

Manitowoc County Health Data Report



A summary of secondary data sources

2019

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Working together to improve the health of communities



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Notes:

In 2019, the Center for Urban Population Health was enlisted to create a report detailing the health of Manitowoc County using secondary data. This health data report is one piece of a variety of data sources being used by local health systems to describe their communities and the health priorities of their service areas. Indicators for which primary data are being collected were excluded from this report. In addition, rather than repurposing data from the comprehensive county rankings report created by the University of Wisconsin Population Health Institute (2019), the county level data from the rankings report is included in its entirety at the end of this report.

All of the data used in this report come from publicly available data sources. Data for each indicator were presented by race and ethnicity and gender when the data were available. Race data categorized as 'unknown' or 'missing' were rarely included in this report. Therefore, not all races are represented in the data that follow.

In some cases data were not presented by the system from which they were pulled due to their internal confidentiality policies which specify that data will not be released when the number is less than five. In other cases, data were available but the rates or percentages are not presented in this report. This is due to the indicator having small numbers in the numerator or denominator resulting in rates or percentages that were subject to large year to year fluctuations and, as such, would not have provided a meaningful representation of the data for the population subset.

When applicable, Healthy People 2020 objectives are provided for each indicator. These objectives were not included unless the indicator directly matched with a Healthy People 2020 objective.

University of Wisconsin Population Health Institute. *County Health Rankings 2019*. Accessible at www.countyhealthrankings.org.

Manitowoc County - Secondary Data Report

Total Population - Manitowoc County				
		2017		State 2017
Total Population		79,680		5,763,217
Total Population		N	%	
	White	75,329	98.6%	85.9%
	Black or African American	571	0.7%	6.3%
	Asian	2,096	2.6%	2.6%
	American Indian and Alaska Native	339	0.4%	0.9%
	Some Other Race	195	0.2%	1.9%
	Two or more races	1,122	1.4%	2.3%
	Hispanic or Latino	2,945	3.7%	6.6%
Total Population				
	Male	39,612	49.7%	49.7%
	Female	40,068	50.3%	50.3%
Total Population				
	0-14	13,720	17.3%	18.6%
	15-44	26,682	33.5%	38.2%
	45-64	24,259	30.4%	27.5%
	65+	15,019	18.9%	15.6%

US Census Bureau (2017). American Fact Finder. Data accessed from <https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=CF> and <https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=CF> on January 14, 2019.

Manitowoc County - Secondary Data Report

Demographics - Manitowoc County			
		2017	State 2017
Education level of adults 25 years or older			
	Less than high school degree	8.6%	8.3%
	High school degree	38.8%	31.3%
	Some college/associates	32.9%	31.4%
	Bachelors degree or higher	19.7%	29.1%
Percent of those ages 16 or older who are unemployed			
	Unemployment rate	2.4%	3.1%
Median HH Income (2017 dollars)			
	Median Income	\$51,053	\$56,759
Percent of all people below poverty in last 12 months			
	Percent below poverty	10.2%	12.3%
Language spoken at home			
	English	94.5%	91.3%
	Spanish	2.3%	4.6%
	Indo-European	1.0%	1.9%
	Asian and Pacific Island	2.1%	1.8%
	Other Languages	0.0%	0.4%
Owner Occupied			
	Owner Occupied	75.0%	67.0%
Renter Occupied			
	Renter Occupied	25.0%	33.0%

Data from American Community Survey 2017 estimates. Accessed at:
<https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=CF> on January 15, 2019.

Manitowoc County - Secondary Data Report

Population Change in Race and Ethnicity - Manitowoc County						
	2000 Census		2010 Census		2000 to 2010 Change	
	Number	% of Total	Number	% of Total	Number	Percent
Total Population	82,887	100.0%	81,442	100.0%	-1,445	-1.7%
Hispanic or Latino Population	1,343	1.6%	2,565	3.1%	1,222	91.0%
Not Hispanic or Latino	81,544	98.4%	78,877	96.9%	-2,667	-3.3%
White Alone	78,756	95.0%	75,210	92.3%	-3,546	-4.5%
Black Alone	227	0.3%	412	0.5%	185	81.5%
American Indian Alone	338	0.4%	395	0.5%	57	16.9%
Asian Alone	1,637	2.0%	2,027	2.5%	390	23.8%
Native Hawaiian or Other Pacific	29	0.0%	10	0.0%	-19	-65.5%
Some Other Race Alone	17	0.0%	51	0.1%	34	200.0%
Two or More Races	540	0.7%	772	0.9%	232	43.0%

Data accessed from <http://www.getfacts.wisc.edu/mapping.php> on July 1, 2016.

Manitowoc County - Secondary Data Report

Population Change in Age - Manitowoc County						
	2000 Census		2010 Census		2000 to 2010 Change	
	Number	% of Total	Number	% of Total	Number	Percent
Total Population	82,887	100.0%	81,442	100.0%	-1,445	-1.7%
0 to 4	4,846	5.8%	4,550	5.6%	-296	-6.1%
5 to 9	5,791	7.0%	4,874	6.0%	-917	-15.8%
10 to 14	6,434	7.8%	5,254	6.5%	-1,180	-18.3%
15 to 19	6,225	7.5%	5,484	6.7%	-741	-11.9%
20 to 24	4,141	5.0%	4,033	5.0%	-108	-2.6%
25 to 29	4,275	5.2%	4,480	5.5%	205	4.8%
30 to 34	5,453	6.6%	4,404	5.4%	-1,049	-19.2%
35 to 39	6,682	8.1%	4,499	5.5%	-2,183	-32.7%
40 to 44	6,933	8.4%	5,464	6.7%	-1,469	-21.2%
45 to 49	6,300	7.6%	6,743	8.3%	443	7.0%
50 to 54	5,247	6.3%	6,846	8.4%	1,599	30.5%
55 to 59	4,186	5.1%	6,166	7.6%	1,980	47.3%
60 to 64	3,371	4.1%	4,931	6.1%	1,560	46.3%
65 to 69	3,162	3.8%	3,810	4.7%	648	20.5%
70 to 74	3,227	3.9%	2,984	3.7%	-243	-7.5%
75 to 79	2,745	3.3%	2,501	3.1%	-244	-8.9%
80 to 84	2,061	2.5%	2,186	2.7%	125	6.1%
85+	1,808	2.2%	2,233	2.7%	425	23.5%

Data accessed from <http://www.getfacts.wisc.edu/mapping.php> on July 1, 2016.

