



# Waukesha County

## Health Status Assessment & Data Report

# 2022

Presented by:



# Contents

	<b>Introduction</b>	<b>1</b>			
<b>1</b>	<b>Demographic Characteristics</b>	<b>2</b>			
	Total Population				
	Population Distribution				
	Age				
	Race/Ethnicity				
	Sexual Orientation				
	Residential Segregation				
	Veterans & Disability				
<b>2</b>	<b>Socioeconomic Characteristics</b>	<b>16</b>			
	Poverty				
	Literacy				
	Education				
	Median Household Income				
	Unemployment Rate				
	Crime				
	Trauma (ACEs)				
	Violence				
	Homelessness				
	Single Parent Families/Households				
	Language				
	Transportation				
	Broadband Internet Access				
	Housing				
<b>3</b>	<b>Health Resource Availability</b>	<b>54</b>			
	Preventative Care				
	Access to Care				
<b>4</b>	<b>Quality of Life</b>	<b>62</b>			
	Health & Wellbeing				
<b>5</b>	<b>Behavioral Risk Factors</b>	<b>64</b>			
	Substance Use				
	Physical Health				
	Chronic Conditions				
	Cancer				
<b>6</b>	<b>Environmental Health</b>	<b>77</b>			
	Private Well Water				
	Chemicals/Home Hazards				
	Air Quality				
	Animal Bites/Rabies				
	Food Safety				
	Built Environment				
	Alcohol Outlet Density				
	Access to Exercise Opportunities				
<b>7</b>	<b>Mental &amp; Social Health</b>	<b>88</b>			
	Mental Health				
	Social Health				
<b>8</b>	<b>Maternal &amp; Child Health</b>	<b>94</b>			
	Mortality				
	Births				
	Prenatal Care				
	Breastfeeding				
<b>9</b>	<b>Death, Illness &amp; Injury</b>	<b>100</b>			
	All Deaths				
	Cancer Deaths				
	Other Deaths				
	Behavioral Health Related Deaths				
	Unintentional Injury Deaths				
	Hospitalizations				
<b>10</b>	<b>Communicable Disease</b>	<b>124</b>			
	Vaccinations				
	Acute & Communicable Diseases				
<b>11</b>	<b>Sentinel Events</b>	<b>129</b>			
	Emerging Threats				
	Climate Change				
	Prescription Opioid & Heroin Crisis				
	<b>COVID 19</b>	<b>134</b>			
	<b>Issues to Watch</b>	<b>137</b>			
	<b>References</b>	<b>138</b>			

# Introduction

## **What's the difference between the Community Health Assessment and the Community Health Assessment & Data Report?**

The Community Health Assessment is an easier to consume version of the larger Assessment and Data report. If you want to do a deep dive into the data, it's available in this report.

The Community Health Assessment and Data Report details important data and health information for the communities in Waukesha County. Through a collaborative data collection and analysis process, the assessment provides comprehensive information about the county's current health status; it identifies key health issues. This shared data gathering helps us understand how we can collaboratively address the significant health needs of the county by leveraging existing resources to improve outcomes and reduce disparities.

**The CHIP Data Subcommittee categorized the data into 11 domains.** The following criteria was used as a guideline to determine the key health indicators that would be used for the Community Health Assessment.

**Feasible:** The indicator is calculable and easy to access; data is timely. The data can be accessed at the census track, zip code or county level.

**Measurable:** There are data sources that can be used to measure the indicator over time.

**Actionable:** The indicator is likely to inform and influence public policy or funding, alter behavior of community members or stakeholders, and/or increase general understanding by the public in order to improve population health. The public health department can implement activities to improve performance again this measure.

**Health Equity:** The indicator can be measured for diverse populations.

Parameters such as using the original data source, trending data using at least three data points, pulling county level data and comparing to state and breaking down by disparities where used in the data collection process.

The data collection was led by the CHIP Data Subcommittee, made up of representatives from a variety of community organizations. **CHIP Data Subcommittee Members:**

- **Amanda Wisth** | Froedtert Health | CHAIRPERSON
- **Amanda Weiler** | United Way of Greater Milwaukee and Waukesha County
- **Andy Dresang** | Froedtert Health
- **Barbra Beck** | Carrol University
- **Ben Jones** | Waukesha County Health and Human Services
- **Dan Michael** | Waukesha County Health and Human Services
- **Jean Schultz** | Community Member
- **Jennifer Whitty** | UW Extension Waukesha County
- **Sara Ward** | Waukesha County Department of Parks and Land Use
- **Terri Phillips** | SJD Consulting
- **Tristin Bruno** | Waukesha County Health and Human Services

# DOMAIN 1

Definition: Demographic characteristics include measures of total population as well as percent of total population by age group, gender, race and ethnicity, and the rate of change in population density over time, due to births, deaths and migration patterns



Those aged 65 years or older in Waukesha County increased by 12% between 2015 - 2020. This is greater than the statewide increase of 9% for this age group during the same time period.

In 2020, those aged 65 years or older comprised roughly 18% of Waukesha County's total population.

Between 2010-2020 in Waukesha County, the percent of those identifying as White-only decreased by almost 3%, while all other racial/ethnic groups (except Native Hawaiian/Pacific Islander) increased; those identifying as two or more races increased by 355.9%. These trends mirror those at the state level.\*

In 2021, both Black/White and Non-White/White residential segregation in Waukesha County was lower than the average statewide residential segregation.

8,529 Hispanics/Latinos lived in Waukesha in 2020. This is very young population with the average age for both sexes being 24 years.

\*In 2015 the US Census updated the race and ethnicity survey questions to make the question easier to understand. These changes reveal that the U.S. population is much more multiracial and more diverse than what was measured in the past.

# Total Population

Since 2000, the population of Wisconsin, Waukesha County has increased. Trends indicate larger municipalities increasing in population and smaller municipalities (< 2,000) decreasing in population.

## Population of Wisconsin, Waukesha County, and Waukesha County Municipalities in 2000, 2010, and 2020

	2000	2010	2020
<b>Wisconsin</b>	5,363,715	5,686,986	5,893,718
<b>Waukesha County</b>	360,767	389,891	407,148
<b>Municipalities (ranked by population)</b>			
<b>Waukesha, City</b>	64,825	70,718	72,016
<b>New Berlin, City</b>	38,220	39,584	39,807
<b>Brookfield, City</b>	38,649	37,920	37,991
<b>Menomonee Falls, Village</b>	32,647	35,626	36,118
<b>Muskego, City</b>	21,397	24,135	24,650
<b>Oconomowoc, City</b>	12,382	15,759	16,289
<b>Pewaukee, City</b>	11,783	13,195	13,979
<b>Sussex, Village</b>	8,828	10,518	10,716
<b>Hartland, village</b>	7,905	9,110	9,195
<b>Pewaukee, village</b>	8,170	8,166	8,225
<b>Mukwonago, village</b>	6,162	7,355	7,549
<b>Delafield, village</b>	6,472	7,085	7,218
<b>Elm Grove, village</b>	6,249	5,934	6,085
<b>Summit, village</b>	4,999	4,673	4,783
<b>Merton, village</b>	1,926	3,346	3,535
<b>Wales, village</b>	2,523	2,549	2,562
<b>Dousman, village</b>	1,584	2,302	2,493
<b>North Prairie, village</b>	1,571	2,141	2,391
<b>Eagle, village</b>	1,707	1,950	1,760
<b>Butler, village</b>	1,881	1,841	1,816
<b>Big Bend, village</b>	1,278	1,290	1,212
<b>Nashotah, village</b>	1,266	1,395	1,428
<b>Lannon, village</b>	1,009	1,107	1,053
<b>Oconomowoc Lake, village</b>	564	595	547
<b>Chenequa, village</b>	583	590	480
<b>Lac La Belle, village</b>	329	290	312

Source: US Census, American Community Survey, 2020

# Population Distribution in Waukesha County

Since 2010, the population distribution of Waukesha County has changed. Data indicates that the 65+ population is growing and has increased from 2010 to 2020. The Waukesha County Aging and Disability Resource Center (ADRC) reported that 26.7% of the population (108,000 individuals) in Waukesha County are over the age of 60 (2021 County Health Rankings) and ranked Waukesha County second in Southeast Wisconsin for percentage of population over 60+.

## Population Distribution of Age and Gender in Waukesha County in 2010, 2015, 2020

	Waukesha County							
	2010		2015			2020		
	Estimate	Percent	Estimate	Percent	% Change 2010 - 2015	Estimate	Percent	% Change 2015 - 2020
<b>Total population</b>	386,130	386,130	396,488	396,488	3%	402,637	402,637	2%
<b>Male</b>	189,395	49.0%	194,667	49.1%	3%	198,162	49.2%	2%
<b>Female</b>	196,735	51.0%	201,821	50.9%	3%	204,475	50.8%	1%
<b>Under 5 years</b>	21,819	5.7%	20,315	5.1%	-7%	20,670	5.1%	2%
<b>5 to 9 years</b>	26,550	6.9%	24,824	6.3%	-7%	23,327	5.8%	-6%
<b>10 to 14 years</b>	28,038	7.3%	25,506	6.4%	-9%	25,626	6.4%	0%
<b>15 to 19 years</b>	27,127	7.0%	26,435	6.7%	-3%	26,182	6.5%	-1%
<b>20 to 24 years</b>	18,625	4.8%	21,653	5.5%	16%	22,083	5.5%	2%
<b>25 to 34 years</b>	38,743	10.0%	40,141	10.1%	4%	42,206	10.5%	5%
<b>35 to 44 years</b>	55,143	14.3%	48,371	12.2%	-12%	49,772	12.4%	3%
<b>45 to 54 years</b>	67,515	17.5%	61,138	15.4%	-9%	55,355	13.7%	-9%
<b>55 to 59 years</b>	28,124	7.3%	31,646	8.0%	13%	33,397	8.3%	6%
<b>60 to 64 years</b>	21,587	5.6%	29,275	7.4%	36%	29,090	7.2%	-1%
<b>65 to 74 years</b>	26,873	7.0%	37,440	9.4%	39%	43,089	10.7%	15%
<b>75 to 84 years</b>	18,110	4.7%	19,756	5.0%	9%	21,273	5.3%	8%
<b>85 years +</b>	7,876	2.0%	9,988	2.5%	27%	10,567	2.6%	6%
<b>Median age (years)</b>	41.3	(X)	43.3	(X)	5%	43.1	(X)	0%
<b>65 years +</b>	52,859	52,859	67,184	67,184	27%	74,929	74,929	12%
<b>Male</b>	22,588	42.7%	29,557	44.0%	31%	33,599	44.8%	14%
<b>Female</b>	30,271	57.3%	37,627	56.0%	24%	41,330	55.2%	10%

Source: US Census, American Community Survey, 2020

# Population Distribution in Wisconsin

From 2010 to 2020 the total population of Wisconsin has increased by 3%, however the change in number of residents 65+ has changed more significantly. From 2010 to 2020, there has been a 30.2% increase in residents aged 65+.

## Population Distribution of Age and Gender in Wisconsin in 2010, 2015, 2020

	Wisconsin							
	2010		2015		% Change 2010 - 2015	2020		% Change 2015 - 2020
	Estimate	Percent	Estimate	Percent		Estimate	Percent	
<b>Total population</b>	5,637,947	5,637,947	5,771,337	5,771,337	2%	5,806,975	5,806,975	1%
<b>Male</b>	2,795,908	49.6%	2,868,297	49.7%	3%	2,889,783	49.8%	1%
<b>Female</b>	2,842,039	50.4%	2,903,040	50.3%	2%	2,917,192	50.2%	0%
<b>Under 5 years</b>	354,854	6.3%	336,843	5.8%	-5%	331,066	5.7%	-2%
<b>5 to 9 years</b>	363,688	6.5%	366,301	6.3%	1%	350,727	6.0%	-4%
<b>10 to 14 years</b>	381,651	6.8%	364,306	6.3%	-5%	368,898	6.4%	1%
<b>15 to 19 years</b>	406,695	7.2%	378,190	6.6%	-7%	377,618	6.5%	0%
<b>20 to 24 years</b>	391,816	6.9%	406,700	7.0%	4%	396,548	6.8%	-2%
<b>25 to 34 years</b>	700,209	12.4%	725,456	12.6%	4%	735,559	12.7%	1%
<b>35 to 44 years</b>	763,225	13.5%	696,695	12.1%	-9%	706,143	12.2%	1%
<b>45 to 54 years</b>	868,283	15.4%	798,893	13.8%	-8%	738,449	12.7%	-8%
<b>55 to 59 years</b>	368,728	6.5%	426,763	7.4%	16%	429,759	7.4%	1%
<b>60 to 64 years</b>	283,930	5.0%	370,427	6.4%	30%	389,409	6.7%	5%
<b>65 to 74 years</b>	379,813	6.7%	506,537	8.8%	33%	573,737	9.9%	13%
<b>75 to 84 years</b>	262,762	4.7%	267,557	4.6%	2%	275,833	4.8%	3%
<b>85 years and over</b>	112,293	2.0%	126,669	2.2%	13%	133,229	2.3%	5%
<b>Median age (years)</b>	38.1	(X)	39.4	(X)	3%	39.6	(X)	1%
<b>65 years and over</b>	754,868		900,763		19%	982,799		9%
<b>Male</b>	324,488	43.0%	403,895	44.8%	24%	448,136	45.6%	11%
<b>Female</b>	430,380	57.0%	496,868	55.2%	15%	534,663	54.4%	8%

Source: US Census, American Community Survey, 2020

# Age Distribution Comparison

In 2020 Waukesha County had a greater percentage of people in the 34 to 44, 45 to 54, 55 to 59, 60 to 64, 65 to 74, 75 to 84, and 85+ age ranges as compared to the state of Wisconsin.

## Population Distribution of Age in Wisconsin and Waukesha County in 2010, 2015, 2020

Group	2010		2015		2020	
	Wisconsin	Waukesha County	Wisconsin	Waukesha County	Wisconsin	Waukesha County
Under 5 years	6.3%	5.7%	5.8%	5.1%	5.7%	5.1%
5 to 9 years	6.5%	6.9%	6.3%	6.3%	6.0%	5.8%
10 to 14 years	6.8%	7.3%	6.3%	6.4%	6.4%	6.4%
15 to 19 years	7.2%	7.0%	6.6%	6.7%	6.5%	6.5%
20 to 24 years	6.9%	4.8%	7.0%	5.5%	6.8%	5.5%
25 to 34 years	12.4%	10.0%	12.6%	10.1%	12.7%	10.5%
35 to 44 years	13.5%	14.3%	12.1%	12.2%	12.2%	12.4%
45 to 54 years	15.4%	17.5%	13.8%	15.4%	12.7%	13.7%
55 to 59 years	6.5%	7.3%	7.4%	8.0%	7.4%	8.3%
60 to 64 years	5.0%	5.6%	6.4%	7.4%	6.7%	7.2%
65 to 74 years	6.7%	7.0%	8.8%	9.4%	9.9%	10.7%
75 to 84 years	4.7%	4.7%	4.6%	5.0%	4.8%	5.3%
85+ years	2.0%	2.0%	2.2%	2.5%	2.3%	2.6%

Source: US Census, American Community Survey, 2020

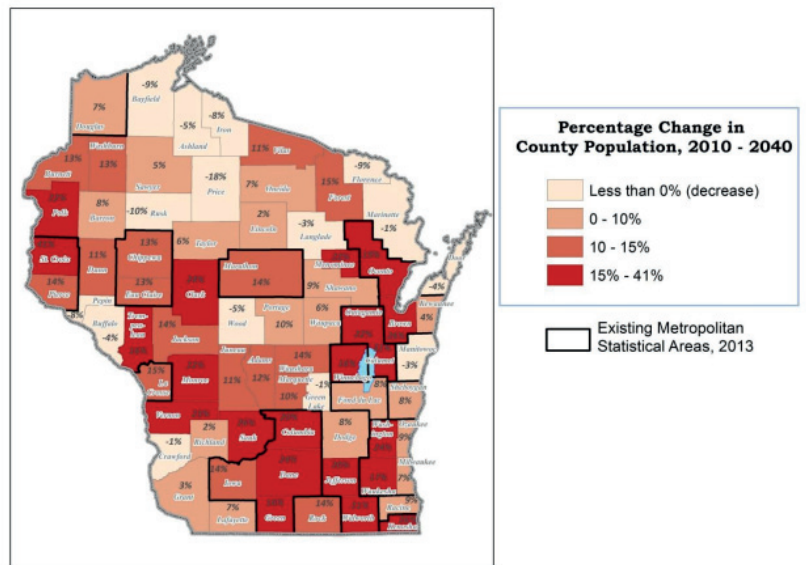


# Population: Projected Growth

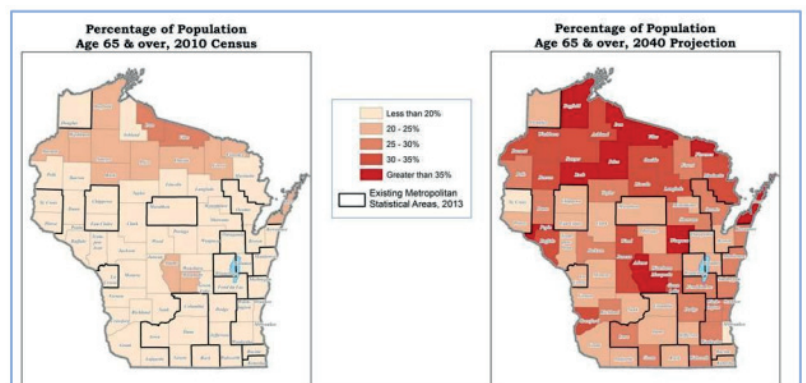
Largest Counties (by Size at 2040), 2010-2040						
County Name	Census 2010	Projected 2040	Numeric Change	Percent Change	Size Rank, 2010	Size Rank, 2040
Milwaukee	947,735	1,016,250	68,515	7.2%	1	1
Dane	488,073	606,620	118,547	24.3%	2	2
Waukesha	389,891	455,720	65,829	16.9%	3	3
Brown	248,007	312,320	64,313	25.9%	4	4
Outagamie	176,695	215,290	38,595	21.8%	6	5
Racine	195,408	213,760	18,352	9.4%	5	6
Kenosha	166,426	209,670	43,244	26.0%	8	7
Winnebago	166,994	193,130	26,136	15.7%	7	8
Rock	160,331	182,860	22,529	14.1%	9	9
Washington	131,887	163,890	32,003	24.3%	11	10

## Data Highlights:

- Waukesha County's population is projected to increase through 2040 and remain the 3<sup>rd</sup> most populous county in the state.
- The percentage of the population great than 65 years is projected to continue to increase through 2040.



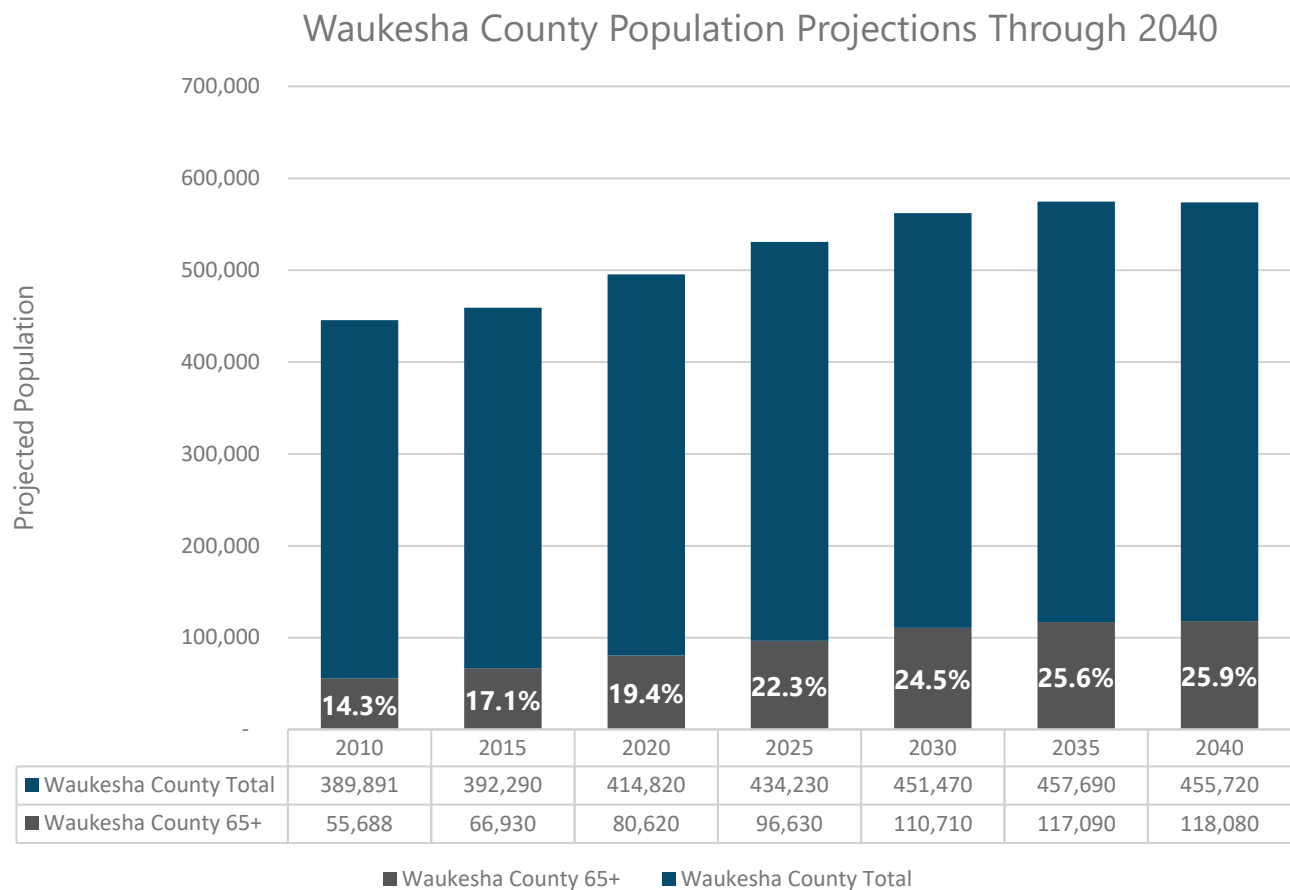
Source: UW Madison Applied Population Laboratory



# Aging Population

Waukesha County's 65+ population is expected to grow through 2040 and make up a larger portion of Waukesha County's population distribution. The Waukesha County ADRC reports that 31.6% of Waukesha County households have at least one member who is 65+ years old.

## Waukesha County Population Projections from 2010 to 2040



Source: Wisconsin Department of Administration Updated Population Projections for Counties by Age: 2010 - 2040; Vintage 2013  
 Prepared by Eric Grosso, Bureau of Aging and Disability Resources 8/2015

## Race and Ethnicity

2019 data shows that Waukesha County's 65+ population is primarily White/Caucasian (95.6%). 1.8% of individuals 65 or age or older identify their race as Asian, alone, while 1.5% of the community identifies as Hispanic ethnicity.

Source: U.S. Census, American Community Survey, 2015-2019; U.S. Census Population estimates program, June 2020. Compiled by Eric Grosso, Demographer, Office on Aging, Wisconsin Department of Health Services

# Aging Population

Waukesha County has thirty-seven municipalities with a very diverse population in each of these municipalities. The county is made up of urban, suburban, and rural communities. The table below indicates some key characteristics by municipality. Key areas include a median household income of over 65 residents which ranges from \$180,000 in Oconomowoc Lake Village to \$21,106 in Butler, with an all-county average of \$52,399. The percent of 65 and over population below 100% of the poverty level ranges from 10.8% in Butler to 0% in several communities with an overall county level of 5.1%.

Municipality	Total Population all ages	Population ages 60 and older	Population ages 65 and older	Median Household Income over 65	% Population age 65 and older below 100 % poverty level	% Population over 65 under 185% of poverty level	Number of units that are rentals	% Rental costs <30% of income
All County	400,475	102,211	72,414	\$52,399	5.10%	16.80%	10,047	29.20%
Big Bend village	1,348	352	223	\$46,250	8.10%	9.90%	10	0.00%
Brookfield city	38,358	11,521	8,448	\$66,270	4.60%	12.20%	616	29.70%
Brookfield town	6,248	2,450	1,924	\$42,148	5.50%	19.30%	707	28.60%
Butler village	1,821	540	371	\$21,106	10.80%	46.40%	209	36.80%
Chenequa village	560	239	199	\$156,250	0.00%	8.00%	6	33.30%
Delafield city	7,457	2,388	1,728	\$60,134	6.30%	22.20%	378	28.80%
Delafield town	8,713	2,455	1,682	\$84,583	2.80%	9.40%	20	100.00%
Dousman village	2,368	726	587	\$32,449	12.70%	26.20%	245	15.10%
Eagle village	2,063	328	190	\$47,500	0.00%	18.90%	16	81.30%
Eagle town	3,556	874	535	\$72,679	0.00%	20.40%	10	0.00%
Elm Grove village	6,153	1,989	1,540	\$85,417	6.90%	23.60%	39	66.70%
Genesee town	7,315	2,100	1,322	\$63,578	2.30%	14.80%	64	0.00%
Hartland village	9,268	1,957	1,320	\$59,732	3.30%	16.10%	232	25.40%
Lac La Belle village	294	100	55	\$116,250	0.00%	3.60%	0	--
Lannon village	1,213	251	182	\$51,875	0.00%	17.60%	4	0.00%
Lisbon town	10,540	3,155	2,045	\$55,417	5.70%	17.00%	6	0.00%
Menomonee Falls village	37,160	9,796	7,220	\$43,502	4.30%	20.80%	1,622	23.70%
Merton village	3,672	403	264	\$49,167	0.00%	10.20%	11	54.50%
Merton town	8,556	2,294	1,422	\$65,778	2.70%	10.40%	29	34.50%
Mukwonago village	7,807	1,662	1,228	\$46,208	5.50%	14.30%	282	27.70%
Mukwonago town	8,112	1,983	1,223	\$59,310	4.30%	18.90%	11	100.00%
Muskego city	24,946	5,952	4,098	\$51,909	2.50%	15.60%	569	30.10%
Nashotah village	1,219	315	195	\$45,833	4.10%	11.80%	13	0.00%
New Berlin city	39,718	11,972	8,609	\$49,838	5.70%	15.20%	1,089	27.90%
North Prairie village	2,352	503	342	\$63,750	2.90%	9.60%	19	31.60%
Oconomowoc city	16,698	3,539	2,692	\$49,485	4.30%	16.70%	639	39.00%
Oconomowoc town	8,652	2,205	1,586	\$67,104	4.50%	14.80%	25	20.00%
Oconomowoc Lake village	583	165	112	\$180,000	0.00%	6.30%	2	100.00%
Ottawa town	3,904	1,266	813	\$52,917	5.30%	12.90%	0	--
Pewaukee city	14,431	3,948	2,828	\$57,458	4.50%	13.10%	98	25.50%
Pewaukee village	8,164	2,197	1,686	\$39,353	7.70%	23.80%	529	37.10%
Summit village	4,917	1,521	1,087	\$72,778	5.20%	12.80%	52	19.20%
Sussex village	10,833	1,880	1,224	\$47,653	9.50%	21.90%	229	30.60%
Vernon town	7,654	2,141	1,542	\$64,671	3.10%	8.00%	29	0.00%
Wales village	2,581	622	425	\$86,023	3.30%	12.50%	25	0.00%
Waukesha city	72,412	13,908	9,840	\$43,305	7.60%	20.90%	2,077	32.30%
Waukesha town	8,829	2,514	1,627	\$56,339	4.90%	16.00%	135	5.90%

Source: U.S. Census, American Community Survey, 2015-2019; U.S. Census Population estimates program, June 2020. Compiled by Eric Grosso, Demographer, Office on Aging, Wisconsin Department of Health Services

# Aging Population & Disability

Waukesha County has nearly 20,000 individuals over the age of 65 who report a disability. This includes 16.5% with an ambulatory difficulty, 12% with a hearing difficulty and 10.7% with an independent living difficulty. The chart below provides additional information regarding individuals with disabilities.

## Waukesha County over 65 with a Disability

<b>Any Disability Number</b>	19,550
<b>Any Disability, Percent of Population</b>	27.50%

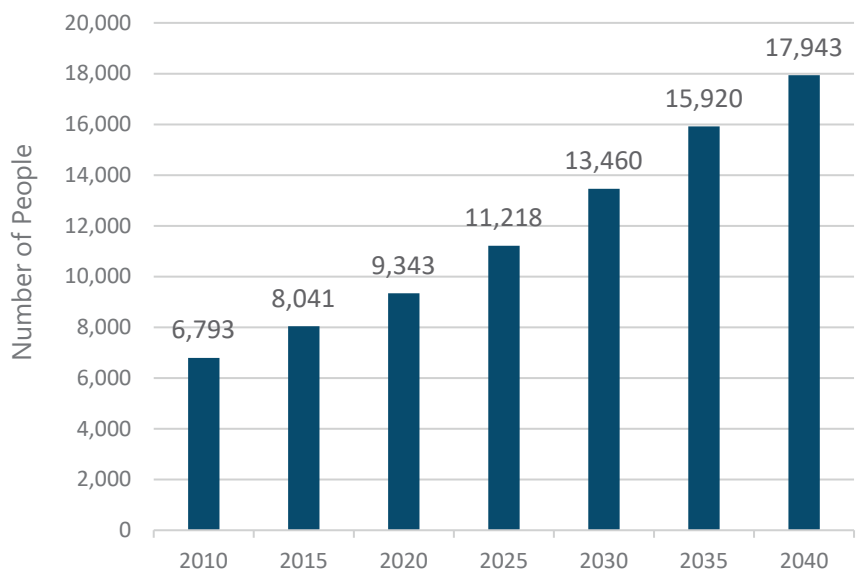
Hearing Difficulty Number	8,577
Hearing Difficulty, Percent of Population	12.10%
Cognitive Difficulty Number	3,959
Cognitive Difficulty, Percent of Population	5.60%
Vision Difficulty Number	2,627
Vision Difficulty, Percent of Population	3.70%

Ambulatory Difficulty Number	11,730
Ambulatory Difficulty, Percent of Population	16.50%
Self-care Difficulty Number	4,032
Self-care Difficulty, Percent of Population	5.70%
Independent Living Difficulty Number	7,639
Independent Living Difficulty, Percent of Population	10.70%

## Dementia Care

As people live longer, the number of individuals with dementia increases. Results of the 2018 Waukesha County Public Health Community Health Improvement Plan and Process (CHIPP) indicate that Alzheimer’s Disease is the fifth leading cause of death in Waukesha County, an increase from the eighth leading cause of death in the year 2000. The chart below indicates the statistics related to the number of individuals living in the community with a dementia diagnosis as 9,343 in 2020 to a projection of 17,943 by the year 2040.

## Projected Population Over 65 With Dementia Living in Households in Waukesha County



Source: Aging Program Data Dashboard provided by State of Wisconsin Department of Health Services & Waukesha County ADRC

# Race

## Population Distribution of Race in Waukesha County in 2010 and 2020

Waukesha County						
	2010		2020		Change 2010 - 2020	
	Total	% of Population	Total	% of Population	Total Change	% Change
<b>Waukesha County</b>	389,891		406,978		17,087	4.4%
<b>White Alone</b>	363,963	93.3%	353,946	87%	(10,017)	(2.8%)
<b>Black, African-American Alone</b>	4,914	1.3%	6,852	1.7%	1,938	39.4%
<b>American Indian &amp; Alaska Native, Alone</b>	1,066	0.3%	1,202	0.3%	136	12.8%
<b>Asian Alone</b>	10,721	2.7%	15,698	3.9%	4,977	46.4%
<b>Native Hawaiian &amp; Other Pacific Islander Alone</b>	0	0.0%	130	0.0%	(1)	(0.8%)
<b>Some Other Race Alone</b>	4,041	1.0%	6,102	1.5%	2,061	51.0%
<b>Two or More Races</b>	5,055	1.3%	23,048	5.7%	17,993	355.9%

Source: US Census: Wisconsin Census 2020

## Population Distribution of Race in Wisconsin in 2010 and 2020

Wisconsin			
	2010	2020	% Change 2010- 2020
	Total Population	% of Population	
<b>Wisconsin</b>	5,893,718		3.6%
<b>White Alone</b>	4,738,549	80.4%	(3.4%)
<b>Black, African-American Alone</b>	377,198	6.4%	4.8%
<b>American Indian &amp; Alaska Native, Alone</b>	58,937	1.0%	10.8%
<b>Asian Alone</b>	176,812	3.0%	36%
<b>Native Hawaiian &amp; Other Pacifica Islander Alone</b>	0	0.0%	20.4%
<b>Some Other Race Alone</b>	182,705	3.1%	34%
<b>Two or More Races</b>	359,517	6.1%	244.7%

Source: US Census: Wisconsin Census 2020

# Ethnicity

## Hispanic/Latino Population in Waukesha County (2020)

Hispanic/Latino Population	
Total Population	8,529
Male	4,444
Female	4,085

Median Age of Hispanic/Latino Population	
Both sexes	24
Males	25
Females	24

Sex by Age of Population in Household for Hispanic/Latinos		
	Males	Females
Under 5 years	536	520
5 to 9 years	518	508
10 to 14 years	406	389
15 to 19 years	349	336
20 to 24 years	368	310
25 to 34 years	877	748
35 to 44 years	605	521
45 to 54 years	389	354
55 to 64 years	197	198
65 to 74 years	97	94
75 to 84 years	35	51
85 years and over	9	12

Hispanic/Latino Homes with Multiple Generations	
Total	2,264
Home has 3 or more generations	145
Home does not have 3 or more generations	2,119

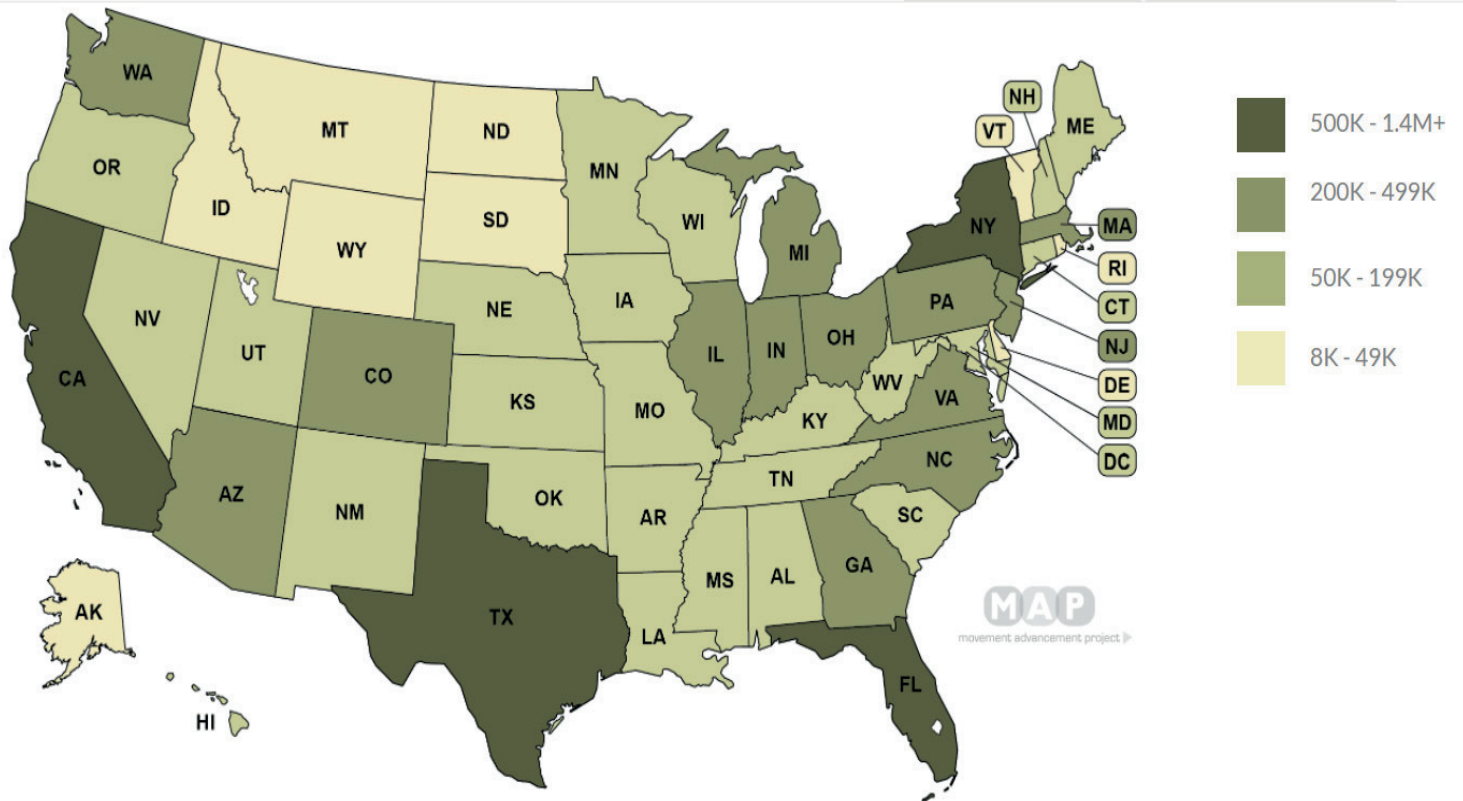
Number of Hispanic/Latino Occupied Homes	
Total	2,264
Family led homes	1,790
Husband-wife family	1,137
Population of male led with no wife present	225
Population of female led with no husband present	428
Nonfamily homes	474

Source: U.S. Census Bureau

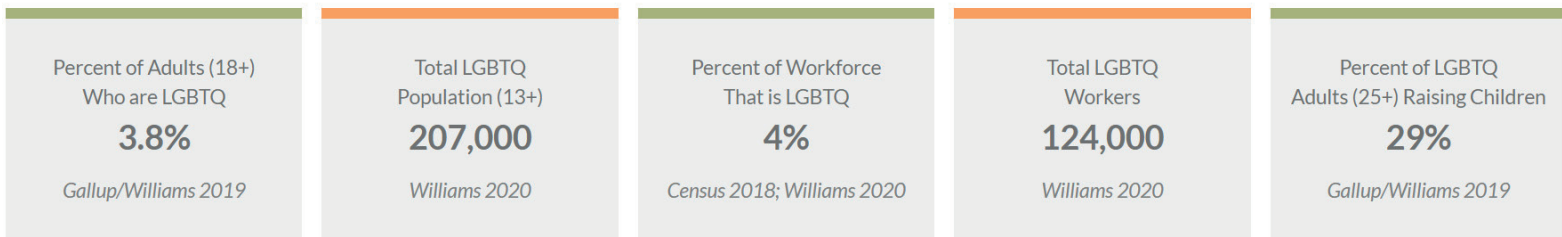
# Sexual Orientation

This map shows the estimated raw number of LGBT people (ages 13+) living in each state. The data are based on a [Williams Institute analysis](#) of surveys conducted by Gallup Polling (2012-2017) and the Centers for Disease Control and Prevention (CDC; 2015 and 2017 YRBS). For more information, see the methodology in the Williams analysis. (Source: [Movement Advancement Project | State Profiles \(lgbtmap.org\)](#) )

## Estimated Number of LGTB People (13+) Living in Each State



## Quick Facts About Wisconsin



Source: Movement Advancement Project

# Residential Segregation

Residential Segregation is the **index of dissimilarity** where higher values indicate greater residential segregation. Residential segregation is a key determinant of racial differences in socioeconomic mobility and, additionally, can create social and physical risks in residential environments that adversely affect health. In 2022, residential segregation between black and white residents increased in Waukesha County from 56 to 61.

## Residential Segregation – Black/White in Waukesha County and Wisconsin from 2019 to 2022

	2019	2020	2021	2022
<b>Wisconsin Range</b>	30 – 87	39 - 84	42 - 83	38-82
<b>Waukesha County</b>	57	57	56	61
<b>Wisconsin</b>	77	77	76	77

Source: County Health Rankings, 2016-2020

## Residential Segregation – Nonwhite/White in Waukesha County and Wisconsin from 2019 to 2022

	2019	2020	2021	2022
<b>Wisconsin Range</b>	11 – 67	7 – 63	5 – 60	5-69
<b>Waukesha County</b>	35	36	34	34
<b>Wisconsin</b>	56	55	55	54

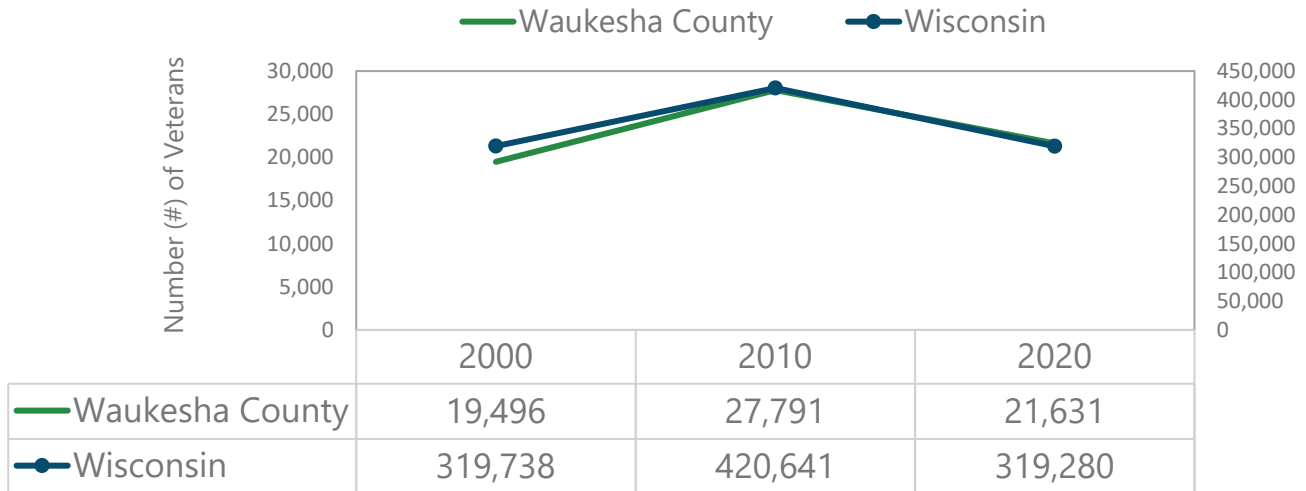
Source: County Health Rankings, 2016-2020



# Veterans

In Wisconsin and Waukesha County the number of Veterans increased from 2000 to 2010 and decreased from 2010 to 2020.

## Veteran Population in Wisconsin and Waukesha County from 2000, 2010, and 2020

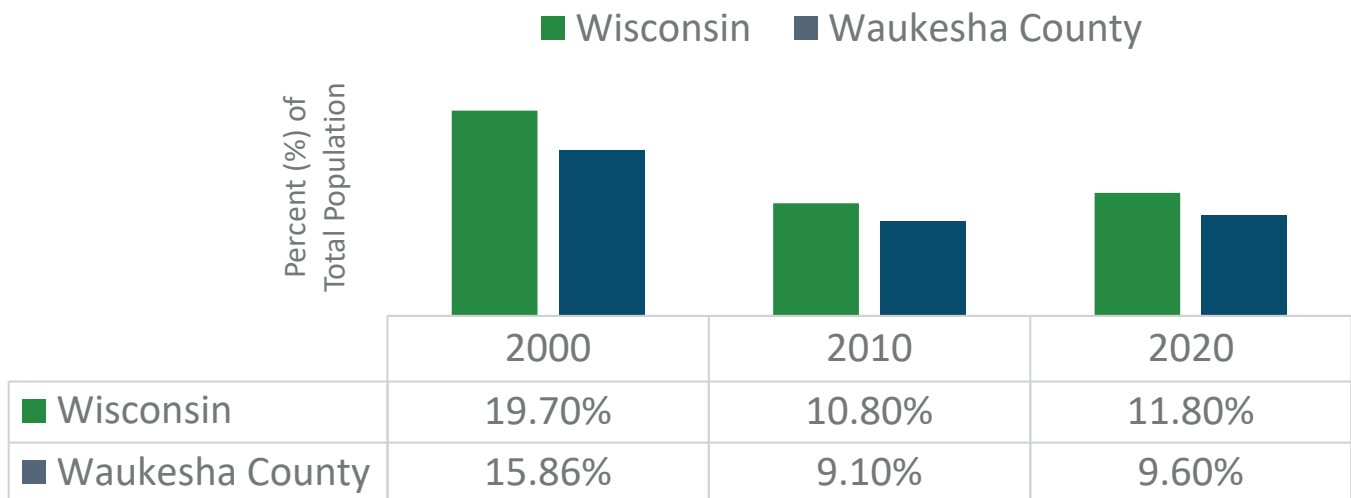


Source: US Census, American Community Survey

# Disability

The rate of individuals who are unable to engage in any meaningful activities by reason of any medical impairments. This can lead to death or last for a continuous period of time of no less than 12 months.

## Disability Rates in Wisconsin and Waukesha County from 2000, 2010, and 2020



Source: US Census, American Community Survey

## DOMAIN 2

Definition: Socioeconomic characteristics include measures that have been shown to affect health status, such as income, education, and employment, and the proportion of the population represented by various levels of these variables.



The percent of those 18-64 years old living in poverty in Waukesha County increased from slightly more than 40% in 2018 to slightly more than 10% in 2020, while the number of children living under 5 in poverty decreased from 6.5% to 5% during the same time period. Between 2015-2019, 100% of American Indian/ Alaska Native, 27% of African-American, and 22% of Hispanic children under age 5 lived in poverty compared to 5% of white children. Those aged 65 years and older living in poverty increased between 2019 (6%) and 2021 (18%).

There are 21% of Waukesha County that qualify for ALICE. The percent of adults aged 25 or older with a Bachelor's degree or higher in 2020 in Waukesha County was 45% compared to 30% for the state.

The unemployment rate for Waukesha County decreased from 6.70% in 2010 to 3.60% in 2020.

The number of violence crime incidents in Waukesha County increased from 220 in 2016 to 238 in 2020, with the greatest increase in aggravated assaults (118 and 193, respectively). Society crimes overall declined between 2016-2020.

ACEs in Waukesha County in 2013 were lower than those in the surrounding counties of Milwaukee, Racine, Walworth, and Jefferson, and were similar to Dodge and Washington counties. In Wisconsin, individuals of color and those earning <\$25,000 annually had higher ACE scores.

The median household income for Waukesha County in 2022 was \$92,400, which was almost \$30,000 higher than the household median income for the state. Women's median earnings in Waukesha County are \$54,046 compared to men at \$71,932 which is equivalent to \$0.75. Median earnings and the gender pay gap vary significantly by race and level of urbanization. Hispanic, American Indian/Alaska Native, and Black women, along with women living in rural areas earn the least across categories.

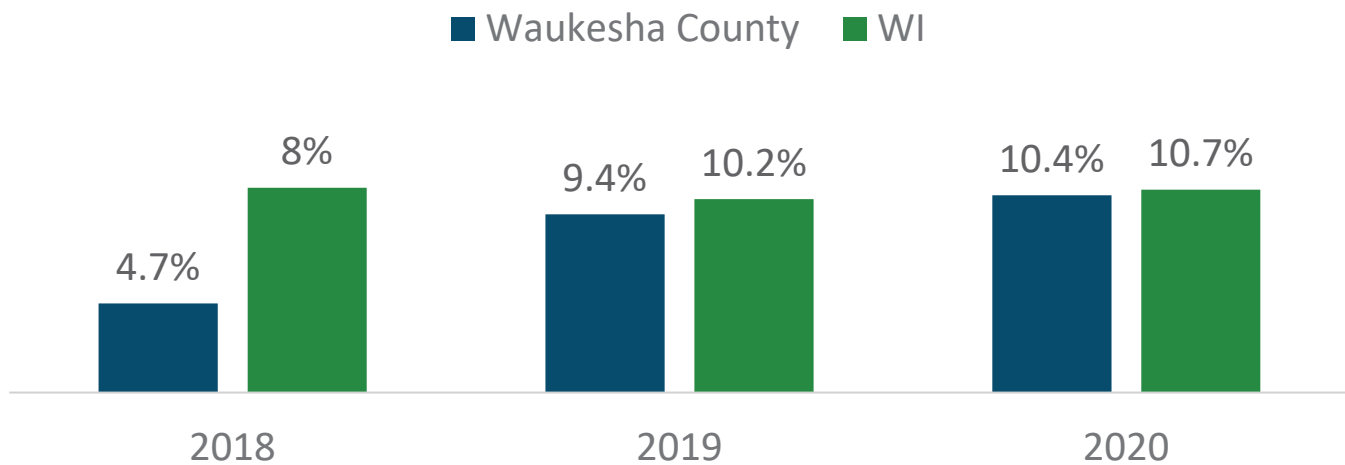
Between 2015-2019, the majority of Waukesha County's workforce (86%) drove along to work; greater than the state average of 81%. 10% of Waukesha County households spend more than 50% of their household income on housing, and the cost of an average/typical home in the county in 2020 was roughly \$50,000 higher than the average/typical home cost in the state.

Overall, the number of sheltered homeless persons has trended downward since 2018-2019. Most of these individuals are in emergency shelters, while a fraction are in Safe Have.

# Poverty: People 18 – 64 & Children Under 18

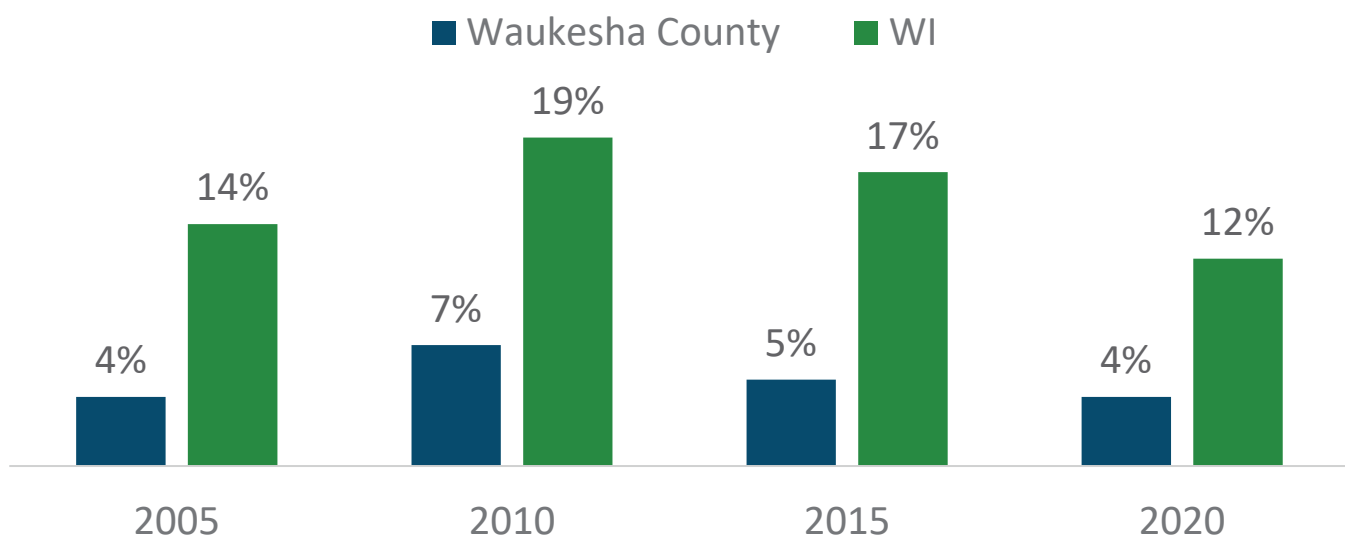
In Waukesha County, 4% of the total population is living in poverty. When identified by race, people who identify as American Indian in Waukesha County live in poverty at a higher rate (36%) as compared to other racial groups: American Indian: 36%, Black: 20%, Hispanic: 20%, White: 5%, Asian: 1%

**Percent of People 18-64 Living in Poverty in Waukesha County and Wisconsin in 2018, 2019, and 2020**



Source: US Census

**Percent of Children Under 18 Living in Poverty in Waukesha County and Wisconsin in 2018, 2019, and 2020**

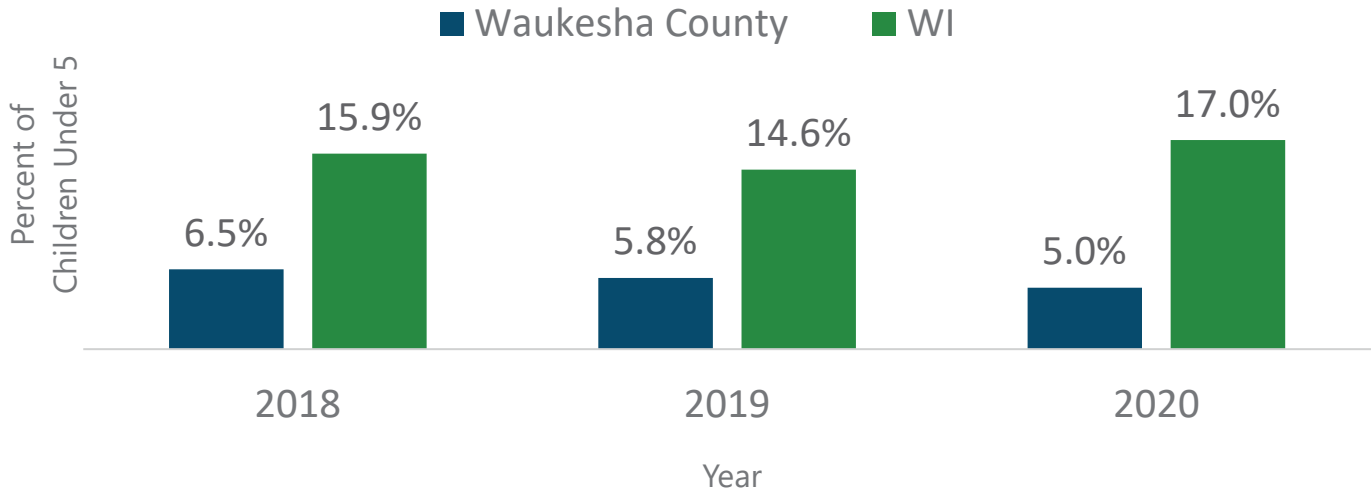


Source: County Health Rankings, 2022

# Poverty: Children Under 5

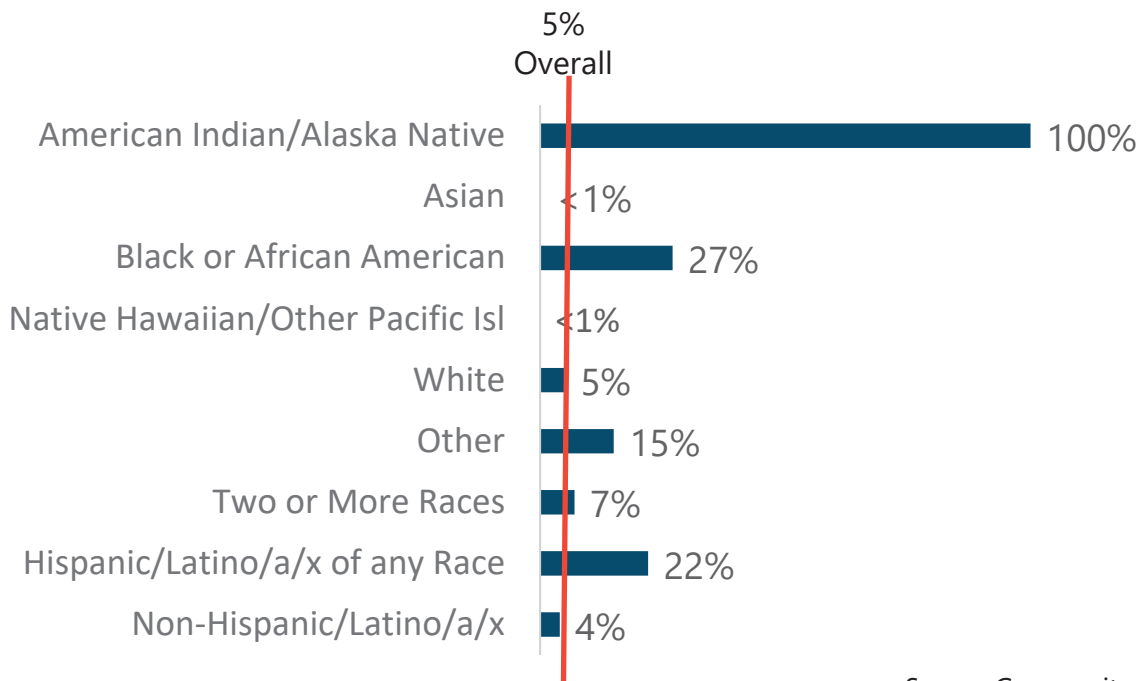
In Waukesha County 17% of children under 5 lived in poverty in 2020. Additionally, 100% of American Indian/Alaskan Native children under 5 live in poverty.

