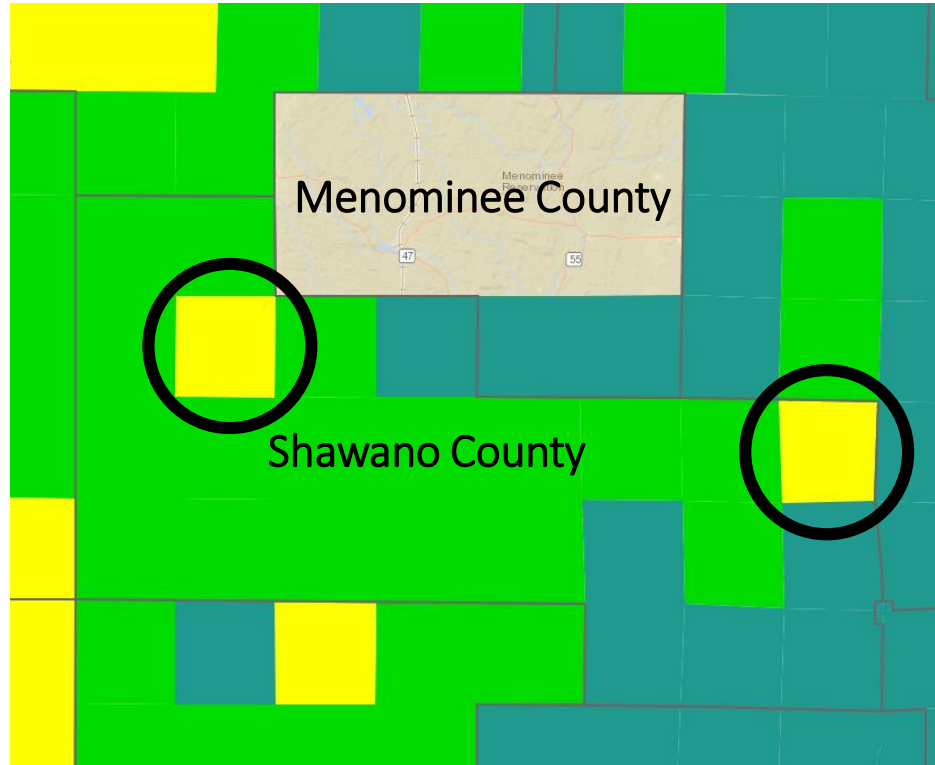
Percent of tests  
above 4 pCi/L.:



Maximum  
Acceptable Level  
of Radon is  
4 pCi/L



# Positive Well Water Tests for Nitrates ( $\geq 10$ mg/L) Averages from Past 25 Years

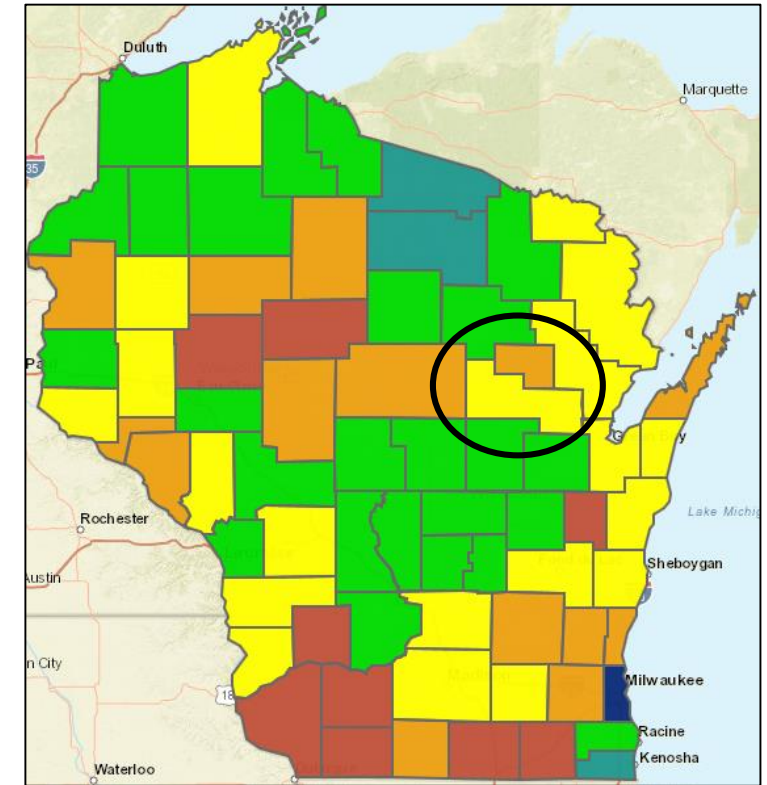
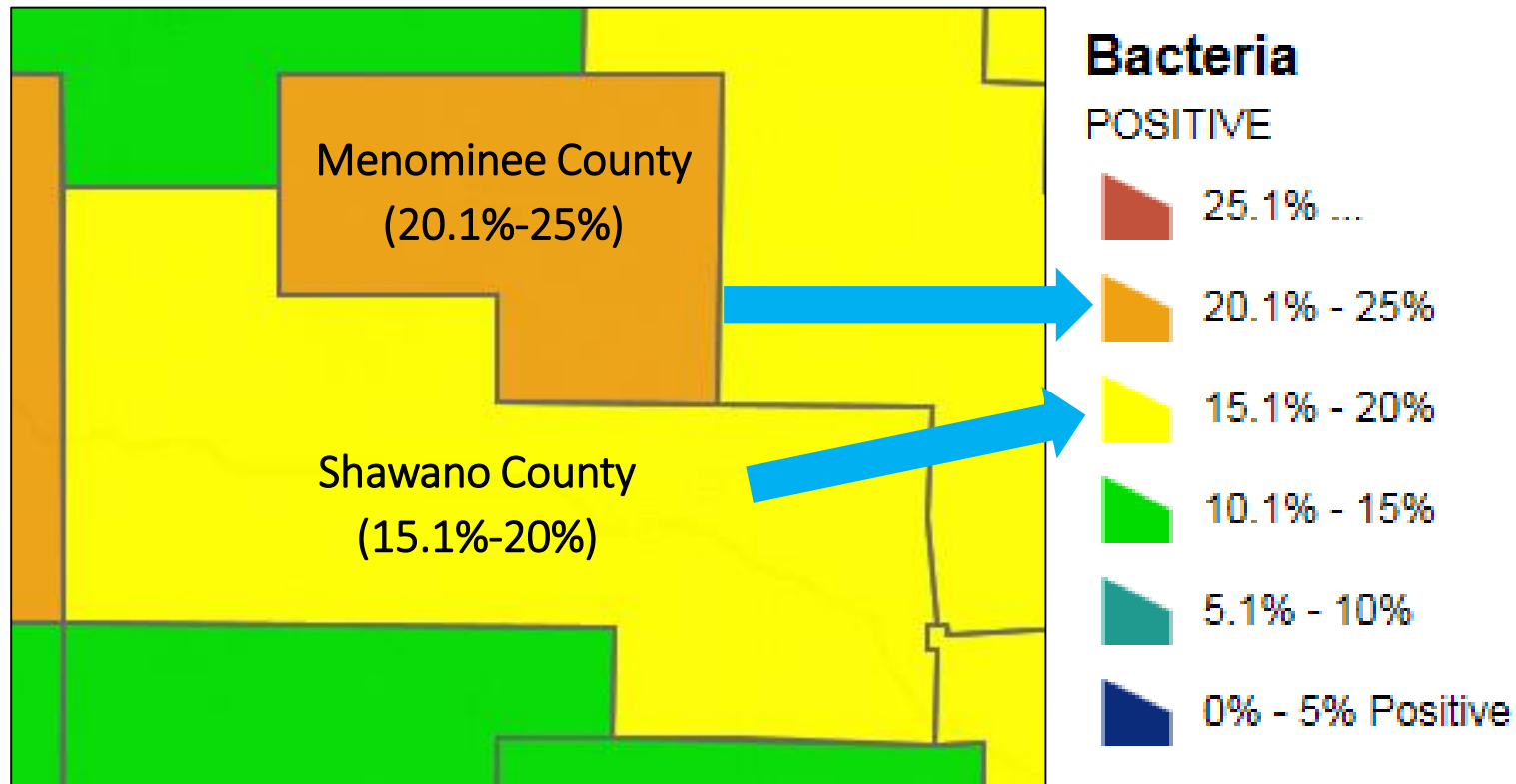


Bowler and Green Valley  
areas have levels averaging  
5.1-10.0 mg/L

Nitrate naturally occurs from fertilizers and animal/human  
waste (septic systems, manure storage).  
**10.0 mg/L** is considered unsafe for Nitrates  
High levels of nitrates are linked to birth defects.

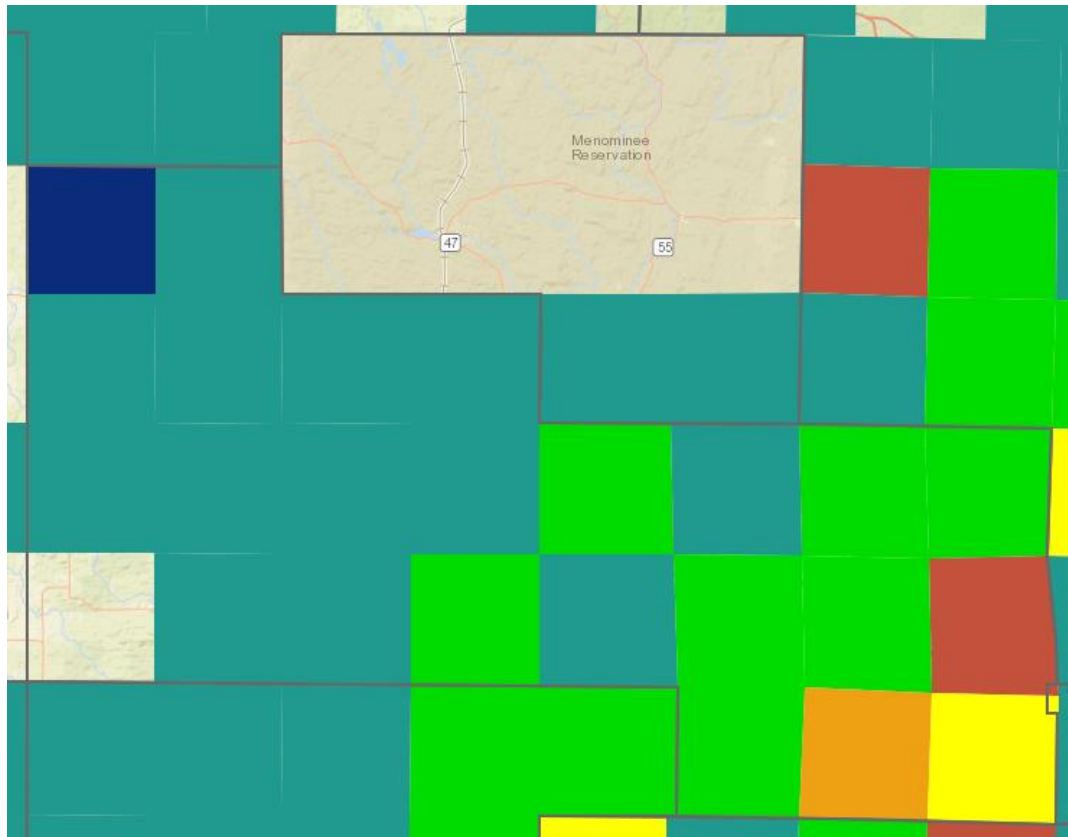


## Positive Well Water Tests for Bacteria (Coliform) Averages from Past 25 Years

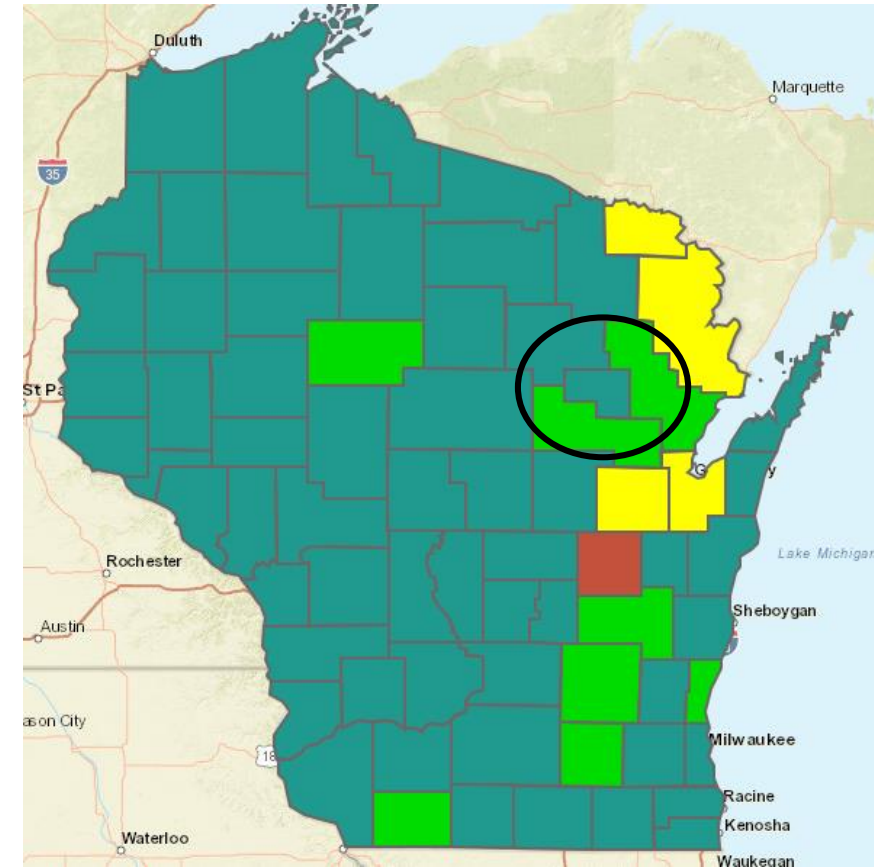
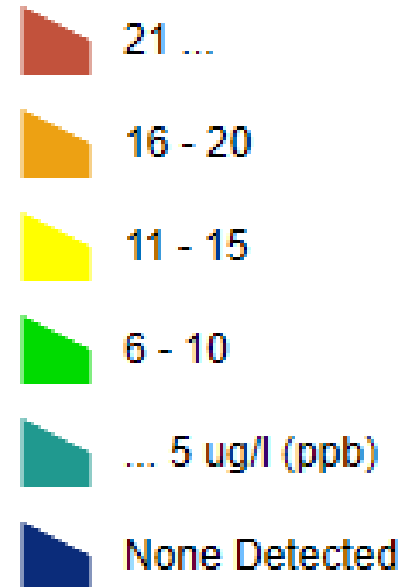


Bacteria coliforms may indicate the presence of fecal contamination from warm blooded mammals, including humans (from septic systems) and animals (livestock, wildlife).

# Arsenic in Well Water Averages from Past 25 Years



## Arsenic AVERAGE



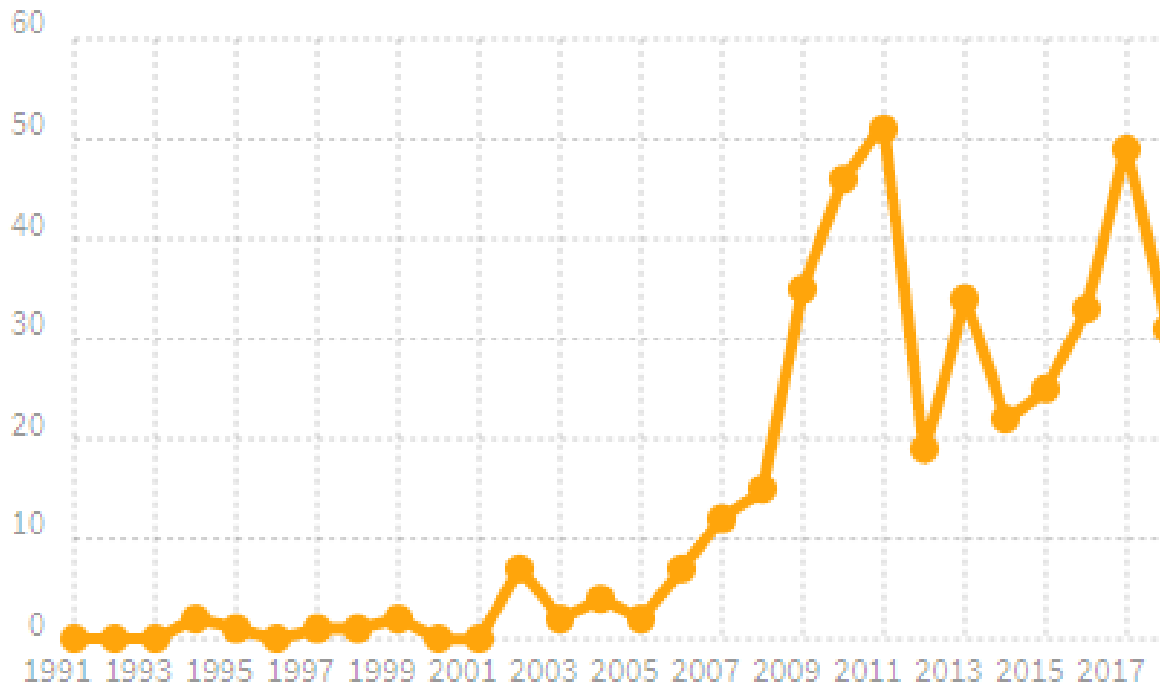
Arsenic occurs naturally in groundwater from chemical reactions that may release it.  
The health standard for arsenic is 10 parts per billion (ppb).



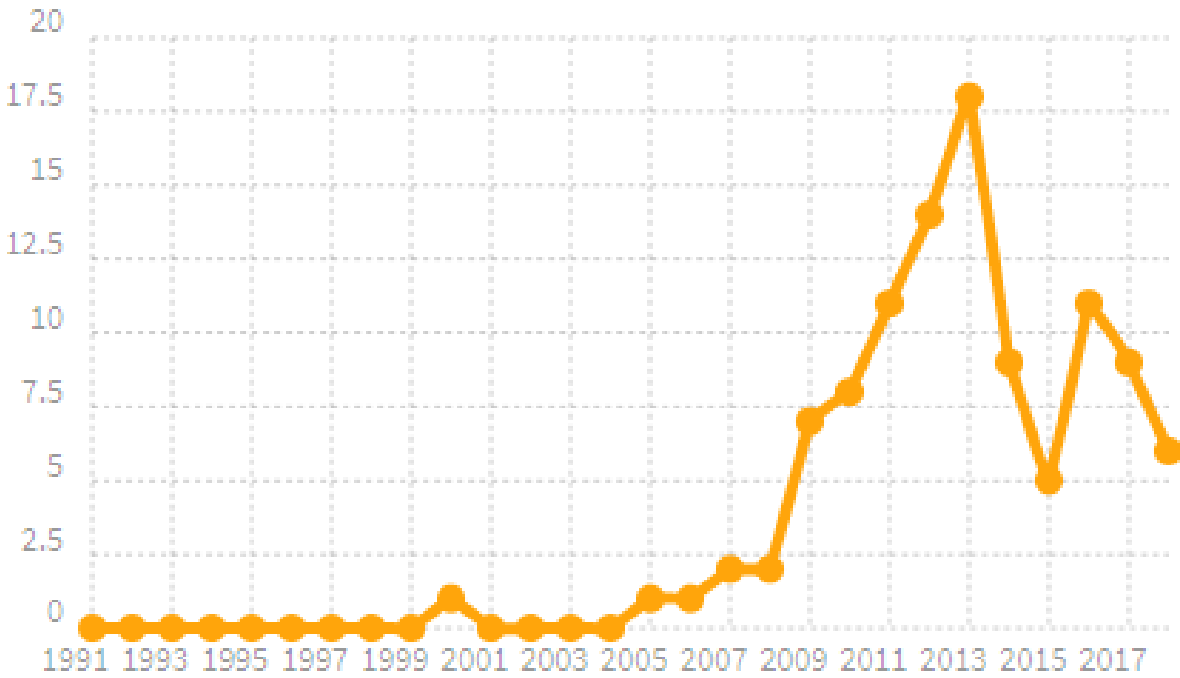
# Number of Lyme Disease Cases Shawano County & Menominee County – 1991-2017

Not Improving

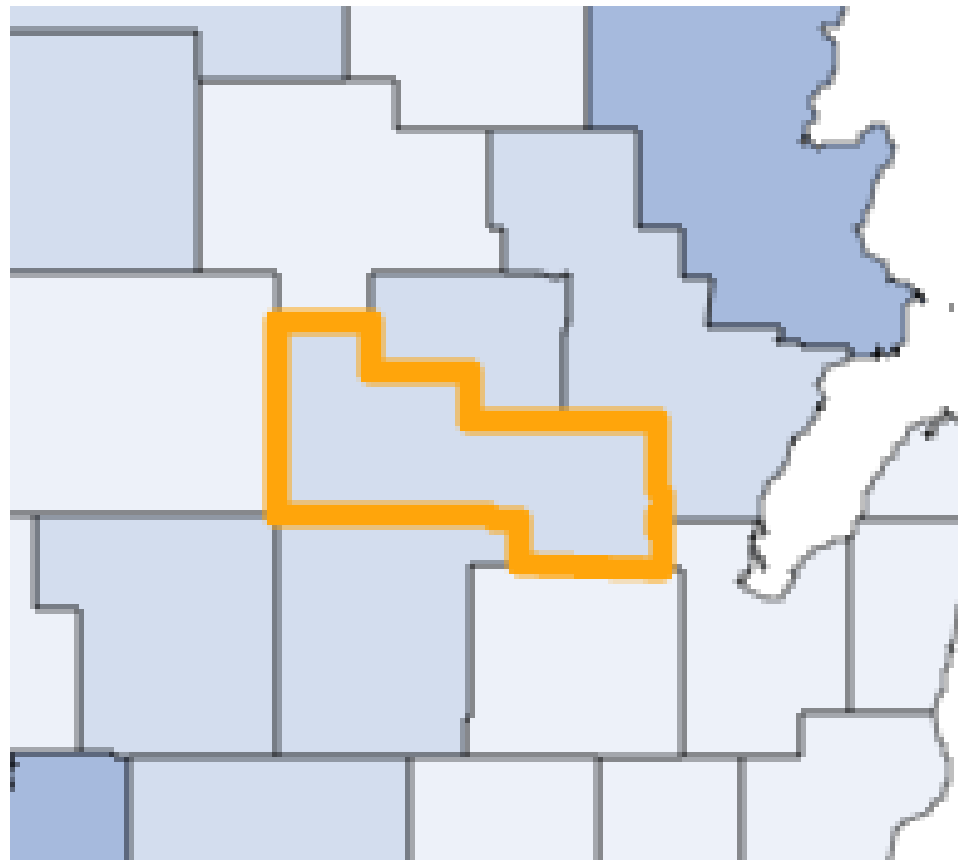
Shawano County



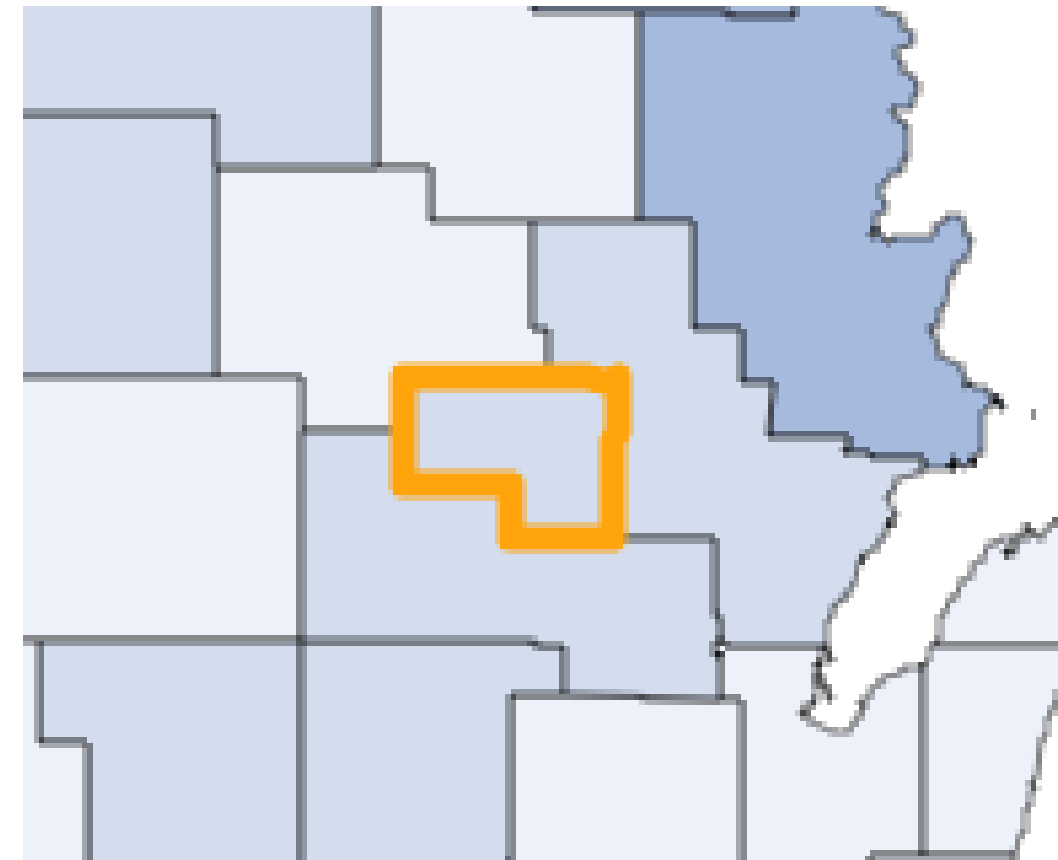
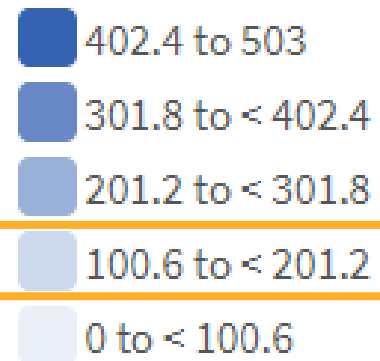
Menominee County



# Lyme Disease Incidence Rates (Per 100,000 Population) Shawano County & Menominee County – 2017



Shawano  
**119.7**  
in 2017



Menominee  
**195.02**  
in 2017

# Occupational Health Statistics Wisconsin (2003-2010, 2011-2013)

No local data available.

The arrows to the left of the 2011 numbers show the trends from 2003-2010.

	2011	2012	2013	2014
Estimated Annual Total Number of <u>Work Related Injuries &amp; Illnesses</u>	↓ 74,400	↓ 72,900	↑ 73,600	↑ 74,000
Estimated Annual Total Number of Cases Involving <u>Days Away from Work</u>	↓ 19,200	↑ 19,300	↑ 19,400	↑ 21,200
Estimated Annual Total Number of Cases Involving <u>More Than 10 Days Away from Work</u>	↓ 7,580	↑ 7,930	↑ 8,260	↑ 9,220
Annual Number of Inpatient <u>Work-Related Hospitalizations</u>	↓ 2,051	↓ 1,737	↓ 1,668	↑ 1,734
Annual Number of <u>Fatal Work Related Injuries</u>	↓ 89	↑ 114	↓ 97	↑ 99

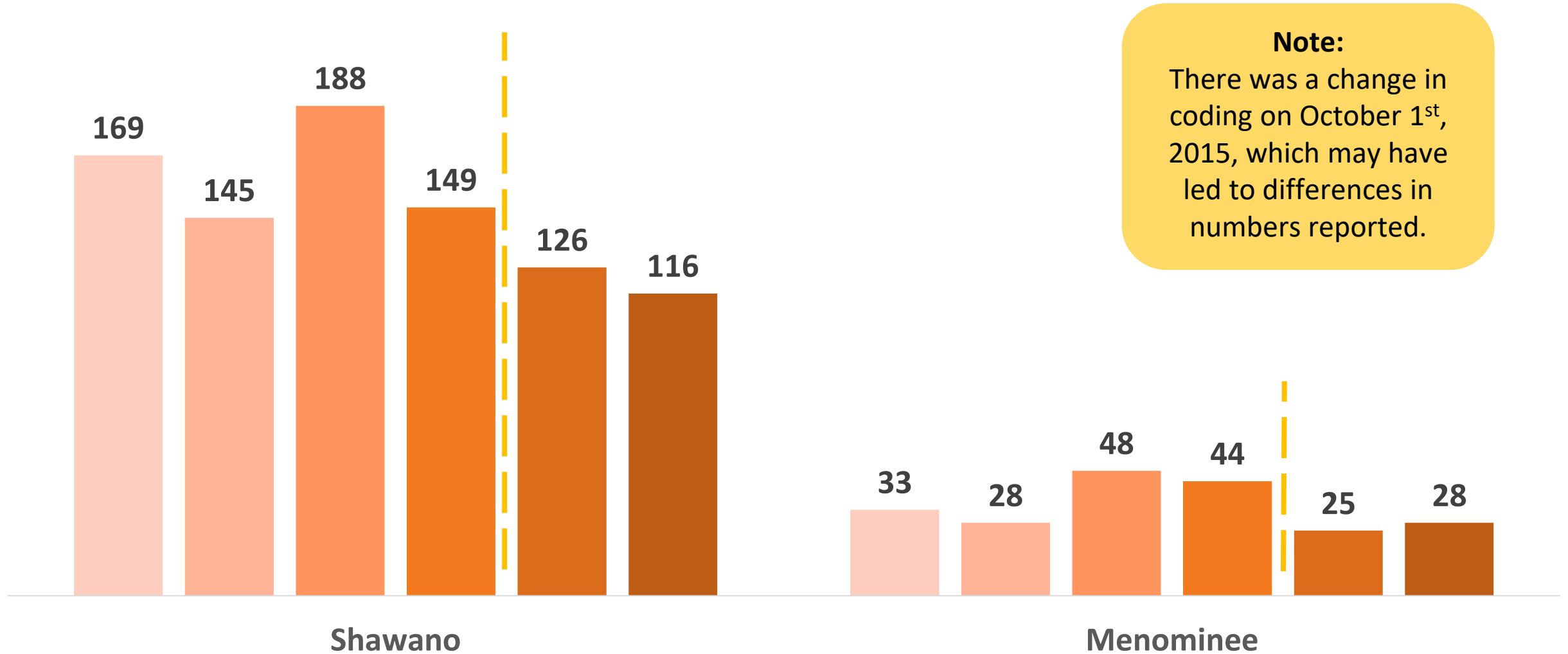
# References Environmental & Occupational Health

- Wisconsin Department of Health Services. (2019). *Environmental Public Health Tracking Portal*. Retrieved from <https://dhsgis.wi.gov/DHS/EPHTracker/#/map>
- County Health Rankings, University of Wisconsin Population Health Institute, School of Medicine and Public Health. (2019). *Compare Counties*. Retrieved from [https://www.countyhealthrankings.org/app/wisconsin/2019/compare/snapshot?counties=55\\_078%2B55\\_115](https://www.countyhealthrankings.org/app/wisconsin/2019/compare/snapshot?counties=55_078%2B55_115)
- Centers for Disease Control and Prevention. (2019). *My Water's Fluoride*. Retrieved from [https://nccd.cdc.gov/DOH\\_MWF/Default/CountyList.aspx?state=Wisconsin&stateid=55&stateabbr=WI&reportLevel=1](https://nccd.cdc.gov/DOH_MWF/Default/CountyList.aspx?state=Wisconsin&stateid=55&stateabbr=WI&reportLevel=1)
- Wisconsin Department of Health Services, Bureau of Information Technology Services (GIS Program) and Wisconsin Radon Program. (2019). *Wisconsin Indoor Radon Tests*. Retrieved from <http://wi-dhs.maps.arcgis.com/apps/webappviewer/index.html?id=68f3a3e068854810b626d002ce47aff4>
- UW Extension, University of Wisconsin-Stevens Point, College of Natural Resources. (2019). *WI Well Water Quality Viewer*. Retrieved from [https://gissrv3.uwsp.edu/webapps/gwc/pri\\_wells/](https://gissrv3.uwsp.edu/webapps/gwc/pri_wells/)
- Wisconsin Department of Health Services. (2019). *Data and Occupational Health Publications*. Retrieved from <https://www.dhs.wisconsin.gov/occupational-health/data.htm>

