



OUTAGAMIE COUNTY

**COMMUNITY
HEALTH
ASSESSMENT**

2021



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Outagamie County



Acknowledgements

A special thank you to the Outagamie County Community Health Assessment Advisory Team for their time, insight, and participation.

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Community Health Assessment Background, Framework & Model

BACKGROUND

Local health departments must complete a community health assessment (CHA) every five years. The CHA is a collaborative process conducted in partnership with local organizations and community members. It is an opportunity to learn more about our community, such as: the health of the population, factors that impact health, and community resources available to improve health.

The 2014 community health assessment, Living Well In Outagamie County, is outdated. In the fall of 2019, Outagamie County Public Health (OCPH) began planning for a new CHA process, holding our first CHA Advisory Team meeting on January 16, 2020. The Advisory Team discussed topics including: health equity across population groups, factors that impact our health at the community level, and ideas to communicate the health of the community.

COVID-19 put a hold on the assessment process. In 2021, we are picking up where we left off.

FRAMEWORK & MODEL

The Advisory Team was intentional about focusing on community conditions that impact health, especially among more vulnerable populations. While team members have access to their sector-specific data, they are eager to bring data sets together to increase community awareness and knowledge. As we reviewed CHA frameworks and models, we agreed to pursue a modified approach by combining the more traditional County Health Rankings model with a newer social determinant model.

The County Health Rankings are a set of indicators based on a model of population health that helps communities understand what influences the health of residents in a county.

National Association of City and County Health Officials (NACCHO) developed the guide "Resources for Social Determinants of Health Indicators." The guide is organized into nine domain areas with suggested indicators and how to obtain the data.

By using aspects of both models, the goal is to provide a deeper understanding of all people in Outagamie County in order to make meaningful improvements for everyone's quality of life.

"Social determinants are conditions in the places where people live, learn, work and play that affect a wide range of health and quality of life risks and outcomes."

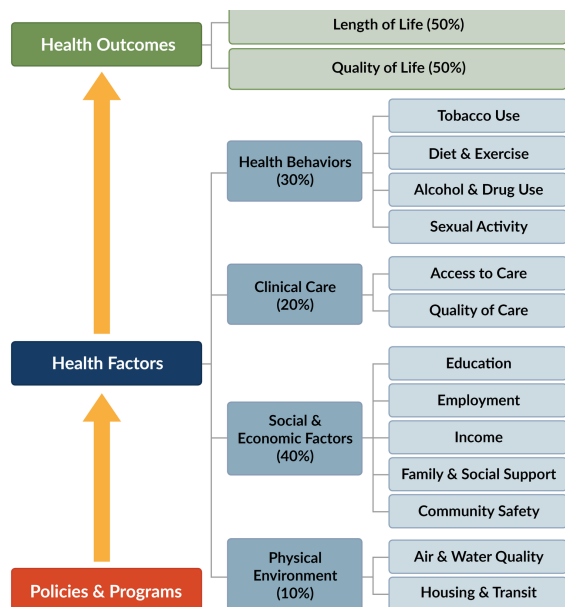
Source: Centers for Disease Control and Prevention



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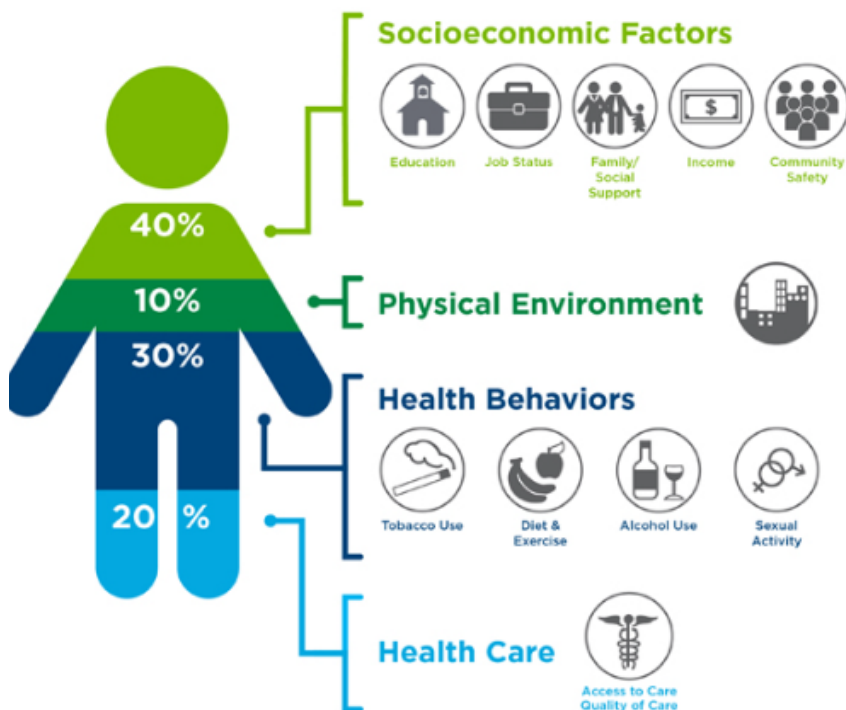
Community Health Assessment

County Health Rankings Model



One of the goals for the new CHA is to make the report easier to read by using fewer words and more symbols

What Goes Into Your Health?





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Community Health Assessment Process

COMMUNITY PROCESS

Our community process is based on the County Health Rankings Take Action Cycle, a community engagement process offering guidance and tools about HOW to create a healthy community and improve health outcomes.

Step 1 is Assess Needs and Resources. The data in the following pages will help to understand strengths, gaps, needs and resources.

This ongoing process is led by the multidisciplinary OCPH CHA Advisory Team. This team helps to consider new data sources, reviews newly collected data, considers assets and resources, and conducts additional data analysis as needed.

County Health Rankings Take Action Cycle



DATA RESOURCE CONSIDERATION

To completely and collectively assess the health of our community, we look to both primary and secondary data sources for information. Below is a selection of our core secondary data sources. For a full list of data resources, please see the references section at the end of the CHA.

Core Secondary Data Sources:

- Community Commons CARES Health Indicators Report
- WALHDAB Core Data Set
- County Health Rankings and Roadmaps
- American Community Survey
- US Census
- Wisconsin Department of Health Services



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Data Collection Process

DATA COLLECTION PROCESS

The process to collect and compile data included in the CHA involved community partners working together to produce local data sets. OCPH is a member of the Fox Valley Community Health Improvement Coalition (FVCHIC), a collaboration among regional healthcare organizations and local health department jurisdictions to collect community-level data.

QUANTITATIVE PRIMARY DATA

- Outagamie County Community Health Survey - 2018 [Quantitative]
 - Telephone survey modeled on Centers for Disease Control and Prevention's Behavior Risk Factor Surveillance System
- Youth Risk Behavior Survey - 2018 (YRBS) [Quantitative]
 - FVCHIC commissioned an in-depth analysis of high school students in Outagamie County who completed the YRBS
- East Central Wisconsin Regional Planning Commission Survey of Walking and Biking Activity and Attitudes in the Fox Valley Region - 2020 [Qualitative/Quantitative]
 - Survey distributed online and administered using the Qualtrics survey tool. Participant recruitment was conducted by ECWRPC in conjunction with local partners. Participant data included in the analysis came primarily from five counties: Calumet, Outagamie, Waupaca, Waushara and Winnebago.

QUALITATIVE PRIMARY DATA

- Tri-County Community Member and Stakeholder Survey Report - 2018 [Qualitative]
 - Completed voluntarily by under-represented populations in the Community Health Survey. Surveys were located at designated service sites, available as face-to-face interview or paper, and in Spanish. Stakeholders affiliated with the service sites completed the same survey.
- Focus groups conducted at Kimberly Food Pantry Fox Valley Christian Fellowship on December 4, 2018 [Qualitative]
- Fox Valley Health Needs Assessment Key Informant Interviews - 2021 [Qualitative]
 - FVCHIC performed key informant interviews (KIs) with community members representing diverse sectors of the Fox Valley community regarding social determinants of health, health conditions, health behaviors and the access and availability of health care services
- Imagine Fox Cities Survey - 2020 [Qualitative]
 - Survey administered online and advertised heavily by community partners
- ECWRPC Survey of Walking and Biking Activity and Attitudes in the Fox Valley Region - 2020 [Qualitative/Quantitative]
 - See above

Defining Health & Health Equity

From The HOPE Initiative: Advancing Health Opportunity and Equity Across the United States

The opportunities for good health and well-being vary depending on our race or ethnicity, our level of education and income, where we live and other factors.

Health behaviors like exercise and diet matter a lot, but our behaviors depend on the opportunities and resources we can access.

The good news is that we can create better opportunities for all residents--especially those most vulnerable among us--by expanding health equity. As Braveman (2017) states, "Health equity means that everyone has a fair and just opportunity to be as healthy as possible...measuring the gaps in health and in opportunities for optimal health is important not only to document progress but also to motivate action and indicate the kinds of actions to achieve greater equity."

To expand opportunity, we must first understand where opportunity thrives and for whom, and where we have gaps. We must understand gaps are often a result of historical denial of resources.

The data that follow should be interpreted with an understanding that good health is not only determined by personal choice. Many factors shape differences in health outcomes, include past and current discrimination based on race, ethnicity, national origin, gender, sexual orientation and other identities. (NYC Health Community Health Profiles, 2018)

"The goal of the CHA is to understand the drivers of health in our community"



Health Officer's Message

I am proud to present you with the 2021 Outagamie County Community Health Assessment. The document provides insight into the factors that impact our community's health, the access and availability of healthcare in our county, and the health conditions and outcomes affecting our residents.

Whether in smaller villages like Nichols or more populated areas like Grand Chute, the health of Outagamie residents is inextricably linked. The Community Health Assessment is a cyclical process that keeps us aware of the state of residents' health and the trends that threaten healthy living. Identifying the conditions, behaviors, and environments that influence our health is of the utmost importance so that we may develop effective strategies for improving our collective health outcomes.

Additionally, we must acknowledge that the COVID-19 pandemic has had a pronounced impact on our community's health. The past two years have been difficult, and have revealed all too plainly the immense value of Public Health, healthcare systems, and community partners in promoting and protecting the health of our community. We have also been forced to confront the disparities in residents' health opportunities and outcomes, highlighting the important work being done nationwide in the pursuit of health equity. Perhaps most of all, the pandemic has underscored the agency each and every one of us possesses to make healthy decisions for ourselves and those around us. To every community member who has been part of the effort to protect your health and the health of your neighbor, I commend and thank you for your service. It is because of you that we at Public Health look forward to improving the health of our community every single day.

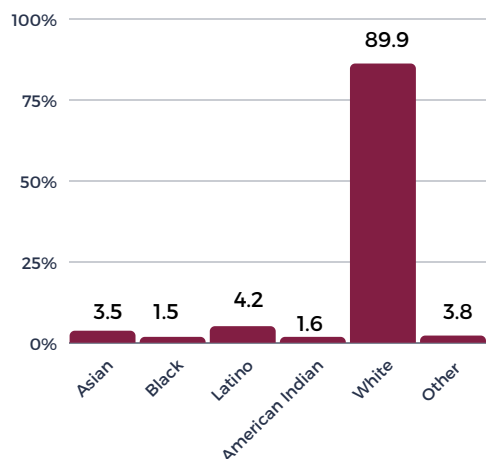
Natalie Vandeveld
Health Officer

Who We Are

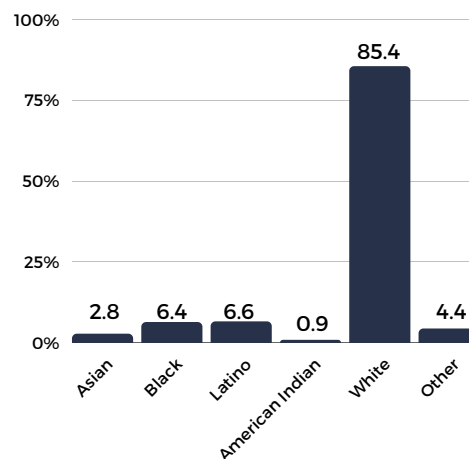
DEMOGRAPHICS



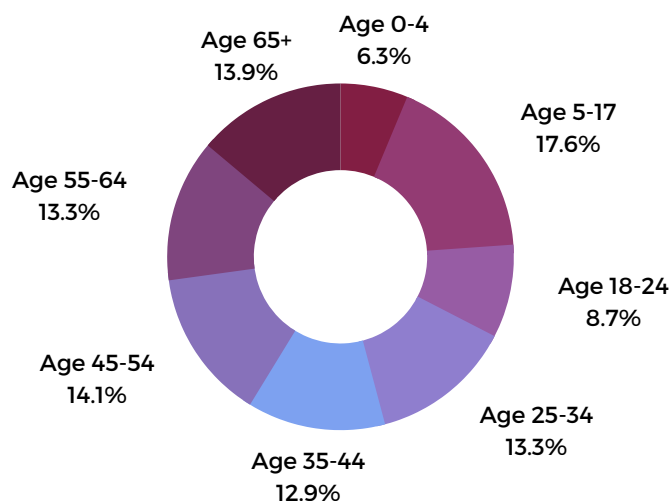
OUTAGAMIE COUNTY



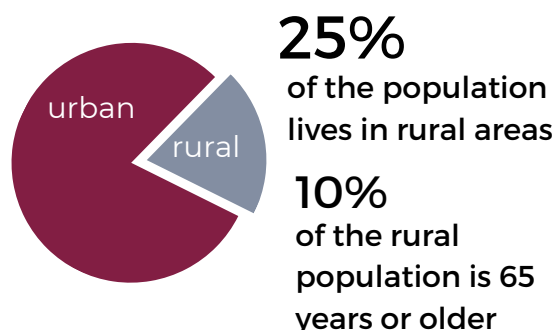
WISCONSIN



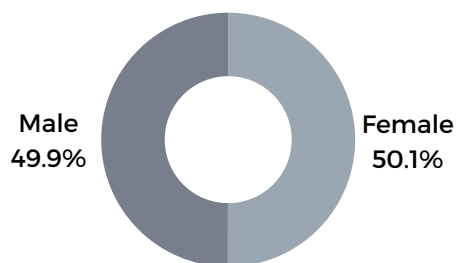
POPULATION BY AGE



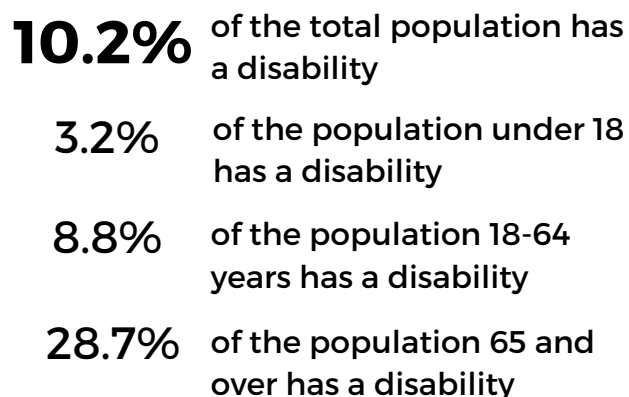
RURAL & URBAN



POPULATION BY GENDER



DISABILITY



Source American Community Survey 2015-2019

185,700

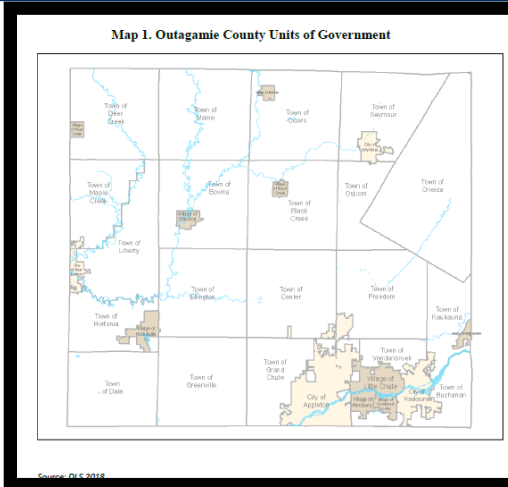
Outagamie County Total Population
Source American Community Survey 2015-2019

5.7M

Wisconsin Total Population

Who We Are

DEMOGRAPHICS



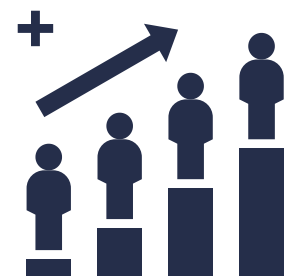
Outagamie County includes:

- 4 Cities
 - Appleton*
 - Kaukauna
 - New London
 - Seymour
- 11 Villages
 - Bear Creek
 - Black Creek
 - Combined Locks
 - Harrison
 - Hortonville
 - Howard
 - Kimberly
 - Little Chute
 - Nichols
 - Shiocton
 - Wrightstown
- 20 Towns
 - Black Creek
 - Bovina
 - Buchanan
 - Center
 - Cicero
 - Dale
 - Deer Creek
 - Ellington
 - Freedom
 - Grand Chute
 - Greenville
 - Hortonville
 - Kaukauna
 - Liberty
 - Maine
 - Maple Creek
 - Oneida
 - Osborn
 - Seymour
 - Vandenbroek

*Outagamie County Public Health jurisdiction does not include City of Appleton or Oneida Nation. However, most of the data presented include City of Appleton residents.