**Percent Children Under 5 Living in Poverty in Waukesha County and Wisconsin in 2018, 2019, and 2020**



Source: US Census

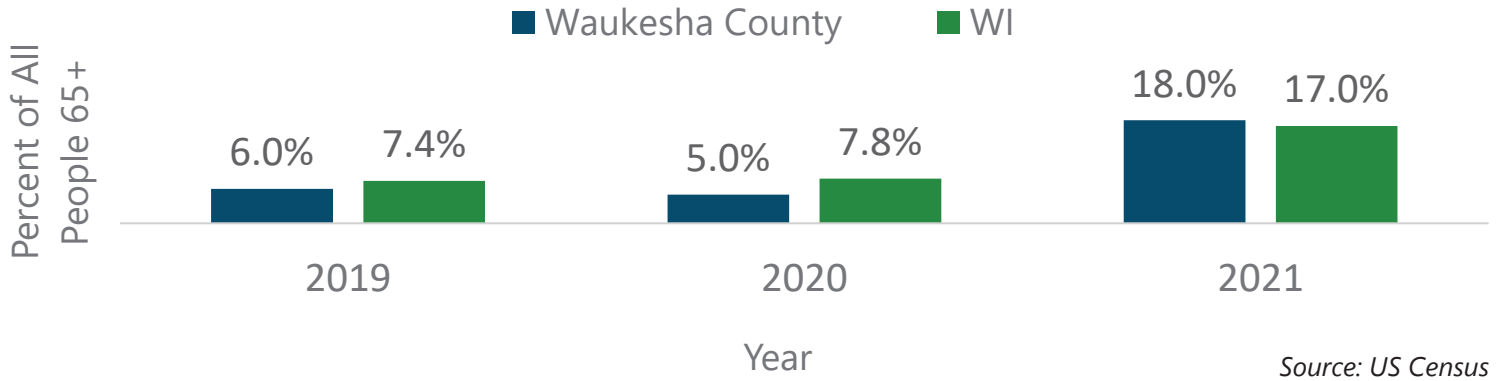
**Percent Children Under 5 Living in Poverty by Race/Ethnicity in Waukesha County**



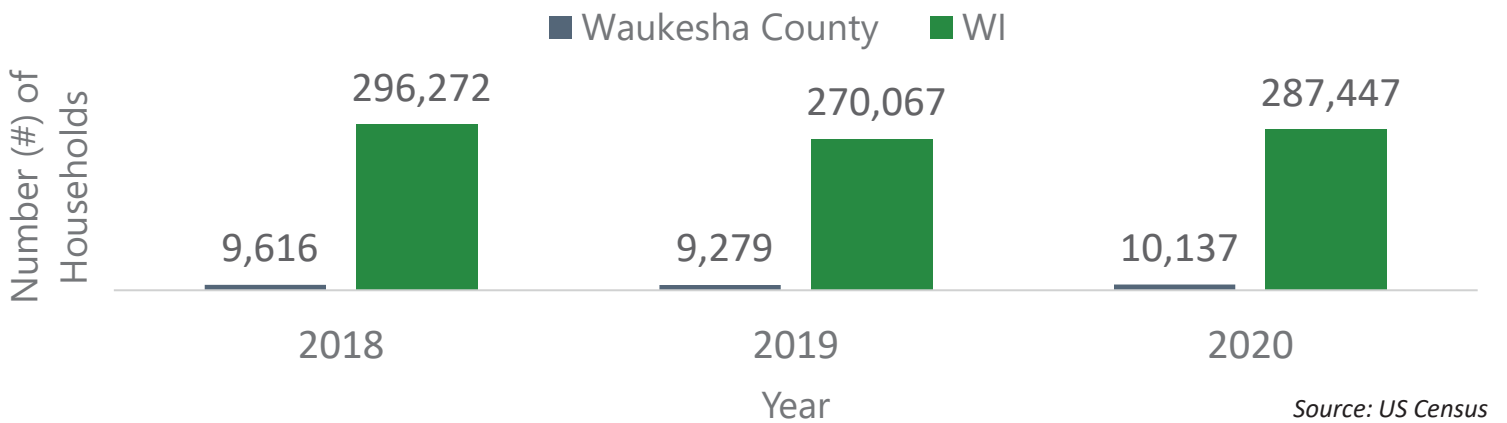
Source: Community Opportunity Map, 2015-2019

## Poverty: People 65+, Under 200% Poverty, Economic Support

**Percent People 65+ Living in Poverty in Waukesha County and Wisconsin in 2019, 2020, 2021**



**Number of Households Under 200% Poverty in Waukesha County and Wisconsin in 2018, 2019, and 2020**



**Total Waukesha County Economic Support Cases in 2016, 2017, and 2018**



# Waukesha County ALICE Data

ALICE is an acronym for Asset Limited, Income Constrained, Employed — households that earn more than the Federal Poverty Level, but less than the basic cost of living for the county (the ALICE Threshold). While conditions improved for some households from 2010 to 2018, many continued to struggle. Individuals who are single and cohabiting and those who are 65 and older have higher percentages of ALICE households.

The Waukesha County municipalities with the highest percentage of residents living in ALICE & Poverty households are Butler Village (58%), Brookfield (40%), and Pewaukee Village (40%).

**Waukesha County ALICE Households: 21%**  
**Wisconsin ALICE Households: 23%**

**Waukesha County Households in Poverty: 6%**  
**Wisconsin Households in Poverty: 11%**

## Labor Status, Population 16 and Over, Waukesha County, 2018



In 2018 Waukesha County’s labor status was made up of 26% full-time salary, 28% full-time hourly, 9% part-time hourly, 3% part-time salary, 11% not in labor force, and 18% retired people.

Source: ALICE Threshold 2010-2018; American Community Survey, 2010-2018

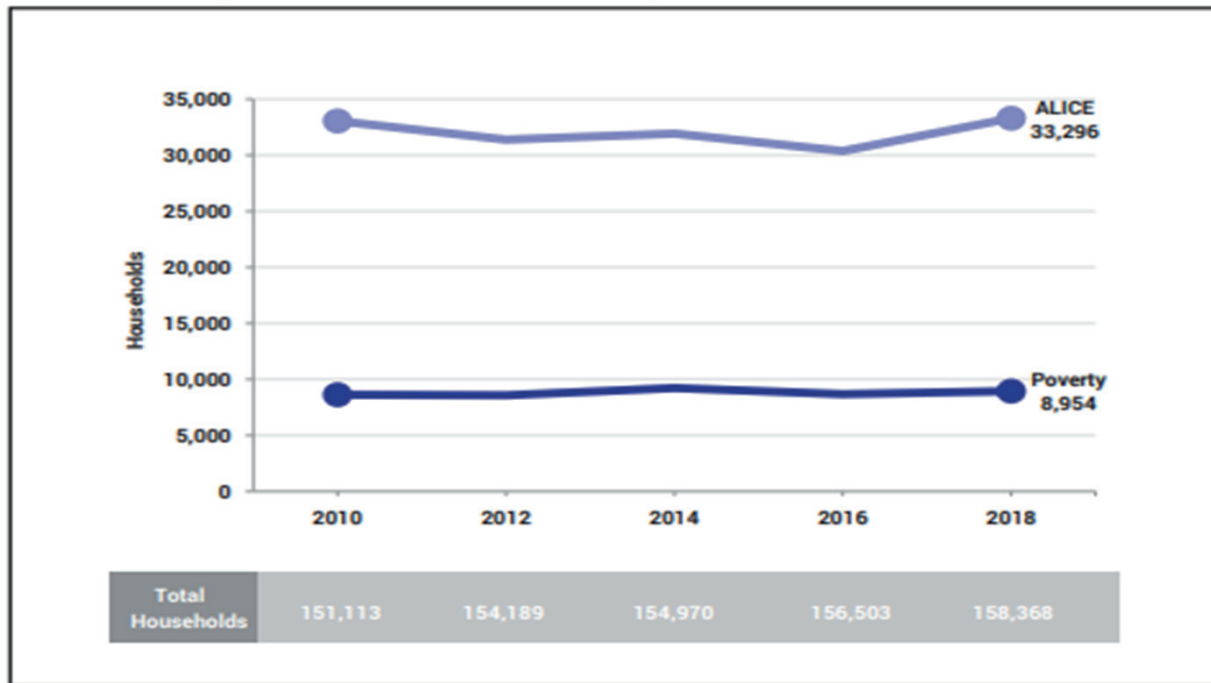
## % of Households Living in ALICE & Poverty Waukesha County, 2018

Waukesha County, 2018		
Town	Total HH	% ALICE & Poverty
Big Bend Village	513	28%
Brookfield	2,830	40%
Brookfield City	14,704	20%
Butler Village	902	58%
Chenequa Village	234	13%
Delafield	3,077	12%
Delafield City	3,193	27%
Dousman Village	931	38%
Eagle	1,231	16%
Eagle Village	718	24%
Elm Grove Village	2,293	25%
Genesee	2,646	19%
Hartland Village	3,546	30%
Lac La Belle Village	107	13%
Lannon Village	498	37%
Lisbon	4,037	22%
Menomonee Falls Village	15,052	29%
Merton	3,096	17%
Merton Village	1,150	11%
Mukwonago	2,893	14%
Mukwonago Village	3,034	31%
Muskego City	9,145	20%
Nashotah Village	468	23%
New Berlin City	16,685	28%
North Prairie Village	847	17%
Oconomowoc	3,241	20%
Oconomowoc City	6,743	29%
Oconomowoc Lake Village	215	13%
Ottawa	1,511	19%
Pewaukee City	5,616	15%
Pewaukee Village	3,915	40%
Summit Village	1,815	17%
Sussex Village	4,104	24%
Vernon	2,885	17%
Wales Village	922	22%
Waukesha	3,319	19%
Waukesha City	29,432	38%

Source: [Waukesha County Alice Report 2020](#)

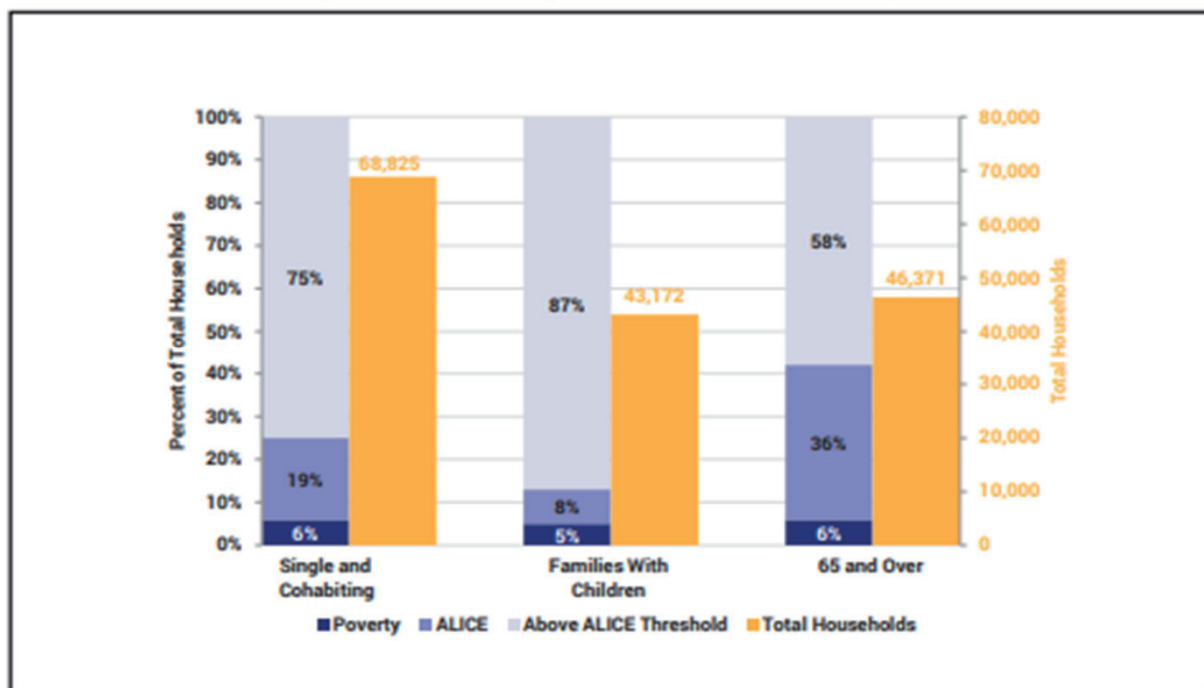
# Waukesha County ALICE Data, Households by Income

## Households by Income, Waukesha County, 2010 to 2018



Sources: ALICE Threshold, 2010-2018; American Community Survey, 2010-2018

## Household Income by Household Type, Waukesha County, 2018



Sources: ALICE Threshold, 2018; American Community Survey, 2018

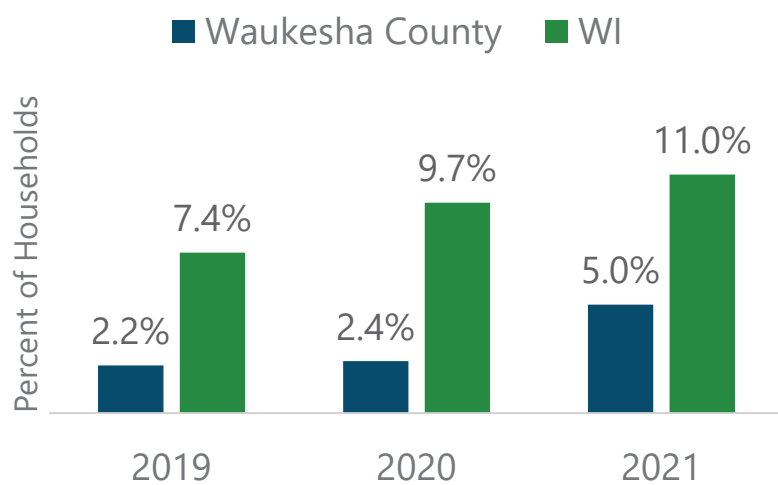
## Poverty & Food Access

**Percent of Children Eligible for Free and Reduced-Price Lunch in Waukesha County and Wisconsin**

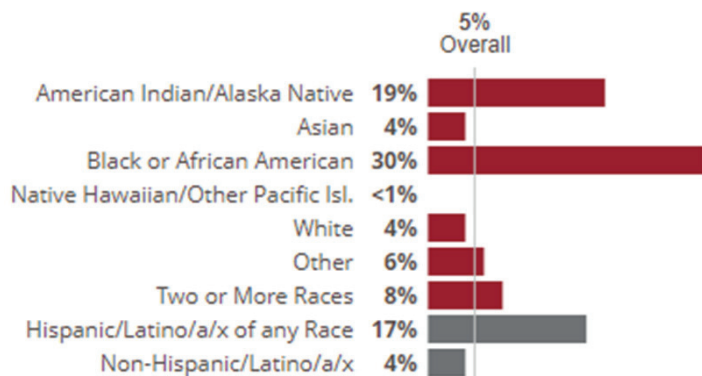


Source: County Health Rankings, 2019-2020

**Percent of Households that are Receiving Food Stamps/SNAP in Waukesha County and Wisconsin**

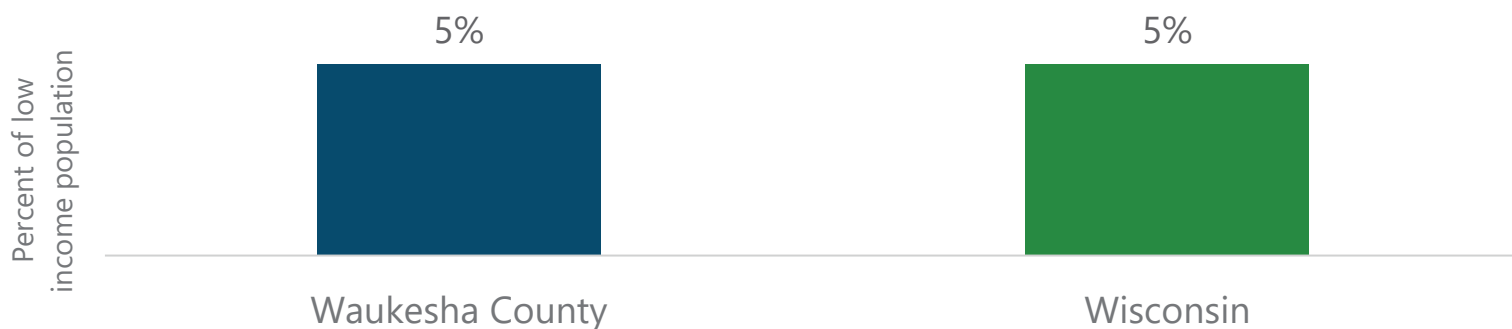


Source: US Census



Source: Community Opportunity Map, 2015-2019

**Percent of Population that are Low Income and Do Not Live Close to a Grocery Store in Waukesha County and Wisconsin**



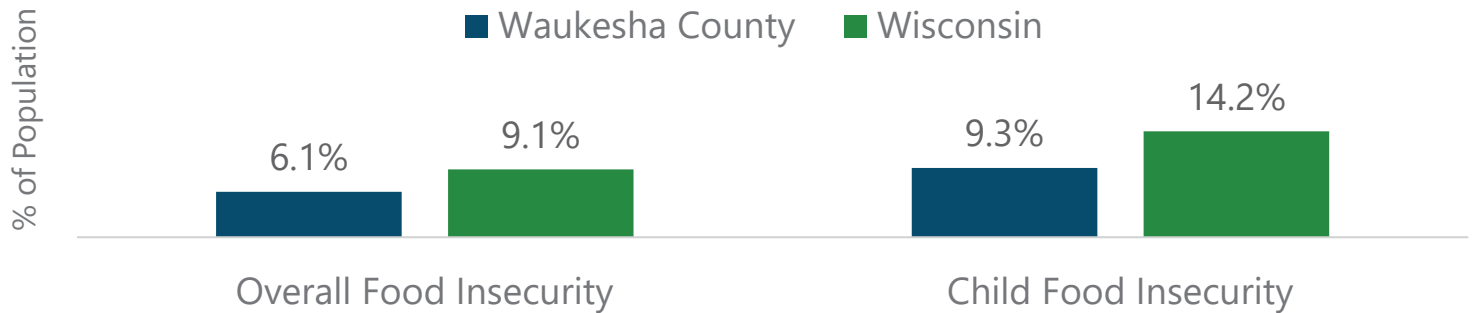
Source: 2022 County Health Rankings based on 2019 data



## Poverty & Food Access – Food Insecurity

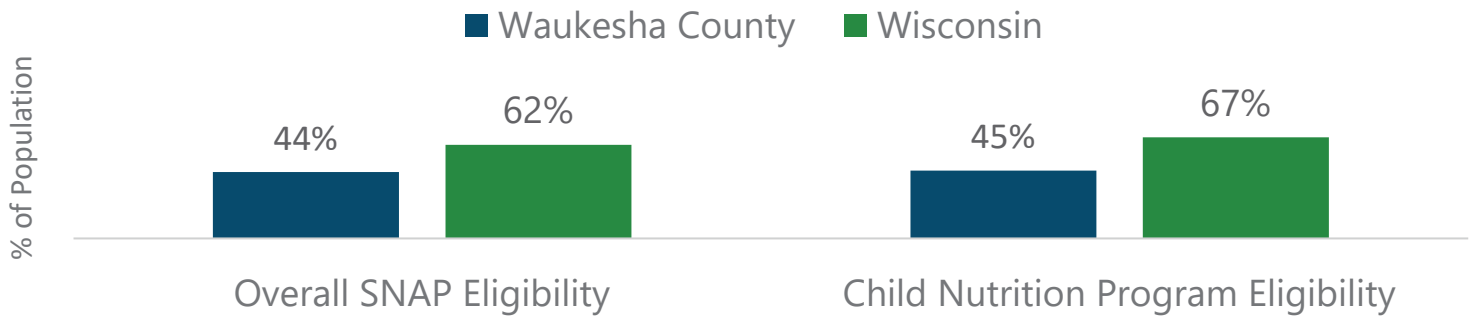
Food insecurity is defined as a lack of consistent access to enough food for every person in a household to live an active, healthy life. This can be a temporary situation for a household or can last a long time.

### Percent of Food Insecure Population in Waukesha County and Wisconsin



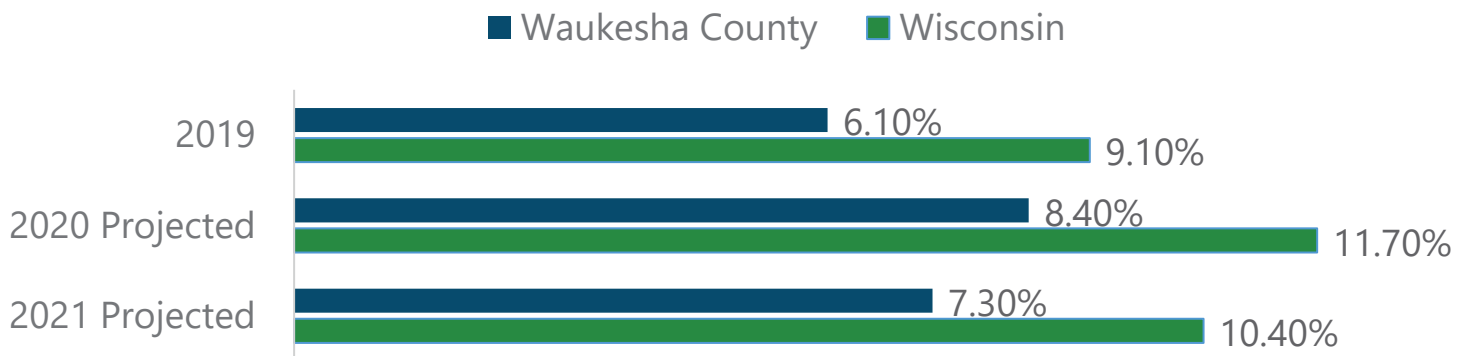
Source: Feeding America – Map the Meal Gap

### Percent of Food Insecure Population Eligible for Food Assistance in Waukesha County and Wisconsin



Source: Feeding America – Map the Meal Gap

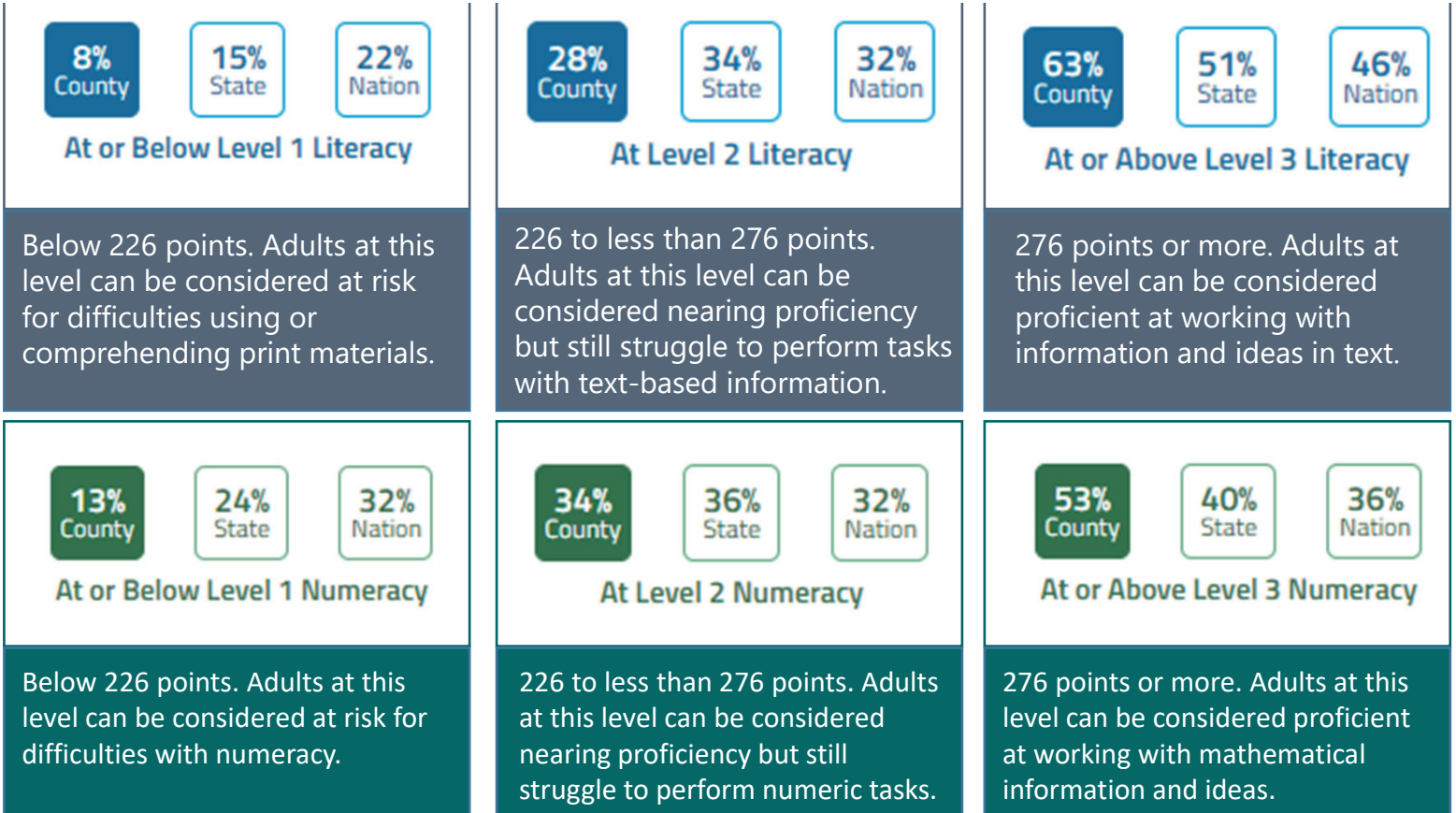
### Impact of Coronavirus on Overall Food Security in Waukesha County and Wisconsin



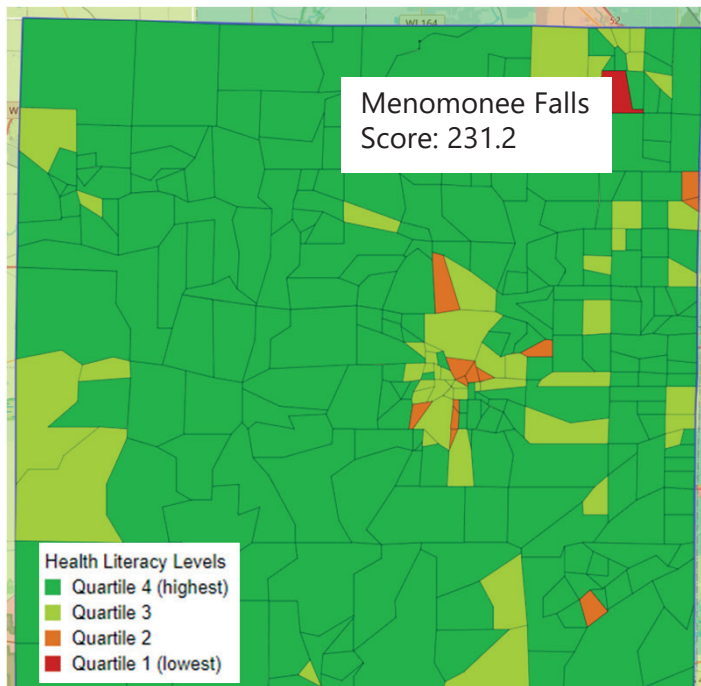
Source: Feeding America – Map the Meal Gap

# Literacy

In counties where at least 15% of the population have below basic literacy, many health, economic, and educational outcomes fall short such as unemployment, median income, high school degree, access to healthcare and poverty.



Source: National Center for Education Statistics, 2013-2017



## Health Literacy

The health literacy estimates range from 177 to 280, with higher numbers indicating higher health literacy.

Individuals living in communities with low literacy estimates may be more likely to have problems reading and understanding basic health information, like a pamphlet about a medical condition.

Those living in neighborhoods with higher literacy scores may be able to understand basic health information, but could have difficulty with more complex text, such as documents describing medication side effects or insurance coverage.

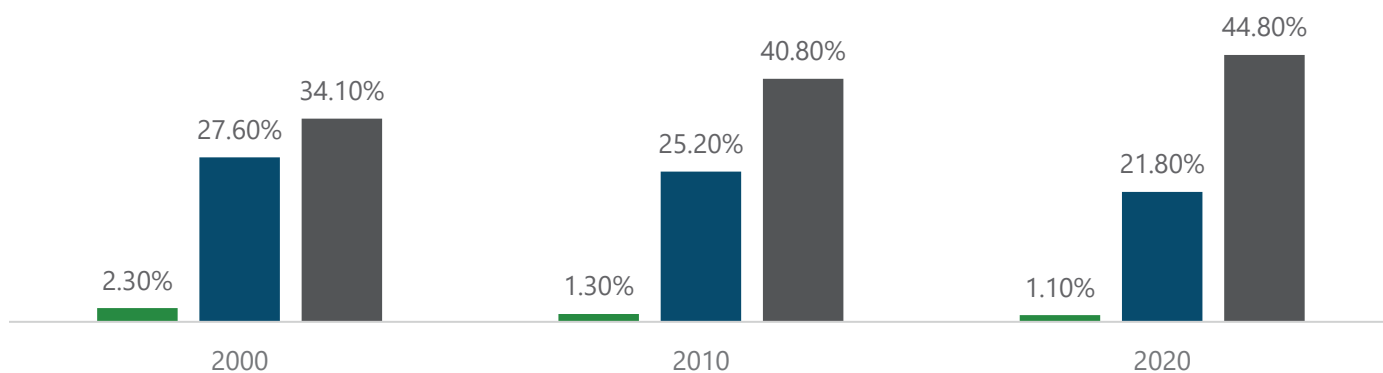
Source: National Health Literacy Mapping to Inform Health Care

## Education

In Waukesha County, the percent of adults aged 25 or older with a Bachelor’s degree or higher in 2020 was approximately 45% compared to 31% for the state.

### Education Attainment of Waukesha County

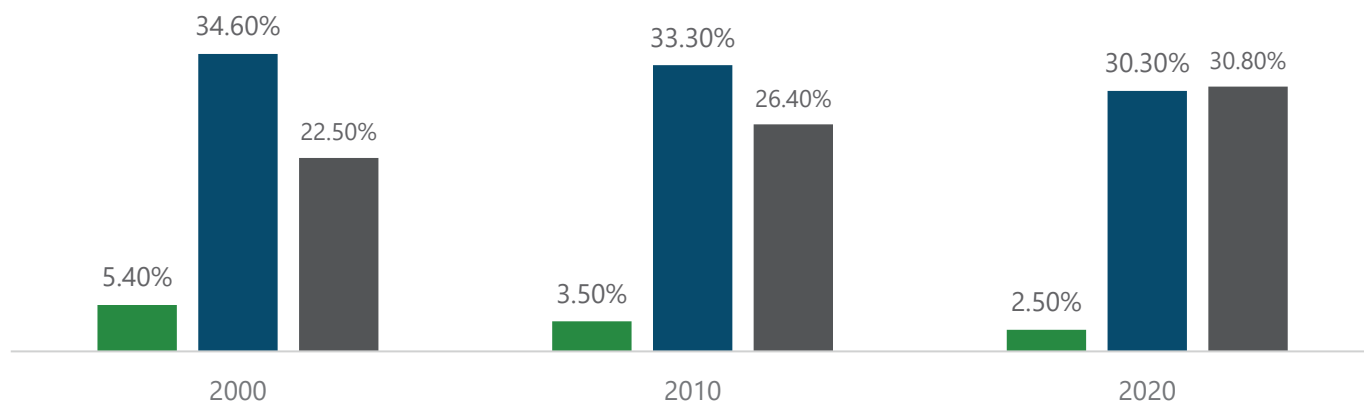
- Percent of Adults Ages 25 or older with less than a highschool education
- Percent of Adults Ages 25 or older with highschool diploma or GED
- Percent of Adults Ages 25 or older with bachelor's degree of higher



Source: US Census, American Community Survey

### Education Attainment of Wisconsin

- Percent of Adults Ages 25 or older with less than a highschool education
- Percent of Adults Ages 25 or older with highschool diploma or GED
- Percent of Adults Ages 25 or older with bachelor's degree of higher

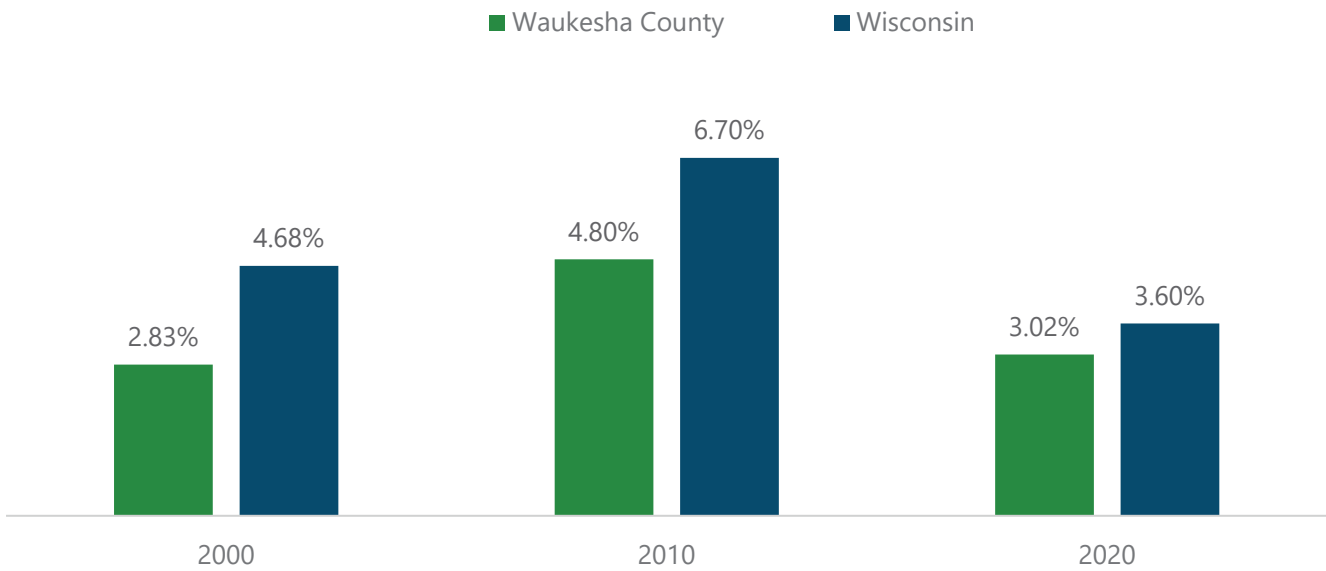


Source: US Census, American Community Survey

# Unemployment

The unemployment rate for Waukesha County and the state decreased to slightly more than 3% in 2020.

## Unemployment Rates in Waukesha County and Wisconsin



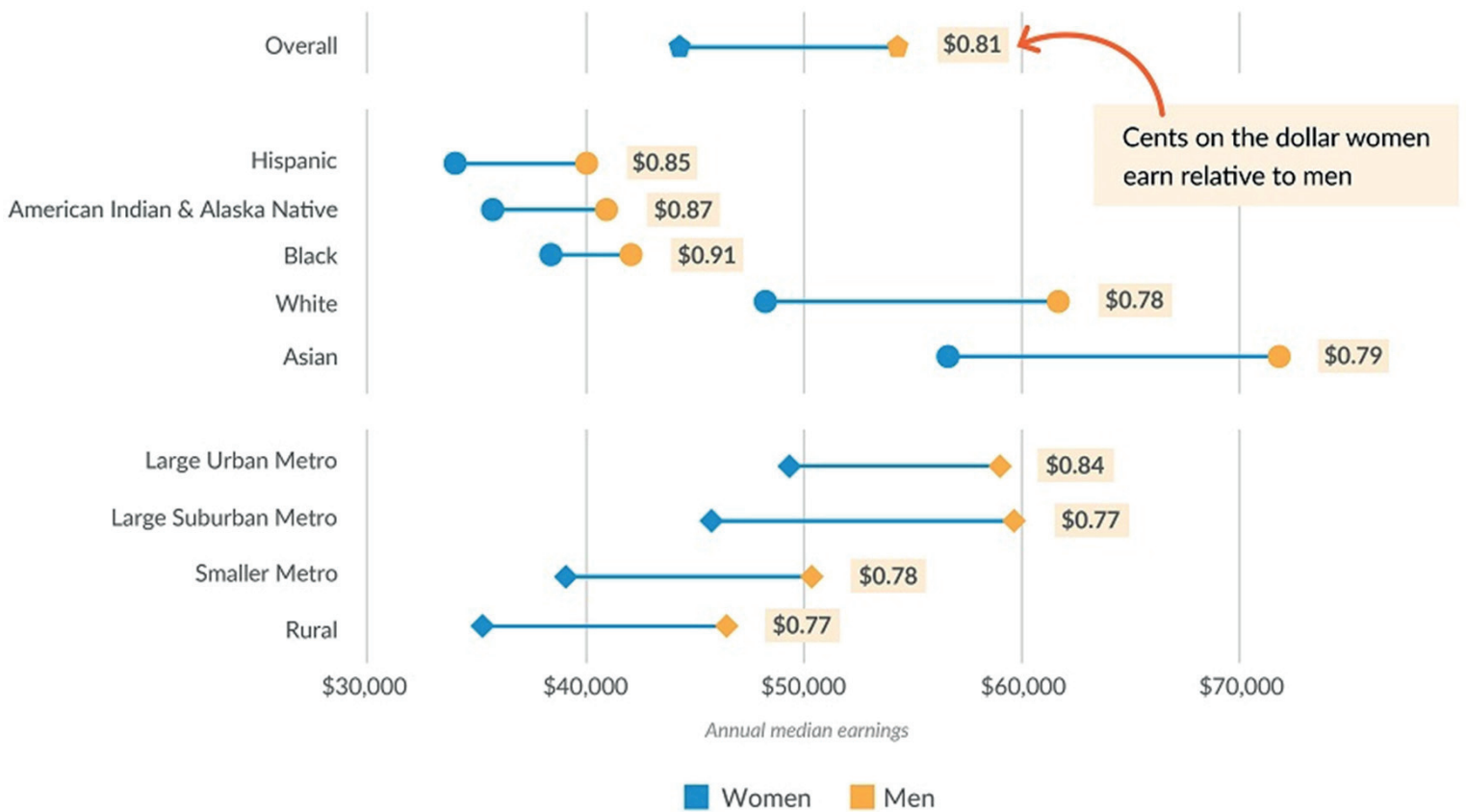
Source: US Census, American Community Survey

# Pay Gap

Pay gaps exist in Waukesha county. When looking at the pay gap between men and women across racial groups and level of urbanization, the largest gaps exist between men and women living in rural or suburban areas.

Median earnings and the gender pay gap vary significantly by race and level of urbanization. Hispanic, American Indian & Alaska Native, and Black women, along with women living in rural areas, earn the least across categories.

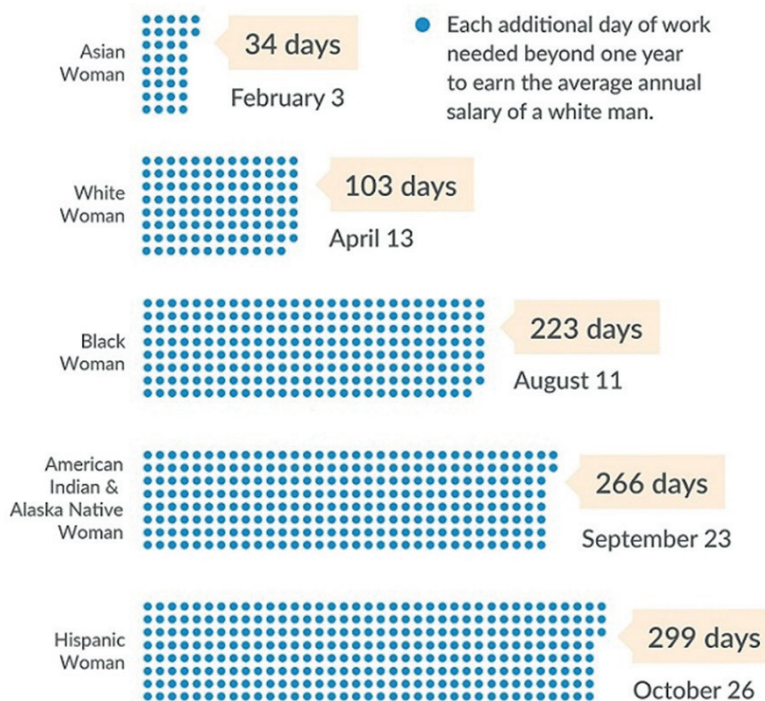
## Gender Pay Gap Between Men & Women in US by Race/Ethnicity and Urbanization, 2016-2020



Source: County Health Rankings, 2022 based on data from 2016-2020zz

# Pay Gap

## Equal Pay Day in US by Race/Ethnicity, Compared to White Men, 2016-2020



Women of all races and ethnicities must work several more days if not months more to earn the \$61,807 average annual salary of a white man. Hispanic women must work the longest — an additional 299 days, or nearly 10 months.

## Gender Pay Gap Among WI Counties, 2016-2020



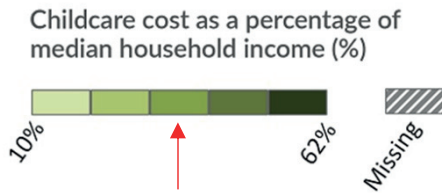
In Waukesha County, **the ratio of women's median earnings (\$54,046) to men's median earnings (\$71,932) for a full-time, year-round worker is \$0.75 (cents on the dollar).** This is compared to WI at \$0.80 (cents on the dollar).

Source: County Health Rankings, 2022 based on data from 2016-2020

# Childcare

- The average U.S. county has six childcare centers per 1,000 children under age 5. This is half of the number of centers in counties with the most access, at 12 or more childcare centers per 1,000 (90th percentile).
- There are no counties where childcare cost for two children is at or below the 7% benchmark. On average across counties in the U.S., a family with two children spends 25% of its household income on childcare, more than three times the 7% benchmark. Childcare cost burden is highest in large urban metro (27%) and rural counties (25%).

## 2021 Waukesha County Childcare Cost Burden

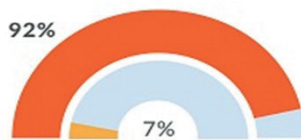


# 25%

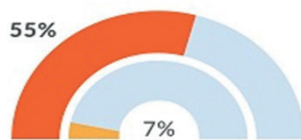
(WI: 26%)

**Childcare costs for a household with two children as a percent of median household income.**

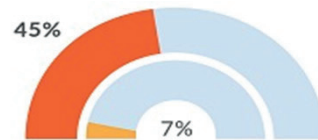
## 2021 Childcare Cost Burden by Income



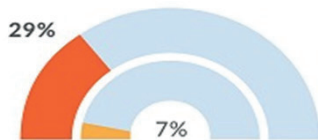
Federal Minimum Wage  
\$15,080



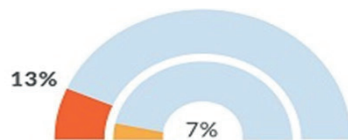
Childcare Provider (Average Salary)  
\$25,460



Single Female with Children  
\$30,681



Single Male with Children  
\$47,375



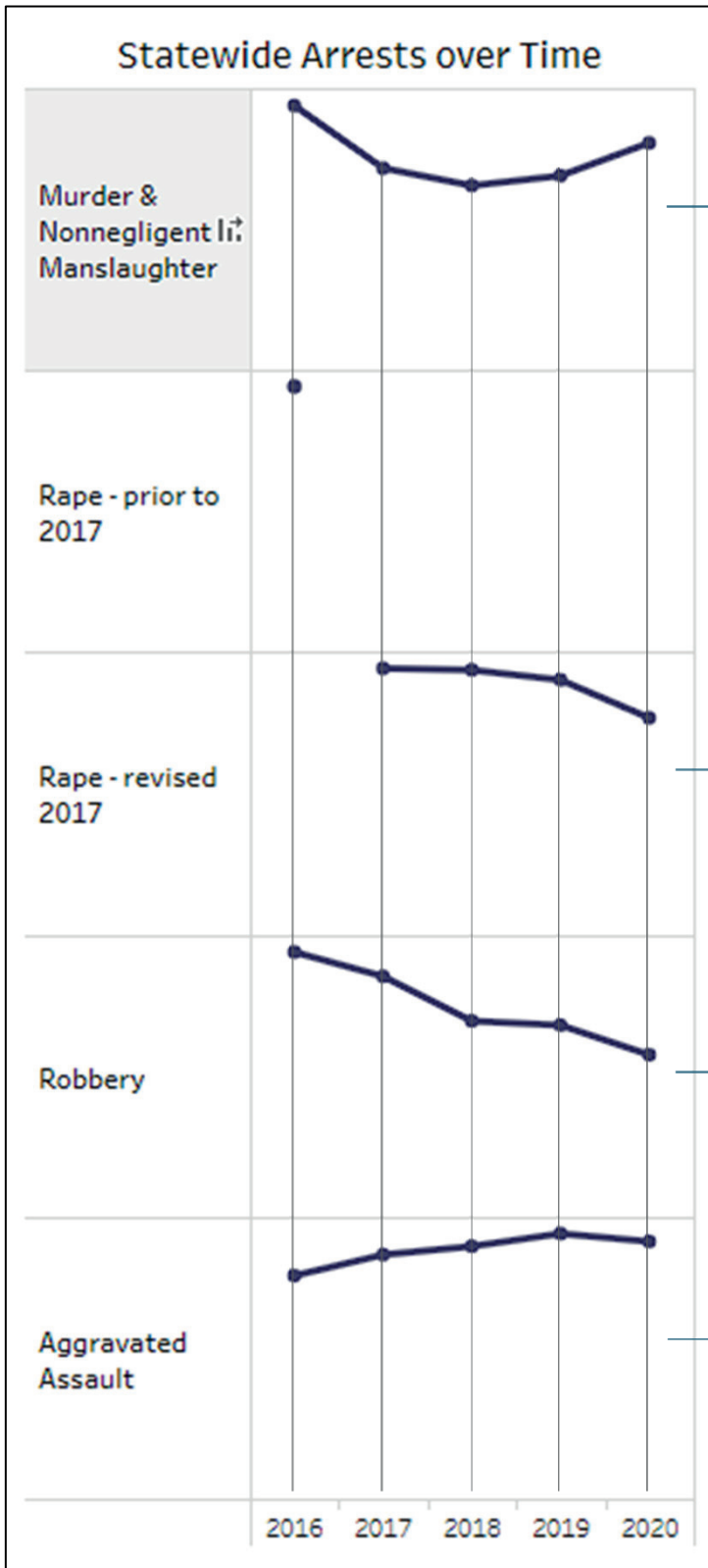
Married Couple with Children  
\$103,346

U.S. Department of Health and Human Services' affordability benchmark  
 Actual percentage of income based on the average U.S. childcare cost for two children (\$13,889, annually)

Source: County Health Rankings, 2022 based on 2020 & 2021 data

- For someone earning the federal \$7.25-an-hour minimum wage, the average cost of childcare across U.S. counties for two children is more than 90% of their annual income. The average childcare provider likely cannot afford their own services, which would consume over half their average \$25,460 annual income if they had two children.
- With a combined annual income of more than \$100,000, the average married couple with children pays nearly double the 7% benchmark for childcare. A single woman with children pays 45% of her annual \$30,681 salary toward childcare. A single man with children pays 29% of his annual \$47,375 salary toward childcare.

