

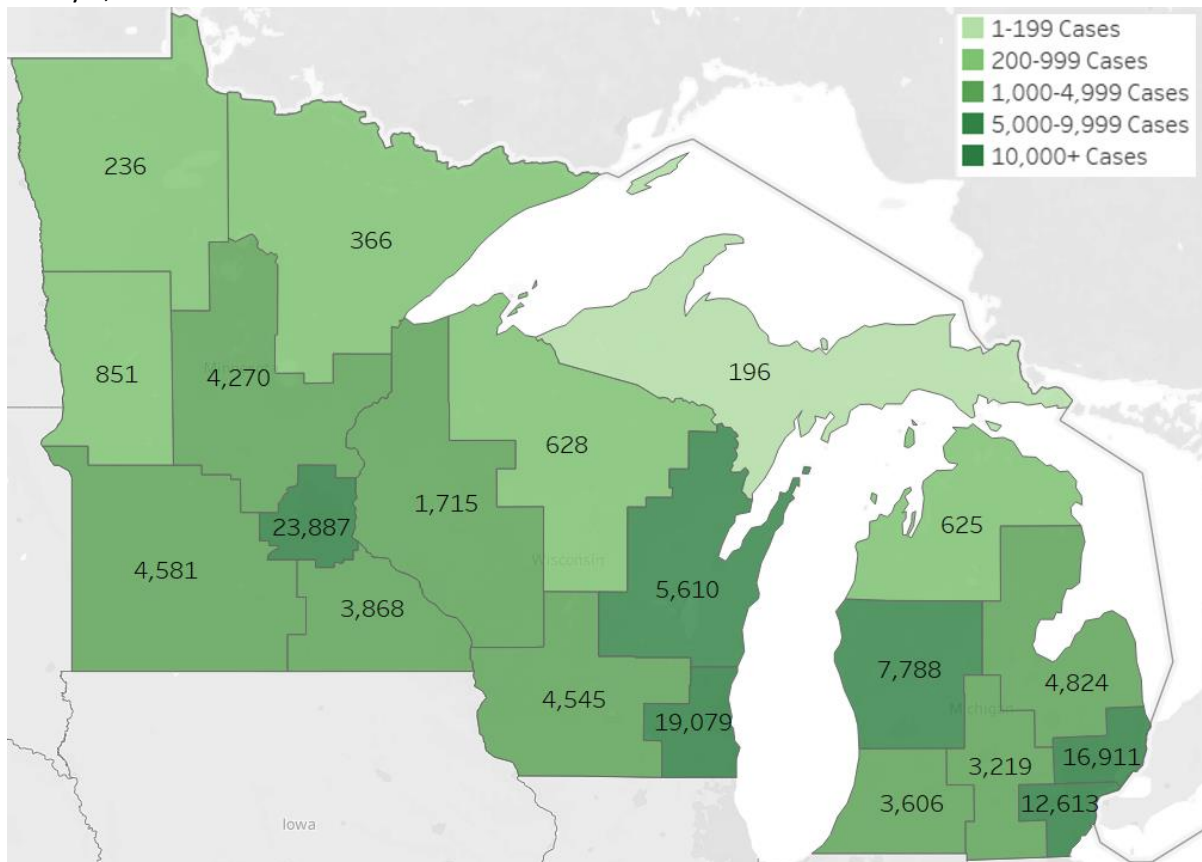
COVID-19 in the Bemidji IHS Area

Updated July 6, 2020

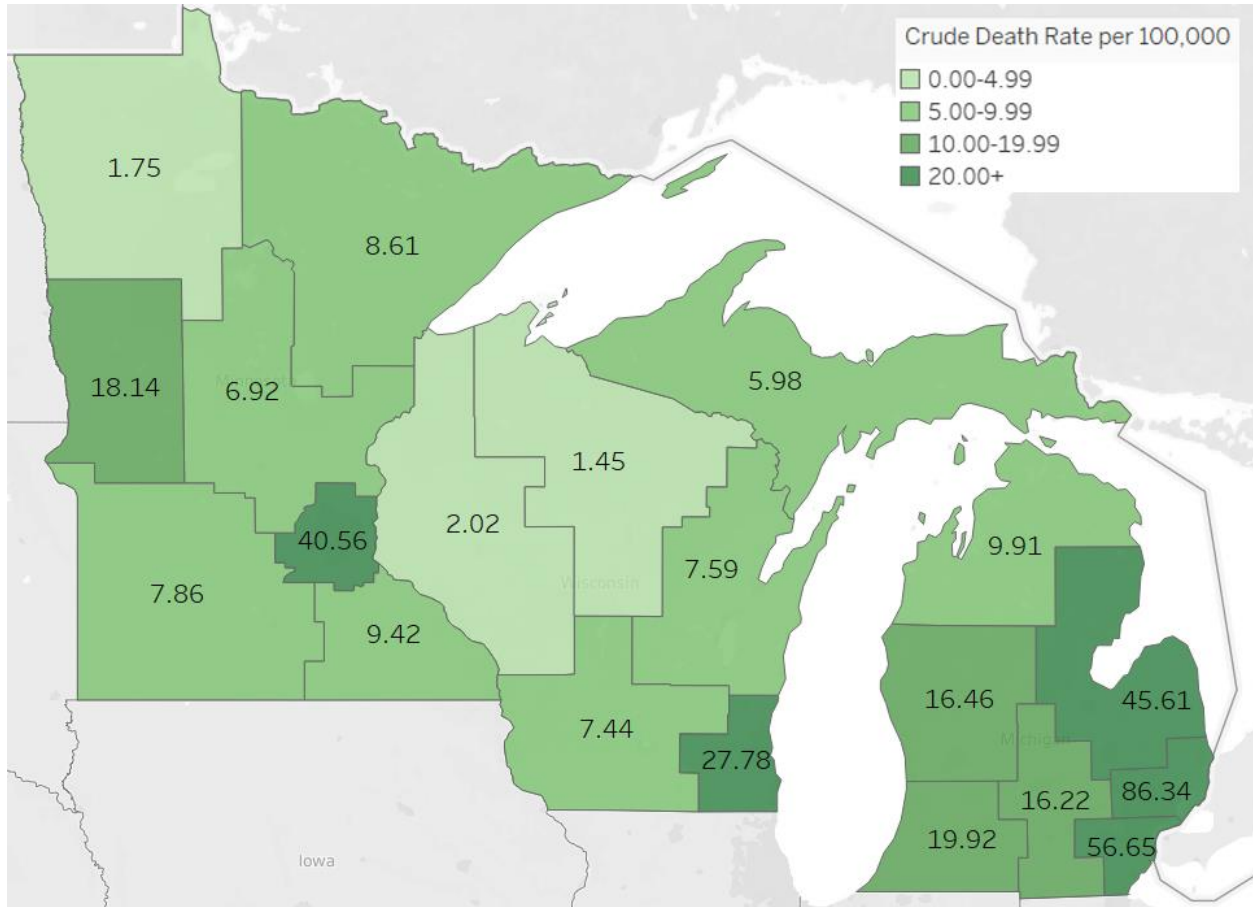
COVID-19 cases and deaths, by region

The greatest number of cases in the three-state area is in Michigan with 49,782 cases. This is followed by Minnesota with 38,059 cases and Wisconsin with 31,577 cases. The majority of the cases are located in southeast Michigan, near the Detroit metropolitan area (over 29,000 cases are in this area). Additionally, the mortality rates in the Detroit metropolitan area are the highest of the three-state area. Region Seven of Michigan saw the greatest increase in new cases this week compared to the number of new cases last week. However, a few regions saw a small decrease in the number of new cases. Region Seven in Minnesota saw the largest decrease in the number of new cases this week compared with last week (Map 3).