Population Change

	2010 Census	2017 Estimate	2018 Estimate	# Change 2010-2018	% Change 2010-2018
United States	308,400,408	325,719,178	327,167,434	18,767,026	5.74%
Wisconsin	5,686,986	5,783,278	5,816,231	129,245	2.22%
Outagamie County	176,695	182,921	184,541	7,846	4.25%
Brown County	248,007	259,460	260,016	12,009	4.62%
Winnebago County	166,994	169,053	170,025	3,031	1.78%
Town of Buchanan	6,755	6,945	6,969	214	3.07%
Town of Freedom	5,842	6,007	6,057	215	3.55%
Town of Grand Chute	20,919	22,154	22,701	1,782	7.85%
Town of Greenville	10,309	11,652	11,785	1,476	12.52%
Town of Oneida	4,678	4,703	4,729	51	1.08%
Village of Combined Locks	3,328	3,509	3,525	197	5.59%
Village of Kimberly	6,468	6,672	6,686	218	3.26%
Village of Little Chute	10,449	10,987	11,120	671	6.03%
City of Appleton*	60,045	61,364	63,821	3,776	5.92%



*Population reported for Appleton includes only those portions in Outagamie County
Source: Outagamie County 2018 Growth Report

Overall, the northern portion of the County has continued to experience minimal population growth. This was mostly due the consolidation of family farms, an aging population, smaller family sizes, and the ongoing trend of young adults moving to urban areas. In the southern “Fox Cities” area of the county, growth continues at a steady pace as it has for decades. Source: Outagamie County 2018 Growth Report

215,290

projected total population of Outagamie County
in 2040

22.8%

projected percent of Outagamie County
population who will be 65 and older in 2040



Social & Economic Conditions

EDUCATION

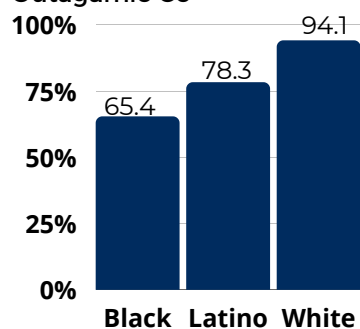
EDUCATION

Education directly impacts a person's health. Higher education levels are associated with better health outcomes and economic opportunity. Education is a key factor in lifting people out of poverty.

Measuring gaps in education is an important step toward documenting progress in order to achieve greater equity.

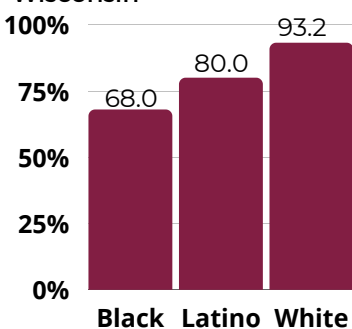
Graduation Rates by race/ethnicity 2017-2018

Outagamie Co

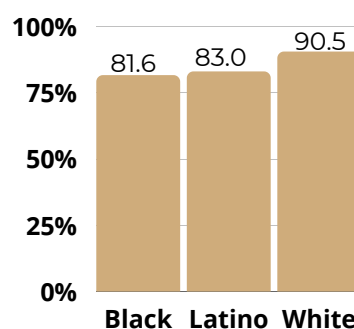


Source: US Department of Education, EDFacts

Wisconsin

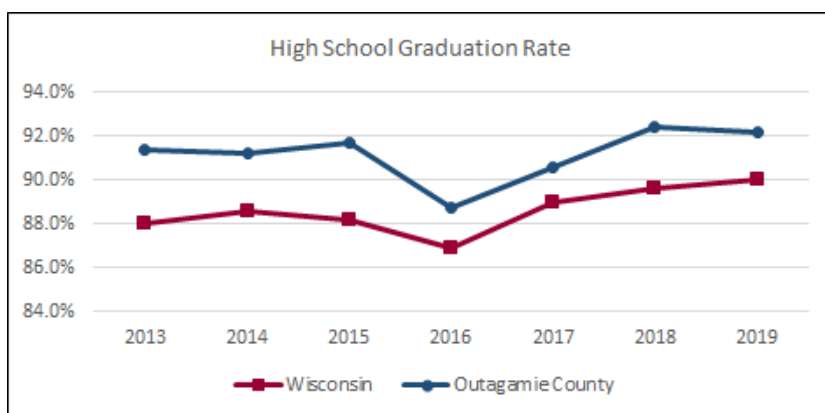


United States



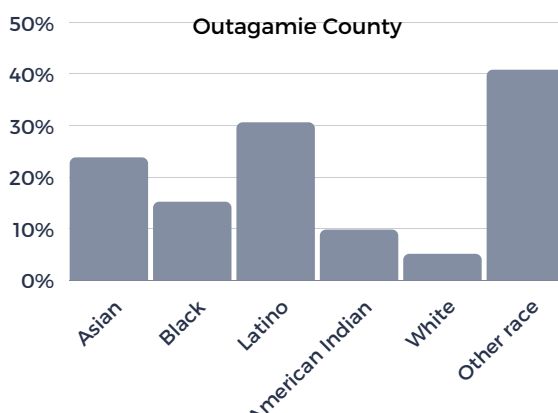
Black and Latino populations have a greater disparity in graduation rates most notably in Outagamie County and Wisconsin compared to the US as a whole

Persons 25 & older without a high school diploma by race/ethnicity



Source: US Department of Education, EDFacts

Graduation rate is a cohort of first-time 9th graders in a particular school year, and adjust this number by adding any students who transfer into the cohort after 9th grade and subtracting any students who transfer out. The data point is a percentage of the students in the cohort who graduate within 4 years.



Source: American Community Survey 2014-2018

29.7%

adults ages 25-44 with a bachelors degree or higher

6.3%

adults age 25 and older without a high school diploma



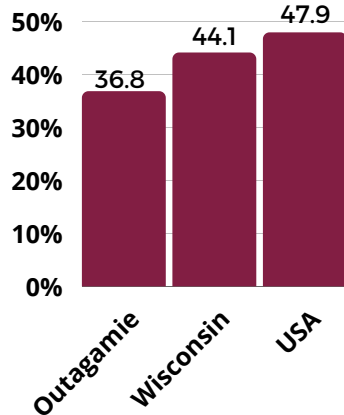
Social & Economic Conditions

EDUCATION

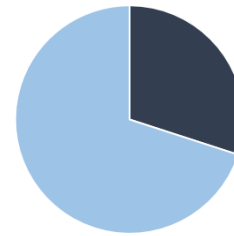
FACTORS IMPACTING GRADUATION

Access to Pre-school

3-4 year olds enrolled in pre-school



Source: American Community Survey 2014-2018



30%
of students in
Outagamie Co are
eligible for free &
reduced lunch

Source: American Community Survey 2014-2018

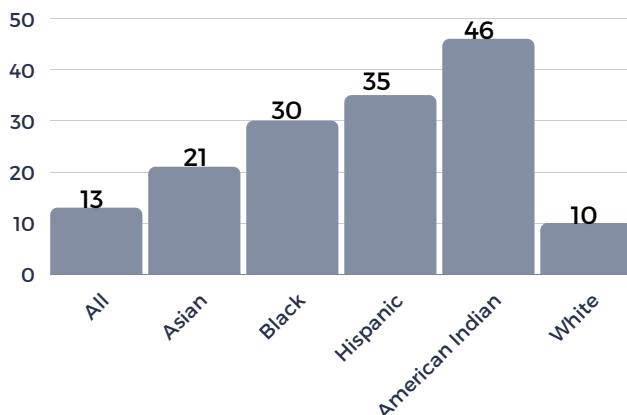


33%
of grandparents in
Outagamie Co are
responsible for
grandchildren

Source: American Community Survey 2015-2019

Teen Birth Rate 2012-2018 Outagamie Co

Number of births per 1,000 female population ages 15-19



Teenage women who bear a child are much less likely to achieve an education level at or beyond high school, much more likely to be overweight/obese in adulthood, and more likely to experience depression and psychological distress.

There are strong ties between teen birth and poor socioeconomic, behavioral, and mental outcomes.

Source: County Health Rankings

91.5% of total households
have a computer

86.4% of total households
have a broadband
internet subscription

Source: American Community Survey 2015-2019

Rural students have less access to the internet to complete assignments than their peers who live in more suburban areas.

5%

births in 2018 to mothers without a high school degree (regardless of maternal age)

Source: Kids Count Data Center

3.5%

population age 16-19 not in school and not employed

Source: American Community Survey 2015-2019

Social & Economic Conditions

EMPLOYMENT, INCOME & POVERTY

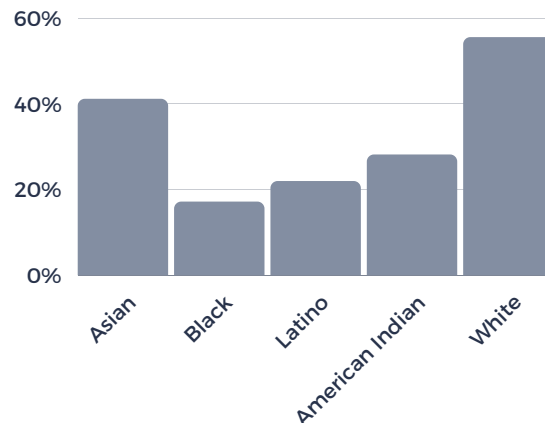


UNDERSTANDING INCOME

ALICE, an acronym for Asset Limited, Income Constrained, Employed is a way to define and understand the struggles of households that earn more than the Federal Poverty Level, but not enough to afford a bare-bones household budget or the ALICE threshold.

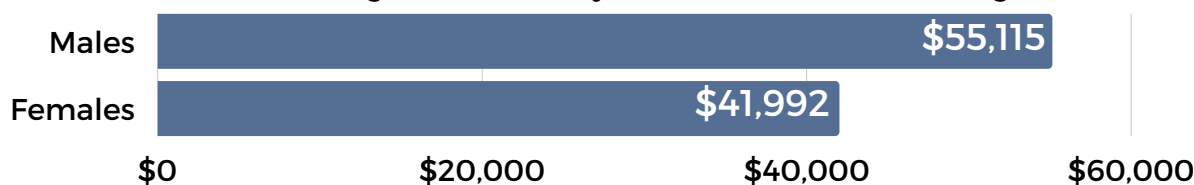
Source: Unitedforalice.org

% by race/ethnicity that have income of \$75,000 or greater



Source: American Community Survey 2014-2018

Median earnings for full-time, year-round workers in Outagamie Co



\$65,572 Median Household Income for Outagamie County

Source: American Community Survey 2015-2019

ALICE Survival Budget Outagamie County, Wisconsin

	Hourly	Monthly	Annually
Single Adult	\$11.29	\$1,882	\$22,584
Two Adults	\$17.62	\$2,937	\$35,244
Two Adults, 2 School-Age	\$29.29	\$4,882	\$58,584
Two Adults, 2 in Child Care	\$36.77	\$6,128	\$73,536
Single Senior	\$12.27	\$2,045	\$24,540
Two Seniors	\$19.24	\$3,206	\$38,472

Survival Budget

Does not include savings for emergencies or future goals like college or retirement. In 2018, household costs were well above the Federal Poverty Level of \$12,140 for a single adult and \$25,100 for a family of four.

Source: Unitedforalice.org

31% of all households in Outagamie Co are family households with one or more child(ren) under the age of 18

Source: American Community Survey 2014-2018

\$7,964

Difference between median household income and survival budget for family of 4 (2 children in childcare)

\$48,436

Difference between Federal Poverty Level (\$25,100) and survival budget for family of 4 (2 children in childcare) (2018)



Social & Economic Conditions

EMPLOYMENT, INCOME & POVERTY

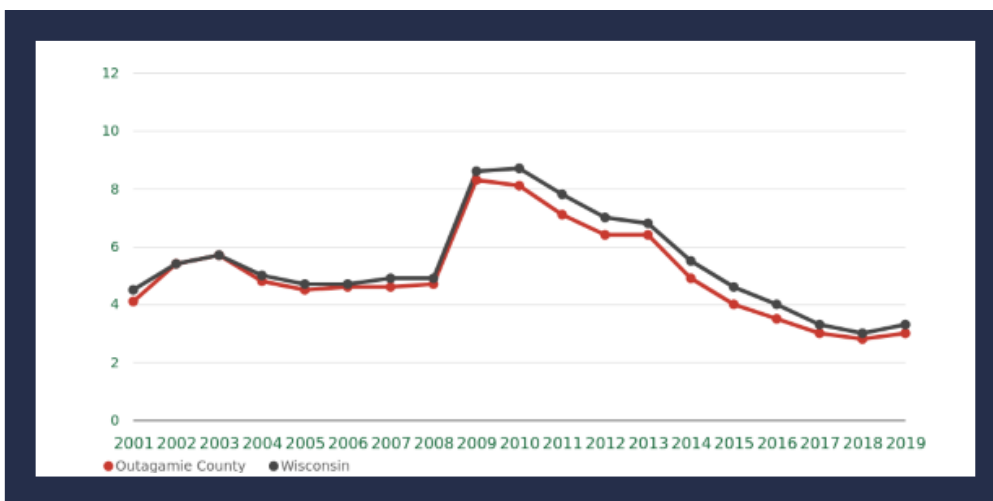
ECONOMIC STRESS

Without a doubt, COVID-19 has impacted the economic stability of families. According to the US Bureau of Labor Statistics, the US is in a recession. Unemployment reached 13.3% in June 2020. Before COVID-19 Outagamie County's employment rate was 3%.

Unemployment Rate Outagamie County Oct 2019-2020



Unemployment Rate Outagamie County Oct 2001-2019



FACTORS IMPACTING POVERTY

Unemployment
Low wages
Access to higher education
Teen pregnancy

Poverty is considered a key driver of health. The ongoing stress and challenges associated with poverty can lead to cumulative health damage, both physical and mental. Chronic illness is more likely to affect those with the lowest incomes, and children in low income families are sicker than their high income counterparts.

8.6%

Poverty rate in 2014-2018
for Outagamie County

12.0%

Children under 18 in poverty

Source: American Community Survey 2014-2018

Social & Economic Conditions

EMPLOYMENT, INCOME & POVERTY



WHO IS ALICE?

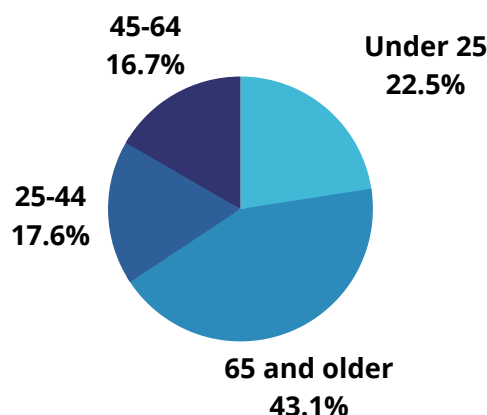
A significant portion of full- and part-time workers are paid by the hour; these workers are more likely to have fluctuations in income and less likely to receive benefits. Many "Essential Workers" are ALICE; providing necessary services, yet struggling financially as wages fail to keep pace with household essentials. Data show significant disparities in ALICE status by race and ethnicity (see below).