# Statewide Violent Crime, 2016-2020



**Observations**

**Murder & Nonnegligent Manslaughter – statewide has been on the rise since 2019**

**Rape – statewide has been on the decline since 2017**

**Robbery – statewide has been on the decline since 2016**

**Aggravated Assault – statewide has been on the rise since 2016**

Source: WI Department of Justice, 2022 [UCR Arrest Data \(Over Time\)](#)



# Waukesha Violent Crime 2016

**Arrests by Agency Table** - hover over any number in the table to see how many months of data were submitted

County	Agency Name	Murder & Nonnegl..	Rape - prior to ..	Robbery	Aggravat ed Assa..	Total
Waukesha	Big Bend PD	0	0	0	0	0
	Brookfield PD	0	0	8	8	16
	Brookfield Town PD	0	0	0	6	6
	Butler PD	0	0	0	0	0
	Chenequa PD	0	0	0	0	0
	Delafield PD	0	2	5	1	8
	Eagle PD	0	0	2	0	2
	Elm Grove PD	0	0	1	0	1
	Hartland PD	0	0	0	2	2
	Menomonee Falls PD	0	0	8	6	14
	Mukwonago PD	0	1	0	3	4
	Mukwonago Town PD	0	0	0	5	5
	Muskego PD	0	0	2	3	5
	New Berlin PD	1	1	3	5	10
	North Prairie	0	0	0	0	0
	Oconomowoc Lake PD	0	0	0	0	0
	Oconomowoc PD	2	0	1	5	8
	Oconomowoc Town PD	0	0	1	2	3
	Pewaukee PD	0	1	0	3	4
	Summit PD	0	0	0	0	0
	Waukesha Co SO	19	7	17	33	76
	Waukesha PD	2	15	3	36	56
	<b>Total</b>	<b>24</b>	<b>27</b>	<b>51</b>	<b>118</b>	<b>220</b>

Source: WI Department of Justice, 2022  
[\(UCR Arrest Data by Location\)](#)

### Table Key

- Murder & Nonnegligent Manslaughter
- Rape - Revised 2017
- Robbery
- Aggravated Assault

# Waukesha Violent Crime 2020

**Arrests by Agency Table** - hover over any number in the table to see how many months of data were submitted

County	Agency Name	Murder & Nonnegl..	Rape - revised ..	Robbery	Aggravat ed Assa..	Total
Waukesha	Big Bend PD	0	0	0	1	1
	Brookfield PD	0	5	6	28	39
	Brookfield Town PD	0	0	1	5	6
	Butler PD	0	0	0	0	0
	Chenequa PD	0	0	0	0	0
	Delafield PD	0	0	0	4	4
	Eagle PD	0	0	0	0	0
	Elm Grove PD	0	0	0	0	0
	Hartland PD	0	0	0	2	2
	Menomonee Falls PD	2	0	5	8	15
	Mukwonago PD	0	0	0	4	4
	Mukwonago Town PD	0	1	0	4	5
	Muskego PD	0	0	1	5	6
	New Berlin PD	0	2	0	5	7
	North Prairie	0	0	0	1	1
	Oconomowoc Lake PD	0	0	0	0	0
	Oconomowoc PD	0	0	0	7	7
	Oconomowoc Town PD	0	0	0	4	4
	Pewaukee PD	0	0	0	6	6
	Summit PD	0	0	0	0	0
	Waukesha Co SO	2	0	1	54	57
Waukesha PD	2	7	10	55	74	
	<b>Total</b>	<b>6</b>	<b>15</b>	<b>24</b>	<b>193</b>	<b>238</b>

Source: WI Department of Justice, 2022  
([UCR Arrest Data by Location](#))

### Table Key

- Murder & Nonnegligent Manslaughter
- Rape - Revised 2017
- Robbery
- Aggravated Assault

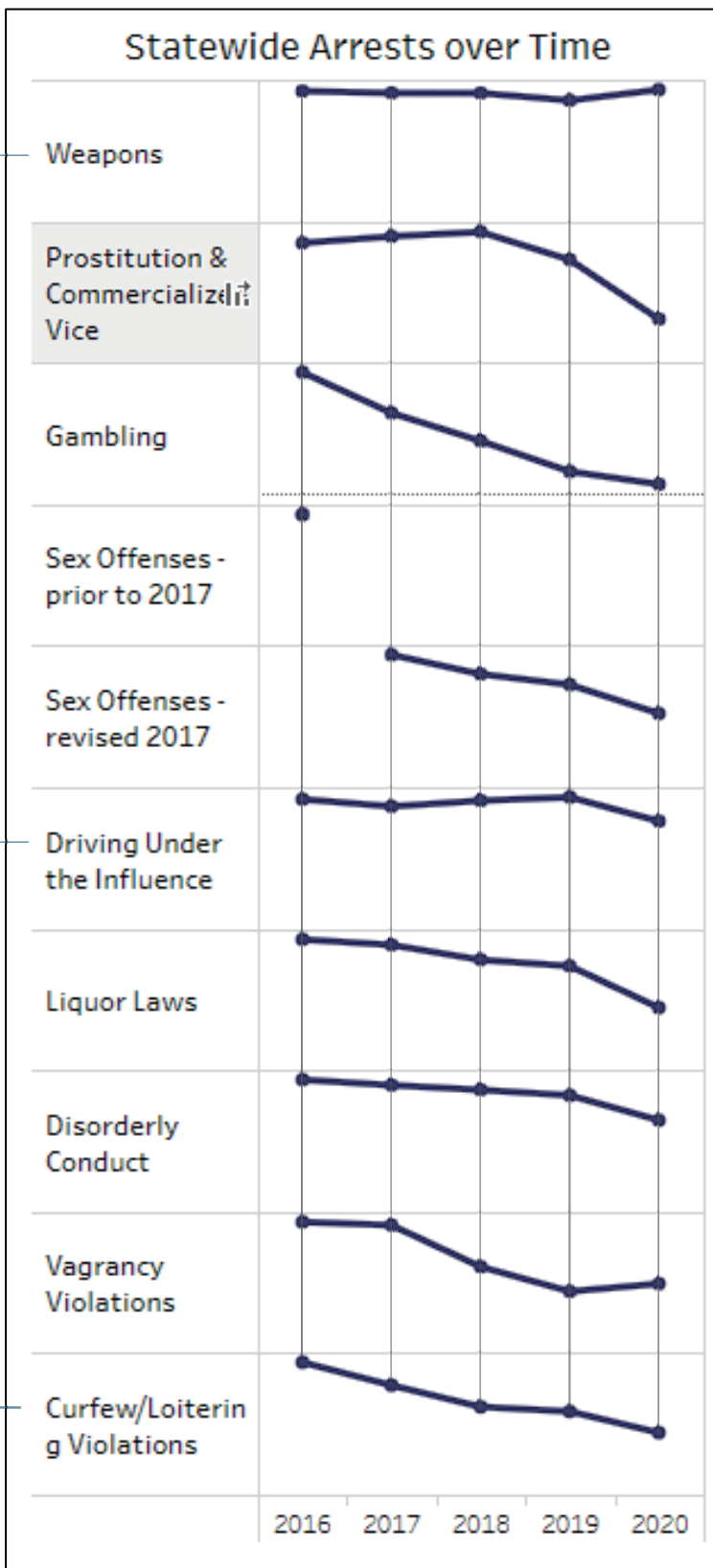
# Statewide Society Crime 2016-2020

## Observations

**Weapons – statewide has been on the increase since 2019**

**Driving Under the Influence – statewide has been on the decline since 2019**

**Curfew/Loitering Violations – statewide has been on the decline since 2016**



Source: WI Department of Justice, 2022  
[UCR Arrest Data \(Over Time\)](#)

# Waukesha Society Crime 2016

**Arrests by Agency Table** - hover over any number in the table to see how many months of data were submitted

County	Agency Name	Weapons	Prostitution & Co..	Gambling	Driving Under th..	Liquor Laws	Disorderly Conduct	Vagrancy Violations	Curfew/Loiterin..	Sex Offense..	Total
Waukesha	Big Bend PD	0	0	0	17	3	3	0	0	1	24
	Brookfield PD	16	4	0	240	2	88	0	4	1	355
	Brookfield Town PD	2	1	0	48	6	29	0	1	2	89
	Butler PD	1	0	0	7	0	17	0	0	1	26
	Chenequa PD	0	0	0	12	0	1	0	0	0	13
	Delafield PD	3	1	0	74	5	20	0	0	3	106
	Eagle PD	0	0	0	4	13	10	0	0	0	27
	Elm Grove PD	7	0	0	38	1	14	0	1	1	62
	Hartland PD	0	0	0	26	0	24	1	1	0	52
	Menomonee Falls PD	12	2	0	114	65	95	0	6	10	304
	Mukwonago PD	1	0	0	30	4	23	0	2	1	61
	Mukwonago Town PD	3	0	0	29	2	12	0	0	0	46
	Muskego PD	3	2	0	94	3	30	0	0	1	133
	New Berlin PD	13	0	0	130	5	59	0	1	8	216
	North Prairie	0	0	0	5	2	7	0	0	0	14
	Oconomowoc Lake PD	0	0	0	1	0	0	0	0	0	1
	Oconomowoc PD	1	0	0	36	34	70	3	9	0	153
	Oconomowoc Town PD	0	0	0	44	17	6	0	0	0	67
	Pewaukee PD	0	0	0	39	32	49	1	10	1	132
	Summit PD	1	0	0	13	3	13	0	0	1	31
Waukesha Co SO	40	17	1	630	52	267	0	12	16	1,035	
Waukesha PD	30	4	0	352	170	473	0	5	15	1,049	
<b>Total</b>		<b>133</b>	<b>31</b>	<b>1</b>	<b>1,983</b>	<b>419</b>	<b>1,310</b>	<b>5</b>	<b>52</b>	<b>62</b>	<b>3,996</b>

Source: WI Department of Justice, 2022  
[\(UCR Arrest Data by Location\)](#)

### Table Key

- Weapons
- Prostitution & Commercialized Vice
- Gambling
- Driving Under the Influence\*
- Liquor Laws
- Disorderly Conduct
- Vagrancy Violations
- Curfew/Loitering Violations
- Sex Offenses - revised 2017

# Waukesha Society Crime 2020

Arrests by Agency Table - hover over any number in the table to see how many months of data were submitted

County	Agency Name	Weapons	Prostitution & Co..	Gambling	Driving Under th..	Liquor Laws	Disorderly Conduct	Vagrancy Violations	Curfew/Loiterin..	Sex Offense..	Total
Waukesha	Big Bend PD	4	0	0	36	7	3	0	0	0	50
	Brookfield PD	21	0	0	138	6	120	0	0	2	287
	Brookfield Town PD	3	1	0	26	1	29	0	0	1	61
	Butler PD	3	0	0	19	0	10	0	0	1	33
	Chenequa PD	0	0	0	4	0	0	0	0	0	4
	Delafield PD	4	0	0	27	0	18	0	0	1	50
	Eagle PD	1	0	0	3	1	2	0	0	0	7
	Elm Grove PD	5	0	0	22	5	18	0	8	0	58
	Hartland PD	2	0	0	19	0	15	0	0	1	37
	Menomonee Falls PD	18	0	0	68	17	80	0	4	6	193
	Mukwonago PD	0	0	0	18	10	23	1	5	0	57
	Mukwonago Town PD	0	0	0	9	9	4	0	0	0	22
	Muskego PD	8	0	0	62	2	20	0	0	0	92
	New Berlin PD	9	2	0	103	1	43	1	0	0	159
	North Prairie	0	0	0	0	0	0	0	0	0	0
	Oconomowoc Lake PD	0	0	0	4	0	0	0	0	0	4
	Oconomowoc PD	3	0	0	47	22	53	0	15	0	140
	Oconomowoc Town PD	0	0	0	48	21	17	0	0	0	86
	Pewaukee PD	2	0	0	25	4	29	0	0	2	62
	Summit PD	0	0	0	22	0	8	0	0	0	30
Waukesha Co SO	9	0	0	329	13	237	1	5	4	598	
Waukesha PD	45	1	0	308	45	303	0	9	12	723	
<b>Total</b>		<b>137</b>	<b>4</b>	<b>0</b>	<b>1,337</b>	<b>164</b>	<b>1,032</b>	<b>3</b>	<b>46</b>	<b>30</b>	<b>2,753</b>

Source: WI Department of Justice, 2022  
[UCR Arrest Data by Location](#)

## Table Key

- Weapons
- Prostitution & Commercialized Vice
- Gambling
- Driving Under the Influence\*
- Liquor Laws
- Disorderly Conduct
- Vagrancy Violations
- Curfew/Loitering Violations
- Sex Offenses - revised 2017

# Trauma (ACEs)

Adverse childhood experiences, or ACEs, are potentially traumatic events that occur in childhood (0-17 years). For example: experiencing violence, abuse, or neglect, witnessing violence in the home or community, having a family member attempt or die by suicide.

Also included are aspects of the child’s environment that can undermine their sense of safety, stability, and bonding, such as growing up in a household with substance use problems, mental health problems, instability due to parental separation or household members being in jail or prison.

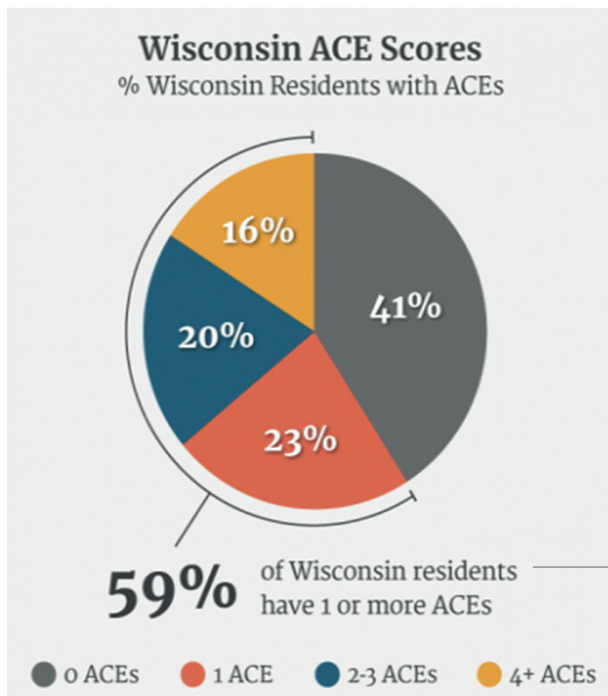
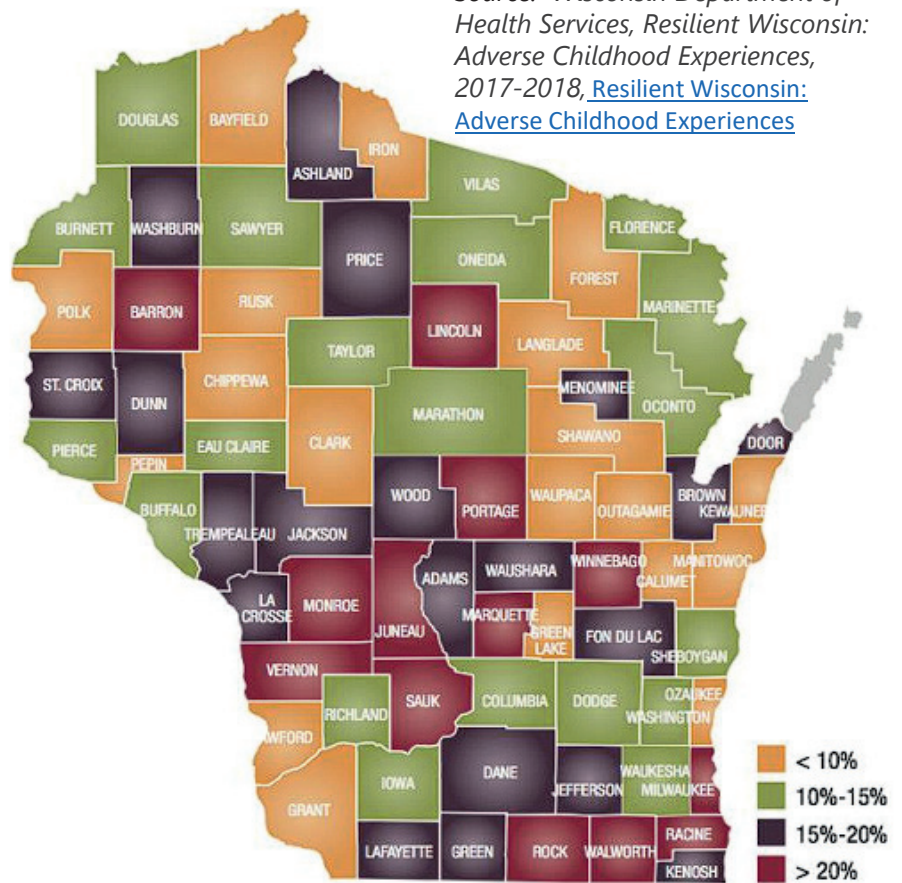
Please note the examples above are not a complete list of adverse experiences. Many other traumatic experiences could impact health and wellbeing.(CDC)

## Adverse Childhood Experiences (ACEs) in Wisconsin in 2013

### ACEs are associated with:

- Mental Health Outcomes
- Health Risk Behaviors
- Physical Health Outcomes
- Socioeconomic Status
- Medicaid/Badger Care Enrollment
- Quality of Life

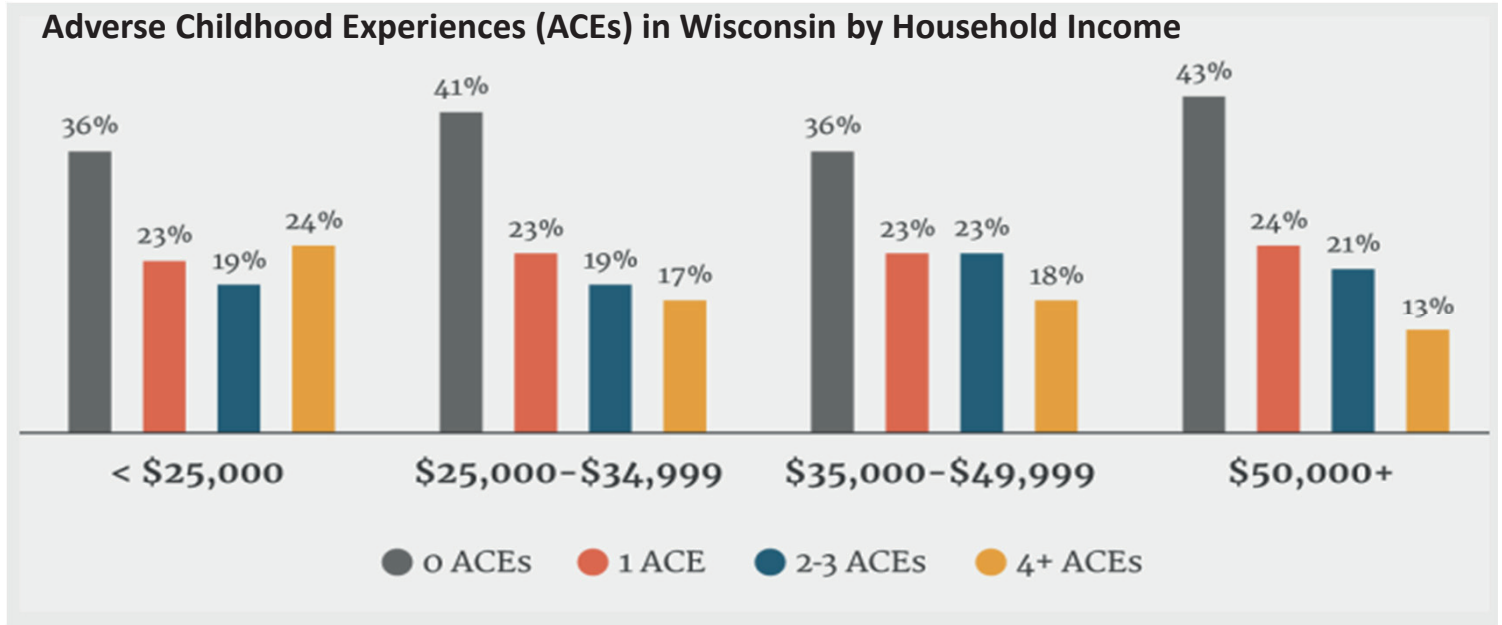
Source: Wisconsin Department of Health Services, Resilient Wisconsin: Adverse Childhood Experiences, 2017-2018, [Resilient Wisconsin: Adverse Childhood Experiences](#)



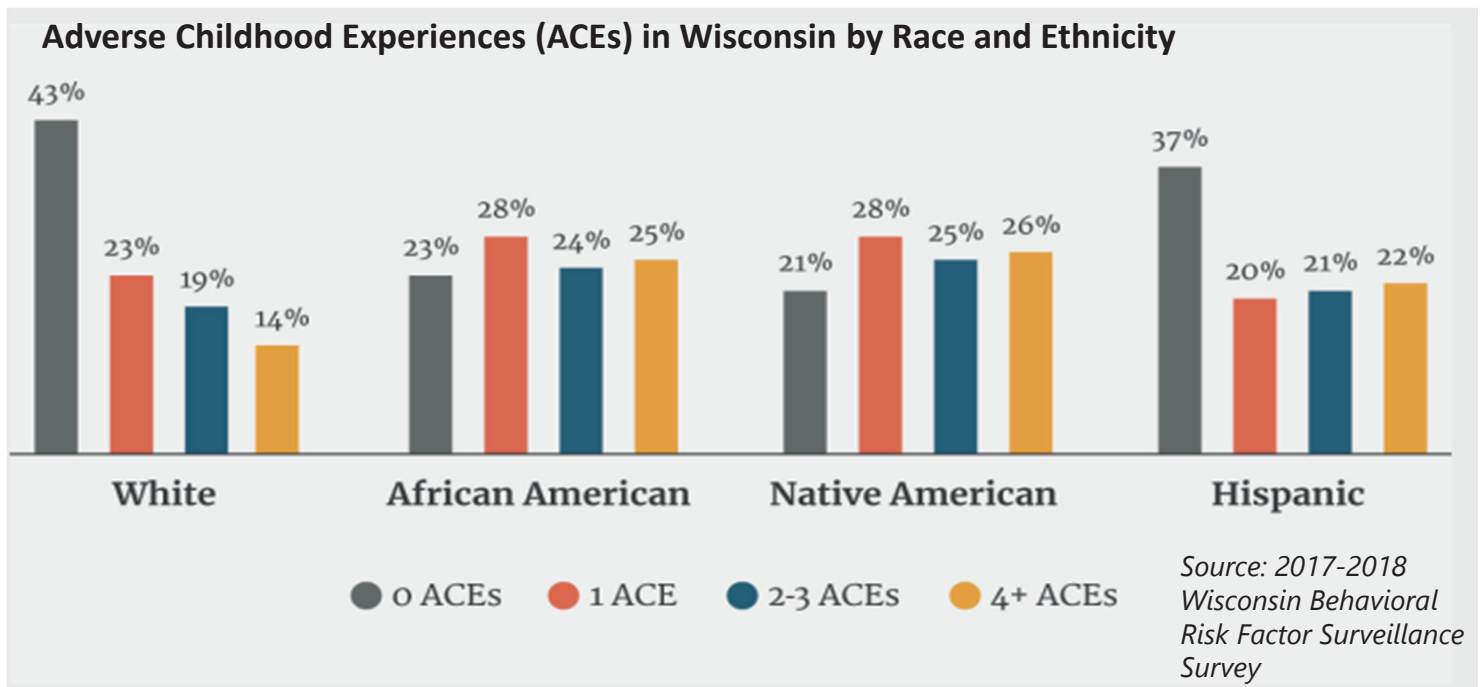
In Wisconsin, nearly 60% of adults say they experienced at least one ACE while growing up, while 16% report an ACEs score of 4 or more.

## Trauma (ACEs)

There is a clear connection between ACEs and economic stability. In Wisconsin, individuals who earn less than \$25,000 each year are two times more likely than those with a household income of at least \$50,000 to have an ACEs score of four or more.

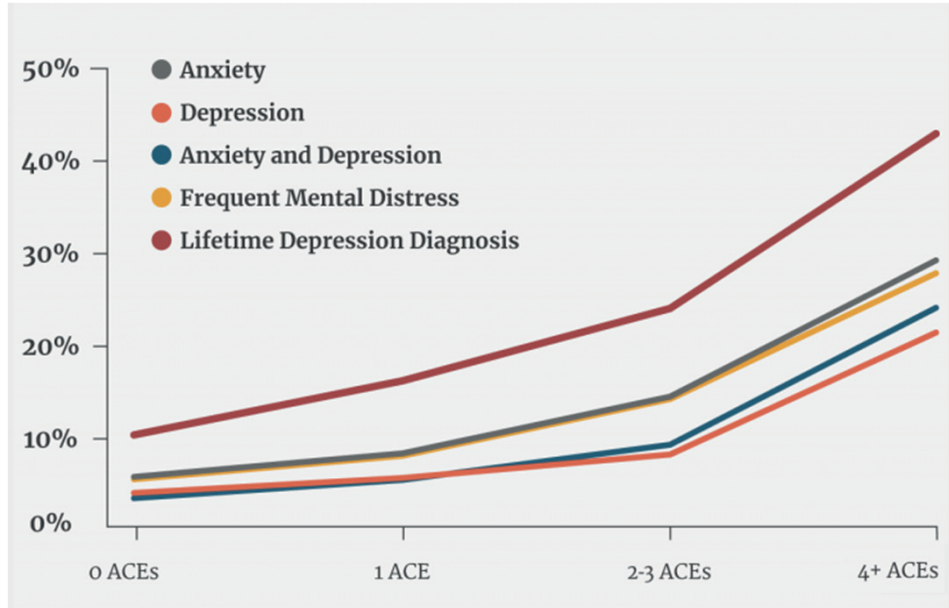


Some racial or ethnic populations in Wisconsin experience higher ACEs scores than others. These numbers do not account for racial or ethnic sub-populations, like lesbian, gay, bisexual, transgender, or queer (LGBTQ) communities of color. Members of such sub-populations may face a higher risk for ACEs or may have higher ACEs scores.



# Trauma (ACEs)

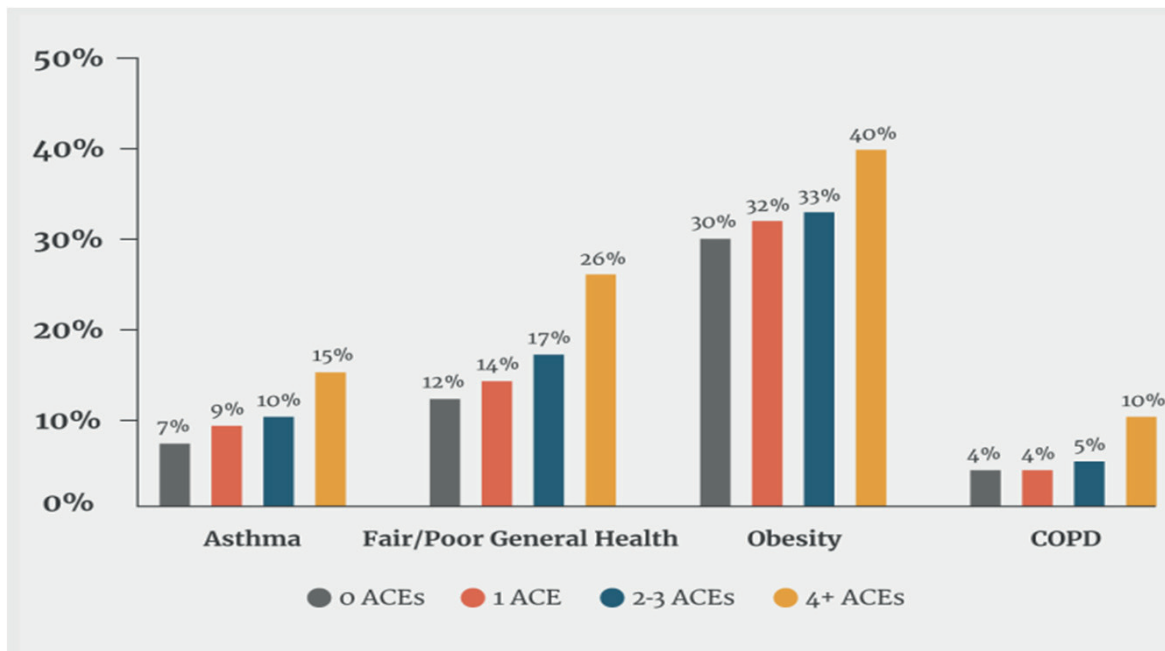
## Adverse Childhood Experiences (ACEs) Score of Wisconsin Residents living with mental or physical health conditions



Early adversity is linked to poor health later in life. When we examine the ACEs scores of Wisconsin residents living with mental or physical health conditions, we see that, in nearly every case, rates of negative health outcomes rise as individuals' ACEs scores increase.

Source: 2017-2018 Wisconsin Behavioral Risk Factor Surveillance Survey

## Percentage of People Living with Chronic Conditions Based on Adverse Childhood Experiences (ACEs) Score in Wisconsin



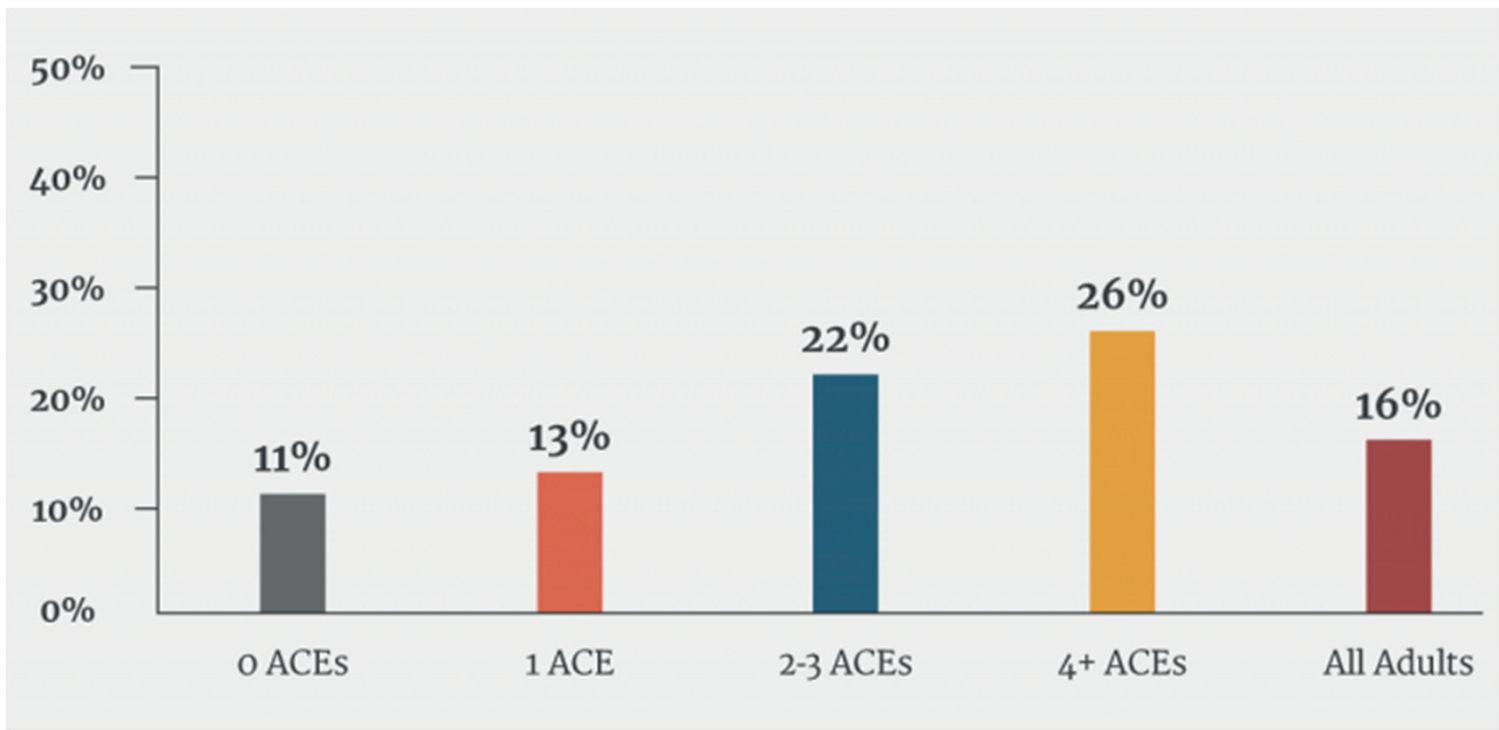
Source: 2017-2018 Wisconsin Behavioral Risk Factor Surveillance Survey



## Trauma (ACEs)

People in Wisconsin with an ACEs score of four or higher are more than two times as likely to have used a prescription opioid in the last 12 months than individuals with zero ACEs.

### Percentage of People who Used a Prescribed Opioid Pain Reliever in the Past Year by Number of Adverse Childhood Experiences (ACEs) in Wisconsin



Source: 2017-2018 Wisconsin Behavioral Risk Factor Surveillance Survey

# Violence

In 2020, 6% of respondents reported someone made them afraid for their personal safety in the past year; respondents 18 to 44 years old or in the middle 20 percent household income bracket were more likely to report this. Two percent of respondents reported they had been pushed, kicked, slapped or hit in the past year. A total of 7% reported at least one of these two situations; respondents 18 to 34 years old, with some post high school education, in the middle 20 percent household income bracket or unmarried respondents were more likely to report this.

From 2009 to 2020, there was no statistical change in the overall percent of respondents who reported they were afraid for their personal safety, or they were pushed/kicked/slapped/hit in the past year, as well as from 2017 to 2020.

From 2009 to 2020, there was no statistical change in the overall percent of respondents who reported at least one of the two personal safety issues in the past year, as well as from 2017 to 2020.

## Personal Safety Issues in Wisconsin

Personal Safety Issues in Past Year	2009	2012	2015	2017	2020	WI 2019
Afraid for Their Safety	5%	4%	4%	4%	6%	NA
Pushed, Kicked, Slapped or Hit	4%	1%	3%	5%	2%	NA
At Least One of the Safety Issues	8%	4%	5%	7%	7%	NA

Source: Community Health Survey, 2020

- Statewide, between 2016 – 2020, robbery and rape have declined, while murder & nonnegligent manslaughter, and aggravated assault have increased.
- The number of violent crime incidents in Waukesha County has increased from 220 in 2016 to 238 in 2020, with the greatest increase in aggravated assaults (118 and 193, respectively).
- In Waukesha County and statewide, society crimes have overall declined between 2016 – 2020.
- ACEs in Waukesha County in 2013 were lower than those in the surrounding counties of Milwaukee, Racine, Walworth, and Jefferson, and were similar to Dodge and Washington counties.
- Between 2017 and 2020 in Waukesha County, those reporting being afraid for their safety slightly increased from 4% to 6% respectively, while those reporting being pushed, kicked, slapped or hit declined from 5% to 2%, respectively.

# Child Bullying in Wisconsin (2016 – 2019)

Data based on nationally-representative samples of US youth between the ages of 12 – 17.

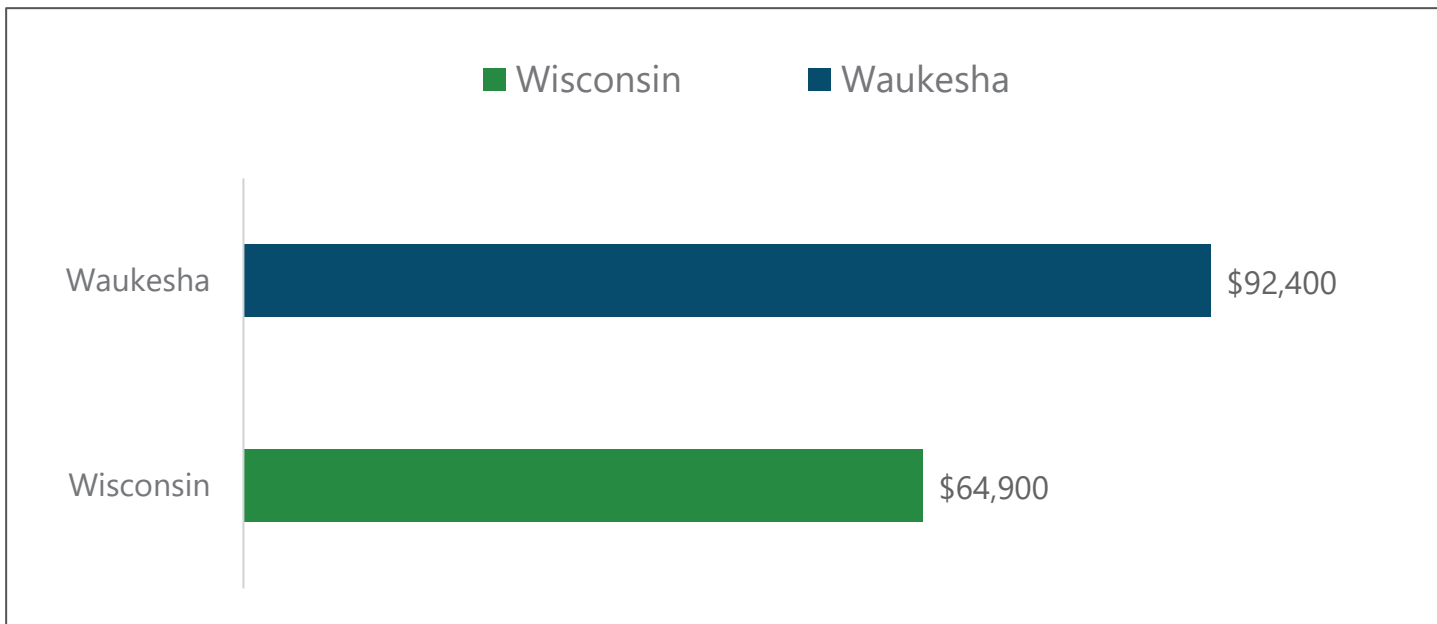
Have you ever...?	2016	2019
Been Bullied (lifetime)	73.1%	78.3%
Been Bullied (last 30 days)	40.0%	60.9%
Bullied Others (lifetime)	30.1%	35.9%
Bullied Others (last 30 days)	12.9%	14.1%
Been Cyberbullied (lifetime)	33.0%	39.1%
Been Cyberbullied (last 30 days)	16.5%	15.2%
Cyberbullied Others (lifetime)	13.4%	14.1%
Cyberbullied Others (last 30 days)	4.1%	6.5%
Received a Sext	16.5%	19.6%
Sent a Sext	10.3%	13.0%
Minimum Sample Size	93	92

Source: *Cyberbullying.org, 2020*  
[\(Bullying, Cyberbullying and Sexting by State\)](#)

# Median Household Income

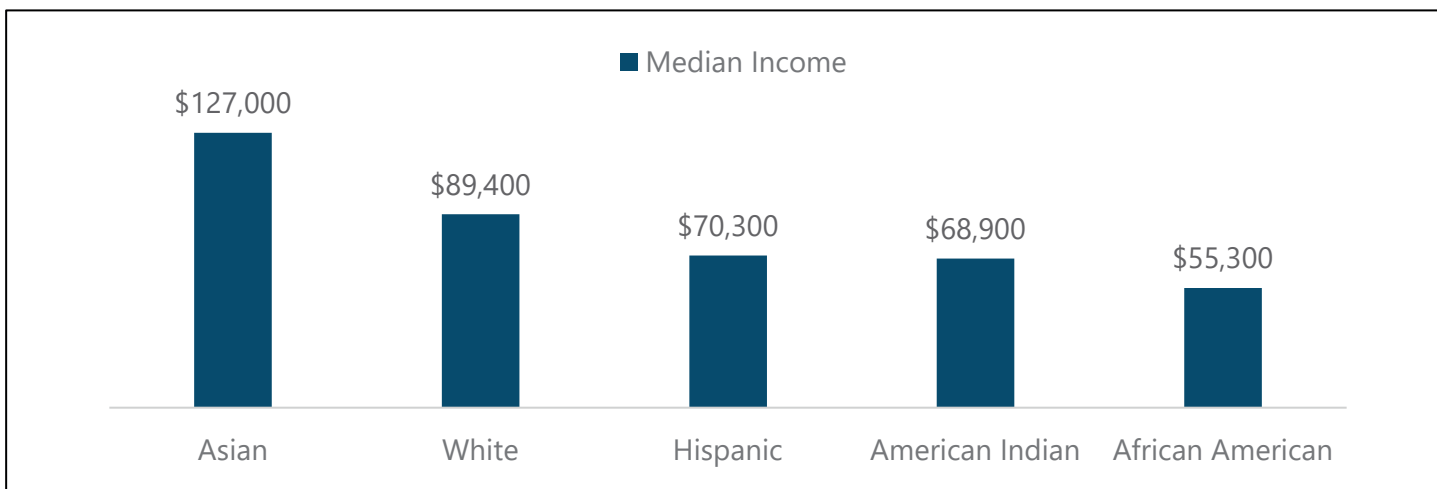
The median household income for Waukesha County is higher than the household median income for the state. American Indian and African American’s have the lowest median household income compared to other race/ethnicities in Waukesha County.

## Median Household Income in Waukesha County and Wisconsin



Source: 2022 County Health Rankings based on 2020 data

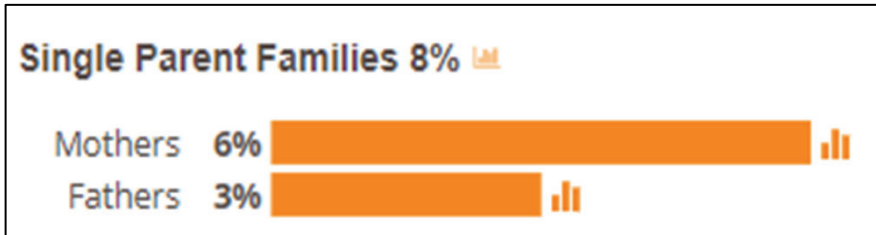
## Median Household Income in Waukesha County by Race and Ethnicity



Source: 2022 County Health Rankings based on 2020 data

# Single Parent Families/Households

## Percentage of Waukesha County Single Parent Families

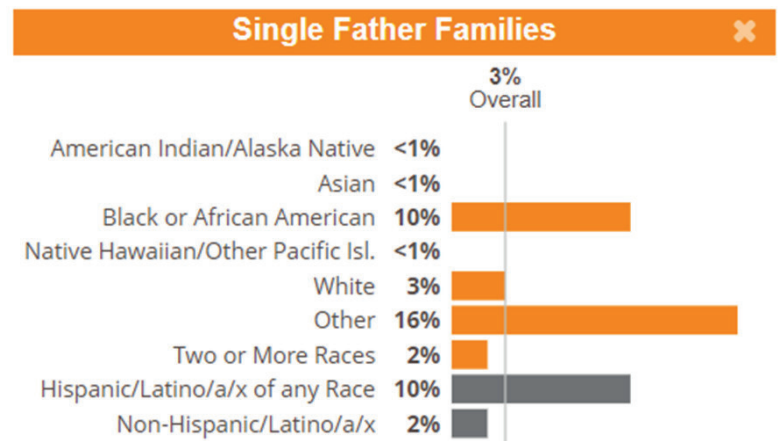
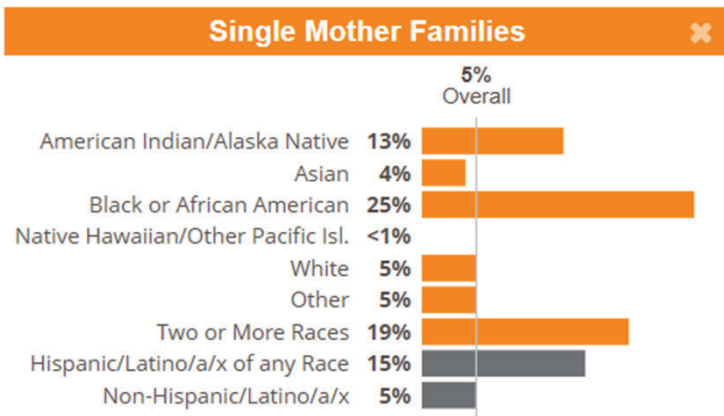


8%

of families in Waukesha County are single parent families.

### Percentage of Waukesha County Single Mother Families by Race and Ethnicity

### Percentage of Waukesha County Single Father Families by Race and Ethnicity



Source: Community Opportunity Map, 2015-2019

## Language

### Percentage of people who Speak a Language Other than English at Home or Speak English Less than Well in Waukesha County and Wisconsin

	Waukesha County	Wisconsin
Speak a Language other than English at home	7.1%	8.7%
Speak English less than very well	2.0%	3.0%
Speak Spanish at home	2.6%	4.6%

Source: American Community Survey: Latest ACS 5-Year Estimates, Data Profiles/Social Characteristics, 2020

# Transportation

- More than 45% of housing units in Waukesha County have more than two vehicles; higher than the state average of 40.1%.
- The majority of Waukesha County’s workforce (86%) drives alone to work; greater than the state average of 81%.

## Vehicle Availability in Waukesha County and Wisconsin

	Waukesha County	Wisconsin
<b>Occupied Housing Units with No Vehicle Available</b>	3.5%	6.6%
<b>Occupied Housing Units with One Vehicle Available</b>	27.2%	31.7%
<b>Occupied Housing Units with Two Vehicles Available</b>	45.5%	40.1%

Source: American Community Survey; Latest ACS 5-Year Estimates, Data Profiles/Housing Characteristics, 2020

## Percent of Workforce that Drive Alone to Work in Waukesha County and Wisconsin

Range in Wisconsin (Min-Max)	Waukesha County	Wisconsin
71-85%	83%	80%

Source: 2022 County Health Rankings, 2016-2020

## Mode of Commuting: Drive Alone, Carpool, Walk, Transit, Bicycle in Waukesha County and Wisconsin

	Drive Alone	Carpool	Walk	Transit	Bicycle
<b>Waukesha County</b>	86%	6%	1%	1%	0%
<b>WI</b>	80%	8%	3%	2%	1%

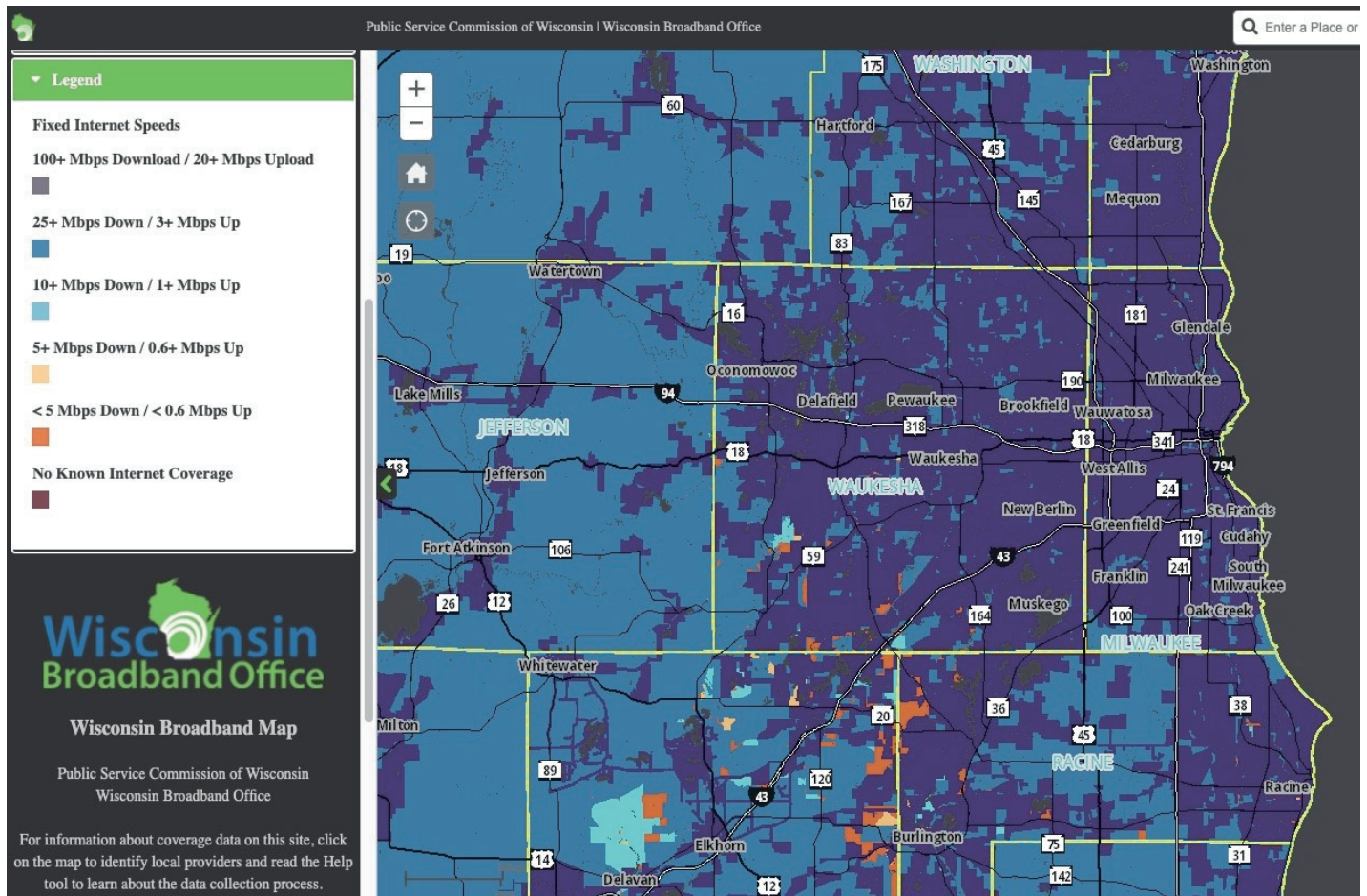
Source: Community Opportunity Map, 2022

# Broadband and Internet Access

## Households with Broadband Internet Connection in Waukesha County and Wisconsin

Range in Wisconsin (Min-Max)	Waukesha County	Wisconsin
73-91%	91%	85%

Source: 2022 County Health Rankings, 2015-2020



Source: Wisconsin Broadband Map ([Wisconsin Broadband Map](#))

### Fixed Internet Speeds

- Mbps stands for megabits per second
- Mbps download is the maximum speed at which you can download data from the internet onto to your device
- Mbps upload is how fast you can send data from you to others (i.e. send an email on your computer, or send an image via text message)
- 100+ Mbps download/ 20+ Mbps upload is the fastest internet speed
  - Most common internet speed in Waukesha County, WI
- <5 Mbps download/ <0.6 Mbps upload is the slowest internet speed (above No Known Internet Coverage)

# Housing

## Severe Housing Problems in Waukesha County and Wisconsin

Percent of Households with at least 1 of 4 housing problems (overcrowding, high housing costs, lack of kitchen facilities, or lack of plumbing facilities)

Range in Wisconsin (Min-Max)	Waukesha County	Wisconsin
9-21%	11%	14%

Source: County Health Rankings, 2014-2018

## Homeownership in Waukesha County and Wisconsin

Percent of Occupied Housing Units that are owned

Range in Wisconsin (Min-Max)	Waukesha County	Wisconsin	Number of Homeowners in Waukesha County
63-87%	76%	67%	121,773

Source: County Health Rankings, 2016-2020

## Severe Housing Cost Burden in Waukesha County and Wisconsin

Percent of Households that Spend 50% or more of their Household Income on Housing

Range in Wisconsin (Min-Max)	Waukesha County	Wisconsin	Number of Households with a Severe Cost Burden in Waukesha County
7-17%	10%	11%	16,412

Source: County Health Rankings, 2016-2020

- Ten percent of Waukesha County households spend more than 50% of their household income on housing.
- The cost of an average/typical home in Waukesha County is roughly \$50,000 greater than the average/typical cost of a home in the state.



## The FY 2022 Milwaukee-Waukesha-West Allis, WI MSA FMRs for All Bedroom Sizes

Final FY 2022 & Final FY 2021 FMRs By Unit Bedrooms					
Year	Efficiency	One-Bedroom	Two-Bedroom	Three-Bedroom	Four-Bedroom
FY 2022 FMR	\$687	\$827	\$999	\$1,269	\$1,384
FY 2021 FMR	\$663	\$803	\$973	\$1,242	\$1,362

Waukesha County, WI is part of the Milwaukee-Waukesha-West Allis, WI MSA, which consists of the following counties: Milwaukee County, WI; Ozaukee County, WI; Washington County, WI; and Waukesha County, WI. All information here applies to the entirety of the Milwaukee-Waukesha-West Allis, WI MSA.

\*Note: FMR stands for Fair Market Rents

Source: Hud User, 2021-2022 ([FY 2022 Fair Market Rent Documentation System](#))

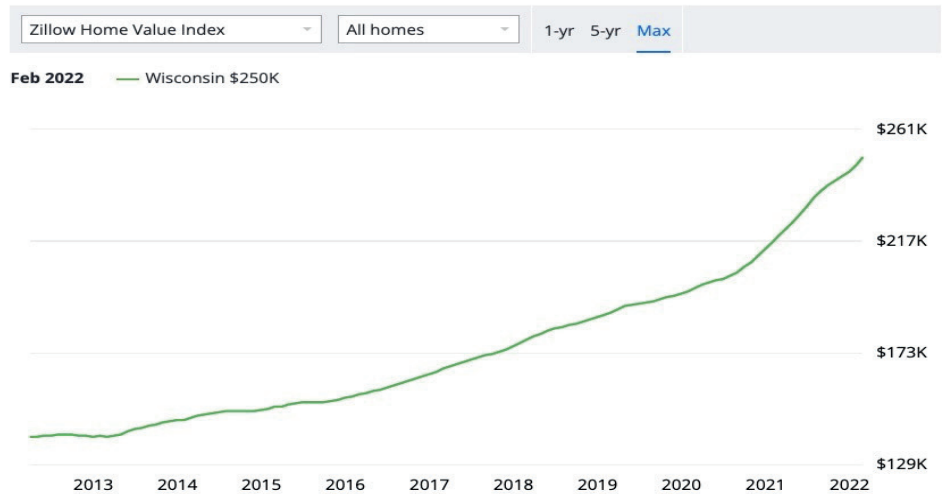
## Average Median Home Price

### Wisconsin Market Overview

Data through Feb 28, 2022

\$250,257 ZHVI

No data 1-yr forecast



Source: Zillow.com 2022

Average/Typical Home Price in Wisconsin: \$250,257

### Waukesha, WI Housing Market

In February 2022, the median listing home price in Waukesha, WI was \$329.9K, trending up 10% year-over-year. The median listing home price per square foot was \$188. The median home sold price was \$315K.

#### Median Listing Home Price vs. Median Home Sold Price



Sale-to-List Price Ratio: 102.45%

Homes in Waukesha, WI sold for 2.45% above asking price on average in February 2022.



Waukesha, WI is a **seller's market** in February 2022, which means that there are more people looking to buy than there are homes available.

