

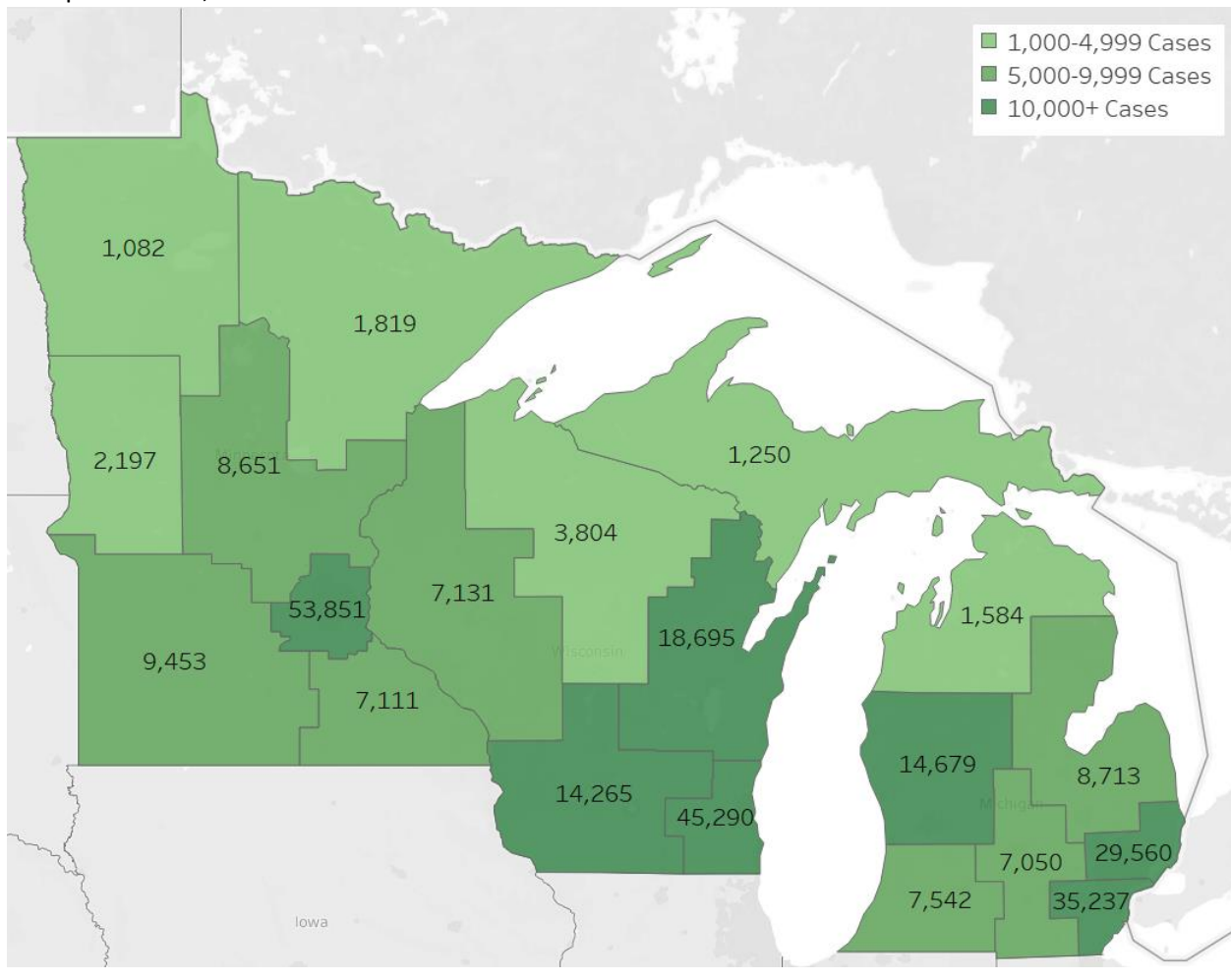
# COVID-19 in the Bemidji IHS Area

Updated September 14, 2020

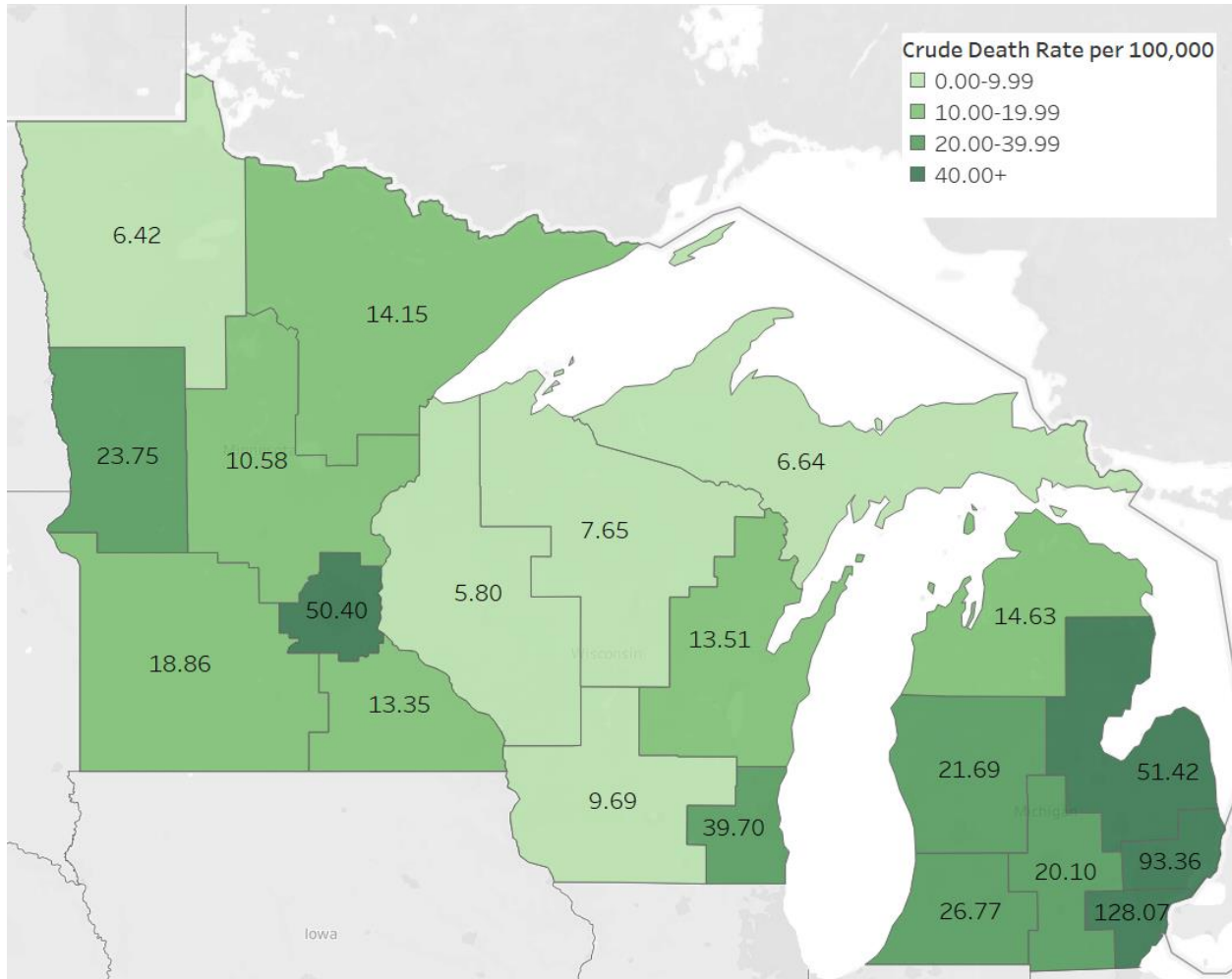
## COVID-19 cases and deaths, by region

The greatest number of cases in the three-state area is in Michigan with 105,615 cases. This is followed by Wisconsin with 89,185 cases and Minnesota with 84,164 cases. The regions containing large cities such as Detroit, MI (64,797 cases), Minneapolis/St. Paul, MN (53,851 cases), and Milwaukee, WI (45,290 cases) have the largest number of cases. Additionally, the mortality rates in the Detroit metropolitan area are the highest of the three-state area. Region Eight of Michigan saw the greatest increase in new cases this week compared to the number of new cases last week. However, many regions saw a decrease in the number of new cases (Map 3).