Child care workers, Cashiers, Restaurant staff, Home health aides, Grocery store employees



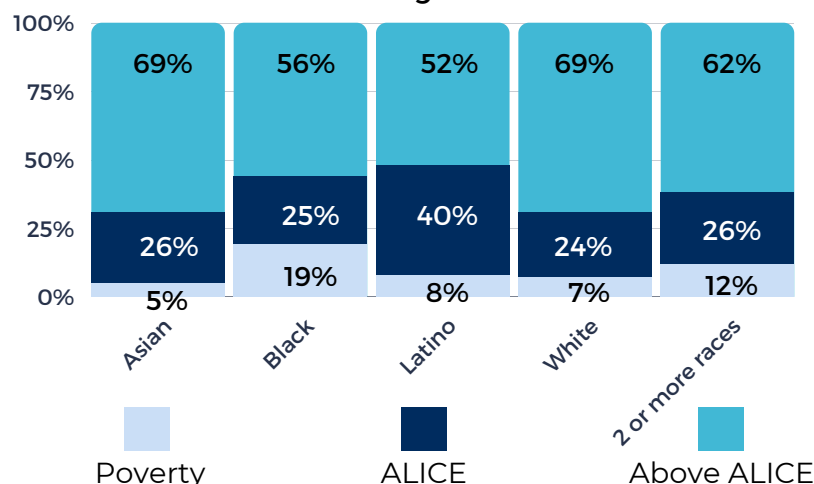
Source: Unitedforalice.org

ALICE Households by Age in Outagamie Co



Source: Unitedforalice.org

ALICE Households by Race /Ethnicity in Outagamie Co



ALICE Household Stability Budget, Outagamie Co, 2018

A Stability budget estimates the higher costs of maintaining a viable household over time, including a 10% savings category that can be used in an emergency, for additional education, or to buy a home.

Single Adult	\$44,784
Two Adults	\$65,760
Two Adults Two School-Age Children	\$108,996
Two Adults Two in Child Care	\$129,900

8%

Households in poverty

24%

ALICE Households:
earn more than Federal Poverty Level
but less than the basic cost of living for the county

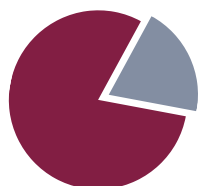


Social & Economic Conditions

ADEQUATE, AFFORDABLE & SAFE HOUSING

HOUSING

The percentage of households where housing costs exceed 30% of total household income provides information on the cost of monthly housing expenses for owners and renters. The information offers a measure of housing affordability and excessive shelter costs.

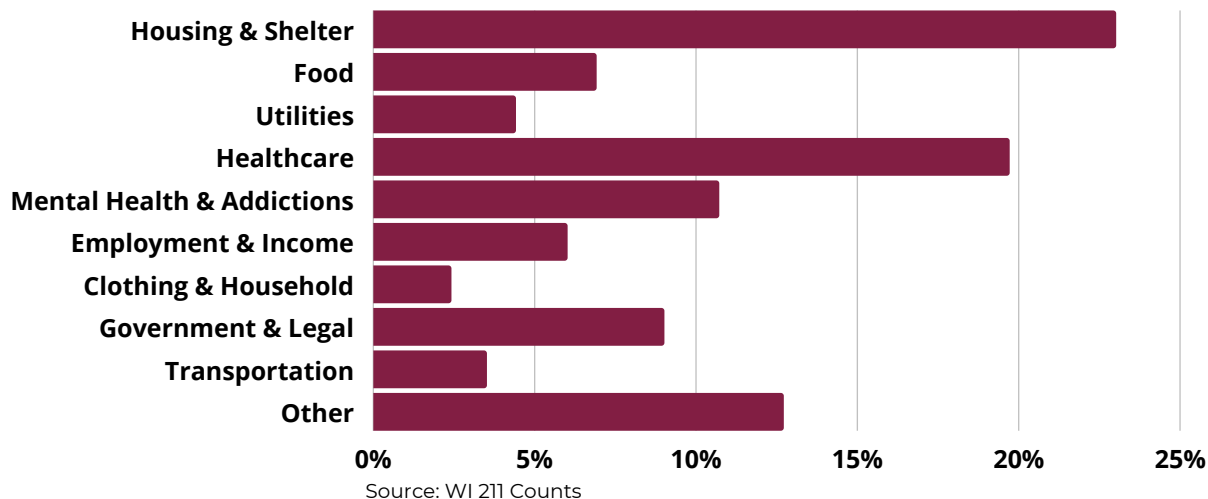


23%

of households in Outagamie Co pay more than 30% of their total income on housing, known as "housing cost burden"

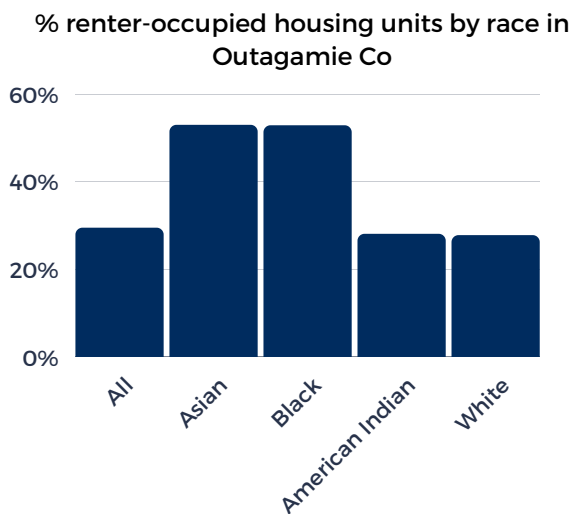
Source: American Community Survey 2014-2018

2-1-1 Top Service Requests in Outagamie Co for 2020



Renters have a higher housing cost burden than homeowners

Source: American Community Survey 2014-2018



3.6%

Female-headed households with children under 18

Source: American Community Survey 2015-2019

in Outagamie County

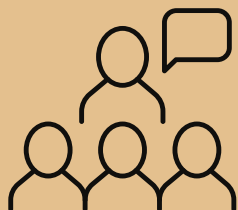


Social & Economic Conditions

ADEQUATE, AFFORDABLE & SAFE HOUSING

Focus Groups

We partnered with Kimberly Food Pantry at Fox Valley Christian Fellowship to conduct 3 focus group sessions of 8-10 people on Dec. 4, 2018 during the Food Pantry hours.



What is the most important issue your community faces right now?

“

- Not enough low-income housing
- Long waiting lists
- Limited amount of places that accept pets
- Many people one paycheck away from being homeless

”

13% of Outagamie Co residents reported they were always or usually worried/stressed about having enough money for rent, mortgage or utilities

Source: Outagamie County Community Health Survey 2018

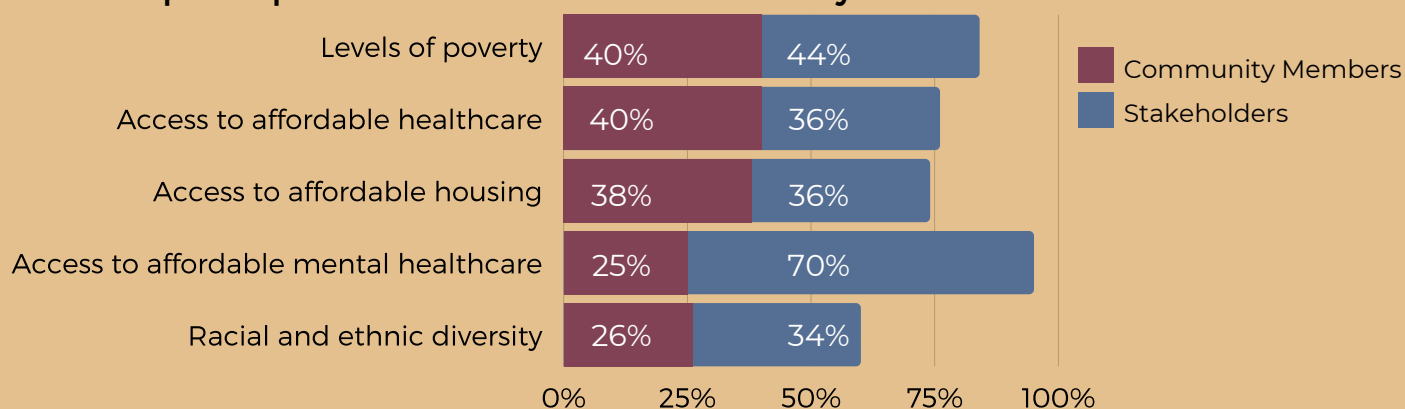


“

Renting is hard. Owners don't know what is going on because they are not local. Managers are not responsive. Took 14 years before getting air conditioning because of a medical condition. Tenants afraid to say something. The people who say something get picked on or seen as trouble makers. Managers blame the tenants rather than the issue, such as an electrical issue.

”

Top 5 Improvement Areas For Community Members & Stakeholders



Source: Tri-County Community Member and Stakeholder Survey Report 2018

"People want to live independently and be healthy for the benefit of their family."

Lolita Pickens, Community Member



Social & Economic Conditions

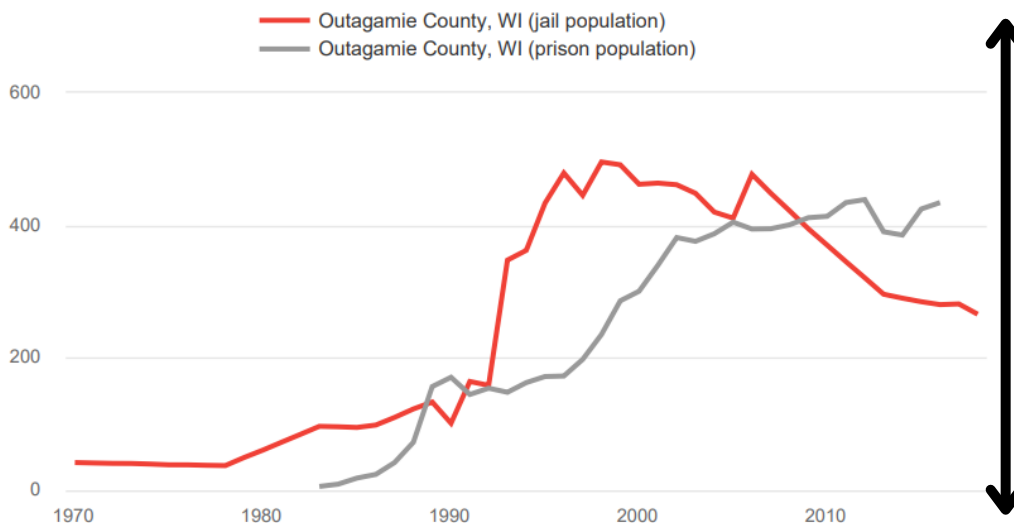
COMMUNITY SAFETY & SECURITY

INCARCERATION

Incarceration takes a toll on individuals, families, and communities. People who have been incarcerated are more likely to experience mental and physical health problems. They may also have trouble finding employment, housing and healthy food.

Jail population, Prison population

Per 100,000 residents age 15-64



Jail population is decreasing, while prison population increases

Source: Vera website Dept of Justice Statistics

6% of total respondents reported someone made them afraid for their personal safety

AGE 2018

18-34	10%
35-44	12%
45-54	3%
55-64	0
65 and older	1%

Source: Outagamie County Community Health Survey 2018

4% of total respondents reported they were pushed, kicked, slapped or hit in the past year

GENDER 2018

Male	6%
Female	2%

Source: Outagamie County Community Health Survey 2018

<1% of total respondents reported they felt extremely unsafe/unsafe from crime in their neighborhood

Source: Outagamie County Community Health Survey 2018

VIOLENT CRIME

Violent crime offenses reported by law enforcement. Violent crime includes homicide, rape, robbery and aggravated assault.

279.5

number of violent crimes during
2014-2016, Outagamie Co

152.9

violent crime rate per 100,000
Outagamie County

297.5

violent crime rate per 100,000
Wisconsin

Source: FBI Uniform Crime Reports. Analysis by National Archive of Criminal Justice Data. Reported by Community Commons



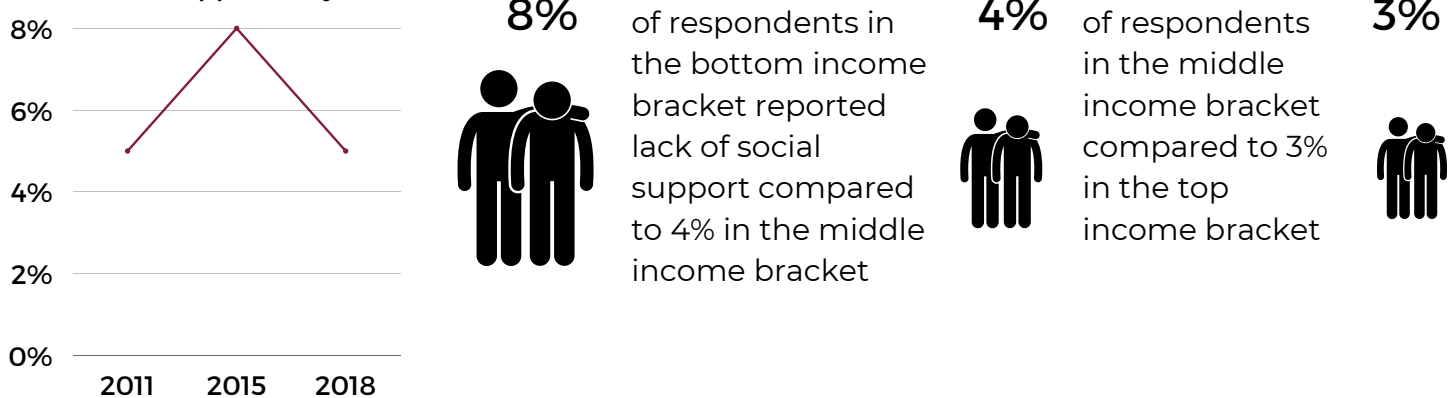
Social & Economic Conditions

COMMUNITY SAFETY & SECURITY

SOCIAL & EMOTIONAL SUPPORT

Social and emotional support is critical for navigating the challenges of daily life and maintaining good mental health. Social and emotional support is also linked to educational achievement and economic stability.

% rarely or never get the social & emotional support they need



Source: Outagamie County Community Health Survey 2018

NEIGHBORS AND SOCIAL SUPPORT

Focus group participants commented on the friendliness and helpfulness of their neighbors. Social support networks have been identified as powerful predictors of health behaviors, suggesting that individuals without a strong social network are less likely to make healthy lifestyle choices.

“

Neighbors look out for each other
Everyone is friendly
Summertime cook outs bring people together
Neighbors help with mowing the lawn and snow plowing
People return kindness with kindness
Community comes together when in need
Neighbors pitch in and help each other

Source: Outagamie County Focus Group 2018

”



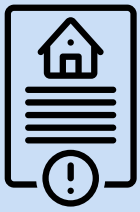
175

number of associations in
Outagamie County

9.4

rate of membership associations
per 10,000

Source: County Health Rankings



Environment

HOME HAZARDS

PRIVATE WATER QUALITY

About 4 in 10 Wisconsin homes get their water from private wells. Well owners are responsible for monitoring and testing their wells. All private wells should be tested regularly to ensure the water is safe to use and drink. Source: Outagamie County 2019 County Environmental Health Profile



6.7% Nitrate in private wells

Outagamie Co test results above EPA standard of 10 mg/L
Wisconsin 11.0%

Nitrate naturally occurs in plants and animals and can enter groundwater from fertilizers or animal and human waste.

In WI, nitrate is a common groundwater contaminant.

High nitrate levels are linked with certain birth defects.