Source: Realtor.com, 2022

# Homelessness

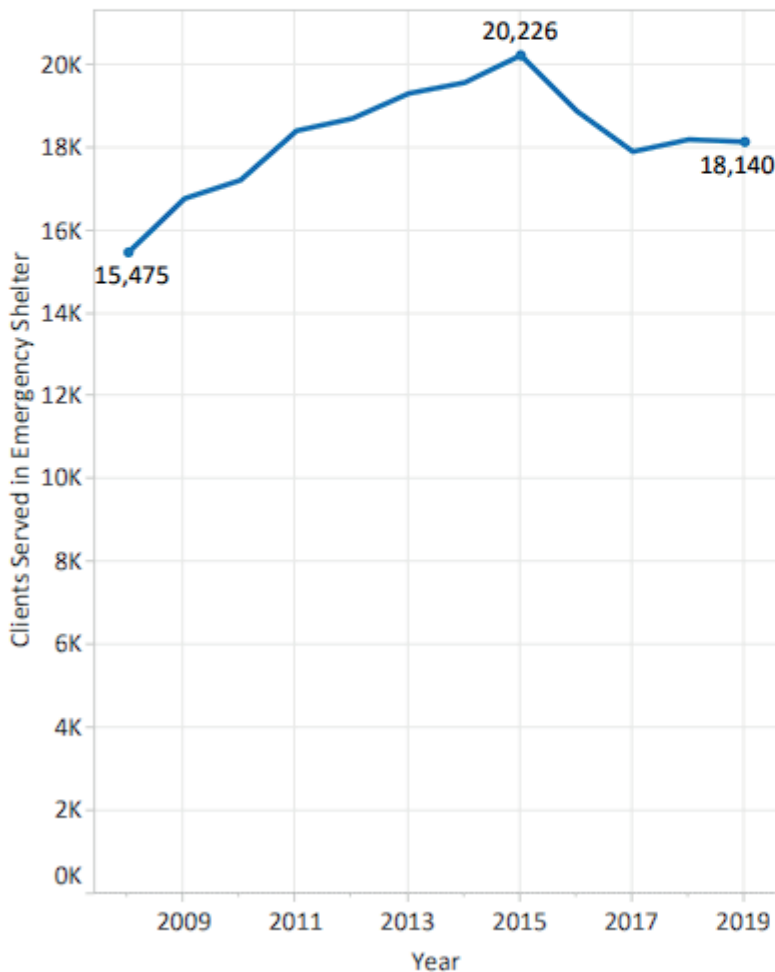
## Clients in Emergency Shelter over Time

**18,140** clients had an emergency shelter stay with HMIS agencies in Wisconsin in 2019.

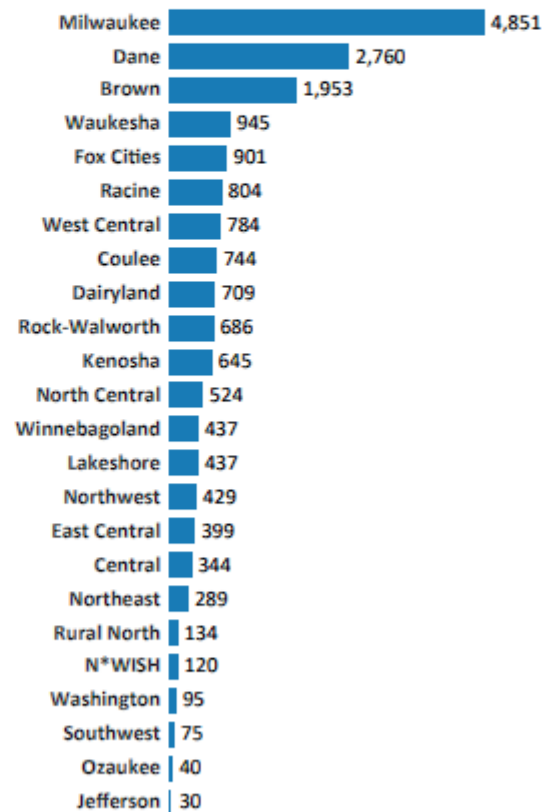
**10,272** of those clients (57%) sought emergency shelter in the Balance of State.

Since the most recent peak in 2015, the number of clients using HMIS-reporting emergency shelter beds has decreased about 10%. The number of clients who sought emergency shelter is about the same as in 2018.

Total Clients Served in Emergency Shelter



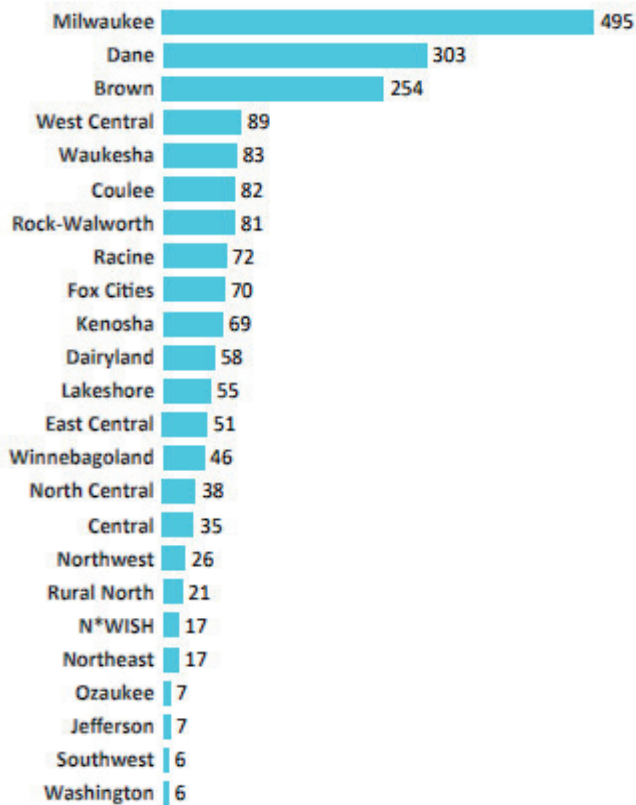
2019 Distribution of Emergency Shelter Clients



Source: State of Homeless Annual Report, 2019  
 (State-of-Homeless-Report-2019c.pdf (cwcac.org))

# Youth and Unaccompanied Children

Youth ages 18-24 represent about 9% of persons served by HMIS homeless service providers in Wisconsin in 2019. About 65% of youth are served as singles, not as members of a family.



National studies estimate that 20%-45% of youth experiencing homelessness identify as LGBTQ, and LGBTQ youth are at least twice as likely to experience homelessness as non-LGBTQ youth.

LGBTQ individuals may face discrimination and rejection from family members, which can play a role in becoming homeless and struggling to regain housing. Many shelters in Wisconsin and throughout the United States are sex segregated, and LGBT+ individuals often have difficulty finding shelters that are safe and welcoming. **Proposed changes to HUD's Equal Access Rule may exacerbate this issue, especially for transgender folks.**

The rule will still require that HUD-funded housing and shelter programs do not discriminate based on actual or perceived sexual orientation, gender identity, or marital status. However, the proposed modification will no longer require sex-segregated facilities to provide services consistent with folks' gender identities.

An estimated 0.6% of the total US adult population is transgender, and 1.2% of youth experiencing homelessness in Wisconsin identify as transgender.

## 398 unaccompanied children received homeless services in 2019.

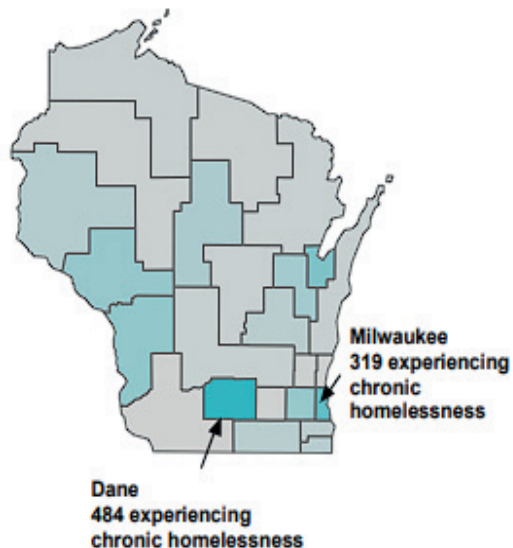
These are children under the age of 18 who received homeless services without a parent or guardian. 7% of children experiencing homelessness in Wisconsin were unaccompanied in 2019. 1 out of 3 teens experiencing homelessness is unaccompanied. Though almost all unaccompanied children are teens, 26 children ages 11 or 12 received homeless services alone.



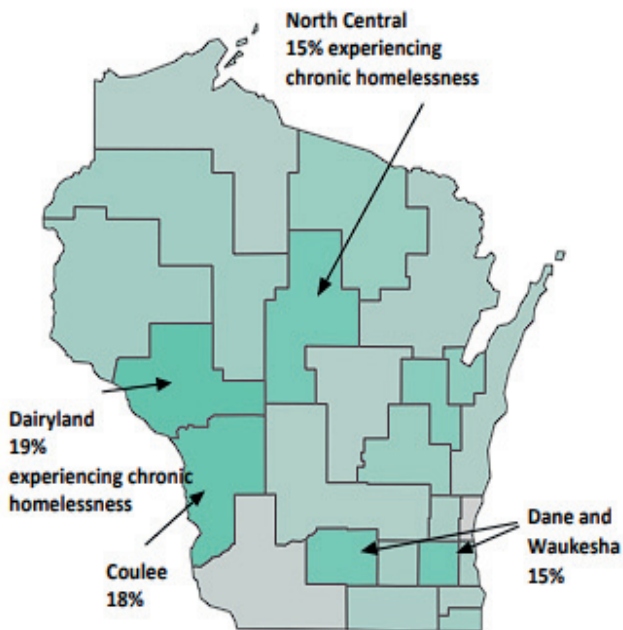
Source: *State of Homeless Annual Report, 2019*  
[State-of-Homeless-Report-2019c.pdf \(cwcac.org\)](https://www.cwcac.org/State-of-Homeless-Report-2019c.pdf)

# Clients Experiencing Chronic Homelessness

## Chronically Homeless Clients



© Mapbox © OSM



© Mapbox © OSM

Source: State of Homeless Annual Report, 2019  
([State-of-Homeless-Report-2019c.pdf](https://www.cwcac.org/state-of-homeless-report-2019c.pdf) (cwcac.org))

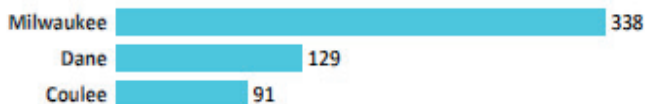
### Chronic Homelessness in 2019

The number of clients experiencing chronic homelessness in Wisconsin in 2019 increased by 7% since 2018 (133 clients). The number of clients experiencing chronic homelessness in Dane County increased by 13% (57 clients) from 2018 to 2019.

In two communities – Milwaukee County and the Coulee Region – the number of clients *decreased* by at least 10 percent.

These two regions (plus Dane County) had the most clients entering Permanent Supportive Housing units in 2018 AND in 2019. In 2019, 804 clients entered PSH.

### Clients Entering PSH in 2019



[the remaining 31% of PSH entries were in other CoCs]

### Statewide

9% of clients served by HMIS providers in 2019 were chronically homeless.

About 40% of all folks experiencing chronic homelessness are served in Milwaukee and Dane Counties.

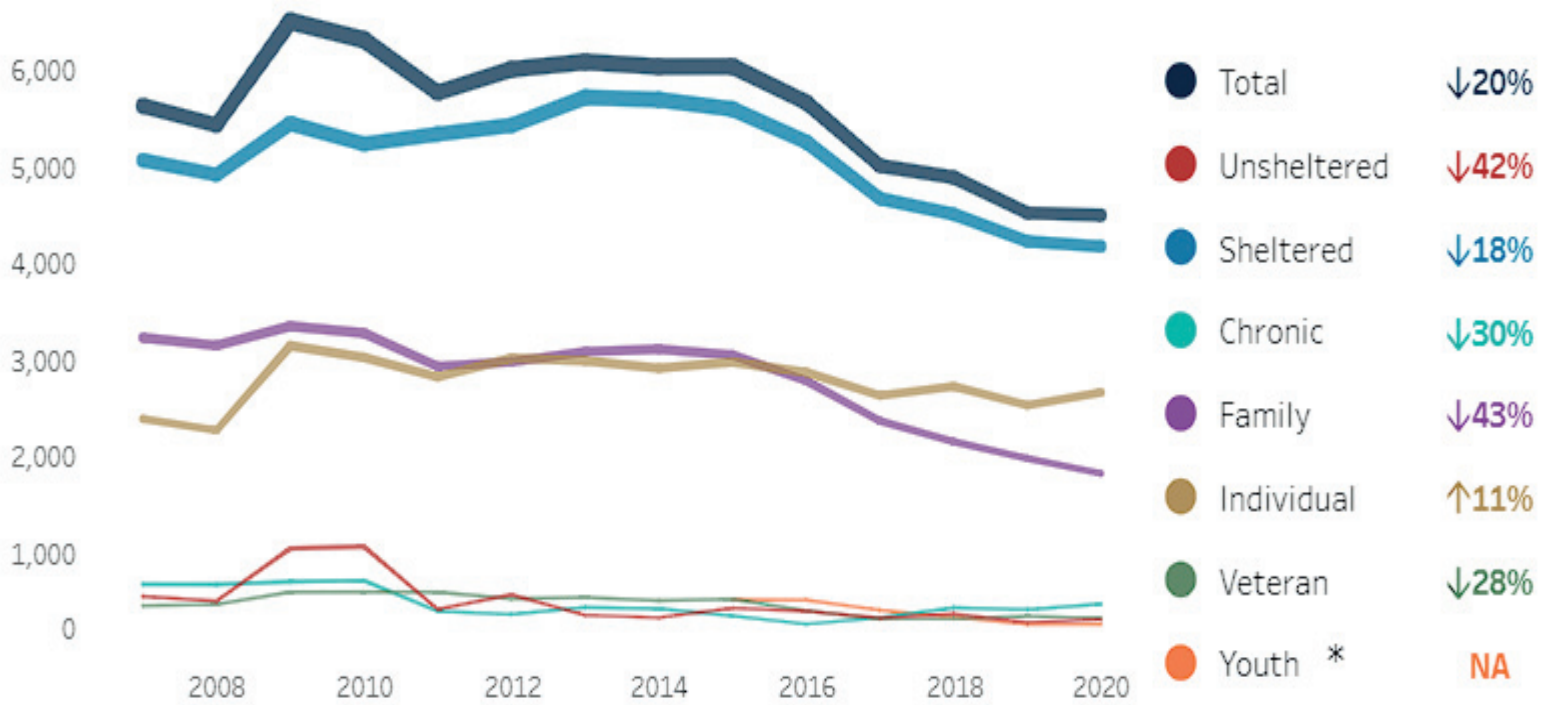
Coulee CoC and Dairyland CoCs have the highest percent of clients served who are experiencing chronic homelessness (18-19%) followed by Waukesha, Dane, and North Central CoCs (15%)

Clients with a disability who have been homeless continuously for 12 months or longer, or four times in three years for a total of 12 months, may be considered chronically homeless.

# States Homelessness Population

## State Homelessness by Population

Between 2007 and 2020, **Wisconsin's Total** homeless population changed by **↓20%**, the **Sheltered** population changed by **↓18%**, and the **Unsheltered** population changed by **↓42%**. See list for statistics on other populations.



Source: National Alliance to End Homelessness, 2020 [Click here](#)

# Waukesha County Point-in-Time Homelessness Population, 2019 - 2022

The Point-in-Time count is from January of the years 2019-2022. Over these four years, the point-in-time count of people experiencing homelessness in Waukesha County has remained relatively the same around 150 people. A majority of these people each year were staying in shelters while only about 15 people in 2020, 2021, 2022 were unsheltered. In 2019, only 2 people were unsheltered.

<b>Point-In-Time Count- Data for Waukesha County (HUD Required- January Only)</b>				
<i>Shelters/Programs</i>	<b>1/26/2022</b>	<b>1/27/2021</b>	<b>1/22/2020</b>	<b>1/23/2019</b>
<b>Family Promise of Waukesha County</b> Singles	3	0	0	0
<b>Family Promise of Waukesha County</b> Families	11	0	5	9
<b>HAC Waukesha Motel Voucher Program</b>	0	0	0	0
<b>HAC Waukesha Overflow Shelter</b> Singles	0	0	8	NA
<b>HAC Waukesha Overflow Shelter</b> Families	0	0	0	NA
<b>Hebron House of Hospitality- Juno House</b> Singles	6	8	13	11
<b>Hebron House of Hospitality- Juno House</b> Families	9	19	14	12
<b>Hebron House of Hospitality- Siena House</b> Singles	8	17	17	15
<b>Hebron House of Hospitality- Jeremy House Safe Haven</b> Singles	6	5	6	6
<b>Hebron House of Hospitality- Drop-in</b> Singles	0	4	0	11
<b>Richard's Place Transitional Living-</b> Singles	Closed	Closed	Changed	2
<b>The Salvation Army of Waukesha County</b> Singles	32	25	42	51
<b>The Women's Center- Emergency Shelter</b> Singles	6	1	9	9
<b>The Women's Center- Emergency Shelter</b> Families	11	12	16	14
<b>The Women's Center- Transitional Housing</b> Singles	1	3	0	4
<b>The Women's Center- Transitional Housing</b> Families	25	23	15	17
<b>The Women's Center-</b> Unaccompanied Youth	0	1	0	0
<b>Waukesha Motel Voucher Program: Hebron</b>	0	14	NA	NA
<b>Salvation Army Motel Voucher</b>	13	8	NA	NA
<b>UNSHELTERED COUNT: SINGLES</b>	<b>15</b>	<b>14</b>	<b>13</b>	<b>2</b>
<b>UNSHELTERED COUNT: FAMILIES</b>	<b>1 HH with 5 people</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total # of People Experiencing Homelessness in Waukesha County on the night of PIT.</b>	<b>151</b> (90 singles, 61 people in 17 families)	<b>154</b> (1 unaccomp. youth, 99 singles, 54 people in 15 families)	<b>159</b> (109 singles, 50 people in 15 families)	<b>163</b> (111 singles, 52 people in 13 families)

# Waukesha County Shelters

Overall, the number of sheltered homeless persons has trended downward since 2018-2019. Most of these individuals are in emergency shelters, while a fraction are in Safe Haven. In 2018-2019 3 were residing in transitional housing while 0 were in transitional housing 2019-2020 and 2020-2021.

## Number of Waukesha County Individuals in Shelters from 2018-2021

<b>Summary for 10/1/2018 - 9/30/2019</b>	<b>Total Counts</b>
Unduplicated Total Sheltered Homeless Persons	972
Emergency Shelter	967
Safe Haven	21
Transitional Housing	3
<b>Summary for 10/1/2019 - 9/30/2020</b>	<b>Total Counts</b>
Unduplicated Total Sheltered Homeless Persons	752
Emergency Shelter	747
Safe Haven	24
Transitional Housing	0
<b>DRAFT Summary for 10/1/2020 - 9/30/2021</b>	<b>Total Counts</b>
Unduplicated Total Sheltered Homeless Persons	754
Emergency Shelter	737
Safe Haven	17
Transitional Housing	0

## DOMAIN 3

Definition: This domain represents factors associated with health system capacity, including both the number of licensed medical providers and the physical capacity of health facilities. In addition, the category of health resources includes measures of access, utilization, cost and quality of health care and prevention services.



From 2009 to 2020, there was a statistical increase in the overall percent of respondents who reported a routine checkup two years ago or less. The percentage of adults who received a preventative colorectal screening was lower in Waukesha County (70.8%) compared to Wisconsin (75.2%).

Adults and children who are uninsured has been slowly improving from 2009-2019.

The ratio of population to dentist and primary care physicians has been improving since 2011.

The ratio of population to mental health provider is better in Waukesha County (390:1) than WI (440:1).

There are new shortages in nursing staff and respiratory therapist due to the COVID-19 pandemic.

The health care position with the highest percentage of individuals over age 55 is Certified Registered Nurse Anesthetists (CRNAs).

The health care positions with greater than 20% of the workforce over age 55 are Lab Technologists, Licensed Practical Nurses, Respiratory Therapists and Advanced Practice Nurses.

From 2012 to 2020, the overall percent statistically increased for respondents who reported unmet medical care, unmet dental care or unmet mental health care in the past year.

From 2012 to 2020, the overall percent statistically decreased for respondents who reported someone in their household had not taken their prescribed medication due to prescription costs in the past year.

From 2009 to 2020, there was a statistical decrease in the overall percent of respondents who reported their primary place for health care services when they are sick was a doctor's/nurse practitioner's office.

In 2020 less people (%) utilized a doctor's or nurse practitioner's office for primary place for health care services.

From 2009 to 2020, there was a statistical increase in the overall percent of respondents who reported their primary place for health care services when they are sick was an urgent care center.



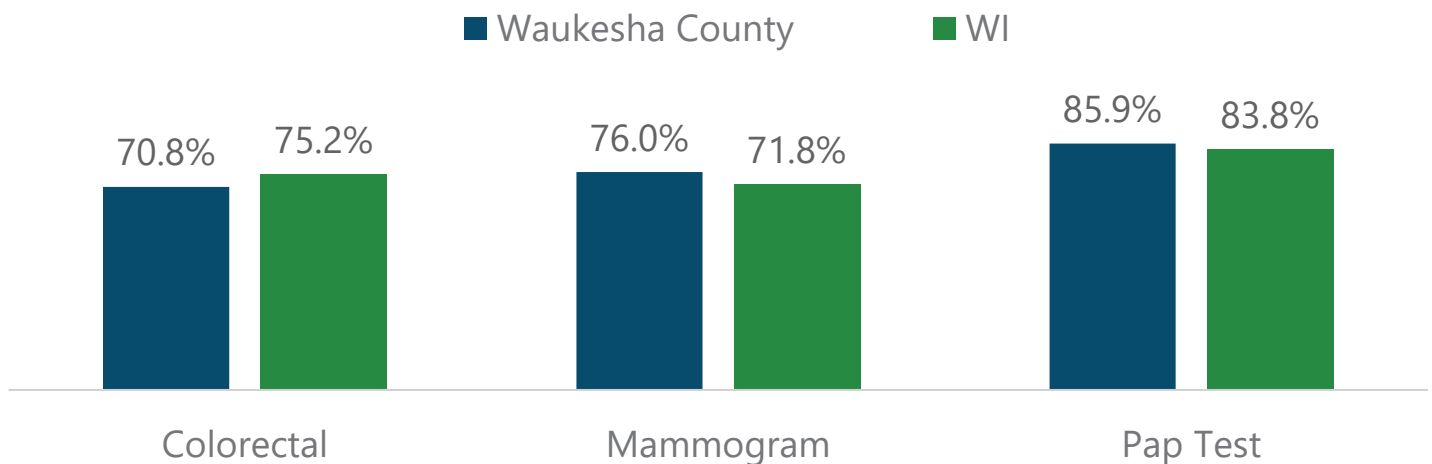
# Preventative Care

## Percentage of People Who Received Routine Procedures

Routine Procedures	2009	2012	2015	2017	2020	WI 2019
Routine Checkup (2 years or less)	84%	85%	85%	86%	90%	87%
Cholesterol Test (4 years ago or less)	82%	79%	84%	84%	81%	84%
Dental Checkup (past year)	74%	75%	76%	82%	76%	71%
Eye Exam (past year)	41%	49%	55%	53%	39%	NA

Source: Community Health Survey, 2020

## Adults who received Preventative Screenings in Waukesha County and Wisconsin



Source: Wisconsin Cancer Collaborative, 2014-2018

### Have a Primary Care Physician

**89%**

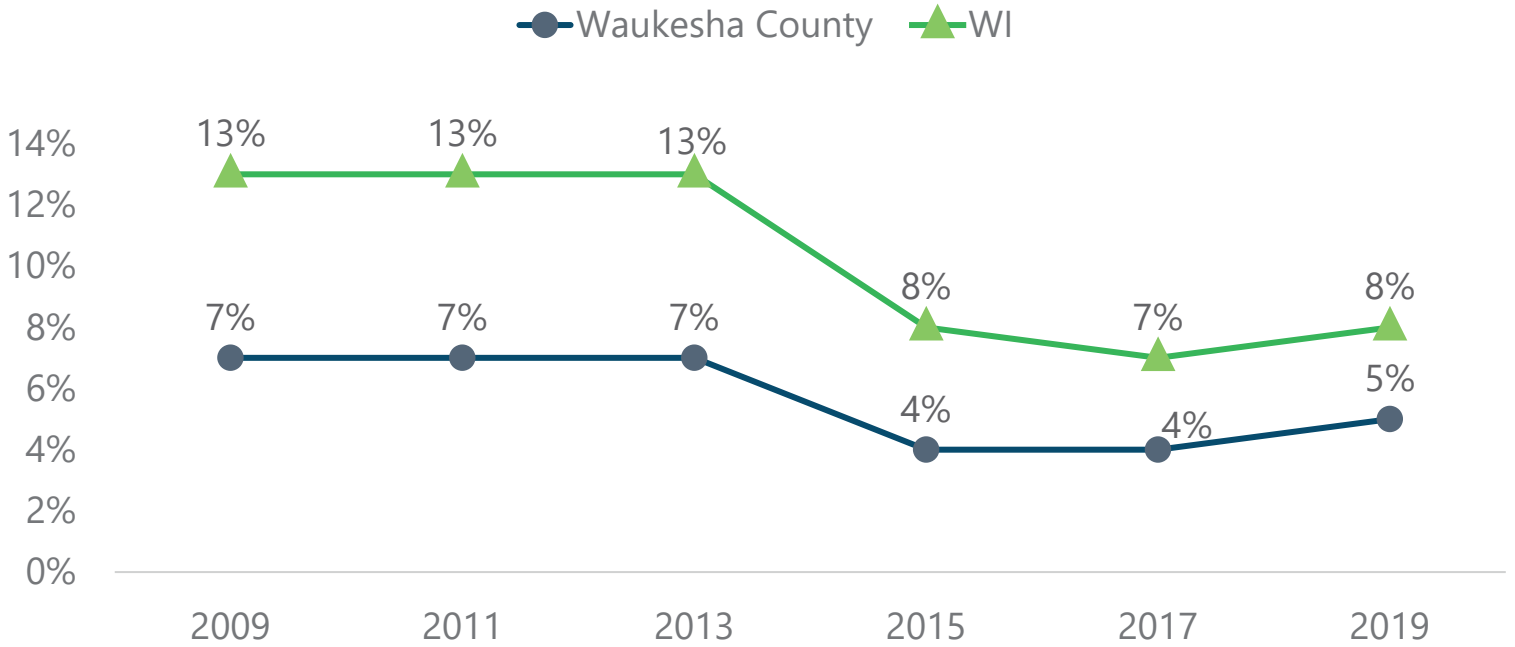
(WI: 82%)

In 2020, 89% of respondents in Waukesha County reported they have a primary care physician they regularly see for check-ups and when they are sick; respondents who were female, 45 to 54 years old, 65 and older or with some post high school education were more likely to report a primary care physician.

Source: Community Health Survey, 2020

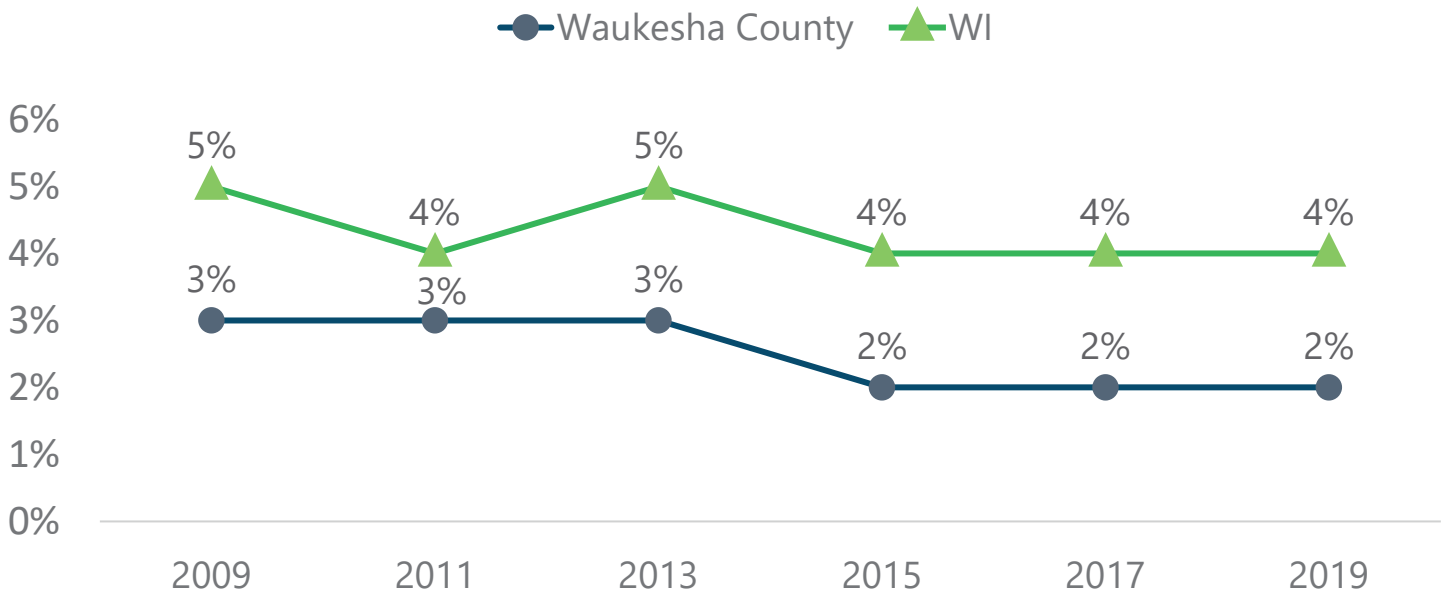
# Access to Care

**Percent of Adults who are Uninsured in Waukesha County and Wisconsin**



Source: County Health Rankings, 2019

**Percent of Children who are Uninsured in Waukesha County and Wisconsin**

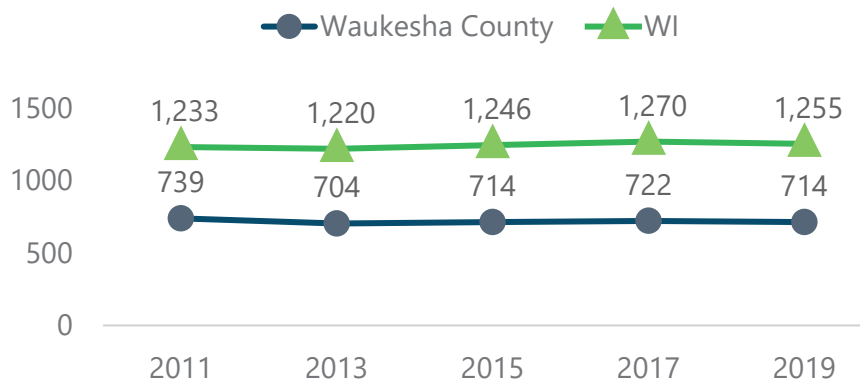


Source: County Health Rankings, 2019

## Access to Care

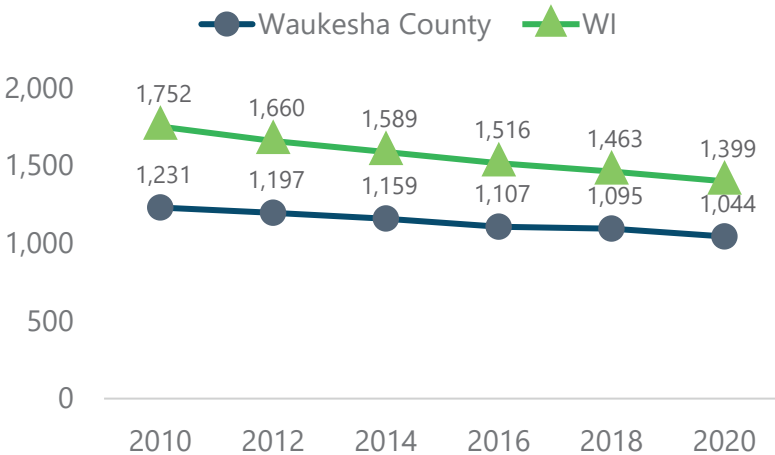
No significant long-term trend was found in Waukesha County

### Ratio of Population to Primary Care Physicians in Waukesha County and Wisconsin



Source: County Health Rankings, 2019

### Ratio of Population to Dentist in Waukesha County and Wisconsin



Source: County Health Rankings, 2020

### Ratio of Population to Mental Health Provider

# 390:1

(WI: 440: 1)

The ratio represents the number of individuals served by one physician, dentist or mental health provider in Waukesha County, if the population was equally distributed across each service.

Source: 2022 County Health Rankings based on 2020 data

## Waukesha County Medical Facilities

Waukesha County Medical Facilities	Facilities	Beds
Medical Hospitals	11	1,181
Mental Health Hospitals/Centers	2	118
Nursing Homes	17	1,534
Federally Qualified Health Centers (FQHCs)	1	N/A
Free Clinics	3	N/A

Source: Wisconsin Department of Health Services, 2022

# Healthcare Staff

## Vacancy Rates for Selected Wisconsin Hospital Professions

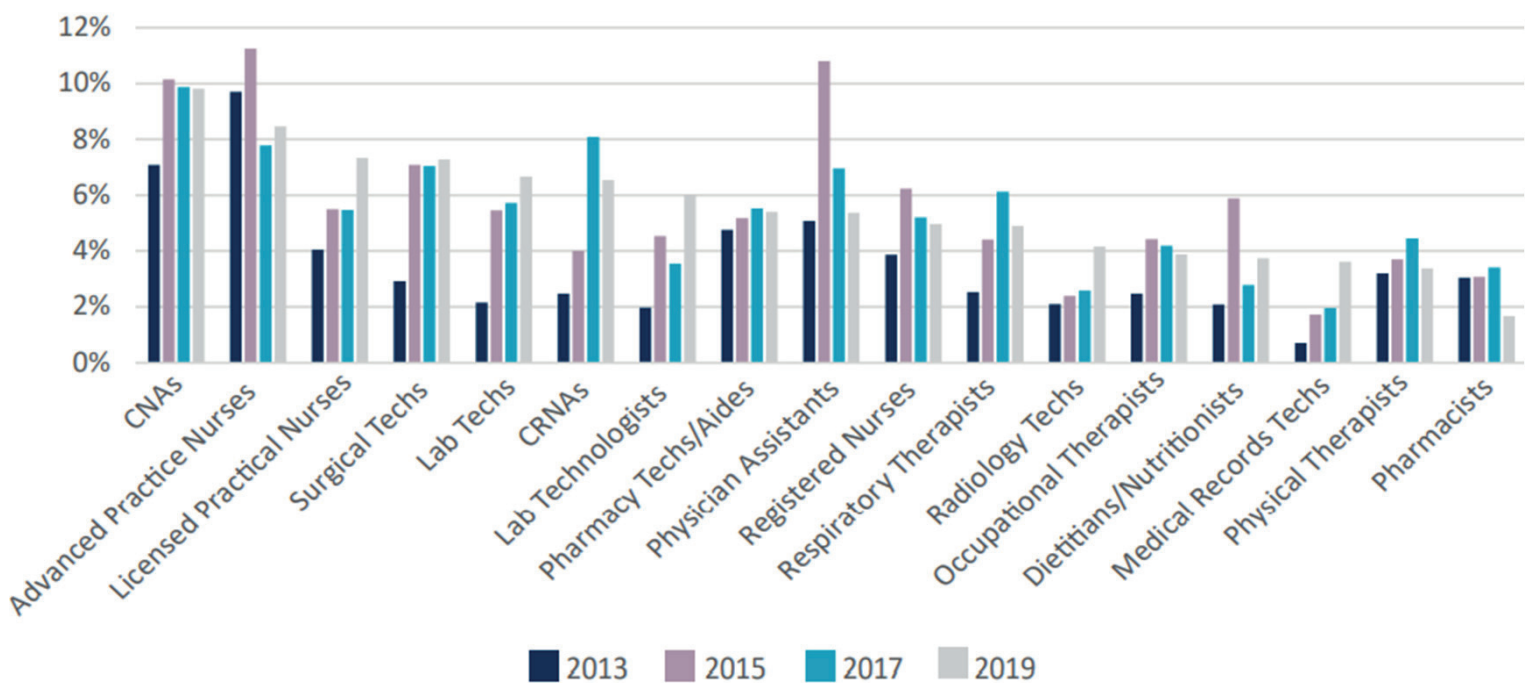
In Wisconsin, vacancy rates dropped below double digits in 2019. Entry-level positions, like **nursing assistants (CNAs)**, **practical nurses and technicians** made up all but one of the top-five highest vacancy rates in 2019.

**Advanced practice nurses** remained in the top-five.

COVID-19 magnified the impact of existing shortages. New shortages in **nursing staff** and **respiratory therapy** were created as hospitals were leaned on as never before to take on more and more patients while also shoring up local testing and tracing efforts.

### Vacancy Rates for Selected Wisconsin Hospital Professions

Source: Wisconsin Hospital Personnel Surveys



Source: Wisconsin Hospital Association Workforce Report, 2021 [click here](#)

# Healthcare Staff

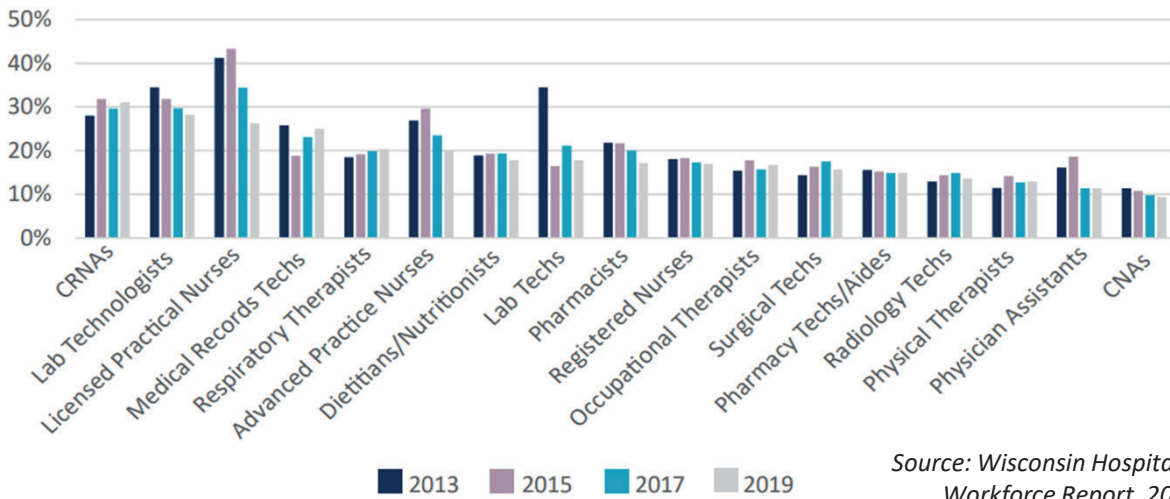
In 2015 and 2016, just over **20%** of the hospital health care workforce was aged 55 or older. In 2019, the percentage of health care workforce aged 55 and older decreased to **16%**.

- Position with the highest percentage of individuals over age 55 **Certified Registered Nurse Anesthetists (CRNAs)**
- Positions with greater than 20% of the workforce over age 55: **Lab Technologists, Licensed Practical Nurses, Respiratory Therapists and Advanced Practice Nurses**
- Positions with 90% or more of their practitioners younger than age 55: **Nursing Assistants & Physician Assistants**

## Wisconsin Hospital Professionals at Least 55 Years Old

Wisconsin Hospital Professionals at Least 55 Years Old

Source: Wisconsin Hospital Personnel Surveys



Source: Wisconsin Hospital Association Workforce Report, 2021 [click here](#)

## Health care workers continue to be primarily white and female.

### Wisconsin population:



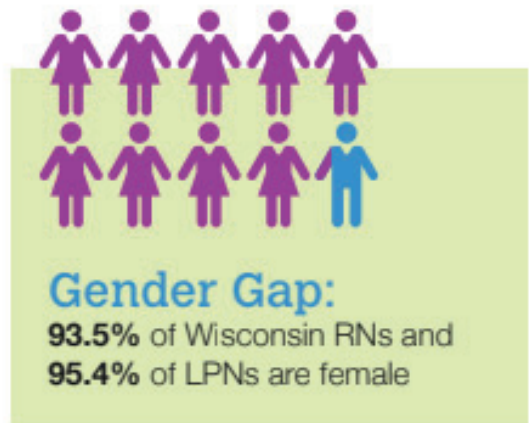
### Wisconsin RNs:



### Wisconsin LPNs:



● White ● Black ● Hispanic ● Asian ● American Indian



Source: Wisconsin Hospital Association Workforce Report, 2020  
Source: Wisconsin Center for Nursing, 2014

## Health Services & Information

The needs of healthcare in a community is continually evolving. Below are some trends from 2012 to 2020 in Waukesha County. Respondents were scientifically selected so the survey would be representative of all adults 18 years old and older in the county

- Percent of respondents who reported unmet medical care, unmet dental care or unmet mental health care in the past year increased overall and respondents who reported someone in their household had not taken their prescribed medication due to prescription costs in the past year decreased
- Percent of respondents who reported their primary place for health care services when they are sick was a doctor's/nurse practitioner's office decreased and percent of respondents who reported their primary place for health care services when they are sick was an urgent care center increased

Health Services & Information in Waukesha County	2012	2015	2017	2020	WI 2019
<b>Primary Source of Health Information</b>					
Doctor	40%	47%	49%	51%	N/A
Internet	28%	30%	30%	32%	N/A
Myself/Family Member in Health Care Field	9%	6%	13%	9%	N/A
<b>Unmet Health Care Needed in Past Year*</b>					
Medical Care	4%	9%	12%	9%	N/A
Dental Care	9%	12%	7%	16%	N/A
Mental Health Care	<1%	3%	3%	4%	N/A
<b>Did Not Receive Care Needed due to Cost</b>					
Medical Care	-	17%	17%	13%	11%
Prescription Medication	8%	8%	11%	5%	N/A
<b>Primary Health Care Services</b>					
Doctor/Nurse Practitioner's Office	86%	78%	68%	64%	N/A
Urgent Care Center	5%	8%	21%	21%	N/A
Hospital Emergency Room	<1%	3%	<1%	3%	N/A
Quickcare Clinic (Fast Clinic)	-	-	3%	2%	N/A
Public Health Clinic/Community Health Center	5%	4%	<1%	2%	N/A
No Usual Place	2%	6%	3%	7%	N/A

Source: Waukesha County Community Health Survey, 2020 [Click here](#)

Please note, in 2020, unmet medical, dental and mental health care need was asked of the household. In prior years, it was asked of the respondent only.

## Health Status

In 2020, 63% of respondents reported their health as very good or excellent, while 9% of respondents reported poor or fair. It was assessed that respondents were more likely to report their health as fair or poor if they were either 65 and older, unmarried, physically Inactive, or smoked.

### Perceived Health Status

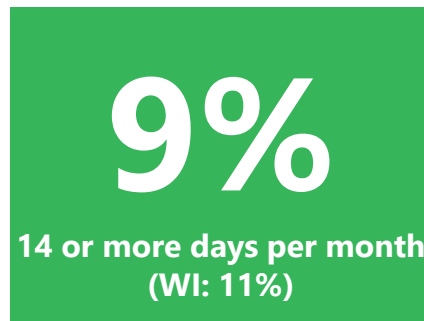
	2009	2012	2015	2017	2020	WI 2019
<b>Excellent/Very Good</b>	68%	64%	57%	60%	63%	50%
<b>Good</b>	23%	26%	33%	25%	29%	34%
<b>Fair or Poor</b>	9%	10%	11%	15%	9%	16%

Source: Waukesha County Community Health Survey, 2020 ([Click here](#))

### Average Number of Poor Physical Health Days



### Frequent Physical Distress



The average number of poor physical health days in adults in Waukesha County in the past 30 days was 2.8 days.

The percentage of adults in Waukesha County with 14 or more days of physical distress per month is 9%.

Source: 2021 County Health Rankings based on 2019 data ([Click here](#))

# DOMAIN 4

Definition: Quality of Life (QOL) is a construct that “connotes an overall sense of well-being when applied to an individual” and a “supportive environment when applied to a community” (Moriarty, 1996). While some dimensions of QOL can be quantified using indicators research has shown to be related to determinants of health and community-wellbeing, other valid dimensions of QOL include perceptions of community residents about aspects of their neighborhoods and communities that either enhance or diminish their quality of life.



The Waukesha County Quality of Life Survey was conducted, and the survey was completed in May 2022. The Quality of Life Survey measures the perception of the quality of life of people who live, work, or go to school in Waukesha County. Results are included in the Community Health Assessment.

The life expectancy for Waukesha County is 81.5 and the average life expectancy for Wisconsin is 79.4 years old. Waukesha stands as the #2 healthiest county in Wisconsin according to the 2022 County Health Rankings.

The Waukesha County municipalities with the highest life expectancy are Hartland, Merton and North Lake, which all have a life expectancy of 83.6.



# Health & Wellbeing

## Life Expectancy by Zip Code

Life Expectancy at Birth	Geography Name
74.2	Butler (53007)
78.3	Waukesha (53188)
78.9	Lannon (53046)
79.4	Oconomowoc (53066)
79.5	Pewaukee (53072)
79.7	Waukesha (53186)
79.7	Waukesha (53187)
79.9	Big Bend
80.5	Brookfield
80.7	Muskego
80.9	New Berlin
81	Okauchee
81.2	Brookfield
81.2	Brookfield
81.3	Dousman
81.3	Wales
81.4	Menomonee Falls
81.4	Menomonee Falls
81.5	New Berlin
81.6	Mukwonago
81.8	Genesee Depot
81.8	North Prairie
81.8	Waukesha (53189)
81.9	Sussex
82.3	Nashotah
83.2	Elm Grove
83.4	Eagle
83.5	Delafield
83.6	Hartland
83.6	Merton
83.6	North Lake

Life expectancy tells us the average number of years of life a person who has attained a given age can expect to live.

The life expectancy for **Waukesha County** is **81.5** and the average life expectancy for Wisconsin is 79.4 years old.

Source: Waukesha County Health Data Report 2020 ([Click here](#))

Source: Health Equity Strategy Accelerator, 2022

# DOMAIN 5

Definition: Risk factors in this category include behaviors which are believed to cause, or to be contributing factors to, injuries, disease, and significant morbidity and mortality later in life.



Alcohol continues to be the most used drug and is used more in Waukesha County than the state.

There was a statistical decrease in the overall percent of respondents who were current tobacco cigarette smokers.

White individuals use substances at a higher rate than other race and ethnicities. Males use substances at a higher rate than females.

From 2009 to 2020, there was a statistical increase in the overall percent of respondents who were overweight or obese.

From 2009 to 2020, there was a statistical decrease in the overall percent of respondents who reported at least five servings of fruit/vegetables on an average day, as well as from 2017 to 2020.

From 2009 to 2020, there was a statistical increase in the overall percent of respondents who reported high blood pressure.

Adults in Waukesha County have lower prevalence of hypertension and diabetes compared to other counties in Wisconsin.

Waukesha County has higher incidence rates for female breast, prostate and skin cancer compared to Wisconsin.

## Substance Use

Substance Use in Waukesha County	2009	2012	2015	2017	2020	WI 2019
Alcohol (Binge Drinking) (21+)	27%	22%	29%	26%	32%	22%
Cigarette Smoker (18+)	17%	17%	13%	14%	11%	15%
Electronic Vaping	-	-	4%	4%	4%	4% (2017)
Smokeless Tobacco	-	-	2%	4%	7%	3%
Cigars, Cigarillos or Little Cigars	-	-	3%	4%	3%	NA
Cocaine or Other Street Drugs	-	-	-	<1%	2%	NA
Misuse of Prescription Pain Medication	-	-	-	<1%	<1%	4.7%
Heroin	-	-	-	0	0	0.5%

Source: Waukesha County Community Health Survey, 2020 ([Click here](#))

From 2009 to 2020:

- There was no statistical change in the overall percent of respondents who reported binge drinking in the past month.
- There was a statistical **decrease** in the overall percent of respondents who were current tobacco cigarette smokers.

### Number of People Served for Public Substance Use Services 2015-2020

Year	Waukesha County	Wisconsin	Percentage
2015	733	32,922	2.2%
2016	805	31,779	2.5%
2017	937	31,525	3.0%
2018	1,018	31,196	3.3%
2019	1,036	30,181	3.4%
2020	792	22,861	3.5%

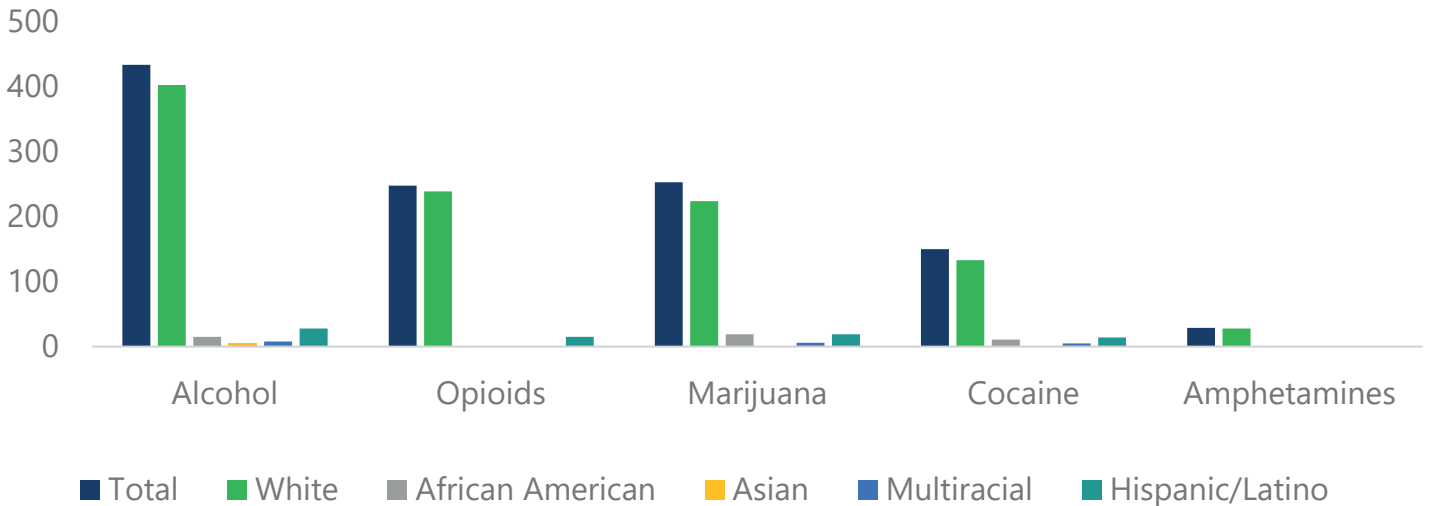
The number of people served for substance use in Waukesha County continued to increase from 2015-2019. There was a decrease in the number of people served in 2020. The number of Waukesha County residents served for mental health received an increasing proportion of all state mental health services from 2015-2020.

Wisconsin Department of Health Services, County Services – Substance Use (web query). Data last updated 4/30/2021

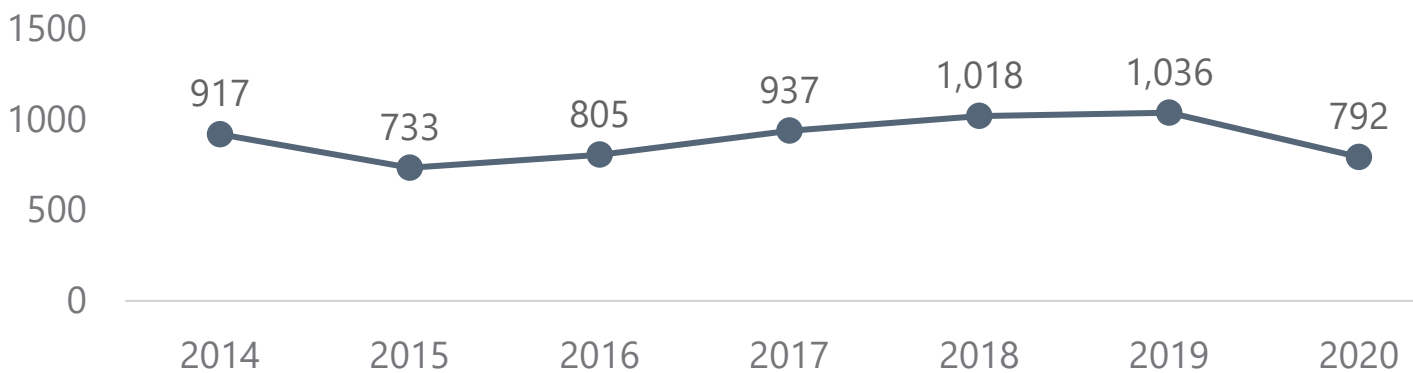
# Substance Use

For all reported drug types, white males use these drugs at a higher rate than white females or males/females in other race/ethnicity populations.

## Top 5 Most Common Substances in Waukesha County by Race/Ethnicity 2020



## Total People Treated for Public Substance Use Services in Waukesha County for All Ages



## Most Used Public Services for Substance Use Treatment for All Ages 2014-2020



This data is from the Program Participation System. It is self-reported by county behavioral health agencies.