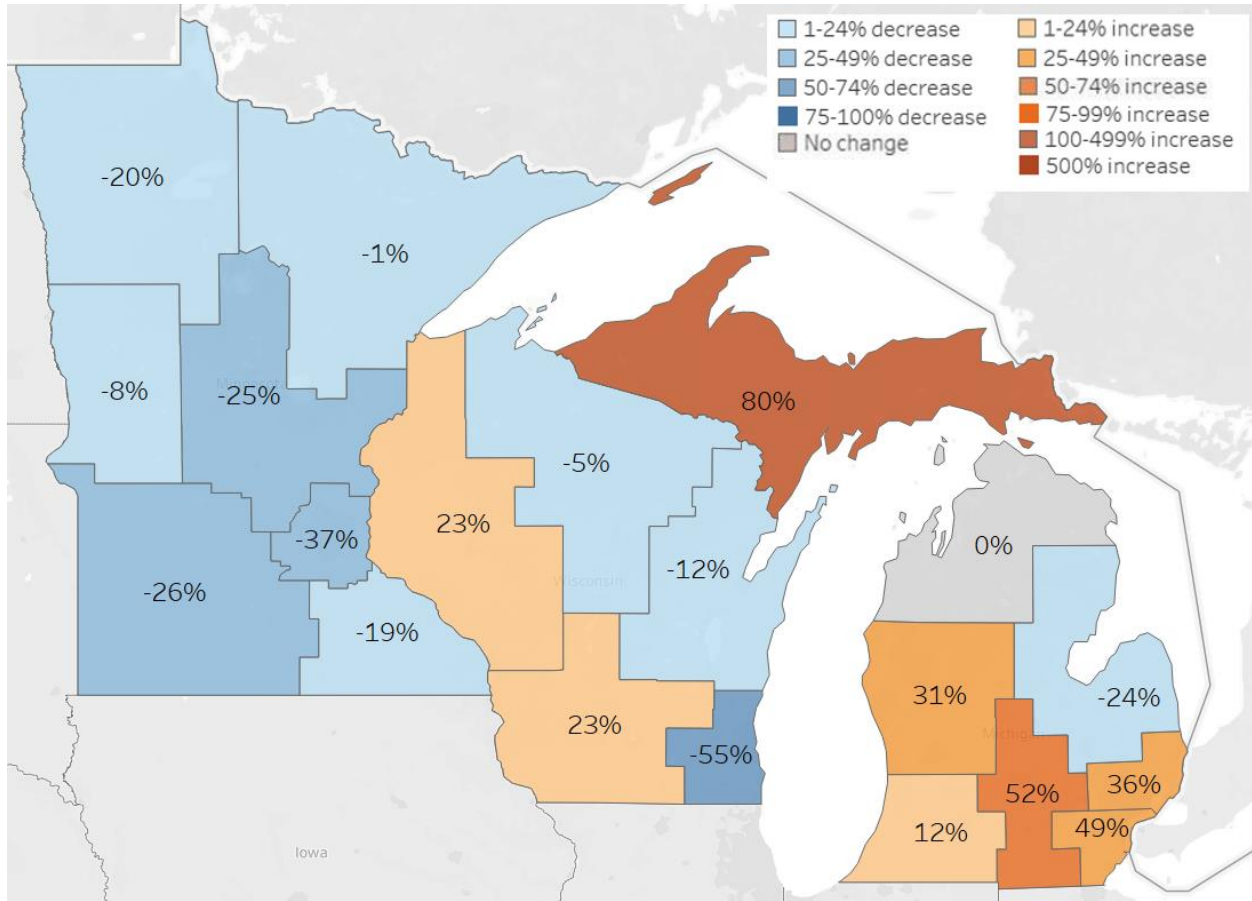
Map 1. Cumulative COVID-19 cases in Michigan, Minnesota, and Wisconsin, by public health region, as of September 14, 2020



Map 2. Cumulative crude COVID-19 death rates (per 100,000) in Michigan, Minnesota, and Wisconsin, by public health region, as of September 14, 2020



Map 3. Percent change in new COVID-19 cases over the last week, September 6 to September 13, 2020, in Michigan, Minnesota, and Wisconsin, by public health region, as of September 14, 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 September 14, 2020