Chronic Disease

# Number of Asthma Related Emergency Department Visits Shawano County and Menominee County from 2012-2017

2012 2013 2014 2015 2016 2017

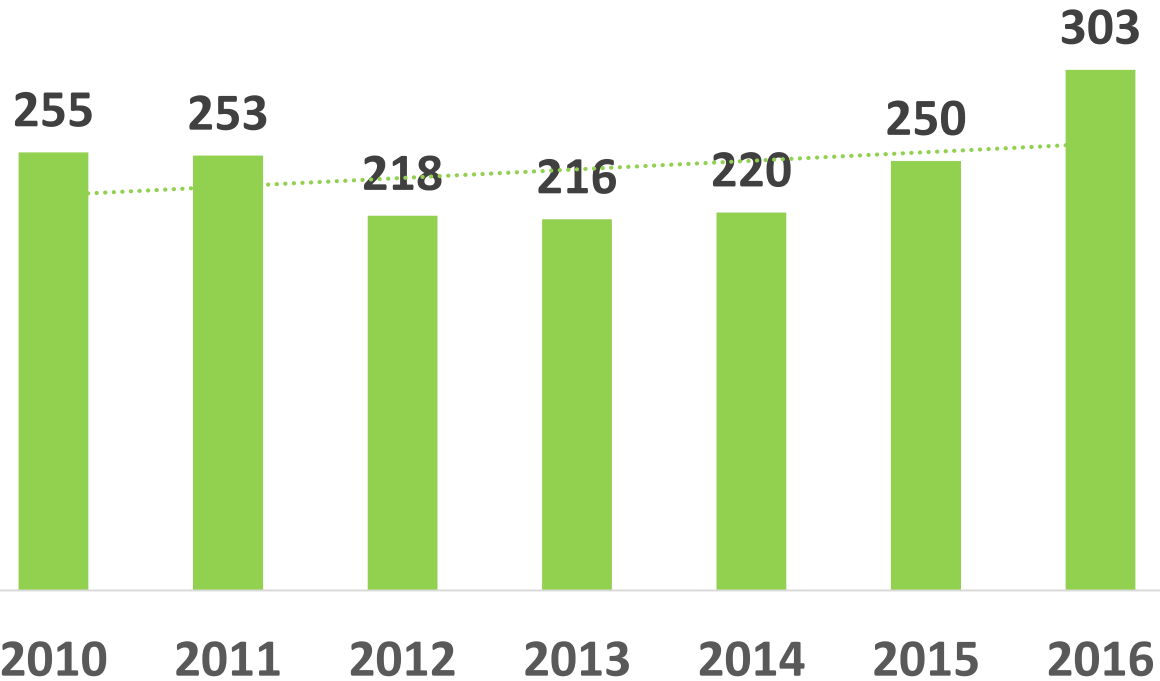


# Diabetes

## Shawano County from 2010-2016

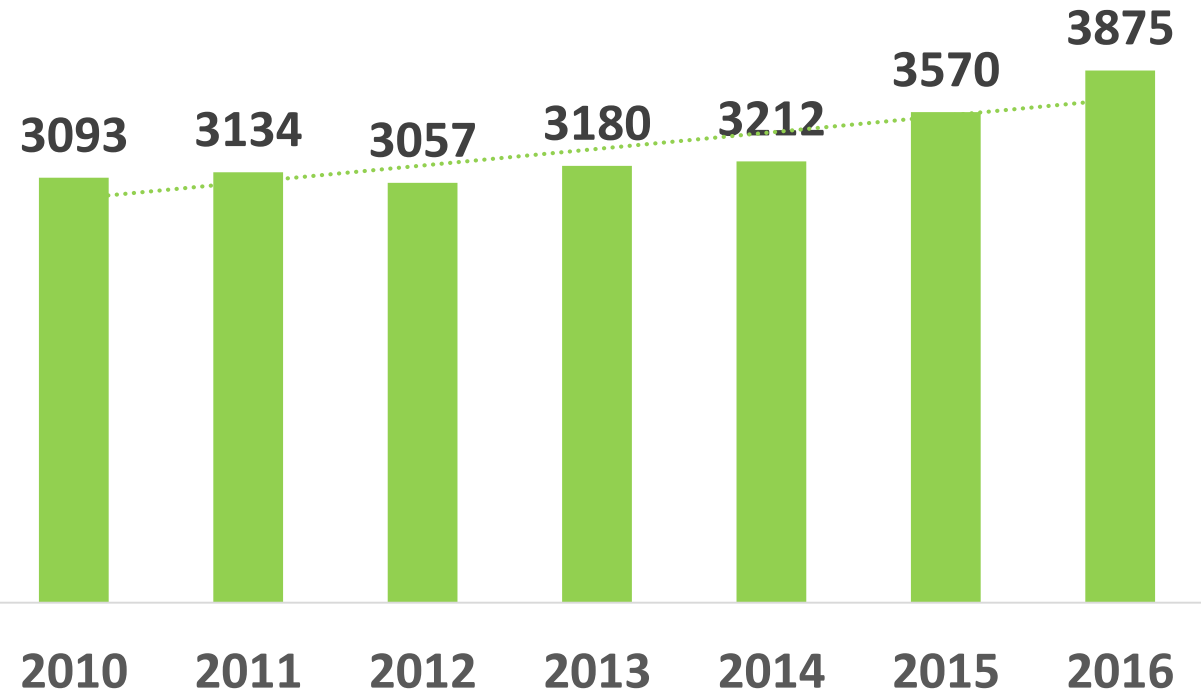
Not Improving

**Total Adults (20 and Older) Newly Diagnosed with Diabetes**



Not Improving

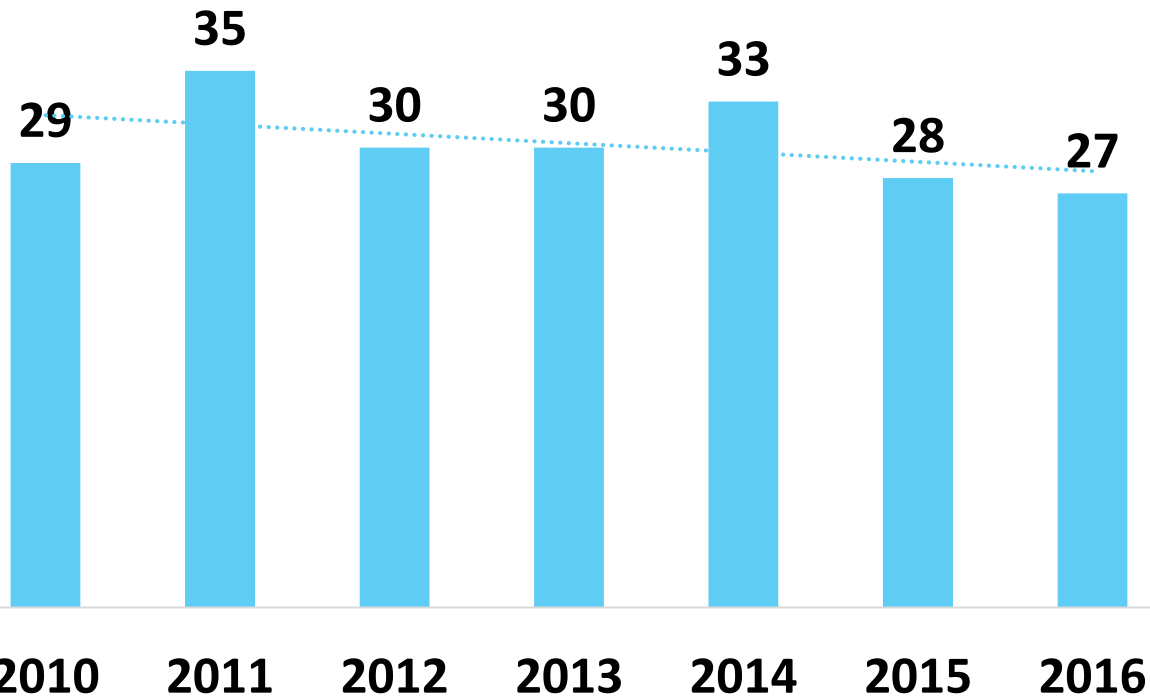
**Total Adults (20 and Older) with Diabetes**



# Diabetes Menominee County from 2010-2016

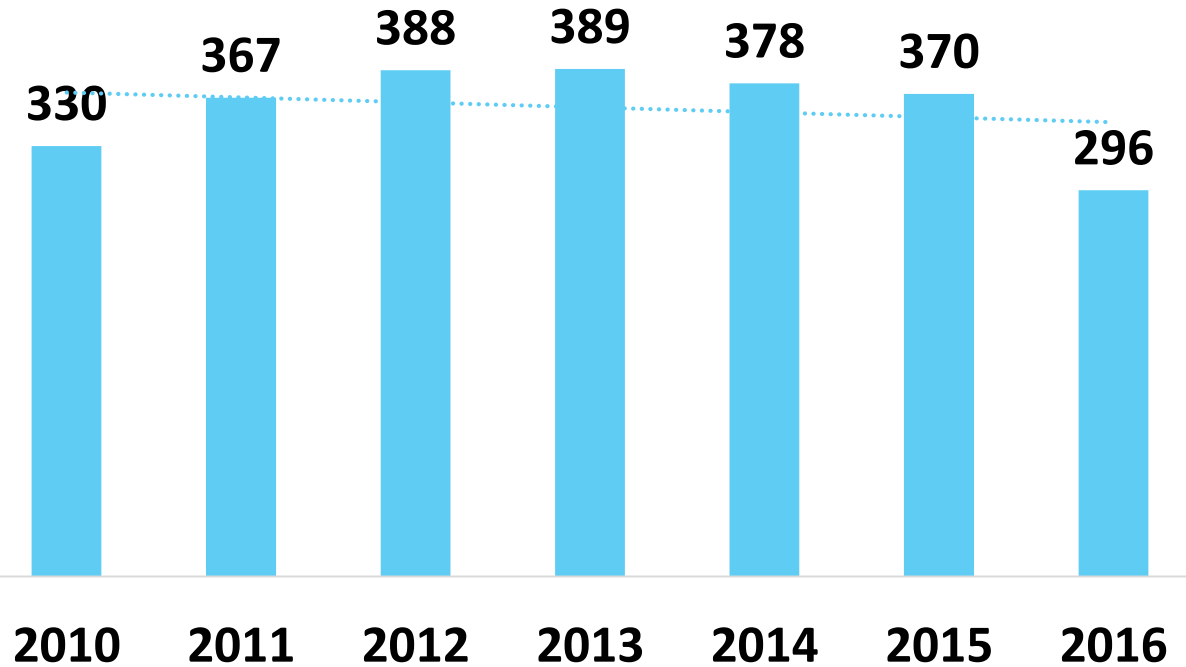
Improving

**Total Adults (20 and Older) Newly Diagnosed with Diabetes**



Improving

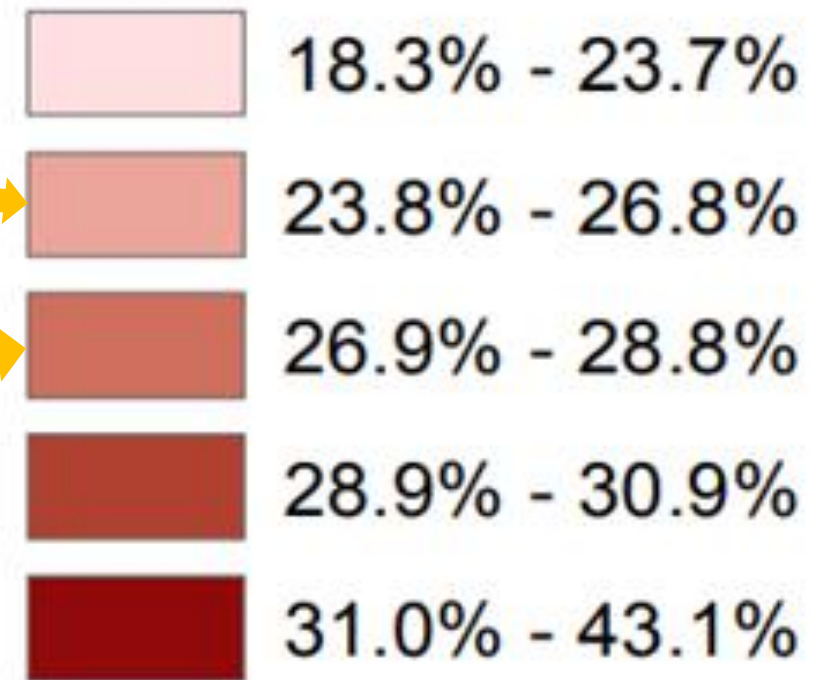
**Total Adults (20 and Older) with Diabetes**





# Averaged Percentages of Adults with High Blood Pressure (Hypertension) Shawano County and Menominee County - 2011, 2013, and 2015

## Adults Reporting Diagnosed Hypertension



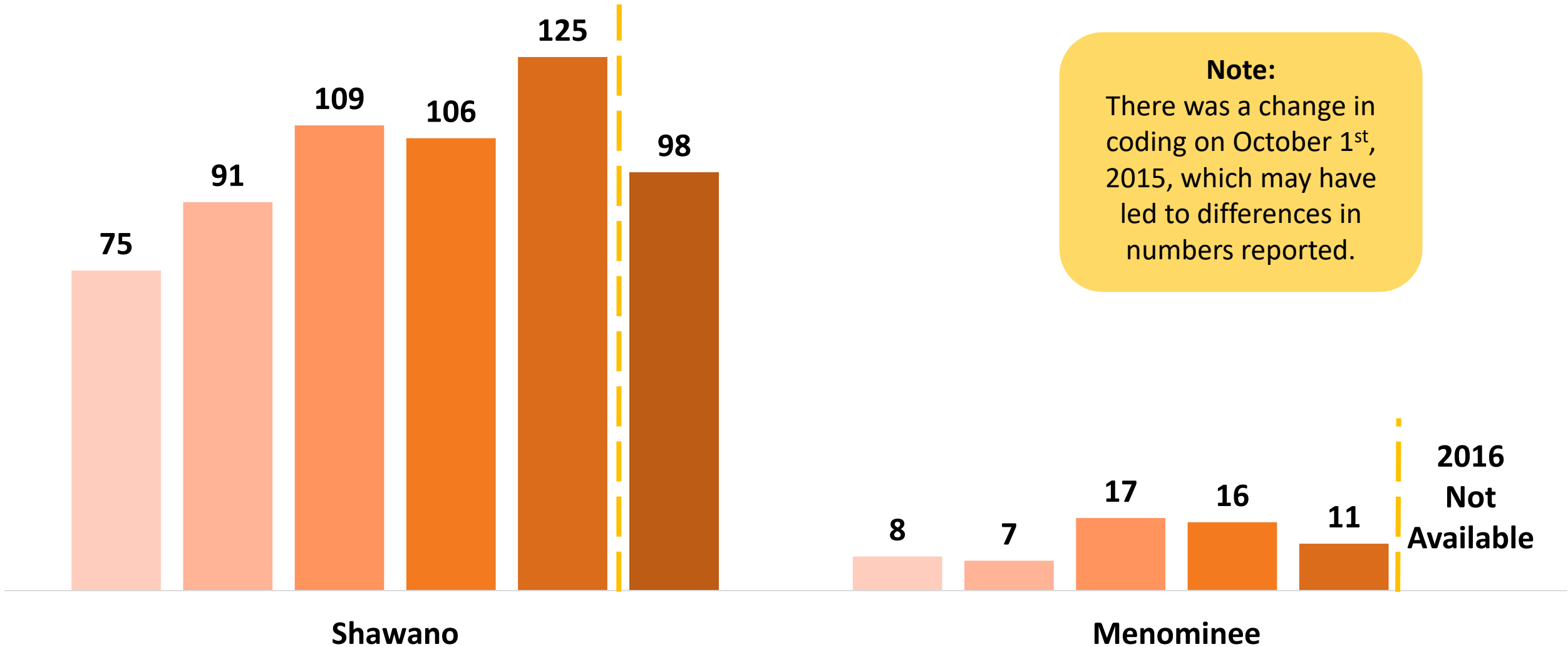
Menominee

Oconto

Shawano

# Number of Heart Attack Hospitalizations (Persons 35 and Older) Shawano County and Menominee County 2011-2016

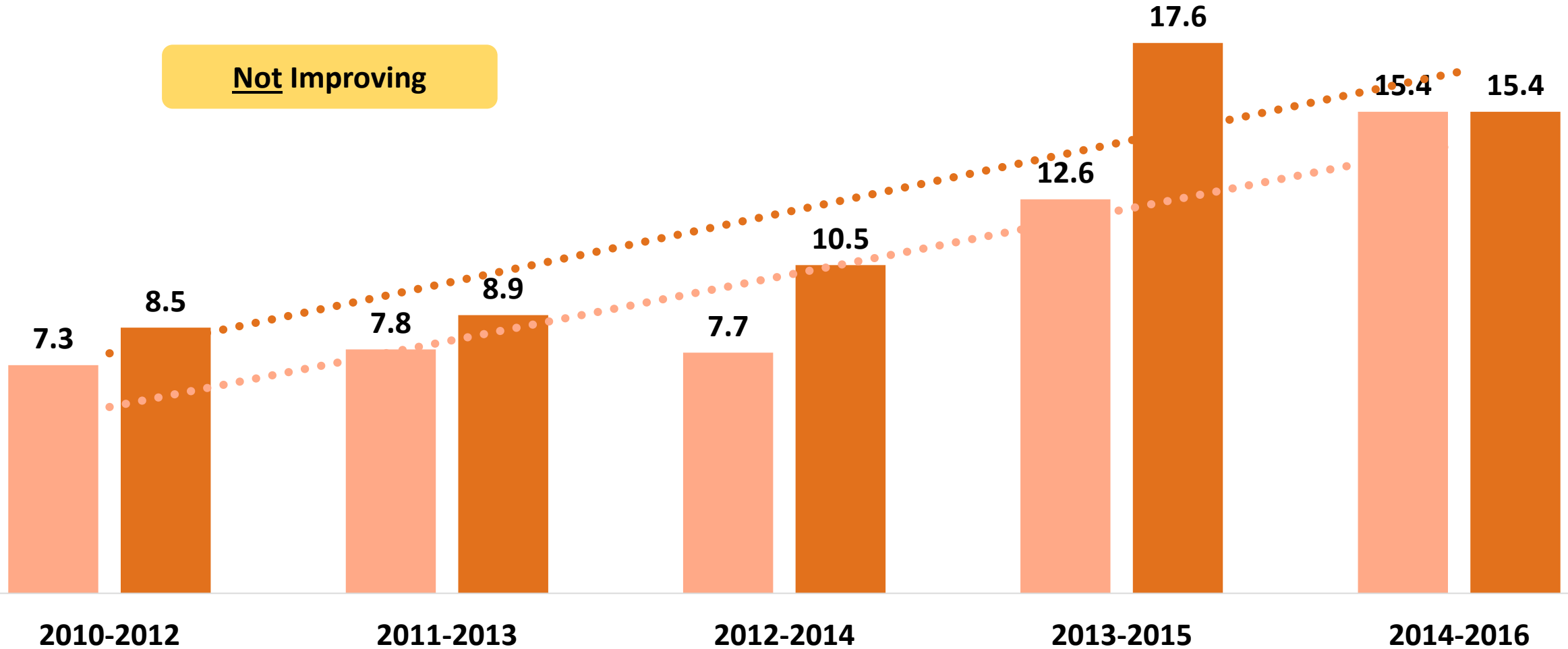
2011 2012 2013 2014 2015 2016



# Stroke Hospitalizations (Per 1,000 Medicare Beneficiaries Aged 65+) Shawano County & Menominee County

Shawano Menominee Linear (Shawano) Linear (Menominee)

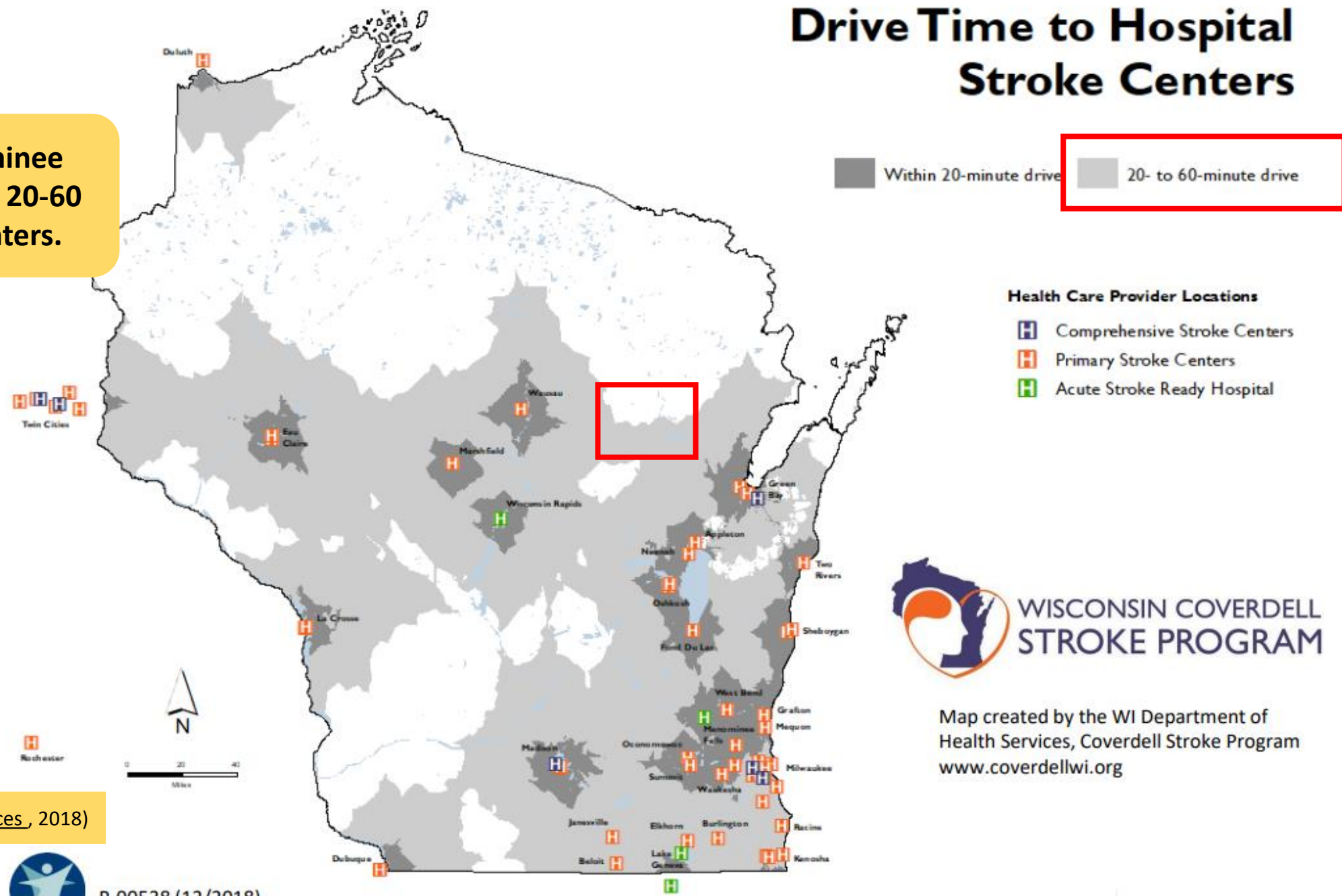
Not Improving



# Stroke Centers

Shawano and Menominee residents have to drive 20-60 minutes to stroke centers.

# Drive Time to Hospital Stroke Centers



(Wisconsin Department of Health Services, 2018)

# CHRONIC DISEASE



P-00538 (12/2018)

Hospital Stroke Certification based on Det Norske Veritas (DNV) & The Joint Commission (TJC) records accessed on 12/01/2018

**Number of Cancer Cases**  
**Shawano County and Menominee County from 2012-2016**

Cancer Site	Shawano	Menominee
All Sites	1324	95
Female Breast	188	12
Lung and Bronchus	154	17
Prostate	136	8
Colorectal	110	10
Kidney & Renal Pelvis	64	6
Non-Hodgkin Lymphoma	62	7

Menominee's  
most common  
cancer site

# References Chronic Disease

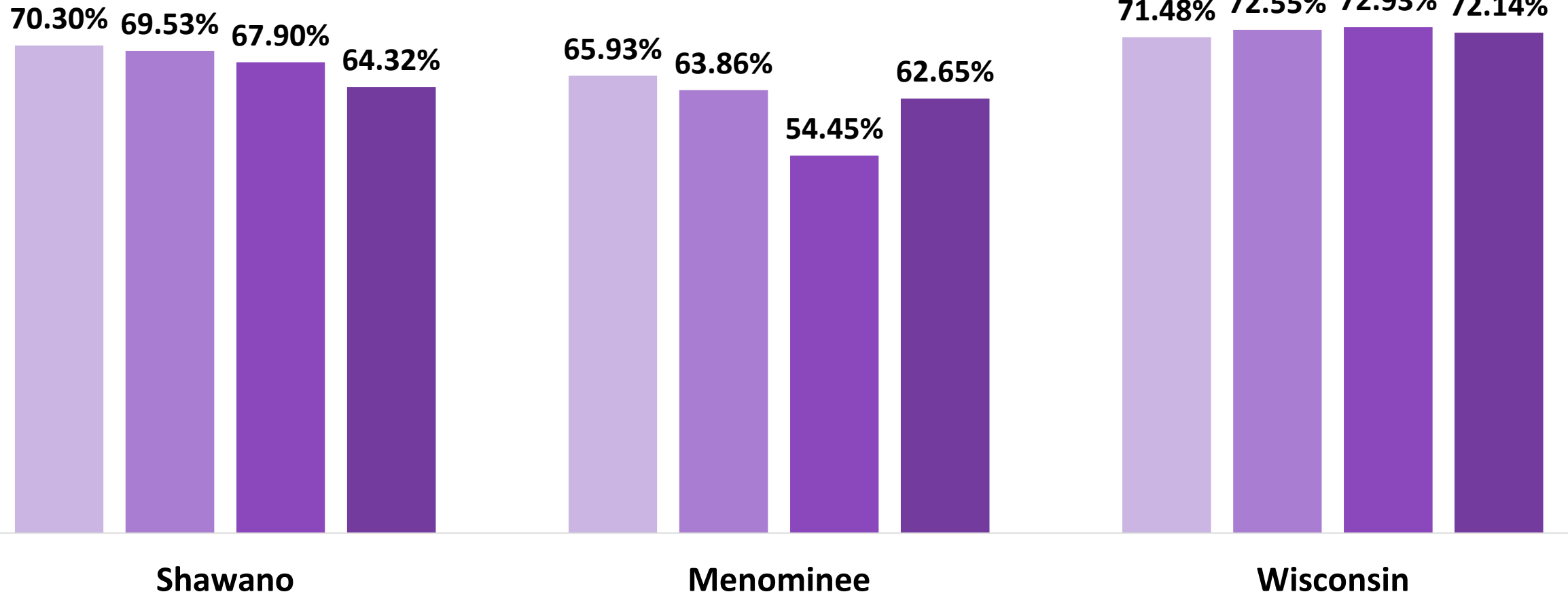
- Centers for Disease Control and Prevention. (2019). *Interactive Atlas of Heart Disease and Stroke*. Retrieved from <https://nccd.cdc.gov/DHDSPAtlas/Default.aspx?state=WI>
- Centers for Disease Control and Prevention. (2019). *Newly Diagnosed Diabetes*. Retrieved from <https://gis.cdc.gov/grasp/diabetes/DiabetesAtlas.html>
- County Health Rankings, University of Wisconsin Population Health. (2019). *Diabetes Prevalence-Data*. Retrieved from <https://www.countyhealthrankings.org/app/wisconsin/2019/measure/outcomes/60/data>.
- Wisconsin Department of Health Services, Bureau of Community Health Promotion, Chronic Disease Prevention Program. (2017, August). *Diagnosed Hypertension by County, Behavioral Risk Factor Surveillance System (2011, 2013, 2015) [Map]*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p01946.pdf>
- Wisconsin Department of Health Services, Office of Health Informatics. (2018, February 28). *Shawano County: Public Health Profiles*. Retrieved from <https://www.dhs.wisconsin.gov/stats/phprofiles/shawano.htm>
- Wisconsin Department of Health Services, Office of Health Informatics. (2018, February 28). *Menominee County: Public Health Profiles*. Retrieved from <https://www.dhs.wisconsin.gov/stats/phprofiles/menominee.htm>
- Wisconsin Department of Health Services, Coverdell Stroke Program. (2018, December). *Drive Time to Hospital Stroke Centers [Map]*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p0/p00538.pdf>
- Wisconsin Department of Health Services, Environmental Public Health Tracking Program. (2019, July 22). *Asthma-Emergency Department Visits 2016~Age-Adjusted Rate*. Retrieved from <https://dhsgis.wi.gov/DHS/EPHTracker/#/map/Asthma/asthmaIndex/NOTRACT/Emergency%20Department%20Visits>
- Wisconsin Department of Health Services. (2019). Wisconsin Interactive Statistics on Health (WISH) Data Query System. Retrieved from <https://www.dhs.wisconsin.gov/wish/index.htm>

# Communicable Disease

# Percent of Children with All Recommended Vaccines Received Before Turning 2 Shawano County, Menominee County, & Wisconsin – 2015-2018

2015 2016 2017 2018

Not Improving



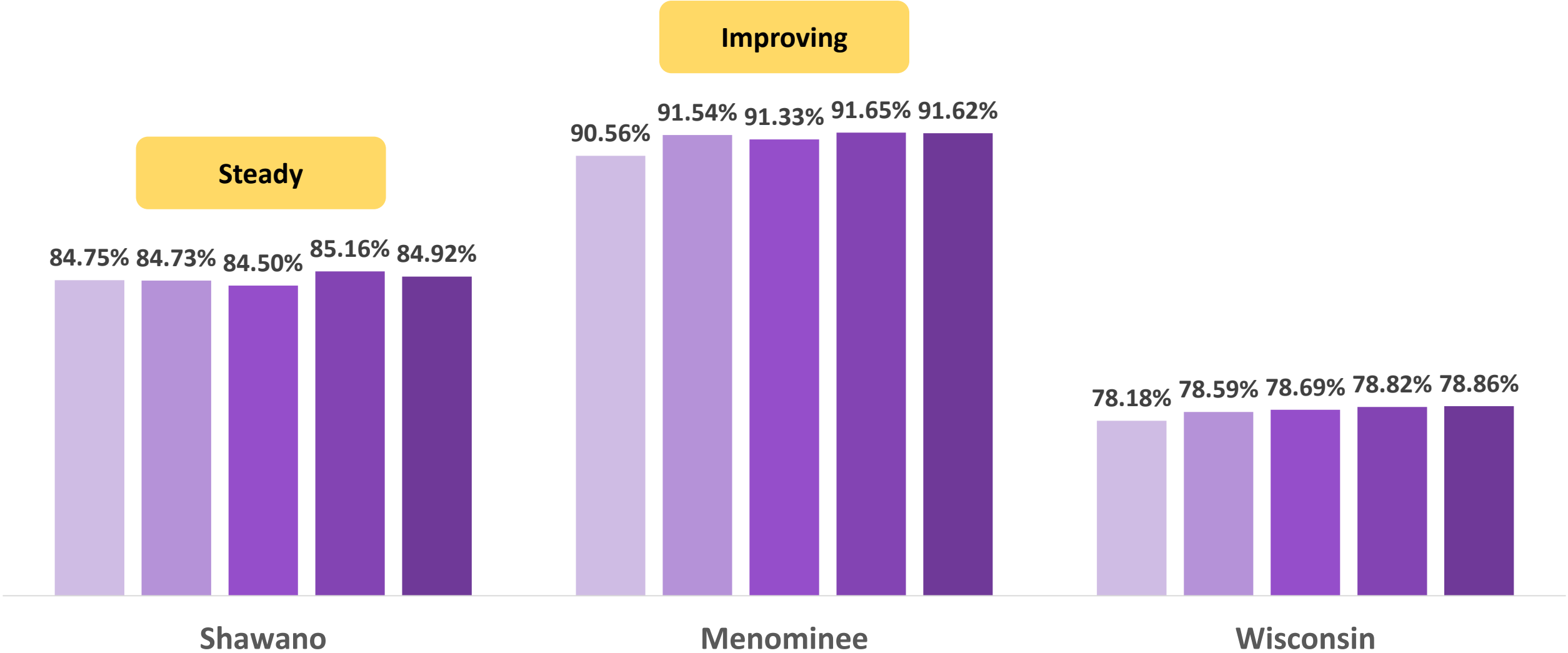


**Percent of Adolescents with Tetanus, Diphtheria, Acellular Pertussis (Tdap) Vaccine  
Shawano County, Menominee County, & Wisconsin – 2014-2018**