Manitowoc County - Secondary Data Report

Poverty - Manitowoc County			
	2017	State 2017	
Percent of all ages in poverty	10.2%	12.3%	

Data Accessed from American Community Survey (2017).

https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml on January 15, 2019.

Manitowoc County - Secondary Data Report

Total Births - Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Total Births	783	796	780	64,994	
Total Births by Race/Ethnicity of Mother					
Non-Hispanic White	671	673	640	46,298	
Non-Hispanic Black	9	10	12	6,806	
American Indian/Alaska Native	5		7	723	
Hispanic	46	44	57	6,358	
Laotian/Hmong	34	46	42	1,351	
Other Race		7	10	1,888	
Two or More Races	13	10	11	1,431	
Total Births by Education of Mother					
Some High School or Less	82	85	77	6,762	
High School Graduate	210	220	218	15,978	
Some College	282	257	267	19,125	
College Graduate	169	169	171	15,769	
Post Graduate	37	61	46	7,017	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics.
 Wisconsin Interactive Statistics on Health (WISH) data query system, Birth Counts Module,
<https://www.dhs.wisconsin.gov/wish/birth/form.htm>, accessed January 15, 2019 and May 1,
 2019.

Manitowoc County - Secondary Data Report

Percent Births to Those Receiving First Trimester Care - Manitowoc County					
	2015	2016	2017	State 2017	HP 2020 goal
Total Births	783	796	780	64,994	
Percent 1st trimester care	78.8%	78.1%	79.5%	75.8%	77.9%
Percent of Mothers Receiving First Trimester Prenatal Care by Race/Ethnicity					
Non-Hispanic White	81.2%	81.9%	82.7%	80.7%	
Non-Hispanic Black		50.0%	50.0%	59.7%	
American Indian/Alaska Native				60.9%	
Hispanic	71.7%	59.1%	66.7%	65.1%	
Laotian or Hmong	61.8%	52.2%	64.3%	64.0%	
Other Race/Ethnicity			90.0%	71.2%	
Two or more Races	76.9%	70.0%	72.7%	68.3%	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics.
 Wisconsin Interactive Statistics on Health (WISH) data query system, Birth Counts Module,
<https://www.dhs.wisconsin.gov/wish/prenatal-care/form.htm>, accessed January 15, 2019 and
 May 1, 2019.

Manitowoc County - Secondary Data Report

Percent Late (started in third trimester) or No Prenatal Care- Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Total Births	783	796	780	64,994	
Percent late or no prenatal care	3.7%	3.8%	5.1%	4.7%	
Percent of Mothers Receiving Late or No Prenatal Care by Race/Ethnicity					
Non-Hispanic White	3.4%	3.3%	4.7%	3.8%	
Non-Hispanic Black				8.6%	
American Indian/Alaska Native				10.0%	
Hispanic				6.2%	
Laotian or Hmong				3.0%	
Other Race				6.3%	
Two or More Races				5.9%	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Birth Counts Module, <http://dhs.wisconsin.gov/wish/>, Prenatal Care Module, accessed January 15, 2019 and May 1, 2019.

Manitowoc County - Secondary Data Report

Tobacco Use During Pregnancy - Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Total Births	783	796	780	64,994	
Percent of births where mother indicated smoking during pregnancy	18.8%	15.6%	14.4%	11.0%	No greater than 1.4%
Percent of Mothers Who Smoked While Pregnant by Race/Ethnicity					
Non-Hispanic White	18.9%	16.8%	14.4%	11.5%	
Non-Hispanic Black				12.8%	
American Indian/Alaska Native				37.9%	
Hispanic	13.0%	13.6%	15.8%	5.7%	
Laotian or Hmong				4.8%	
Other Race				1.3%	
Two or More Races	61.5%			17.3%	
Percent of Mothers Who Smoked While Pregnant by Education					
Some High School or Less				19.1%	
High School Graduate	28.1%	25.9%	21.1%	21.2%	
Some College	16.3%	12.8%	13.5%	11.7%	
College Graduate	4.1%	3.0%	3.5%	1.4%	
Post Graduate				0.4%	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, <https://www.dhs.wisconsin.gov/wish/birth/form.htm>, accessed January 15, 2019 and May 1, 2019.

Manitowoc County - Secondary Data Report

Percent of All Births That Are Low Birthweight - Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Total Births	783	796	780	64,994	7.8%
Percent low birth weight (<2,500 grams)	6.6%	7.0%	6.7%	7.7%	
Percent of Births That Are Low Birthweight by Race of Mother					
Non-Hispanic White	6.9%	6.5%	7.0%	6.4%	
Non-Hispanic Black				15.4%	
American Indian/Alaska Native				8.7%	
Hispanic		15.9%		8.2%	
Laotian or Hmong				5.9%	
Other Race				8.5%	
Two or More Races				10.1%	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Low Birthweight Module, <https://www.dhs.wisconsin.gov/wish/lbw/form.htm>, accessed January 15, 2019 and May 1, 2019.