Source: Wisconsin Department of Health Services, 2021

# Waukesha County Treatment Court

## Waukesha County Drug Treatment Court (2012-2021)

<b>Total Served</b>	<b>392</b>
<b>Successful Graduation</b>	206 (61%)
<b>Unsuccessful Discharges</b>	131 (39%)
<b>Primary Drug of Abuse</b>	Heroin
<b>Secondary Drug of Abuse</b>	Prescription Opioids

Demographics	
<b>Race</b>	
<b>White</b>	361 (92%)
<b>African American</b>	3 (1%)
<b>Asian</b>	2 (1%)
<b>Other</b>	13 (3%)
<b>Ethnicity</b>	
<b>Hispanic</b>	13 (3%)
<b>Gender</b>	
<b>Male</b>	271 (69%)
<b>Female</b>	121 (31%)
<b>Age</b>	
<b>18-25</b>	143 (37%)
<b>26-32</b>	162 (41%)
<b>33-40</b>	64 (16%)
<b>41-50</b>	21 (5%)
<b>51+</b>	2 (1%)

## Waukesha County Operating While Intoxicated (OWI) Treatment Court (2016-2021)

<b>Total Served</b>	<b>690</b>
<b>Successful Graduation</b>	514 (78%)
<b>Unsuccessful Discharges</b>	143 (22%)
<b>Primary Drug of Abuse</b>	Alcohol

Demographics	
<b>Race</b>	
<b>White</b>	640 (93%)
<b>African American</b>	8 (1%)
<b>Asian</b>	1 (0.1%)
<b>Other</b>	8 (1%)
<b>Ethnicity</b>	
<b>Hispanic</b>	27 (4%)
<b>Gender</b>	
<b>Male</b>	512 (74%)
<b>Female</b>	178 (26%)
<b>Age</b>	
<b>18-25</b>	51 (7%)
<b>26-32</b>	161 (23%)
<b>33-40</b>	177 (26%)
<b>41-50</b>	166 (24%)
<b>51+</b>	135 (20%)

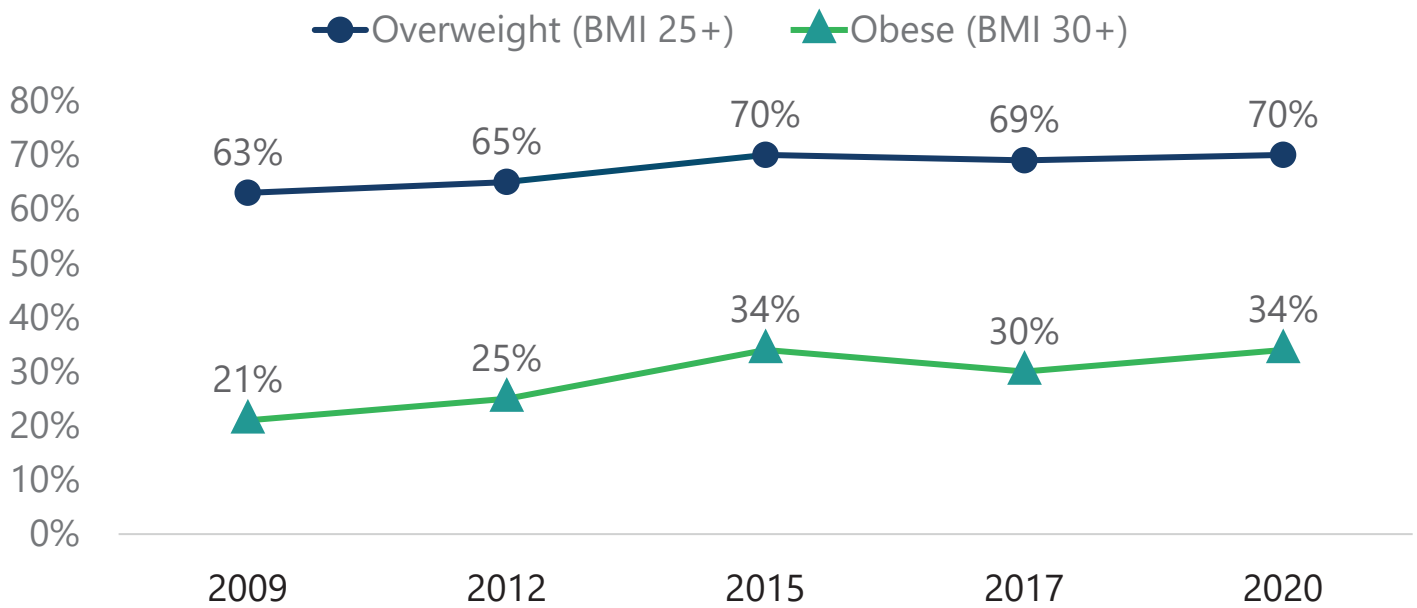
Source: Waukesha County Drug Treatment Court, 2022

# Physical Health

Respondents who were male, 35 to 44 years old, with some post high school education, in the middle 20 percent household income bracket or who did not meet the recommended amount of physical activity were more likely to be at least overweight.

Respondents 35 to 44 years old, 55 to 64 years old, with some post high school education or inactive respondents were more likely to be obese.

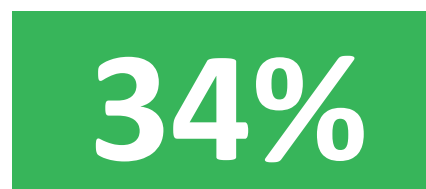
## Waukesha County Body Weight



**Overweight  
WI 2019**



**Obese  
WI 2019**



From 2009 to 2020, there was a **statistical increase** in the overall percent of respondents who were at least overweight or obese.

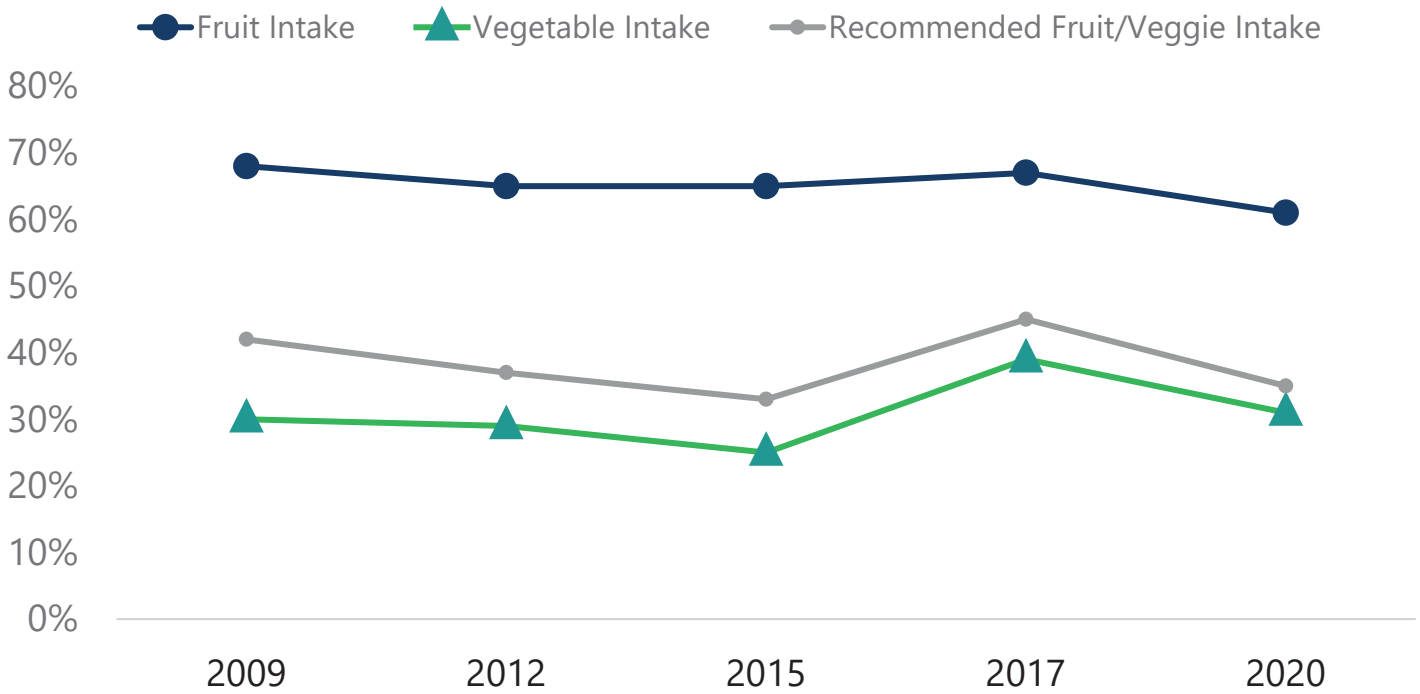
Source: Community Health Survey, 2020

# Waukesha County Nutrition

Based on the USDA dietary guidelines, at a minimum, adults should have three servings of vegetables each day. Age, gender and activity level may increase the recommended number of servings.

Based on the USDA dietary guidelines, at a minimum, adults should have two servings of fruit each day. Age, gender and activity level may increase the recommended number of servings.

## Fruit and Vegetable Intake in Waukesha County



Source: Community Health Survey, 2020

From 2009 to 2020, there was no statistical change in the overall percent of respondents who reported at least two servings of fruit on an average day.

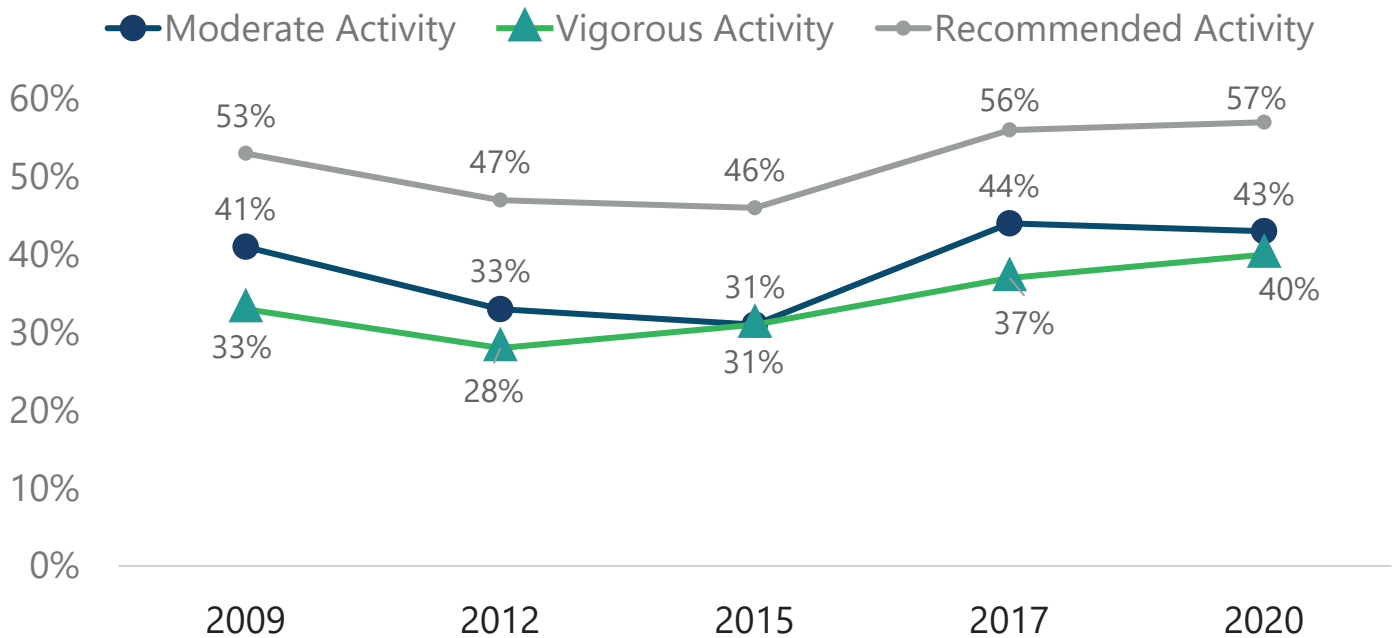
From 2009 to 2020, there was no statistical change in the overall percent of respondents who reported at least three servings of vegetables on an average day while from 2017 to 2020, there was a statistical **decrease**.

From 2009 to 2020, there was a **statistical decrease** in the overall percent of respondents who reported at least five servings of fruit/vegetables on an average day, as well as from 2017 to 2020.

# Waukesha County Physical Activity

The 2008 recommended amount of physical activity by the Centers for Disease Control and Prevention (CDC) is moderate activity for at least 30 minutes on five or more days of the week or vigorous activity for at least 20 minutes on three or more days of the week. Moderate physical activity includes walking briskly, bicycling, vacuuming, gardening or anything else that causes small increases in breathing or heart rate. Vigorous physical activity includes running, aerobics, heavy yard work, or anything else that causes large increases in breathing or heart rate. Insufficient physical activity includes participation in either activity, but not for the duration or the frequency recommended. Inactive respondents reported no moderate or vigorous physical activity in a usual week.

## Physical Activity in Waukesha County



Source: Community Health Survey, 2020

From 2009 to 2020, there was no statistical change in the overall percent of respondents who reported moderate physical activity five times a week for at least 30 minutes.

From 2009 to 2020, there was a statistical **increase** in the overall percent of respondents who reported vigorous physical activity three times a week for at least 20 minutes.

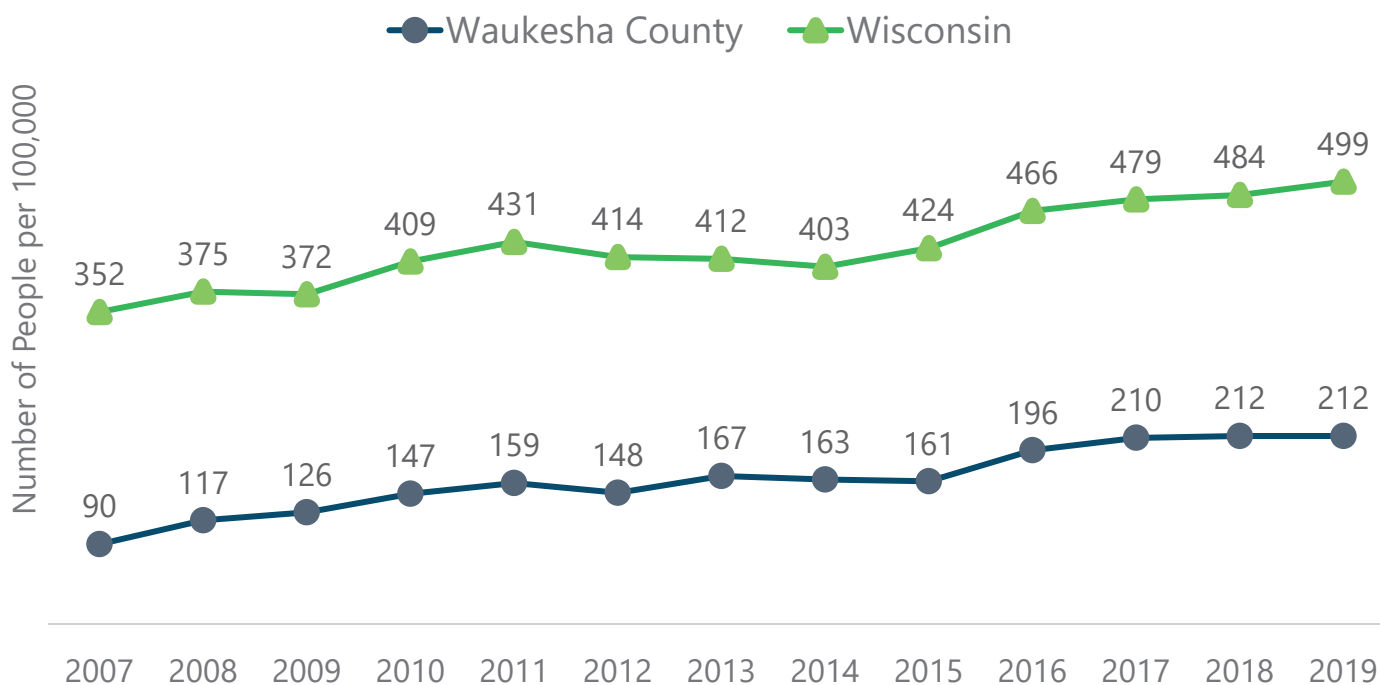
From 2009 to 2020, there was no statistical change in the overall percent of respondents who met the recommended amount of physical activity in a usual week, as well as from 2017 to 2020.



# Sexual Health

Chlamydia is the most reported bacterial sexually transmitted infection (STI) in the state and Waukesha County. Waukesha County is getting worse for the number of newly diagnosed chlamydia cases per 100,000 population.

**Chlamydia RATE** in Waukesha County and Wisconsin from 2007 to 2019



Source: County Health Rankings, 2022

# Chronic Conditions

## Chronic Conditions in Waukesha County in 2009, 2012, 2015, 2017, and 2020

Chronic Conditions	2009	2012	2015	2017	2020	WI 2019
<b>High Blood Pressure</b>	22%	26%	33%	31%	29%	NA
<b>High Cholesterol</b>	24%	25%	26%	26%	22%	NA
<b>Diabetes</b>	6%	7%	9%	12%	10%	NA
<b>Heart Disease</b>	6%	9%	7%	12%	8%	NA
<b>Asthma</b>	9%	8%	8%	11%	9%	10%

Source: Community Health Survey, 2020

From 2009 to 2020, there was a statistical **increase** in the overall percent of respondents who reported high blood.

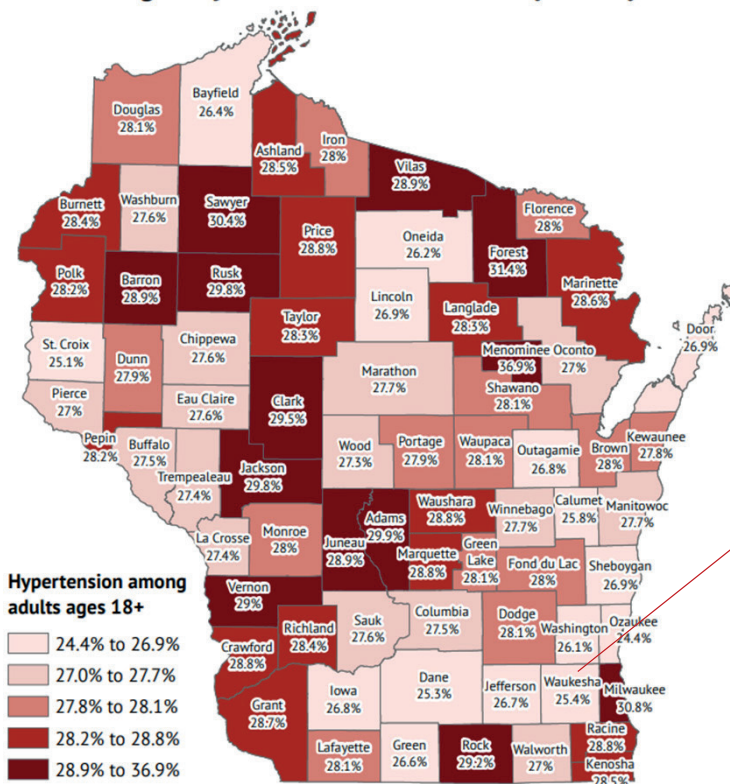
From 2009 to 2020, there was no statistical change in the overall percent of respondents who reported high blood cholesterol, diabetes or current asthma.

From 2009 to 2020, there was no statistical change in the overall percent of respondents who reported heart disease/condition while from 2017 to 2020, there was a statistical **decrease**.

# Chronic Conditions

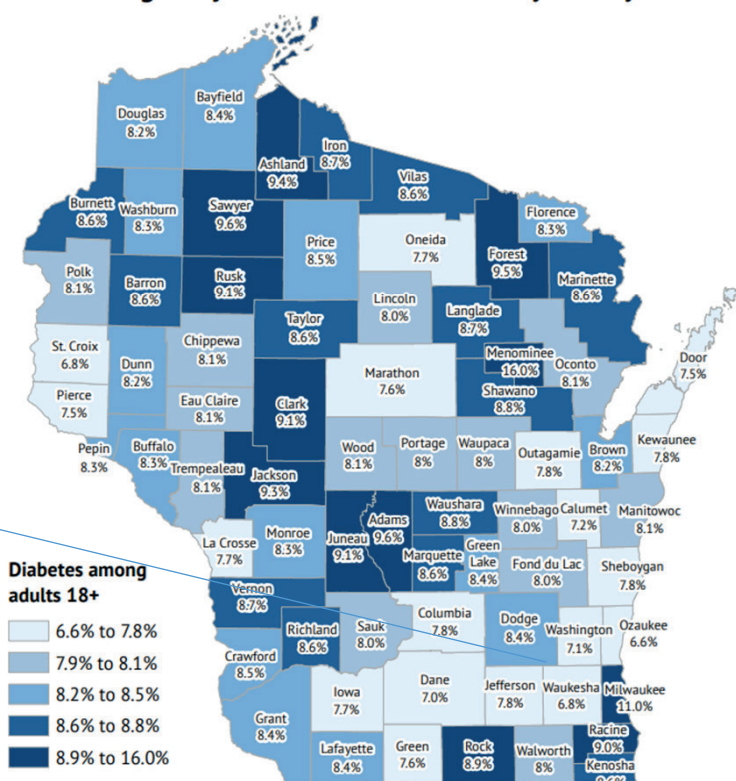
In WI, of those with diagnosed hypertension, nearly 20% also have diabetes.

**Wisconsin Hypertension  
Age-Adjusted Adult Prevalence by County**



**Waukesha County  
25.4%**

**Wisconsin Diabetes  
Age-Adjusted Adult Prevalence by County**



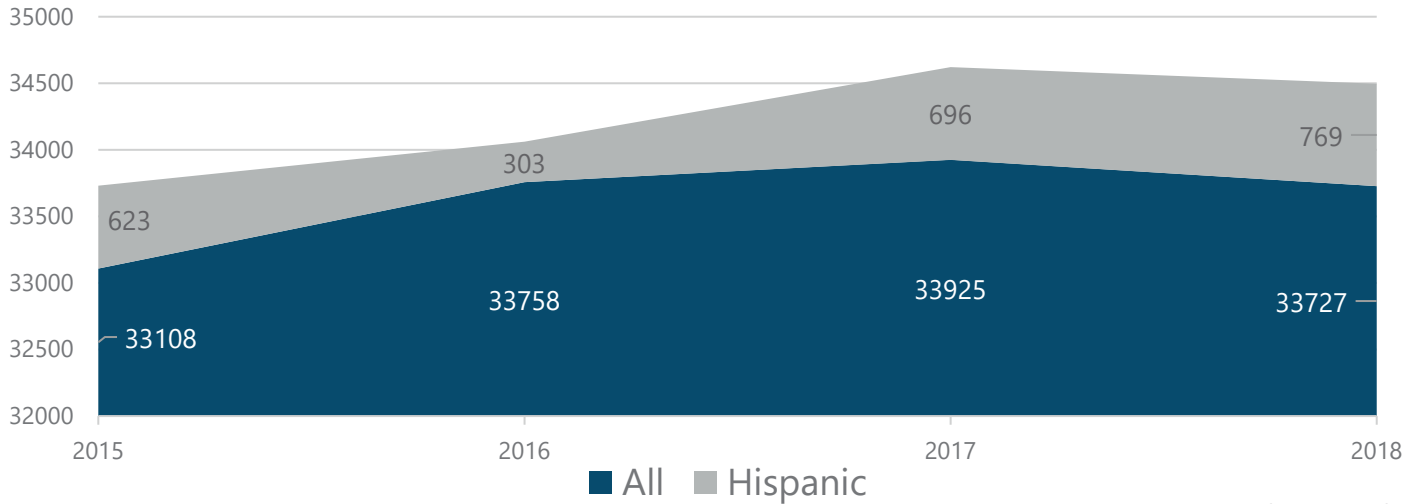
**Waukesha County  
6.8%**

Source: Wisconsin Department of Health Services, 2022

Data source: Centers for Disease Control and Prevention, National Center for Chronic Disease and Health Promotion, Division of Population Health, Atlanta, GA. Detail: Model-based estimates generated using BRFSS 2018 or 2017, Census 2010 population counts or census county population estimates of 2018 or 2017, and ACS 2014-2018 or ACS 2013-2017. Choropleth breaks use quantile classification, so 14 to 15 counties are in each group.

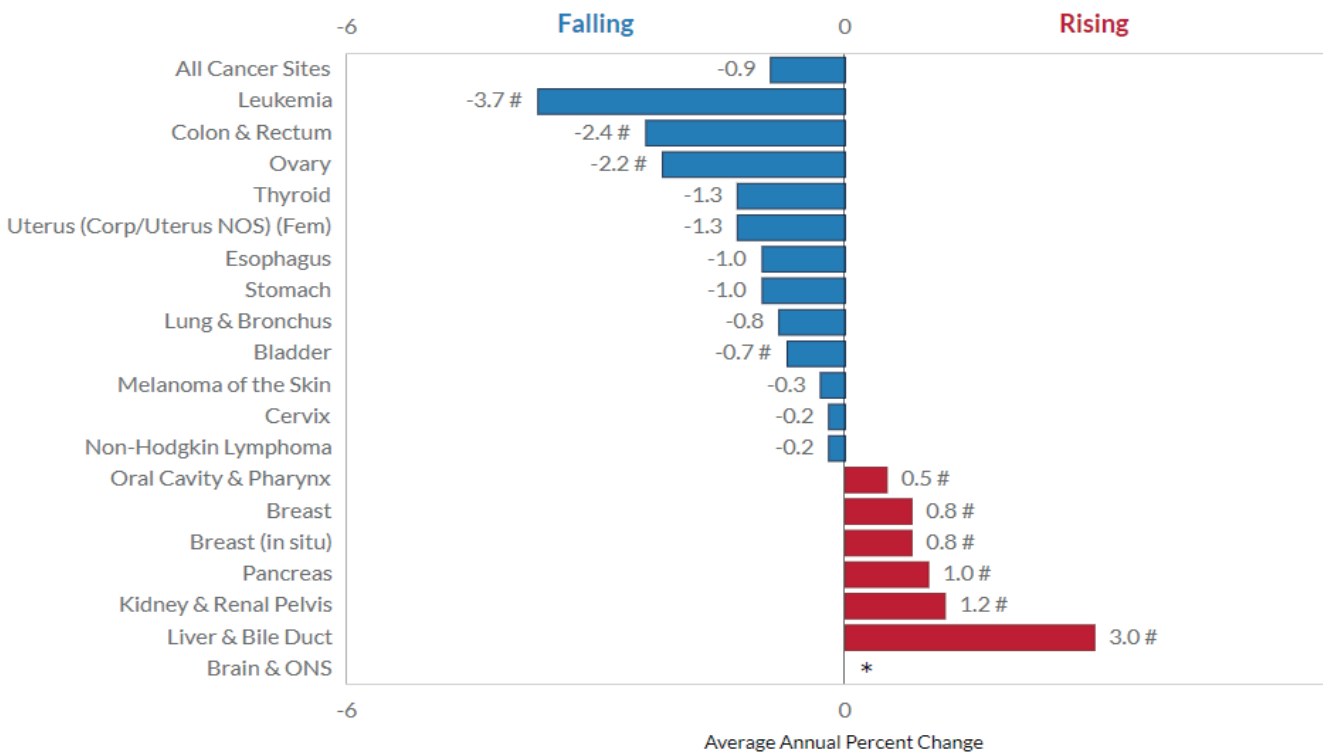
# Cancer

## Wisconsin Cancer Incidence from 2015 to 2018



Source: WISH

## 5-Year Rate Changes- Incidence Wisconsin, 2014-2018, All Ages, Females, All Races (incl Hisp)

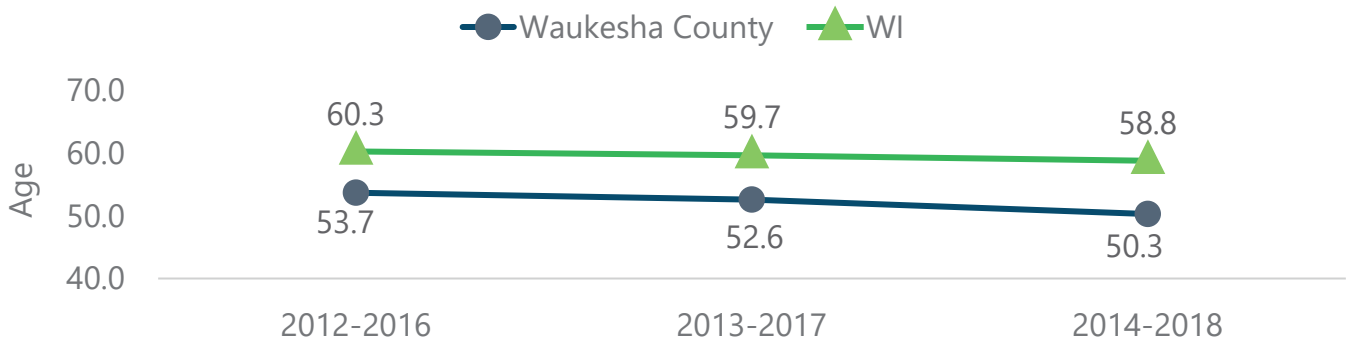


■ Falling 
 ■ Rising 
 ✱ Suppressed

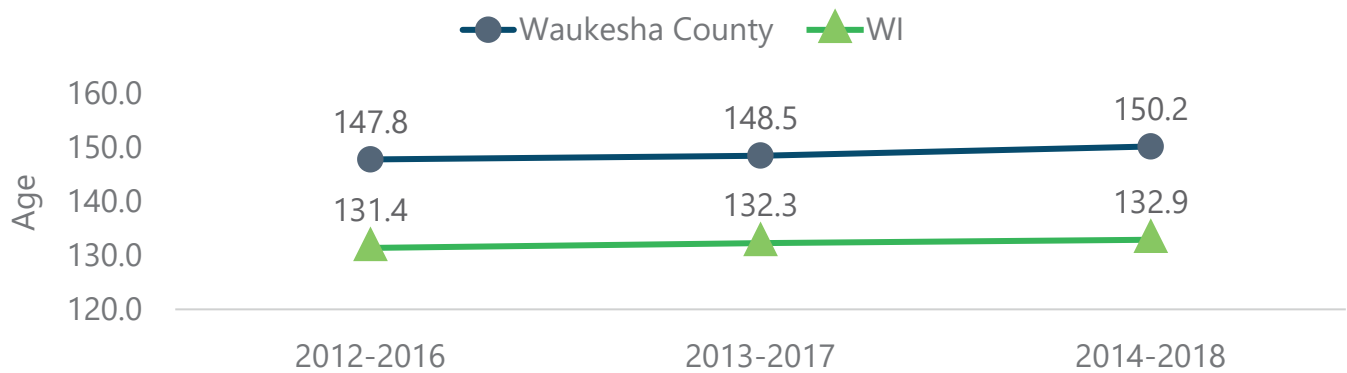
Source: State Cancer Profiles, 2014-2018

# Cancer

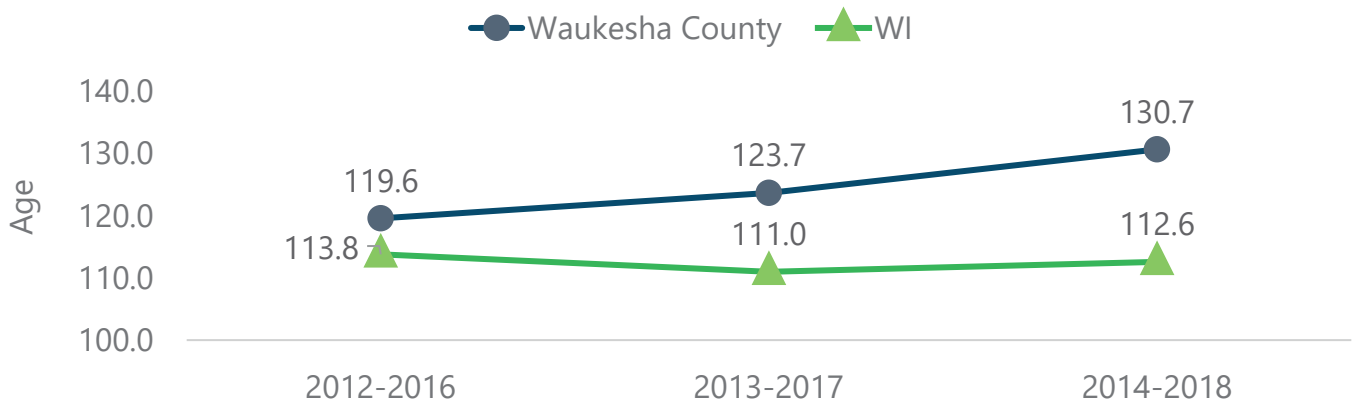
## Lung & Bronchus Cancer Age-Adjusted Incidence Rate



## Female Breast Cancer Age-Adjusted Incidence Rate



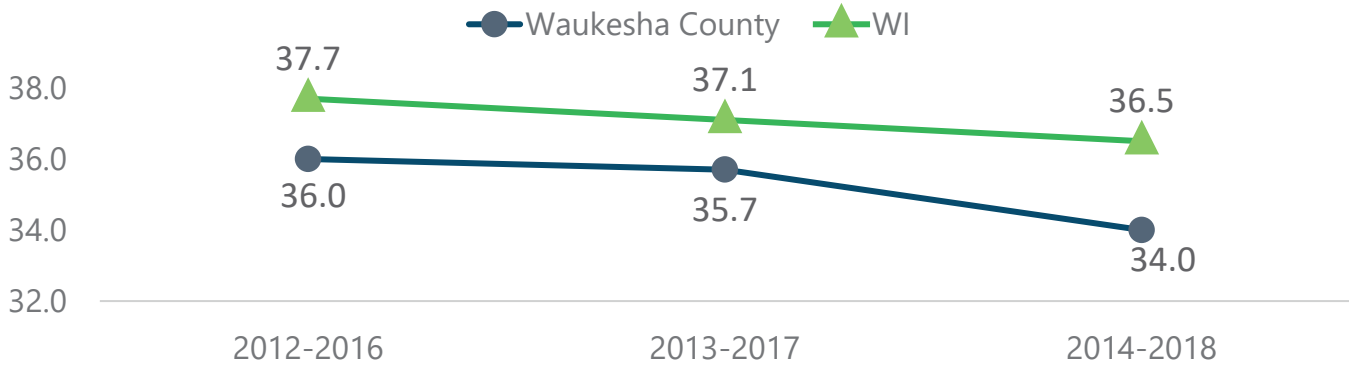
## Prostate Cancer Age-Adjusted Incidence Rate



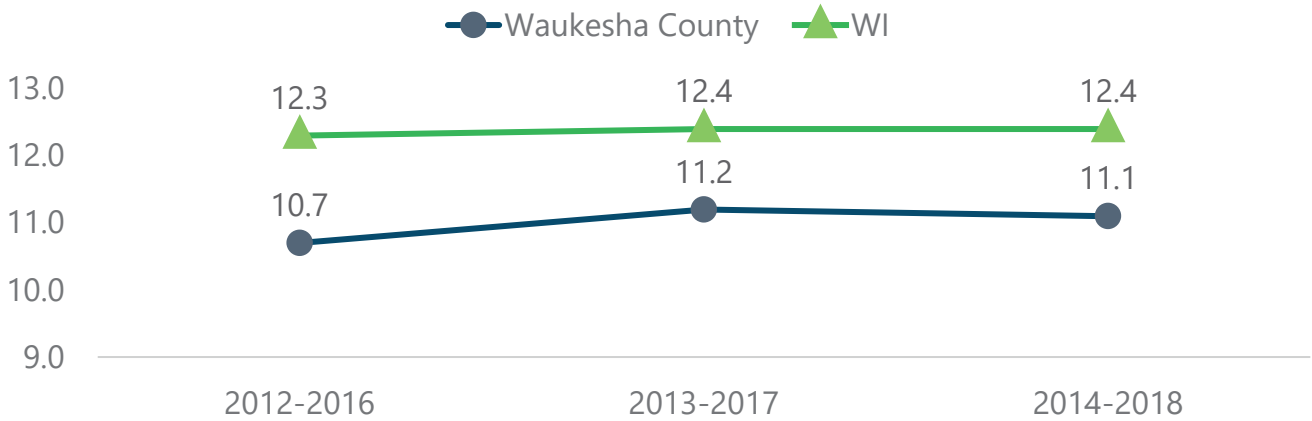
Source: State Cancer Profiles, 2022

# Cancer

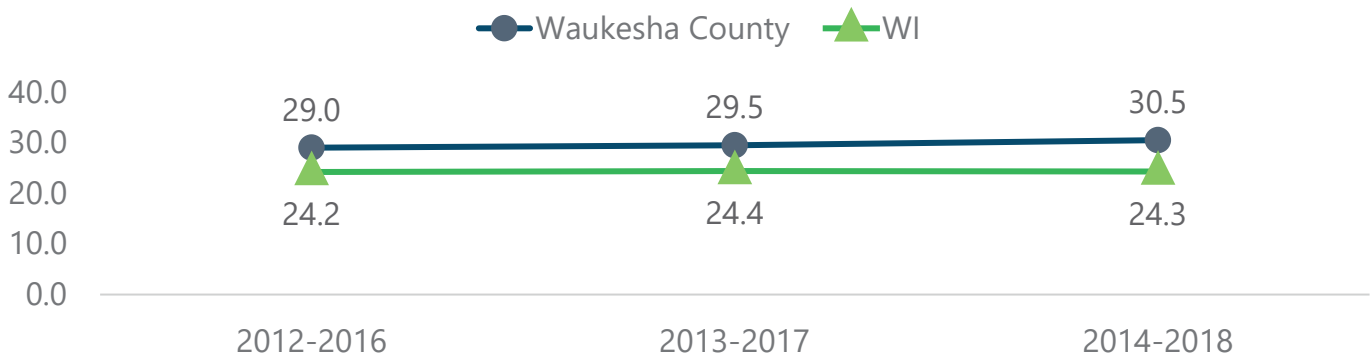
## Colorectal Cancer Age-Adjusted Incidence Rate



## Oral Cavity & Pharynx Cancer Age-Adjusted Incidence Rate



## Melanoma of the Skin Cancer Age-Adjusted Incidence Rate



Source: State Cancer Profiles, 2022

## DOMAIN 6

Definition: The physical environment directly impacts health and quality of life. Clean air and water, as well as safe home and yard environments, are essential to physical health. Exposure to environmental substances, such as lead, increases risk for preventable disease.



In Waukesha County a greater percentage of well water test results are above the EPA standard for Arsenic as compared to Wisconsin; while the opposite is true for Nitrate test results.

The percentage of residents on public drinking water that is fluoridated is less than the statewide average.

In Waukesha County, the percent of children tested with blood lead poisoning is almost 75% less than the Wisconsin average.

Waukesha County has a slightly increased occurrence of radon test results above 4pCi/L than the Wisconsin average.

Waukesha County sees a smaller average rate of ER visits for carbon monoxide poisoning as compared to the statewide average.

Air quality in Waukesha County is below the National Ambient Air Quality Standards for ozone and particulate matter.

Bats more frequently test positive for rabies than other species submitted for testing. This is consistent with the rest of Wisconsin.

For the years of 2016-2019 there was a decrease in Risk Factor violations per inspection for moderate and high complexity restaurants.

Waukesha County has one alcohol license per 500 people while the statewide average is one alcohol license per 333 people.

The percent of Waukesha County residents with adequate access to locations for physical activity has increased slightly over time to a current 95% of the population which is greater than the statewide average of 85%.

While the gap for Food Environment Index between the State and County has narrowed over time, Waukesha County shows a higher index. This is a measure of factors that contribute to a healthy food environment.

Compared to the Wisconsin Average, a smaller percentage of Waukesha County residents are food secure and qualify for public food assistance.

# Private Well Water

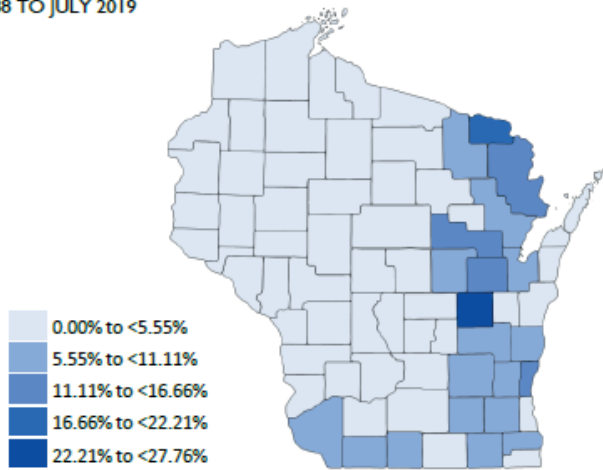
Data for private well water is from samples collected from 1988 to July 2019. The maps include results of 47,748 arsenic samples and 192,706 nitrate samples. The number of samples collected varies from year to year and by county.

**Arsenic** can be from natural sources in rock formations or from sources such as pesticides or treated wood. It can cause rashes, stomach problems, and may increase risk for certain cancers. **Nitrate** can be from natural sources or sources such as fertilizers or human and animal waste. It is the most common groundwater contaminant in Wisconsin. It can cause birth defects and babies who drink it are at risk of Blue Baby Syndrome (limits ability to carry oxygen in the blood)

## Arsenic in Private Wells in Wisconsin

### ARSENIC IN PRIVATE WELLS

PERCENT OF TEST RESULTS ABOVE EPA STANDARD OF 10 µg/L  
1988 TO JULY 2019

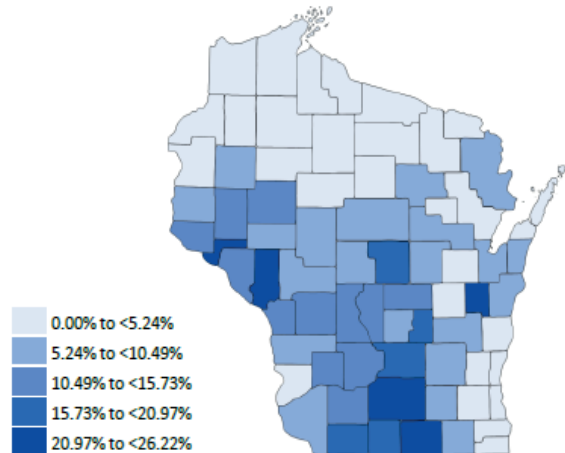


Source: UW-Stevens Point Well Water Viewer

## Nitrate in Private Wells in Wisconsin

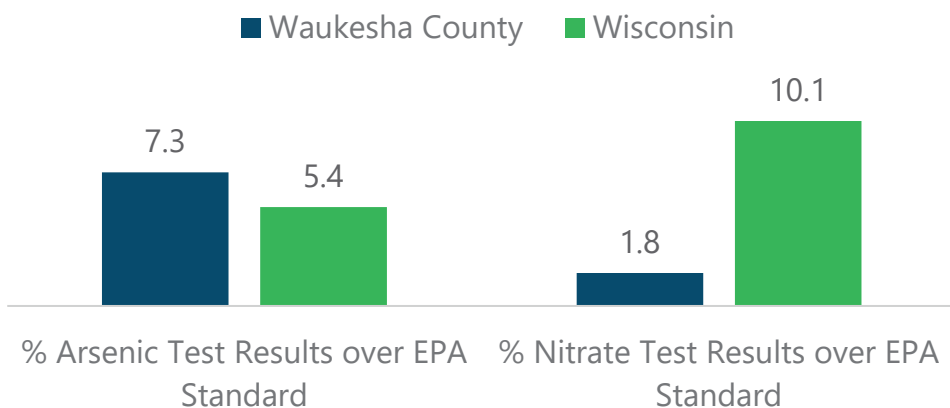
### NITRATE IN PRIVATE WELLS

PERCENT OF TEST RESULTS ABOVE EPA STANDARD OF 10 mg/L  
1988 TO JULY 2019



Source: UW-Stevens Point Well Water Viewer

## Percent of Private Well Water Test Results Above EPA Standards



Nitrate maximum contaminant level set by EPA = 10 mg/L

Arsenic maximum contaminant level set by EPA = 10 µg/L

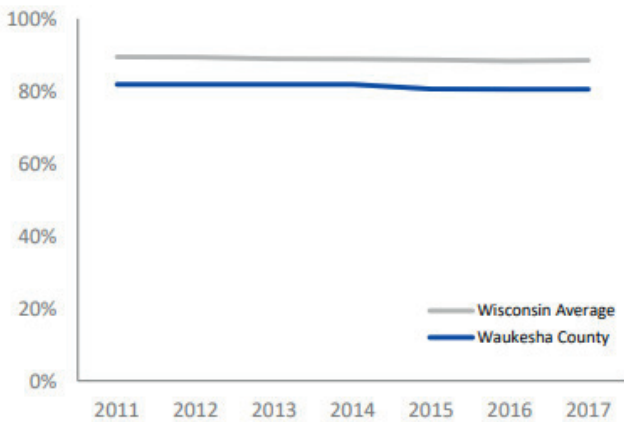
Source: 2021 Waukesha County Environmental Health Profile



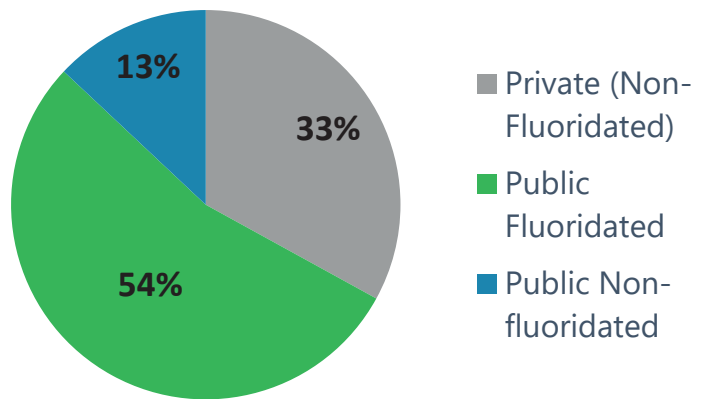
# Fluoride

In Waukesha County 80.5% of the population on public drinking water have access to fluoridated water. Oral health is integral to general health. Tooth decay is a chronic preventable disease affecting all age groups.

**Percent of Population with Fluoridated Public Water**



**Waukesha County Residential Water Supply and Fluoridation Status by Percent of Population**



## Water Use Data for Wisconsin

Refresh Date: June 2018

Year(s): ALL

Area: County

County Code(s): 133

County Name(s): Waukesha County

Category Code(s): PS

Category Name(s): Public Supply

\* Click table headers to sort, use shift for sorting multiple columns. Click a row to highlight for greater

State Code	State Name	County Code	County Name	Year	Public Supply population served by groundwater, in thousands	Public Supply population served by surface water, in thousands	Public Supply total population served, in thousands
55	Wisconsin	133	Waukesha County	2015	195.320	69.274	264.594
55	Wisconsin	133	Waukesha County	2010	190.692	67.930	258.622
55	Wisconsin	133	Waukesha County	2005	236.676	42.013	278.689
55	Wisconsin	133	Waukesha County	2000	254.440	0.000	254.440
55	Wisconsin	133	Waukesha County	1995	249.060	0.000	249.060
55	Wisconsin	133	Waukesha County	1990	227.000	0.000	227.000
55	Wisconsin	133	Waukesha County	1985	175.050	0.000	175.050

Source: [https://waterdata.usgs.gov/wi/nwis/water\\_use/](https://waterdata.usgs.gov/wi/nwis/water_use/)

## Calculating Waukesha County Residential Water Supply

Total Waukesha County population in 2015 = 396,488  
 Total population on public water supply = 264,594

$264,594 \times 80\%$  (from EH Profile Report) = 211,675 = population on fluoridated public water supply = 54% of total population

$264,594 - 211,675 = 52,919$  = population on non-fluoridated public water supply = 13% of total population

$396,488 - 264,594 = 131,844$  = population on private water supply = 33% of total population

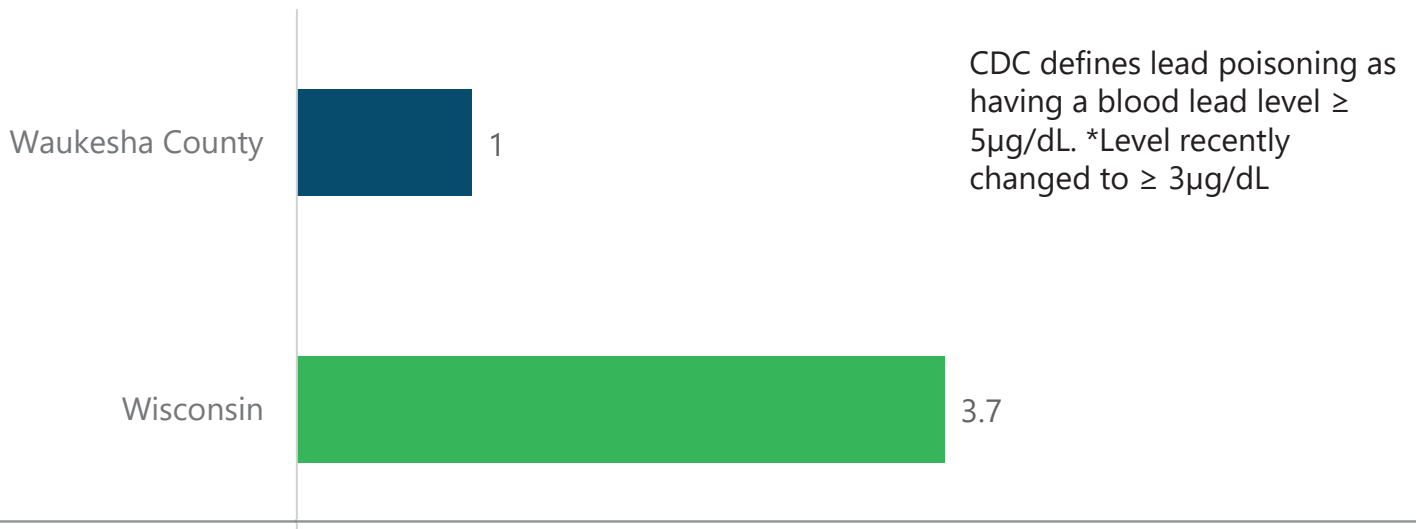
Source: 2021 Waukesha County Environmental Health Profile

# Chemicals / Home Hazards – Childhood Lead Poisoning

Lead poisoning slows growth and development in children, particularly in the brain. Lead poisoning is also associated with problems later in life, such as poor academic outcomes and increased incarceration.

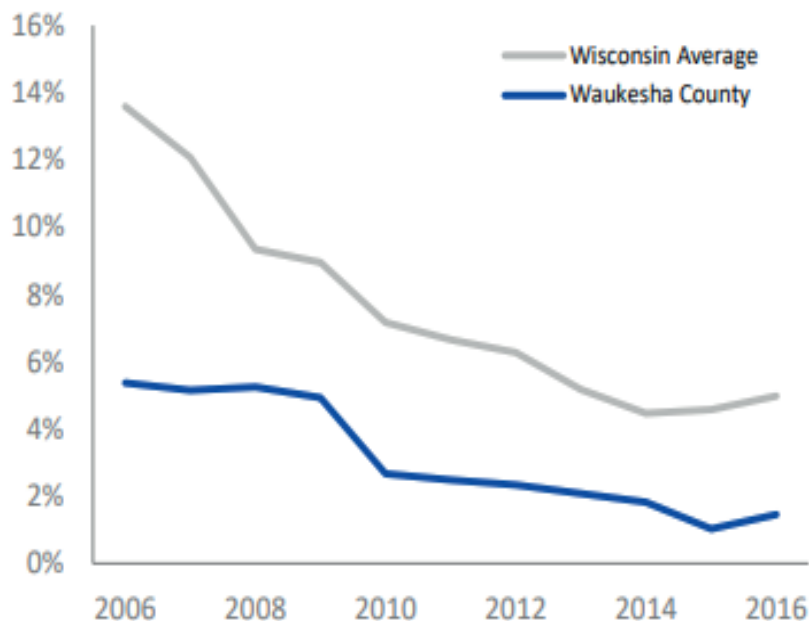
## Percent of Tested Children with Blood Poisoning in Waukesha County and Wisconsin

■ Wisconsin ■ Waukesha County



### CHILDHOOD LEAD POISONING

PERCENT OF TESTED CHILDREN WITH BLOOD LEAD  $\geq 5\mu\text{g/dL}$



Source: 2019 and 2021 Waukesha County Environmental Health Profile

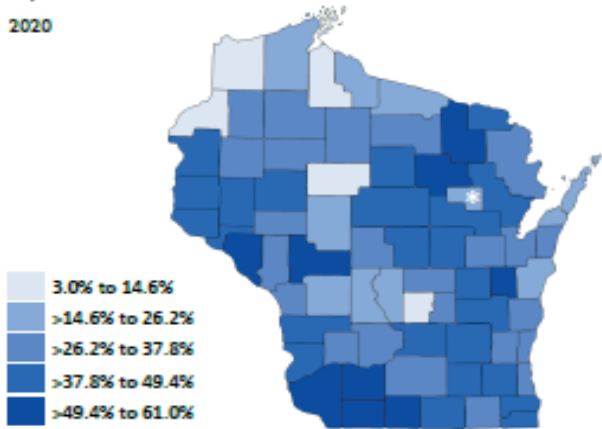
# Radon

## RADON

PERCENT OF TESTS WITH RESULTS  $\geq 4$  pCi/L

16,345 TOTAL TESTS

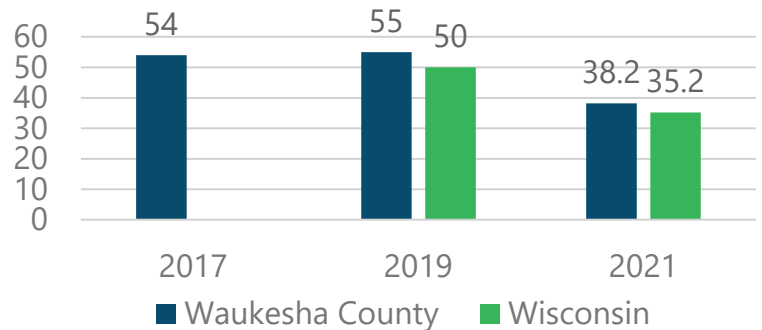
2020



Note: The data for this map represent the percent of tests with results at or above the EPA standard of 4 pCi/L. The white asterisk denotes a county with 5 tests from 2017-2020. All other counties display data from 2020 only. These percentages may not be representative of radon levels for the entire county and should be interpreted with caution.