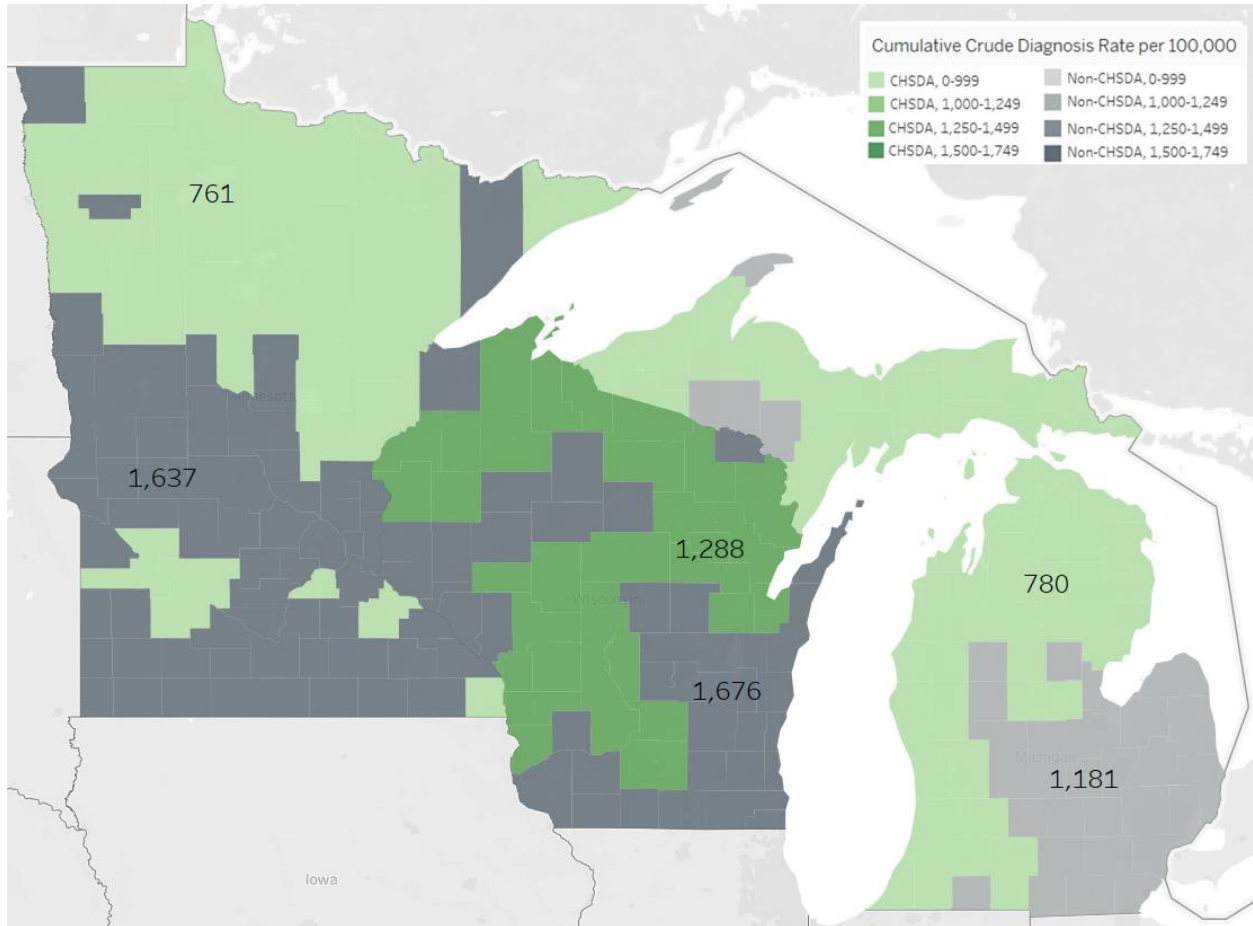
	Diagnosed cases (number)	Deaths (number)	Crude death rate (per 100,000)
Michigan	105,615	6,515	65.18
Minnesota	84,164	1,919	34.20
Wisconsin	89,185	1,210	20.81
Three-state area total	278,964	9,644	45.02



## COVID-19 diagnosis rates, by proximity to reservations

COVID-19 diagnosis rates are higher on or near reservations in Wisconsin (1,288 cases per 100,000 people) than on or near reservations in Michigan and Minnesota (780 and 761 cases per 100,000, respectively). Counties that are not on or near reservations in Minnesota and Wisconsin have the highest rates within the region (1,637 and 1,676 cases per 100,000, respectively).