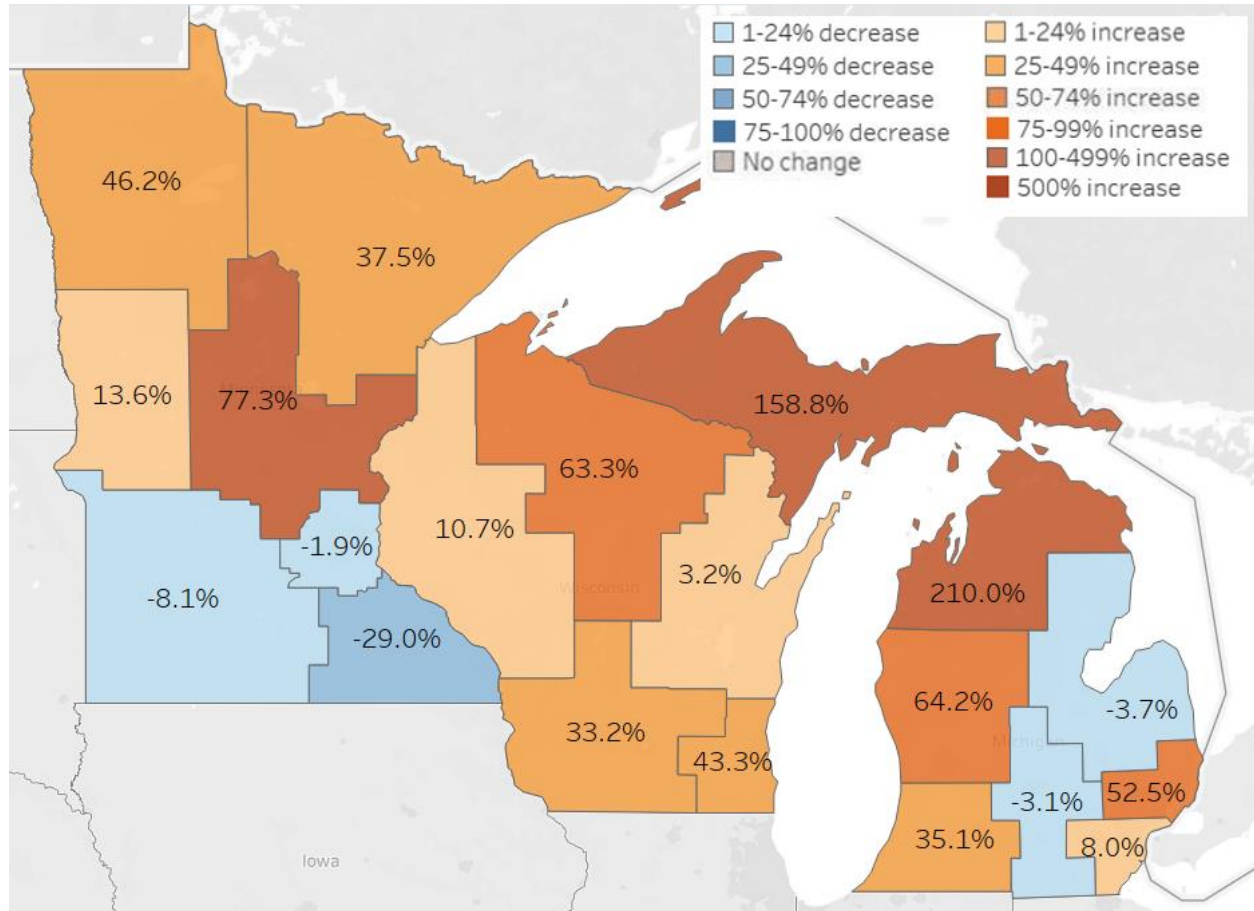
Map 1. Cumulative COVID-19 cases in Michigan, Minnesota, and Wisconsin, by public health region, as of July 6, 2020



Map 2. Cumulative crude COVID-19 death rates (per 100,000) in Michigan, Minnesota, and Wisconsin, by public health region, as of July 6, 2020



Map 3. Percent change in new COVID-19 cases over the last week, June 29 to July 6, 2020, in Michigan, Minnesota, and Wisconsin, by public health region, as of July 6, 2020



NOTE: A positive (orange-colored) percentage indicates there were more new cases this week than last week; a negative (blue-colored) percentage indicates there were fewer new cases this week than last week.

Table 1. Cumulative COVID-19 cases and deaths in Michigan, Minnesota, and Wisconsin, as of July 6, 2020