Radon is a naturally occurring gas that is radioactive and can cause lung cancer. Radon can leak into homes and other buildings through cracks in the foundation. It is common in Wisconsin.

## Percent of Tests with Results $\geq 4$ pCi/L

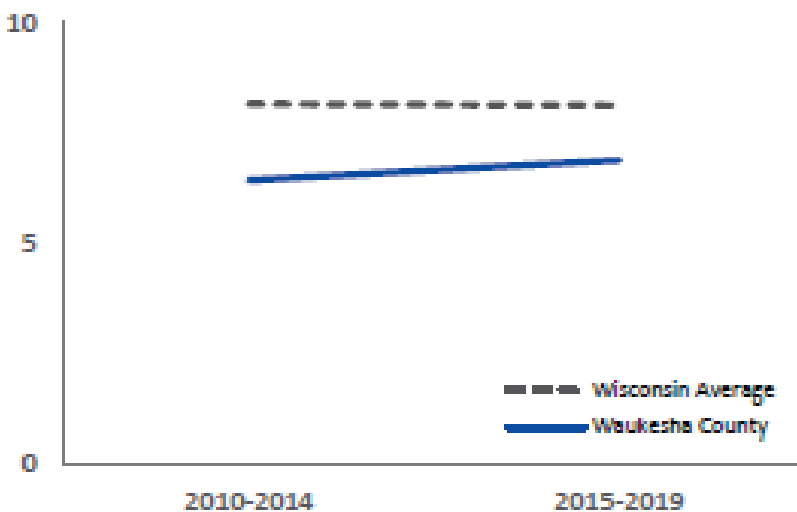


Source: 2019 and 2021 Waukesha County Environmental Health Profile, Waukesha County EH Alpha Energy Test Results Summary Report

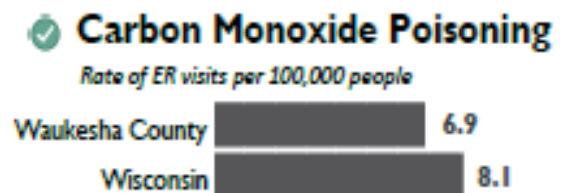
# Carbon Monoxide Poisoning

## CARBON MONOXIDE POISONING

RATE OF ER VISITS PER 100,000 PEOPLE



Carbon monoxide (CO) poisoning prevents oxygen from getting to the body, which can damage tissue and even cause death. CO is a toxic, odorless, colorless gas that is created whenever fuel or other materials are burned.

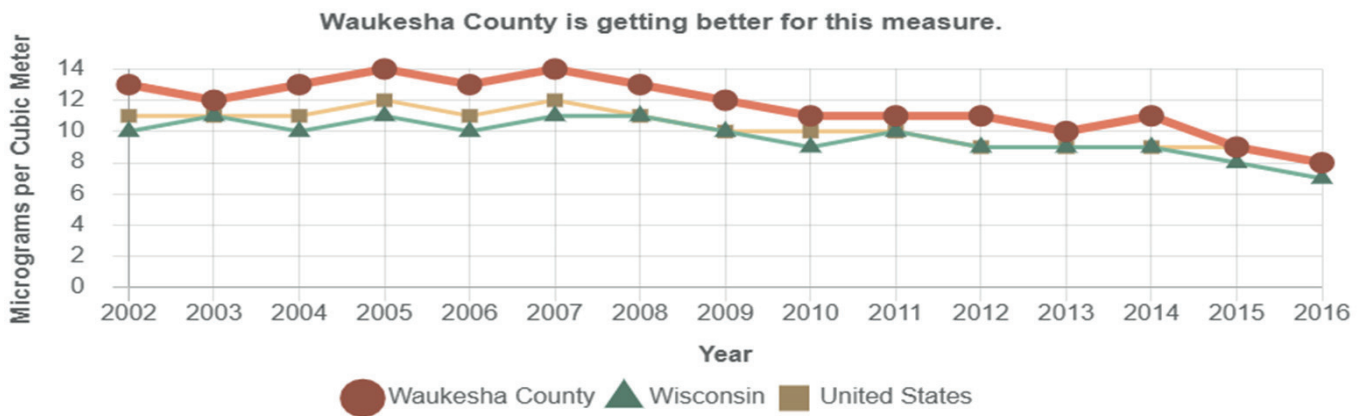


Source: 2021 Waukesha County Environmental Health Profile

# Air Quality

Particulate matter describes very tiny particles that settle in our lungs after being inhaled. The "2.5" in "particulate matter 2.5 (PM2.5)" refers to the size of the particles, which are smaller than the width of a human hair.

**Air pollution - particulate matter in Waukesha County, WI**  
**Average Density of Fine Particulate Matter: County, State and National Trends**

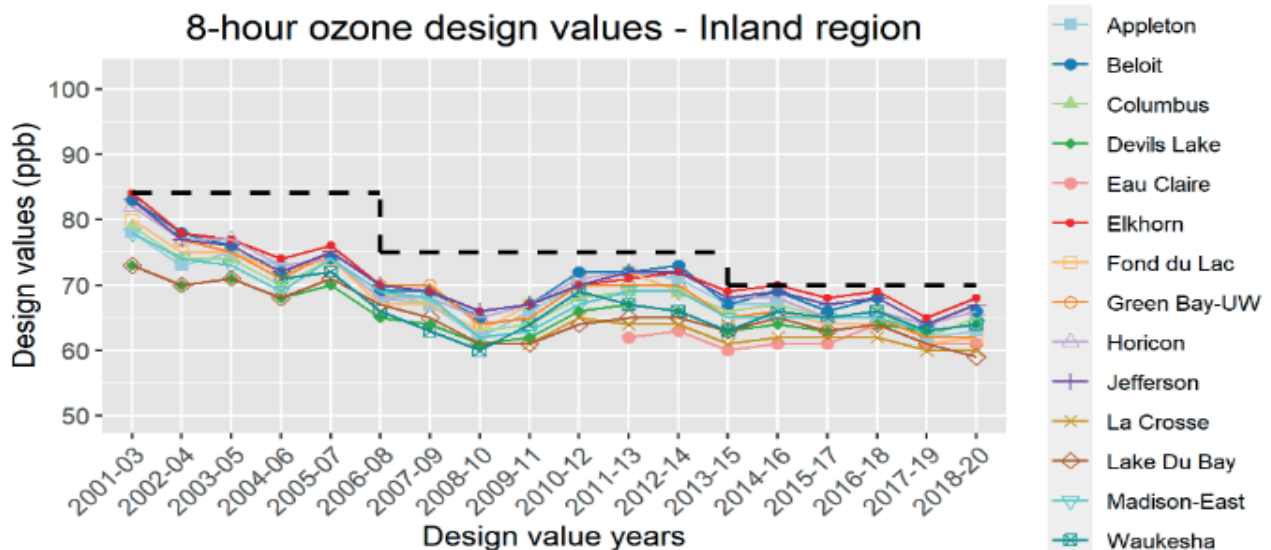


Notes:  
 Data in this trend graph are taken from the Environmental Public Health Tracking Network, and will not match data used in the 2014-2016 Rankings.

Ozone comes from vehicle emissions and industrial facilities. Both particulate matter and ozone can trigger health problems, especially in people with breathing conditions like asthma.

Counties on Wisconsin's eastern edge tend to have more days above the standard. Scientists hypothesize cool lake air can trap emissions.

Source: 2021 Wisconsin Air Quality Trends Report (DNR) [Wisconsin's Air Quality Trends](#)



# Air Quality Index

Waukesha County has been consistently been rated to have a Moderate Air Quality Index from 2001 to 2018.

## How AQI ranges correspond to ozone and PM<sub>2.5</sub> concentrations

Color coded chart showing ozone and PM<sub>2.5</sub> concentration ranges for each AQI level

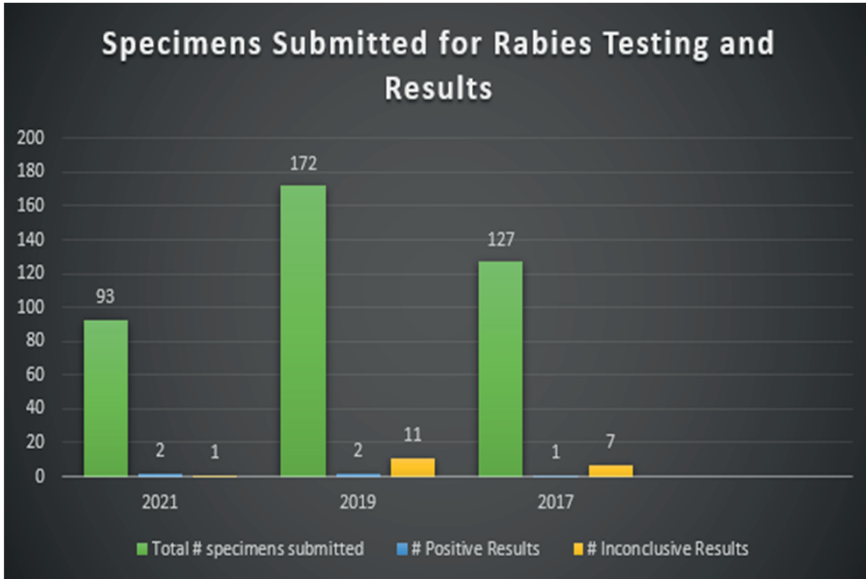
AQI Levels of Health Concern	Numerical Value	8-hr Ozone (ppb)	24-hr PM <sub>2.5</sub> (ug/m <sup>3</sup> )
Good	0-50	0-54	0.0 to 12.0
Moderate	51-100	55-70	12.1 to 35.4
Unhealthy for Sensitive Groups	101-150	71-85	35.5 to 55.4
Unhealthy	151-200	86-105	55.5 to 140.4
Very Unhealthy	201-300	106-200	140.5 to 210.4
Hazardous	> 300	> 201	> 210.4

The ozone AQI is calculated from 8-hour rolling average concentrations. The PM<sub>2.5</sub> AQI is calculated using the 24-hour rolling average concentrations.

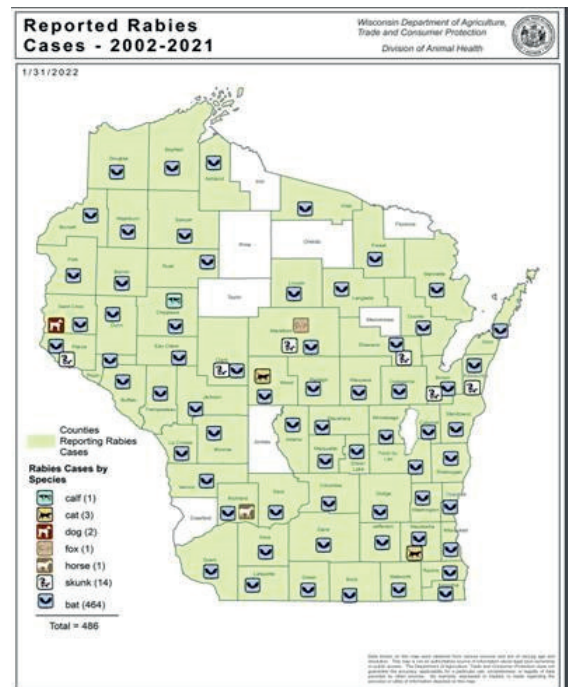
Source: WI Air Quality Monitoring Data (DNR)

# Animal Bites & Rabies

Rabies is a viral disease that affects the central nervous system. It is transmitted from infected animals to other animals and humans. All mammals are susceptible to rabies. In Wisconsin, skunks and bats are the most likely animals to carry the rabies virus, although rabies also has occurred sporadically in dogs, cats, foxes, raccoons and livestock. We most frequently see positive rabies test results in bats, likely because there are more opportunities for human interaction with bats than skunks.

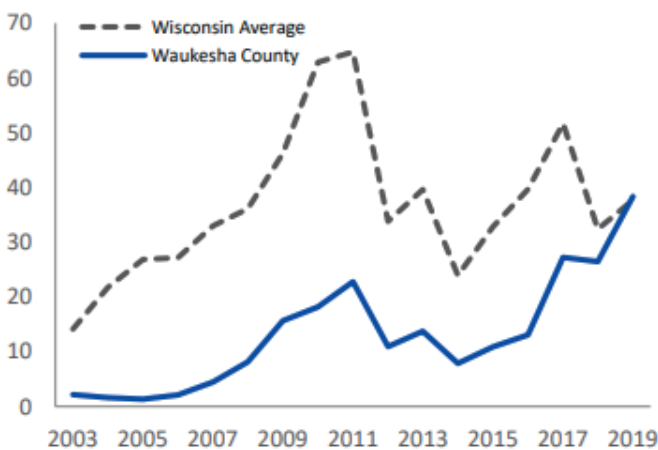


Source: 2021 Waukesha County Environmental Health Profile



Source: DATCP

## Lyme Disease Crude Rate per 100,000 People in Waukesha County



Source: 2021 Waukesha County Environmental Health Profile

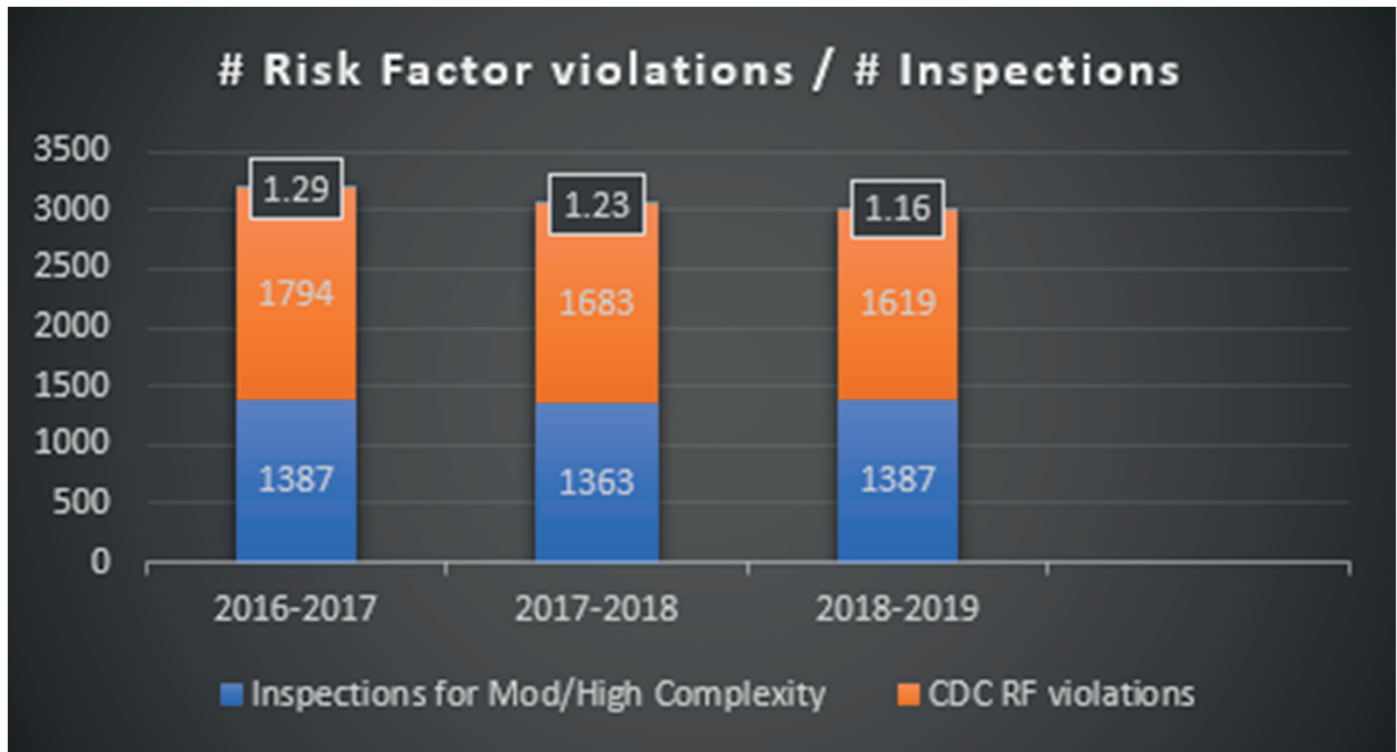
**Lyme Disease**  
 Rate per 100,000 people

Waukesha County	<b>38.4</b>
Wisconsin	<b>37.7</b>

# Food Safety

Foodborne illness risk factors are food handling practices and behaviors commonly identified by the CDC as contributing factors in foodborne illness at the retail level. The identified risk factors include:

- Food from Unsafe Sources
- Inadequate Cooking
- Improper Holding Temperatures
- Contaminated Equipment
- Poor Personal Hygiene of Food Employees



Data provided is from Waukesha County HealthSpace database used for licensing and inspection. This particular report has been non functional since 2019 due to changes in HealthSpace and upcoming transition to new version. Statewide data also not available at this time.

# Built Environment

**Food Environmental Index:** Index of factors that contribute to a healthy food environment, from 0 (worst) to 10 (best).

Year	Waukesha County	Wisconsin
2019	9.0	8.8
2020	9.1	8.8
2021	9.3	9.0
2022	9.2	8.7

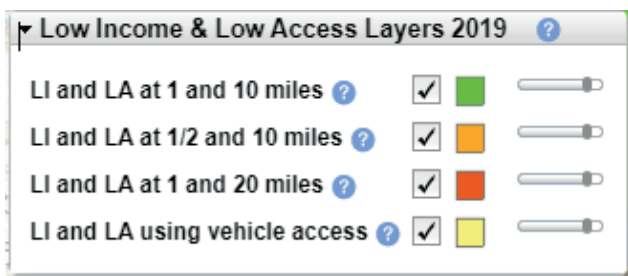
Factors:

1) Limited access to healthy foods estimates the percentage of the population that is low income and does not live close to a grocery store.

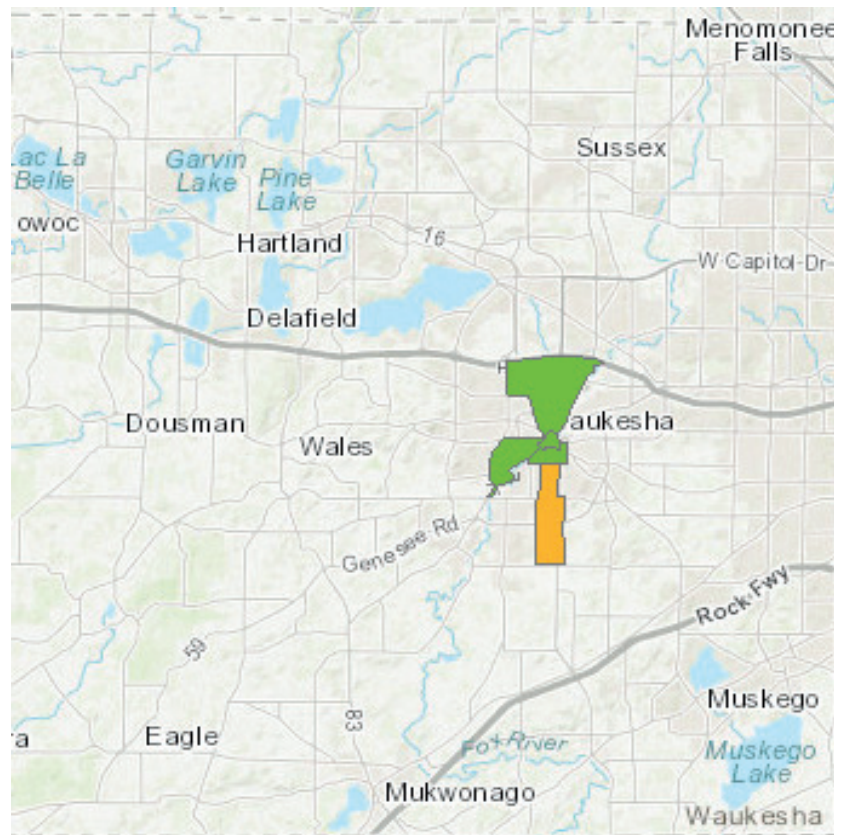
2) Food insecurity estimates the percentage of the population that did not have access to a reliable source of food during the past year.

Source: 2022 County Health Rankings

**Food Desert:** The United States Department of Agriculture (USDA) define a food desert as an area that has either a poverty rate greater than or equal to 20% or a median family income not exceeding 80% of the median family income in urban areas, or 80% of the statewide median family income in nonurban areas



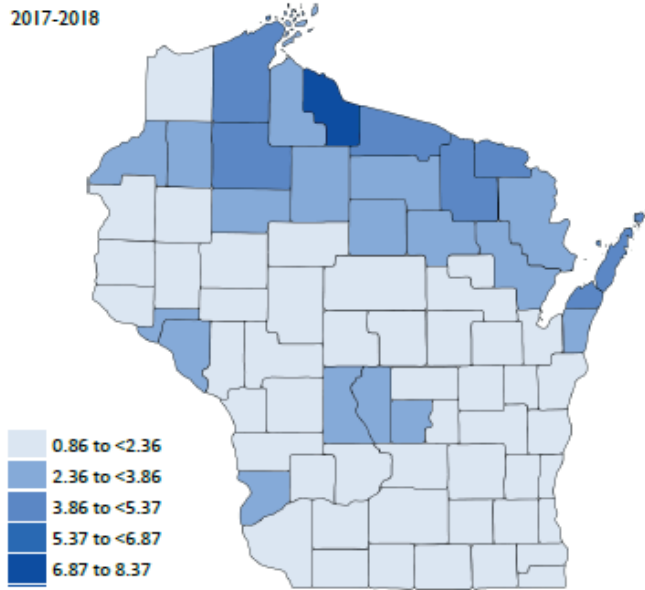
Source: USDA Food Access Research Atlas



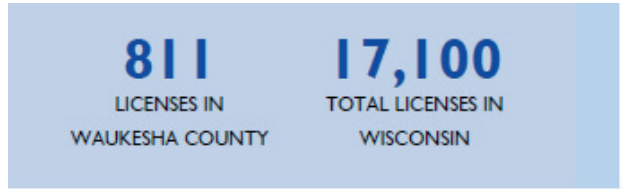


# Alcohol Outlet Density

**ALCOHOL OUTLET DENSITY**  
 CRUDE RATE OF ALCOHOL LICENSES  
 PER 500 PEOPLE  
 2017-2018



## 2021 Profile

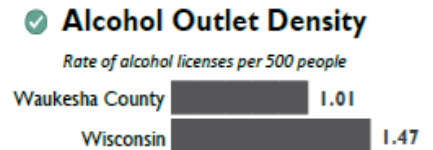


## 2019 Profile



**1.0**

**ALCOHOL OUTLET DENSITY**  
 RATE OF  
 ALCOHOL LICENSES  
 PER 500 PEOPLE  
 WISCONSIN: 1.5



Source: 2021 Waukesha County Environmental Health Profile

# Access to Exercise Opportunities

Access to Exercise Opportunities measures the percentage of individuals in a county who live reasonably close to a location for physical activity.

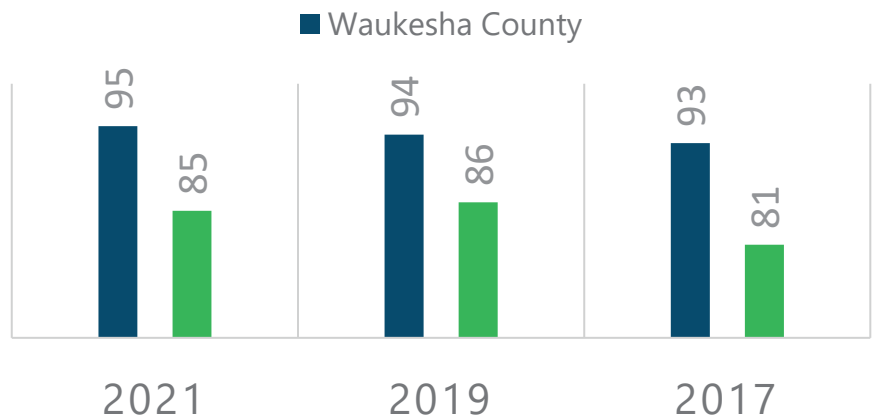
**Waukesha County Greenspace**

Acres of Public Parks **21,000**

Ft<sup>2</sup> Per Capita **2,263**

Miles of trails for biking /hiking /cross country skiing/snowmobile **400**

## Percent of Population with Adequate Access to Locations for Physical Activity



## DOMAIN 7

Definition: This category represents social and mental factors and conditions which directly or indirectly influence overall health status which contribute to individual and community quality of life. Mental health conditions and overall psychological well-being and safety may be influenced by child maltreatment, access to mental health care, school attendance and exposure to violence within the home and within the community.



Short term/situational needs increased steadily from 2017-2019 and slightly decreased in 2020.

The number of Waukesha County residents served for mental health received an increasing proportion of all state mental health services provided by DHHS from 2015-2020.

The percentage of adults in Waukesha County with 14 or more days of poor mental health per month is 11% compared to 13% for WI.

The percentage of adults with fewer than 7 hours of sleep on average is 35% compared to 33% for WI.

The percentage of adults in Waukesha County that seldom or never find meaning or purpose in daily life has slightly increased from 2009 to 2020.

The number of non-duplicated cases investigated for child abuse has decreased from 2017-2020 with a slight up tick in 2021. The number of non-duplicated cases of child abuse has remained relatively the same at around 125 per year in Waukesha County.

### **Mental Health Service Needs**

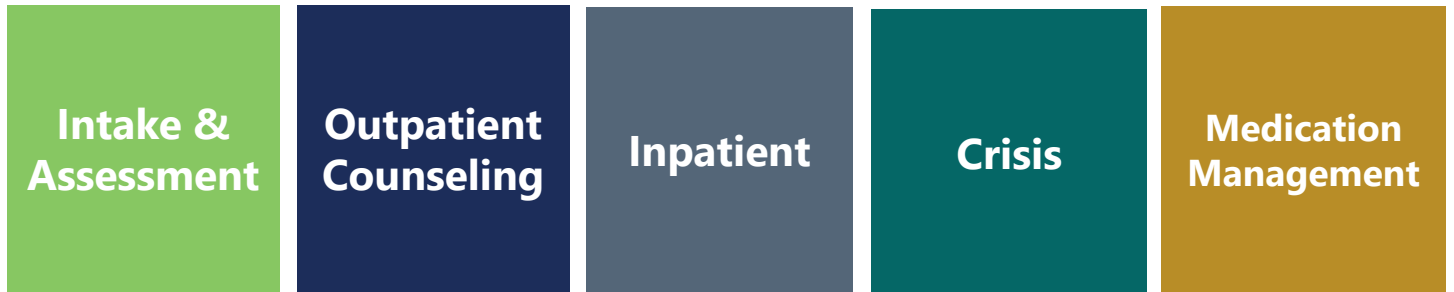
Waukesha County residents continue to need similar levels of high intensity, low intensity and short term/situational services. Short term/situational needs increased steadily from 2017-2019 and slightly decreased in 2020 potentially because less people were seeking in person services during the beginning of the COVID-19 pandemic. Experts expect all service needs to increase due to the COVID-19 pandemic.

### **Number of People of All Ages Served**

The number of people served for mental health by DHHS in Wisconsin continued to increase from 2015-2019. There was a decrease in the number of people served in 2020 by DHHS perhaps because less people were willing to receive in person services due to the COVID-19 pandemic. In addition, the number of Waukesha County residents served by DHHS for mental health received an increasing proportion of all state mental health services provided by DHHS from 2015-2020.

# Mental Health

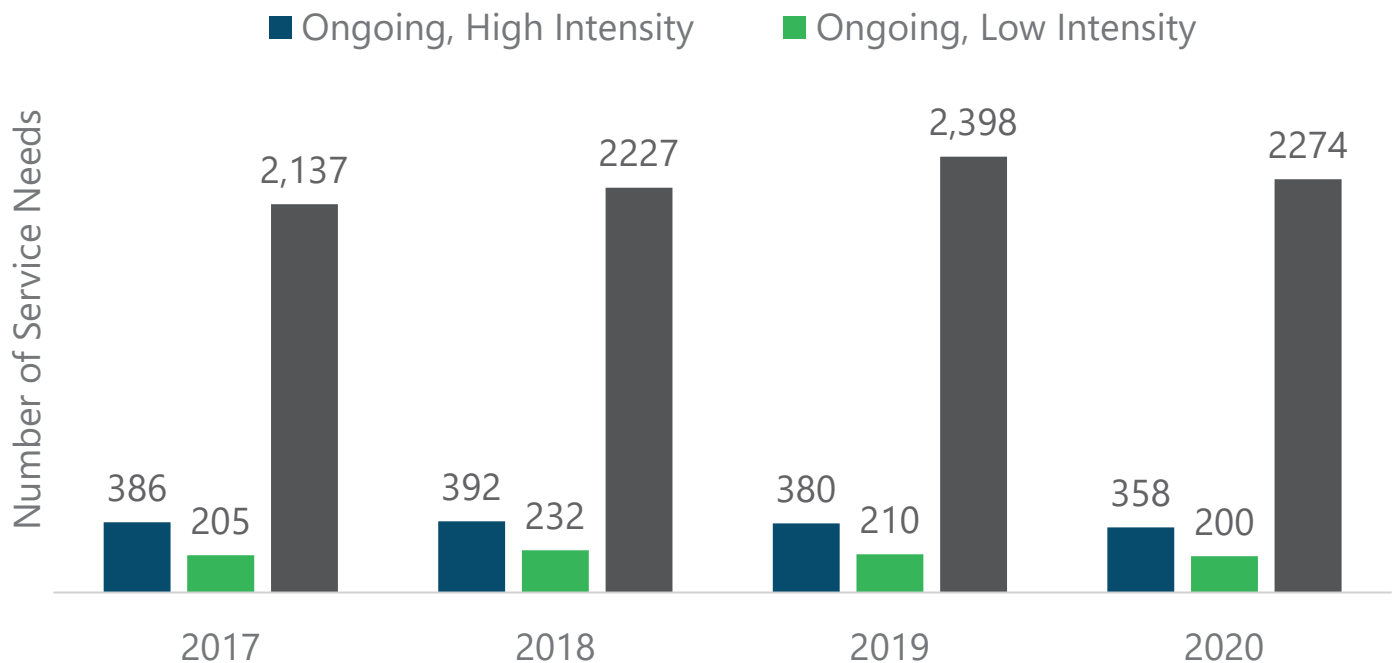
## Top 5 Most Used Public Mental Health Services in Waukesha County for All Ages 2015-2020



Waukesha County residents continue to need similar levels of high intensity, low intensity and short term/situational services. Short term/situational needs increased steadily from 2017-2019 and slightly decreased in 2020 potentially because less people were seeking in person services during the beginning of the COVID-19 pandemic. Experts expect all service needs to increase due to the COVID-19 pandemic.

## Public Mental Health Service Needs in Waukesha County for All Ages 2017-2020

Source: Wisconsin Department of Health Services. County Services –Mental Health (web query). Data last updated 4/30/2021



This data is from the Program Participation System. It is self-reported by county behavioral health agencies.

## Mental Health Services

The number of people served for mental health in Wisconsin continued to increase from 2015-2019. There was a decrease in the number of people served in 2020 perhaps because less people were willing to receive in person services due to the COVID-19 pandemic. In addition, the number of Waukesha County residents served for mental health received an increasing proportion of all state mental health services from 2015-2020. How does this compare to the population of Waukesha County? If the population has stayed relatively the same this could indicate that more people in Waukesha County are receiving mental health services over time.

### Number of People Served for Public Mental Health Services 2015-2020

Year	Waukesha County	Wisconsin	Percentage
2015	1,324	61,514	2.1%
2016	1,643	65,486	2.5%
2017	2,728	71,177	3.8%
2018	2,851	73,140	3.9%
2019	2,988	74,840	3.9%
2020	2,832	68,324	4.1%

Wisconsin Department of Health Services, County Services – Mental Health (web query) [DHS WI Mental Health](#). Data last updated 4/30/2021

This data is from the Program Participation System. It is self-reported by county behavioral health agencies.

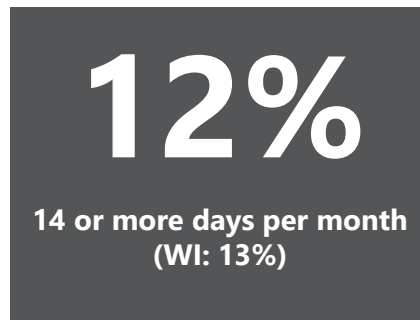
# Mental Health Status

The average number of poor mental health days in adults in Waukesha County in the past 30 days was 3.7 days. The percentage of adults in Waukesha County with 14 or more days of poor mental health per month is 12%. The percentage of adults with fewer than 7 hours of sleep on average is 28%.

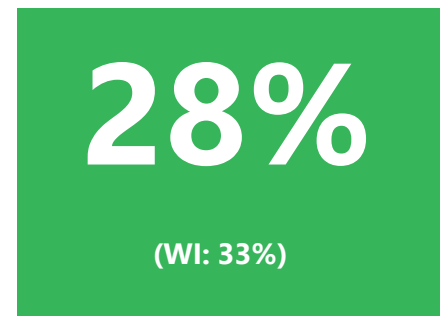
## Average Number of Poor Mental Health Days



## Frequent Mental Distress



## Average Sleep



Source: 2021 County Health Rankings based on 2019 data

## Mental Health Status of Adults in Waukesha County

Mental Health Status	Waukesha County					WI
	2009	2012	2015	2017	2020	2019
<b>Felt sad, blue, or depressed Always/Nearly Always (Past Month)</b>	5%	5%	4%	3%	4%	NA
<b>Considered suicide (Past Year)</b>	4%	2%	4%	4%	3%	NA
<b>Find meaning &amp; purpose in daily life seldom/never</b>	3%	4%	4%	4%	6%	NA

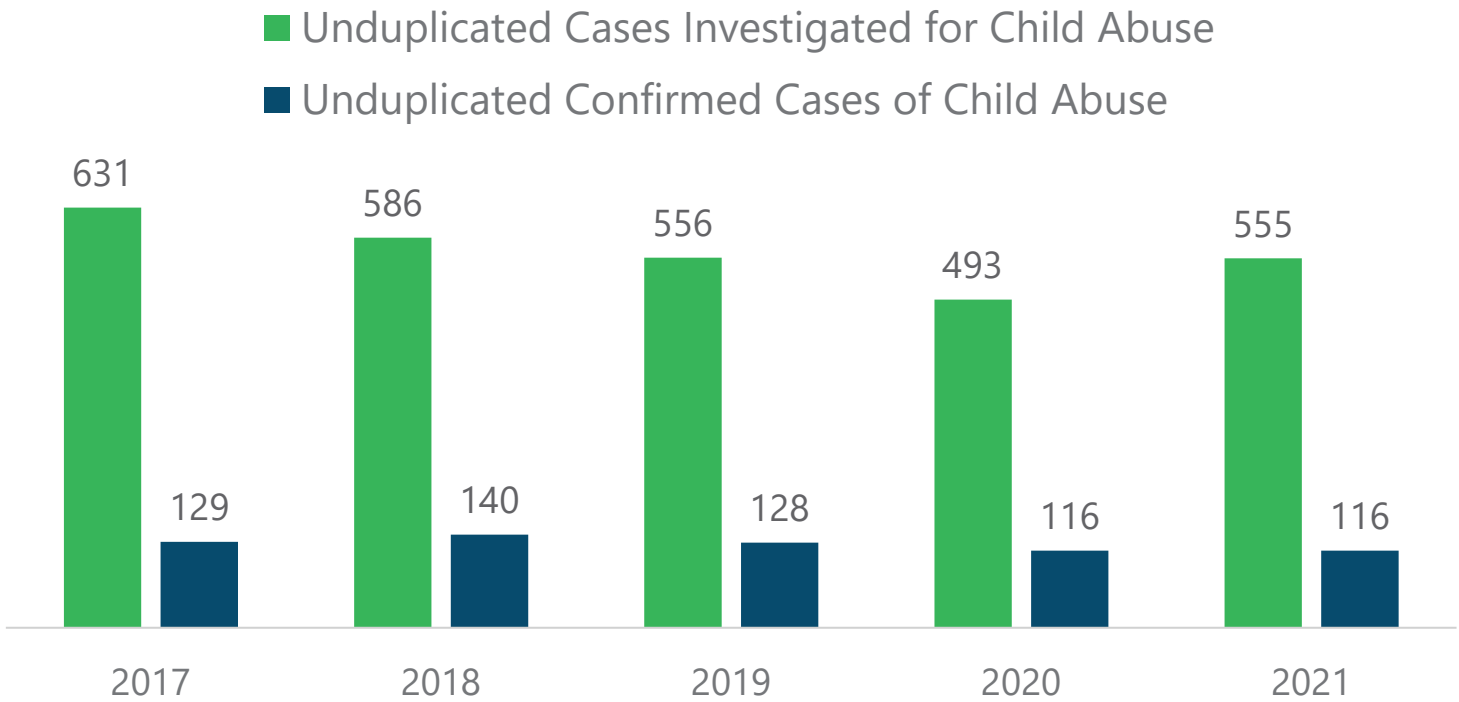
Source: Waukesha County Community Health Survey Report 2020

The percentage of adults in Waukesha County that seldom or never find meaning or purpose in daily life has slightly increased from 2009 to 2020. Whereas the percentage of adults in Waukesha County that felt sad, blue or depressed always or nearly always remained relatively the same at about 4% from 2009-2020. The percentage of Waukesha County adults that considered suicide in the past year has remained relatively the same at about 4% from 2009-2020.

# Social Health

The number of unduplicated cases investigated for child abuse has decreased from 2017-2020 with a slight up tick in 2021. The number of unduplicated cases of child abuse has remained relatively the same at around 125 per year in Waukesha County.

## Child Welfare Indicators in Waukesha County 2017-2021



Source: Child Welfare Dashboard, Waukesha County

# Adult Protective Services

Adult protective services (APS) are set up to aid elder adults and Adults-at-Risk who have been abused, neglected, or exploited. For adults who are found to lack cognitive capacity and/or may be a danger to themselves or others, Adult Protective Services may offer legal interventions as deemed necessary..

<b>2021 Waukesha County Adult Protective Services</b>	
<b>Annual APS Caseload Total 2021</b>	
APS Intake and Outreach	1,040
Annual Protective Placement Reviews completed	264
<b>2021 New Case Openings</b>	
Adult at Risk	91
Elder at Risk	263
<b>Investigations and Court Services Admissions</b>	
Total New Abuse/Neglect Investigations	203
Self Neglect	56
Financial Exploitation	91
Physical Abuse	15
Caregiver Neglect	35
Sexual Abuse	2
Verbal Abuse	4
Emergency Detentions	68
Emergency Protective Placements	54
<b>Financial Abuse Referrals</b>	
New Investigations Opened	91
Referrals completed via outreach with services	69
Estimated Losses of Substantiated Financial Abuse	\$1, 394, 204.32
Average Age of Victim	73
Most common Investigated Type of Reported Financial Abuse	Scam, identity theft
<b>APS Call Intake (Abuse/Neglect Reports and APS Court Referrals)</b>	
Total Number of Calls	1,040
Provided Information Only- No Report of Abuse/neglect	545
Completed Reports of Abuse/neglect or Court Referral:	469
Provided Outreach and resources to referred Client	200
Matter required full APS investigation	269

Source: Waukesha County Health and Human Services

## DOMAIN 8

Definition: One of the most significant areas for monitoring and comparison relates to the health of a vulnerable population: infants and children. This category focuses on birth data and outcomes as well as mortality data for infants and children. Because maternal care is correlated with birth outcomes, measures of maternal access to, and/or utilization of, care is included. Births to teen mothers is a critical indicator of increased risk for both mother and child.



In comparison to the state, Waukesha County has better outcomes with mortality, births and prenatal care.

While typically Waukesha County has a lower rate of mortality, in 2019 it stood out with a higher rate.

The entrance to prenatal care in the first trimester varies greatly by race.

The infant mortality rate for Black/African American residents is 18.4 per 1,000 live births which is more than four times higher than white residents (4.3 per 1,000 live births).

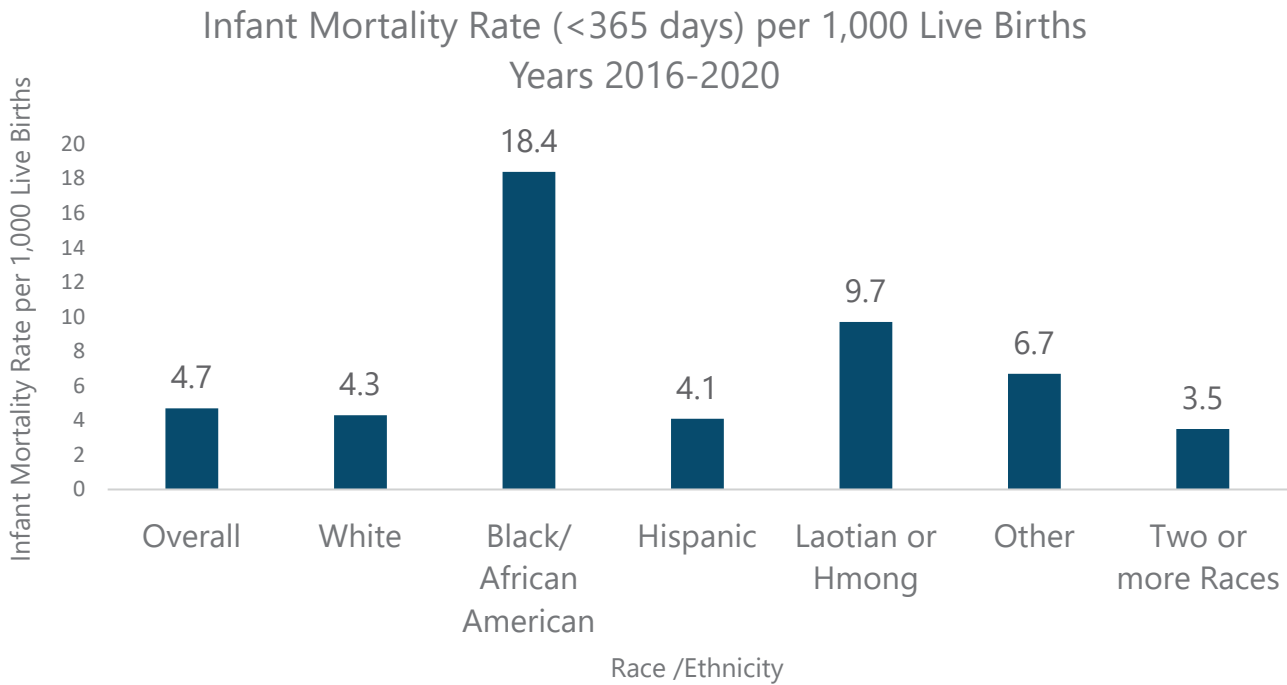
American Indian/Alaskan Native (58.8%) and Black/African American (67.5%) people are less likely to enter into prenatal care in the 1st trimester of pregnancy compared to people of other race and ethnicities, especially compared to people who identify as White (87.8%).



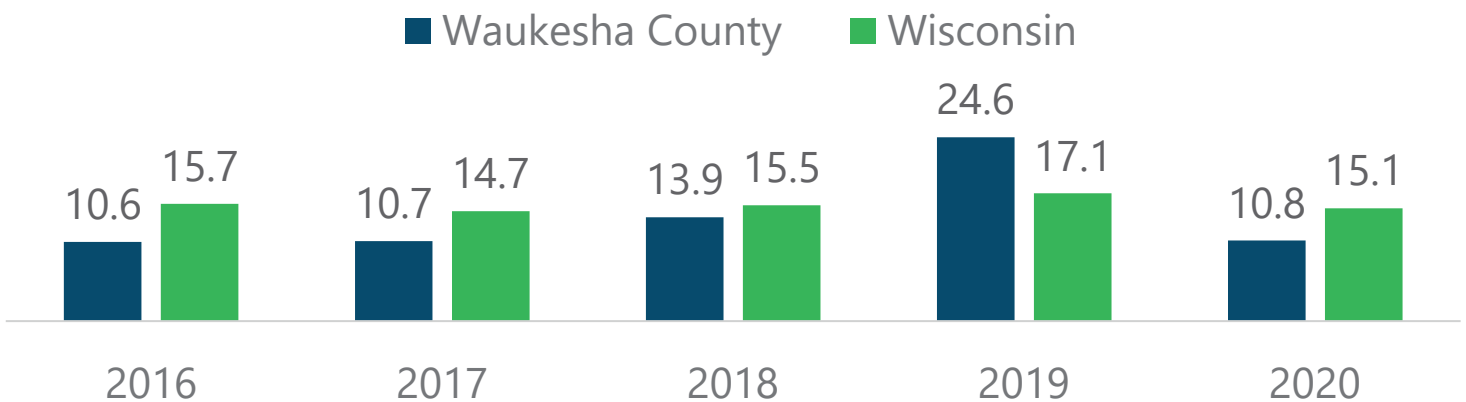
# Mortality

The overall infant mortality rate in Waukesha County is 4.7 per 1,000 live births. The infant mortality rate for Black/African American residents is 18.4 per 1,000 live births which is more than four times higher than white residents.

## Infant Mortality Rate- Number of Deaths per 1,000 live births within first year of life

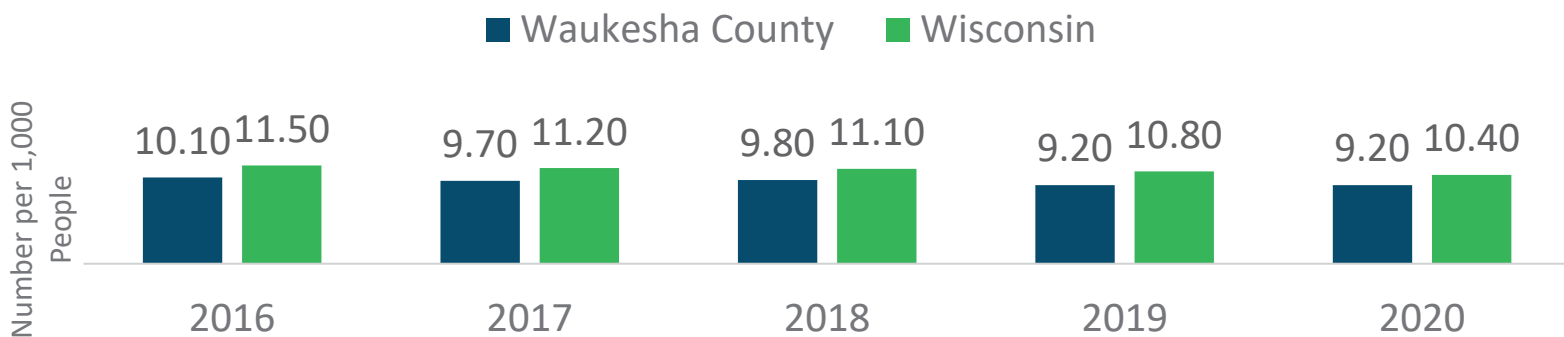


## Child Mortality Rate Deaths (1-14 years) per 100,000 Population

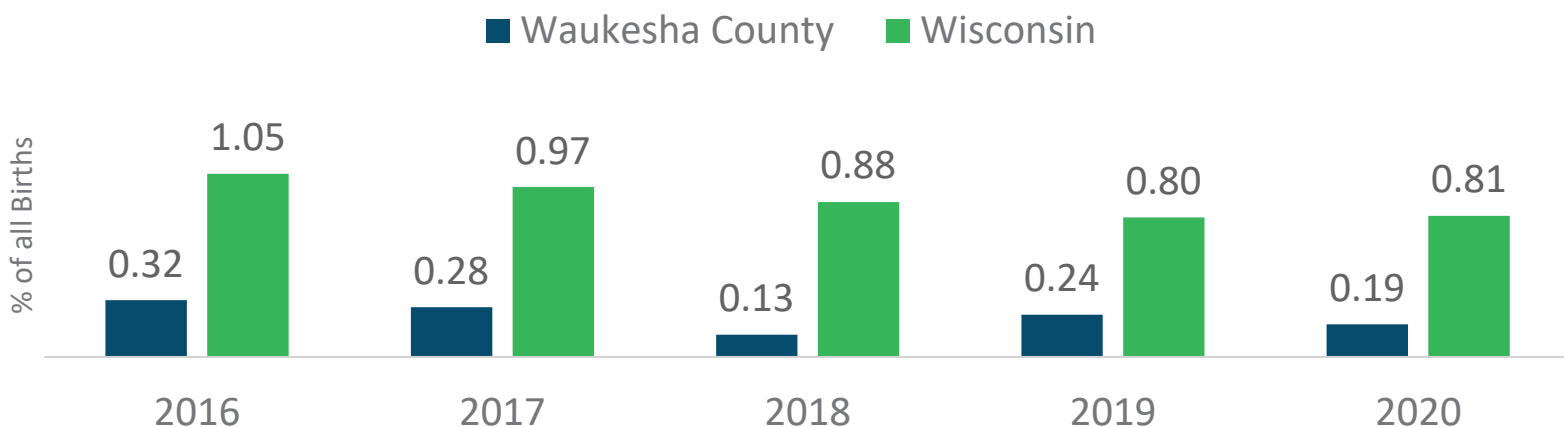


Source: Wisconsin Interactive Statistics on Health

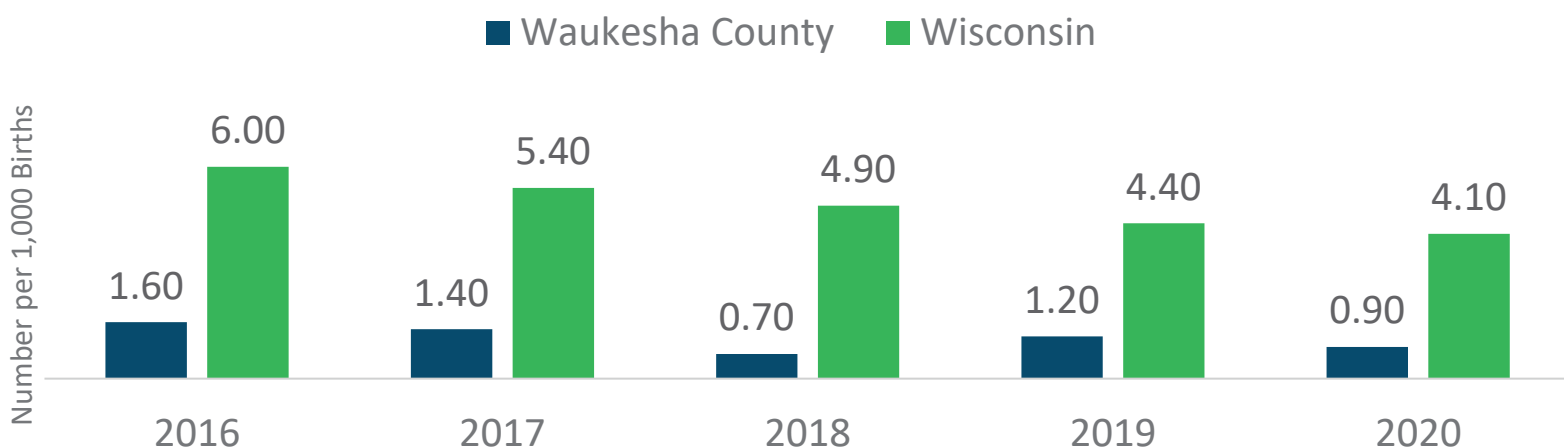
### Birth Rate per 1,000 Population



### Birth to Adolescents, Percent of all Births of 17 and Younger



### Adolescent Pregnancy Rate Births per 1,000 women Ages 15-17



Source: Wisconsin Interactive Statistics on Health

## Birth Weight

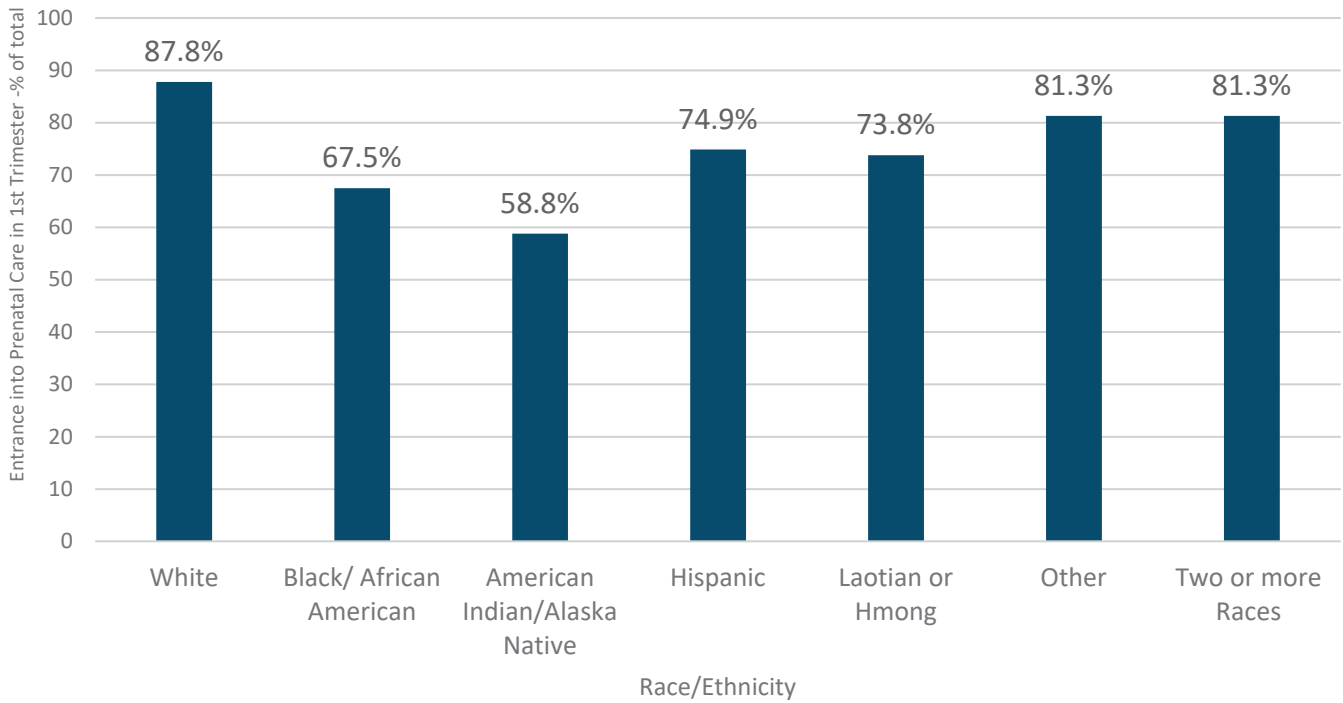
Year	Low Birthweight Less than 2,500 grams		Very Low Birthweight Less than 1,500 grams	
	Waukesha County % of all Births	Wisconsin % of All Births	Waukesha County % of all Births	Wisconsin % of All Births
<b>2016</b>	6.3	7.4	1.1	1.3
<b>2017</b>	6.8	7.7	1.1	1.3
<b>2018</b>	6.2	7.7	0.9	1.2
<b>2019</b>	6	7.6	0.8	1.3
<b>2020</b>	6.1	7.7	1.1	1.2

# Prenatal Care

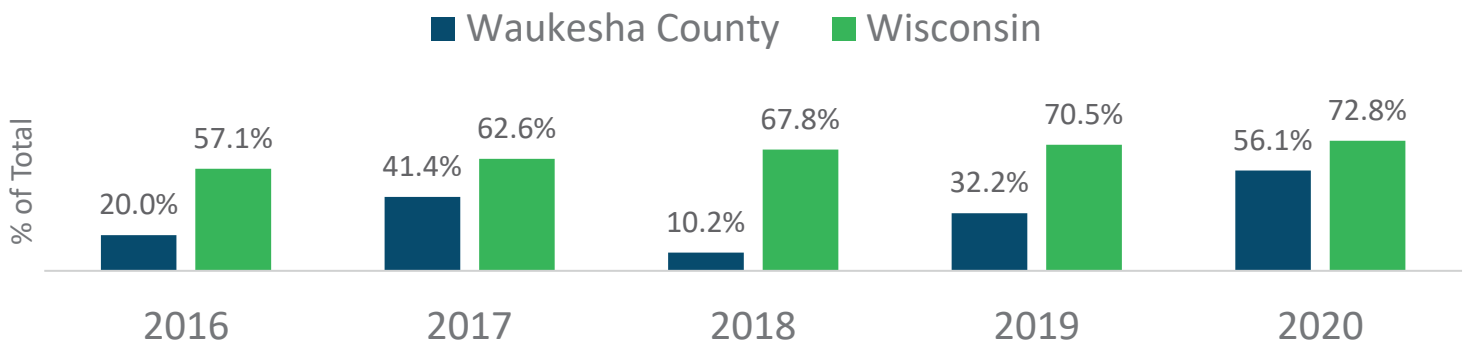
In Waukesha County, entrance into prenatal care during the first trimester varies greatly by race. American Indian/Alaskan Native and Black/African American people are less likely to receive prenatal care especially when compared to people who identify as White.