Map 4. Cumulative COVID-19 crude diagnosis rates (per 100,000) in Michigan, Minnesota, and Wisconsin, by proximity to reservations (CHSDAs),<sup>1</sup> as of September 14, 2020



<sup>1</sup>CHSDAs 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),<sup>1</sup> as of September 14, 2020

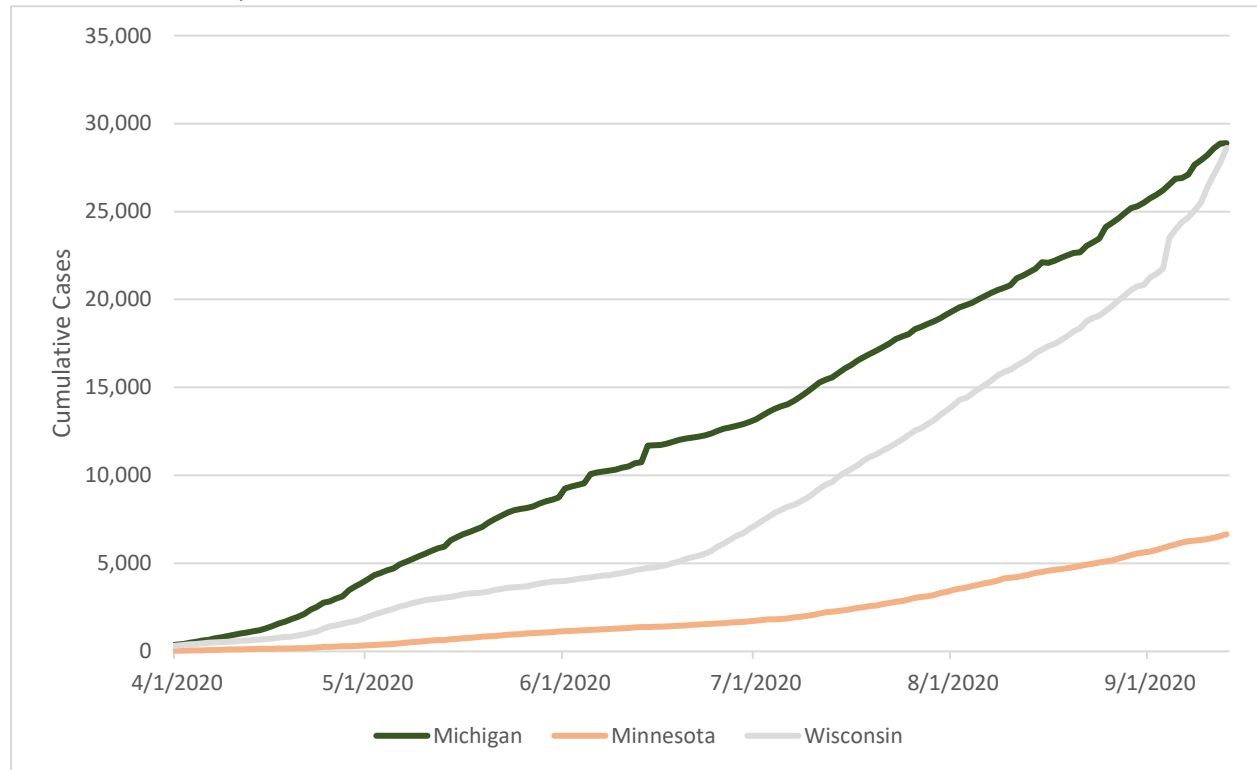
	Crude diagnosis rate (per 100,000)	Diagnosed cases (number)
Michigan	1,057	105,615
On or near reservations (CHSDAs)	780	24,255
Not on or near reservations (non-CHSDA)	1,181	81,360
Minnesota	1,500	84,164
On or near reservations (CHSDAs)	761	6,677
Not on or near reservations (non-CHSDA)	1,637	77,487
Wisconsin	1,534	89,185
On or near reservations (CHSDAs)	1,288	27,348
Not on or near reservations (non-CHSDA)	1,676	61,837
Three-state area total	1,302	278,964

<sup>1</sup>CHSDAs 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 in CHSDAs are approximately the same in Michigan and Wisconsin, while Minnesota’s are much lower (Figure 1). However, COVID-19 deaths in CHSDAs in Minnesota and Wisconsin are much lower than in Michigan (Figure 2).