22.4% Arsenic in private wells

Outagamie Co test results above EPA standard of 10 mg/L
Wisconsin 6.0%

Arsenic can naturally occur in soil and rock formations but can also come from pesticides, treated wood, and certain foods. In WI, high levels of arsenic in wells are most common in the northeastern part of the state.

Drinking water with high levels of arsenic can cause skin rashes and stomach problems. Arsenic can also increase the risk for cancer. Infants and children are especially sensitive to arsenic and high levels can affect learning.

HOME HAZARDS



54% Radon
Outagamie Co tests with results \geq pCi/L
Wisconsin 50%

2.2% Childhood Lead Poisoning
Outagamie Co children with blood lead \geq 5.0 μ g/dL
Wisconsin 5.0%



8.1 Carbon Monoxide Poisoning
Outagamie Co rate of ER visits related to CO poisoning per 100,000
Wisconsin 7.9

1372 Flood Vulnerability
Outagamie Co number of housing units within FEMA-designated flood hazard area



Environment

CLIMATE

AIR POLLUTION

Air pollution refers to the release of pollutants into the air that are detrimental to human health and the planet as a whole. Air quality measures have standard levels set by the federal government. The measures include particulate matter under 2.5 microns (PM2.5) and ozone. The data come from monitoring stations across the state.

1 Number of days in Outagamie County above the regulatory standard for ozone concentration Source: WI Department of Health Environment Public Health Data Tracker (2018)

0 Number of days in Outagamie County above the regulatory standard for particulate matter Source: WI Department of Health Environment Public Health Data Tracker (2018)

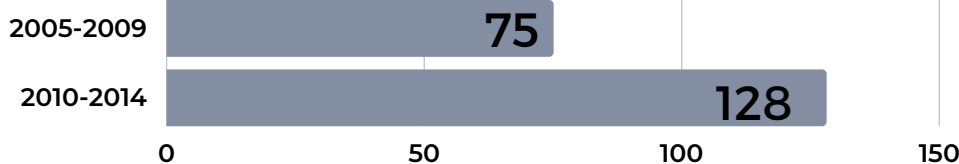


HEAT



Outagamie Co number of emergency department visits for heat stress

Source: WI Department of Health Environment Public Health Data Tracker (2018)



ASTHMA

10% Adults diagnosed with asthma in Outagamie Co

Source: Outagamie County Community Health Survey 2018

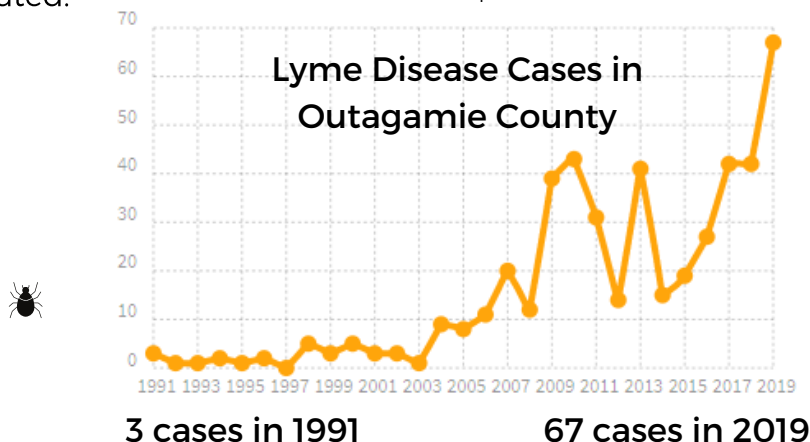
9% Children diagnosed with asthma in Outagamie Co

Source: Outagamie County Community Health Parent Survey 2018

LYME DISEASE

Lyme disease is spread by the bite of an infected black-legged tick and can cause long term health issues if left untreated.

Source: WI Department of Health Environment Public Health Data Tracker (2019)





Environment

OUTDOOR RECREATION

RECREATION

Being outside and enjoying nature has health benefits. Time spent outside in nature can improve both physical and mental health by reducing stress and improving mood.

Source: University of Minnesota

875 Acres

Outagamie County manages approximately 875 acres of outdoor recreation lands, ranging from small boat landings to large multi-use parks.

Outagamie County Parks includes;



- 6 River Accesses
- 4 Trail Systems
- 3 Parks
- 3 Natural Areas
- 1 Nature Center

Source: Outagamie County Parks website

85 Miles of multi-use trails are available in Outagamie County



52 paved
33 unpaved

Source: East Central WI Regional Planning Commission / Fox Cities Life Study 2014

Safe Routes to School

Safe Routes to School is a program with schools and communities to enable and encourage students to walk and bike to school.



Number of schools in Outagamie Co
participating in
Safe Routes to Schools

19

2014



52

2018

Source: East Central WI Regional Planning Commission

43%

Percent of population living within a half mile of a park

Source: WI Department of Health Environment Public Health Data Tracker (2018)



Environment

OUTDOOR RECREATION

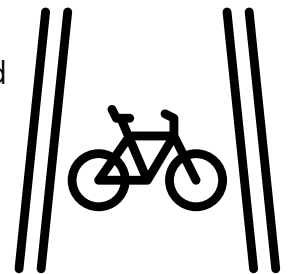
COMMUNITY INPUT (PRIMARY QUALITATIVE DATA)

Community members frequently mentioned the need for safer spaces for bicyclists and pedestrians, increased connectedness of existing trails, and education for multimodal uses of the road. They also praised existing infrastructure for promoting outdoor activity.

Source: Imagine Fox Cities

"I personally would love the ability to walk or ride my bike more places. There are some places where it is very convenient to do so, but others where I could fear getting hit by a car. More bike lanes and sidewalks would be wonderful down the busier, higher speed roads..."

Source: Imagine Fox Cities



"Facilities that encourage exercise and interacting with nature such as nature preserves (Heckrodt, Bubolz), bike lanes, kayak launches, and off-road trails" positively contribute to our community well-being.

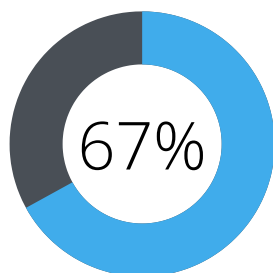
Source: Imagine Fox Cities

"[I] cannot bike to work without huge safety concerns."

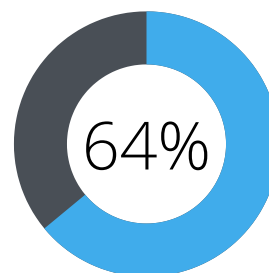
Source: Imagine Fox Cities

COMMUNITY INPUT (PRIMARY QUANTITATIVE DATA)

Community members had varying levels of access to bikeable and walkable spaces.



Percent of East Central Wisconsin residents who report feeling comfortable beginning a bike ride from their home



Percent of East Central Wisconsin residents who report feeling comfortable beginning a walk from their home

Source: East Central Wisconsin Regional Planning Commission Survey of Walking and Biking Activity and Attitudes in the Fox Valley Region

6%

Percent of population who report using a bicycle for their commute

Source: ECWRPC Survey of Walking and Biking Activity and Attitudes in the Fox Valley Region

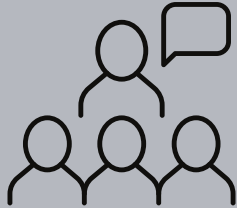


Environment

TRANSPORTATION



Focus Group



We Asked:

What would make it easier to make healthier choices?

What are the barriers to good health in your community?

We Heard:



- Transportation is a barrier.
- Public transportation is horrible. People can't get home at night.
- Bus stops are not convenient.
- When looking for a job, it's very restricted if you don't have a car.



Valley Transit

Valley Transit's service area includes the cities of Appleton, Neenah, and Menasha, as well as the outlying towns and villages of Buchanan, Fox Crossing, Grand Chute, Kaukauna, Kimberly, and Little Chute. These municipalities roughly encompass the Appleton-Fox Cities Urbanized Area, including 117 square miles and a population of approximately 216,000.

4.2%

of all households do not have a vehicle

10.4%

of renter-occupied households do not have a vehicle

Source: American Community Survey 2015-2019



70%

of Valley Transit riders have a household income of less than \$20,000 per year

43%

of Valley Transit riders have a combined income of less than \$10,000 per year

Source: Valley Transit's 2014 On-Board Survey

Valley Transit is committed to improvements for the community as evident in their 2020 Transit Development Plan. 30 Objectives relating to Funding, Partnerships, Perception/Education/Marketing, Service Enhancements, Service Expansion and Technology

Environment

FOOD ENVIRONMENT



Focus Group

We Asked:



What would make it easier to make healthier choices?

What are the barriers to good health in your community?

We heard:



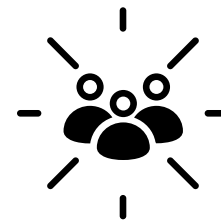
- Unhealthy food is cheaper than healthy food
- Healthy food costs too much
- Healthy food spoils

When you buy healthy food you eat for 3 days, or you buy unhealthy food and have food for much longer

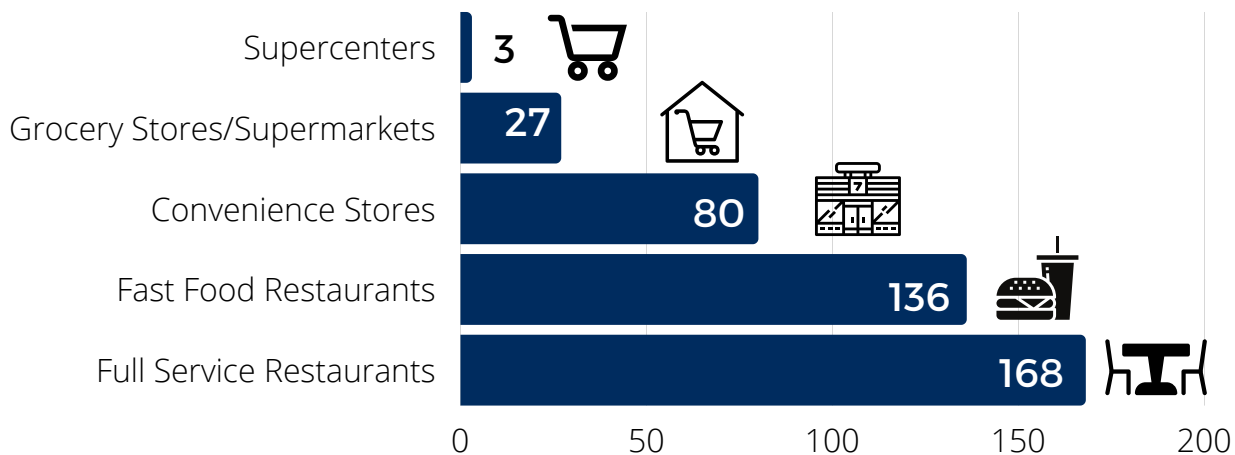
Farmers Markets are fairly reasonable



Schools do have good lunch programs



Food Environment in Outagamie County



Source: Wisconsin Food Security Project

4.4

Convenience stores per 10,000 people

7.5

Fast food restaurants per 10,000 people

1.7

Supermarkets / groceries / supercenters per 10,000 people

36%

Obese adults (BMI 30.0+)

Source: Wisconsin Food Security Project & Community Health Survey

Health Behaviors

ALCOHOL & BINGE DRINKING

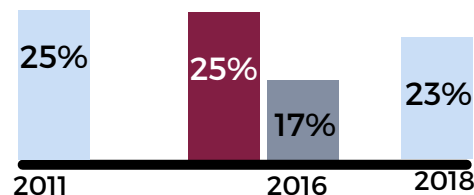


ALCOHOL

Binge drinking is defined as 5+ drinks per occasion for men and 4+ drinks per occasion for women. Wisconsin is number two in the nation for binge drinking. Binge drinking has stayed the same for adults in Outagamie but has declined for high school students from 20% in 2012 to 11% in 2018.

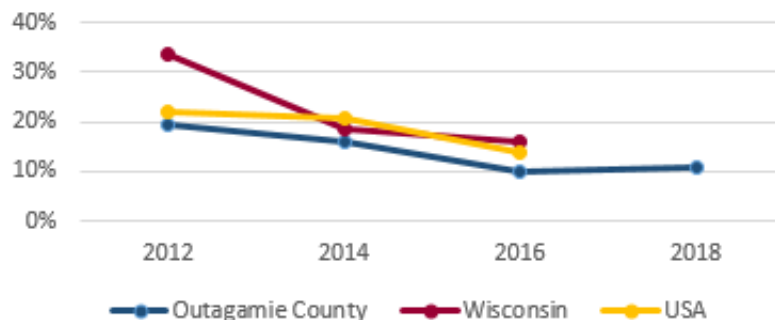
Source: The Burden of Binge Drinking

Adult Binge Drinking



Source: Outagamie County Community Health Survey 2018

High School Binge Drinking in Outagamie Co



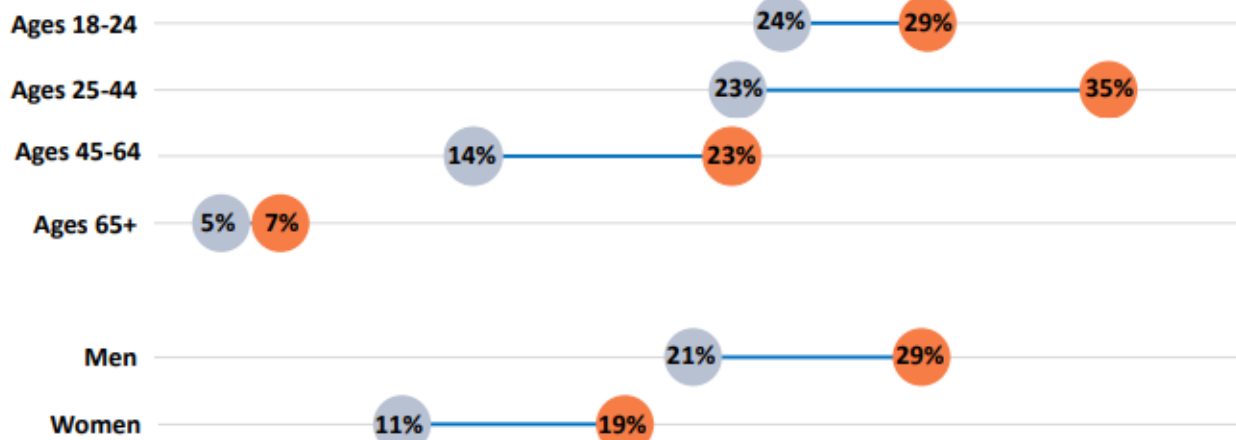
Source: Outagamie County Youth Risk Behavior Survey 2011/12, 2013/14, 2015/16, 2017/18



Decrease in high school alcohol use
Wisconsin continues to lead nation in binge drinking



Wisconsin exceeded the U.S. (median) in estimated prevalence of binge drinking among adults in 2018²⁸



Source: The Burden of Binge Drinking

Health Behaviors

IMPACT OF ALCOHOL & BINGE DRINKING



ECONOMIC COST OF BINGE DRINKING

- \$3.9 billion** the estimated annual economic cost of binge drinking in Wisconsin (2018 dollars)
- \$60.9 million** state alcohol tax revenue generated from alcohol sales in Wisconsin in 2018
- \$141.4 million** the estimated annual economic cost of binge drinking in Outagamie County

Outagamie County Cost Breakdown

Source: The Burden of Binge Drinking



\$771
Cost per resident



\$14 million
Healthcare



\$93.9 million
Lost Productivity



\$58.6 million
Cost to the government



\$20.6 million
Criminal Justice



\$13 million
Other*

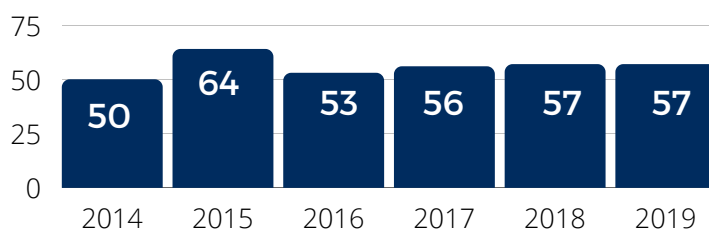
*Costs associated with motor vehicle crashes and other consequences

Alcohol-related deaths in Outagamie County 2015-2019

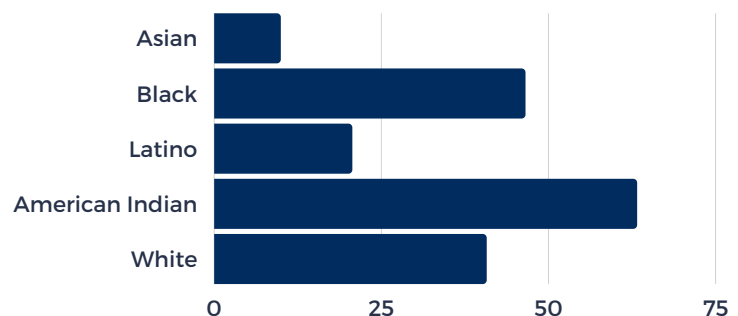
Includes deaths that are directly related to drinking alcohol, such as alcohol-induced liver cirrhosis, or an alcohol poisoning overdose, accidents that occur when the person is intoxicated or certain cancers associated with high alcohol use.