Manitowoc County - Secondary Data Report

Infant Mortality - Manitowoc County					
	2014	2015	2016	State 2016	Healthy People 2020 goal
Total Births	815	783	796	66,593	
Total number of Infant Deaths (<365 days)		5	6	415	
Infant mortality rate (<365 days) per 1,000	4.9	6.4	7.5	6.2	6.0
Infant Mortality Rate per 1,000 Live Births by Race/Ethnicity of the Mother					
Non-Hispanic White	5.8	6.0	8.9	5.3	
Non-Hispanic Black				15.2	
American Indian/Alaska Native				4.3	
Hispanic				4.5	
Laotian or Hmong				3.3	
Other Race				6.3	
Two or More Races					

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics.
 Wisconsin Interactive Statistics on Health (WISH) data query system, Infant Mortality Module,
<https://www.dhs.wisconsin.gov/wish/infant-mortality/form.htm>, accessed January 15, 2019.

Manitowoc County - Secondary Data Report

Premature Births (<37 weeks of gestation) - Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Total Births	783	796	780	64,994	
Percent Premature (<37 weeks of gestation)	9.8%	9.0%	9.6%	9.6%	11.4%
Percent Premature Birth by Race/Ethnicity of Mother					
Non-Hispanic White	10.4%	9.1%	9.8%	8.8%	
Non-Hispanic Black		20.0%	16.7%	15.0%	
American Indian/Alaska Native	40.0%		28.6%	13.0%	
Hispanic	6.5%	15.9%	5.3%	10.0%	
Laotian or Hmong		4.3%	9.5%	6.7%	
Other Race			10.0%	8.3%	
Two or More Races	15.4%			12.4%	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, <http://dhs.wisconsin.gov/wish/> Low Birthweight Module, accessed January 15, 2019 and May 2, 2019.

Manitowoc County - Secondary Data Report

Birth Rate for Teens Ages 15-19 - Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Total Births to Teens 15-19	39	37	31	2,591	
Birth rate per 1,000 for Teens Ages 15-19	16.6	15.8	13.3	14.0	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Teen Births Module, <http://dhs.wisconsin.gov/wish/>, Teen Births - Teen Birth Rates Module, accessed January, 2019 and May 2, 2019.

Manitowoc County - Secondary Data Report

Birth Rate for Teens Ages 15-17 - Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Total Births to Teens 15-17	8	10	10	630	
Birth rate per 1,000 for Teens Ages 15-17	5.8	7.3	7.1	5.6	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, <http://dhs.wisconsin.gov/wish/>, Teen Births Module, accessed January 15, 2019 and May 2, 2019.

Manitowoc County - Secondary Data Report

Years of Potential Life Lost per 100,000 population - Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Total Deaths	927	862	903	52,679	
Mortality Rate per 100,000	1,146.4	1,066.3	1,117.8	911.6	
Years of potential life lost : rate per 100,000	7,606.9	6,204.1	7,252.3	6,732.5	
Years Potential Life Lost by Race: rate per 100,000 population					
Non-Hispanic White	7,829.4	6,426.5	7,341.0	6,340.0	
Non-Hispanic Black	1,695.7	705.2	10,534.2	12,018.1	
Hispanic	3,008.1	619.2	8,451.7	4,356.6	
American Indian	14,952.6		158.9	10,148.8	
Asian	1,437.6	3,466.5	5,028.4	3,501.5	
Years Potential Life Lost by Sex: rate per 100,000 population					
Male	10,051.7	7,395.1	8,292.2	8,470.1	
Female	5,082.3	4,972.4	6,175.9	4,968.6	

* Years of Potential Life Lost (YPLL): An estimate of premature mortality, defined as the number of years of life lost among persons who die before age 75. YPLL is the sum of the differences between age 75 and the age at death for everyone who died before age 75.

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Mortality Module, <https://www.dhs.wisconsin.gov/wish/mortality/broad-form.htm>, accessed January 16, 2019.

Manitowoc County - Secondary Data Report

Number of Deaths - Manitowoc County						
	2015	2016	2017	State 2017	Healthy People 2020 goal	
Total Deaths (all causes)	927	862	903	52,679		
Mortality Rate	1,146.4	1,066.3	1,117.8	911.6		
Number of Deaths by Race/Ethnicity						
Non-Hispanic White	910	848	891	49,014		
Non-Hispanic Black				2,820		
Hispanic						
American Indian	7			437		
Asian	8	12	7	408		
Number of Deaths by Sex						
Male	470	427	429	26,868		
Female	457	435	474	25,811		

Mortality Rate (Per 100,000) - Manitowoc County						
	2015	2016	2017	State 2017	Healthy People 2020 goal	
Total Deaths (all causes)	927	862	903	52,679		
Mortality Rate	1,146.4	1,066.3	1,117.8	911.6		
Mortality Rate (Per 100,000) by Race/Ethnicity						
Non-Hispanic White	1,184.1	1,103.3	1,161.8	960.4		
Non-Hispanic Black	211.1	200.3	282.0	669.2		
Hispanic	263.9	32.2	217.9	215.3		
American Indian	1,072.4		303.0	584.6		
Asian	332.2	510.5	295.5	227.4		
Mortality Rate (Per 100,000) by Sex						
Male	1,166.9	1,059.1	1,064.1	934.7		
Female	1,126.2	1,073.4	1,171.3	888.7		

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics.
 Wisconsin Interactive Statistics on Health (WISH) data query system, Mortality Module,
<https://www.dhs.wisconsin.gov/wish/mortality/broad-form.htm>, accessed January 16, 2019.