## Entrance into Prenatal Care, In 1<sup>st</sup> Trimester- % of Total , 2016 - 2020

Entrance into Prenatal Care in 1st Trimester -% of total  
Years 2016-2020

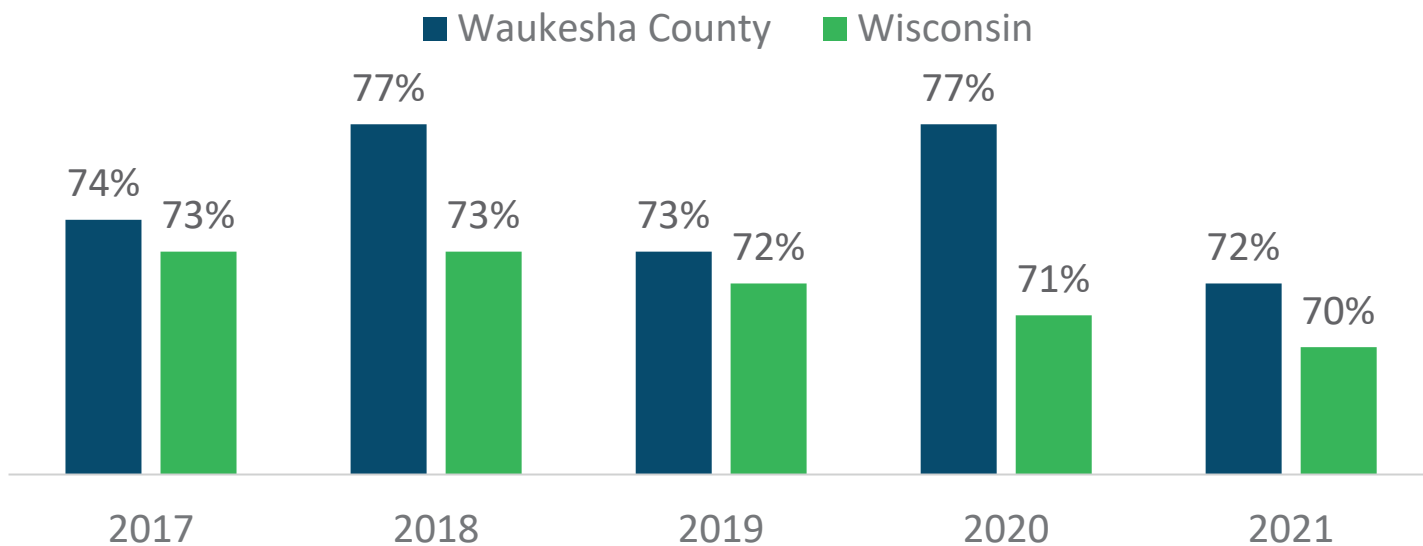


## No Prenatal Care, % of total

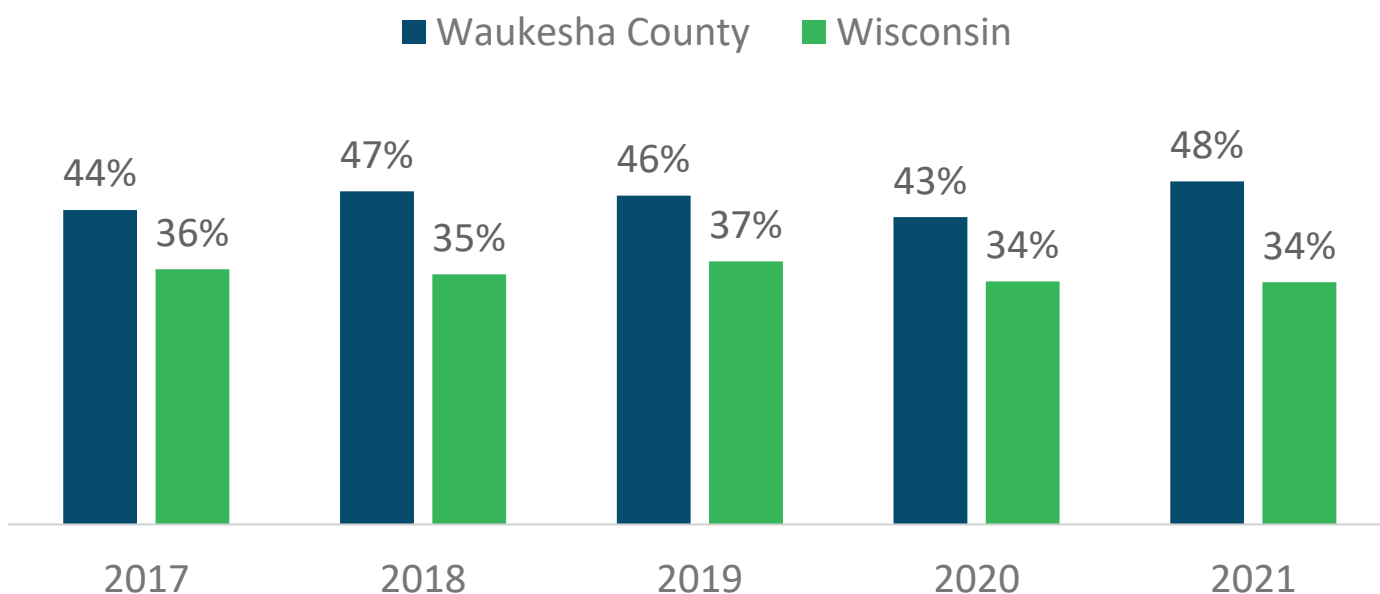


## Breastfeeding

### Percent of Infants of WIC Participants who are Breastfed at Birth



### Percent of Infants of WIC Participants who are Breastfed at Six Months



## DOMAIN 9

Definition: Health status in a community is measured in terms of mortality (rates of death within a population) and morbidity (rates of the incidence and prevalence of disease). Mortality may be represented by crude rates or age-adjusted rates, and by cause (i.e. disease, cancer or injuries). Morbidity may be represented by age-adjusted incidence of cancer and chronic disease.



Male, Black, American Indian, and Hispanic residents have higher overall mortality rates than other demographic categories.

Lung, pancreatic, colorectal, breast, and prostate cancer are the leading sites for cancer mortality rates in Waukesha County. While not among the top five for incidence, pancreatic cancer has the second highest mortality rate and unlike the other leading sites, does not show a trend of decreasing.

Heart disease, cancer, and accidents have consistently held the top three leading causes of death since 2010.

Alzheimer's and Parkinson's Diseases, neurological conditions often associated with aging, are notable for their placing on the top 10 leading causes of death, with their rankings in Waukesha County being higher than for the State of Wisconsin.

Men and black residents had higher mortality rates than other demographic categories for many of the leading causes of death. Fall fatality rates for Waukesha County for age categories 65+ continue to be higher than for Wisconsin as a whole.

The leading three categories of suicide death have consistently been gunshot/shotgun wound, hanging, and drug intoxication with male and the 41-44 year age category consistently having higher suicide numbers than females and other age categories.

Total annual drug related deaths have varied over time; However, there was a sharp increase in deaths in 2020 due to increased number of accidental drug overdoses. These increases being largely due to Fentanyl overdoses, either alone or in combination with heroin.

Preventable hospitalization rates for Medicare enrollees in Waukesha County who are Black or American Indian/Alaskan native are much higher than for whites (Black 1.8x; AI/AN 1.9x). Conversely, enrollees who are Asian or Hispanic have lower rates.

Injury related deaths were trending down but saw an upturn in 2020. White, non-Hispanic, and male resident demographic categories had the highest rates of mortality due to unintentional injuries.

Homicide rates continues to be lower than the state but doubled in 2020 from the previous year.

# All Deaths

## Overall Age- Adjusted Mortality Rates (per 100,000 population)

	2018	2019	2020	WI 2020
<b>Total</b>	630.7	599	712.9	836.4
<b>Gender</b>				
Male	718.2	711	826	993.1
Female	553.8	505.7	616.5	701
<b>Race</b>				
White	636.3	599.4	714.8	811
Black	904.8	686.9	948.2	1316.7
American Indian	x*	1105.3	1184.6	1037.4
Asian	276.2	425.2	474.9	588.2
<b>Ethnicity</b>				
Hispanic	411.7	430.6	772.7	701
Non Hispanic	633.1	600.9	711.7	838.4

Source: Wisconsin Interactive Statistics on Health

\* X indicates a value less than 5 and greater than 0

## Percent of Deaths in Waukesha County younger than 75 years old

Year	Percentage
2017	33.80%
2018	32.40%
2019	31.20%
2020	32.10%
WI 2020	41.20%
<b>2020 Race/Ethnicity</b>	
Hispanic (40/84)	47.60%
Black (30/49)	61.20%
Asian (18/49)	36.70%
White (1318/4168)	31.60%

## General Death Data Highlights

- Males continue to have a higher overall mortality rate than females (1.4 times higher).
- Black (1.6x) and American Indian (1.3x) residents have higher mortality rates than white residents. Asian residents have lower mortality rates than white residents by 0.7 times.
- Hispanic residents had a lower overall mortality rate compared to non-Hispanic residents until 2020. In 2020 the mortality rate for Hispanic residents was 1.1x that of non-Hispanic residents and higher than Wisconsin's Hispanic mortality rate.
- The percentages of deaths prior to age 75 was slowly trending down until a small uptick in 2020.
- Hispanic, Black, and Asian residents have a higher percentage of deaths prior to age 75 than the overall population.

Source: Wisconsin Interactive Statistics on Health

## Leading Cause of Death

### Waukesha County 2020 Leading Causes of Death

1. Heart Disease
2. Cancer
3. Accidents
4. Alzheimer’s Disease
5. Stroke
6. Chronic Lower Respiratory Diseases
7. Diabetes
8. Parkinson’s Disease
9. Chronic Kidney Disease
10. Influenza & Pneumonia

### Wisconsin 2020 Leading Causes of Death

1. Heart Disease
2. Cancer
3. Accidents
4. Stroke
5. Chronic Lower Respiratory Diseases
6. Alzheimer’s Disease
7. Diabetes
8. Chronic Liver Disease
9. Chronic Kidney Disease
10. Suicide

### Leading Causes of Death Data Highlights

- Alzheimer’s Disease ranks higher in Waukesha (4) than Wisconsin (6) as a leading cause of death.
- For Waukesha County, Parkinson’s disease (8) and Influenza/pneumonia (10) take the seats in Wisconsin that are held by Liver Disease (8) and Suicide (10).
- Heart disease, Cancer, and Accidents have consistently held the top three seats since 2010.
- Alzheimer’s and Parkinson’s Diseases, neurological conditions often associated with aging, are notable for their placing on the top 10.
- Influenza & Pneumonia have had a steady decline in its ranking since 2015.



# Ranked Leading Causes of Death

Rank	2000	2005	2010	2015	2018	2019	2020	2020 WI
1	Heart Disease	Cancer					Heart Disease	Heart Disease
2	Cancer	Heart Disease					Cancer	Cancer
3	Stroke		Accidents					Accidents
4	Accidents		COPD	Stroke	Alzheimer's Disease	Stroke	Alzheimer's Disease	Stroke
5	COPD		Stroke	Alzheimer's Disease	Stroke	Alzheimer's Disease	Stroke	COPD
6	Influenza & Pneumonia	Alzheimer's Disease		COPD			Alzheimer's Disease	
7	Diabetes			Influenza & pneumonia	Diabetes			Diabetes
8	Alzheimer's Disease	Influenza & Pneumonia	Kidney Disease	Diabetes	Influenza & Pneumonia	Parkinson's Disease		Liver Disease
9	Kidney Disease		Suicide	Kidney Disease	Suicide	Influenza & Pneumonia	Kidney Disease	Kidney Disease
10	Liver Disease	High Blood Pressure	Influenza & Pneumonia	Suicide	Kidney Disease		Influenza & Pneumonia	Suicide

Source: Wisconsin Interactive Statistics on Health

# Cancer Deaths

Leading Site of Cancer Mortality and Age- Adjusted Cancer Mortality Rates (per 100,000 population)

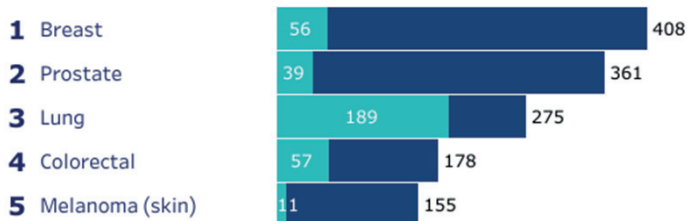
Site	2005-2009		2010-2014		2015-2019		WI 2015-2019
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Rate
Lung & Bronchus	951	44.3	977	39.7	920	32.8	37
Pancreas	241	11	295	11.6	309	10.9	11.5
Colorectal	289	13.3	296	11.7	285	10.1	12.5
Breast	285	12.6	279	11.5	265	9.6	10
Prostate	172	7.9	190	7.6	202	7.2	8.5
Leukemia	182	8.5	198	8.1	182	6.5	6.7
Non-Hodgkin Lymphoma	194	9	130	5.3	167	5.9	5.8

2014-2018 annual averages. A missing value indicates insufficient data are available.

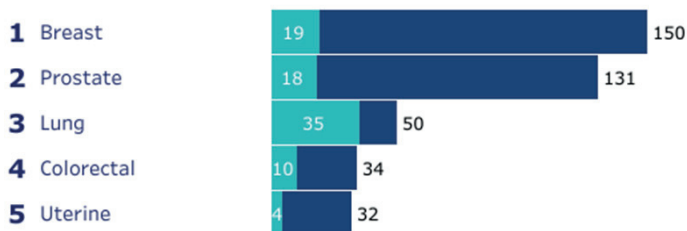
Source: Wisconsin Interactive Statistics on Health

## Cancer in Waukesha County

Deaths / Cases per year

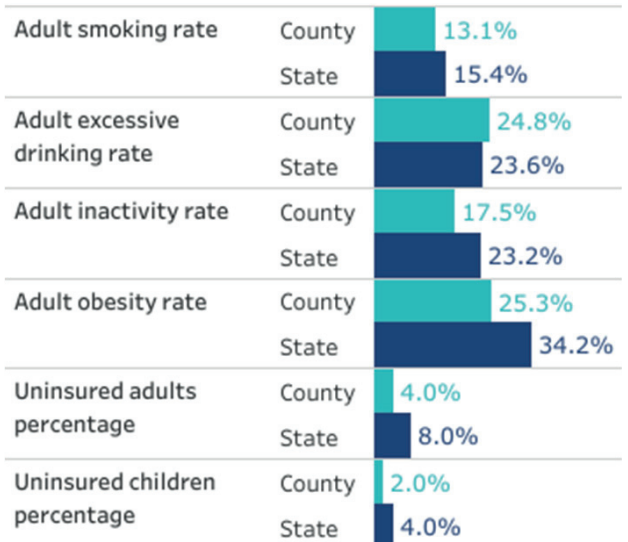


Deaths / Cases per 100,000 residents per year (age-adjusted)



## What affects Cancer Outcomes in Waukesha County?

### Cancer risk factors



Source: Wisconsin Cancer Collaborative, 2014-2018

## Cancer Mortality Data Highlights

- Lung, pancreas, colorectal, and breast cancers continue to have the highest death cases and mortality rates. Prostate has risen to the top 5 cancer deaths/death rates due to the decreasing death rate for leukemia.
- Waukesha County's mortality rates are lower than for the state for the leading sites of cancer mortality.
- Pancreatic cancer continues to be deadly. While not reaching the top 5 cancer incidences in neither cases or incidence rate for Waukesha County, it ranks second for mortality.
- Among the cancers with the highest mortality rates, rates are decreasing for all; the exception is pancreatic cancer which does not have a consistent trend.

## Other Deaths

### Age-Adjusted Mortality Rates for Leading Causes of Death and Select Others

Age-Adjusted Mortality Rates (per 100,000 population)					
	2017	2018	2019	2020	WI 2020
All	613	630.7	599	712.9	836.4
<b>Chronic</b>					
Disease of the Heart	116.2	121.1	118.6	129.2	163.6
Cancers	136.5	137.5	132.3	131.9	150.9
Cerebrovascular	26.6	30.6	32.2	30.5	36.7
COPD/Chronic lower respiratory diseases	26.5	29.7	28.6	22.3	36.2
Alzheimer's Disease	31.7	31.4	27.1	33.2	33.5
Diabetes	15	16	13.9	13.2	22.2
Chronic Kidney Disease	11.4	9.2	8.2	9	11.1
Chronic Liver Disease	7.2	9.6	8.9	10	12.2
Parkinson's	9.3	8.2	11.6	10.4	10.7
<b>Other</b>					
Unintentional Injuries	58.7	54.1	52.4	65.5	71
Falls	28.1	25.7	26.1	27.5	25
Suicide	13	14.2	10.6	10.4	14.4
Pneumonia/Influenza	14.6	15.4	9.6	8.5	9.8
Motor Vehicle Crashes	6.7	5.7	6.2	5.1	11.5
Assault/Homicide	1.7	1.7	1.4	2.8	5.9

Source: Wisconsin Interactive Statistics on Health

**Age-Adjusted Death rates by Race, Ethnicity, & Gender (per 100,000 population) 2016-2020**

Source: Wisconsin Interactive Statistics on Health

Race	Death Rate	Disparity
<b>Heart Disease</b>		
White	121.4	
Black	121.5	
American Indian	207.3	1.7 times higher than white rate
Asian	74.7	
Hispanic	75.8	
Non- Hispanic	121.3	
Female	95.5	
Male	152	1.6 times higher than female rate
<b>Stroke</b>		
White	29.2	
Black	41.7	1.4 times higher than white rate
Asian	32.9	1.1 times higher than white rate
Hispanic	26.6	
Non- Hispanic	29.3	
Female	29.9	
Male	28.1	
<b>Chronic Lower Respiratory Diseases</b>		
White	27.8	
Non- Hispanic	27.6	
Female	26.9	
Male	28.4	
<b>Alzheimer's Disease</b>		
White	30.4	
Black	42.6	1.4 times higher than white rate
Hispanic	17.7	
Non- Hispanic	30.4	
Female	32.2	1.2 times higher than male rate
Male	26.8	
<b>Diabetes</b>		
White	15.2	
Black	32.3	2.1 times higher than white rate
Asian	13.4	
Hispanic	24.1	1.6 times higher than non-Hispanic rate
Non- Hispanic	15.1	
Female	13.5	
Male	17.6	1.3 times higher than female rate
<b>Chronic Kidney Disease</b>		
White	10	
Black	37.2	3.7 times higher than white rate
Non- Hispanic	10.2	
Female	8.9	
Male	11.9	1.3 times higher than female rate

**Age-Adjusted Death rates by Race, Ethnicity, & Gender (per 100,000) 2016-2020**

Source: Wisconsin Interactive Statistics on Health

Race	Death Rate	Disparity
<b>Chronic Liver Disease</b>		
White	8.6	1.2 times higher than white rate
Asian	10.3	
Hispanic	14.9	1.7 times higher than non-Hispanic rate
Non- Hispanic	8.4	
Female	6.3	
Male	11.1	1.8 times higher than female rate
<b>Influenza/Pneumonia</b>		
White	11.9	
Female	10	
Male	14.3	1.4 times higher than female rate
<b>Parkinson's</b>		
White	9.9	
Asian	15.8	1.6 times higher than white rate
Non- Hispanic	10	
Female	6.8	
Male	14.6	2.1 times higher than female rate
<b>Unintentional Injuries</b>		
White	57.6	
Black	41	
Asian	23.7	
Hispanic	38.1	
Non- Hispanic	56.6	
Female	42.2	
Male	70.7	1.7 times higher than female rate
<b>Suicide</b>		
White	12.8	
Female	5.2	
Male	19.9	3.8 times higher than female rate
<b>Motor Vehicle Crashes</b>		
White	5.6	
Black	11.3	2 times higher than white rate
Hispanic	5	
Non- Hispanic	5.7	
Female	3.5	
Male	8.3	2.4 times higher than female rate
<b>Assault/ Homicide</b>		
White	1.6	
Female	1.4	
Male	2	1.4 times higher than female rate

## Age-Adjusted Mortality Rates for Leading Causes of Death and Select Others Data Highlights

- Waukesha County has lower mortality rates than the state of Wisconsin for all conditions listed, excluding falls which was higher for Waukesha.
- Mortality rates for both heart disease and unintentional injuries had started to trend down, but then saw increases in 2020.
- Alzheimer's disease mortality rates had a brief decrease in 2019, but then rose again.
- There was a jump in the assault/homicide rate in 2020 versus previous years.
- Males have a higher mortality rate compared to females for multiple causes of death (heart disease, cancer, diabetes, kidney disease, liver disease, influenza/pneumonia, Parkinson's disease, unintentional injuries, suicide, motor vehicle crashes, and assault/homicide).
- Black residents have higher mortality rates than white residents for multiple causes of death (cancer, stroke, diabetes, kidney disease, Alzheimer's, and motor vehicle crashes).
- Asian residents have a higher mortality rate than white residents for Parkinson's, liver disease, and stroke.

# Behavioral health related deaths

## Death due to Suicide Data Highlights

- The category of gunshot/shotgun wound consistently is the leading category of suicide death, consisting of 56.2% of suicide deaths in 2021.
- Since 2010, the leading three ranked categories of suicide deaths have been gunshot/shotgun wound, hanging, and drug intoxication.
- There is no apparent trend in total number of suicide deaths.
- Male residents and residents who are in the 41-44 age category consistently have higher numbers of suicide deaths compared to females and other age categories.



Waukesha County Medical Examiner  
Suicide Death Statistics  
2005 - 2021

Category	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Asphyxia	--	2	--	1	--	2	--	--	--	--	2	3	3	1	--	--	1
Blunt force injury	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
Carbon Monoxide	3	1	1	--	4	3	1	2	1	1	2	5	1	6	--	--	--
Drowning	--	--	1	1	--	--	--	--	--	--	--	--	1	--	--	--	1
Fall	--	--	1	--	1	--	--	--	1	2	--	--	1	--	--	--	--
Fire	--	2	--	1	--	--	--	--	--	--	1	--	--	--	--	--	1
Gunshot/Shotgun Wound	17	14	18	15	18	25	17	24	27	23	30	23	27	21	25	27	27
Hanging	6	3	6	5	8	14	9	14	14	9	10	6	8	18	6	11	8
Incised Wounds	--	--	2	--	1	--	2	1	1	1	1	3	--	--	--	--	2
Drug Intoxication	4	5	12	8	3	7	7	7	5	5	7	5	15	8	5	8	5
Inhalation	--	--	--	--	--	3	1	1	3	1	2	--	--	--	--	2	--
Motor Vehicle	1	--	--	--	1	1	--	--	--	3	--	--	2	--	--	2	--
Pedestrian VS Train	--	3	--	--	--	--	2	1	2	--	1	2	--	--	3	--	1
Sharp Force Injury	--	1	--	--	1	2	--	--	--	--	1	--	2	2	2	1	2
<b>Total</b>	<b>31</b>	<b>31</b>	<b>41</b>	<b>31</b>	<b>37</b>	<b>57</b>	<b>39</b>	<b>50</b>	<b>54</b>	<b>45</b>	<b>57</b>	<b>47</b>	<b>60</b>	<b>57</b>	<b>41</b>	<b>51</b>	<b>48</b>

Demographics	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Male	24	22	30	22	28	40	29	42	44	34	45	35	46	41	29	43	34
Female	7	9	11	9	9	17	10	8	10	11	12	12	14	16	12	8	14
Age 19 years and under	2	3	1	1	1	6	5	3	1	3	4	2	3	7	3	1	0
Ages 20-40	10	11	15	9	10	14	12	11	9	10	14	6	11	14	10	13	13
Ages 41-64	13	10	18	9	18	28	16	27	34	25	31	26	37	32	18	24	27
Ages 65 and above	6	7	7	12	8	9	6	9	10	7	8	13	9	4	10	13	8

**Notes:**

2021 data is based on completed death certificates as of 3/21/2022. Totals may increase once pending cases are completed.

Per Waukesha County Medical Examiner: Data provided as actual numbers per year, not per 100,000 population. We are unable to provide veteran status as that is not information we track. 2021 total may increase once all death certificates are finalized. 2021 numbers are not final. Cause and manner of death determination can be a lengthy process due to ongoing testing, review and analysis. There are a significant number of death certificates that are currently pending final cause and manner of death determination



## Waukesha County Drug Related Deaths 2012-2021 (to date)

Total annual drug related deaths have varied over time; However, there was a sharp increase in deaths in 2020 due to increased number of accidental drug overdoses.

These increases being largely due to Fentanyl overdoses, either alone or in combination with heroin.

### Deaths by Manner, Age and Gender

Year	Total number Drug Related Deaths	Accident	Suicide	Undetermined	Gender Male ; Female	Age Range	Avg. Age
2012	59	49	7	3	39 M ; 20 F	20 - 82 yrs	41 yrs
2013	39	33	5	1	23 M ; 16 F	19 – 87 yrs	44 yrs
2014	50	40	5	5	33 M; 17 F	12 - 64 yrs	37 yrs
2015	49	39	7	3	26M; 23 F	20 - 94 yrs	43 yrs
2016	62	53	6	3	47 M; 15 F	15 – 88 yrs	39 yrs
2017	76	61	14	1	52 M; 24 F	18 – 79 yrs	41 yrs
2018	67	55	8	4	40 M; 27 F	17 - 92 yrs	42 yrs
2019	54	48	5	1	32 M; 22 F	16 – 91 yrs	45 yrs
2020	95	87	5	3	58 M; 37 F	1 - 94 yrs	
2021 (to date)	49	47	1	1	33 M; 16 F	19 – 63 yrs	

### Deaths by Type of Substance Identified

Year	Drug Related Deaths	Total Heroin-related (alone or in combination)	Opioid Medications (alone or in combination)	Non-prescription synthetic Opioids alone	Fentanyl and its Analogs (no Heroin present)	Novel Psychoactive Substances (no heroin or fentanyl present)	Other Drugs or Medications
2012	59	21	27/1*				10
2013	39	11	23**				5
2014	50	15	29				6
2015	49	20	23**				6
2016	62	24 (4 w/Fentanyl or its analogs)	18**/1*	1 (U47700)	11		7
2017	76	37 (15 w/Fentanyl)	20/1**	-	6		12
2018	67	26 (12 w/Fentanyl) ^	14*/1**	-	16		10
2019	54	15 (10 w/Fentanyl) ^	8	-	25^		6
2020	95	23 (19 w/Fentanyl)	11	-	44	3	14
2021 (to date)	49	6 (5 w/Fentanyl)	4	-	33	1	5

\*One death in 2012, one death in 2016 one in 2018 involved both injury sustained and use of prescription opiate medication.

\*\*Deaths in 2013, 2015, 2017 and 2018 had morphine identified but it was undetermined whether source was a prescription or heroin metabolism.

^Two deaths in 2018 and one in 2019 involved a combination of heroin or Fentanyl and an external event.

Source: Waukesha County Medical Examiner's Office, 2022

# Motor Vehicle Related Mortality Data Highlights

Motor Vehicle Deaths	
2019	21
2020	21
2021(to date)	29

Age-Adjusted Motor Vehicle Crash Mortality Rate (per 100,000 population)				
2017	2018	2019	2020	WI 2020
6.7	5.7	6.2	5.1	11.5

\*All manners of death are included in total motor vehicle deaths (accident, suicide, homicide). Alcohol and other substance are not something that is tracked with these deaths.

WISH data

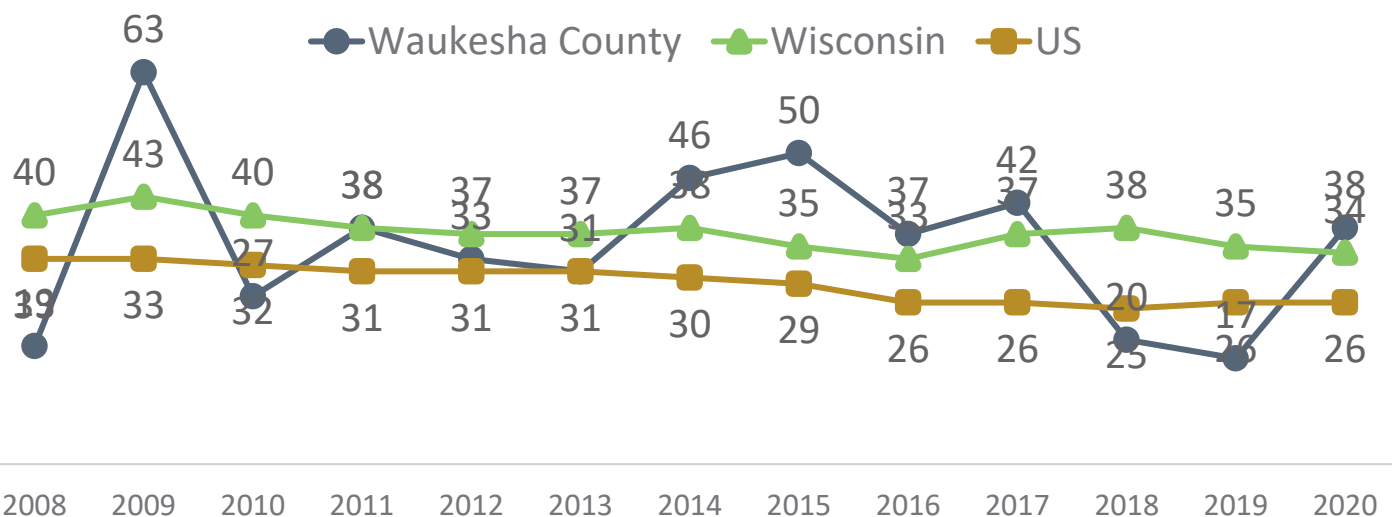
Source: Waukesha County Medical Examiners Office

Age-Adjusted Motor Vehicle Rated Mortality Rates per 100,000 population (# cases)				
	2012-2014	2015-2017	2018-2020	WI 2018-2020
All Motor vehicle related fatalities	6.8 (80)	6.3 (76)	5.0 (66)	9.7
Pedestrian fatalities	.4 (5)	.4 (5)	0.6 (9)	1
Cyclist fatalities	x	x	x	0.2

Source: Wisconsin Interactive Statistics on Health X indicated less than five cases, greater than 0

## Percent of Driving Deaths with Alcohol Involvement

No significant trend was found in Waukesha County for this measure.



Source: 2022 County Health Rankings

## Motor Vehicle Related Mortality Data Highlights

- Overall motor vehicle fatality rates appear to be trending down in Waukesha County. However, there was an uptick in deaths in 2020 according to data from the Waukesha County Medical Examiner.
- Waukesha County has lower mortality rates than the state for the categories of all motor vehicle related deaths, pedestrian fatalities, and cyclist fatalities.
- Waukesha County's motor vehicle fatality with alcohol involvement percentage is currently lower than the state of Wisconsin. There has been no significant trend in this measure.

## Unintentional injury deaths

- Injury related deaths were trending down but saw an upturn in 2020.
- White, non-Hispanic, and male resident demographic categories had the highest rates of mortality due to unintentional injuries.
- Fall fatality rates show no consistent trend in Waukesha County, but continue to be higher than State of Wisconsin for all age categories 65+ (notably, 85+ is 1.3 times the state rate).
- Hospitalization rates due to falls are also higher in Waukesha County than the State of WI for all age categories 65+.

Unintentional Injury Age-Adjusted Mortality Rates (per 100,000 population)				
2017	2018	2019	2020	WI 2020
58.7	54.1	52.4	65.5	71

Unintentional Injury Age-Adjusted Death rates by Race, Ethnicity & Gender (per 100,000) 2016-2020	
<b>Race</b>	
White	57.6
Black	41
American Indian	x
Asian	23.7
<b>Ethnicity</b>	
Hispanic	38.1
Not Hispanic	56.6
<b>Gender</b>	
Female	42.2
Male	70.7

Source: Wisconsin Interactive Statistics on Health

**Waukesha County  
Fall Fatality Rate  
for Ages 65+**



**Wisconsin  
Fall Fatality Rate  
for Ages 65+**



**Deaths Due to Unintentional Fall Related Injuries Age- Adjusted Mortality Rates**

	2018		2019		2020		WI 2020
	Number	Rate*	Number	Rate*	Number	Rate*	Rate*
<b>0</b>	.	.	.	.	.	.	.
<b>1-4</b>	.	.	.	.	.	.	.
<b>5-9</b>	.	.	.	.	.	.	.
<b>10-14</b>	.	.	.	.	.	.	.
<b>15-17</b>	.	.	.	.	.	.	.
<b>18-19</b>	.	.	.	.	.	.	.
<b>20-24</b>	.	.	.	.	.	.	X
<b>25-34</b>	.	.	.	.	.	.	X
<b>35-44</b>	X	X	.	.	.	.	1.4
<b>45-54</b>	X	X	.	.	.	.	3.9
<b>55-64</b>	X	X	X	X	X	X	13.2
<b>65-74</b>	11	26.4	19	43.3	19	43.4	39.9
<b>75-84</b>	40	183.3	51	224	38	168.3	162.4
<b>85+</b>	102	931.6	94	835.6	120	1065.7	841.8

Source: Wisconsin Interactive Statistics on Health

\*Rates are age-adjusted/100,000 population

. indicates no cases

X indicates less than 5 cases

# Hospitalizations for Unintentional Fall Related Injuries (Non-Fatal)

Hospitalizations for Unintentional Fall Related Injuries (Non-Fatal) in Waukesha County from 2018 to 2020

	2018		2019		2020		WI 2020
	Number of Cases	Rate*	Number of Cases	Rate*	Number of Cases	Rate*	Rate*
<b>0</b>	X	X	.	.	X	X	49.4
<b>1-4</b>	X	X	X	X	.	.	17.1
<b>5-9</b>	X	X	X	X	X	X	12.4
<b>10-14</b>	X	X	X	X	X	X	12
<b>15-17</b>	X	X	X	X	X	X	12.4
<b>18-19</b>	5	45.7	X	X	X	X	17
<b>20-24</b>	8	37.6	X	X	7	32	23.2
<b>25-34</b>	12	28	6	13.5	16	35.6	37.6
<b>35-44</b>	19	40.8	24	50.3	24	50.4	49.8
<b>45-54</b>	42	75.1	42	76.7	40	73.5	94.8
<b>55-64</b>	117	188.1	109	171.6	112	175.8	216.3
<b>65-74</b>	216	519.3	220	501.7	210	480.1	470.1
<b>75-84</b>	331	1516.8	359	1577.1	316	1399.3	1242.2
<b>85+</b>	417	3808.6	433	3848.9	452	4014.2	3141.5

Source: Wisconsin Interactive Statistics on Health

\*Rates are age-adjusted/100,000 population

. indicates no cases

X indicates less than 5 cases

# Homicide

Homicide Rate Age-Adjusted per 100,000 population				
2017	2018	2019	2020	WI 2020
1.7 (6 cases)	1.7 (6)	1.4 (6)	2.8 (13)	5.9

### Homicide Data Highlights

- Homicide rates continues to be lower than the state, but doubled in 2020 from the previous year.
- Firearm related death rates are lower in Waukesha County for all age groups except 65-74.

Firearm Related Deaths									
Age	Number of Injury Deaths	Rate*	Number of Injury Deaths	Rate*	Number of Injury Deaths	Rate*	Number of Injury Deaths	Rate*	Rate*
	2017		2018		2019		2020		2020 WI
0	.	.	.	.	.	.	.	.	.
1-4	.	.	.	.	.	.	.	.	x
5-9	.	.	.	.	.	.	x	x	x
10-14	.	.	.	.	x	x	.	.	1.4
15-17	.	.	.	.	.	.	.	.	11.9
18-19	x	x	x	x	x	x	.	.	15.7
20-24	x	x	x	x	x	x	.	.	21.7
25-34	7	16.6	5	11.7	x	x	X	X	19.1
35-44	x	x	x	x	6	12.6	5	10.5	16.2
45-54	9	15.5	7	12.5	x	x	6	11	13
55-64	9	14.6	7	11.3	6	9.4	7	11	11.4
65-74	x	x	x	x	5	11.4	6	13.7	11.6
75-84	x	x	x	x	x	x	X	X	12.6
85+	x	x	x	x	x	x	X	X	14.2

Source: Wisconsin Interactive Statistics on Health

\*Rates are age-adjusted/100,000 population | . indicates no cases | X indicates less than 5 cases

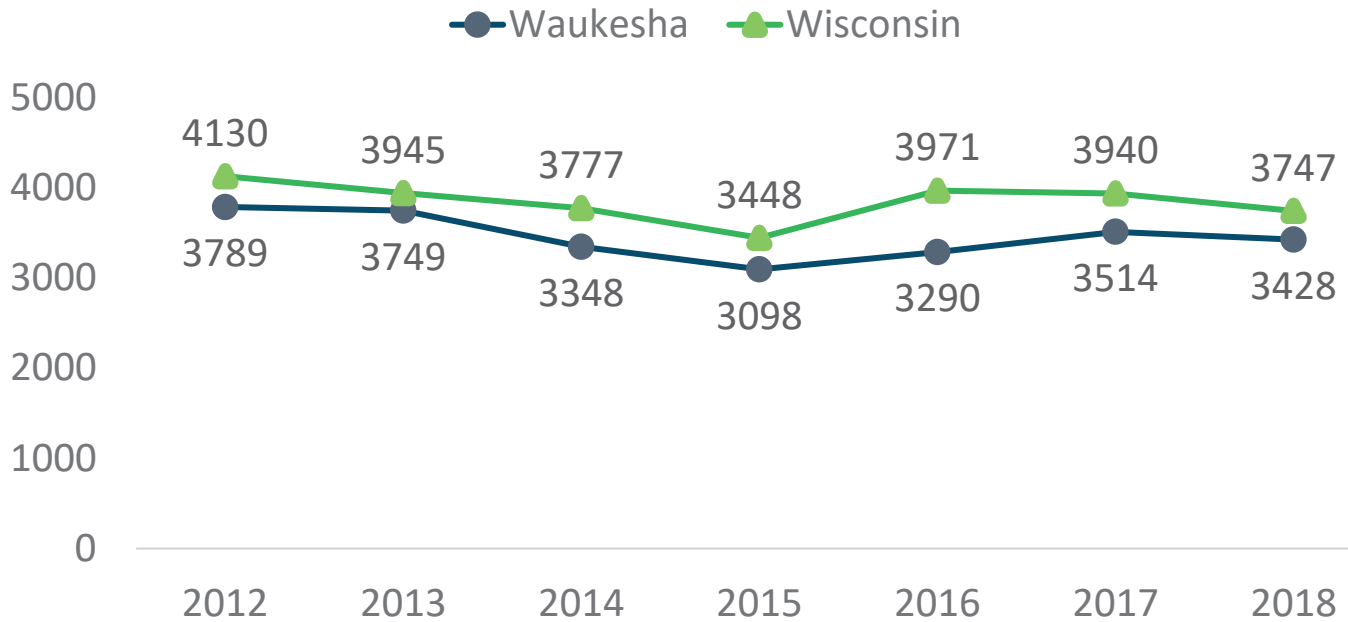
## Hospitalization Rates Data Highlights

- Data for hospital stays for ambulatory-care sensitive conditions is often used as a measure for preventable hospitalizations.
- Waukesha County's preventable hospitalization rate for Medicare enrollees is just slightly lower than the state rate and has had no apparent trend from 2012-2018.
- Preventable hospitalization rates for Medicare enrollees in Waukesha County who are Black or American Indian/Alaskan native are much higher than for whites (Black 1.8x; AI/AN 1.9x). Conversely, enrollees who are Asian or Hispanic have lower rates.
- Hospitalization rates were likely affected to an unknown degree due to COVID-19 during 2020.
- The rate of hospitalization for any reason is lower in Waukesha County versus the state of Wisconsin, except for the 65+ age category.
- Alcohol-related hospitalizations for the 18-44 year category is higher than for Wisconsin for both 2019 and 2020 and increased from 2019 to 2020.
- Hospitalization rates for mental health disorders for the 65+ age category is higher than for Wisconsin in both 2019 and 2020.
- Hospitalization rates for all cancers is higher in Waukesha County than for Wisconsin in both 2019 and 2020. The 45-64 age category rate in Waukesha County was trending higher until 2020.
- Hospitalization rates due to breast cancer continue to be slightly higher in Waukesha County than for Wisconsin. Rates for colorectal cancer appear to be slowly trending down in Waukesha County.
- Hospitalization rates due to coronary heart disease were slowly trending up for both total ages and the 45-64 age categories before having a drop in 2020.
- Hospitalization rates for COPD and pneumonia & influenza were notably down from 2019 to 2020 across all age categories (except 45-64 in Waukesha) for both Waukesha County and Wisconsin. Rates for pneumonia & influenza have been trending down for the 65+ age category.



# Hospitalizations

## Rate of Hospital Stays for Ambulatory- Care Sensitive Conditions Per 100,000 Medicare Enrollees



Waukesha County Preventable Hospital Stays (per 100,000)	
<b>Total Population</b>	3428
<b>American Indian/Alaskan Native</b>	6329
<b>Asian</b>	2697
<b>Black</b>	6008
<b>Hispanic</b>	1404
<b>White</b>	3406

Hospital stays for ambulatory-care sensitive conditions are often classified as preventable hospital stays.

**Why this is worth noting:**

Hospitalization for ambulatory-care sensitive conditions, diagnoses usually treatable in outpatient settings, suggests that the quality of care provided in the outpatient setting was less than ideal.

This measure may also represent a tendency to overuse emergency rooms and urgent care as a main source of care.

Preventable Hospital Stays could be classified as both a quality and access measure, as some literature describes hospitalization rates for ambulatory care-sensitive conditions primarily as a proxy for access to primary health care.

Source: 2021 County Health Rankings (data from 2018)

## Waukesha County Hospitalization Rates per 1,000 population

Hospitalizations	2015	2017	2019	WI 2019		2020	WI 2020
<b>All Reasons</b>	73.6	100.2	96.3	100.3		92.2	92.4
<b>&lt;18</b>	48.4	66.3	64.9	70.8		62.2	64.7
<b>18-44</b>	49.4	68.9	63.5	67.9		61.1	64.3
<b>45-54</b>	52.2	67.4	65.5	87		63.1	78.3
<b>65+</b>	185.8	247.1	230.3	221.2		219.5	204.1
<b>Drug &amp; Alcohol Use</b>							
<i>Alcohol-related</i>							
<b>Total</b>	2.2	2.3	2.2	2.3		2.5	2.3
<b>18-44</b>	2.9	3.1	3.1	2.8		3.4	2.8
<b>45-64</b>	3.7	3.8	3.2	4.3		3.8	4.3
<i>Drug-related</i>							
<b>Total</b>	0.7	0.7	0.6	0.7		0.5	0.7
<b>18-44</b>	2	1	0.9	1		0.7	0.9
<b>Mental Health Disorders</b>							
<b>Total</b>	5.8	7.5	7.1	7.6		6.3	6.9
<b>&lt;18</b>	7	8.3	8.2	8		8.1	7.2
<b>18-44</b>	8.5	12.8	11.7	11.2		10.1	10.6
<b>45-64</b>	3.9	4.6	4.1	5.9		3.5	5
<b>65+</b>	2.9	2.5	3	2.6		2.7	2.4
<b>Diabetes</b>							
<b>Total</b>	1	0.9	1.1	1.6		1	1.5
<b>65+</b>	2.3	2.1	2.5	2.9		2.5	2.9
<b>Pneumonia &amp; Influenza</b>							
<b>Total</b>	2.2	1.8	1.8	2.2		1.5	1.7
<b>&lt;18</b>	0.7	0.4	0.6	0.8		0.3	0.4
<b>45-64</b>	1.1	0.9	1	1.8		1.2	1.6
<b>65+</b>	9.6	7.6	7	8.1		5.2	6

Department of Health Services: Data from Public Health Profiles & Health Analytics Section, Division of Public Health

## Waukesha County Hospitalization Rates per 1,000 population

Hospitalizations	2015	2017	2019	WI 2019		2020	WI 2020
<b>Cardiovascular Disease</b>							
<i>Coronary Heart Disease</i>							
Total	2.5	2.6	2.7	2.9		2.6	2.5
45-64	2.7	2.9	3	3.8		2.8	3.3
65+	9.3	9.3	9	10		9.2	8.7
<i>Cerebrovascular Disease (Stroke)</i>							
Total	2.3	2.7	2.7	2.7		2.5	2.6
45-64	1.6	1.9	1.6	2.7		1.7	2.6
65+	10.2	11	11.2	10.4		10.2	10.1
<b>Chronic Pulmonary Disease</b>							
<i>Asthma</i>							
Total	0.6	0.3	0.3	0.3		0.2	0.2
<18	0.5	x	0.3	0.4		x	0.2
18-44	0.3	0.2	0.2	0.2		x	0.1
45-64	0.5	0.2	0.3	0.3		x	0.2
65+	1.2	0.4	0.5	0.3		0.4	0.2
<i>Other Chronic Obstructive Disease</i>							
Total	1	1.5	1.1	1.3		0.6	0.8
45-64	0.7	1	0.9	1.6		0.6	1
65+	4.5	6.4	4.1	4.9		2.4	3

X – indicates not enough cases for rate to be established

Department of Health Services: Data from Public Health Profiles & Health Analytics Section, Division of Public Health

## Waukesha County Hospitalization Rates per 1,000 population

Hospitalizations	2015	2017	2019	WI 2019		2020	WI 2020
<b>Cancer</b>							
<i>All Cancers</i>							
Total	3	3.3	3.3	3		3	2.7
18-44	0.5	0.9	0.6	0.6		0.7	0.6
45-64	3.9	4	4.3	4.1		3.6	3.7
65+	9.3	10	9.2	9.1		8.5	8.5
<i>Breast Cancer</i>							
Total	0.3	0.2	0.2	0.1		0.2	0.1
<i>Colorectal Cancer</i>							
Total	0.4	0.2	0.3	0.2		0.2	0.2
65+	1.3	0.9	0.8	0.9		0.8	0.8
<i>Lung Cancer</i>							
Total	0.3	0.3	0.3	0.3		0.3	0.3

Department of Health Services: Data from Public Health Profiles & Health Analytics Section, Division of Public Health

## Hospitalization Rates due to Injuries Age-adjusted per 100,000 population

Age at Hospitalization	2017	2018	2019	2020	WI 2020
0	130.5	X	X	X	162.7
1-4	50.2	31.4	30.5	36.1	86
5-9	21.7	X	30.7	X	46
10-14	19	53.8	58	67	91.6
15-17	124.2	202.2	170.2	152.1	211.9
18-19	276.1	219.3	178.7	115.5	255.7
20-24	238.8	249	217.7	219.3	248
25-34	264	242.6	232.3	191.3	291.1
35-44	191.2	208.4	176	195.4	272
45-54	248.2	225.2	200.9	207.8	297.8
55-64	375	340.8	343.2	298.3	417.4
65-74	680.7	704.4	640.8	681.3	663.2
75-84	1839.2	1833	1862.6	1607.4	1476.7
85+	4298.7	4110	4248.9	4422.7	3445.2

Injuries includes both intentional and unintentional (i.e. falls, assault, drowning, firearms, poisoning, self-harm, traumatic brain injury, fire-related and motor vehicle-relate injuries)

X indicates less than 5 cases and more than zero

*WISH Data*

# DOMAIN 10

Definition: Measures within this category include diseases which are usually transmitted through person-to-person contact or shared use of contaminated instruments / materials. Many of these diseases can be prevented through a high level of vaccine coverage of vulnerable populations, or through the use of protective measures.



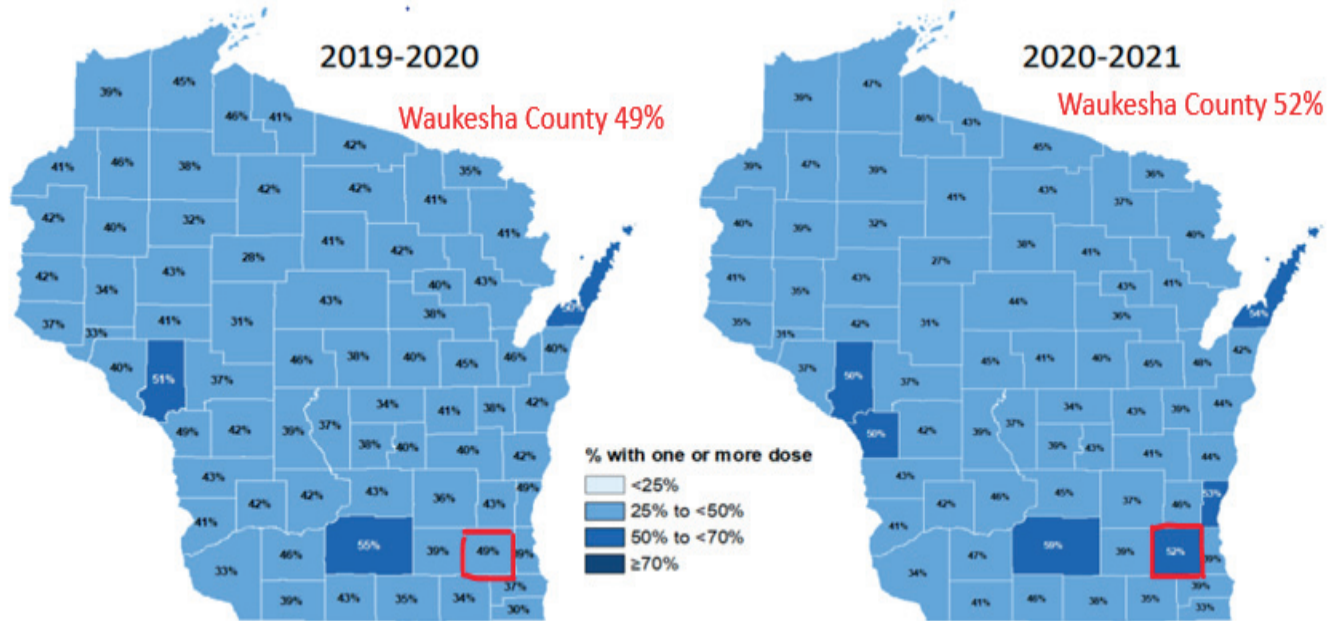
Waukesha County Vaccine rates are higher in comparison to the state in all areas except HPV.