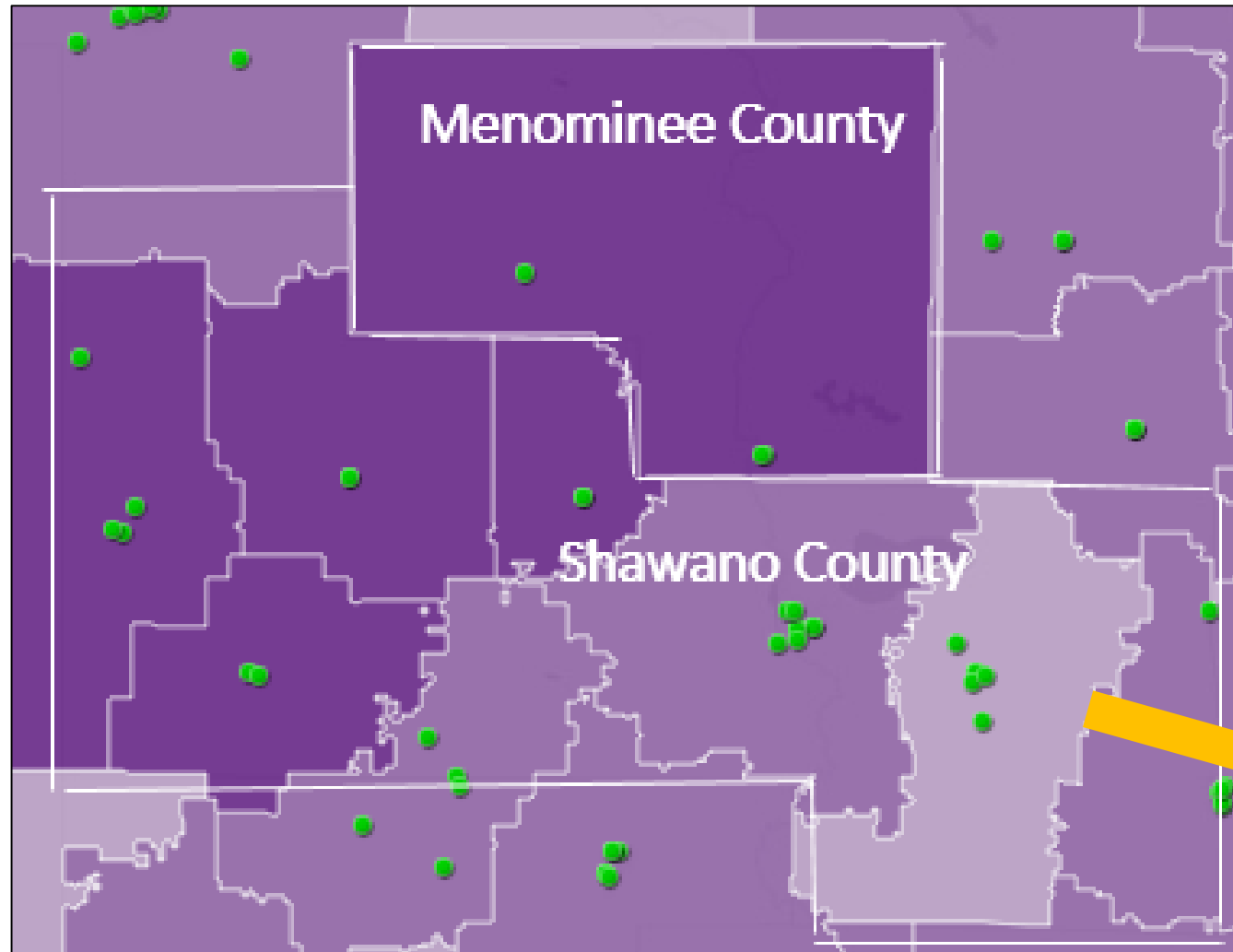
2014 2015 2016 2017 2018

Improving

Steady

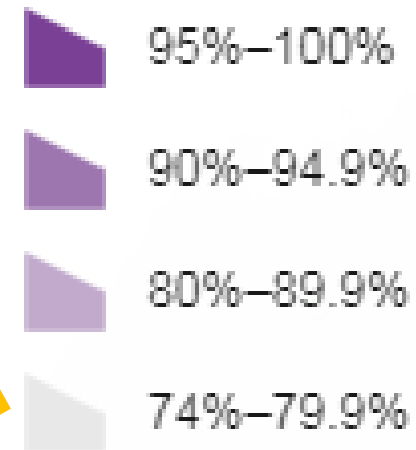


# Percent of Students Meeting Minimum Immunization Requirements By School District – 2018-2019 School Year



Wisconsin Public School Districts (K-12)

Percent of public school students who met the minimum immunization requirements

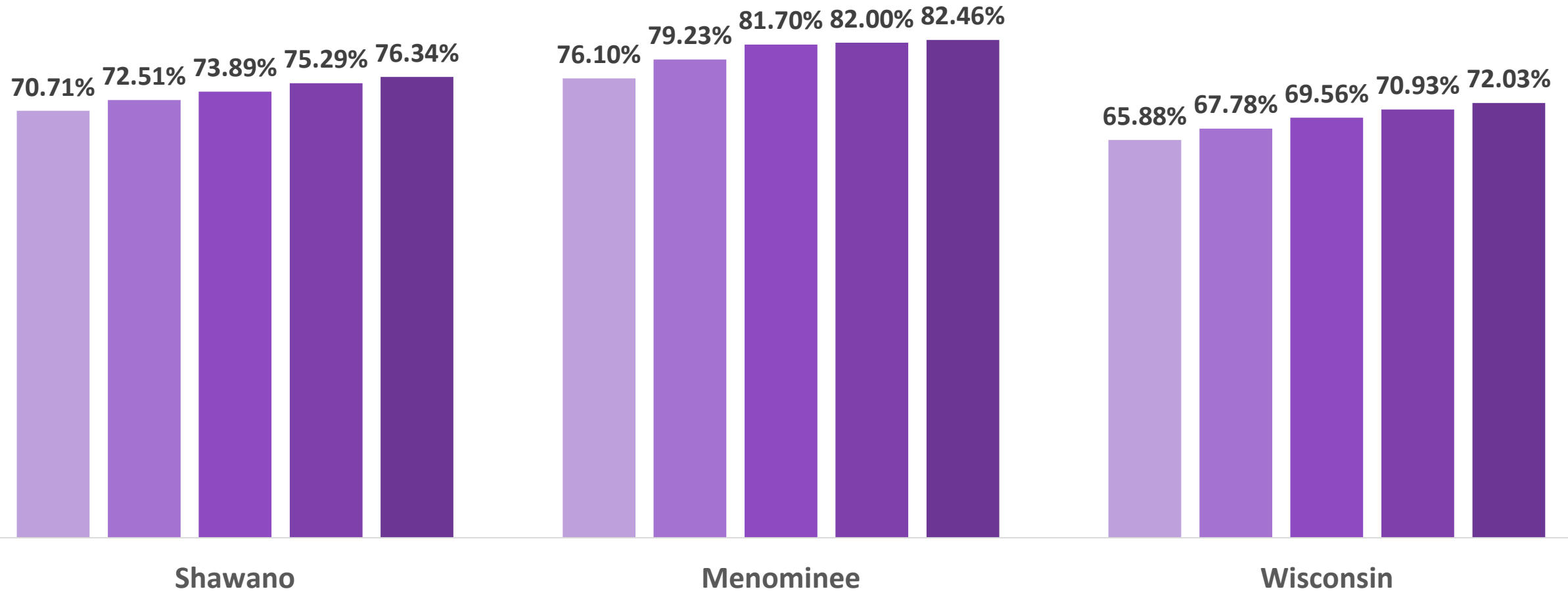


● School location

# Percent of Adolescents with Meningococcal ACWY Vaccine Shawano County, Menominee County, and Wisconsin - 2014-2018

2014 2015 2016 2017 2018

Improving

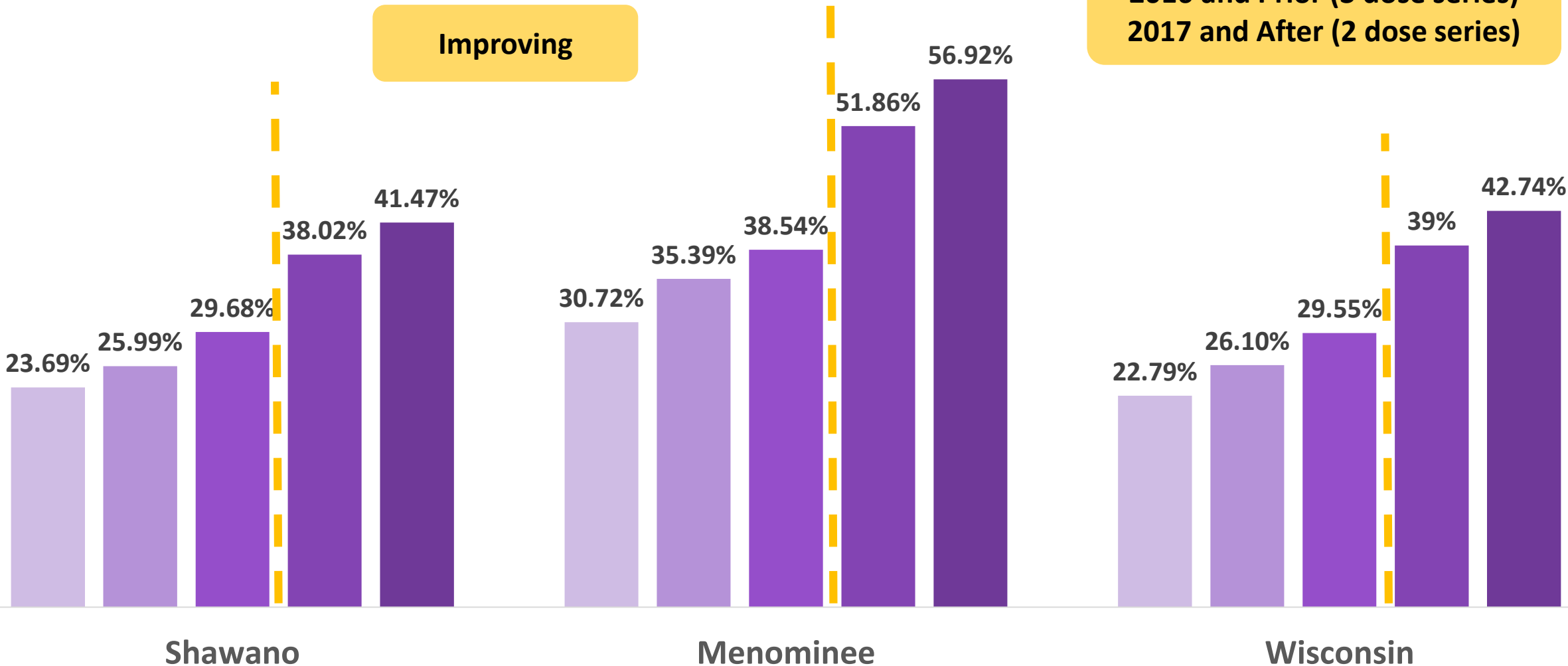


**Percent of Adolescents with Completed HPV Vaccine Series  
Shawano County, Menominee County, and Wisconsin - 2014-2018**

2014 2015 2016 2017 2018

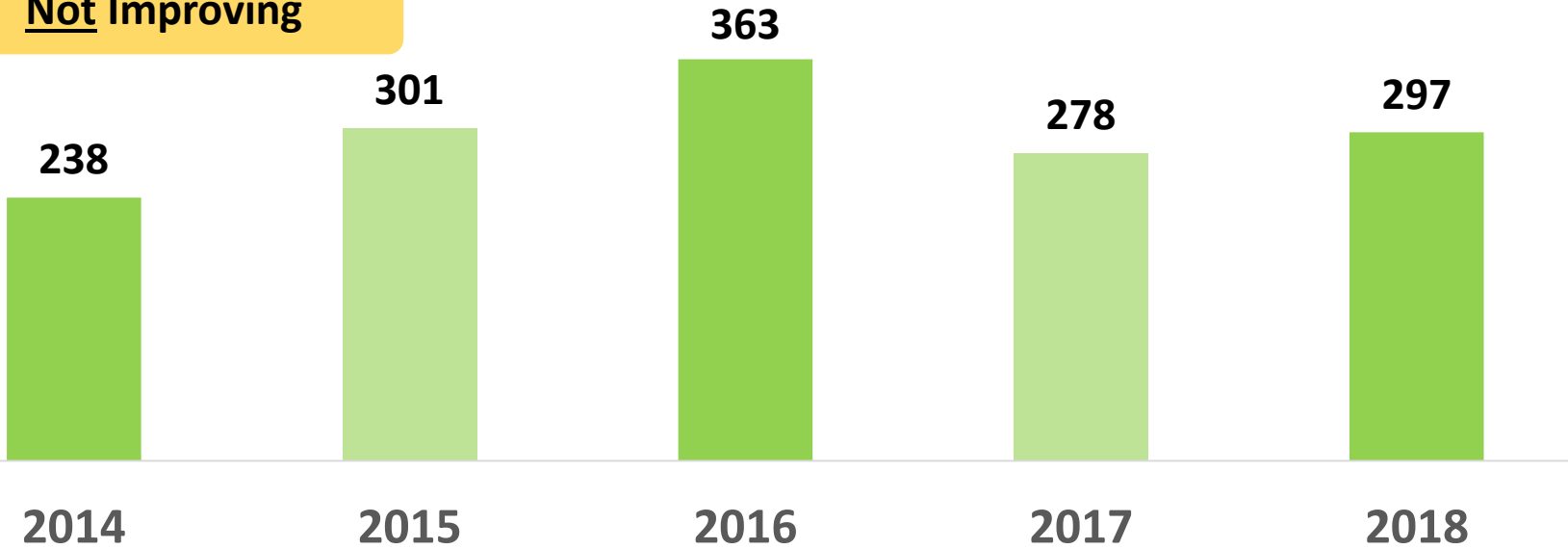
Improving

2016 and Prior (3 dose series)  
2017 and After (2 dose series)



# Reported Communicable Disease Cases Shawano County - 2014-2018

Not Improving



## Top 5 in 2018

1. Chlamydia
2. Lyme Disease
3. Campylobacteriosis
3. Ehrlichiosis/Anaplasmosis
5. Cryptosporidiosis

## Top 5 in 2014

1. Chlamydia
2. Lyme Disease
3. Campylobacteriosis
4. Ehrlichiosis/Anaplasmosis
4. Influenza

## Top 5 in 2015

1. Chlamydia
2. Campylobacteriosis
3. Lyme Disease
4. Latent Tuberculosis
5. Hepatitis C

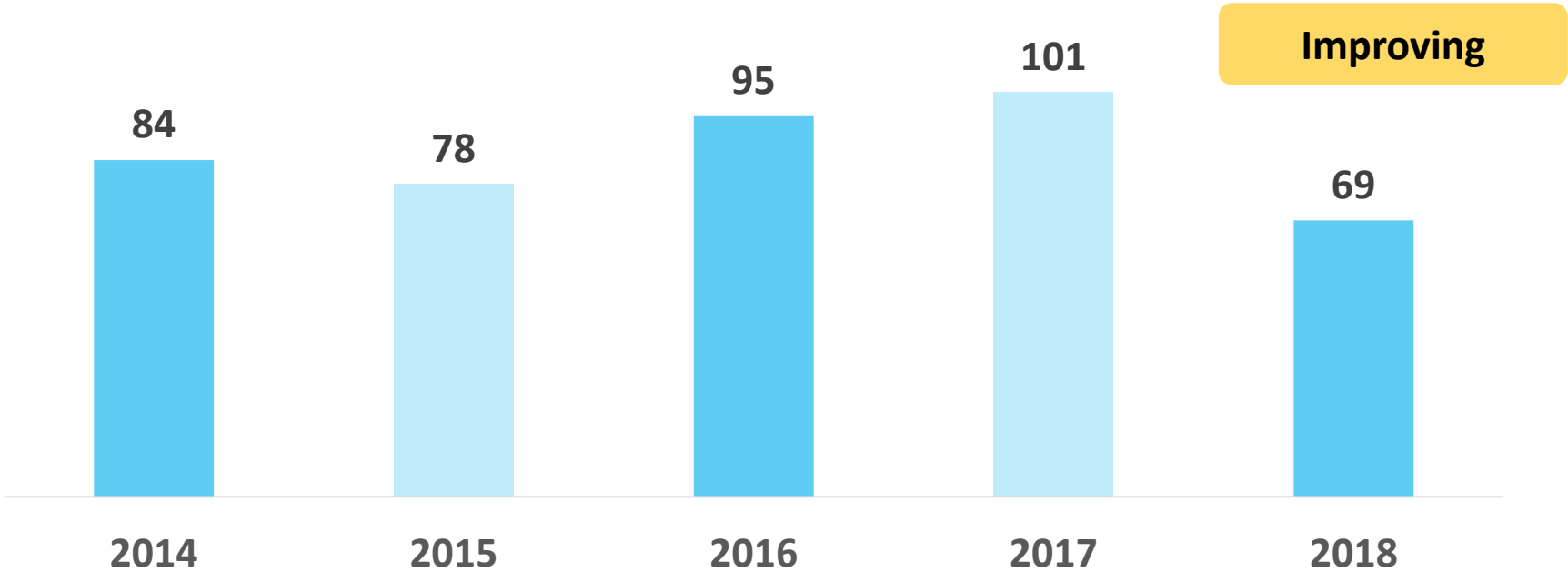
## Top 5 in 2016

1. Chlamydia
2. Shigellosis
3. Lyme Disease
4. Hepatitis C
5. Campylobacteriosis

## Top 5 in 2017

1. Chlamydia
2. Lyme Disease
3. Hepatitis C
4. Campylobacteriosis
5. Invasive Streptococcal (Group A&B)

**Reported Communicable Disease Cases  
Menominee County (includes Menominee Tribe) - 2014-2018**



**Top 4 in 2018**

1. Chlamydia
2. Lyme Disease
3. Ehrlichiosis/Anaplasmosis
4. Campylobacteriosis
4. Cryptosporidiosis
4. Invasive Streptococcal (Group A&B)

**Top 4 in 2014**

1. Chlamydia
2. Lyme Disease
3. Blastomycosis
4. Hepatitis C

**Top 4 in 2015**

1. Chlamydia
2. Hepatitis C
3. Invasive Streptococcal (Group A&B)
3. Lyme Disease

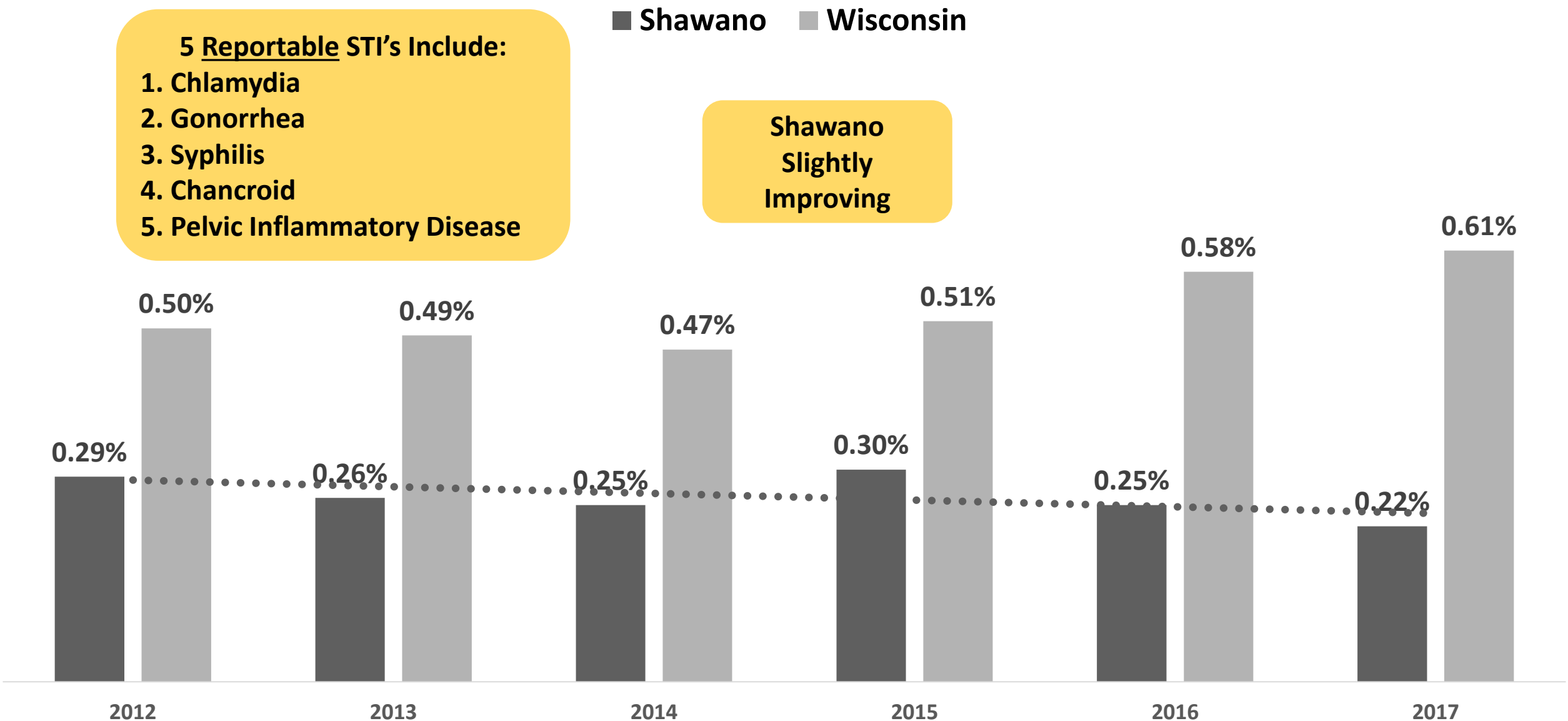
**Top 4 in 2016**

1. Chlamydia
2. Shigellosis
3. Lyme Disease
4. Hepatitis C

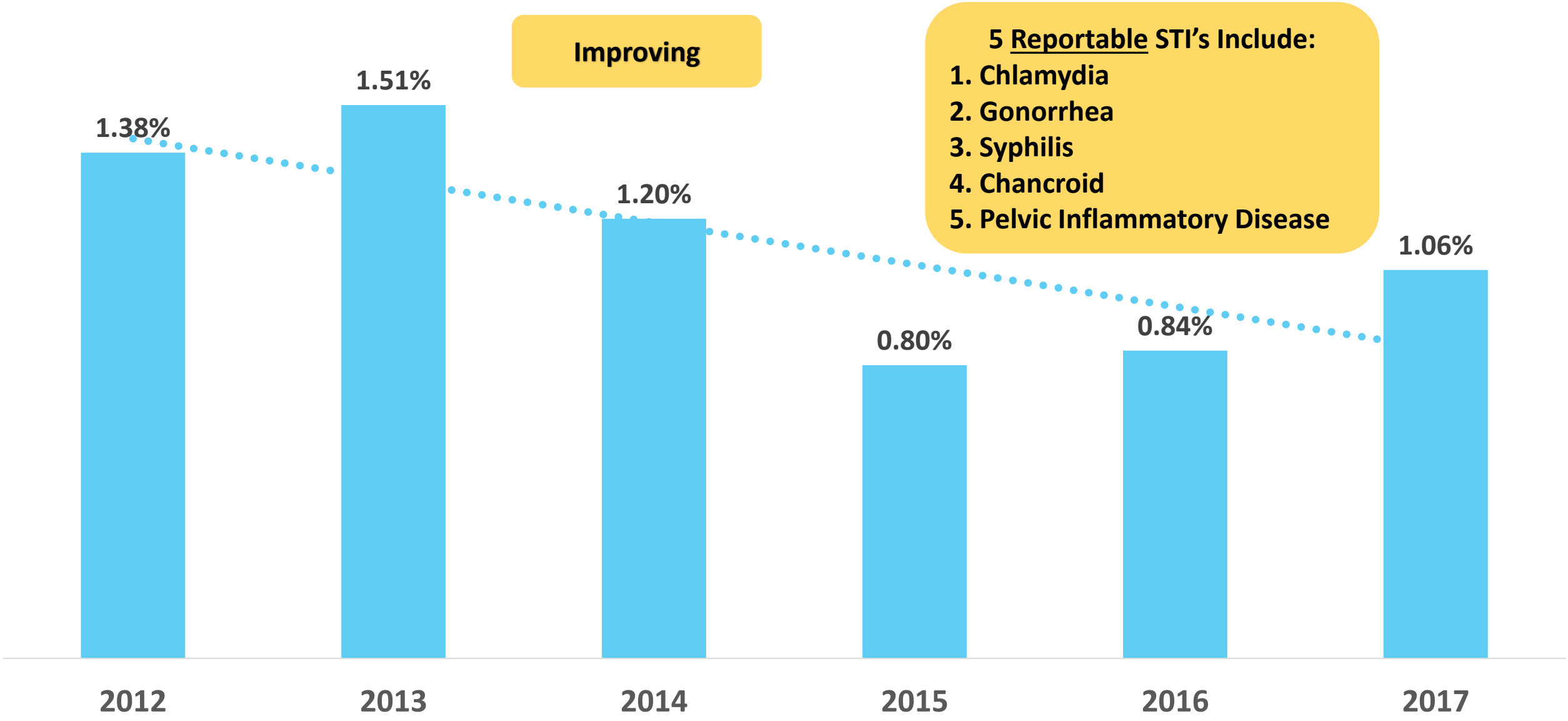
**Top 4 in 2017**

1. Chlamydia
2. Lyme Disease
3. Ehrlichiosis/Anaplasmosis
3. Shigellosis

# Percent of Population with a Reported Sexually Transmitted Infection (STI) Shawano County and Wisconsin - 2012-2017



**Percent of Population with a Reported Sexually Transmitted Infection (STI)  
Menominee County - 2012-2017**

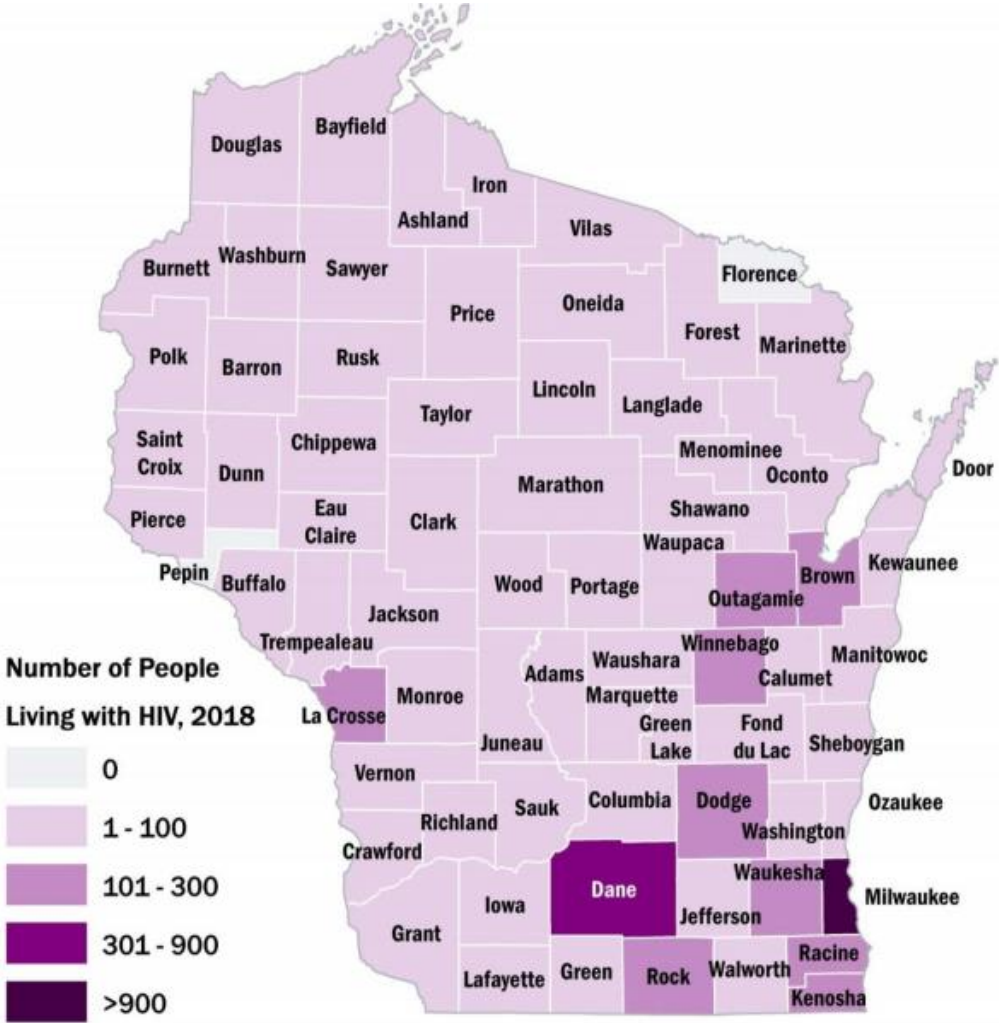




# Human Immunodeficiency Virus (HIV)

## Shawano County & Menominee County - 2013-2018

People Living with HIV in Wisconsin in 2018  
(Total Cases)



Menominee County	
New Cases by Year (2013-2017)	2 cases (rate of 8.6)
2018 Total Cases	6 cases (rate of 129.4)

Shawano County	
New Cases by Year (2013-2017)	1 case (rate of 1.1)
2018 Total Cases	19 cases (rate of 107.7)