Manitowoc County - Secondary Data Report

Age Adjusted Mortality Rate (Per 100,000) - Manitowoc County						
	2015	2016	2017	State 2017	Healthy People 2020 goal	
Total Deaths (all causes)	927	862	903	52,679		
Age Adjusted Mortality Rate	767.2	694.9	729.4	723.8		
Age Adjusted Mortality Rate (Per 100,000) by Race/Ethnicity						
Non-Hispanic White	766.6	696.8	731.5	709.0		
Non-Hispanic Black				1,013.2		
Hispanic	839.8		272.5	483.7		
American Indian	1,452.5			821.2		
Asian	892.0	1,231.8	729.3	447.2		
Age Adjusted Mortality Rate (Per 100,000) by Sex						
Male	943.4	826.7	834.5	859.5		
Female	628.6	595.6	647.0	608.4		

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics.
 Wisconsin Interactive Statistics on Health (WISH) data query system, Mortality Module,
<https://www.dhs.wisconsin.gov/wish/mortality/broad-form.htm>, accessed January 16, 2019.

Manitowoc County - Secondary Data Report

Average Age at Death - Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Average Age at Death	76.1	77.2	76.6	75.0	
Average Age at Death by Race/Ethnicity					
Non-Hispanic White	76.2	77.3	76.9	76.1	
Non-Hispanic Black	67.0	71.5	38.0	60.2	
Hispanic	68.5	56.0	36.7	58.1	
American Indian	65.9		77.5	59.9	
Asian	76.4	75.4	63.6	64.4	
Average Age at Death by Sex					
Male	72.6	74.4	73.7	71.7	
Female	79.7	80.0	79.1	78.5	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Mortality Module, <https://www.dhs.wisconsin.gov/wish/mortality/broad-form.htm>, accessed January 16, 2019.

Manitowoc County - Secondary Data Report

Number Injury Related Deaths - Manitowoc County					
	2014	2015	2016	State 2016	Healthy People 2020 goal
Total Deaths (all causes)	927	862	903	51,787	
Number Injury Related Deaths	66	72	50	4,687	
Number Injury Related Death by Race/Ethnicity					
Non-Hispanic White	64	71	48	4,192	
Non-Hispanic Black				400	
Hispanic				137	
American Indian				70	
Asian				25	
Number Injury Related Death by Sex					
Male	36	51	33	2,871	
Female	30	21	17	1,816	

Injury Death Rate Per 100,000 - Manitowoc County					
	2014	2015	2016	State 2016	Healthy People 2020 goal
Injury Related Death Rate	81.5	89.0	61.8	81.2	53.3
Injury Death Rate Per 100,000 by Race/Ethnicity					
Non-Hispanic White	83.0	92.4	62.5	82.0	
Non-Hispanic Black	113.8			96.0	
Hispanic	34.6	33.0		35.4	
American Indian		153.2		94.9	
Asian	42.9		85.1	14.3	
Injury Death Rate Per 100,000 by Sex					
Male	89.3	126.6	81.9	100.0	
Female	73.8	51.7	41.9	62.5	
Injury Death Rate Per 100,000 by Age Group					
Age 15-44	114	92.5	26.1	72.8	
Age 45-64	44.3	89.2	77.7	69.0	
65+	147.0	163.0	152.2	204.7	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Injury-Related Health Outcomes Module, <https://www.dhs.wisconsin.gov/wish/injury-mortality/icd10-form.htm>, accessed January 16, 2019.

Manitowoc County - Secondary Data Report

Number of Suicides - Manitowoc County						
	2015	2016	2017	State 2017	Healthy People 2020 goal	
Total Deaths (all causes)	927	862	903	52,679		
Number of Suicides	24	16	15	915		
Number of Suicides by Race/Ethnicity						
Non-Hispanic White	24	15	15	864		
Non-Hispanic Black				30		
Hispanic				30		
American Indian				12		
Asian				9		
Number of Suicides by Sex						
Male	19	13	12	721		
Female	5			194		

Suicide Rate Per 100,000 - Manitowoc County						
	2015	2016	2017	State 2017	Healthy People 2020 goal	
Suicide Rate	29.7	19.8	18.6	15.8	10.2	
Suicide Rate per 100,000 by Race/Ethnicity						
Non-Hispanic White	31.2	19.5	19.6	16.9		
Non-Hispanic Black				7.1		
Hispanic			62.3	7.5		
American Indian				16.1		
Asian		42.5		5.0		
Suicide Rate per 100,000 by Sex						
Male	47.2	32.2	29.8	25.1		
Female	12.3	7.4	7.4	6.7		

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Mortality Module, <https://www.dhs.wisconsin.gov/wish/mortality/broad-form.htm>, accessed January 16, 2019.

Manitowoc County - Secondary Data Report

Number Injury Hospitalizations - Manitowoc County					
	2015	2016	2017	State 2017	HP 2020 goal
Number of Injury Hospitalizations	418	426	420	29,649	
Number Injury Hospitalizations by Race/Ethnicity					
Non-Hispanic White	398	411	405	25,511	
Non-Hispanic Black		8	6	2,446	
Hispanic		6	5	1,016	
American Indian				309	
Asian				266	
Unknown	8		7	1,117	
Number Injury Hospitalizations by Sex					
Male	186	193	178	14,321	
Female	232	233	242	15,328	