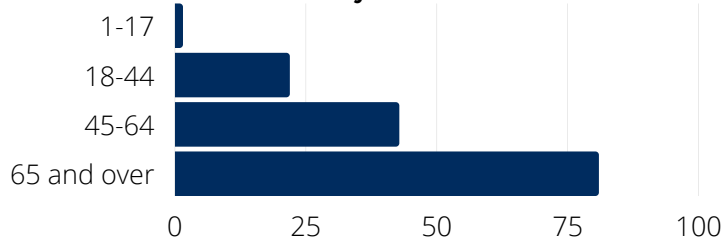
Number of alcohol-related deaths in Outagamie Co



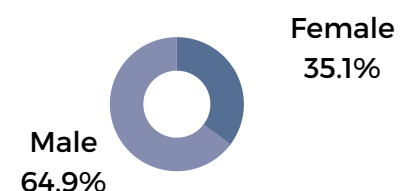
Rate per 100,000 of alcohol-related deaths by RACE/ETHNICITY



Rate per 100,000 of alcohol-related deaths by AGE



Rate per 100,000 of alcohol-related deaths by SEX





Health Behaviors

DRUG USE

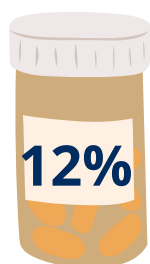
Drug Use

In Outagamie County, Wisconsin and across the nation there has been a surge in the use of prescription drugs for non-medical purposes. Misusing prescription drugs, often in combination with other drugs and alcohol, can have devastating consequences for families.

Top 5 Most Common Substances for People in Treatment 2019, Outagamie Co



Adolescents and Prescription Drug Use



Percent of high school students who have used prescription drugs for non-medical use.



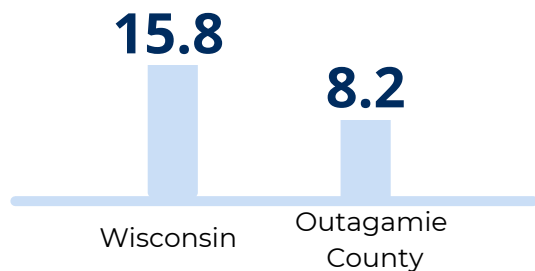
Source: Outagamie County Youth Risk Behavior Survey 2018

Source: Wisconsin State Health Improvement Plan: 2018 Addendum

Opioids

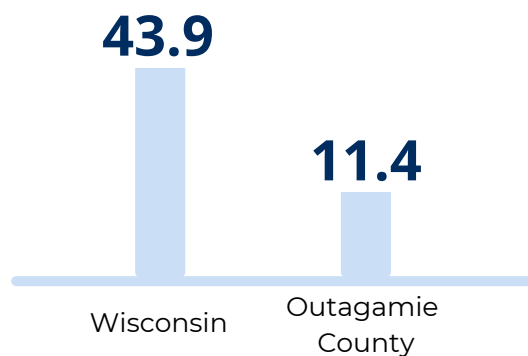
Opioid Deaths

2019 Rate per 100,000 Residents



Opioid Emergency Room Visits

2019 Rate per 100,000 Residents



Source: WI - DHS, Opioids: Summary Data Dashboard



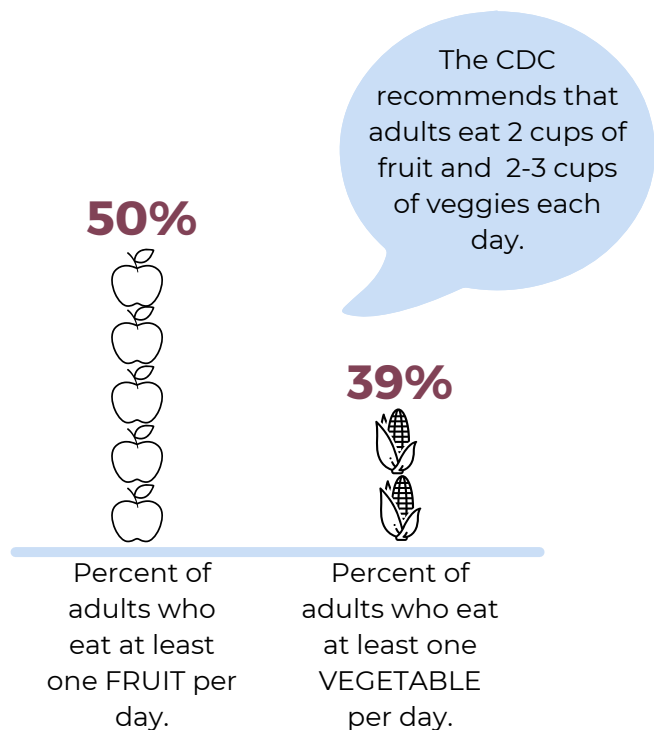
Health Behaviors

NUTRITION

NUTRITION

Eating healthy means consuming a variety of nutritious foods, especially vegetables, fruits and whole grains. Infant nutrition sets the stage for healthy growth and development. Healthy eating is essential for good physical and mental health.

Adult Fruit and Vegetable Consumption

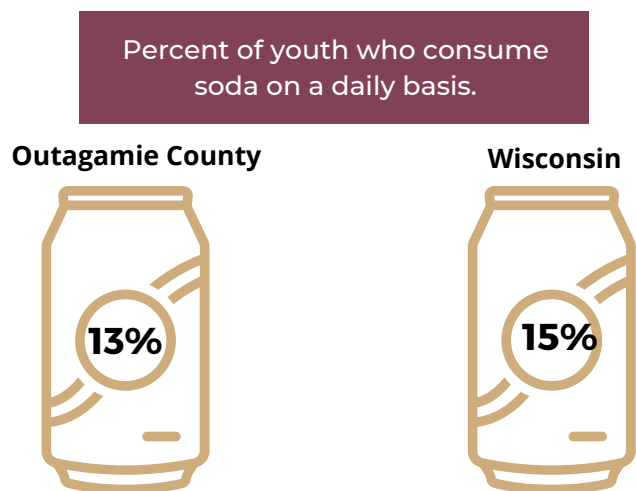


Source: Outagamie County Community Health Survey 2018

Males, residents without a college education, and those in the lower 40 percent income bracket are statistically less likely to eat the recommended daily amount of fruits and vegetables.

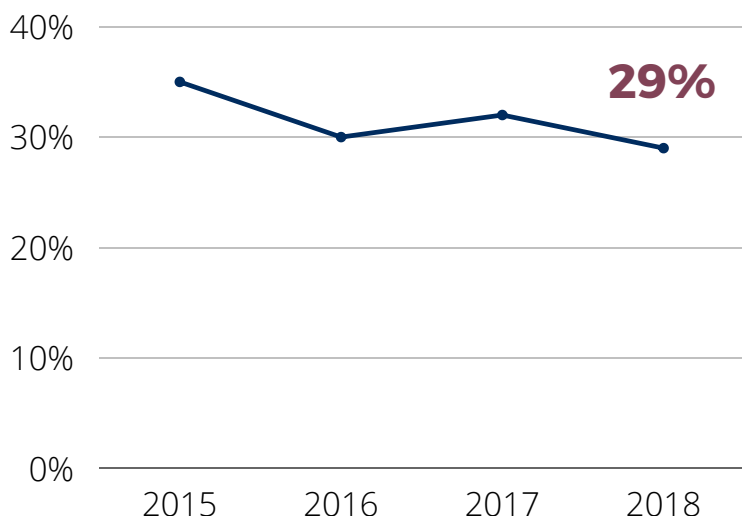
Source: Outagamie County Community Health Survey 2018

Youth Daily Soda Consumption



Source: Outagamie County Youth Risk Behavior Survey 2018
Source: Wisconsin State Health Improvement Plan: 2018 Addendum

Breastfeeding



Percent of infants who are exclusively breastfed through the first 3 months of life.

Goal = 46%

Source: Outagamie County Community Health Improvement Plan 2018

Why is this important?

Breastfeeding provides unmatched health benefits for babies and mothers. Breast milk not only meets the nutritional needs of a growing infant, but also creates bonding opportunities.





Health Behaviors

PHYSICAL ACTIVITY

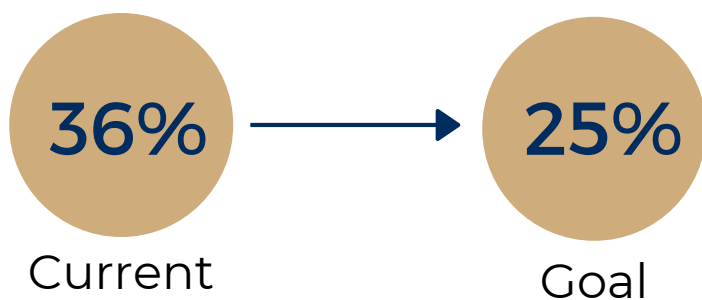


PHYSICAL ACTIVITY

Engaging in regular physical activity is one of the most important things that people of all ages can do to improve their health. Some benefits include lower rates of high blood pressure, diabetes, cancer, and obesity.

Adult Obesity

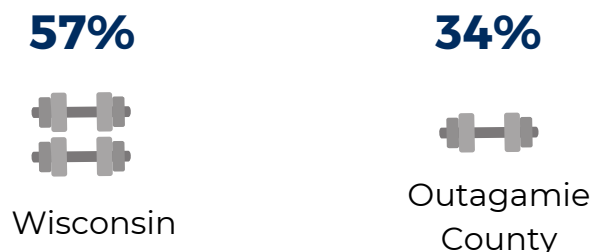
Percent of adults in Outagamie County with a BMI > 30



Source: Outagamie County Community Health Improvement Plan 2018

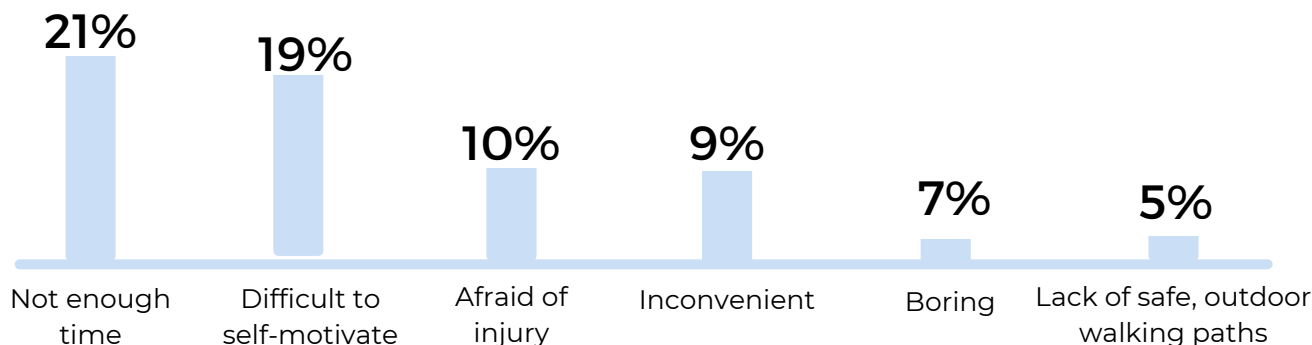
Adult Physical Activity

Percentage of adults who are physically active for at least 150 minutes per week.



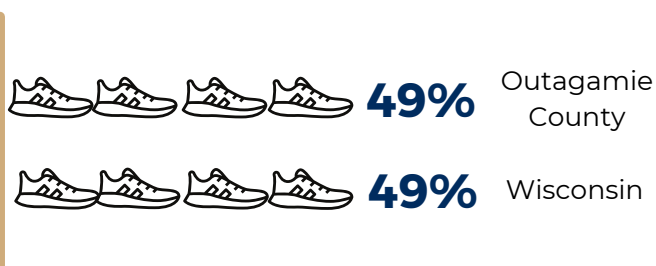
Source: Outagamie County Community Health Survey 2018
Source: Wisconsin State Health Improvement Plan: 2018 Addendum

Barriers to Physical Activity in Outagamie County



Source: Outagamie County Community Health Survey 2018

Youth Physical Activity



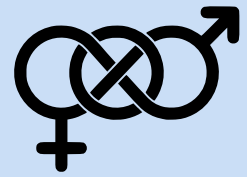
Percentage of students who are physically active for at least 60 minutes per day on 5 or more days of the week.

Source: Outagamie County Youth Risk Behavior Survey 2018
Source: Wisconsin State Health Improvement Plan: 2018 Addendum



Health Behaviors

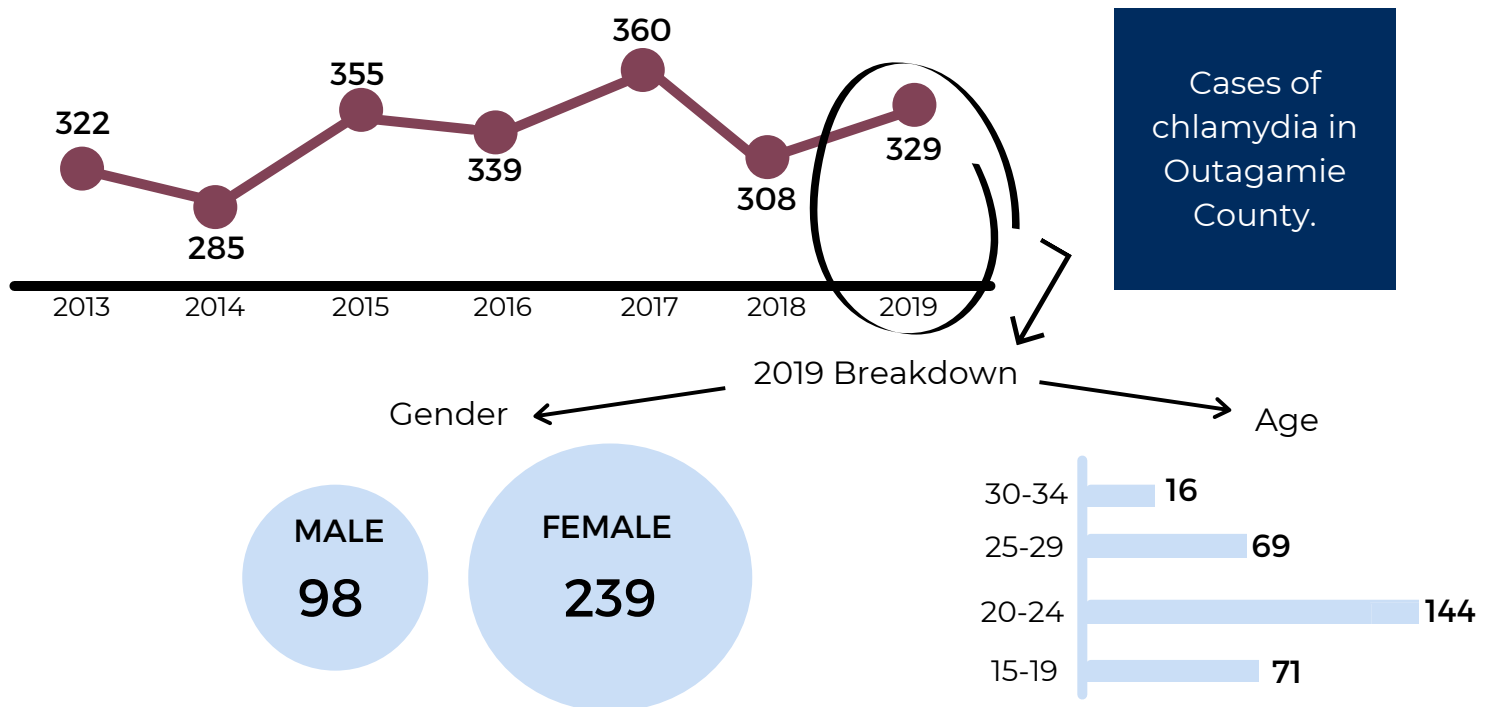
SEXUAL HEALTH



SEXUAL HEALTH

Sexual and reproductive health play a significant role in the overall health and well-being of a person. There is stigma that surrounds sexual health that inhibits proper education. Promoting safe, consensual sexual behaviors is essential.