Communicable disease investigations have continued to increase since 2013. A dip occurred in 2020, However, in 2021 the rise in Communicable disease investigation is back on the continuous trend of rising.

# Vaccinations

## Influenza vaccination rates by age and county for all ages, Wisconsin

Percentage of Wisconsin residents who received one or more doses of influenza vaccine during July 1 – June 30, by age group and county of residence

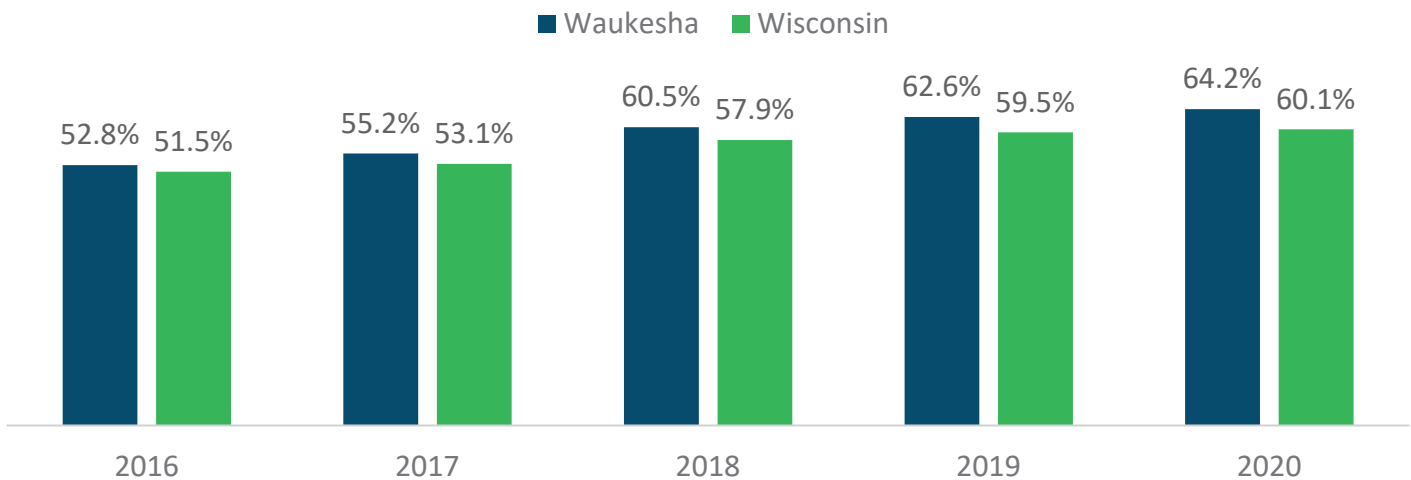


Data source: Numerator: Number of persons recorded in the Wisconsin Immunization Registry as having received at least one dose of influenza during the specified time period. Denominator: Wisconsin population estimates.

P-02459E (07/2021)

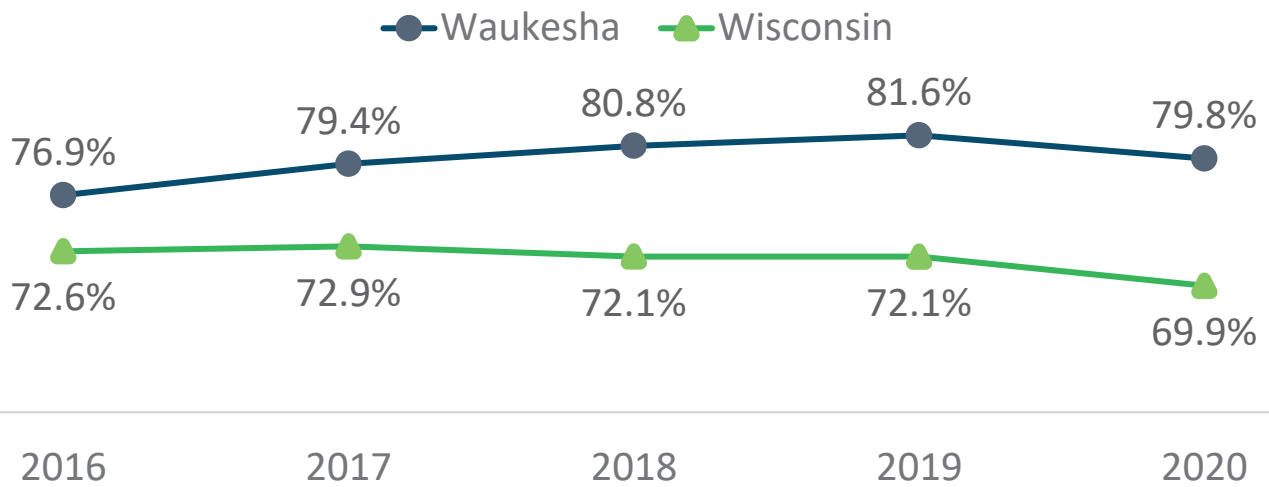
Bureau of Communicable Diseases | Immunization Program  
Wisconsin Department of Health Services | Division of Public Health

## Percent of Persons Immunized for Pneumonia in Waukesha County and Wisconsin from 2016 to 2020

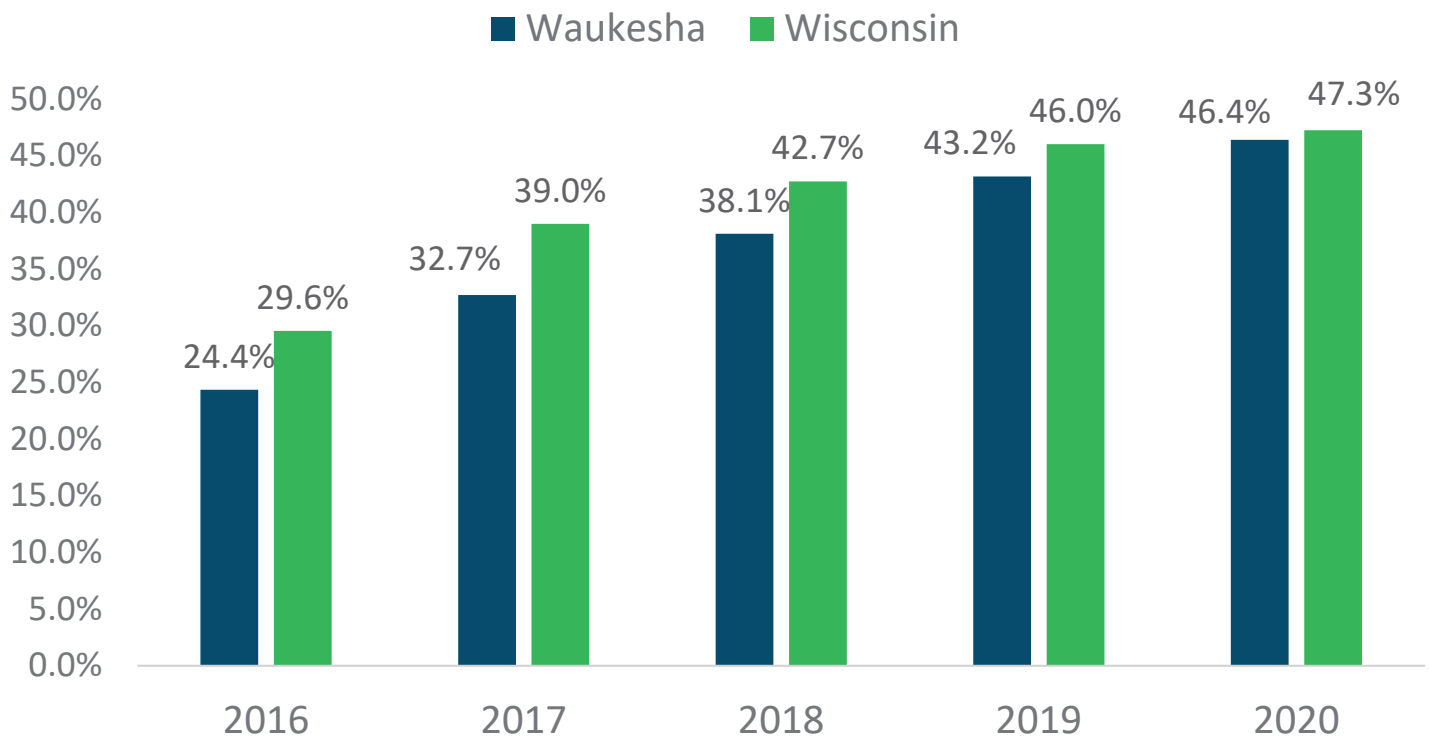


Source: Wisconsin Department of Health Services

### Percent of 2-year-old Children who Have Received all Age-Appropriate Vaccines



### Percent of HPV Vaccine Completion Ages 13-18



Source: Wisconsin Department of Health Services



# Acute & Communicable Diseases

## Selected Reportable Acute and Communicable Diseases in Waukesha County from 2017-2021

Name of Diseases	2017	2018	2019	2020	2021
<b>Enteric Diseases</b>					
Campylobacteriosis	82	64	75	56	57
Cryptosporidiosis	19	14	8	4	20
E. coli , pathogenic	10	28	22	9	43
Giardiasis	24	30	27	17	26
Hepatitis A	2	1	4	0	5
Salmonellosis	55	38	45	47	42
Shigellosis	10	8	8	1	2
<b>Vaccine Preventable Diseases</b>					
Hepatitis B	20	19	14	12	17
Measles	0	0	0	0	0
Mumps	2	1	1	2	0
Pertussis	49	22	39	22	0
Rubella	0	0	0	0	0
Varicella	14	15	33	7	13
<b>Sexually Transmitted Diseases</b>					
Chlamydia	847	857	859	716	747
Gonorrhea	148	154	134	191	169
HIV/AIDS	5	5	7	4	NA
Syphilis	17	15	8	24	28
<b>Other Selected Reportable Diseases</b>					
Coronavirus (COVID-19) **	0	0	0	38,513	47,842
Hepatitis C	108	108	74	74	80
Influenza-Associated Hospitalization	302	409	251	189	28
Legionellosis	12	23	18	19	22
Lyme Disease	110	110	156	132	210
Meningococcal Disease	0	0	0	0	0
Mycobacterial Disease (Non-TB)	92	96	95	90	102
Tuberculosis, Active	7	4	7	2	4
Tuberculosis, Latent (LTBI)*	18	90	141	110	122

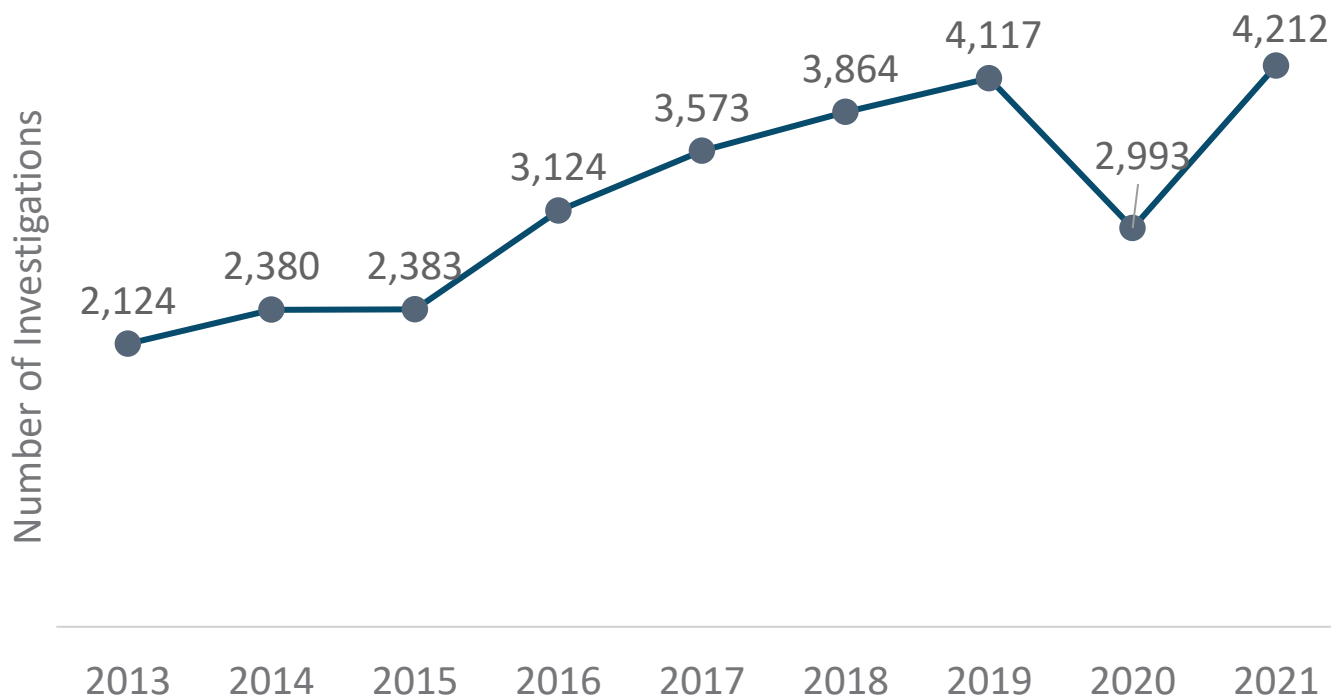
\*Newly Reportable Disease 7/1/18

\*\*Newly Reportable Disease 3/1/20

# Communicable Disease

Communicable disease investigations have increased steadily since 2013. A slight dip occurred in 2020, which is most likely could be attributed to the pandemic since behaviors changed and access to care was severely impacted. In 2021, communicable disease continued its upward trend.

**Waukesha County Communicable Disease Investigations (excluding COVID and FLU for 2020 & 2021)**



# DOMAIN 11

Definition: Sentinel events are those cases of unnecessary disease, disability, or untimely death that could be avoided if appropriate and timely medical care or preventive services were provided. These include vaccine-preventable illness and unexpected syndromes or infections. Sentinel events may alert the community to health system problems such as inadequate vaccine coverage or the introduction of globally transmitted infections. This category includes emerging issues such as the heroin/opiate epidemic.



“The projected number of future extreme heat days (those above 90°F) is expected to increase in all Wisconsin counties over the next several decades which can contribute to mental health problems, water and vector-borne diseases, allergies, water and food insecurity, and even death.” (Waukesha County Environmental Health Profile, 2021)

From 2010 to 2020, there has been a significant increase of opioid overdose emergency room visits in Waukesha County.

Individuals in the 18-44 age group have a higher rate of opioid overdose ER visits.

Males have a higher rate of opioid overdose ER visits.

African Americans have a higher rate of opioid overdose ER visits. More males and individuals in the 18-44 age group have received opioid-related treatment.

Total annual drug related deaths have varied over time; However, there was a sharp increase in deaths in 2020 due to increased number of accidental drug overdoses. These increases

# Emerging Threats

- Adolescent Lung injuries due to Vaping
- COVID-19
- Drug-resistance Tuberculosis
- Waukesha Christmas Parade attack/tragedy

## Climate Change

### Extreme Heat

Projected number of days in 2080 > 90°F



### Extreme Precipitation

Projected number of days in 2080 with ≥1 inch of precipitation



! Above state value    ✓ At or below state value    ^ Suppressed

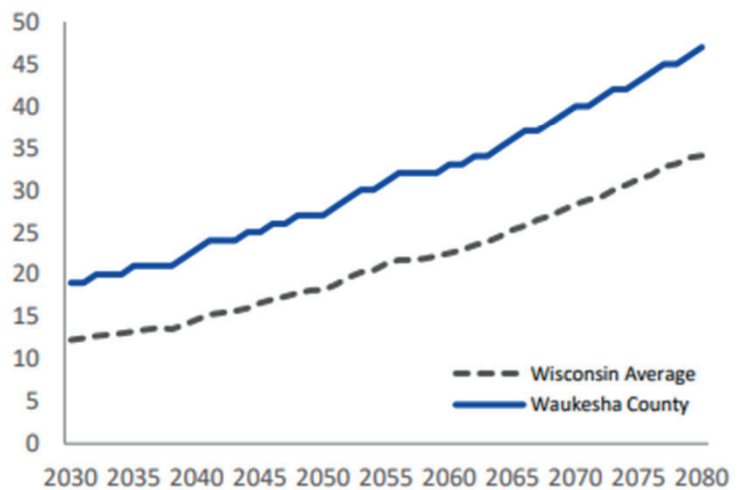
“Changes in the climate may lead to drought, temperature extremes (very hot and very cold days), more precipitation and flooding, and more carriers of disease (for example, mosquitoes and ticks).”

“Climate change can contribute to mental health problems, water and vectorborne diseases, allergies, water and food insecurity, and even death.” (Waukesha County Environmental Health Profile, 2021)

“As temperatures rise, there is an increased risk of more heat-related illness and deaths in both urban and rural areas. Certain populations, such as adults who live alone or have limited social contacts, older adults, males who work or play outside, and people without access to air conditioning are at increased risk of heat-related illness.”

“The projected number of future extreme heat days (those above 90°F) is expected to increase in all Wisconsin counties over the next several decades.” (Waukesha County Environmental Health Profile, 2021)

PROJECTED NUMBER OF FUTURE EXTREME HEAT DAYS  
NUMBER OF DAYS > 90°F



Source: Waukesha County Environmental Health Profile, 2021

# Prescription Opioid & Heroin Crisis

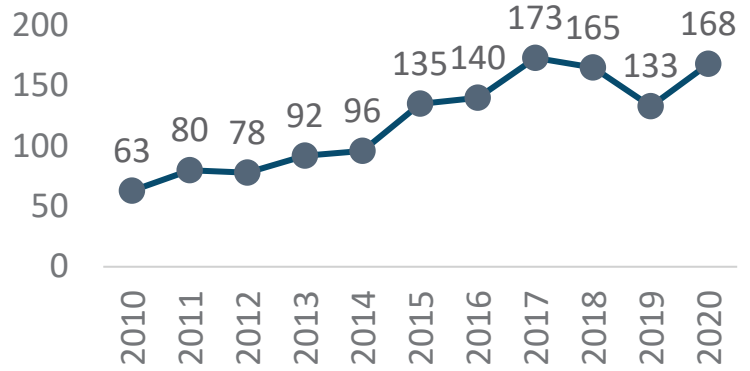
## Waukesha County Opioid Emergency Room Visits (2012-2020)

In Waukesha County, the average rate for all years is **26.6 emergency room visits per 100,000 residents** compared to WI at **30.3 visits per 100,000 residents**.

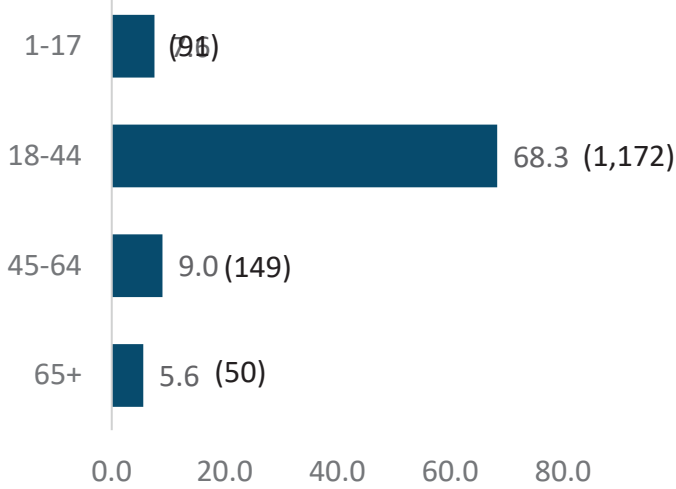
The average rate for all years is **26.9 inpatient visits per 100,000 residents** compared to WI at **24.1 visits per 100,000 residents**.

The total emergency room visit count for all years is **1,463** compared to **24,347** for WI.

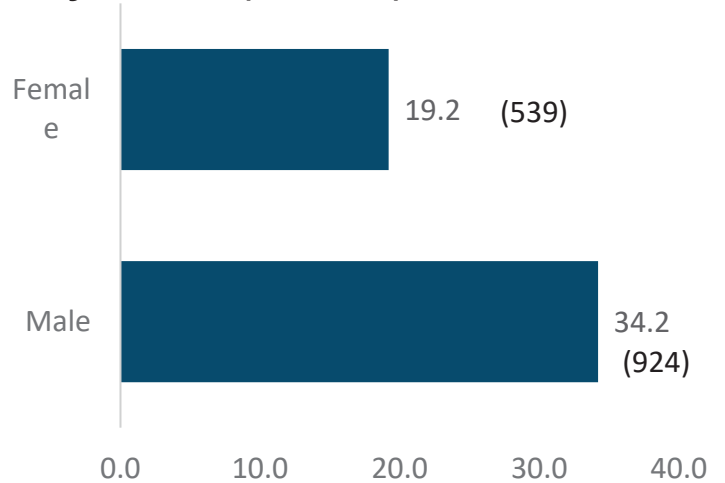
Count of Emergency Room Visits



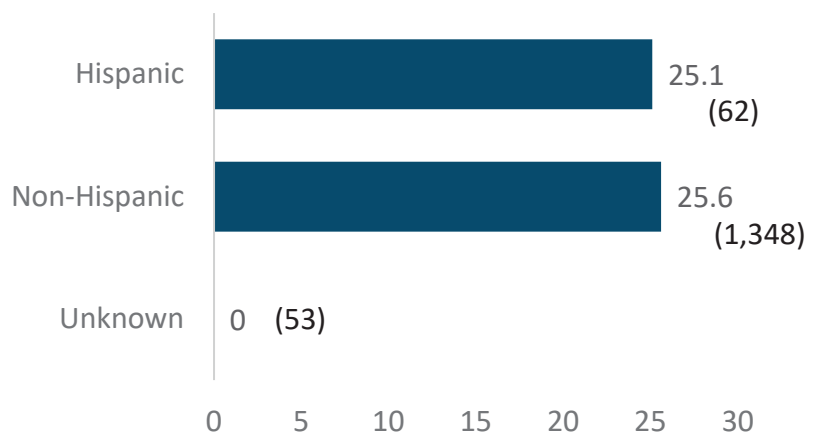
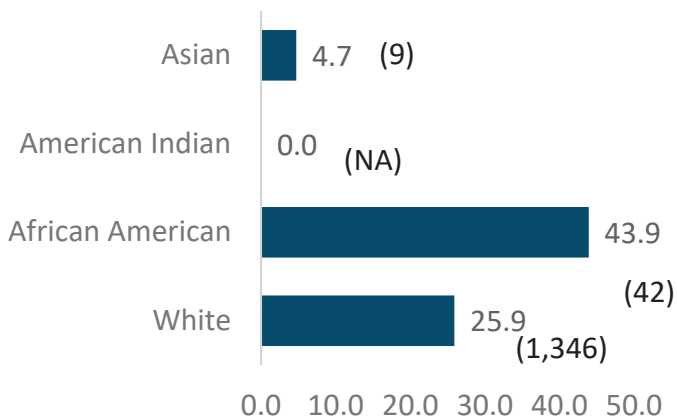
Rate of All Opioid Overdose ER Visits by Age (Number)



Rate of All Opioid Overdose ER Visits by Gender (Number)



Rate of All Opioid Overdose ER Visits by Race & Ethnicity (Number)



# Waukesha County Suspected Opioid Overdoses

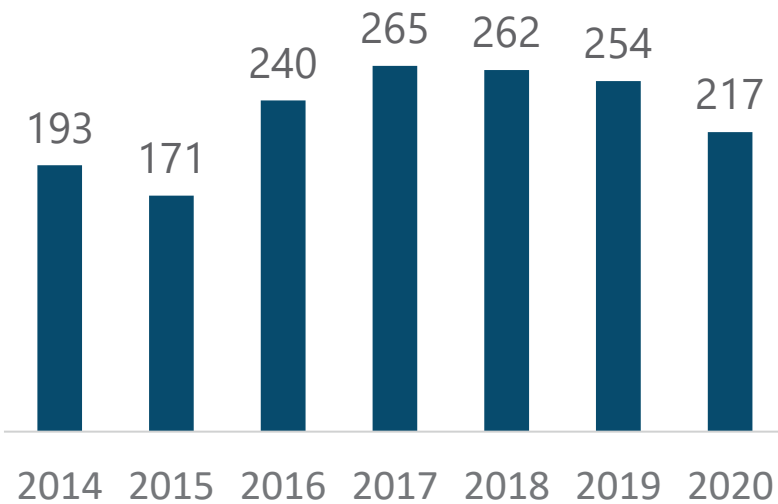
The data is based on suspected opioid overdose cases in Wisconsin and Waukesha County as determined by ambulance run reports. **These data are provisional and subject to change.**

OPIOID OVERDOSE AMBULANCE RUNS AT-A-GLANCE			
	County	Region	Wisconsin
<b>MONTH*</b>			
February	19	311	579
February Rate (per 100,000)	4.8	14.7	10.0
<b>YEAR TO DATE (YTD)</b>			
Count	46	706	1,275
Rate (per 100,000)	11.6	33.3	22.1
Percent of total ambulance runs	0.9	1.6	1.3
Naloxone doses administered	45	802	1,373

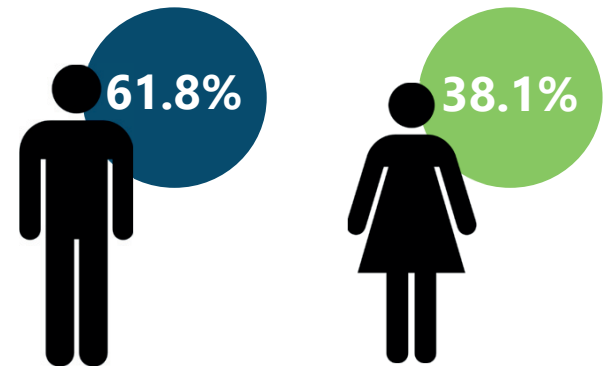
\* The most recent month available

Below is data on treatment for people in Waukesha County with an opioid-related treatment need provided through county-authorized services from 2014-2020. Services could be paid for by Medicaid, county agencies, private insurance, or self-pay.

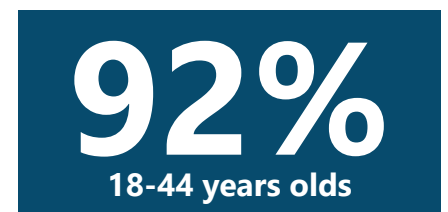
**Opioid Treatment  
Number of People Treated**



**Opioid Treatment  
By Gender**



**Opioid Treatment  
By Age**



In the last three years, of the people receiving any county-authorized opioid-related treatment, **100%** received **outpatient counseling** services.

Source: Wisconsin Department of Health Services, 2021

# Waukesha County Drug Related Deaths 2012-2021 (to date)

## Deaths by Manner, Age and Gender

Year	Total number Drug Related Deaths	Accident	Suicide	Undetermined	Gender Male ; Female	Age Range	Avg. Age
2012	59	49	7	3	39 M ; 20 F	20 - 82 yrs	41 yrs
2013	39	33	5	1	23 M ; 16 F	19 – 87 yrs	44 yrs
2014	50	40	5	5	33 M; 17 F	12 - 64 yrs	37 yrs
2015	49	39	7	3	26M; 23 F	20 - 94 yrs	43 yrs
2016	62	53	6	3	47 M; 15 F	15 – 88 yrs	39 yrs
2017	76	61	14	1	52 M; 24 F	18 – 79 yrs	41 yrs
2018	67	55	8	4	40 M; 27 F	17 - 92 yrs	42 yrs
2019	54	48	5	1	32 M; 22 F	16 – 91 yrs	45 yrs
2020	95	87	5	3	58 M; 37 F	1 - 94 yrs	
2021 (to date)	49	47	1	1	33 M; 16 F	19 – 63 yrs	

## Deaths by Type of Substance Identified

Year	Drug Related Deaths	Total Heroin-related (alone or in combination)	Opioid Medications (alone or in combination)	Non-prescription synthetic Opioids alone	Fentanyl and its Analogs (no Heroin present)	Novel Psychoactive Substances (no heroin or fentanyl present)	Other Drugs or Medications
2012	59	21	27/1*				10
2013	39	11	23**				5
2014	50	15	29				6
2015	49	20	23**				6
2016	62	24 (4 w/Fentanyl or its analogs)	18**/1*	1 (U47700)	11		7
2017	76	37 (15 w/Fentanyl)	20/1**	-	6		12
2018	67	26 (12 w/Fentanyl) ^	14*/1**	-	16		10
2019	54	15 (10 w/Fentanyl) ^	8	-	25^		6
2020	95	23 (19 w/Fentanyl)	11	-	44	3	14
2021 (to date)	49	6 (5 w/Fentanyl)	4	-	33	1	5

\*One death in 2012, one death in 2016 one in 2018 involved both injury sustained and use of prescription opiate medication.

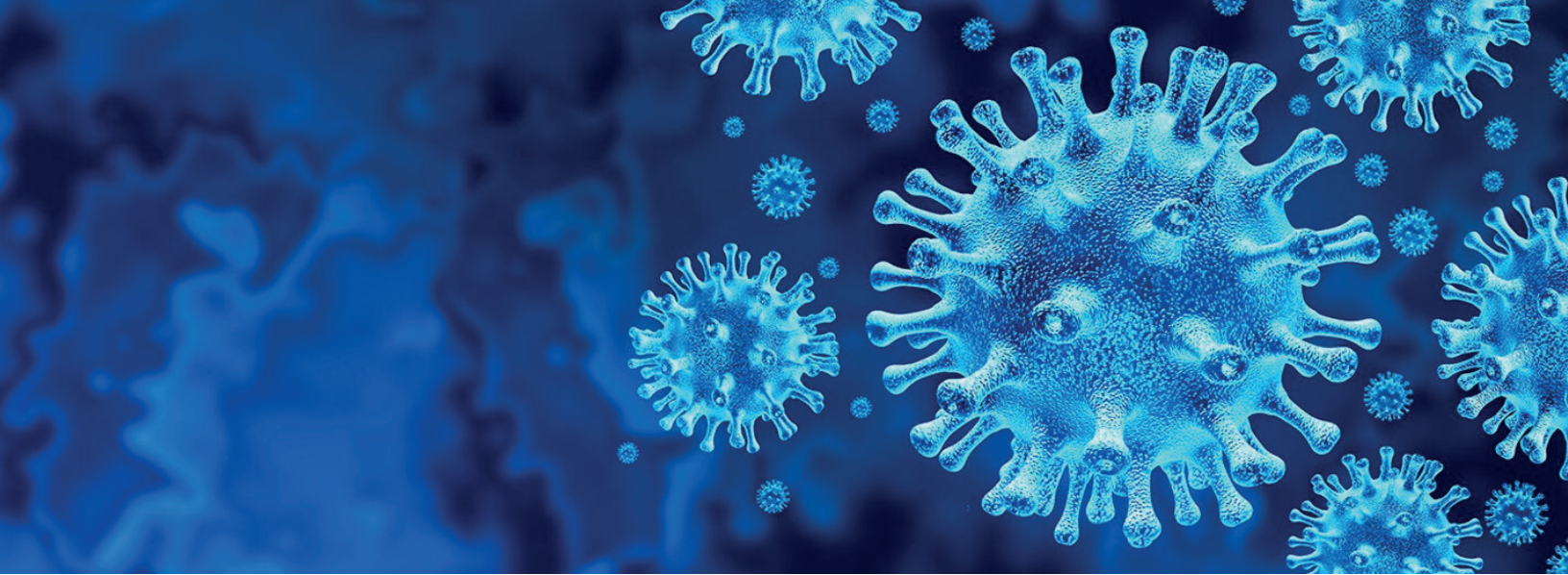
\*\*Deaths in 2013, 2015, 2017 and 2018 had morphine identified but it was undetermined whether source was a prescription or heroin metabolism.

^Two deaths in 2018 and one in 2019 involved a combination of heroin or Fentanyl and an external event.

Source: Waukesha County Medical Examiner's Office, 2022

### Drug-Related Death Data Highlights

Total annual drug related deaths have varied over time; However, there was a sharp increase in deaths in 2020 due to increased number of accidental drug overdoses. These increases being largely due to Fentanyl overdoses, either alone or in combination with heroin.



## 2020 COVID-19 PANDEMIC

On March 11<sup>th</sup>, 2020, Waukesha County received its first case of COVID-19. Cases very slowly increased until summer and then started growing more rapidly. The first peak of disease was in November 2020, which culminated in close to 900 cases in one day and over 13,000 for the month.

Waukesha County saw a steady decline in cases from November 2020 to June of 2021, which saw a low of only 3 cases per day by the end of June. In July 2021, the Delta variant started to spread causing a fairly rapid increase of cases. Cases steadily increased through the fall and plateaued mid-December at around 250 cases a day.

The rise of the Omicron variant in late December redefined a new level of illness. By early January 2022, Waukesha County was averaging 1,300 cases a day, and the month of January alone recorded over 22,000 cases, which accounted for 20% of the entire pandemic.

Throughout the pandemic, COVID-19 caused hospitalizations and fatalities in all age groups, however older adults were impacted the most.



# COVID-19 Overall Data

COVID-19 Data	2020	2021
Confirmed Cases	34,523	33,909
Number of Outbreaks	960	755
Fatalities with Confirmed Cases	372	254
Hospitalization due to Confirmed Cases	2,012	1,535
Number of Investigations	196,183	186,643

Number of reported confirmed and probable COVID-19 cases by date of symptom onset or diagnosis:

## Waukesha County

Updated: 4/21/2022 (Total: 113,034)

The most recent two weeks are preliminary and subject to change as more data are submitted (from 4/7/2022 to 4/21/2022)

Select County:

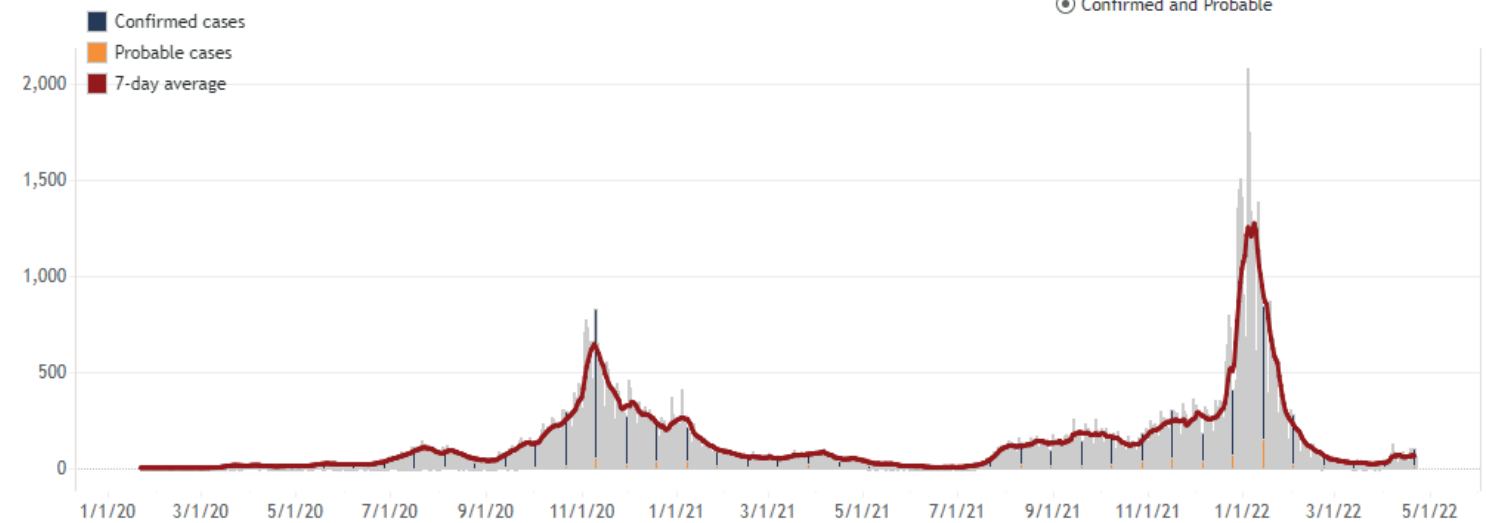
Waukesha County

Move the slider to select a date range:

1/22/2020 4/21/2022

Select Case Status:

- Confirmed
- Probable
- Confirmed and Probable

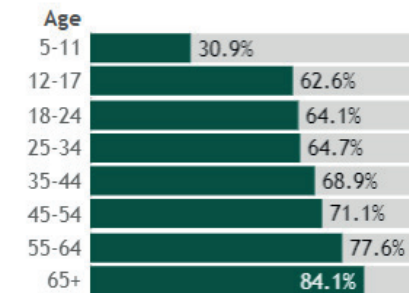
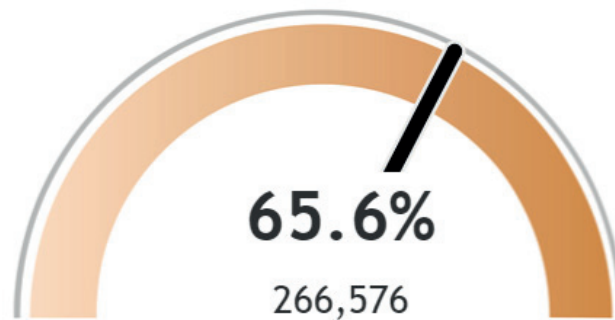


# COVID-19 Vaccinations

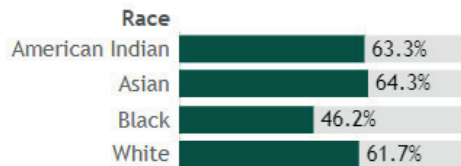
## Waukesha County Total county population: 406,172

Percent of residents with at least one dose: **68.7% (278,908)**  
 Percent of residents who have completed the vaccine series: **65.6% (266,576)**  
 Percent of residents who have received an additional/booster dose: **37.2% (150,948)**

### Percent of Waukesha County Residents Who Have Completed The Vaccine Series



\*0.1% of records were reported without sex.



\*5.0% of records reported a race of "Other"

\*1.6% of records reported an unknown race



\*2.1% of records were reported without ethnicity.

Percent of Children and Adults with Completed Vaccine Series	
Children	47%
Adults	74%
Booster in Adults	45%



## Issues to Watch

- Marijuana Legalizations
- New Substances such as Delta 8

## Data Needed

- Social Connection & Support
- Drug Use
- Health Literacy
- Pay Gap by County
- Childcare Burden by County
- Youth/Children
- ACE Scores and Data by County

# References

1. **Centers for Disease Control and Prevention.** National Center for Chronic Disease Prevention and Health Promotion. 2019. [Chronic Disease Center \(NCCDPHP\) | CDC](#)
2. **Centers for Disease Control and Prevention.** Diabetes and Obesity Map. 2019. <https://www.cdc.gov/diabetes/data/center/slides.html>
3. **Community Attributes Inc.** (2022). *Community Opportunity Map*. Home Page - Casey Family. Retrieved March 28, 2022, from <https://community-opportunity-map.casey.org/?county=Waukesha&state=Wisconsin&tab=access&searchType=county>
4. **County Health Rankings.** Waukesha County. [Online]. 2022. <https://www.countyhealthrankings.org/>
5. **Cyberbullying.org.** (2020). Bullying, Cyberbullying, and Sexting Rates from 2016-2019. Retrieved from <https://cyberbullying.org/wisconsin>
6. **HUD Economic and Market Analysis Division.** (2022). *FY 2022 Fair Market Rent Documentation System*. FY 2022 Fair Market Rent Documentation System - Calculation for. Retrieved March 28, 2022, from [https://www.huduser.gov/portal/datasets/fmr/fmrs/FY2022\\_code/2022summary.odn](https://www.huduser.gov/portal/datasets/fmr/fmrs/FY2022_code/2022summary.odn)
7. **Institute for Community Alliances.** (2020). State of Homeless Report 2019. Retrieved from <https://www.cwcac.org/wp-content/uploads/2021/03/State-of-Homeless-Report-2019c.pdf>
8. **Integrated Performance Solutions.** Health Equity Strategy Accelerator. Community Vulnerability Assessment. 2022
9. **Luczaj, R.** Waukesha County Drug Treatment Court. 2022
10. **Medicare Current Beneficiary Survey.** Access to Care. 2013
11. **National Alliance to End Homelessness.** (2021). SOH: State and CoC Dashboards. Retrieved from <https://endhomelessness.org/homelessness-in-america/homelessness-statistics/state-of-homelessness-dashboards/?State=Wisconsin>
12. **National Cancer Institute.** State Cancer Profiles. 2014-2018. <https://statecancerprofiles.cancer.gov/recenttrend/index.php?0&55&0&9599&001&999&00&2&0&0&1#results>
13. **National Center for Education Statistics.** Program for the International Assessment of Adult Competencies Skills Map. [Online]. 2022. <https://nces.ed.gov/surveys/piaac/skillsmap/>
14. **National Health Literacy Mapping to Inform Health Care Policy.** Health Literacy Data Map. University of North Carolina at Chapel Hill. 2014. Retrieved June 1, 2015, from [US Health Literacy Scores \(unc.edu\)](https://www.healthliteracydata.org/)
15. **United States Census Bureau.** American Community Survey. 2020. Retrieved from [American Community Survey \(ACS\) \(census.gov\)](https://www.census.gov/programs-surveys/acs/)
16. **United States Census Bureau.** (2021, November 22). Historical living arrangements of children. Census.gov. Retrieved March 28, 2022, from <https://www.census.gov/data/tables/time-series/demo/families/children.html>
17. **United States Census Bureau.** (2022, March 8). Language spoken at home. Retrieved March 28, 2022, from <https://www.census.gov/acs/www/about/why-we-ask-each-question/language/>
18. **United States Census Bureau.** (2022, March 2). Vehicles available. Retrieved March 28, 2022, from <https://www.census.gov/acs/www/about/why-we-ask-each-question/vehicles/>
19. **Waukesha County Community Health Survey.** 2020. Retrieved from [Froedtert Menomonee Falls Hospital Community Engagement](#)
20. **Waukesha County Environmental Health Profile.** 2021. Retrieved from [p00719-waukesha.pdf \(wisconsin.gov\)](#)
21. **Waukesha County Health and Human Services.**
22. **Waukesha County Medical Examiner's Office.** Waukesha County Drug Related Deaths. 2022
23. **Waukesha County Medical Examiner's Office.** Waukesha County Suicide Death Statistics. 2022.
24. **Waukesha, WI Real Estate Market: Realtor.com®.** realtor.com. (2022). Retrieved March 28, 2022, from [https://www.realtor.com/realestateandhomes-search/Waukesha\\_WI/overview](https://www.realtor.com/realestateandhomes-search/Waukesha_WI/overview)

# References

1. **Wisconsin Broadband Office.** (n.d.). Wisconsin Broadband Map. Wisconsin Broadband Map - Public Service Commission of Wisconsin. Retrieved March 28, 2022, from <https://maps.psc.wi.gov/apps/WisconsinBroadbandMap/>
2. **Wisconsin Cancer Collaborative.** County Cancer Data Dashboard. [Online]. 2022. <https://wicancer.org/resources/county-cancer-profiles/county-cancer-data-dashboard/>
3. **Wisconsin Center for Nursing.** Diversity in Nursing Infographic. [Online]. 2014. <https://drive.google.com/file/d/1CLTVe7AZyIfIH1ux5Ed9gRoXDKCtyMKe/view>
4. **Wisconsin Department of Health Services.** COVID-19: Wisconsin Summary Data. 2022. Retrieved from [COVID-19: Wisconsin Summary Data | Wisconsin Department of Health Services](#)
5. **Wisconsin Department of Health Services.** Data Direct, Opioid Hospitalization Module [web query]. Data last updated 3/15/2022 4:00:57 AM. [Dose of Reality: Opioid Hospital Visit Dashboard | Wisconsin Department of Health Services](#)
6. **Wisconsin Department of Health Services.** Division of Public Health. Office of Health Informatics. Waukesha County and Wisconsin Hospitalization Data. 2022
7. **Wisconsin Department of Health Services.** Hospital Provider Directory for Wisconsin & Directory of Licensed Wisconsin Nursing Homes. [Online]. 2022. <https://www.dhs.wisconsin.gov/guide/hospitaldir.pdf> and <https://www.dhs.wisconsin.gov/guide/nhdir.pdf>
8. **Wisconsin Department of Health Services.** Interactive Dashboards, Opioid Treatment Module [web query]. Data last updated 10/25/2019. [Dose of Reality: Opioid Treatment Data by County Dashboard | Wisconsin Department of Health Services](#)
9. **Wisconsin Department of Health Services.** Mental Health: County Services Dashboard. [Online] 2022. <https://www.dhs.wisconsin.gov/mh/county-services-dashboard.htm>
10. **Wisconsin Department of Health Services.** Office of Health Informatics. [Online]. 2022. [Suspected Opioid Overdose Report for Southeastern Region, February 2022 \(wisconsin.gov\)](#)
11. **Wisconsin Department of Health Services.** Public Health Profiles 2017 (state, counties, and regions) P-45358-21. [Online]. 2022. <https://www.dhs.wisconsin.gov/publications/p45358-21.pdf>
12. **Wisconsin Department of Health Services.** Public Health Profiles Waukesha 2017. [Online]. 2022. <https://www.dhs.wisconsin.gov/stats/phprofiles/waukesha.htm>
13. **Wisconsin Department of Health Services.** Resilient Wisconsin: Adverse Childhood Experiences. 2017-2018. Retrieved from [Resilient Wisconsin: Adverse Childhood Experiences | Wisconsin Department of Health Services](#)
14. **Wisconsin Department of Health Services.** Substance Use: County Services Dashboard. [Online] 2022. <https://www.dhs.wisconsin.gov/aoda/county-services-dashboard.htm>
15. **Wisconsin Department of Health Services.** Wisconsin Cancer Reporting System. [Online] 2022. <https://cancer-rates.info/wi/>
16. **Wisconsin Department of Justice.** UCR Arrest Data. 2021. Retrieved from <https://www.doj.state.wi.us/dles/bjia/ucr-arrest-data>
17. **Movement Advancement Project.** Wisconsin's Equality Profile. Retrieved from [Movement Advancement Project | State Profiles \(lgbtmap.org\)](#)
18. **Wisconsin Hospital Association.** Wisconsin Health Care Workforce Report. [Online]. 2020. [https://www.wha.org/MediaRoom/DataandPublications/WHAResports/Workforce/2020/Report/WHA-Workforce-Report-2020\\_web](https://www.wha.org/MediaRoom/DataandPublications/WHAResports/Workforce/2020/Report/WHA-Workforce-Report-2020_web)
19. **Wisconsin Interactive Statistics on Health (WISH).** Cancer Data Sources. [Online]. 2022. <https://wish.wisconsin.gov/cancer/incidence.htm>
20. **Zillow, I.** (n.d.). Wisconsin home prices & home values. Zillow. Retrieved March 28, 2022, from <https://www.zillow.com/wi/home-values/>



# Public Health

Prevent. Promote. Protect.

## Waukesha County Public Health

514 Riverview Ave. Waukesha, WI 53188 | 262-896-8430

## Social Media Resources:

@WaukeshaCountyPublicHealth



@WaukeshaCoHHS



@WaukeshaCoHHS



@Waukesha County Health & Human Services



Scan this QR code with the camera on your phone to find all Waukesha County Social media page links.



### Purpose & Process of the assessment

#### Purpose

- Crucial component of the MAPP process
- Data gathered serves as a foundation for analyzing and identifying community health issues
- Look at where we stand over time and in relation to state and national data

#### Process

- CHIPP Data Committee has been collecting and formatting this data since January 2022
- All CHIPP steering committee members received a full report and have had a chance to review the data
- TODAY:
  - CHIPP Data Committee identified key areas to share and created a presentation
  - Identify key issues and cluster these ideas as a full team

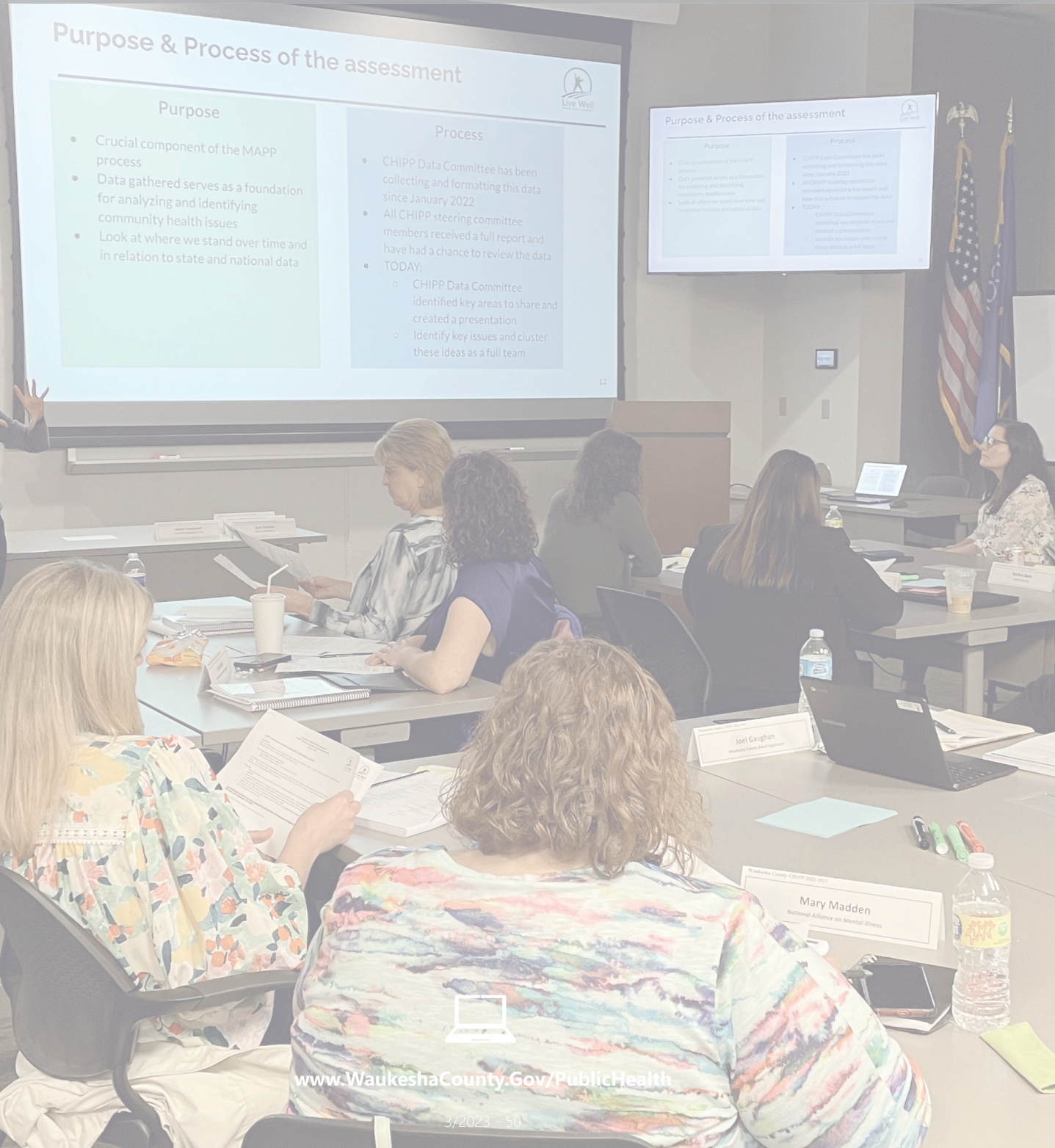
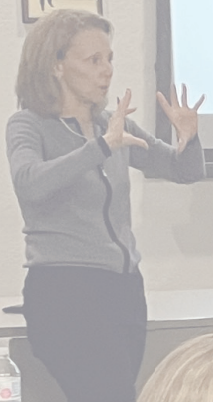
### Purpose & Process of the assessment

#### Purpose

- Crucial component of the MAPP process
- Data gathered serves as a foundation for analyzing and identifying community health issues
- Look at where we stand over time and in relation to state and national data

#### Process

- CHIPP Data Committee has been collecting and formatting this data since January 2022
- All CHIPP steering committee members received a full report and have had a chance to review the data
- TODAY:
  - CHIPP Data Committee identified key areas to share and created a presentation
  - Identify key issues and cluster these ideas as a full team



[www.WaukeshaCounty.Gov/PublicHealth](http://www.WaukeshaCounty.Gov/PublicHealth)