# References Communicable Disease

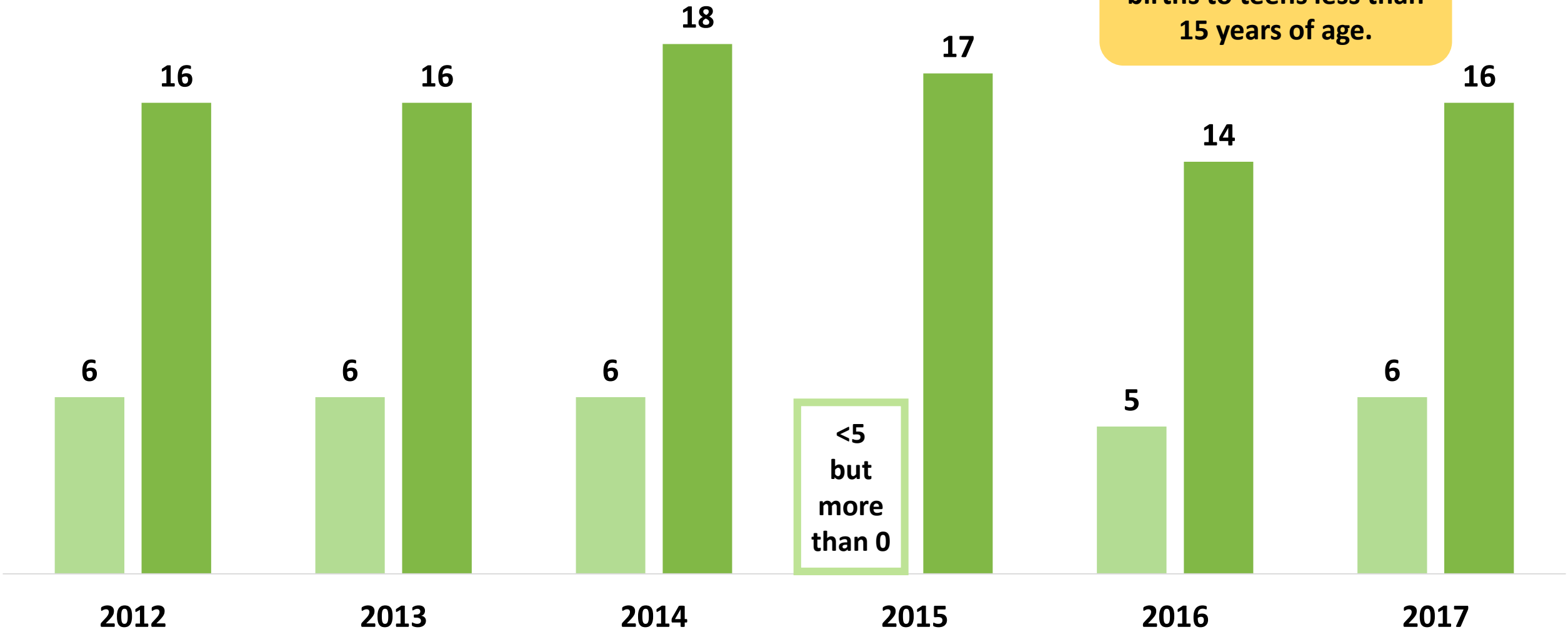
- Wisconsin Department of Health Services. (2018). *Wisconsin HIV Surveillance Annual Review*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p00484.pdf>
- Wisconsin Department of Health Services. (2019). *Environmental Public Health Tracking Portal*. Retrieved from <https://dhsgis.wi.gov/DHS/EPHTracker/#/map>
- Wisconsin Department of Health Services. (2019). *Public Health Analysis Visualization and Reporting (PHAVER)*. Retrieved from <https://sowapmint.wi.gov/phavr.html>
- Wisconsin Department of Health Services, Bureau of Communicable Diseases, Division of Public Health, Wisconsin Immunization Registry. (2019, March). *Vaccination Coverage among Wisconsin Children by age 24 Months, by Vaccine or Series, City or County of Residence, and Year*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p02003.pdf>
- Wisconsin Department of Health Services, Bureau of Communicable Diseases, Division of public Health, Wisconsin Immunization Registry. (2019, March). *Vaccination Coverage among Wisconsin Adolescents aged 13 through 18 Years, by Vaccine, City or County of Residence, and Year*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p02004.pdf>
- Wisconsin Department of Health Services, Bureau of Communicable Diseases, Division of Public Health, Wisconsin Immunization Registry. (2019, March). *Vaccination Coverage among Wisconsin Adolescents aged 13 through 18 Years, by Vaccine, Region of Residence and Year*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p02004a.pdf>
- Wisconsin Department of Health Services, Division of Public Health. (2017). *Sexually Transmitted Disease in Wisconsin 2017 [Fact sheet]*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p00415-2017.pdf>
- Wisconsin Department of Health Services, Wisconsin Student Immunization Law (2019). *Wisconsin School Immunization Rates [Map]*. Retrieved from <http://wi-dhs.maps.arcgis.com/apps/View/index.html?appid=f71ee5fcb366442fac970f054c7ee4d5>

# Reproductive Health

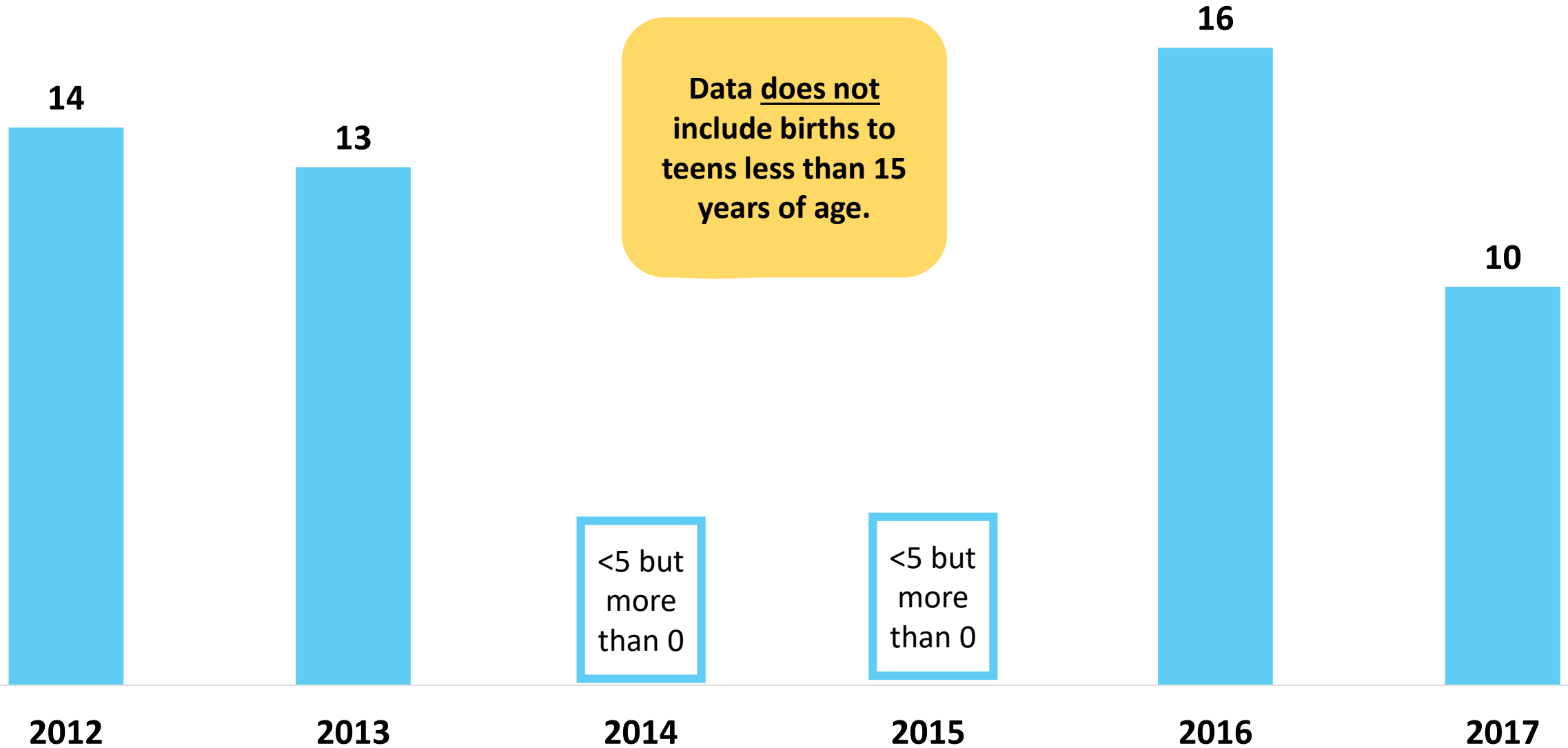
# Number of Births to Female Teens Aged 15-17 and 18-19 Shawano County (2012-2017)

■ Ages 15-17 ■ Ages 18-19

Data does not include  
births to teens less than  
15 years of age.



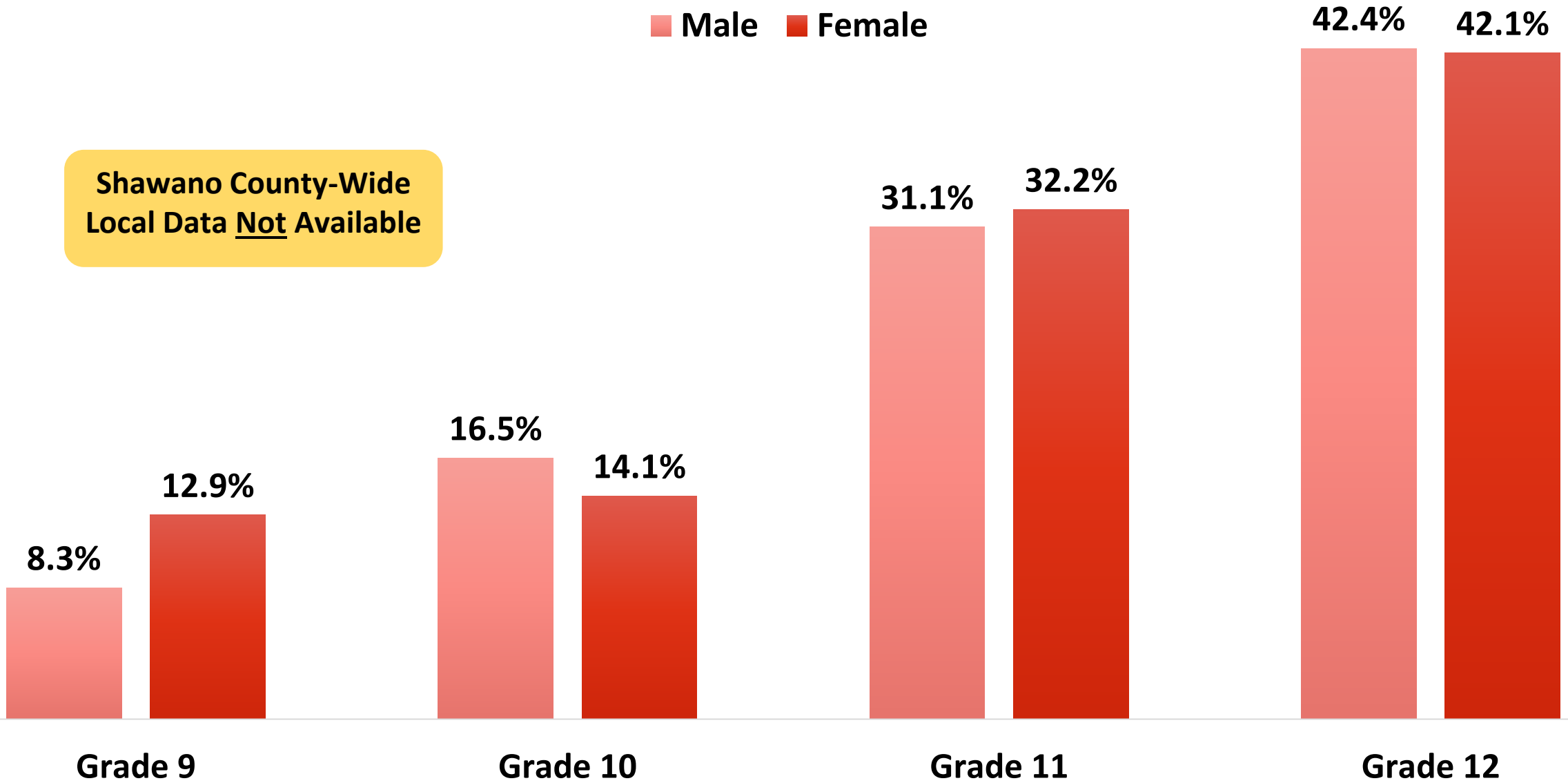
# Number of Births to Females Aged 15-19 (Teen Births) Menominee County (2012-2017)



# Percent of High School Youth Who Report Sexual Activity by Grade and Gender Wisconsin (2017)

Male Female

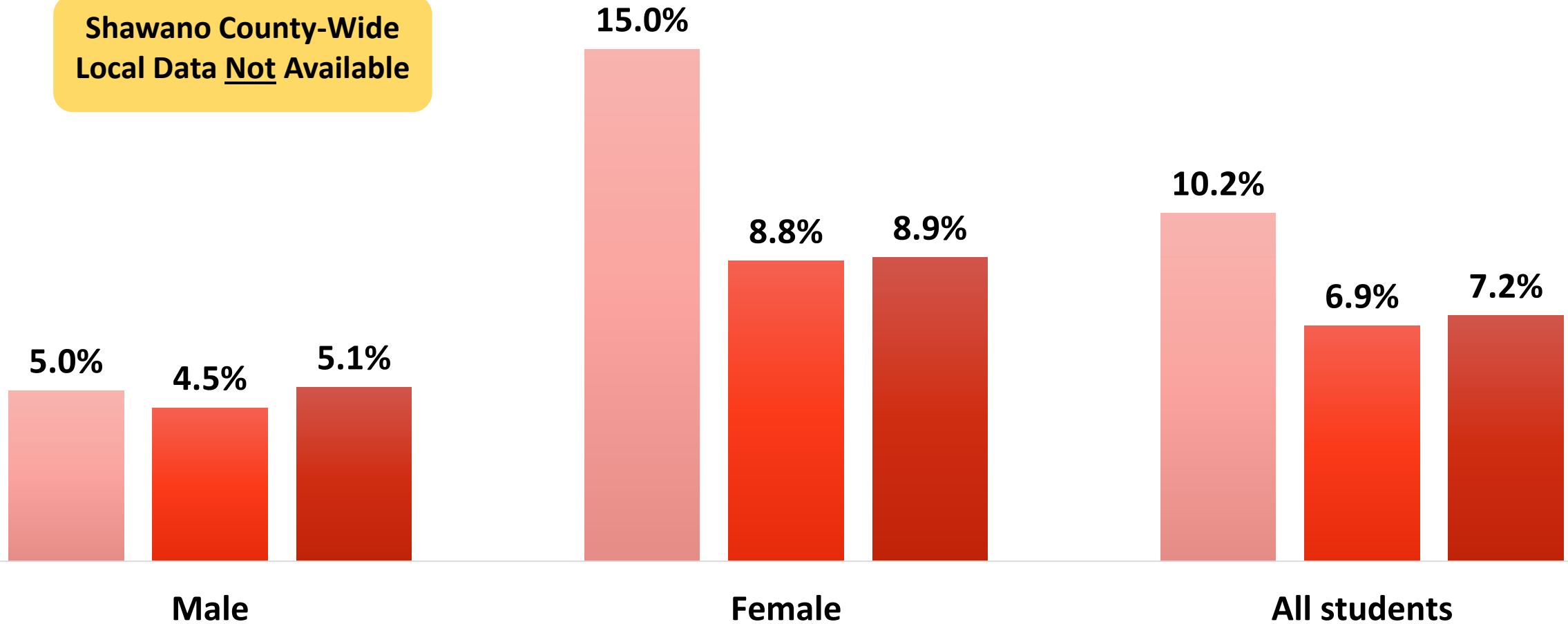
Shawano County-Wide  
Local Data Not Available



# Percent of High School Youth Who Report Experiencing Sexual & Dating Violence Wisconsin (2017)

Physical dating violence   Forced into any sexual activity   Rape

Shawano County-Wide  
Local Data Not Available



# References Reproductive Health

- Wisconsin Department of Health Services. (2019). Wisconsin Interactive Statistics on Health (WISH) Data Query System. Retrieved from <https://www.dhs.wisconsin.gov/wish/index.htm>
- Wisconsin Department of Public Instruction. (2018, March). 2017 Wisconsin Youth Risk Behavior Survey [Report]. Retrieved from <https://dpi.wi.gov/sites/default/files/imce/sspw/pdf/yrbs-2017-final-summary-report.pdf>



# Section 3

Growth and Development

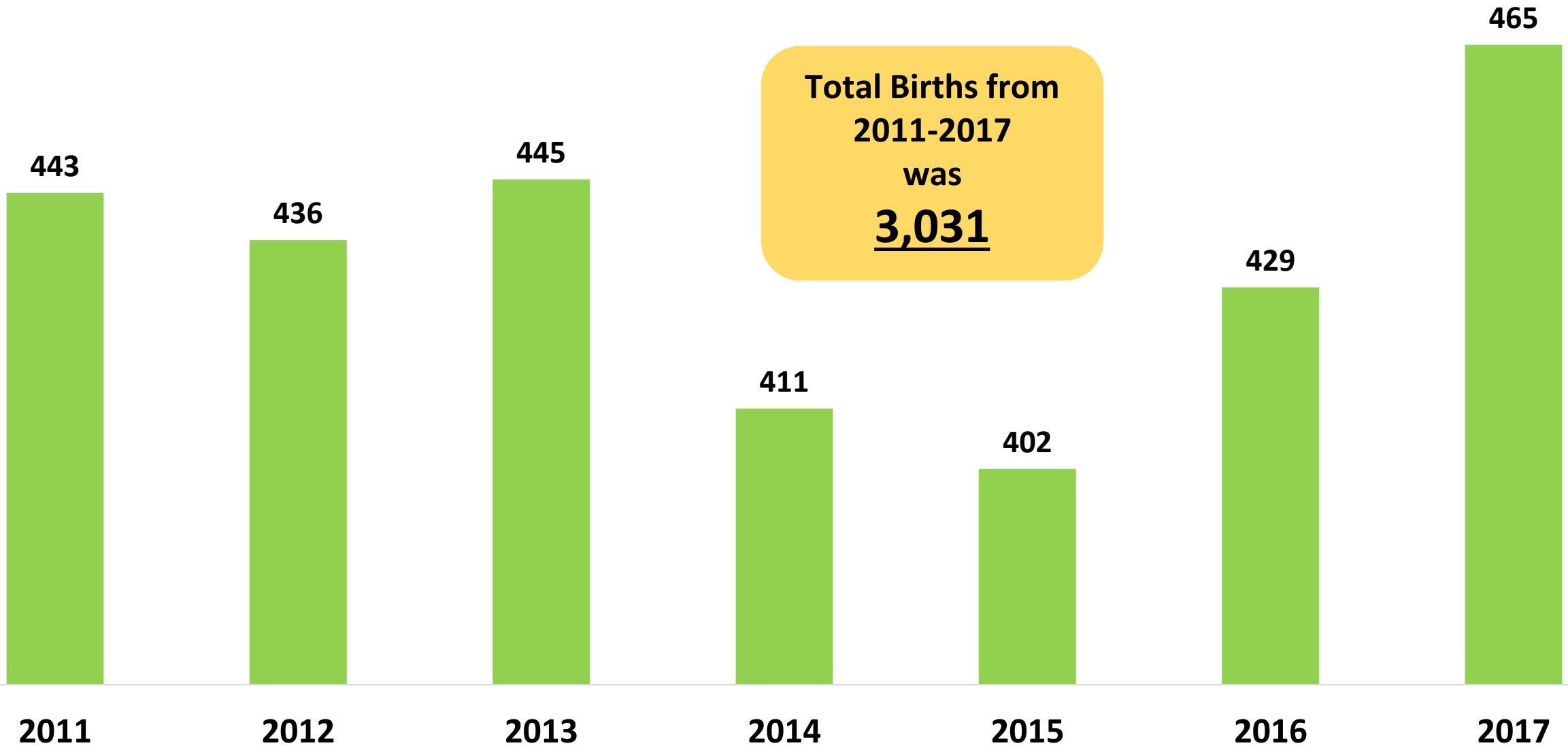
Oral Health

Safe, Adequate, and Appropriate Food & Nutrition

Physical Activity

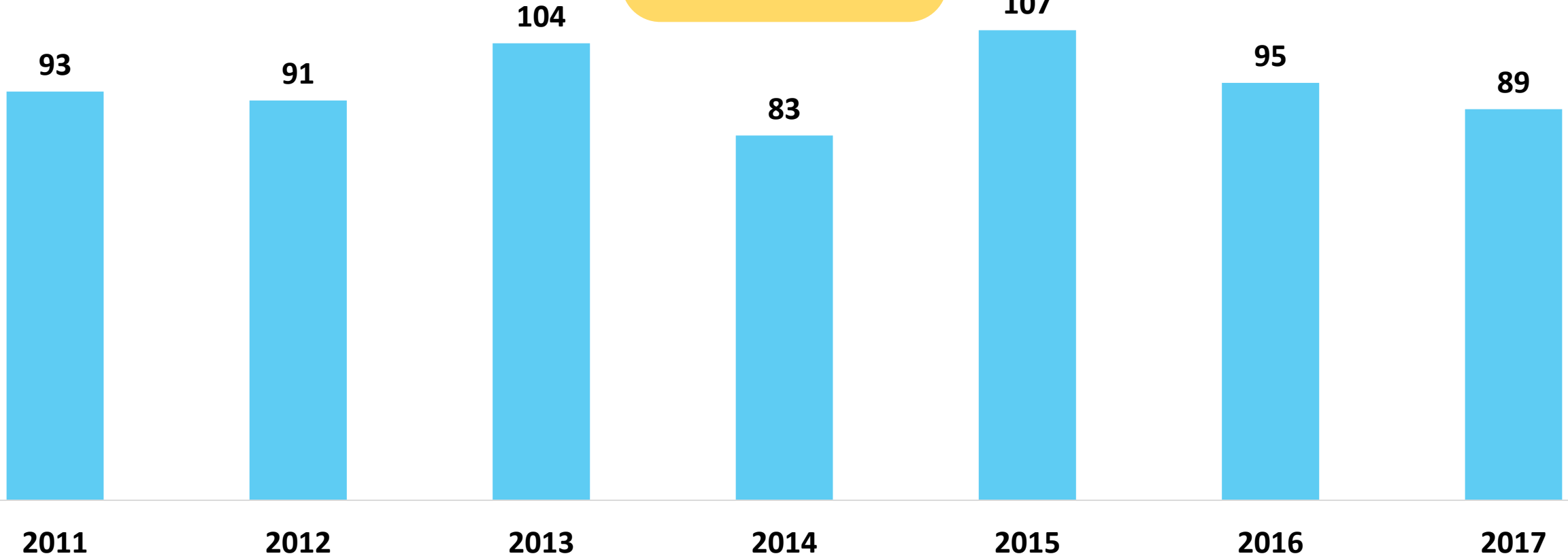
Growth & Development

# Total Number of Births Shawano County from 2011 to 2017

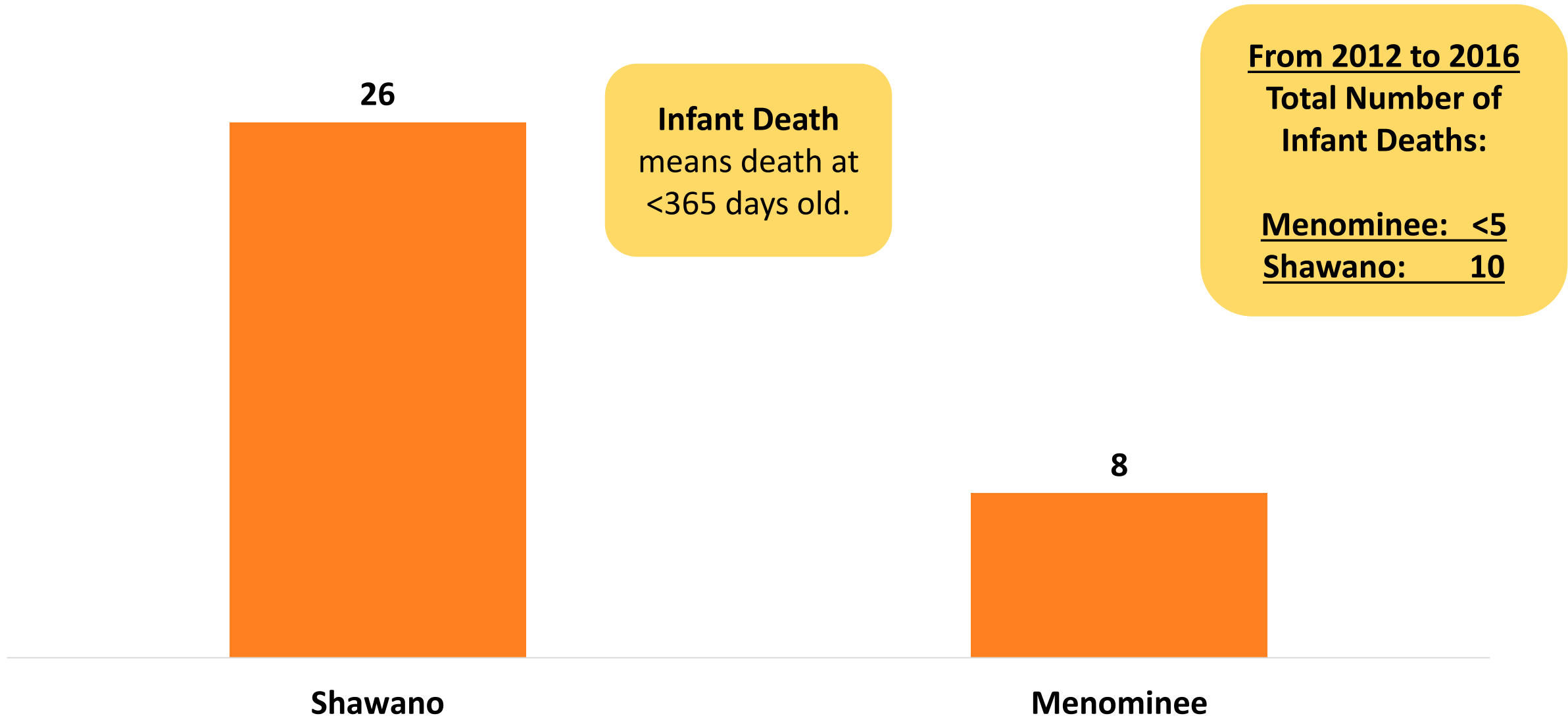


# Total Number of Births Menominee County from 2011 to 2017

Total Births from  
2011-2017  
was  
662



# Total Number of Infant Deaths Shawano County and Menominee County from 2007 to 2016



# Total Number of Births by Birthweight Shawano County from 2007 to 2017

Total Births  
from  
2010 – 2017  
is 3,478

2,500 Grams  
Equals  
5.5 Pounds

20

16

185

2878

379

Under 1,000 Grams

1,000-1,499 Grams

1,500-2,499 Grams

2,500-3,999 Grams

4,000+ Grams

Extremely Low  
Birthweight

Very Low  
Birthweight

Low  
Birthweight

# Total Number of Births by Birthweight Menominee County from 2007 to 2017

Total Births  
from  
2010 – 2017  
is 770

2,500 Grams  
Equals  
5.5 Pounds

<5  
But More  
Than 0

Under 1,000 Grams

Extremely Low  
Birthweight

6

1,000-1,499 Grams

Very Low  
Birthweight

48

1,500-2,499 Grams

Low  
Birthweight

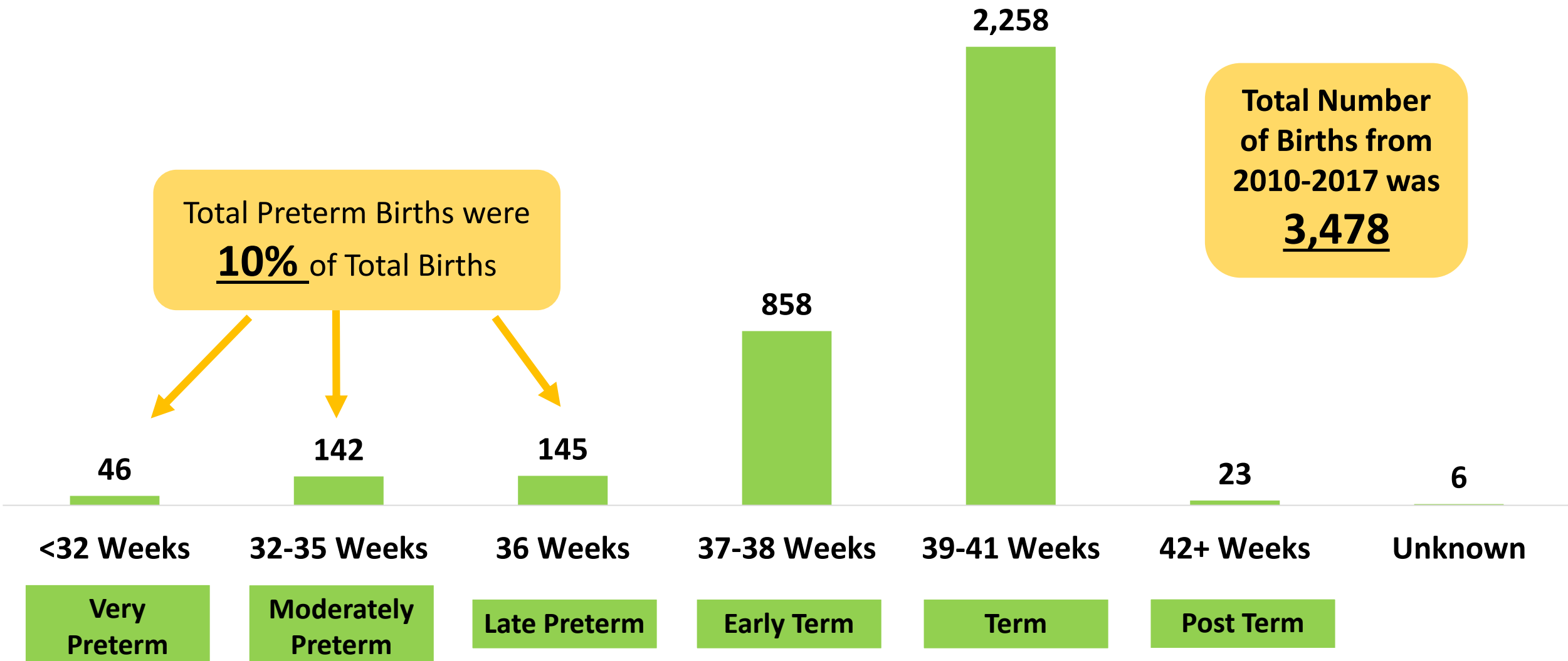
585

2,500-3,99 Grams

127

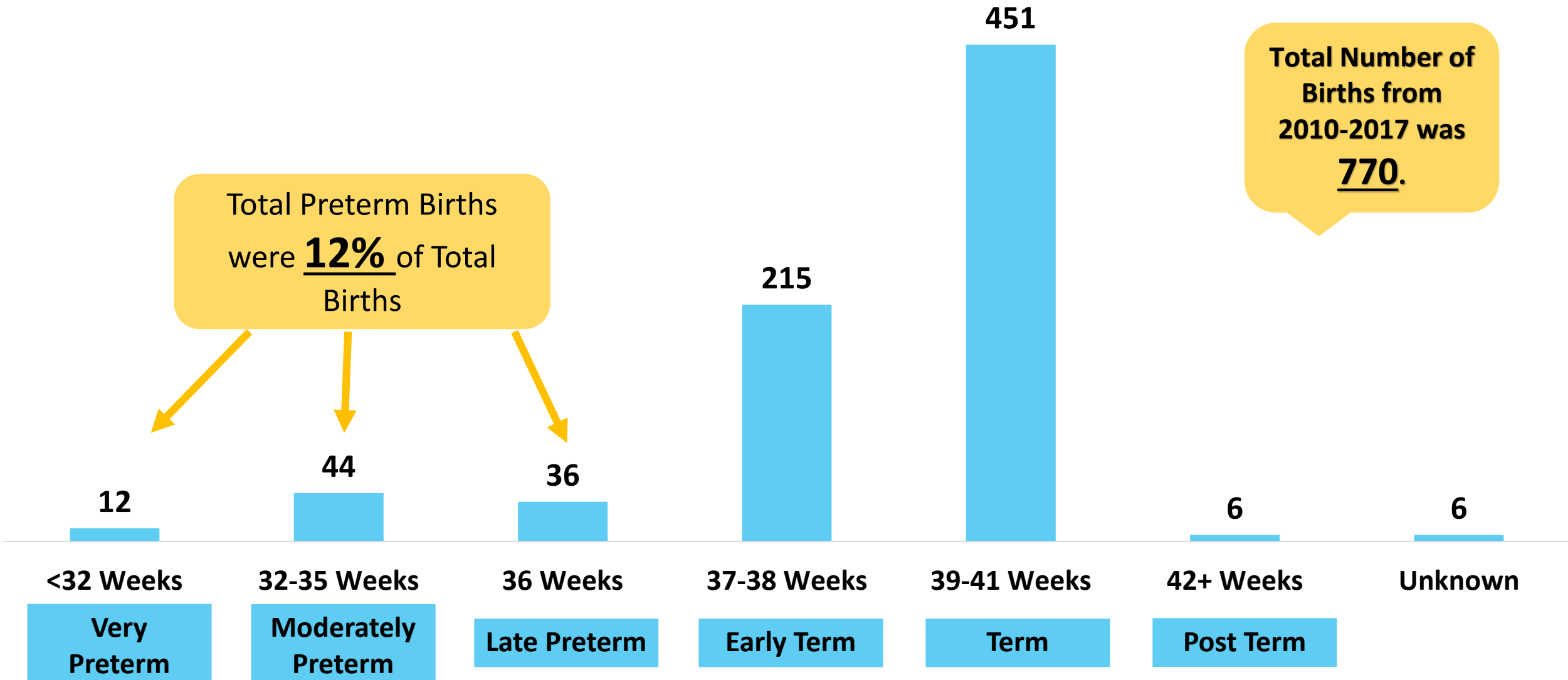
4,000+ Grams

# Total Number of Births by Gestational Age Shawano County from 2007 to 2017





# Total Number of Births by Gestational Age Menominee County from 2007 to 2017



# Percentage of Overweight and Obese (Pre-Pregnancy) Expecting Mothers Shawano County from 2012 to 2017

2012 2013 2014 2015 2016 2017

Steady

27.3%

23.8%

27.7%

25.6%

29.1%

25.2%

35.3%

36.4%

29.9%

37.3%

30.1%

34.4%

Overweight

Obese

# Percentage of Overweight and Obese (Pre-Pregnancy) Expecting Mothers Menominee County from 2013 to 2017

2013 2014 2015 2016 2017

Not Improving

29.8%

18.1%

27.1%

26.3%

29.2%

27.9%

43.4%

40.2%

43.2%

43.8%

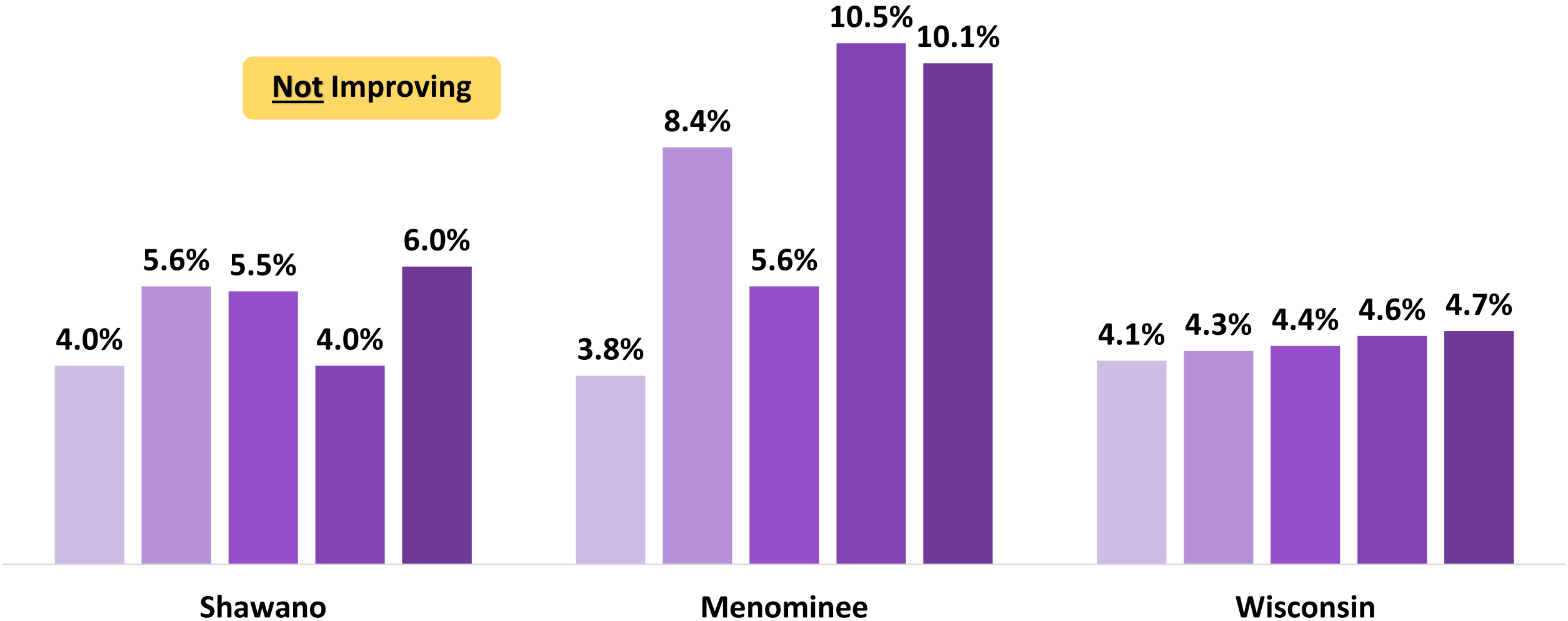
Overweight

Obese

# Percentage of Births Receiving No Prenatal Care or Started Care in Third Trimester Shawano County, Menominee County, and Wisconsin from 2013 to 2017

2013 2014 2015 2016 2017

Not Improving



# Birth to Three Shawano County in 2017

## Birth to Three Eligibility

	Shawano	Wisconsin
Number of Children Under 3	463	199,303
Number of Potentially Eligible Children	130	55,805
Number of Potentially Eligible Enrolled	118	12,449
Percent of Potentially Eligible Being Served	<b>91.0%</b>	22.3%

In 2017, Shawano County had the **highest** percent of potentially eligible children being served in Wisconsin. This percent **improved** from 2016.