Sexually-Transmitted Infections (STIs)



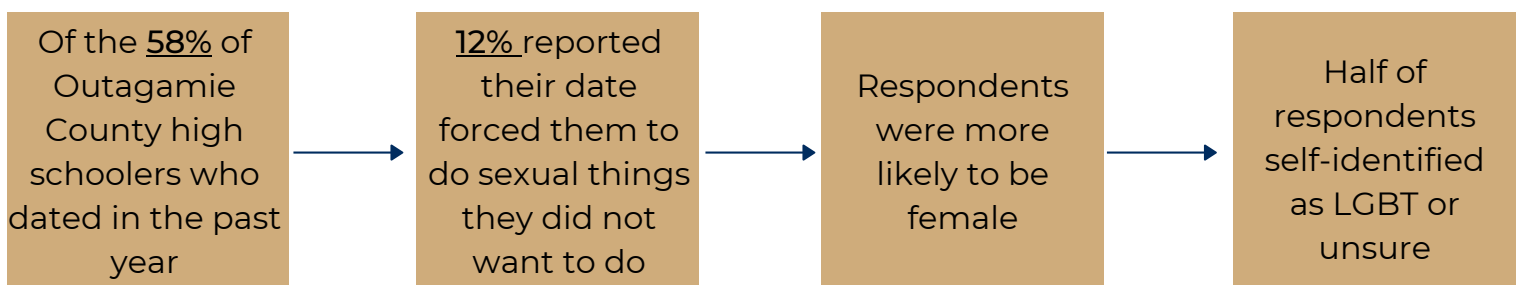
Source: Outagamie County STI Project

Youth

- In 2018, 17% of Outagamie County high school students were sexually active
- 55% of sexually active high school students used a condom during last sexual encounter
- 3% of Outagamie County high school students had an STI
- 2% of Outagamie County high school students have had sex before age 13

Source: Outagamie County Youth Risk Behavior Survey 2018

Sexual Dating Violence



Source: Outagamie County Youth Risk Behavior Survey 2018



Health Behaviors

SMOKING & VAPING



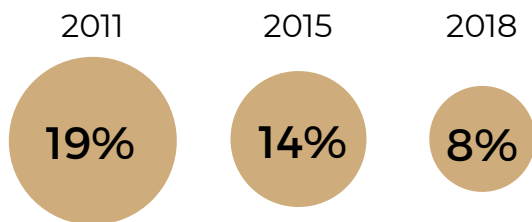
TOBACCO

Currently, tobacco is the leading cause of preventable death in the U.S. Additionally, people who smoke die on average 10 years earlier than non-smokers. Many programs and initiatives have been created to help combat tobacco use in the community.

Source: American Cancer Society

Adult Smoking in Outagamie County

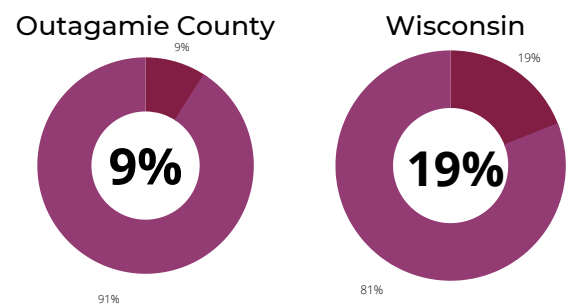
Current tobacco cigarette smokers
(every day or some days)



Source: Outagamie County Community Health Survey 2018

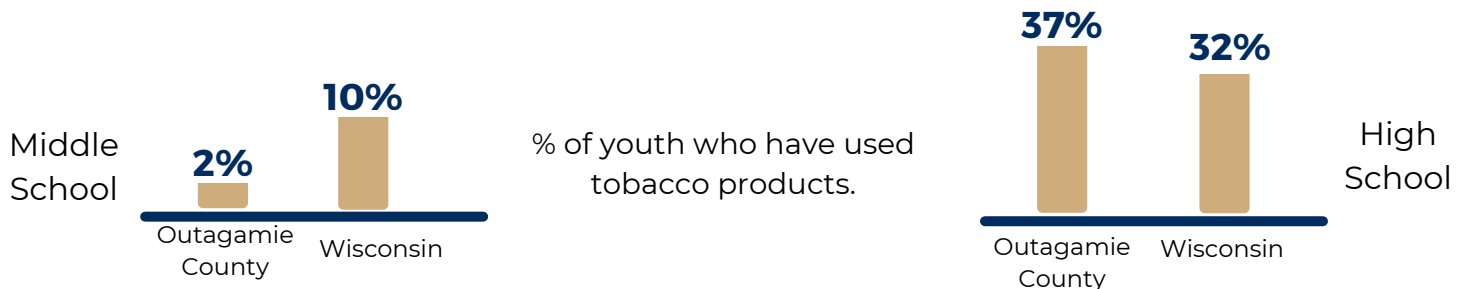
Adult E-Cigarette Use

Percentage of adults who have ever
used e-cigarettes



Source: Wisconsin State Health Improvement Plan: 2018 Addendum

Youth Tobacco Use

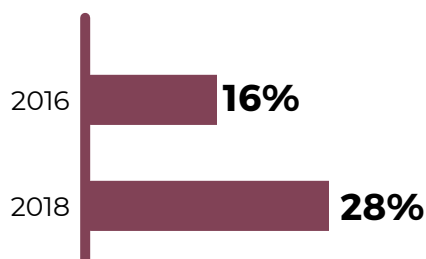


Source: Outagamie County Youth Risk Behavior Survey 2018

Source: Wisconsin State Health Improvement Plan: 2018 Addendum

Youth Vaping

% of high school students in
Outagamie Co. who used an electronic
vapor product in the past month

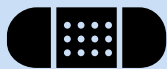


Source: Outagamie County Youth Risk Behavior Survey 2018

While cigarette use is declining among youth, newer tobacco products are gaining popularity. Vapes are taking the shape of USB flash drives & credit cards

Source: Community Action for Healthy Living

- ✓ More 12th graders vaped than 9th, 10th, and 11th graders
- ✓ More students who self-identified as LGBT vaped, when compared to straight students
- ✓ 86% of students who vape report their grades are mostly C's, D's, and F's



Health Behaviors

IMMUNIZATIONS

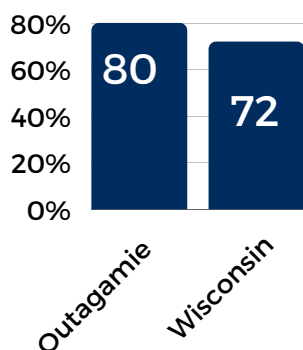
VACCINES

Vaccines provide protection for individuals against serious diseases, and when enough people are vaccinated, the community is protected through herd immunity. Diseases may quickly begin to reappear again if vaccination rates drop. Vaccines have been estimated to save 2.5 million children worldwide from preventable diseases each year.

Source: Clear Answers and Smart Advice about Your Baby's shots: <http://www.immunize.org/catg.d/p2068.pdf>



% of 2-year-old children fully immunized



Source: County Health Rankings (2018)

Required vaccines

- DTaP
- Polio
- MMR
- Hepatitis B
- Varicella

Flu Vaccine



Anyone can get the flu; however, some people are at higher risk for serious complications, including:

- Young children
- Pregnant women
- People 65 years of age and older
- People with chronic health conditions such as asthma or heart disease

Youth Vaccination Rates

WI Student Immunization law requires students to receive a minimum number of immunizations, or have a signed waiver in order to attend school and be in compliance with the law.

The number of personal conviction waivers has steadily grown in the past 20 years.

% Student personal conviction waivers in Outagamie Co



1.2% 1997-1998



4.6% 2018-2019

WI is 1 of only 15 states that allows parents to exempt their children from vaccinations for personal reasons. Medical waivers and religious waivers have not increased over the same time period.

FLU Vaccination 2019-2020

72%

65 and older



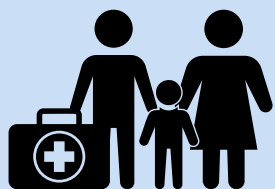
45%

Total residents vaccinated in Outagamie County



62%

0-4 year olds



Health Care

ACCESS TO AND AVAILABILITY OF CARE

INSURANCE - UNINSURED POPULATION

Health insurance coverage is a key driver of health status. The lack of insurance is a primary barrier to accessing healthcare - including regular primary care, specialty care, and other health services - that contributes to poor health status.

Focus Group (Primary Qualitative Data)

“

Health insurance would be a huge thing to try and tackle to help prevent homelessness.

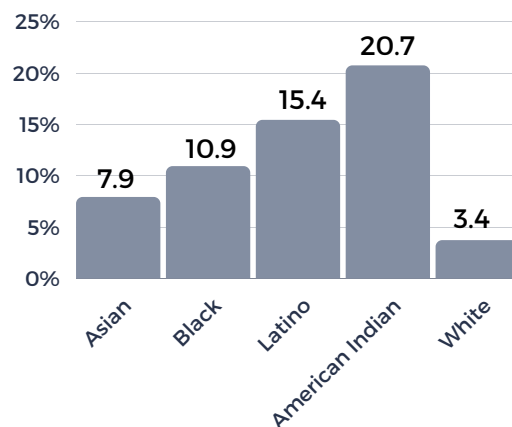
Health Insurance doesn't take account of your bills and other living expenses.

Fighting to get health insurance because a person makes too much but they have medical conditions and a disabled spouse.

Dental is the worst to get service.

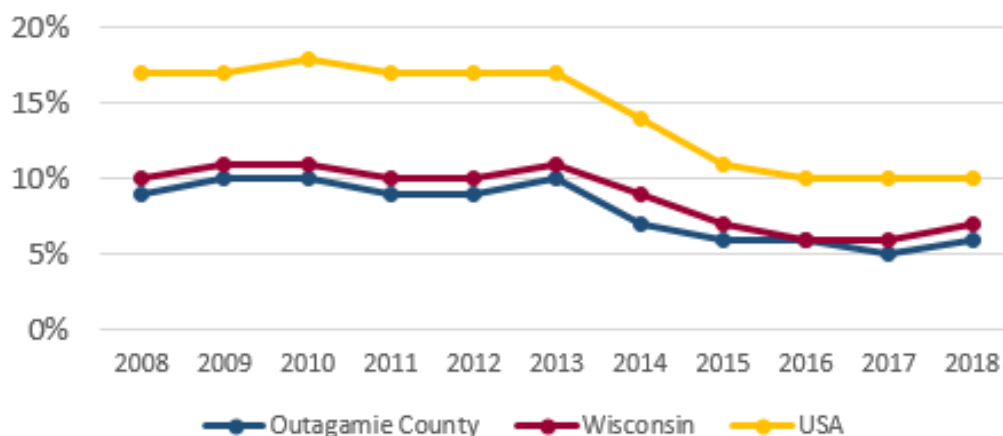
”

% uninsured 2015-2019 by race / ethnicity in Outagamie Co



Source: American Community Survey 2015-2019

Uninsured Trends



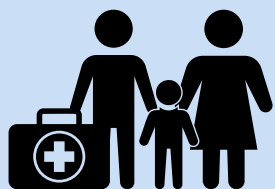
Source: US Census Bureau, Small Area Health Insurance Estimates 2018

3.8%

Uninsured children under age 19 in Outagamie County

Source: US Census Bureau, Small Area Health Insurance Estimates 2018

Source: US Census Bureau, Small Area Health Insurance Estimates 2018



Health Care

ACCESS TO AND AVAILABILITY OF CARE

ACCESS TO AND AVAILABILITY OF CARE

Accessing care requires financial means as well as an adequate number of providers for a population. Ratios of the population to available providers for primary care physicians, dentists, and mental health providers provide insight to the accessibility of services in a community. Outagamie County is ranked 4 out of 72 counties in Wisconsin for clinical care.

Healthcare Provider Statistics in Outagamie County (Secondary Quantitative Data)

160

Number of dentists

394

Number of mental health providers

152

Number of physicians

1,220:1

Primary Care Physician Ratio (2017)

880:1

Other Primary Care Providers Ratio
(2019)

1,170:1

Dentist Ratio (2018)

480:1

Mental Health Provider Ratio (2019)

Source: County Health Rankings

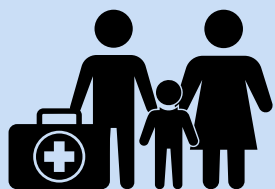
BARRIERS TO CARE

Barriers to access typically include the high cost of care, inadequate or no insurance coverage, and a lack of available services (geographically or remotely), especially culturally competent care. These barriers can lead to unmet health needs, delays in receiving appropriate care, an inability to get preventive services, a rise in preventable hospitalizations and an increase in financial burdens. Access to care often varies by race/ethnicity, socioeconomic status, age, sex, disability status, sexual orientation, gender identity and residential location. Source: US Department of Health & Human Services

Medicaid and BadgerCare + Enrollment

County	Jan 2018	Jan 2019	Jan 2020	Dec 2020	Jan - Dec 2020 Difference
Outagamie	23,719	23,545	23,903	29,349	↑ 5,446
Winnebago	26,434	25,947	26,274	31,870	↑ 5,596
Calumet	4,690	4,533	4,587	5,593	↑ 1,006

As a result of COVID-19, many people lost their job and health insurance in 2020.



Health Care

ACCESS TO AND AVAILABILITY OF CARE

ACCESS TO AND AVAILABILITY OF CARE

The accessibility and availability of care can vary throughout states and as a result of regions' wealth or population density. Outagamie County residents tend to have as good of or better access to healthcare providers than the majority of Wisconsinites, as evidenced by data from the Community Commons CARES Health Indicators Report.

Healthcare Availability Comparisons: Outagamie County & Wisconsin (Secondary Quantitative Data)

1.3x

Wisconsin dentists per capita

1.0x

Wisconsin mental health providers
per capita

1.0x

Wisconsin primary providers
per capita

The United States Department of Health and Human Services recognizes "Health Professional Shortage Areas" (HPSAs), which are "defined as having shortages of primary medical care, dental or mental health providers." Outagamie County has 0 designated HSPAs, whereas Wisconsin has greater than 200 such designated areas.



Source: Community Commons CARES Health Indicators Report

COMMUNITY INPUT (PRIMARY QUALITATIVE & QUANTITATIVE DATA)

Social determinants of health play a major role in the ability to access care, regardless of the geographic proximity of providers. Key informant interviews of Outagamie County leaders and community members indicate that low-income and unemployed residents are more likely to have trouble accessing care. These interviews also reveal that BIPOC or people who speak English as a second language had more difficulty accessing care.

Source: Fox Valley Key Informant Interviews 2021

In the stakeholder and community member survey we helped administer - which intentionally included vulnerable populations receiving services from non-profit organizations or government entities - data demonstrated that poverty and healthcare access were tied for the most critical issue facing our community.

Source: Tri-County Stakeholder and Community Member Survey Report 2018

"The state of our healthcare - medical and mental - is expensive and inaccessible to our working-class and middle-class community members."