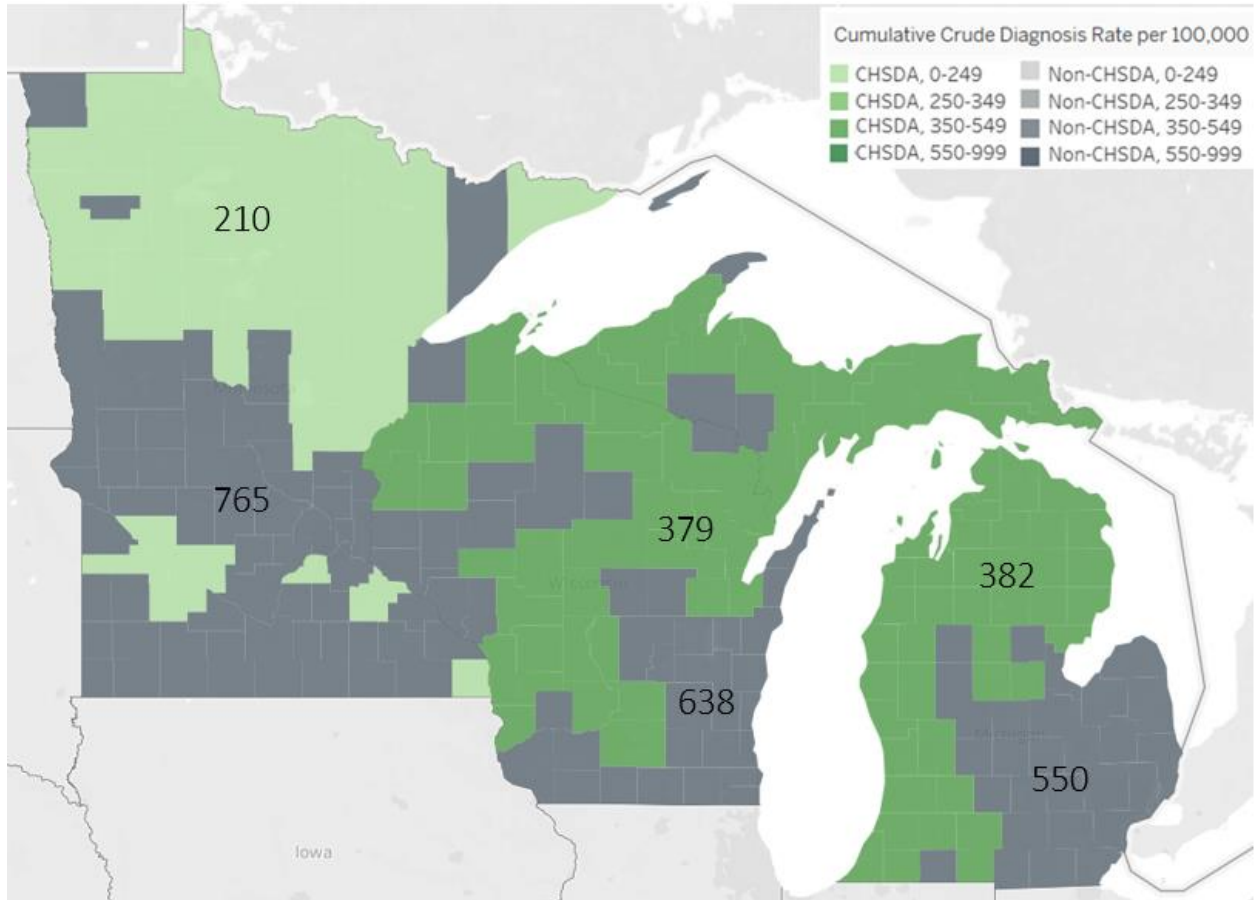
	Diagnosed cases (number)	Deaths (number)	Crude death rate (per 100,000)
Michigan	49,782	4,454	44.56
Minnesota	38,059	1,471	26.22
Wisconsin	31,577	796	13.69
Three-state area total	119,418	6,721	31.38



COVID-19 diagnosis rates, by proximity to reservations

COVID-19 diagnosis rates are higher on or near reservations in both Michigan and Wisconsin (382 and 379 cases per 100,000 people, respectively) than on or near reservations in Minnesota (210 per 100,000). Counties that are not on or near reservations in Minnesota have the highest rate within the region (765 per 100,000).