## Eligibility Reasons

	Shawano	Wisconsin
Diagnosed Condition	16.1%	15.0%
25% Delay in Development	69.5%	74.8%
Atypical Development	14.4%	10.2%

# References Growth and Development

- United States Census Bureau. (2017). *Quick Facts- Wisconsin; Menominee County, Wisconsin; Shawano County, Wisconsin*. Retrieved from <https://www.census.gov/quickfacts/fact/table/WI,menomineecountywisconsin,shawanocountywisconsin/PST045218>
- Wisconsin Department of Health Services. (2019). Wisconsin Interactive Statistics on Health (WISH) Data Query System. Retrieved from <https://www.dhs.wisconsin.gov/wish/index.htm>
- Wisconsin Department of Health Services. (2019). *Birth to 3 Program Dashboard 2017*. Received from Shawano County Birth to 3 Coordinator on January 7, 2020.

Oral Health

# Tooth Decay Among Wisconsin Children in Head Start in 2014

## TOOTH DECAY

#1

Tooth decay is the most common chronic disease of childhood.

### DECAY BY THE NUMBERS



One in five Head Start children, ages 3 to 5, have early childhood tooth decay.



One in four Head Start children have untreated tooth decay and need treatment.



By age five, one in two Head Start children have had tooth decay.



### IMPROVEMENT NEEDED

Over the past 11 years Wisconsin has failed to improve the oral health of Head Start children.



# Tooth Decay Among Wisconsin 3rd Graders in 2018

## TOOTH DECAY

#1

Tooth decay is the most common chronic disease of childhood.

3 OUT OF 5 CHILDREN  
HAVE HAD TOOTH DECAY

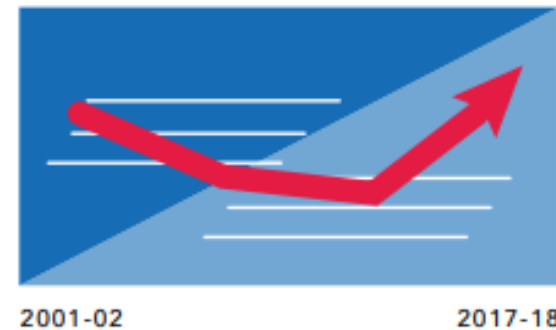


## UNTREATED TOOTH DECAY

1 in 5 children have untreated tooth decay.



## IMPROVEMENTS NEEDED



Currently children are experiencing more tooth decay compared to previous school years.

# Tooth Decay Among Wisconsin 9th Graders in 2015

## TOOTH DECAY

#1

Tooth decay is the most common chronic disease of childhood.



### TOOTH BRUSHING

Nearly 50% of ninth grade students reported brushing their teeth less than twice per day.

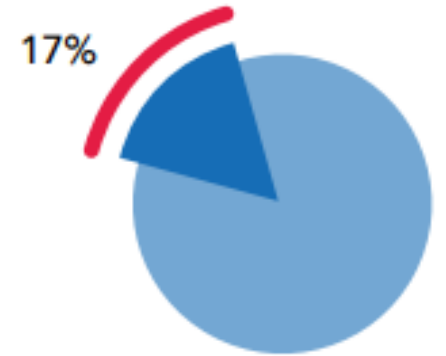
## DECAY BY THE NUMBERS



Tooth decay falls short by 7% of the Healthy People 2020 target (48%).



More than 18,000 ninth-graders have had tooth decay in their adult teeth.



1 in 6 ninth-graders need dental treatment for tooth decay.

# Tooth Decay Among Wisconsin Older Adults in 2018



## BROKEN TEETH

1 in 3 nursing home residents have teeth that have decayed or broken down to the gum line.



## BACK TOOTH LOSS

1 in 3 older adults in nursing homes do not have back teeth that function for eating.



## PERIODONTAL CARE

2 in 5 older adults in nursing homes need periodontal care.



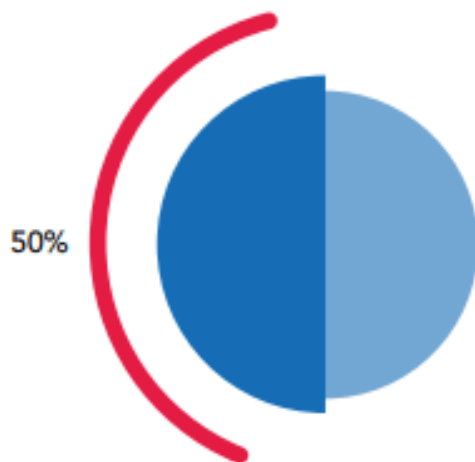
## ORAL DEBRIS

1 in 4 nursing home residents have substantial oral debris.



## GINGIVAL INFLAMMATION

1 in 4 older adults in nursing homes have moderate to severe gingival inflammation.



## UNTREATED DECAY

1 in 2 older adults in nursing homes have untreated tooth decay.



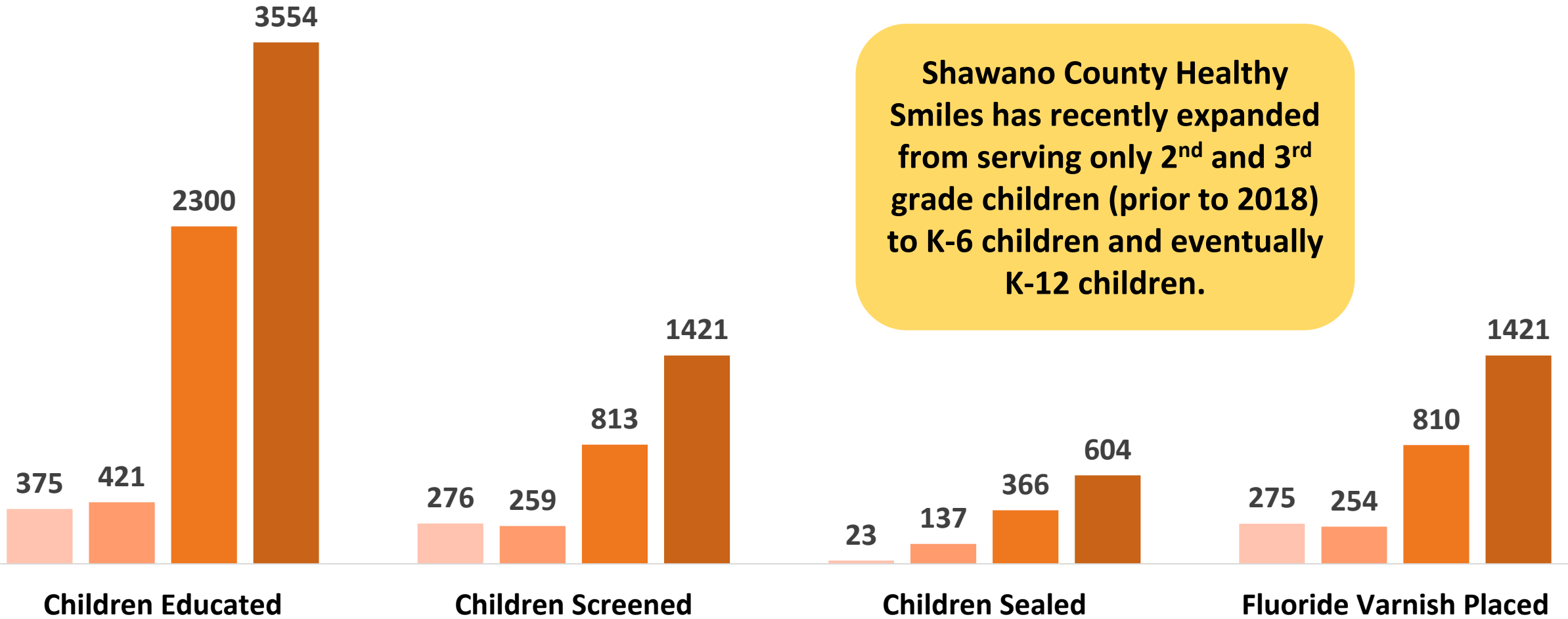
## UNMET DENTAL NEEDS

1 in 2 (50%) nursing home residents have unmet dental treatment needs.

# Shawano County Healthy Smiles (Seal-A-Smile) Data from 2016-2020

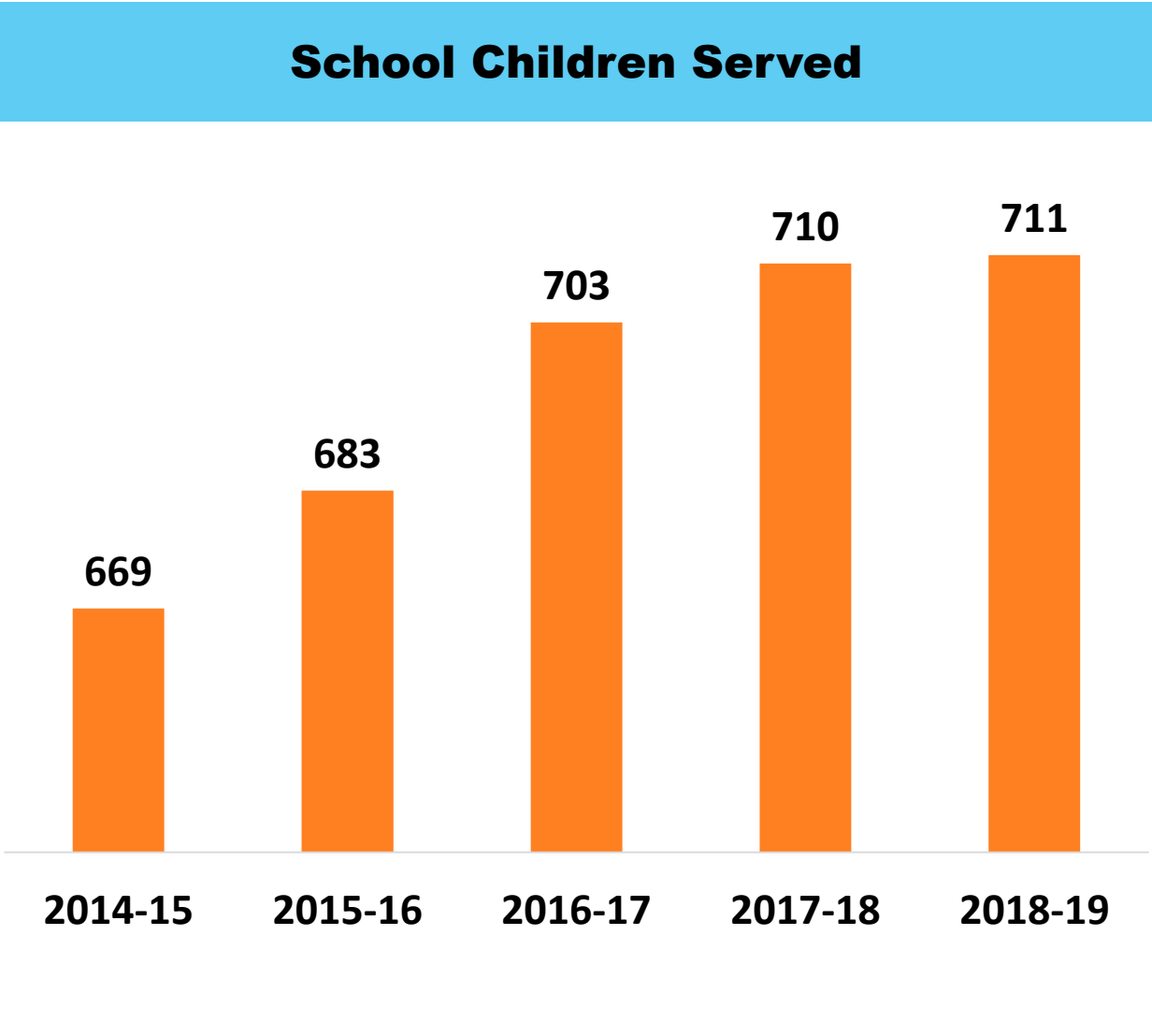
2016-2017 2017-2018 2018-2019 2019-2020 Projected

Shawano County Healthy Smiles has recently expanded from serving only 2<sup>nd</sup> and 3<sup>rd</sup> grade children (prior to 2018) to K-6 children and eventually K-12 children.

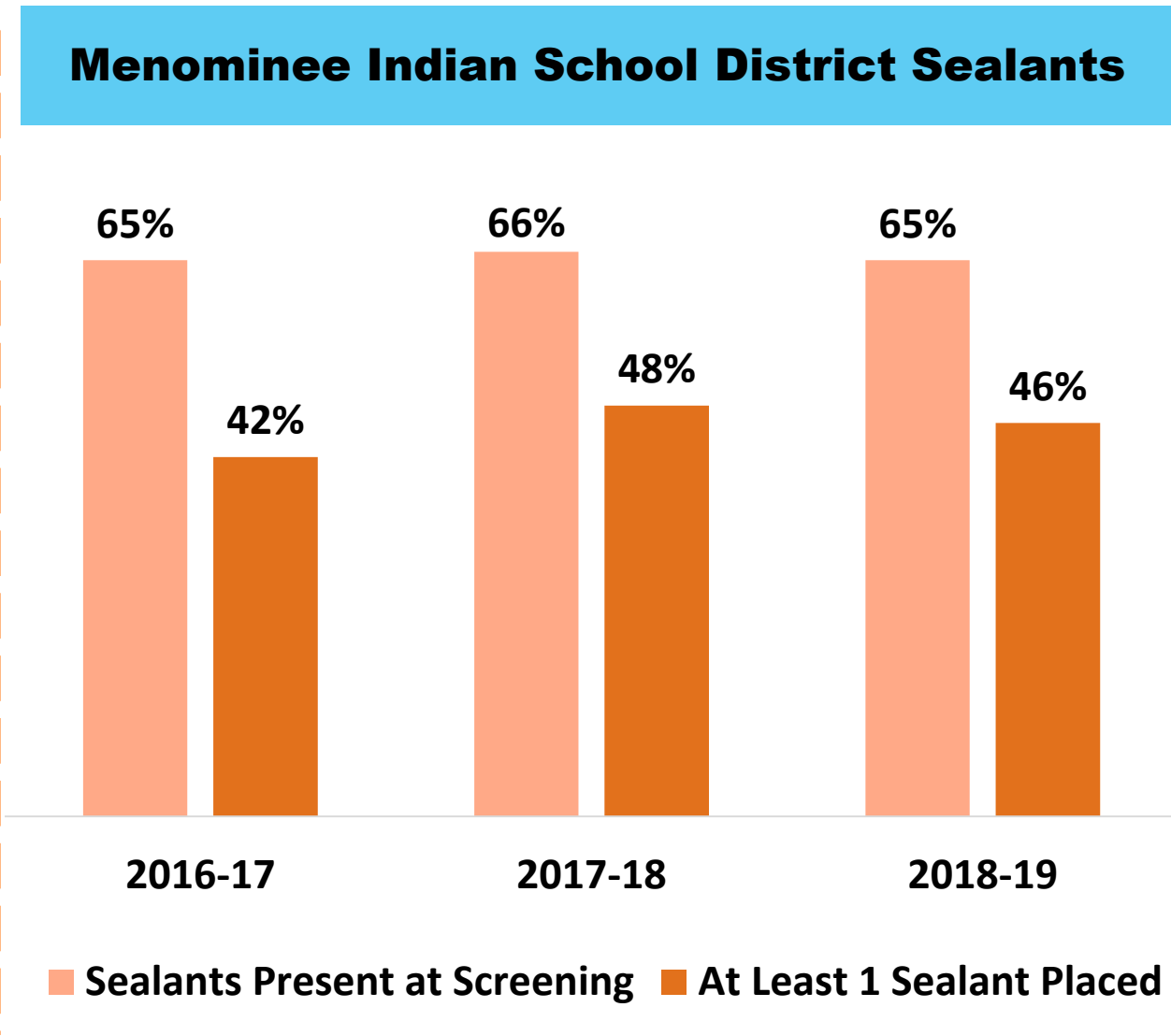


# Menominee Tribal Clinic School Aged Dental Service Data from 2016-2020

School Children Served



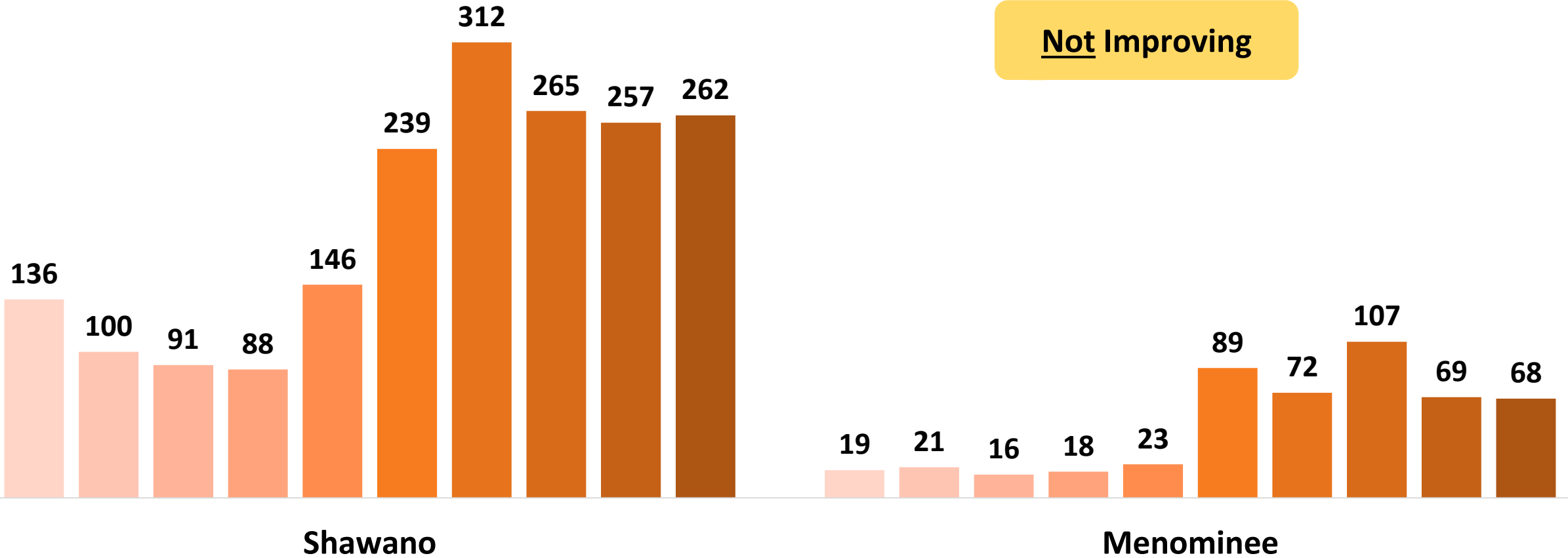
Menominee Indian School District Sealants



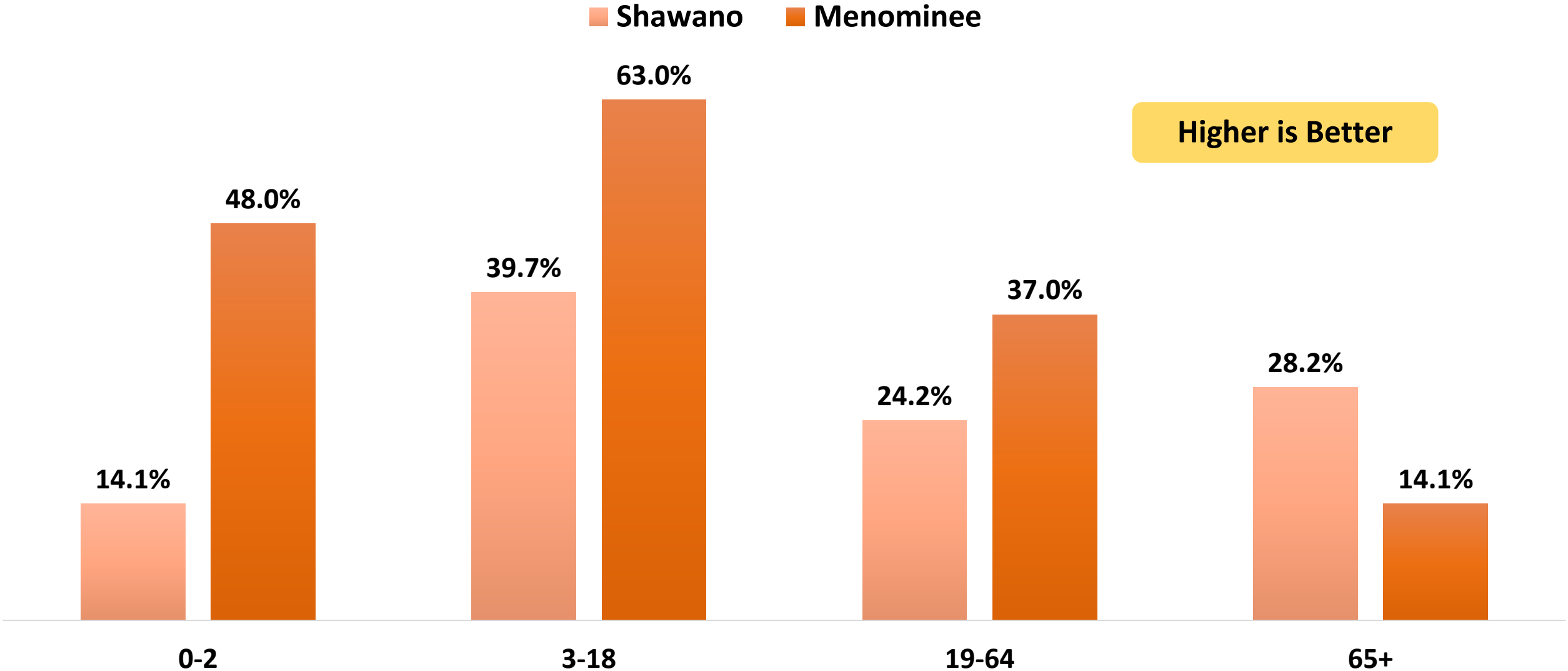
# Dental Related Emergency Room Visits Shawano County and Menominee County from 2005 to 2014

2005 2014

Not Improving



# Percentage of Medicaid/BadgerCare Plus Members with a Dental Service Shawano County and Menominee County in 2010



Higher is Better

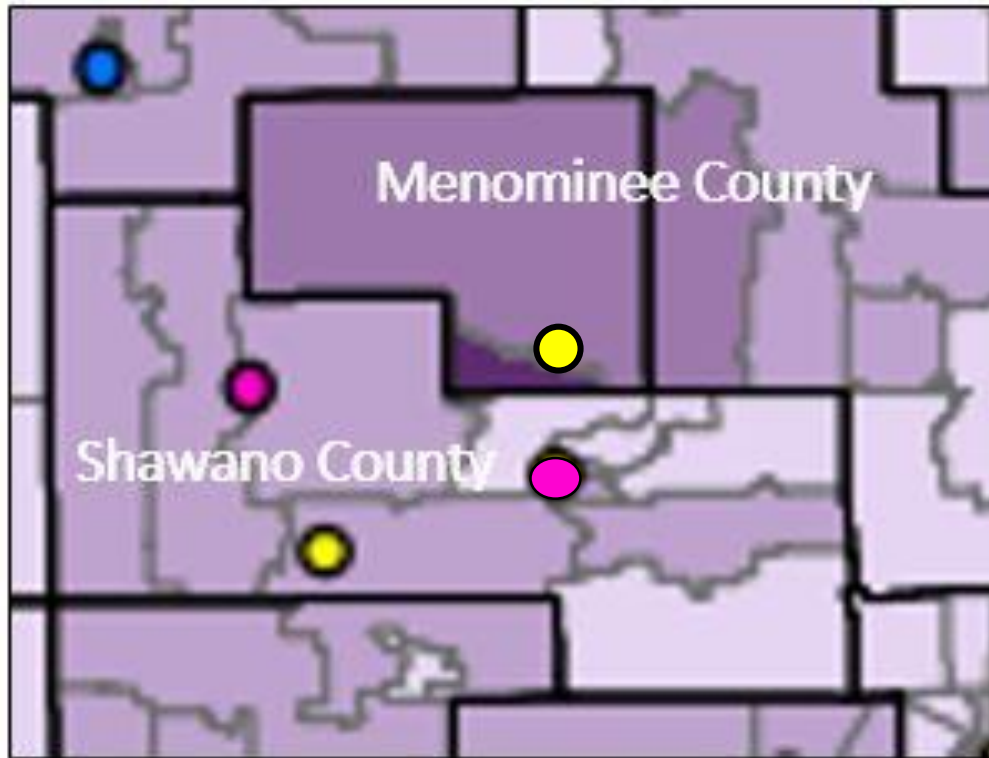
# References Oral Health

- Menominee Tribal Clinic. (2019). *MISD-Sealants*. Internal Menominee Tribal Clinic report: unpublished.
- Wisconsin Department of Health Services. (2019). *Environmental Public Health Tracking Portal*. Retrieved from <https://dhsgis.wi.gov/DHS/EPHTracker/#/map>
- Wisconsin Department of Health Services. (2019). *Wisconsin Healthy Smiles Survey 2014 Wisconsin's Head Start Children*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p01702a.pdf>
- Wisconsin Department of Health Services. (2019). *Wisconsin Healthy Smiles Survey 2015 The Oral Health of Wisconsin's Ninth-Graders*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p01825a.pdf>
- Wisconsin Department of Health Services. (2018). *Wisconsin Healthy Smiles Survey The Oral Health of Wisconsin's Older Adults*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p01121a.pdf>
- Wisconsin Department of Health Services. (2019). *Wisconsin Healthy Smiles Survey 2018 Wisconsin's Third-Grade Children*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p0/p00589a.pdf>
- Wisconsin Seal-A-Smile Program. (2019). DentaSeal Data Portal.