Source: Imagine Fox Cities

COVID-19 has highlighted Outagamie County's rural and Hispanic populations as the top two having barriers to accessing care.

Source: Fox Valley Key Informant Interviews 2021



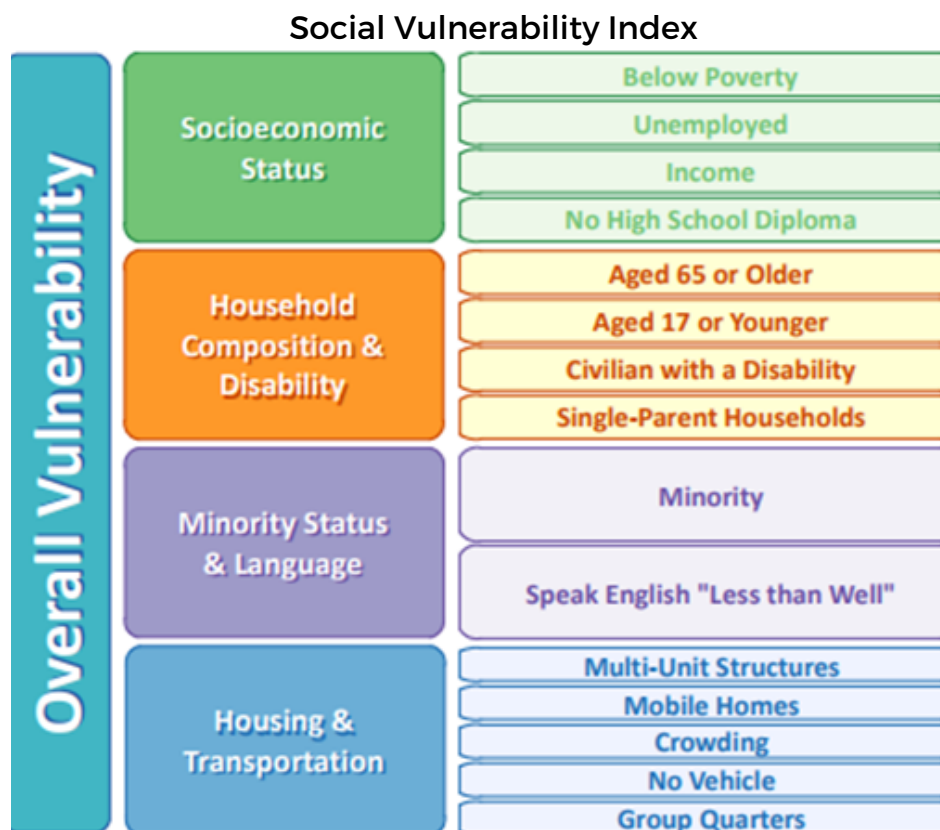
Health Care

UNDERSERVED POPULATIONS

MEDICALLY UNDERSERVED POPULATIONS

Medically underserved populations include those who experience health disparities due to socio-economic status, geographic location, lack of insurance, disability, racial/ethnic minority, language barriers or sexual orientation. Medically underserved populations also include those living within a hospital facility's service area but not receiving adequate medical care from the facility because of cost, transportation difficulties, stigma or other barriers.

Source: IRS 2020



Source::Centers for Disease Control and Prevention

Outagamie County Public Health along with the work of community coalitions, nonprofits, and partnerships with community organizations uses local data to identify community health priorities
Previous priorities include:

Physical Activity & Nutrition Priority

People with a body mass index (BMI) above 30

Workplaces without employee wellness programs

Access to and availability of safe, affordable, fresh foods

Mental Health Priority

People considering suicide with special attention for Youth & Men

Mental wellness among youth

LGBTQ population with special attention for Youth & Minorities



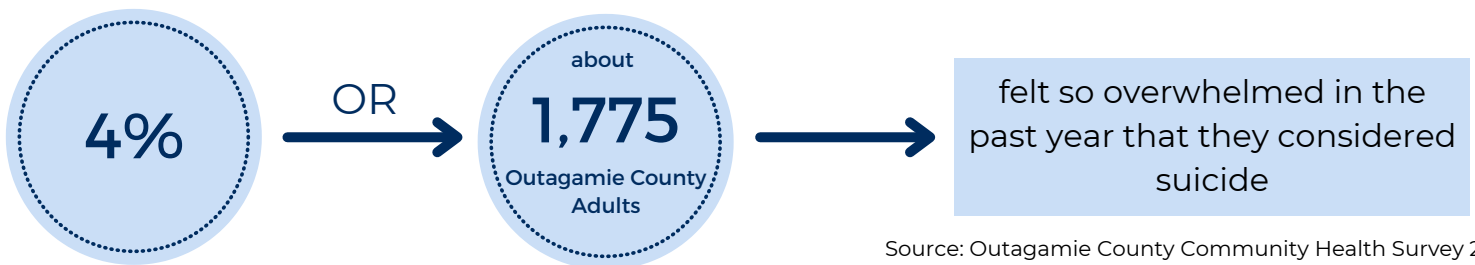
Health Care

MENTAL HEALTH

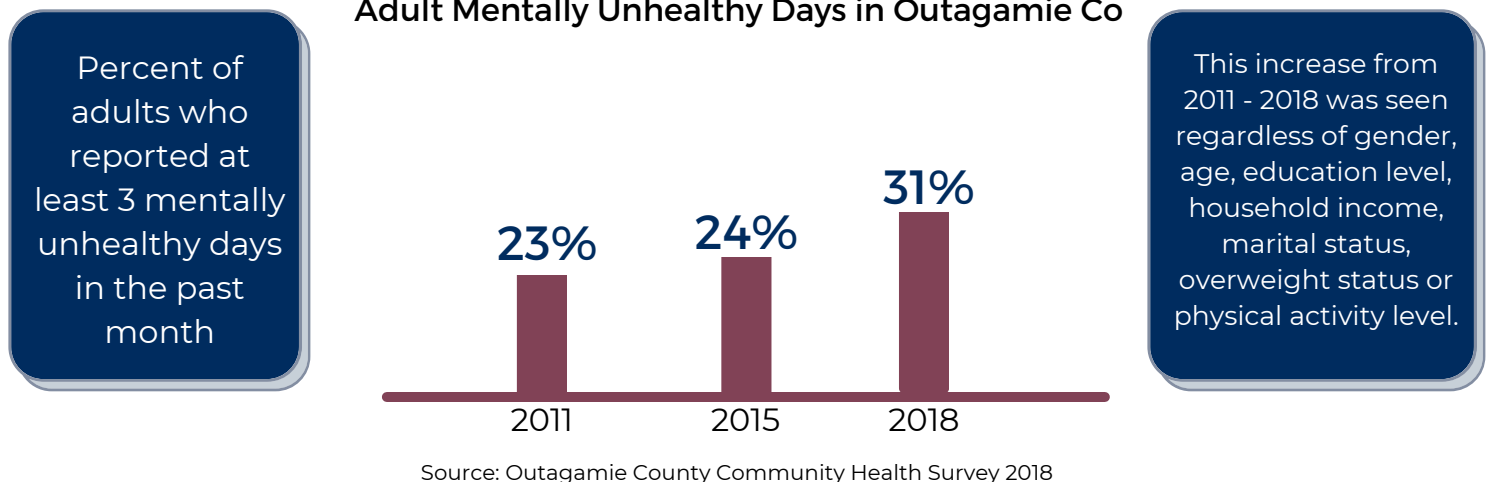
ADULT MENTAL HEALTH

Mental health is essential to overall health. Positive mental health allows people to realize their full potential, cope with the stressors of life, work productively and make meaningful contributions to their communities.

Suicide - Adults



Adult Mentally Unhealthy Days in Outagamie Co



Question, Persuade, Refer (QPR)



Mission:

“To reduce suicidal behaviors and save lives by promoting innovative, practical and proven suicide prevention training. The signs of crisis are all around us. We believe quality education empowers all people, regardless of background, to make a positive difference in the life of someone they know.”

Source: Question, Persuade, Refer Institute



QPR Gatekeeper Training is a community strategy to reduce suicide in Outagamie, Calumet and Winnebago Counties

People QPR trained in Tri-County area 2010-2020

12,788

20,000

Goal

Source: Prevent Suicide Fox Cities



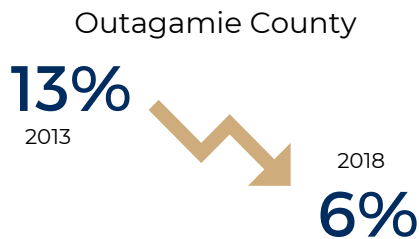
Health Care

MENTAL HEALTH

YOUTH MENTAL HEALTH

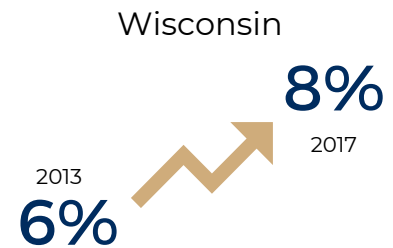
Early childhood experiences have lasting, measurable consequences later in life. Therefore, positive early childhood development lays the foundation for overall health and well-being.

Youth Suicide Attempts



“Suicide is the third leading cause of death in 15-19-year-olds.”

Source: World Health Organization



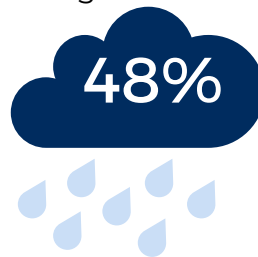
Source: Outagamie County Youth Risk Behavior Survey 2018

Source: Wisconsin State Health Improvement Plan: 2018 Addendum

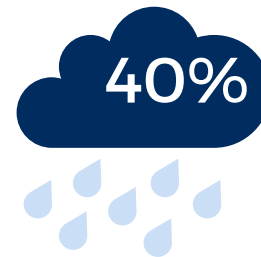
Youth Emotional Wellness

Percent of high school students who reported having significant problems with feeling anxious, nervous, tense, scared or something bad going to happen in the past year.

Outagamie County



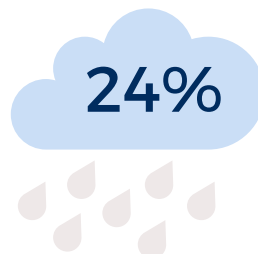
Wisconsin



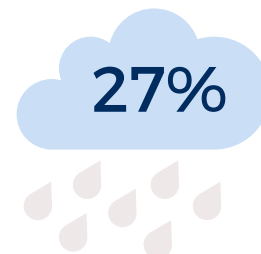
Source: Outagamie County Community Health Survey 2018

Percent of high school students who felt sad or hopeless almost every day for at least 2 weeks.

Outagamie County



Wisconsin



Source: Outagamie County Community Health Survey 2018

Resources

If you or someone you know is experiencing thoughts of suicide or needs help



<https://www.newmentalhealthconnection.org/>
<https://foxcities.wi.networkofcare.org/mh/>
<https://www.preventsuicidefoxcities.org/>
<https://centerforsuicideawareness.org/>



COVID-19 (Through 2020)

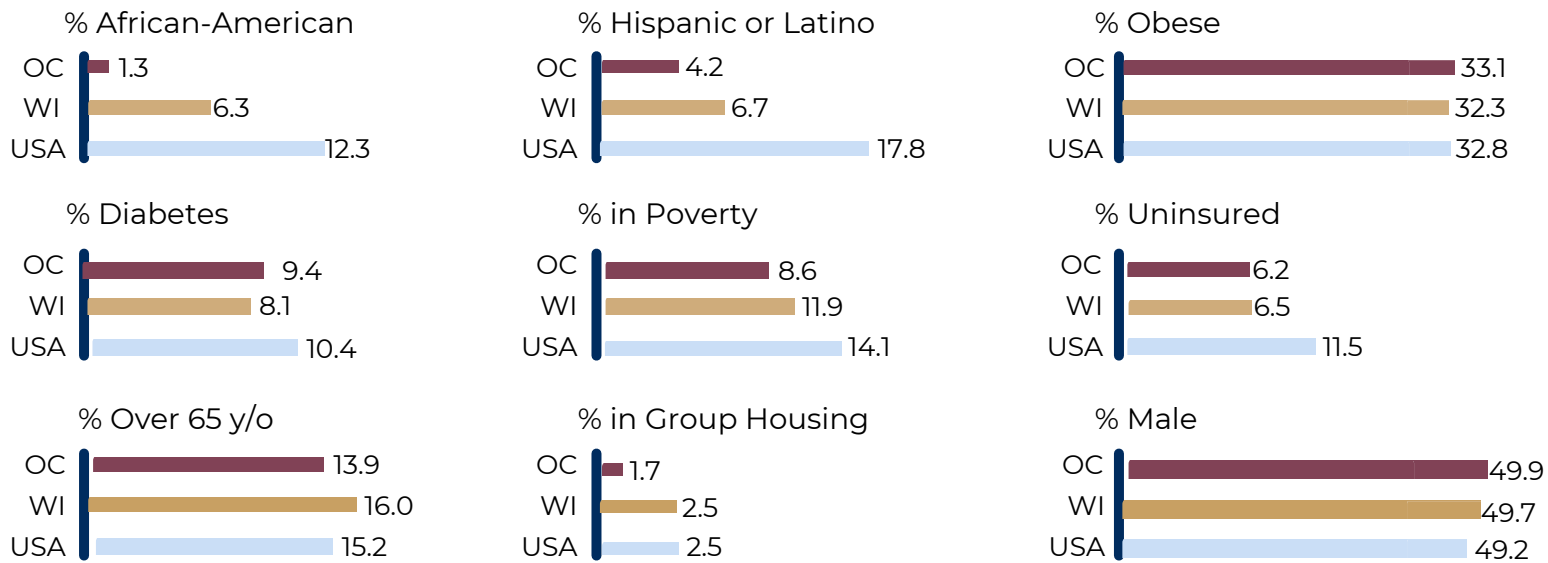
WHO IS AT RISK?

No one has been spared from the impact of Covid-19

Social, economic, health and environmental factors impact an individual's risk of COVID-19 infection and COVID-19 severity. Counties with large groups of vulnerable people may be disproportionately impacted by COVID-19. The table below shows Outagamie County, Wisconsin, and national statistics regarding the proportion of individuals falling into various high-risk categories in 2020.

Risk Factors for COVID-19, 2020

Note: These are not characteristics of COVID, but risk factors.

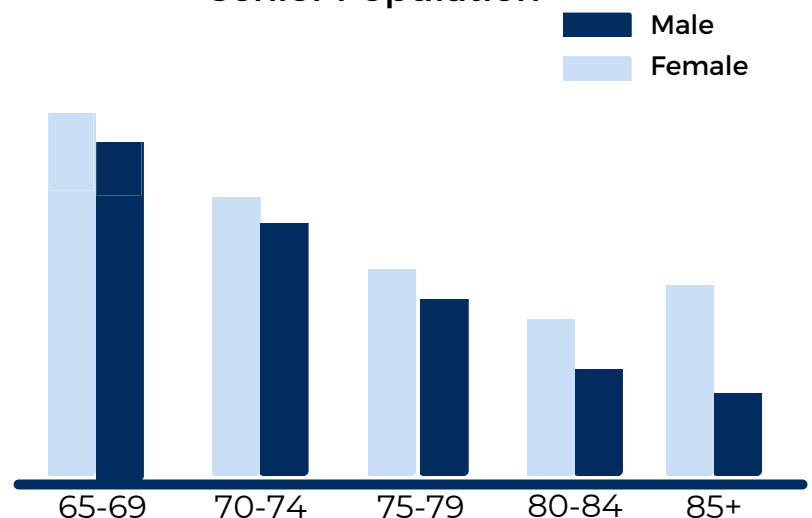


source: <https://covid19.emory.edu/55/087>

At-Risk Populations



Senior Population



Prevention & treatment of infectious and chronic disease for low-income people and communities of color is insufficient in Outagamie County, WI and the US. The COVID-19 pandemic has demonstrated this.