Map 4. Cumulative COVID-19 crude diagnosis rates (per 100,000) in Michigan, Minnesota, and Wisconsin, by proximity to reservations (CHSDAs),¹ as of July 6, 2020



¹CHSDAs are Contract Health Service Delivery Areas: counties that include or touch a reservation boundary



Table 2. Cumulative COVID-19 crude diagnosis rates (per 100,000) and number of cases in Michigan, Minnesota, and Wisconsin, by proximity to reservations (CHSDAs),¹ as of July 6, 2020

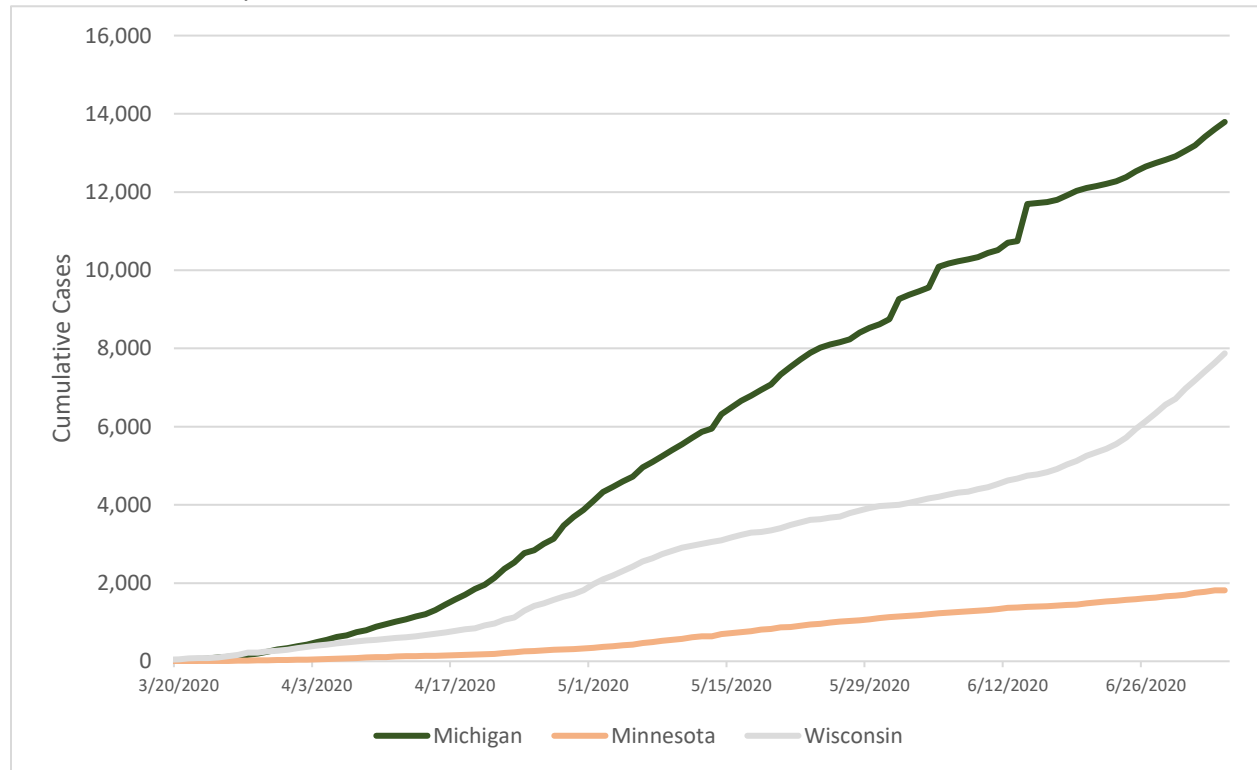
	Crude diagnosis rate (per 100,000)	Diagnosed cases (number)
Michigan	498	49,782
On or near reservations (CHSDAs)	382	11,873
Not on or near reservations (non-CHSDA)	550	37,909
Minnesota	678	38,059
On or near reservations (CHSDAs)	210	1,845
Not on or near reservations (non-CHSDA)	765	36,214
Wisconsin	543	31,577
On or near reservations (CHSDAs)	379	8,043
Not on or near reservations (non-CHSDA)	638	23,534
Three-state area total	557	119,418

¹CHSDAs are Contract Health Service Delivery Areas: counties that include or touch a reservation boundary

COVID-19 cases and deaths over time on or near reservations (CHSDAs)

Cumulative COVID-19 cases and deaths have increased much faster over time on or near reservations in Michigan which is reflected in higher cumulative case and death counts (Figure 1 and Figure 2). This is followed by Wisconsin, then Minnesota for cumulative case and death counts.