Safe, Adequate, & Appropriate  
Food & Nutrition

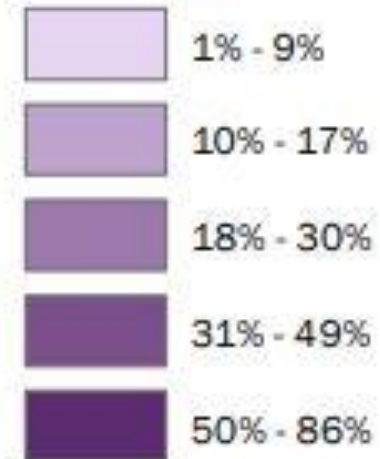
# Farmers Markets in Shawano and Menominee Counties



## Farmers Markets

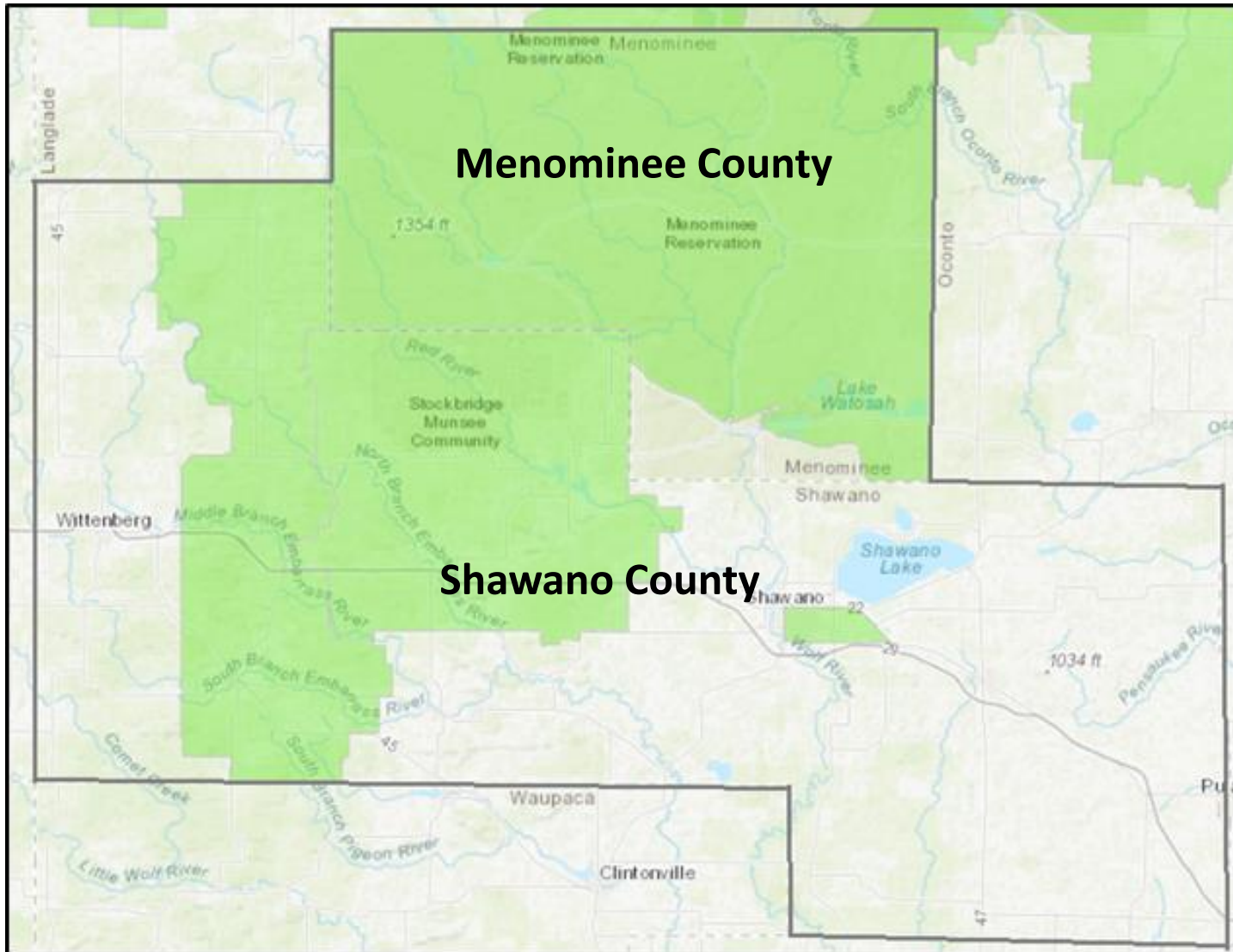
- Authorized & Accepting EBT
- Authorized but Not Accepting EBT
- Not Authorized to Accept EBT


## Percent Poverty



# Food Deserts

## Shawano County and Menominee County as of 2017



 = Food desert areas

**Food Desert:** Low income areas that lack access to healthy, nutritious, and affordable food.

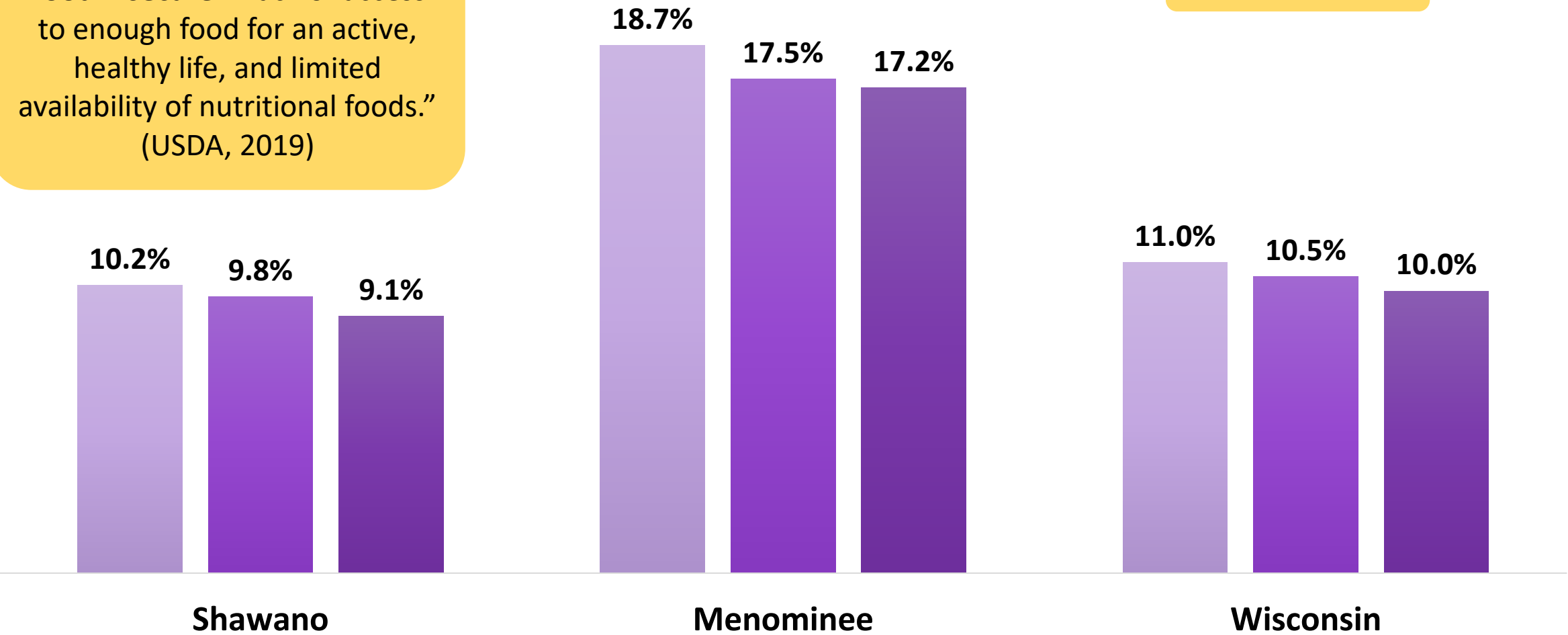
- Urban (city) Area = At least 33% of the population lives **more than 1 mile from a supermarket/grocery store**
- Rural (country) Area = At least 33% of the population lives **more than 10 miles from a supermarket/grocery store**

# Percent of Food Insecure Residents Shawano County, Menominee County, and Wisconsin from 2015-2017

■ 2015 ■ 2016 ■ 2017

**Food insecure:** “Lack of access to enough food for an active, healthy life, and limited availability of nutritional foods.”  
(USDA, 2019)

Improving

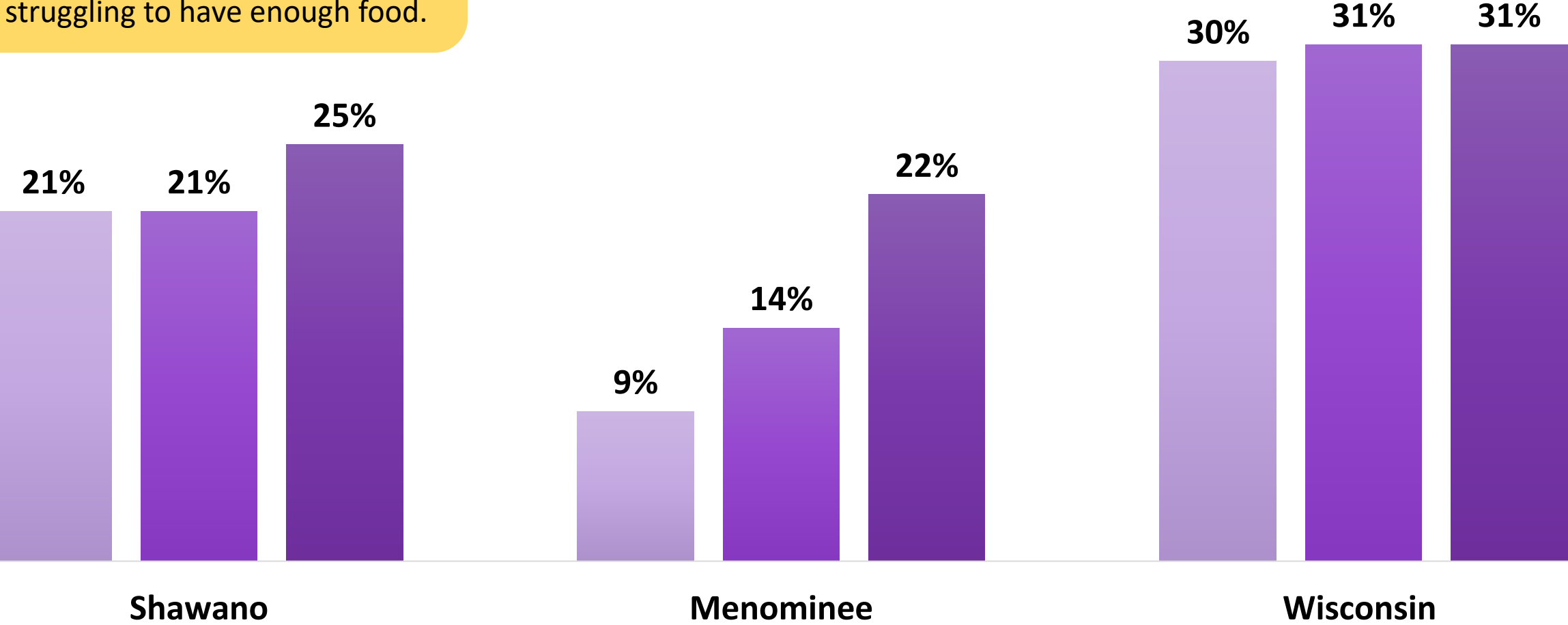


# Percent of Food Insecure Residents not Eligible for Food Assistance Programs Shawano County, Menominee County, and Wisconsin from 2015-2017

This shows that while people are making more money or have more jobs they still may be struggling to have enough food.

■ 2015 ■ 2016 ■ 2017

Not Improving

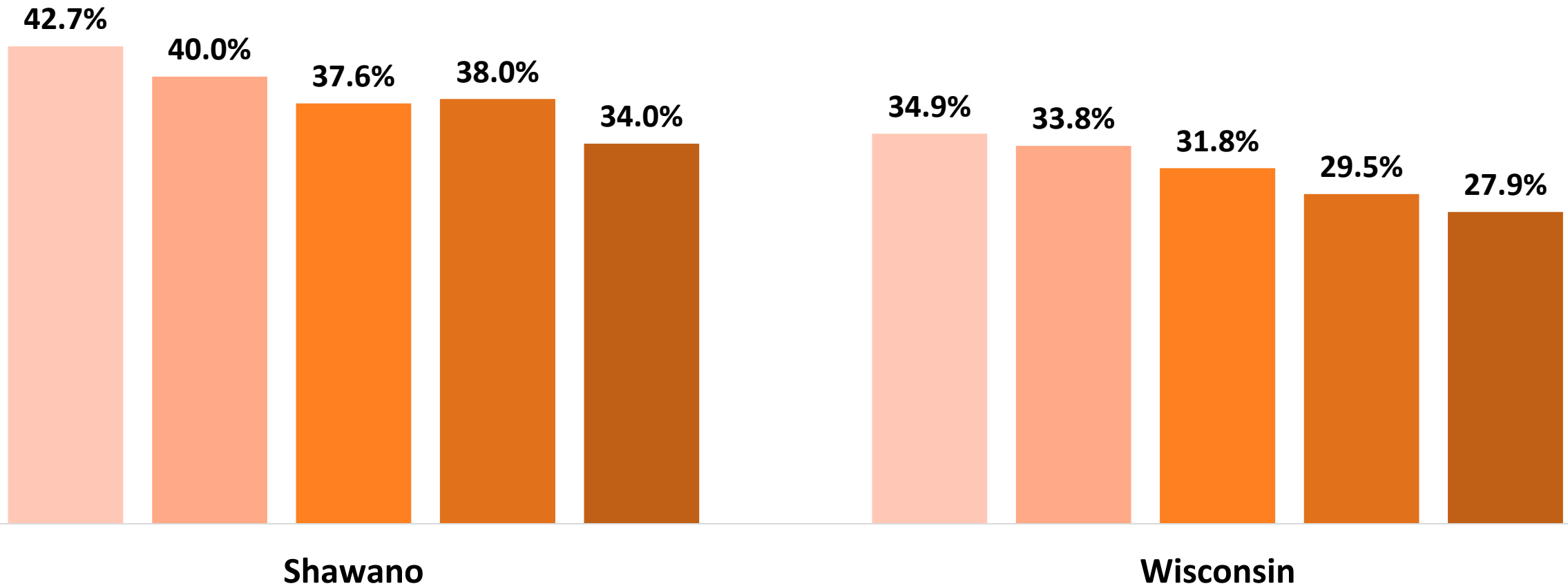


# Percentage of Mothers Receiving WIC Food During Pregnancy Shawano County and Wisconsin from 2013-2017

WIC eligibility is  
determined by income  
and family size.

2013 2014 2015 2016 2017

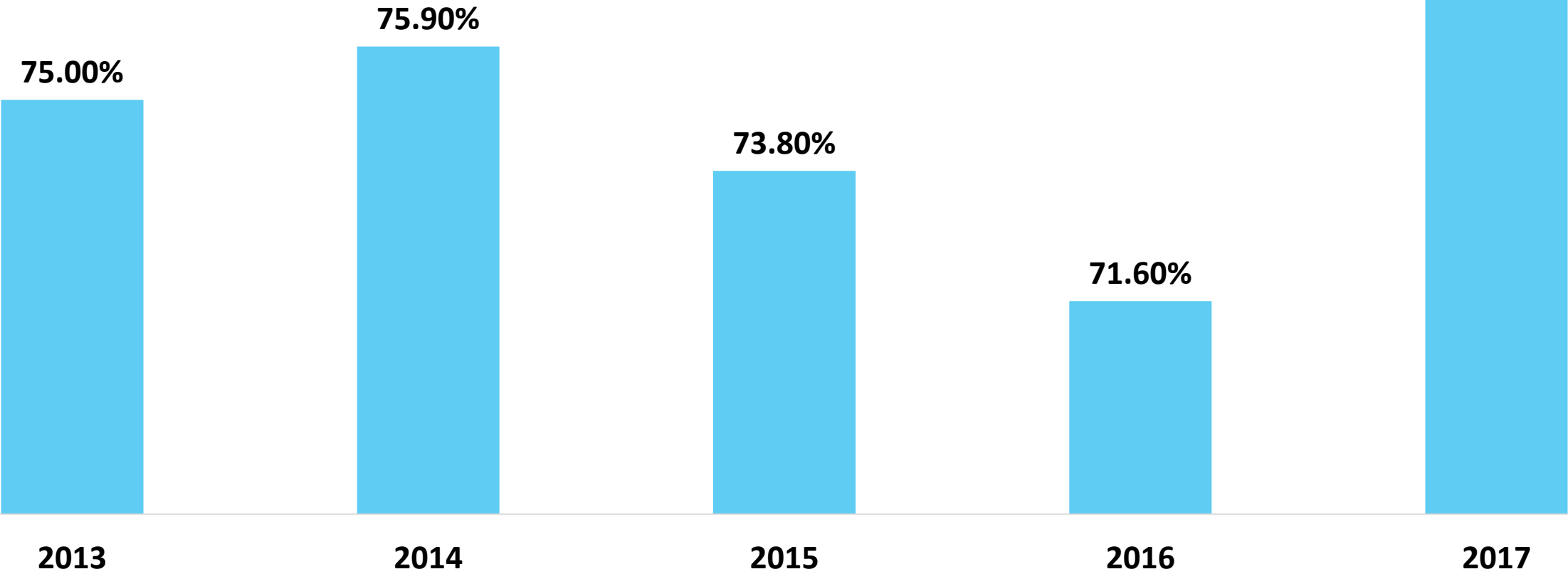
More WIC eligible people  
using WIC is better.



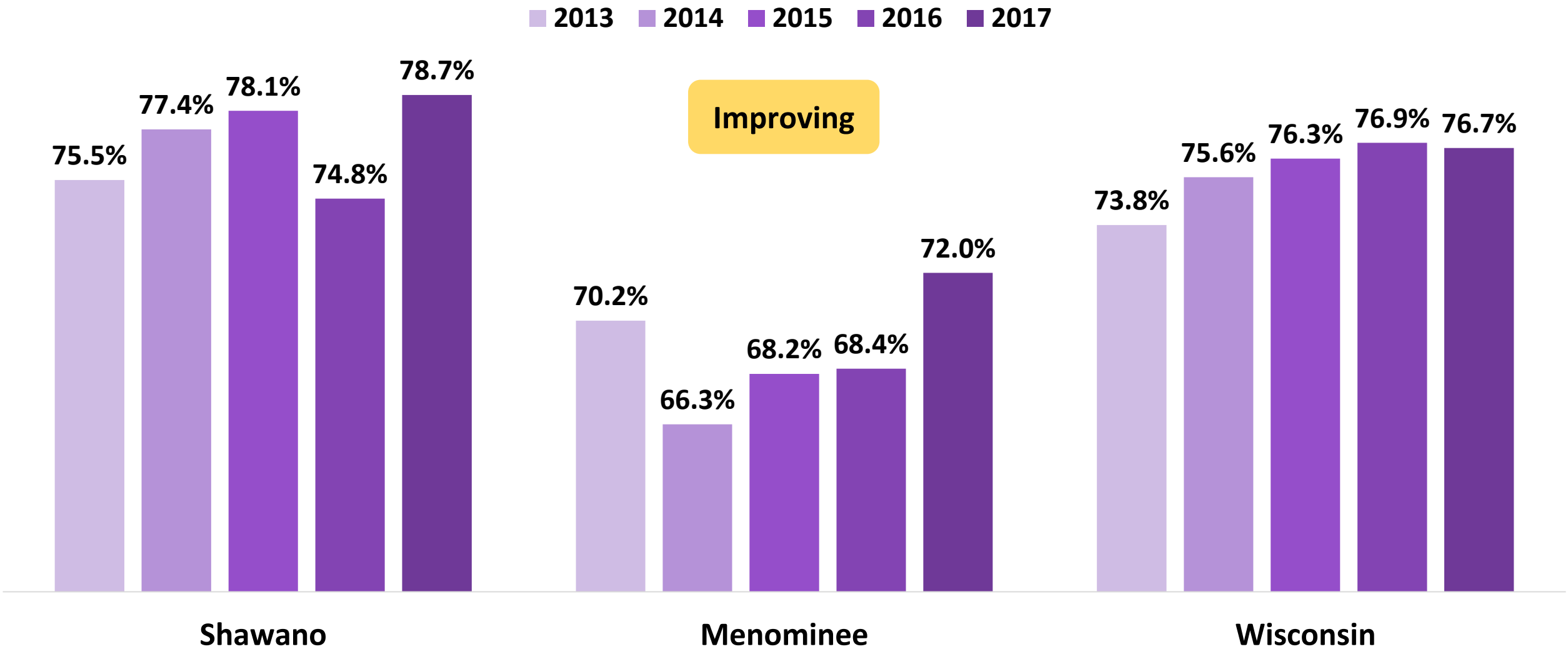
# Percentage of Mothers Receiving WIC Food During Pregnancy Menominee County from 2013-2017

WIC eligibility is  
determined by income  
and family size.

More WIC eligible people  
using WIC is better.



# Percentage of Infants Breastfed from 2013-2017





# References Food & Nutrition

- Feeding America (2019). *Food Insecurity in Menominee County*. Retrieved from <https://map.feedingamerica.org/county/2017/overall/wisconsin/county/menominee>
- Feeding America (2019). *Food Insecurity in Shawano County*. Retrieved from <https://map.feedingamerica.org/county/2017/overall/wisconsin/county/shawano>
- Feeding America (2019). *Food Insecurity in Wisconsin*. Retrieved from <https://map.feedingamerica.org/>
- United States Department of Health & Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Division of Nutrition, Physical Activity, and Obesity. (2018, August 20). Breastfeeding Report Card. Retrieved from <https://www.cdc.gov/breastfeeding/data/reportcard.htm>
- United States Department of Agriculture, Economic Research Service. Go to the Atlas [Map]. (2017, May 18). In *United States Department of Agriculture*. Retrieved from <https://www.ers.usda.gov/data-products/food-access-research-atlas/go-to-the-atlas/>
- Wisconsin Department of Health Services, Division of Public Health, Chronic Disease Prevention Program. Farmer's Market Availability and Percent Poverty by Census Tract [Map]. (2017, July). In *Wisconsin Department of Health Services*. Retrieved from <https://www.dhs.wisconsin.gov/publications/p01967.pdf>
- Wisconsin Department of Health Services. (2019). *Wisconsin WIC*.
- Wisconsin Department of Health Services. (2019). *Wisconsin WIC Participation Data*. Retrieved from <https://www.dhs.wisconsin.gov/wic/participation-data.htm>
- Wisconsin Department of Health Services. (2018, May 23). *WIC Farmers Market Nutrition Program*. Retrieved from <https://www.dhs.wisconsin.gov/wic/fmnp/index.htm>

Physical Activity

# Physical Activity Recommendations

## Activity Per Week for Kids 3-5 Years

Move throughout the day

## Activity Recommendations for Kids 6-17 Years

60 Minutes/Day

Moderate  
To  
Vigorous  
Mostly Aerobic

### Additional Activity

3 Days/Week

Vigorous  
Aerobic

3 Days/Week

Strengthening Activities

Increase amount and intensity over time

## Activity Per Recommendations for Adults

150 Minutes/Week

Moderate  
Aerobic

75 Minutes/Week

Vigorous  
Aerobic

Combination of Both

### Additional Activity

2 Days/ Week

Moderate  
to  
High Intensity  
Muscle Strengthening

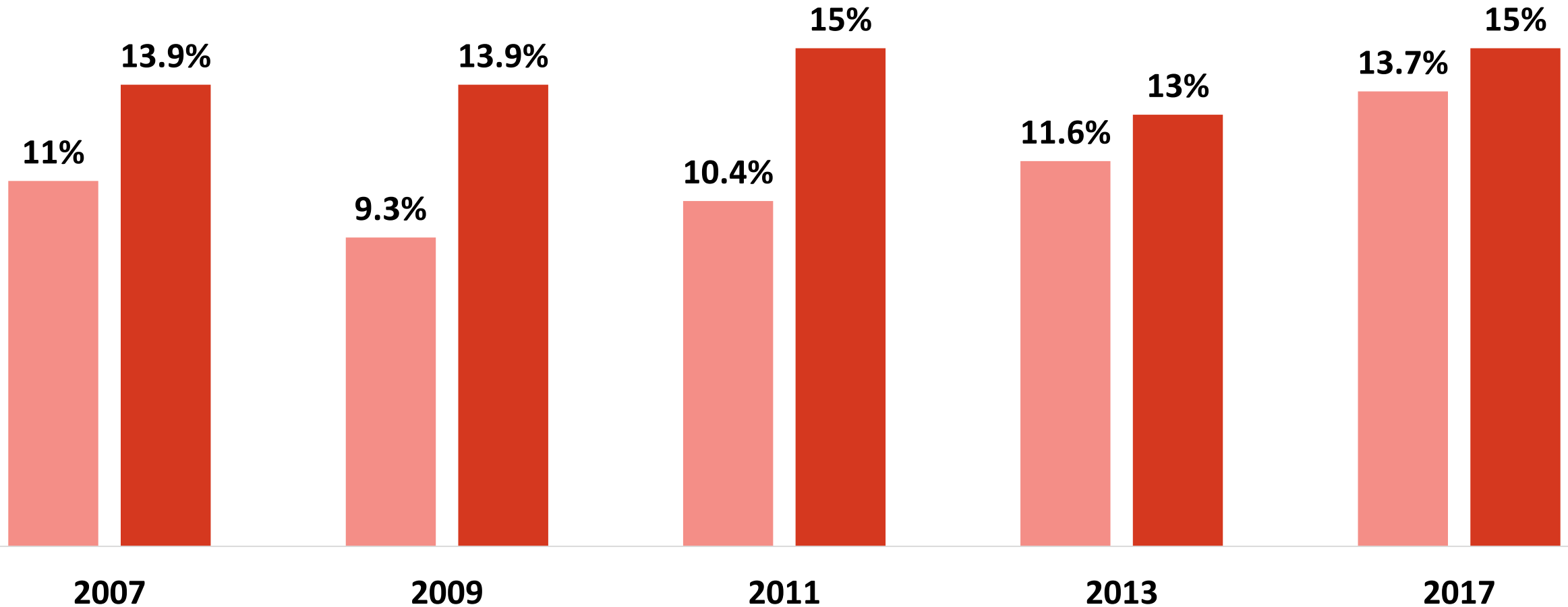
Less Time Sitting

Increase amount and intensity over time

# Percentage of High School Students Considered Obese or Overweight Wisconsin (2017)

Obese Overweight

Shawano County-Wide  
Local Data Not Available



# Percentage of High School Students Who Reported Wisconsin in 2017

Attend  
Physical Education Class  
**Daily: 36%**  
**Weekly: 50.8%**

**Shawano County-Wide  
Local Data Not Available**

1 Hour of Physical  
Activity Daily  
**24.7%**

Overweight  
**15.0%**

3 or More Hours Per Day on  
Phones or Other Screens  
**40.3%**

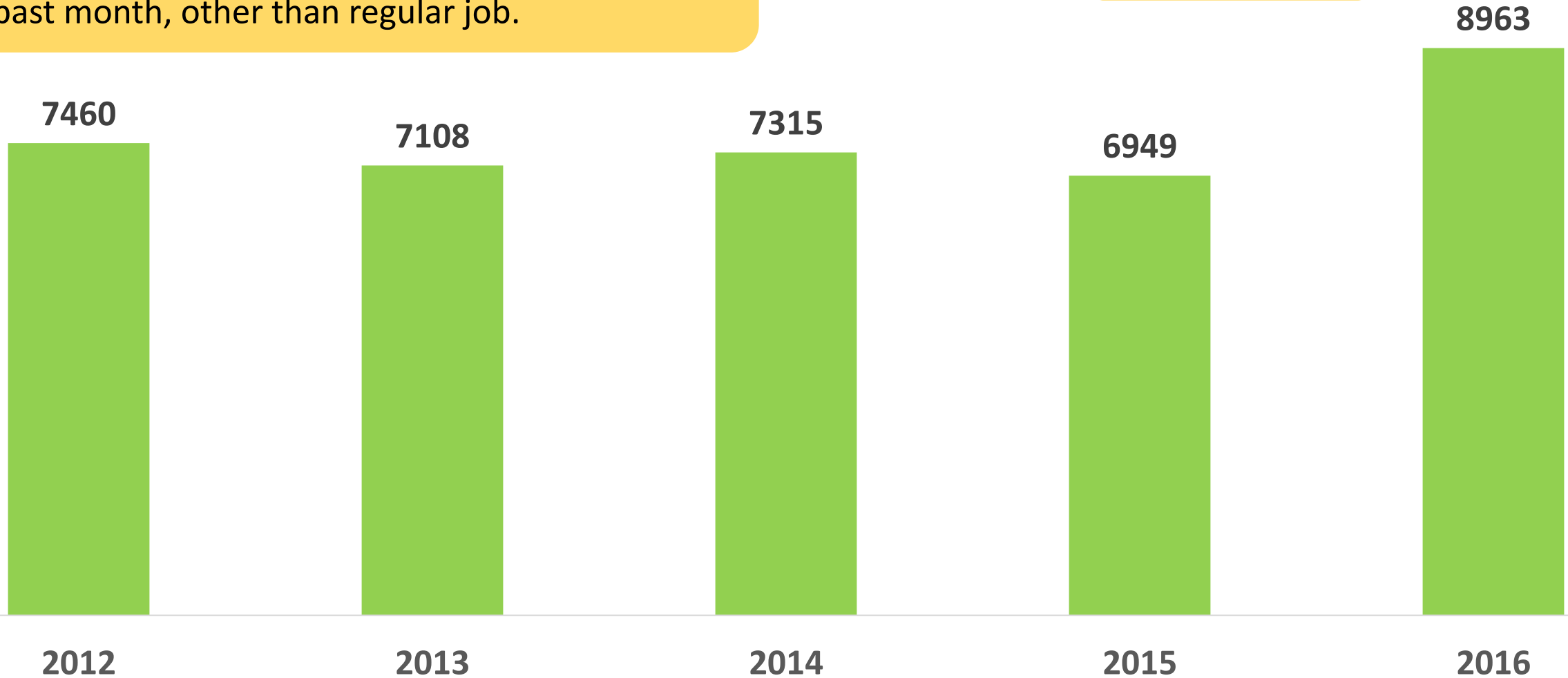
Obese  
**13.7%**

# Number of Adults (aged 20+) that Reported being Physically Inactive Shawano County from 2010-2016

## Physical Inactivity:

Report no physical activities or exercises in the past month, other than regular job.

Not Improving



# Number of Adults (aged 20+) that Reported they are Obese Shawano County from 2010-2016

**Body Mass Index (BMI):**

A calculation of weight [kg]/height[m]<sup>2</sup>.

**Overweight:**

BMI between 25 and 30.

**Obesity:**

BMI of 30 or more.

Not Improving

10518

10703

10785

11143

11324

2012

2013

2014

2015

2016

# Number of Adults (aged 20+) that are Physically Inactive Menominee County from 2010-2016

## Physical Inactivity:

Report no physical activities or exercises in the past month, other than regular job.

Improving

856

824

856

759

650

2012

2013

2014

2015

2016



# Number of Adults (aged 20+) that are Obese Menominee County from 2010-2016

## Body Mass Index (BMI):

A calculation of weight [kg]/height[m]<sup>2</sup>.

## Overweight:

BMI between 25 and 30.

## Obesity:

BMI of 30 or more.

Not Improving

1149

1191

1306

1077

1251

2012

2013

2014

2015

2016

# References Physical Activity

- American Heart Association. (2018). *American Heart Association Recommendations for Physical Activity in Adults and Kids*. Retrieved from <https://www.heart.org/en/healthy-living/fitness/fitness-basics/aha-recs-for-physical-activity-in-adults>
- Centers for Disease Control and Prevention. (2019). *Newly Diagnosed Diabetes*. Retrieved from <https://gis.cdc.gov/grasp/diabetes/DiabetesAtlas.html>
- Wisconsin Department of Public Instruction. (2018, March). 2017 Wisconsin Youth Risk Behavior Survey [Report]. Retrieved from <https://dpi.wi.gov/sites/default/files/imce/sspw/pdf/yrbs-2017-final-summary-report.pdf>

## Discussion

1. How does the data/information make you feel? What surprises you about the data/information?
2. Which issue(s) affects the most people and the most severely?
3. How do the survey and key informant notes relate to the issue(s)?
4. How might issues be related to each other? Should issues be grouped together?
5. Which issues have more resources and work being done? Which issues have gaps in resources or work being done?
6. What does our community think about the issues? Would the community support work on some issues more than others?


VOTING

# Voting

- Please help us select public health priorities for the next 5 years by ranking the health issues!
  - Rank from 1 through 12 and **circle your top 3– with 1 being highest priority**
- Use the voting guide sheet & all of the information discussed today to help cast your vote.
- After 1 round, we will vote again.
  - Rank the top 3 – with 1 being the highest priority
- We will look for the top 3 priorities.