COVID-19 (Through 2020)

2020 DATA

Outagamie County COVID-19 data for 2020

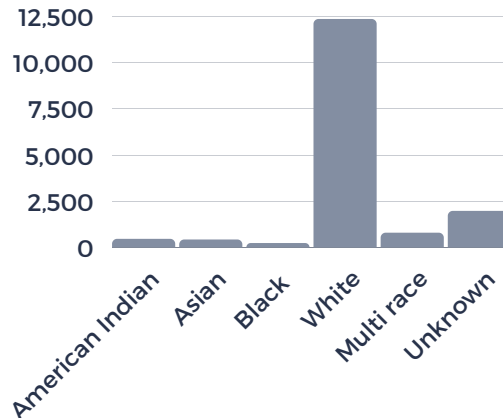
Positive cases in
Outagamie County in 2020



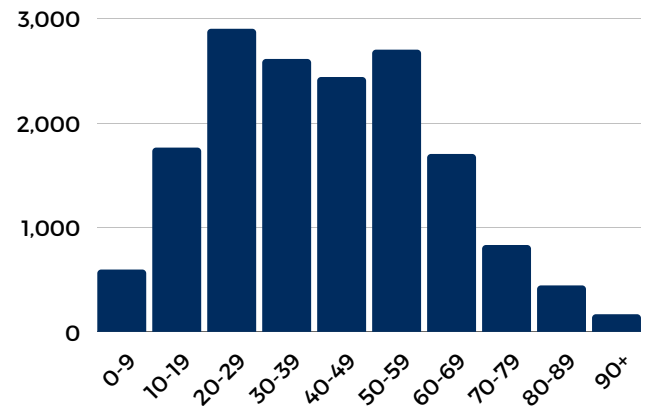
Deaths from COVID-19
Outagamie County in 2020

158

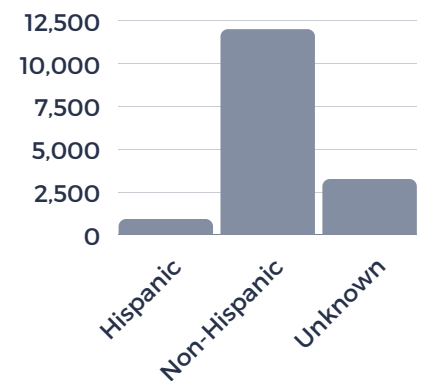
COVID-19 case counts in
Outagamie Co in 2020 by RACE



COVID-19 case counts in
Outagamie Co in 2020 by AGE



COVID-19 case counts in
Outagamie Co in 2020 by ETHNICITY



Impact



Medicaid and BadgerCare + Enrollment					
County	Jan 2018	Jan 2019	Jan 2020	Dec 2020	Jan-Dec 2020 Difference
Calumet	4,690	4,533	4,587	5,593	↑ 1,006
Outagamie	23,719	23,545	23,903	29,349	↑ 5,446
Winnebago	26,434	25,947	26,274	31,870	↑ 5,596

Food Share Recipients					
County	Jan 2018	Jan 2019	Jan 2020	Nov 2020*	Jan-Nov 2020 Difference
Calumet	2,311	1,970	1,913	2,396	↑ 483
Outagamie	12,073	10,736	10,224	13,083	↑ 2,859
Winnebago	14,995	13,909	13,455	16,743	↑ 3,288

* Dec. 2020 numbers not yet available

Source: East Central Income Maintenance Consortium, 1/2021

Statewide Impact:

Over 181,000 more
Wisconsinites enrolled in
Medicaid since the
beginning of the Public
Health Emergency

Source: WI Department of Health
Services

Latinos/Hispanics
made up
4.2% population,
and 5.6% of the
positive cases.

COVID-19
IN IT TOGETHER.
STRONGER THAN EVER.



Health Outcomes

QUALITY OF LIFE - MORBIDITY

MORBIDITY

Morbidity refers to having a disease or a symptom of disease, or to the amount of disease within a population.

Source: National Cancer Institute

Self-Reported Health in Outagamie County



Adults reporting
their health as
EXCELLENT or
VERY GOOD:

42%



Adults reporting
their health as
FAIR or **POOR**:

16%

Source: Outagamie County Community Health Survey 2018

Top Community Health Issues

1

Chronic Diseases

4

Illegal Drug Use

2

Overweight or Obesity

5

Cancer

3

Access to Health Care



Source: Outagamie County Community Health Survey 2018

Health Condition Prevalence

High Cholesterol



26%

High Blood Pressure



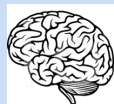
23%

Diabetes



10%

Mental Health
Condition



21%

Asthma



10%

Heart Disease



7%

Source: Outagamie County Community Health Survey 2018

Routine Checkup

2 years ago or less

91%

Outagamie County

84%

Wisconsin

84%

United States

Source: Outagamie County Community Health Survey 2018



Health Outcomes

QUALITY OF LIFE - MORBIDITY

WHO'S AT RISK?

Different demographic groups experience adverse health conditions at differing rates. Here in Outagamie County, as at the national level, the burden of poor health is not distributed evenly.

Health Outcome Disparities in Outagamie County (Primary Quantitative Data)

Source: Outagamie County Community Health Survey 2018

High Cholesterol



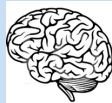
Those 65 and older (44%), with a high school education or less (40%), and who are obese/overweight (29%) are statistically more likely to have high cholesterol.

High Blood Pressure



Those 65 and older (55%), in the bottom 40 percent household income bracket (33%), with a high school education or less (38%), and who are obese/overweight (27%) are statistically more likely to have high blood pressure.

Mental Health Condition



Those who identify as female (27%), age 18-34 (29%), and in the bottom 40 percent household income bracket (28%) are more likely to report a mental health condition.

Those 65 and older (18%) and who are obese/overweight (13%) are more likely to have diabetes.

Diabetes



Those 65 and older (28%), with a high school education or less (12%), and in the bottom 40 percent household income bracket (13%) are more likely to experience heart disease.

Heart Disease



Although there were demographic differences in rates of asthma, there wasn't one group significantly more prone to asthma in the Outagamie County Community Health Survey performed in 2018.

Asthma



Racial and ethnic minorities, LGBTQ+ folks, residents with mental health conditions, and residents who speak English as a second language are all at increased risk for poor health outcomes.

Source: Fox Valley Health Needs Assessment Key Informant Interviews



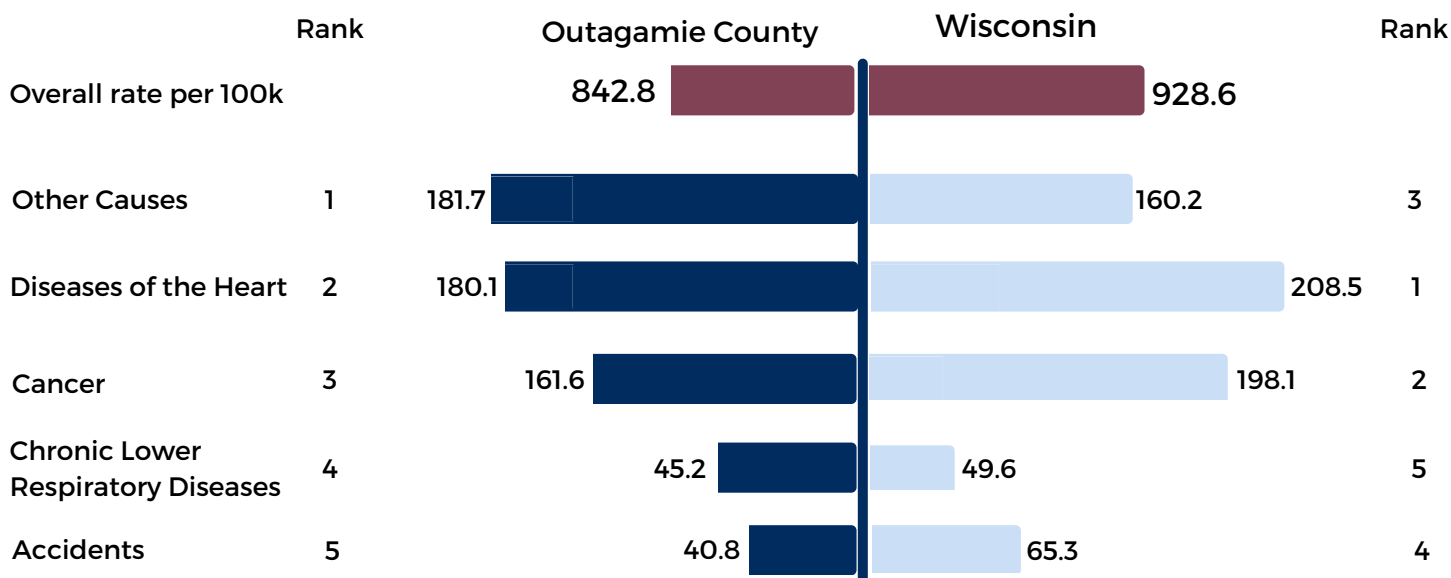
Health Outcomes

LENGTH OF LIFE - MORTALITY

MORTALITY

Mortality is another word for death. It is important to analyze and track causes of death and death rates in a community. These data can be used to develop educational materials, resources, and health promotion programs.

Top Causes of Death - 2018



Source: DHS - Wisconsin Interactive Statistics on Health

Infant Mortality Rate



Source: DHS - Wisconsin Interactive Statistics on Health

Source: CDC - Reproductive Health

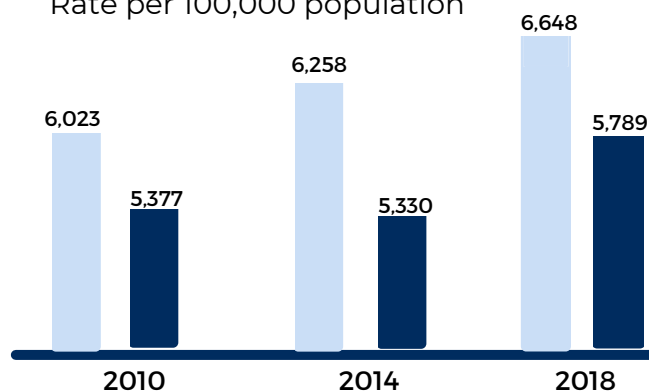
Years of Potential Life Lost (YPLL)



YPLL: Every death occurring before the age of 75 contributes to the total number of years of potential life lost.



Rate per 100,000 population



Source: DHS - Wisconsin Interactive Statistics on Health

Next Steps: How to improve health

We must examine the complex systems in place that impact our health. The previous pages show the conditions and factors that influence health. In order to improve health outcomes we must first understand the systems in which we live.

Chris Little, deputy director for Systems for Action explains a system approach for improving health.

A strong evidence base confirms what many of us recognize intuitively—multiple systems influence health and must be aligned to improve lives. The fact that health outcomes vary by race and other indicators reflect systemic problems in the medical system. But it also reflects how disparate economic and social circumstances are accounted for. If health care is disconnected from social services or the public health system operates in a silo removed from them both, we're not going to make enough progress.

It's easy to see what this means on the ground. Urging a diabetic to eat nutritious food doesn't mean much if she lives in a food desert. Providing someone else with job training but taking away his subsidized medical care once he is employed is self-defeating. Policies that keep people who have been involved with the criminal justice system out of public housing break the link between a secure home and positive health outcomes.

In short, fragmented systems prevent us from treating the whole person. The research base we are building at Systems for Action helps us understand why we need to do better: **coordinating the delivery and financing of medical care, social services, and public health saves lives.** Drawing on 16 years of data from hundreds of communities across the country, a RWJF-supported study found that **deaths from cardiovascular disease, diabetes, and influenza fall significantly when collaborative mechanisms are in place to promote population health.**

There are many tools to align systems—including integrated financing streams, joint governance bodies, inter-organizational agreements, pooled data, and shared workforce models. But we need to learn more about what works best and get that into wider practice.

Community Assets

Community assets draws on the strengths of our communities. This is not an exhaustive list, rather organizations and coalitions known in the area. Community assets is an evolving, growing idea for all residents, employers, employees to be of the mindset that strong communities benefit everyone.

ACLU*
American Red Cross
AmeriCorps
Apricity
Ascension
Behavioral and Mental Health Providers
Be Well Fox Valley*
Boys and Girls Club Fox Valley
Breastfeeding Alliance of NE Wisconsin
Casa Hispana
Catalpa Health
Center for Suicide Awareness
CESA 6
Children's Hospital of Wisconsin
Community Action for Healthy Living
(CAHL)
Community Foundation of the Fox Valley
Crisis Intervention Team (CIT)
Diverse & Resilient*
East Central WI Regional Planning
Commission
Farmers Markets
First Five Early Childhood*
Fox Valley Technical College
Fox Valley Thrives
Harbor House
Head Start
Helios Recovery*
Hmong American Partnership
Imagine Fox Cities
Kaukauna Area School District*

LEAVEN, Inc
Local faith communities
Local fire departments
Local food pantries
Local governments
Local law enforcement agencies
Local libraries
Mosaic Family Health Center
Outagamie Co Health & Human Services
Aging & Long Term Support*
Public Health*
Outagamie County School Districts
Outagamie County Sheriff's Dept*
NAMI Fox Valley
NEW Mental Health Connection*
Oneida Nation
Partnership Community Health Center
Pre-Action Network
Prevent Suicide Fox Cities
Pierce Manufacturing*
Pillars
POINT Initiative*
Riverview Gardens
Rural Health Initiative
Samaritan Counseling
Sexual Assault Crisis Center*
ThedaCare*
United Way Fox Cities*
UW Madison Extension Outagamie Co
Valley Packaging Birth to Three
Valley Transit
Well Cities Fox Cities
WI Well Woman Program
YMCA of the Fox Valley
Zero Suicide

References

American Cancer Society
American Community Survey 2015-2019
Centers for Disease Control and Prevention
Community Action for Healthy Living
Community Commons CARES Health Indicators Report
County Health Rankings and Roadmaps
East Central Income Maintenance Consortium 2021
East Central Wisconsin Regional Planning Commission
FBI Uniform Crime Reports. Analysis by National Archive of Criminal Justice Data. Reported by Community Commons.
Federal Emergency Management Agency
Fox Cities LIFE Study 2014
Fox Valley Health Needs Assessment Key Informant Interviews 2021
HOPE Initiative
<http://www.immunize.org/catg.d/p2068.pdf>
<https://centerforsuicideawareness.org/>
<https://foxcities.wi.networkofcare.org/mh/>
<https://www.newmentalhealthconnection.org/>
<https://www.preventsuicidefoxcities.org/>
Imagine Fox Cities Survey
Internal Revenue Service 2020
Kids Count Data Center
National Association of City and County Health Officials
National Cancer Institute
Outagamie County 2018 Growth Report
Outagamie County 2019 County Environmental Health Profile
Outagamie County Community Health Parent Survey 2018
Outagamie County Community Health Survey 2018
Outagamie County Focus Group 2018
Outagamie County Parks System
Outagamie County STI Project
Outagamie County Youth Risk Behavior Survey 2011/12, 2013/14, 2015/16, 2017/18
Prevent Suicide Fox Cities
Question, Persuade, Refer Institute
The Burden of Binge Drinking
Tri-County Community Member and Stakeholder Report 2018

Tri-County Key Informant Interview Report 2021

United States Bureau of Labor Statistics

United States Census Bureau – Small Area Health Insurance Estimates 2018

United States Department of Education

unitedforalice.org

University of Minnesota

Valley Transit On-Board Survey 2014

Vera website – Department of Justice Statistics

WALHDAB Core Data Set

WI 211 Counts

Wisconsin Department of Health Services – Adult Alcohol Use Dashboard

Wisconsin Department of Health Services – Demographics of Aging Wisconsin

Wisconsin Department of Health Services – Environment Public Health Data Tracker 2018

Wisconsin Department of Health Services – Immunization Data

Wisconsin Department of Health Services – Opioids Summary Data Dashboard

Wisconsin Department of Health Services – Wisconsin Interactive Statistics on Health

Wisconsin Food Security Project

Wisconsin State Health Improvement Plan 2018 Addendum