Rate of Injury Hospitalizations - Manitowoc Co.					
	2015	2016	2017	State 2017	HP 2020 goal
Total Injury Hospitalizations	418	426	420	29,649	
Rate of Injury Hospitalizations		526.9	519.9	513.1	555.8
Average Patient Age		60.1	60.5	59.4	
Length of Hospital Stay (days)		4.6	4.2	5.1	
Total Hospital Charges		\$20,031,400	\$18,163,094	\$1,482,866,778	
Average Hospital Charges		\$47,022	\$43,245	\$50,014	
Rate of Injury Hospitalizations by Race/Ethnicity					
Non-Hispanic White		534.7	528.1	499.9	
Non-Hispanic Black		801.1	564.0	580.5	
Hispanic		193.2	155.7	255.2	
American Indian		157.5		413.4	
Asian		127.6	84.4	148.2	
Rate of Injury Hospitalizations by Sex					
Male		478.7	441.5	498.2	
Female		574.9	598.0	527.8	

Notes: rates are crude rates. Number of injury/population*100,000, *Rate may appear unstable over time due to small numerator (i.e., <50)

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Injury-Related Health Outcomes Module, <https://www.dhs.wisconsin.gov/wish/injury-hosp/form.htm>, accessed May 14, 2019.

Manitowoc County - Secondary Data Report

Number of Opioid-Related Hospital Encounters- Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Total Opioid Hospital Discharges	542	506	400	26,546	
Age-Adjusted Rate of Opioid Hospital Discharges	641.3	606.8	490.4	475.4	
Number Opioid-Related Hospital Discharges by Race/Ethnicity					
Non-Hispanic White	516	483	388	21,957	
Non-Hispanic Black	5	12	5	2,749	
Hispanic	18		7	1,878	
American Indian				750	
Asian	9	6		144	
Number Opioid-Related Hospital Discharges by Sex					
Male	221	247	200	13,741	
Female	321	259	200	12,805	
Number Opioid-Related Hospital Discharges by Age Group					
Age 15-44	230	231	202	17,086	
Age 45-64	191	168	105	6,666	
Age 65+	119	104	92	2,617	

Rate of Opioid-Related Hospital Encounters per 100,000 Population - Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Rate of Opioid-related hospital discharges	670.3	625.9	495.1	459.4	
Rate of Opioid-Related Hospital Discharges Per 100,000 by Race/Ethnicity					
Non-Hispanic White	671.4	628.4	505.9	430.3	
Non-Hispanic Black	527.6	1201.7	470.0	652.4	
Hispanic	593.8	64.4	303.0	471.7	
American Indian	459.6		217.9	1003.4	
Asian	373.7	255.2		80.3	
Rate of Opioid-Related Hospital Discharges Per 100,000 by Sex					
Male	548.7	612.7	496.1	478.0	
Female	791.0	639.1	494.2	440.9	
Rate of Opioid-Related Hospital Discharges Per 100,000 by Age Group					
Age 15-44	851.4	860.0	754.5	776.2	
Age 45-64	774.2	686.9	434.7	424.3	
Age 65+	775.8	659.4	568.7	274.9	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Opioid Module, <http://dhs.wisconsin.gov/wish/>, accessed January 16, 2019.

Manitowoc County - Secondary Data Report

Age-Adjusted Rate of Opioid-Related Hospital Encounters per 100,000 Population - Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Total Opioid Hospital Discharges	542	506	400	26,546	
Age-Adjusted Rate of Opioid Hospital Discharges	641.3	606.8	490.4	475.4	
Age-Adjusted Rate of Opioid-Related Hospital Discharges Per 100,000 by Race/Ethnicity					
Non-Hispanic White	641.7	613.4	506.2	451.4	
Non-Hispanic Black	934.7	2493.9	631.9	726.2	
Hispanic	926.2	93.0	228.6	520.3	
American Indian	488.4		253.2	1023.1	
Asian	544.1	537.4		89.5	
Age-Adjusted Rate of Opioid-Related Hospital Discharges Per 100,000 by Sex					
Male	542.5	590.0	493.5	493.0	
Female	737.5	622.3	481.5	456.1	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, <http://dhs.wisconsin.gov/wish/>, Opioid-Related Hospital Encounters Module, accessed January 17, 2019.

Manitowoc County - Secondary Data Report

Number of Opioid Deaths- Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Number of Opioid Deaths	18	10	11	1,171	
Average Age at Death	43.2	44.5	37.6	41.5	
Number Opioid Deaths by Race/Ethnicity					
Non-Hispanic White	18	10	11	988	
Non-Hispanic Black				139	
Hispanic				63	
American Indian				33	
Asian				7	
Number Opioid Deaths by Sex					
Male	12	6	7	740	
Female	6			431	
Number Opioid Deaths by Age Group					
Age 15-44			8	691	
Age 45-64				425	
Age 65+				52	

Opioid Mortality Rate per 100,000 Population - Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Mortality Rate	22.3	12.4	13.6	20.3	
Opioid Mortality Rate per 100,000 by Race/Ethnicity					
Non-Hispanic White	23.4	13.0	14.3	19.4	
Non-Hispanic Black				33.0	
Hispanic	33.0			15.8	
American Indian				44.1	
Asian				3.9	
Opioid Mortality Rate Per 100,000 by Sex					
Male	29.8	14.9	17.4	25.7	
Female	14.8	9.9	9.9	14.8	
Opioid Mortality Rate Per 100,000 by Age Group					
Age 15-44	33.3	14.9	29.9	31.4	
Age 45-64	32.4	24.5	12.4	27.1	
Age 65+	6.5			5.5	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Opioid Module, <https://www.dhs.wisconsin.gov/wish/opioid/mortality.htm>, accessed January 17, 2019.