# Voting

VOTING RESULTS

Voting		
	Health Area	POINTS
1	Mental Health	150
2	Alcohol and Other Drug Use	92
3	Chronic Disease	31
 Lens	Safe, Adequate Food & Nutrition	25
	Injury and Violence	15
	Growth and Development	13
	Oral Health	12
	Physical Activity	11
	Tobacco Use and Exposure	8
	Environmental and Occupational Health	7
	Communicable Disease	6
	Reproductive Health	6

NEXT STEPS



# Next Steps

- Who is interested in the work?
- Align people and groups
- Steering Committee:
  - Develop format for CHIP
  - Finalize CHIP
  - Monitor task teams/activities/measures/outcomes on health areas
- Task Teams:
  - Completing a Root Cause Analysis for the health area
  - Creating Goals/Objectives/Measures for the health area
  - Reporting these ideas to the Steering Committee

# Next Steps

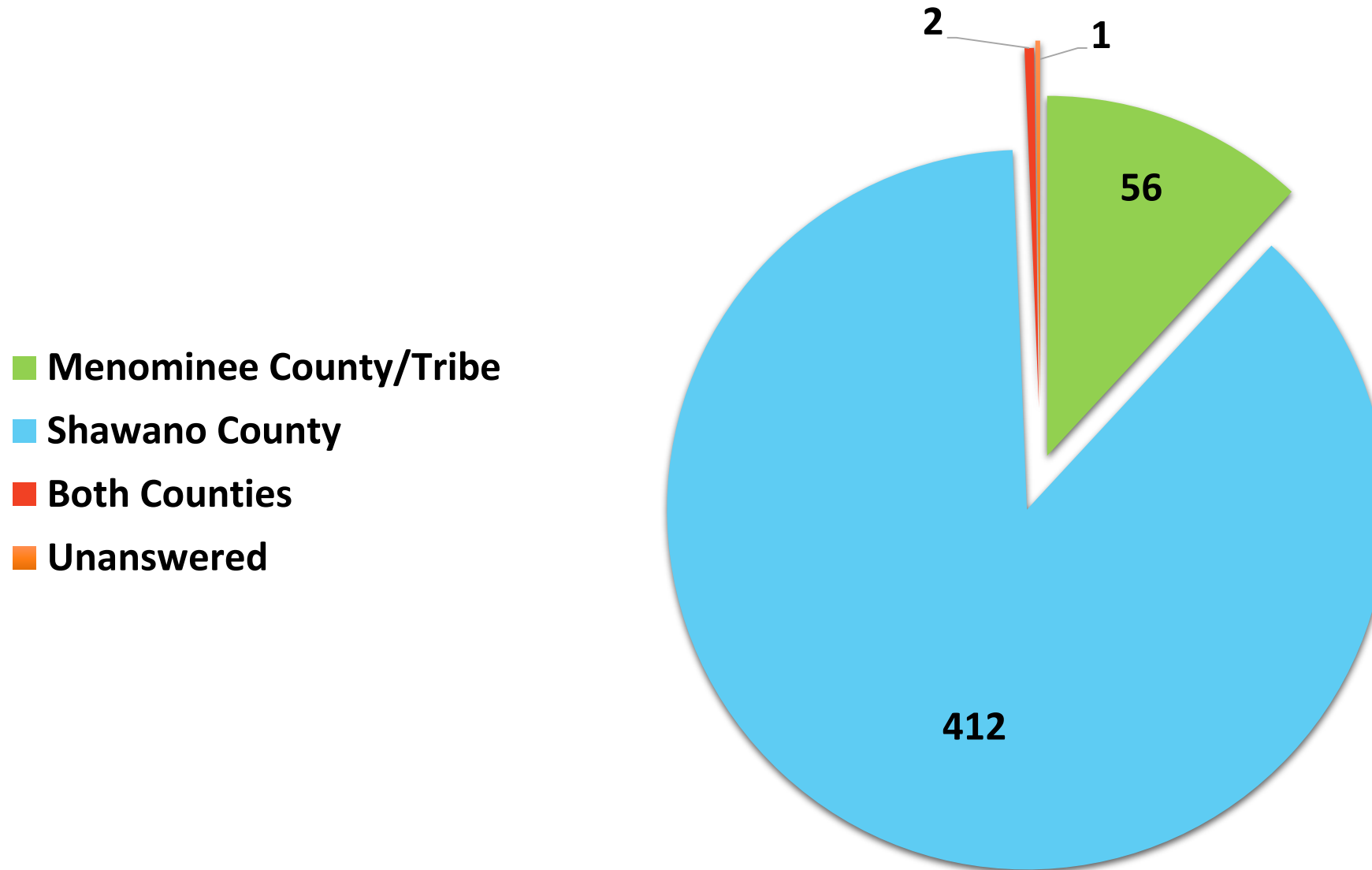
- Our Ask Of You:
  - How involved can you be?
  - Represent an Agency or a General Community Member?
- Steering Committee?
- Workgroup?
- What about...?
  - Other work already being done?
  - Other groups that exist?
- TEAM=
  - Together
  - Everyone
  - Achieves
  - More

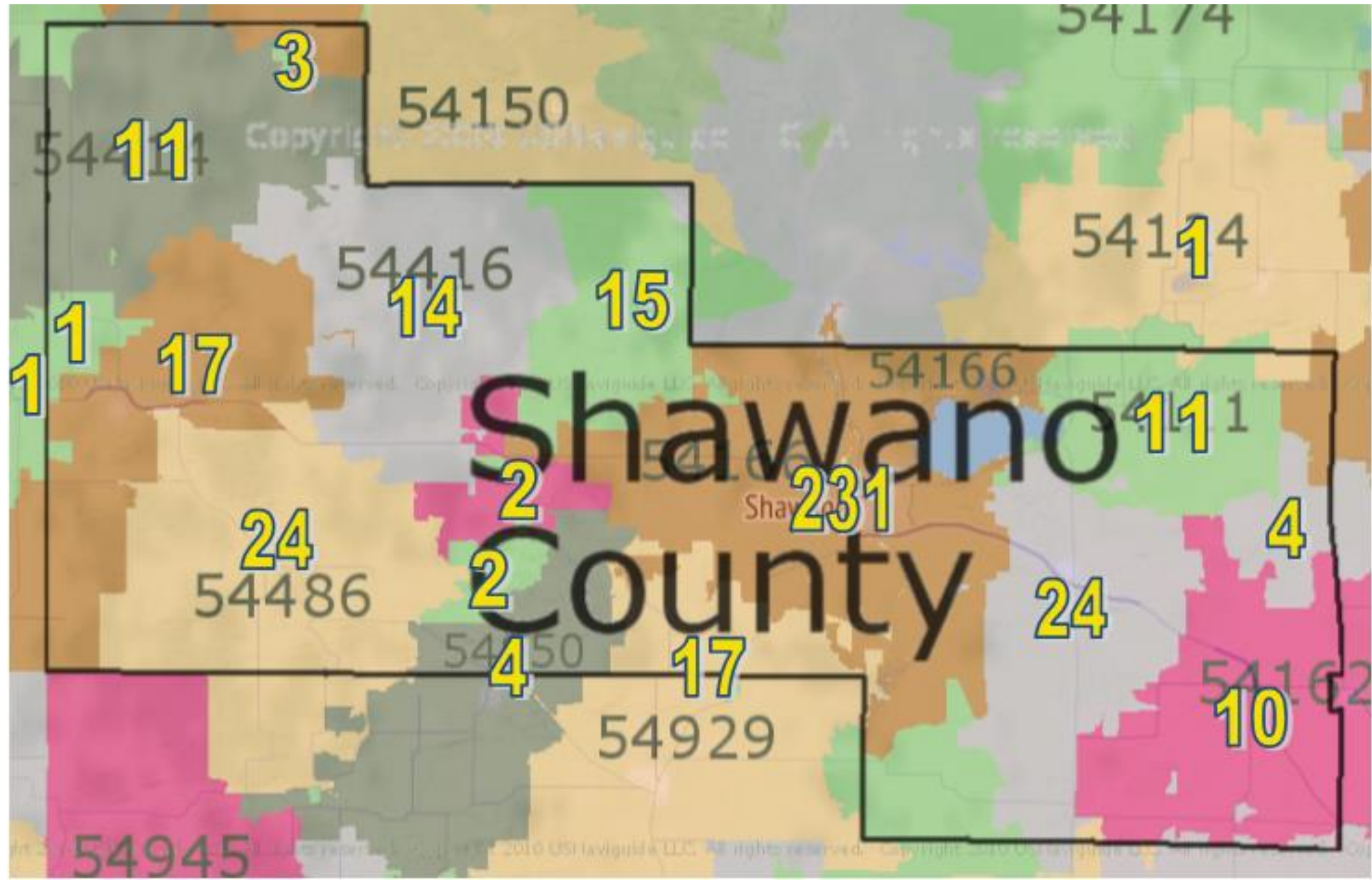
# **2019 Community Health Survey Results**

June – July 2019

**Total Responses: 471**

# Where do you live?





# Menominee County



A map of Menominee County, Wisconsin, and its surrounding areas. The county is highlighted in a light orange color. The map shows the Keshena River flowing through the county. Surrounding areas are colored in shades of green, grey, and orange. ZIP codes are labeled in yellow and black text. The text 'Menominee County' is written in large black letters across the center of the map. The text 'Keshena' is written in small black letters near the bottom right. The text '54135' is written in black letters near the top right. The text '54150' is written in black letters near the top left. The text '54416' is written in black letters near the bottom left. The text '54128' is written in black letters near the bottom center. The text '34' is written in yellow letters with a black outline near the top right. The text '1' is written in yellow letters with a black outline near the bottom center. The text '8' is written in yellow letters with a black outline near the top left. The text '54135' is also written in black letters near the top right. The text '54150' is also written in black letters near the top left. The text '54416' is also written in black letters near the bottom left. The text '54128' is also written in black letters near the bottom center. The text '34' is also written in yellow letters with a black outline near the top right. The text '1' is also written in yellow letters with a black outline near the bottom center. The text '8' is also written in yellow letters with a black outline near the top left. The text 'Keshena' is also written in small black letters near the bottom right. The text 'Menominee County' is also written in large black letters across the center of the map.

8

54150

34

54135

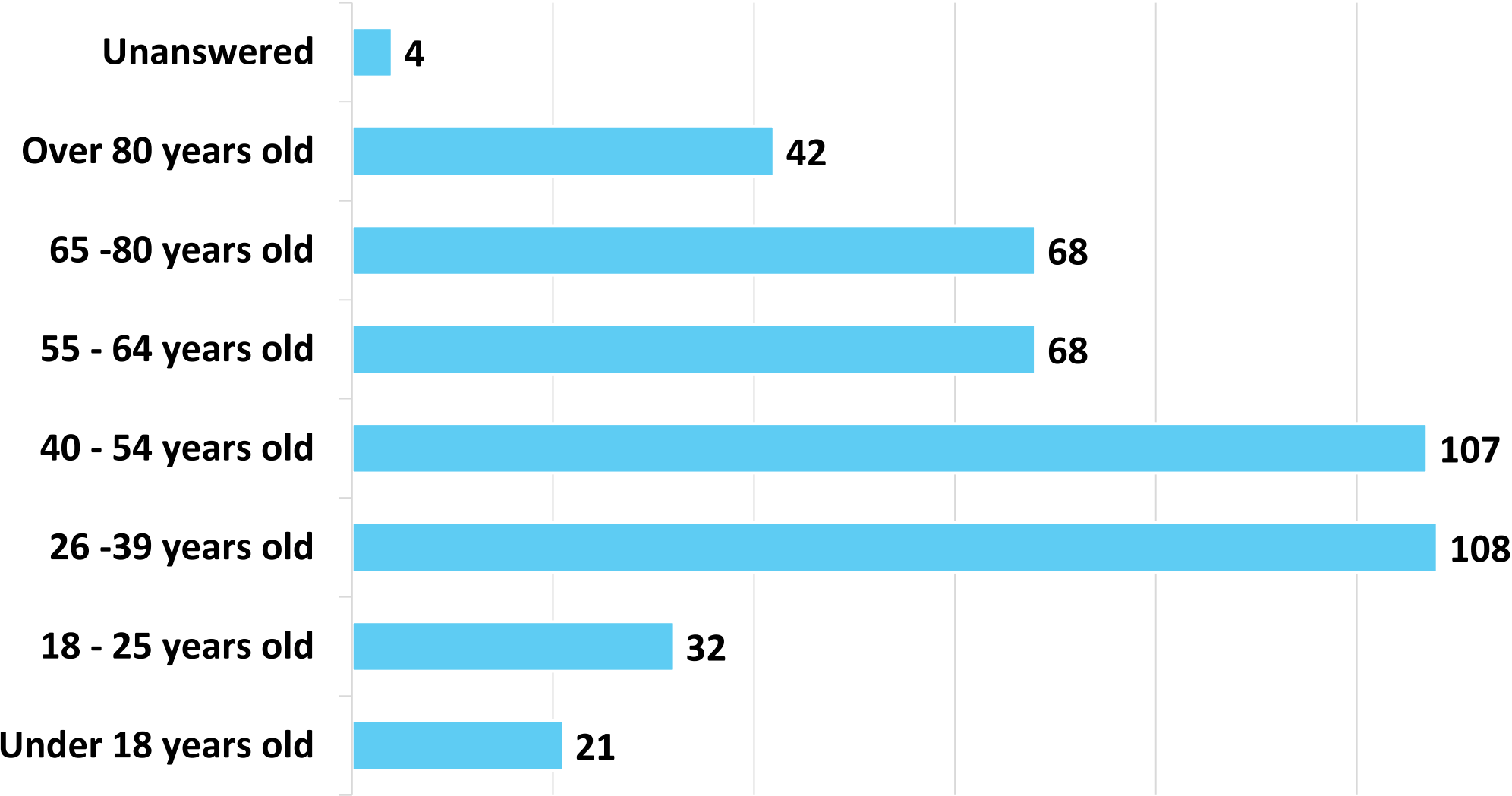
1

54416

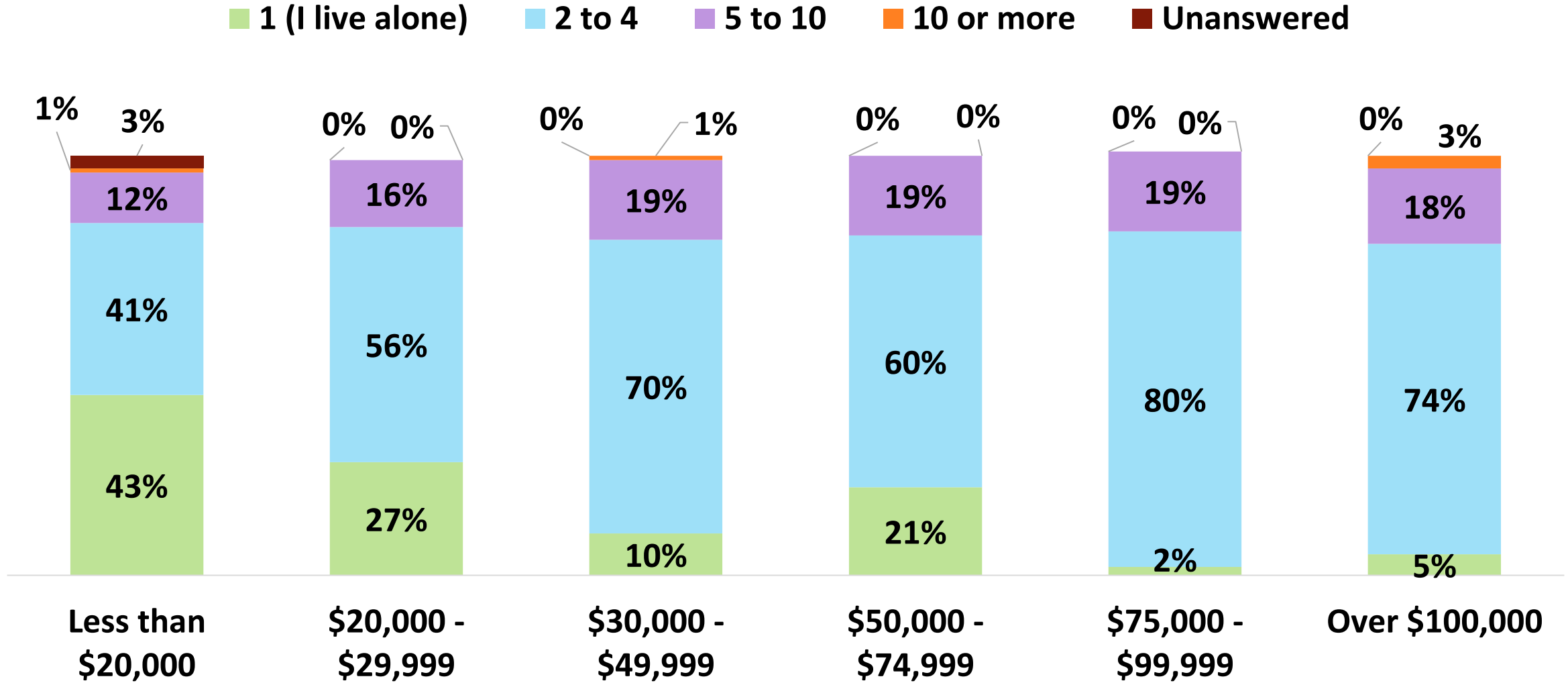
54128

Keshena

# What is your age group?

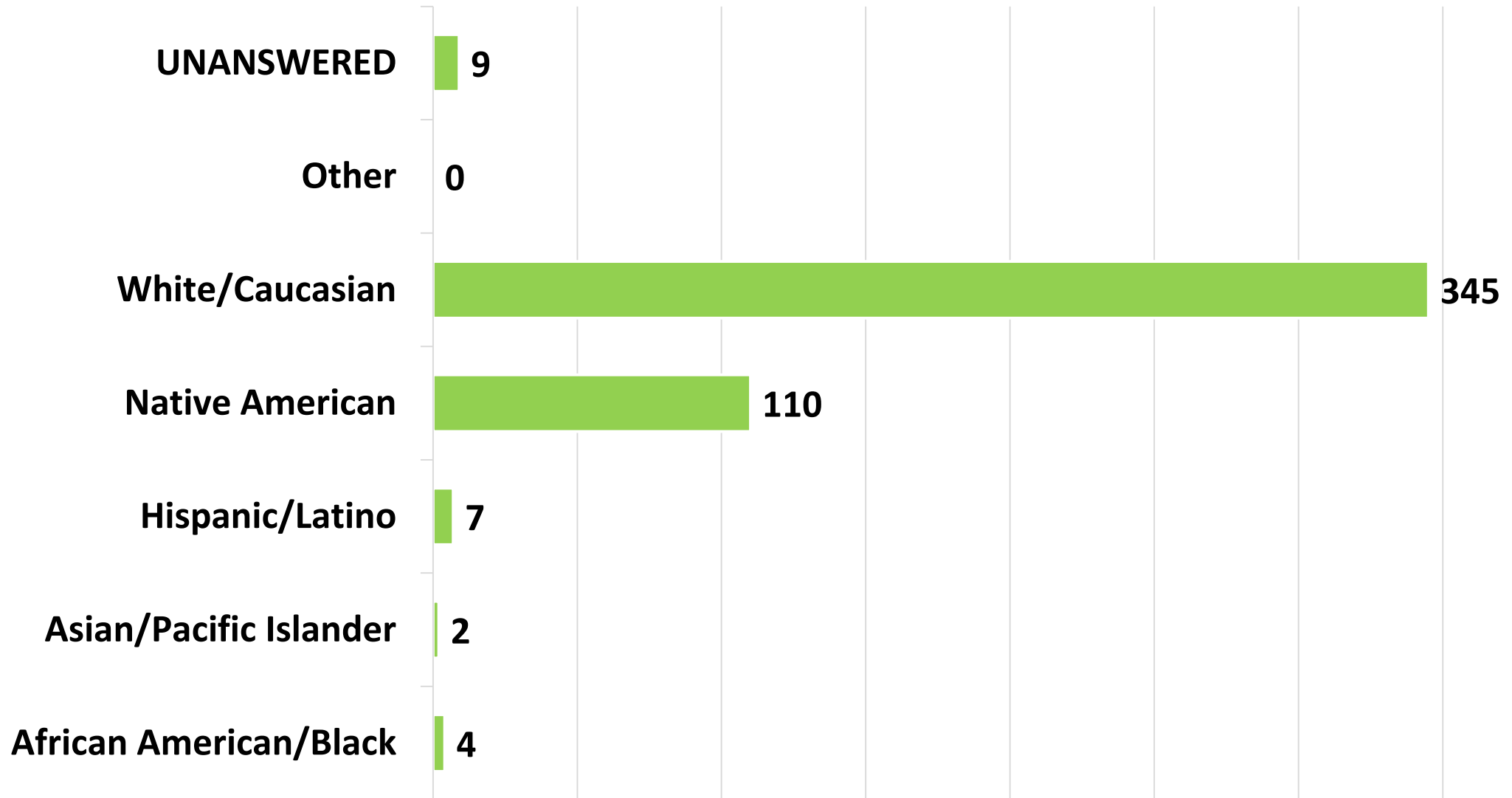


# How many people live in your household AND annual household income?

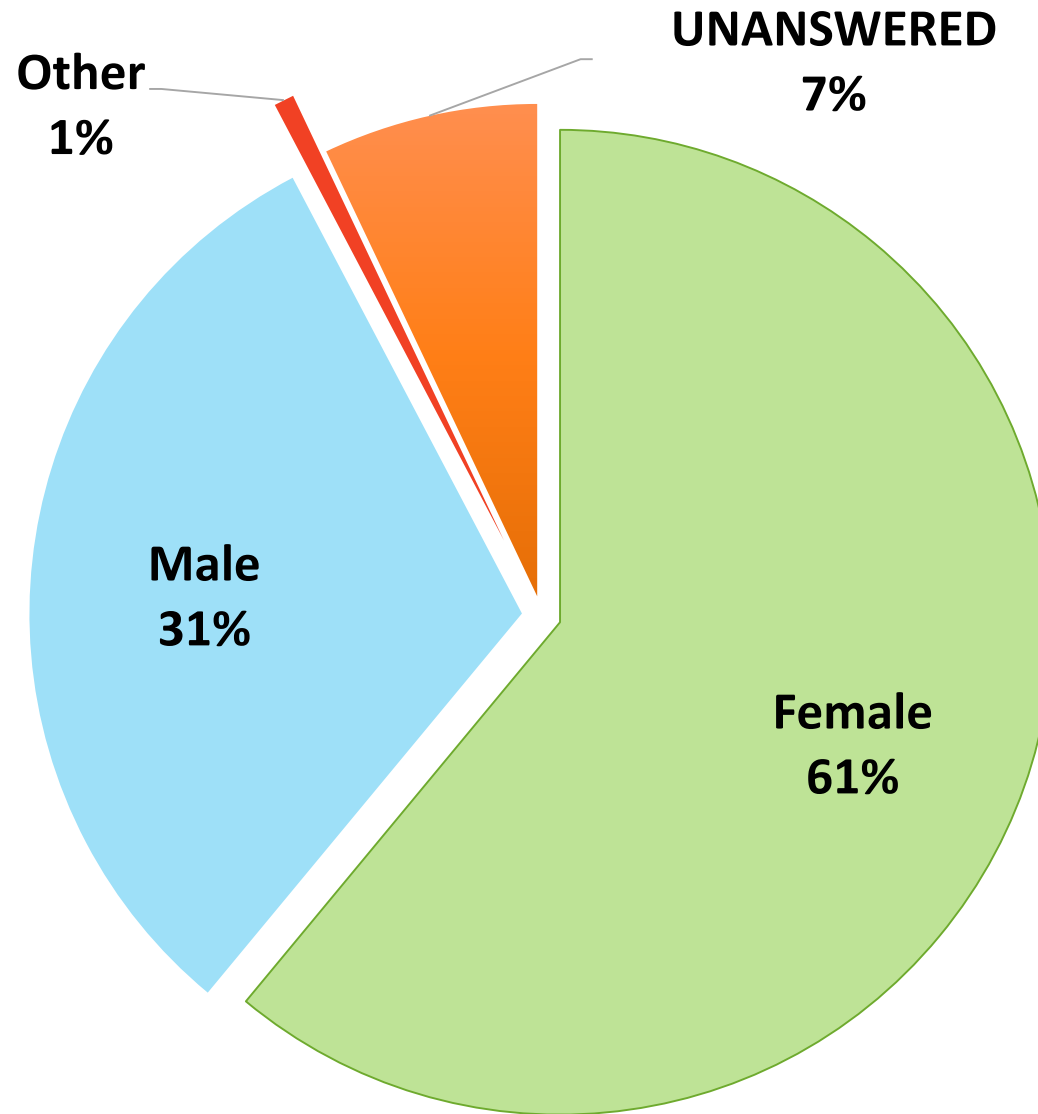




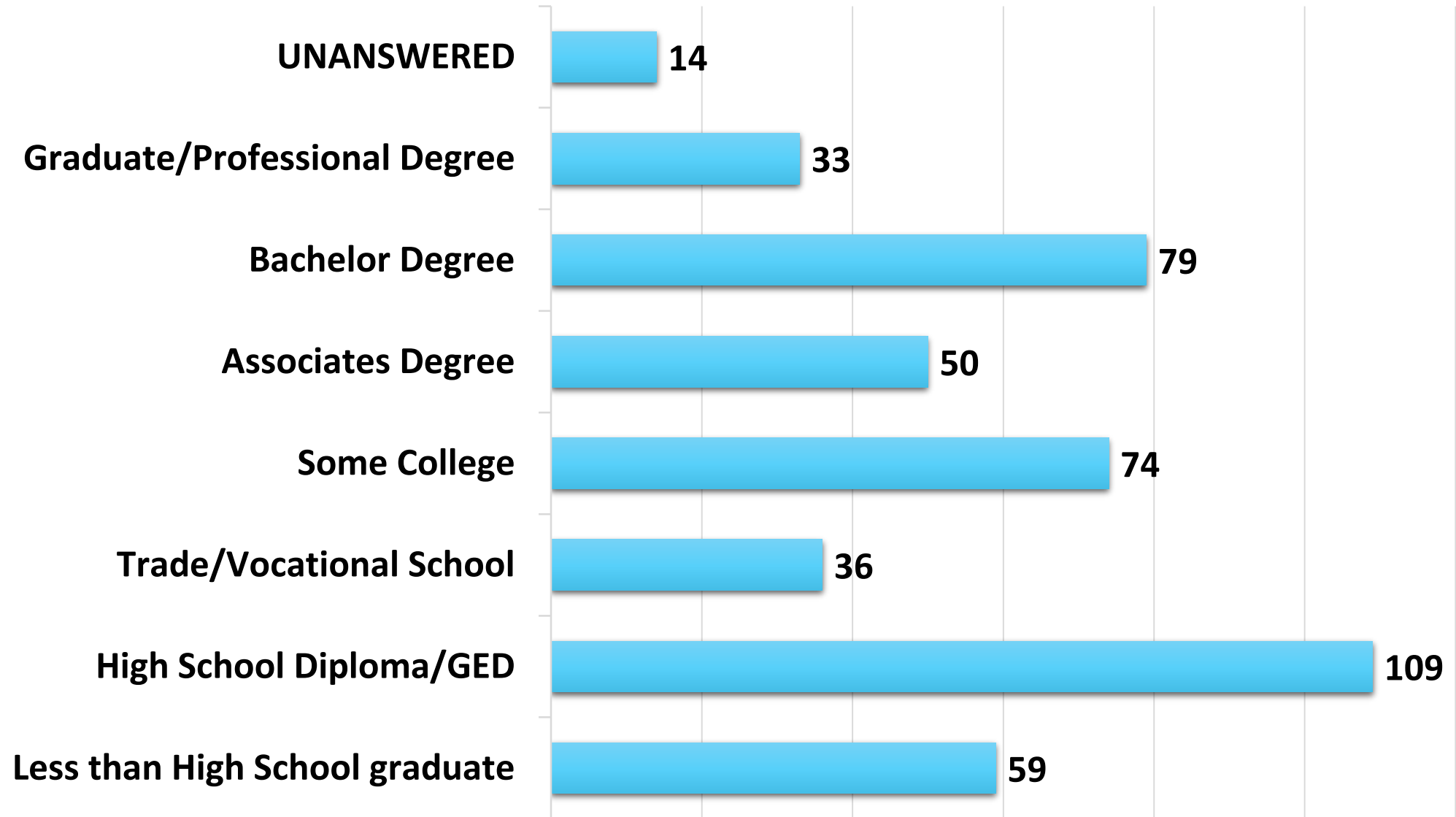
# Which of the following race(s) and/or ethnicities best describe you?



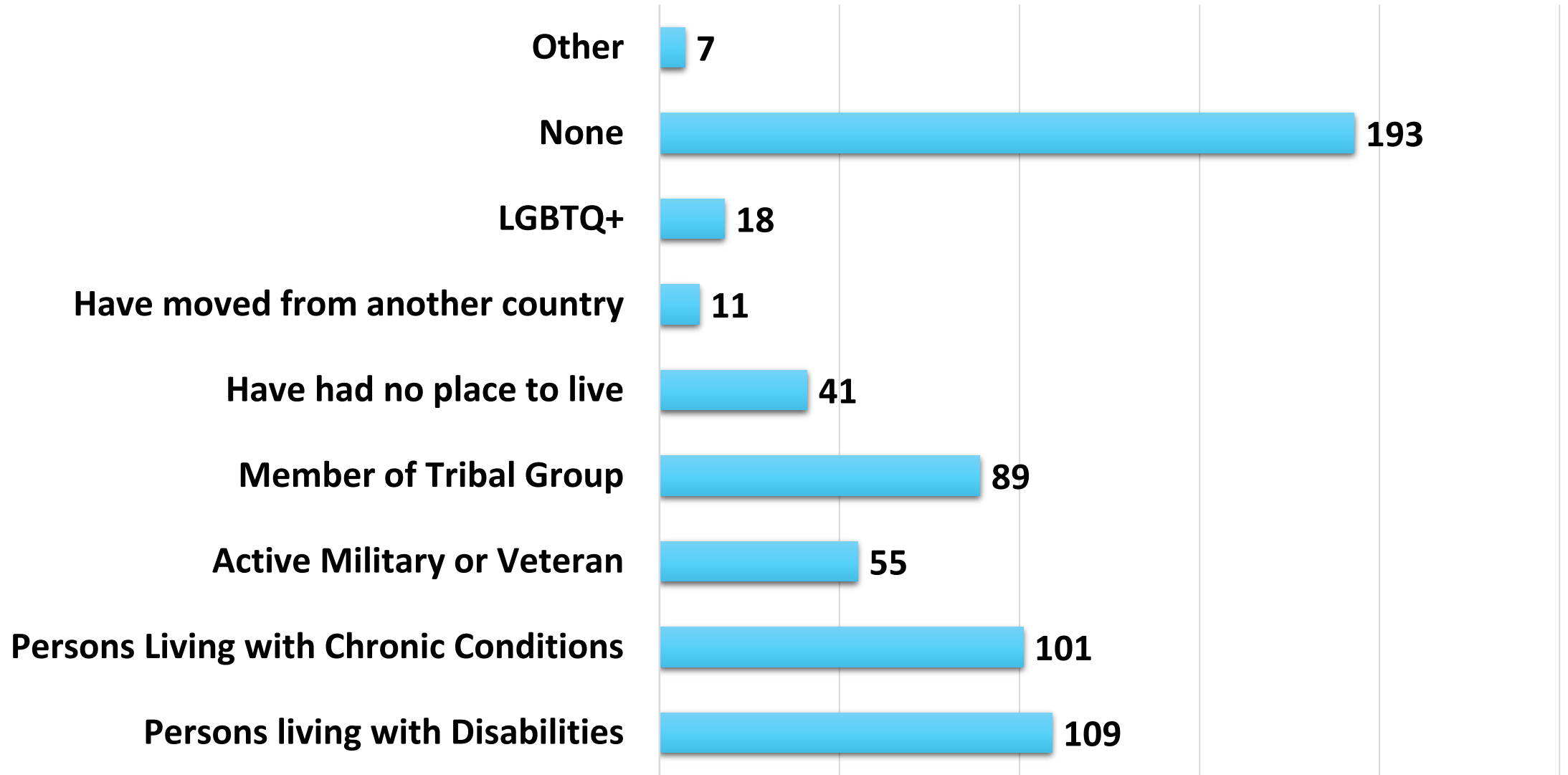
# Gender



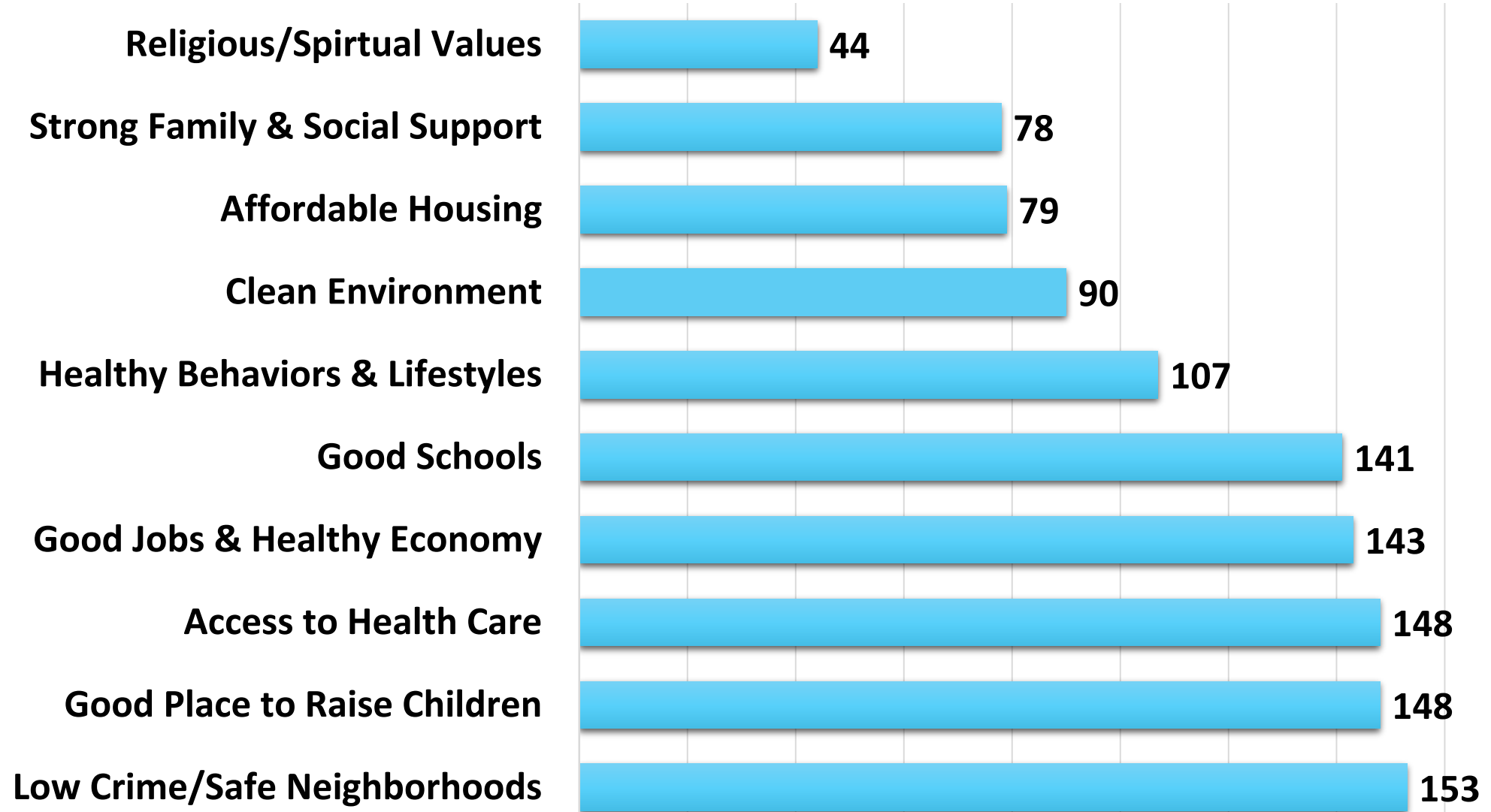
# What is your highest education level?