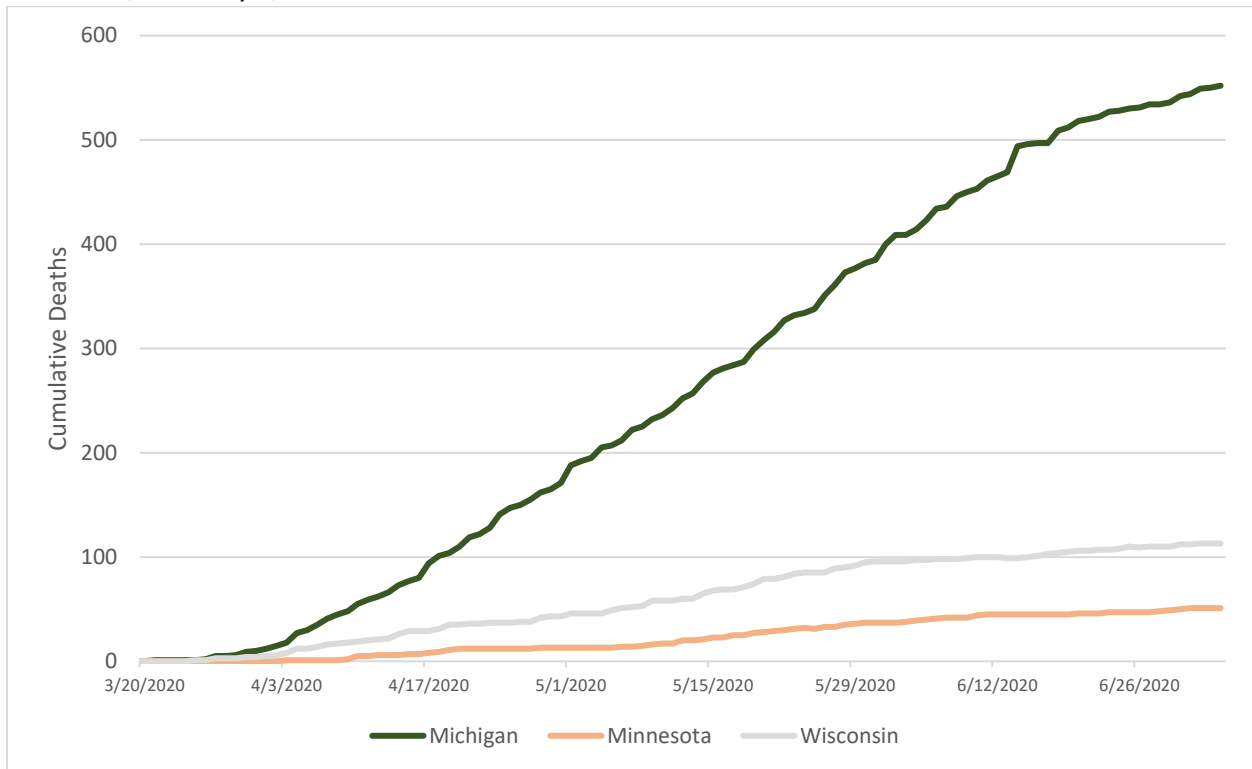
Figure 1. Cumulative COVID-19 cases (by week) on or near reservations in Michigan, Minnesota, and Wisconsin, as of July 6, 2020



¹CHSDAs are Contract Health Service Delivery Areas: counties that include or touch a reservation boundary



Figure 2. Cumulative COVID-19 deaths (by week) on or near reservations in Michigan, Minnesota, and Wisconsin, as of July 6, 2020



¹CHSDAs are Contract Health Service Delivery Areas: counties that include or touch a reservation boundary

Data Sources: 1) Michigan data from: <https://www.michigan.gov/coronavirus/0,9753,7-406-98163-520743--,00.html> retrieved on July 6, 2020 2) Minnesota data from: <https://www.health.state.mn.us/diseases/coronavirus/situation.html> retrieved on July 6, 2020 3) Wisconsin data from: <https://www.dhs.wisconsin.gov/covid-19/county.htm> retrieved on July 6, 2020 4) Weekly data (Figures 1 and 2) from: <https://github.com/nytimes/covid-19-data> retrieved on July 6, 2020 5) Population denominators (2018) retrieved from CDC WONDER Bridged Race Population Estimates database: <https://wonder.cdc.gov/>