Manitowoc County - Secondary Data Report

Age-Adjusted Opioid Mortality Rate per 100,000 Population - Manitowoc County					
	2015	2016	2017	State 2017	Healthy People 2020 goal
Number of Opioid Deaths	18	10	11	1,171	
Age-Adjusted Opioid Mortality Rate	24.8	12.0	15.4	21.1	
Age-Adjusted Opioid Mortality Rate Per 100,000 by Race/Ethnicity					
Non-Hispanic White	26.1	12.6	16.5	20.4	
Non-Hispanic Black				37.4	
Hispanic	55.2			16.6	
American Indian				47.4	
Asian				3.2	
Age-Adjusted Opioid Mortality Rate Per 100,000 by Sex					
Male	33.8	13.1	20.3	26.7	
Female	15.2	10.7	10.2	15.4	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Opioid Module, <http://dhs.wisconsin.gov/wish/>, Drug Overdose Deaths Module, accessed January 17, 2019.

Manitowoc County - Secondary Data Report

Number ED Visits for Injuries - Manitowoc County						
	2015	2016	2017	State 2017	HP 2020 goal	
Total Number of ED Visits for Injury	5,361	5,753	5,544	419,092		
Average Age of ED Injury Patient	37.3	37.4	38.1	37.4		
Total Hospital Charges for All Injury Patients	\$8,887,559	\$10,299,530	\$11,152,982	\$869,388,736		
Average Hospital Charges Per Injury Patient	\$1,658	\$1,790	\$2,012	\$2,074		
Number ED Visits for Injuries by Sex						
Male	2,851	3,118	2,958	216,977		
Female	2,510	2,635	2,586	202,115		

Rate of ED Visits for Injury Per 100,000 Pop. - Manitowoc County					
	2015	2016	2017	State 2017	HP 2020 goal
Total Number of ED Visits for Injury	5,361	5,753	5,544	419,092	7533.4
Rate of ED Visits for Injury	6,630.1	7,116.3	6,862.7	7,252.2	
Rate of ED Visits for Injury Per 100,000 Pop. By Sex					
Male	7,078.1	7,733.9	7,336.9	7,548.4	
Female	6,185.3	6501..8	6,390.2	6,959.0	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Injury-Related Emergency Department Visits Module, <http://dhs.wisconsin.gov/wish/>, accessed January 17, 2019 and May 14, 2019.

Manitowoc County - Secondary Data Report

Ranked Causes of Emergency Department Visits for Injury - Manitowoc County		
		2017
Total ED Visits for Injury by Cause		
Falls		1,752
Unspecified cause of injury		814
Struck by or against object or person		728
Cutting or piercing objects		558
Motor vehicle traffic crash - Occupant		308
Natural or environmental factors		281
Overexertion		244
Other specified classifiable cause of injury		208
Missing		168
Poisoning		99
Machinery		74
Nontraffic pedal cyclist		71
Fire, heat, chemical burns		60
Nontraffic transportation		55
Motor vehicle traffic crash - Other, unspecified		31
Motor vehicle traffic crash - Motorcyclist		19
Firearms		19
Suffocation		18
MVT - Self-inflicted/Assault/Undetermined		15
Motor vehicle traffic crash - Pedestrian		12
Nontraffic pedestrian		5
Motor vehicle traffic crash - Pedal cyclist		
Other specified cause of injury, not elsewhere classifiable		

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, <http://dhs.wisconsin.gov/wish/>, Injury-Related Emergency Department Visits Module, accessed January 14, 2019.

Manitowoc County - Secondary Data Report

Ranked Causes of Emergency Department Visits for Injury - Manitowoc County		2017
Rate of ED Visits for Injury by Cause Per 100,000*		
Falls		2,167.0
Unspecified cause of injury		1,007.0
Struck by or against object or person		901.0
Cutting or piercing objects		690.0
Motor vehicle traffic crash- Occupant		381.0
Natrual or environmental factors		348.0
Overexertion		302.0
Other specified classifiable cause of injury		257.0
Missing		208.0
Poisoning		122.0
Machinery		92.0
Nontraffic pedal cyclist		88.0
Fire, heat, chemical burns		74.0
Nontraffic transportation		68.0
Motor vehicle traffic crash- Other, unspecified		38.0
Motor vehicle traffic crash- Motorcyclist		24.0
Firearms		24.0
MVT- Self-inflicted/Assault/Undetermined		19.0
Motor vehicle traffic crash- Pedestrian		15.0
Nontraffic pedestrian		6.0
Motor vehicle traffic crash- Pedal cyclist		
Other specified cause of injury, not elsewhere classifiable		

*2017 rates use 2016 population estimates for the calculation.

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics.
 Wisconsin Interactive Statistics on Health (WISH) data query system,
<http://dhs.wisconsin.gov/wish/>, Injury-Related Emergency Department Visits Module, accessed
 January 14, 2019.

Manitowoc County - Secondary Data Report

Rape Offenses - Manitowoc County			
	2017	State 2017	
Rate of Rape Offenses per 100,000 Population	55.3	91.8	

Wisconsin Department of Justice (2017). Wisconsin Uniform Crime Reporting Data Dashboard Center, Offense Data. Data accessed with assistance from staff from <https://www.doj.state.wi.us/dles/bjia/ucr-sex-offense-data> on February 25, 2019.

Manitowoc County - Secondary Data Report

Child Abuse - Manitowoc County			
	2017	State 2017	
Child Protective Service (CPS) Reports per 1,000 Children	40.9	33.1	

Data accessed from <https://dcf.wisconsin.gov/files/cwportal/reports/pdf/can.pdf> on January 17, 2019.