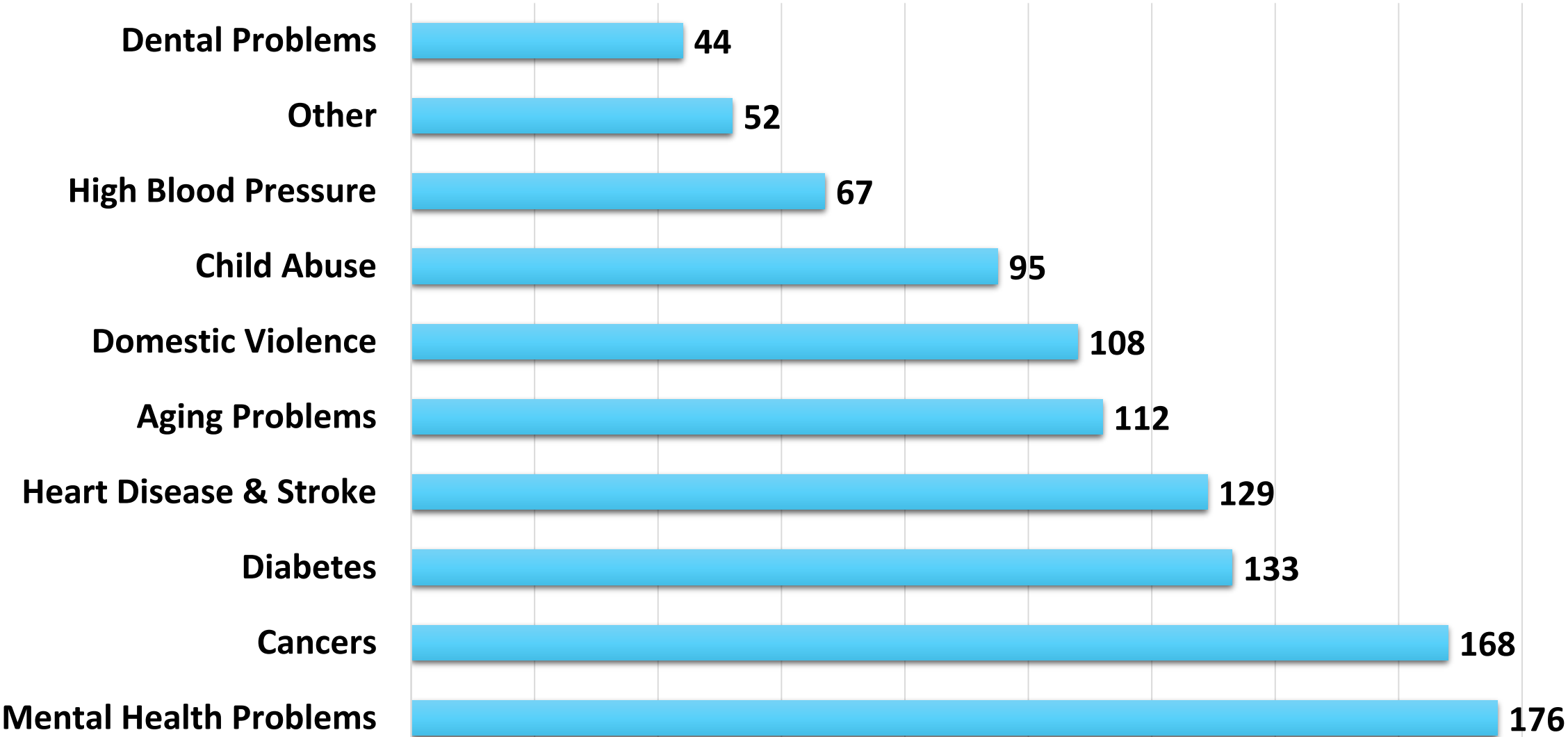
# Do you identify with any of these groups?



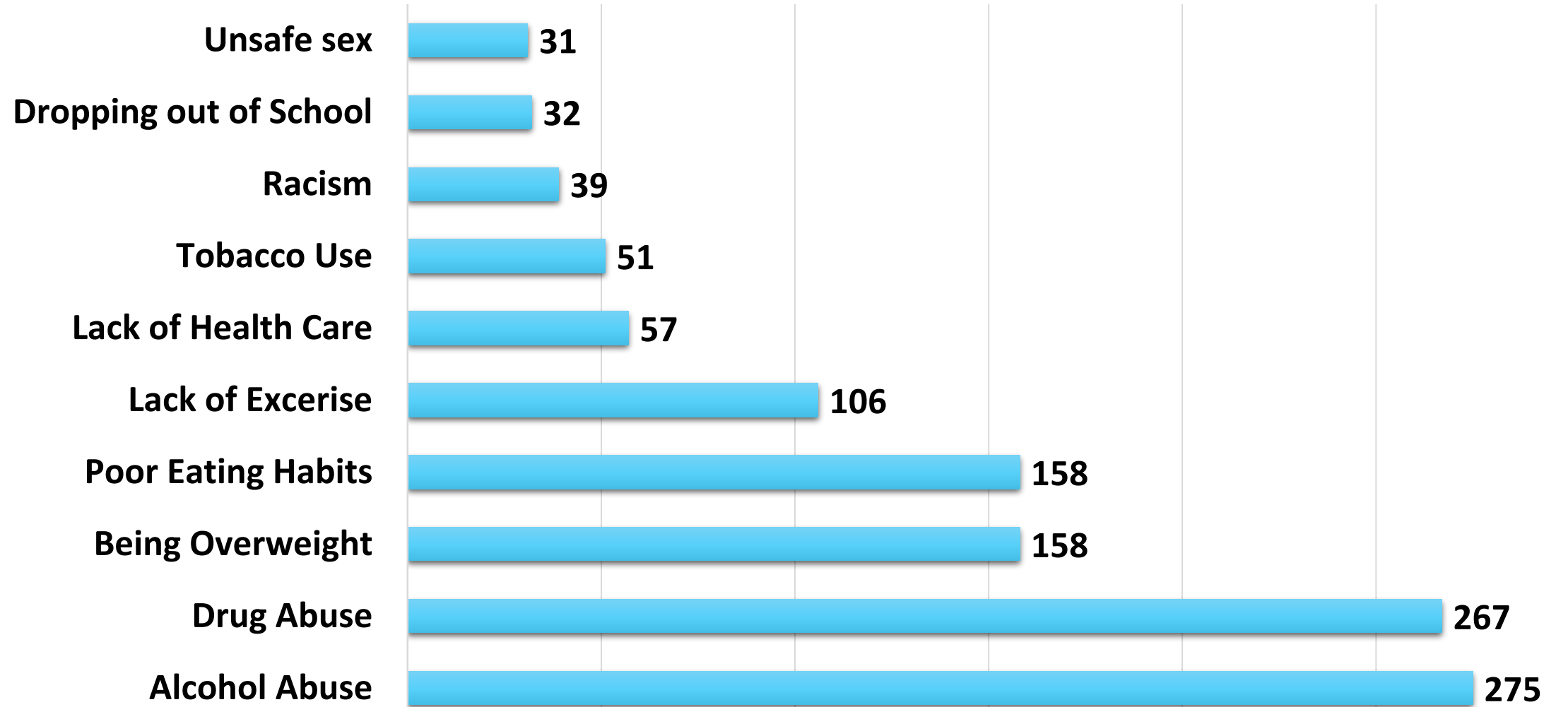
# What are the 3 most important factors for a healthy community?



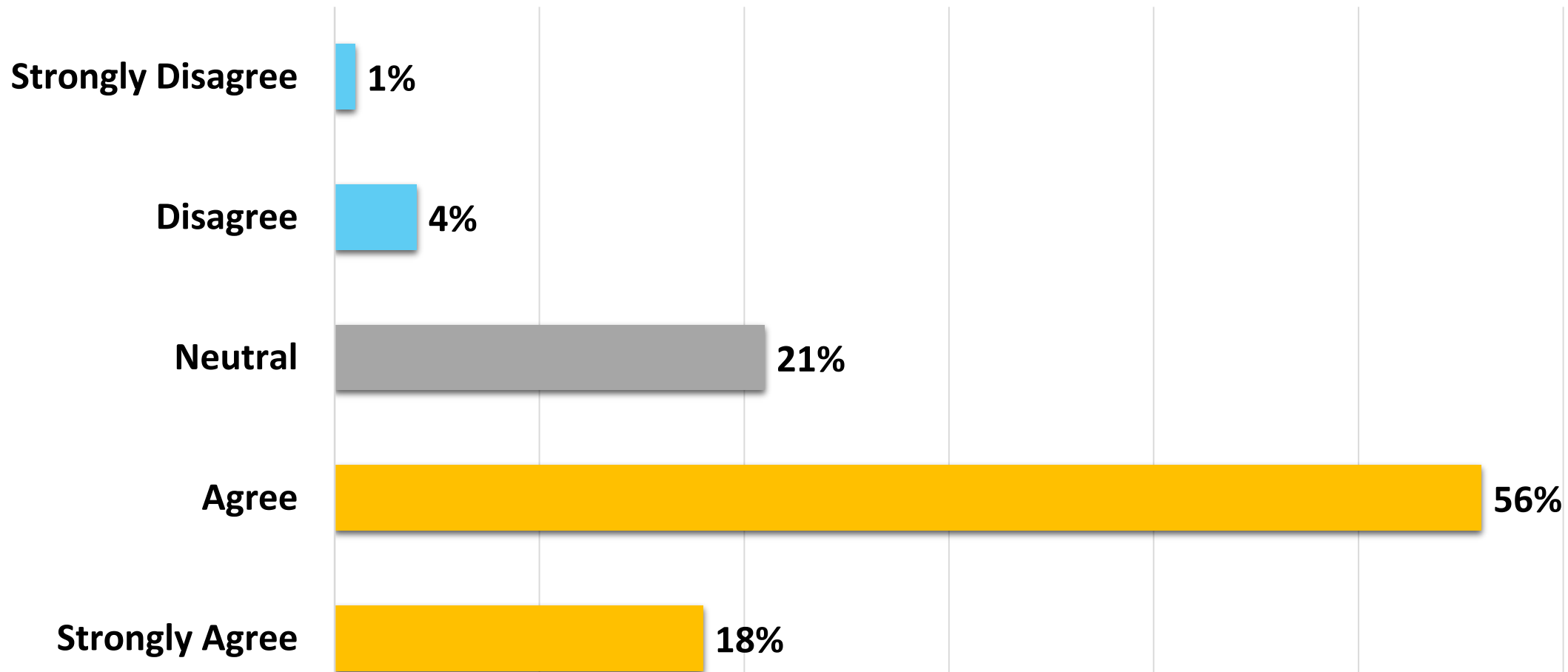
# What are the 3 most important health problems in your community?



# **What are the 3 most important behaviors that have the greatest impact on health in your community?**

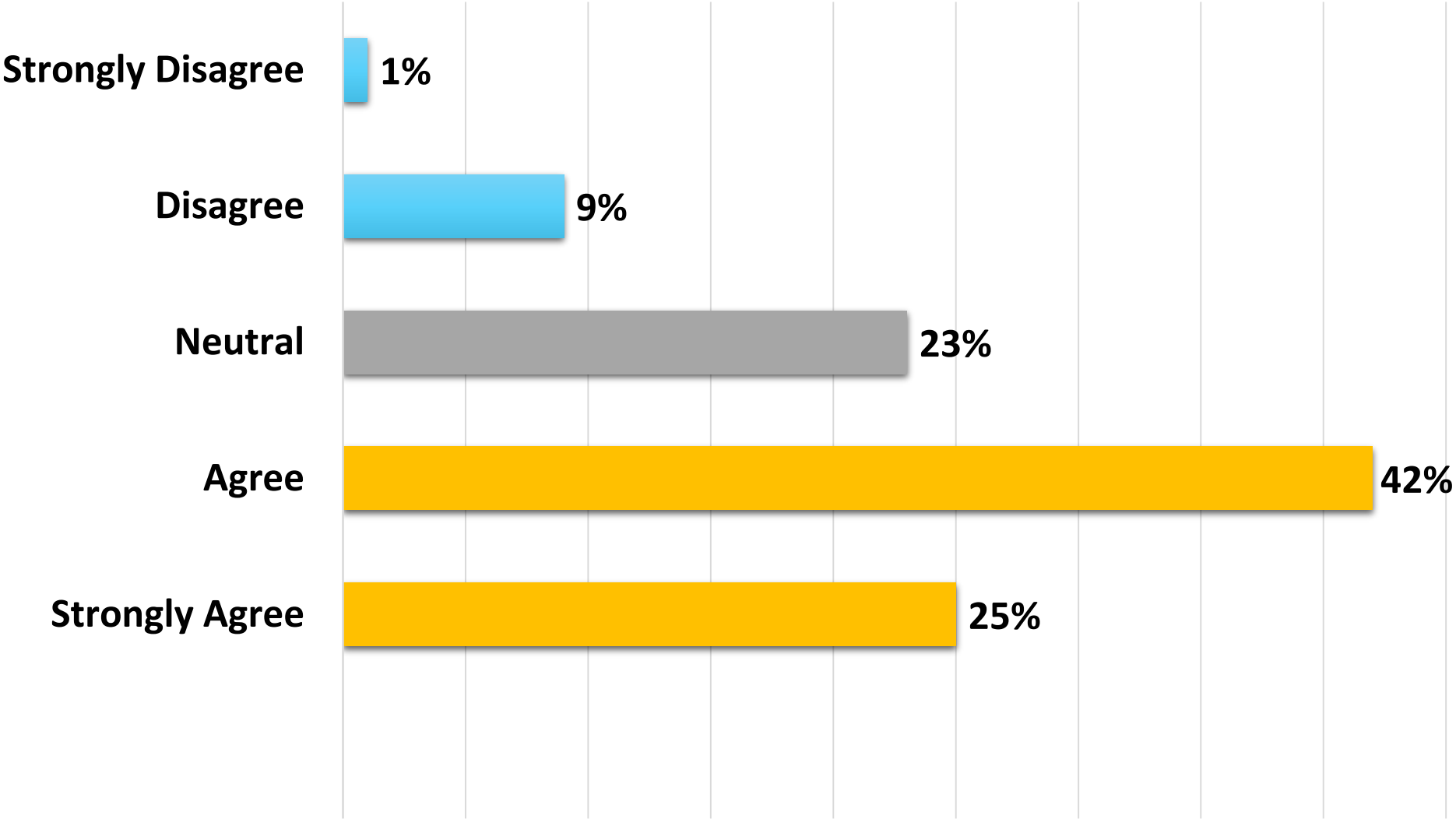


# I am happy with life in our community.

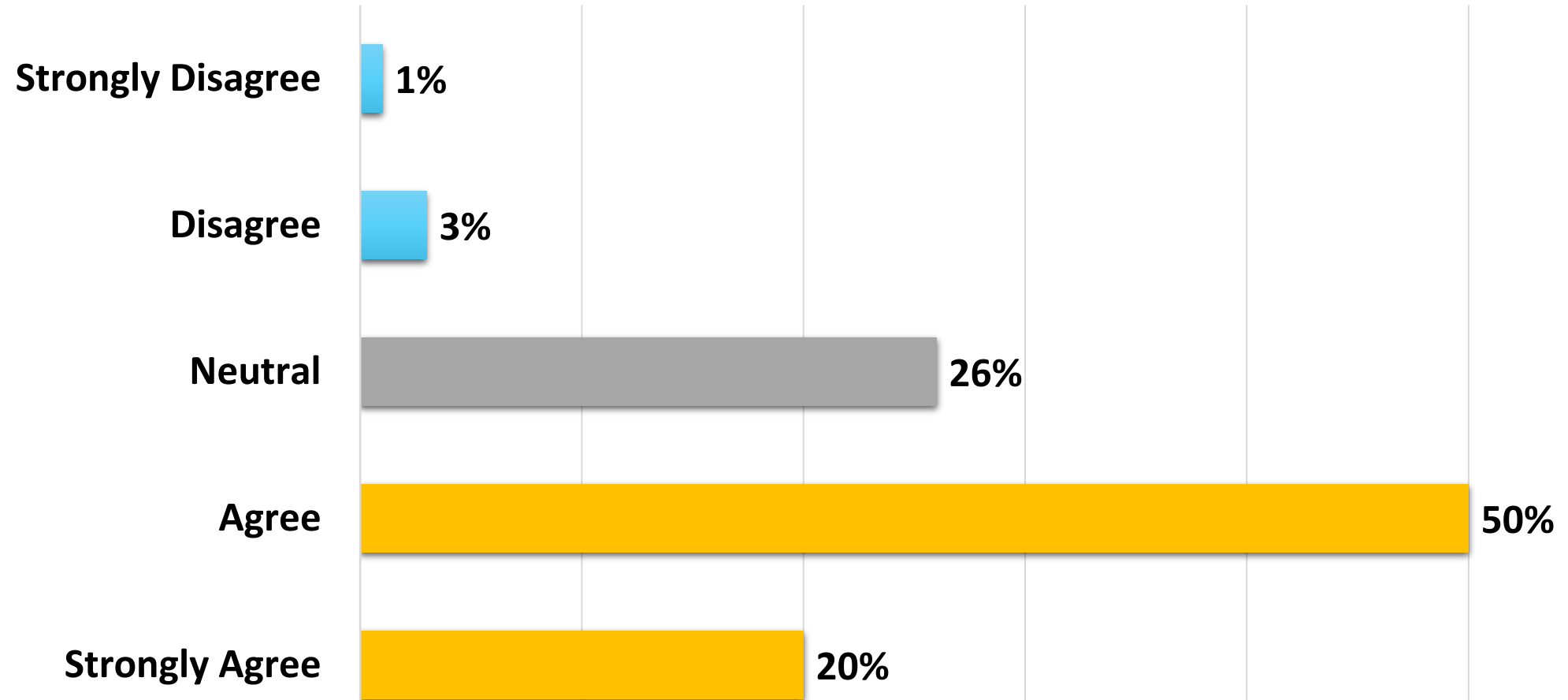




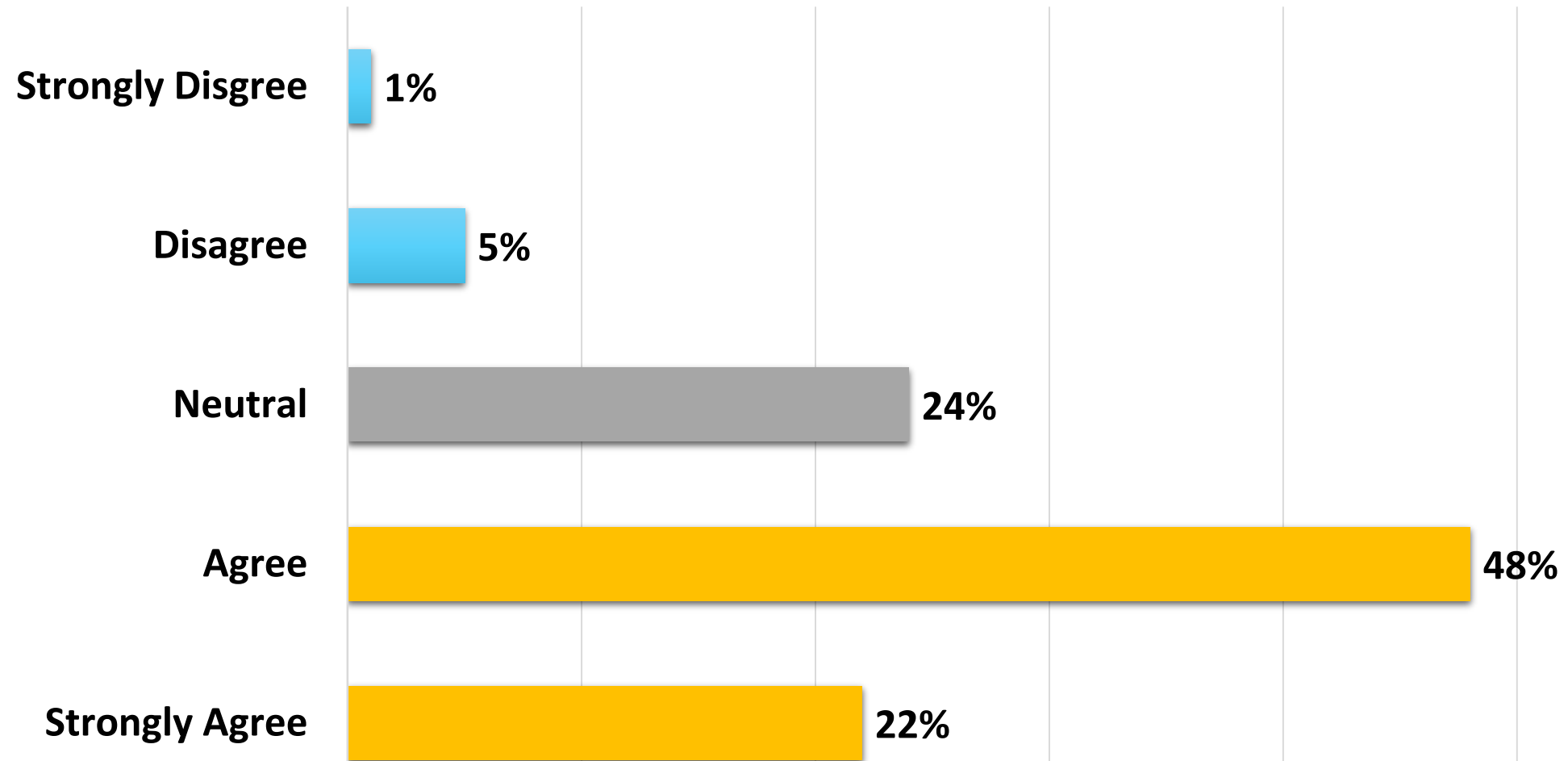
**I am able to get quality health care I can afford in our community.**



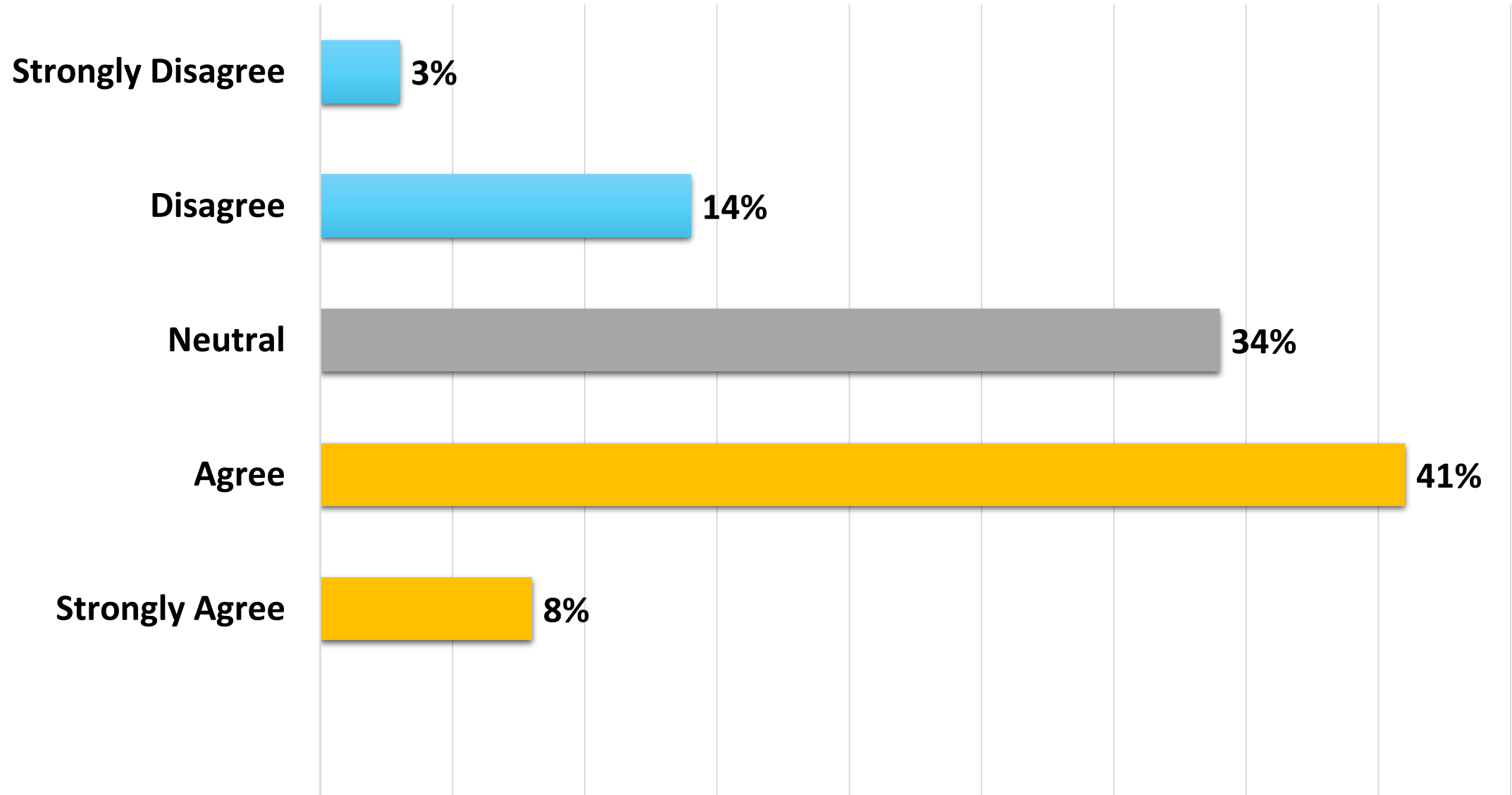
# Our community is a good place to raise children.



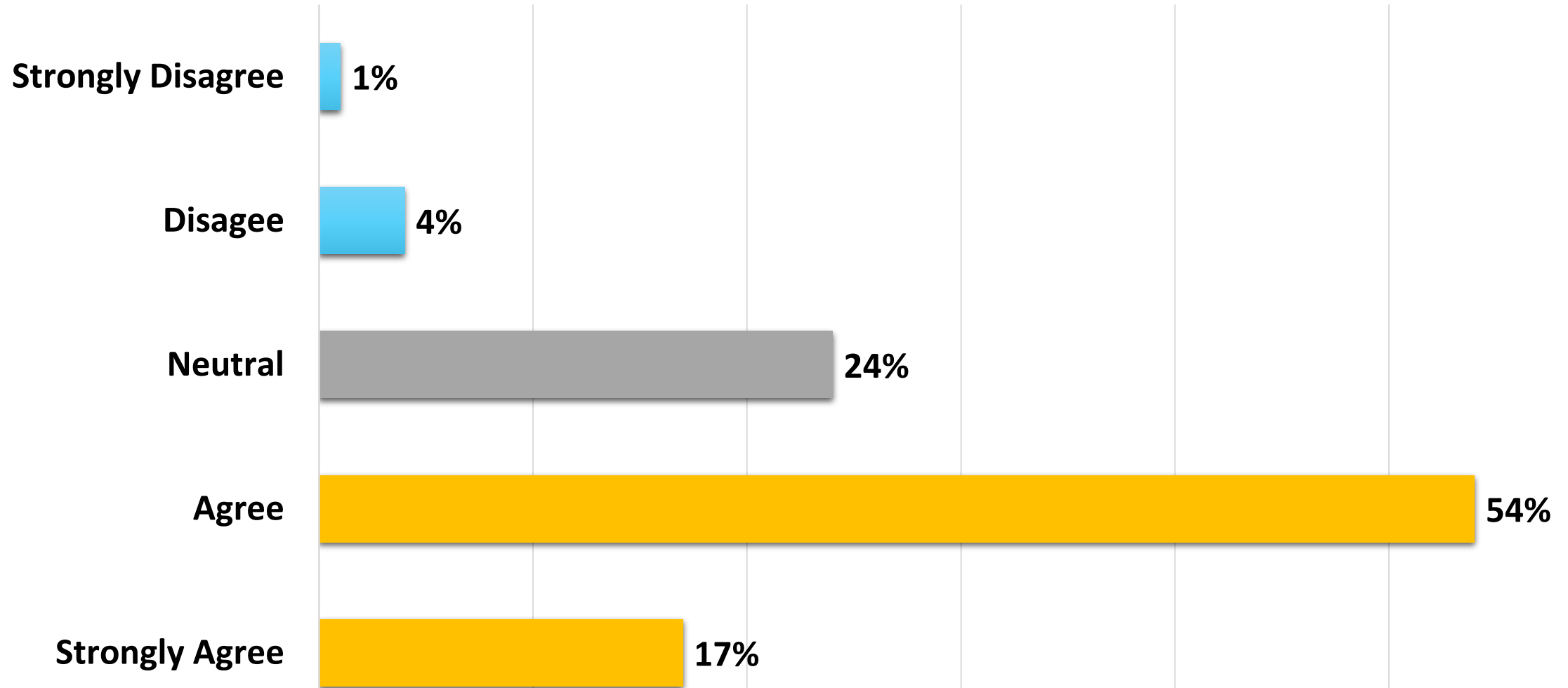
# Our community is a good place to grow old



# **There are companies, good jobs, chances to learn, and low cost (but good value) housing in our community**



# **This community is a safe place to live.**



# There are people and places of support in the community