Manitowoc County - Secondary Data Report

Sexually Transmitted Disease Incidence Rate per 100,000 - Manitowoc County					
	2015	2016	2017	State 2017	HP 2020 goal
STD Incidence Rate per 100,000	279.0	309.0	314.0	630.0	
STI Incidence Rate per 100,000 by Race/Ethnicity					
Non-Hispanic White	215.0	239.0	238.0	277.0	
Non-Hispanic Black	4,075.0	3,605.0	4,702.0	3,143.0	
Hispanic	335.0	910.0	623.0	846.0	
American Indian		897.0	224.0	728.0	
Asian/Pacific Islander	218.0	327.0	163.0	394.0	
STI Incidence Rate per 100,000 by Sex					
Male	171.0	194.0	184.0	470.0	
Female	384.0	424.0	443.0	788.0	

Note: Information for STD Incidence includes data on chlamydia, gonorrhea, and syphilis, not all existing STDs.

Data accessed from <https://www.dhs.wisconsin.gov/publications/p00415-2017.pdf>,

<https://www.dhs.wisconsin.gov/publications/p00415b-2017-manitowoc.pdf>

<https://www.dhs.wisconsin.gov/publications/p00415b-2016-manitowoc.pdf>, and

<https://www.dhs.wisconsin.gov/publications/p00415b-2015-manitowoc.pdf> on January 17, 2019 and May 14, 2019.

Manitowoc County - Secondary Data Report

HIV Incidence per 100,000 - Manitowoc County				
	2011-2015	2016	State 2016	HP 2020 goal
HIV Incidence Rate	3.1	0.0	3.8	
HIV Incidence per 100,000 by Race/Ethnicity				
Non-Hispanic White			1.6	
Non-Hispanic Black			29.9	
Hispanic			6.0	
American Indian			2.0	
Asian/Pacific Islander			2.5	
Multi-racial			7.7	
HIV Incidence per 100,000 by Sex at Birth				
Male	2.5		6.6	
Female	5.0		1.1	

Data from <http://www.dhs.wisconsin.gov/aids-hiv/stats/map.htm>, <https://www.dhs.wisconsin.gov/publications/p0/p00766.pdf>, and <https://www.dhs.wisconsin.gov/publications/p0/p00766-manitowoc.pdf> accessed on March 5, 2018.

Manitowoc County - Secondary Data Report

Cancer Incidence Age-Adjusted Rate per 100,000 - Manitowoc County				
	2012-2016	State 2016	HP 2020 goal	
Cancer Incidence Rate	465.8	458.6		
Cancer Incidence Age-Adjusted Rate per 100,000 by Race/Ethnicity				
White		452.7		
African American		536.9		
Hispanic		310.5		
American Indian/Alaska Native		481.2		
Asian/Pacific Islander		281.0		
Cancer Incidence Age-Adjusted Rate per 100,000 by Sex				
Male	513.7	496.7		
Female	432.3	432.6		

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics.
 Wisconsin Interactive Statistics on Health (WISH) data query system,
<http://dhs.wisconsin.gov/wish/>. Cancer Module, accessed May 14, 2019.

Manitowoc County - Secondary Data Report

Cancer Incidence Age-Adjusted Rate per 100,000 - Manitowoc County					
		2012-2016		State 2016	
		Male	Female	Male	Female
Cancer Incidence Age-Adjusted Rate per 100,000					
	Female Breast		128.4		130.3
	Cervical (Cervix Uteri)		5.9		6.9
	Colorectal	39.9	30.6	41.9	31.7
	Lung and Bronchus	67.0	49.2	65.0	53.1
	Prostate Cancer	96.1		109.4	
Cancer Mortality Age-Adjusted Rate per 100,000					
		2011-2015		State 2015	
		Male	Female	Male	Female
	Female Breast		22.6		18.6
	Cervical (Cervix Uteri)				2.1
	Colorectal	11.5	11.7	15.6	10.1
	Lung and Bronchus	43.9	31.5	48.8	33.3
	Prostate Cancer	29.3		20.7	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system, Cancer Module, <http://dhs.wisconsin.gov/wish/>, accessed May 14, 2019.

Manitowoc County - Secondary Data Report

Cerebrovascular Disease - Manitowoc County			
	2015	State 2015	
Total Number of Deaths due to Cerebrovascular Disease	62	2,616	
Cerebrovascular Disease Death Rate per 100,000 Residents			
Cerebrovascular Disease Death Rate per 100,000 Residents	76.7	45.4	

Data reported in 2017 using CY 2015 data, accessed from
<https://www.dhs.wisconsin.gov/publications/p4/p45358-2017-manitowoc.pdf> and
<http://www.dhs.wisconsin.gov/localdata/counties/wisconsin.htm> on January 17, 2019.

Manitowoc County - Secondary Data Report

Behavioral Risk Factor Survey - Manitowoc County			
	2012	State 2016	Healthy People 2020 goal
Age-adjusted percent of adults reporting they are heavy drinkers	5.0%	9.2%	
Age-adjusted percent of adults reporting they have ever been tested for HIV	21.6%	30.9%	

Wisconsin Dept. of Health Services, Division of Public Health, Office of Health Informatics.
 Wisconsin Interactive Statistics on Health (WISH) data query system,
<http://dhs.wisconsin.gov/wish/>, Behavioral Risk Factor Survey Module, accessed February 25, 2019.

Manitowoc (MA)
2019 Rankings

County Demographics

	County	State
Population	79,175	5,795,483
% below 18 years of age	20.7%	22.1%
% 65 and older	20.0%	16.5%
% Non-Hispanic African American	0.9%	6.3%
% American Indian and Alaskan Native	0.7%	1.2%
% Asian	2.8%	2.9%
% Native Hawaiian/Other Pacific Islander	0.0%	0.1%
% Hispanic	4.0%	6.9%
% Non-Hispanic white	90.7%	81.3%
% not proficient in English	1%	1%
% Females	50.1%	50.3%
% Rural	38.9%	29.8%
Male population 0-17 *	8,420	656,000
Male population 18-44 *	12,418	1,004,204
Male population 45-64 *	12,192	781,937
Male population 65+ *	7,287	432,330
Total male population *	40,317	2,874,471
Female population 0-17 *	8,107	626,656
Female population 18-44 *	11,505	969,103
Female population 45-64 *	11,965	789,101
Female population 65+ *	8,891	519,498
Total female population *	40,468	2,904,358
Population growth *	-1%	2%

	Manitowoc County	Error Margin	Top U.S. Performers ^	Wisconsin	Rank (of 72)
Health Outcomes					43
Length of Life					41
Premature death	6,600	5,900-7,300	5,400	6,300	
Quality of Life					45
Poor or fair health **	13%	12-13%	12%	15%	
Poor physical health days **	3.3	3.1-3.5	3.0	3.6	
Poor mental health days **	3.5	3.3-3.7	3.1	3.8	
Low birthweight	7%	6-7%	6%	7%	
Additional Health Outcomes (not included in overall ranking)					
Life expectancy	79.0	78.4-79.6	81.0	79.5	
Premature age-adjusted mortality	320	300-340	280	310	
Child mortality	50	30-60	40	50	
Infant mortality	6	5-9	4	6	
Frequent physical distress	10%	9-10%	9%	11%	
Frequent mental distress	11%	10-11%	10%	12%	
Diabetes prevalence	11%	8-13%	9%	9%	
HIV prevalence	54		49	122	
Communicable disease *	647			1,033	
Self-inflicted injury hospitalizations *	56	44-67		49	
Cancer incidence *	452	433-471		468	
Coronary heart disease hospitalizations *	3.4			2.8	
Cerebrovascular disease hospitalizations *	3.1			2.5	
Health Factors					27
Health Behaviors					29
Adult smoking **	15%	14-16%	14%	17%	
Adult obesity	31%	26-36%	26%	31%	
Food environment index	8.5		8.7	8.8	
Physical inactivity	20%	16-24%	19%	20%	
Access to exercise opportunities	76%		91%	86%	
Excessive drinking **	25%	24-26%	13%	26%	
Alcohol-impaired driving deaths	53	45-60%	13%	36%	
Sexually transmitted infections	255.6		152.8	466.0	
Teen births	20	18-22	14	18	
Additional Health Behaviors (not included in overall ranking)					
Food insecurity	10%		9%	11%	
Limited access to healthy foods	5%		2%	5%	
Drug overdose deaths	16	12-22	10	18	
Motor vehicle crash deaths	11	8-14	9	10	
Insufficient sleep	31%	29-32%	27%	32%	
Smoking during pregnancy *	16%			12%	
Drug arrests *	427			29,106	
Opioid hospital visits *	626	572-680		469	
Alcohol-related hospitalizations *	1.8			2.1	
Motor vehicle crash occupancy rate *	54			53	
On-road motor vehicle crash-related ER visits *	500	465-534		696	
Off-road motor vehicle crash-related ER visits *	71	58-84		78	
Clinical Care					24
Uninsured	6%	5-6%	6%	6%	

	Manitowoc County	Error Margin	Top U.S. Performers ^	Wisconsin	Rank (of 72)
Primary care physicians	2,040:1		1,050:1	1,250:1	
Dentists	1,840:1		1,260:1	1,470:1	
Mental health providers	1,120:1		310:1	530:1	
Preventable hospital stays	3,244		2,765	3,971	
Mammography screening	52%		49%	50%	
Flu vaccinations	50%		52%	52%	
Additional Clinical Care (not included in overall ranking)					
Uninsured adults	6%	5-7%	6%	7%	
Uninsured children	4%	3-5%	3%	4%	
Other primary care providers	1,277:1		726:1	964:1	
Childhood immunizations *	81%			73%	
Social & Economic Factors					41
High school graduation	91%		96%	89%	
Some college	63%	59-66%	73%	69%	
Unemployment	3.6%		2.9%	3.3%	
Children in poverty	13%	10-16%	11%	15%	
Income inequality	3.9	3.7-4.1	3.7	4.3	
Children in single-parent households	25%	21-29%	20%	31%	
Social associations	11.1		21.9	11.6	
Violent crime	188		63	298	
Injury deaths	78	70-87	57	77	
Additional Social & Economic Factors (not included in overall ranking)					
Disconnected youth	5%	3-8%	4%	5%	
Median household income	\$55,700	\$52,000-59,500	\$67,100	\$59,300	
Children eligible for free or reduced price lunch	32%		32%	37%	
Residential segregation - black/white	70		23	77	
Residential segregation - non-white/white	41		15	56	
Homicides			2	3	
Firearm fatalities	12	9-16	7	10	
Reading proficiency *	48%			48%	
W-2 enrollment *	43			8,331	
Poverty *	9%	7-11%		11%	
Older adults living alone *	31%			29%	
Hate crimes *	1			1	
Child abuse *	4			4	
Injury hospitalizations *	429	384-474		457	
Fall fatalities 65+ *	111	80-141		136	
Physical Environment					32
Air pollution - particulate matter **	9.5		6.1	8.6	
Drinking water violations	No				
Severe housing problems	11%	10-12%	9%	15%	
Driving alone to work	84%	83-86%	72%	81%	
Long commute - driving alone	20%	19-21%	15%	27%	
Additional Physical Environment (not included in overall ranking)					
Homeownership	75%	74-77%	61%	67%	
Severe housing cost burden	9%	8-10%	7%	13%	
Year structure built *	37%			25%	

^ 10th/90th percentile, i.e., only 10% are better.

* Data supplied on behalf of the state

** Data should not be compared with prior years

Note: Blank values reflect unreliable or missing data