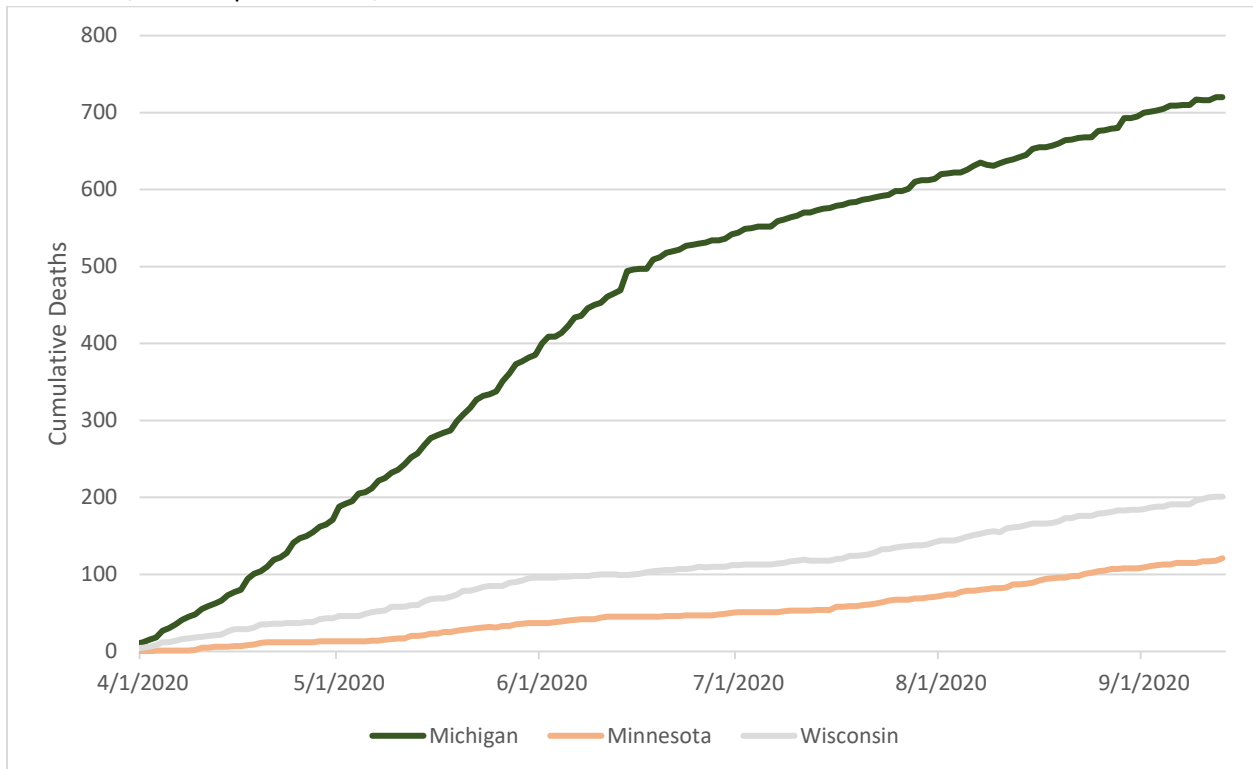
Figure 1. Cumulative COVID-19 cases (by week) on or near reservations in Michigan, Minnesota, and Wisconsin, as of September 14, 2020



<sup>1</sup>CHSDAs 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 September 14, 2020



<sup>1</sup>CHSDAs 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 September 14, 2020 2) Minnesota data from: <https://www.health.state.mn.us/diseases/coronavirus/situation.html> retrieved on September 14, 2020 3) Wisconsin data from: <https://www.dhs.wisconsin.gov/covid-19/county.htm> retrieved on September 14, 2020 4) Weekly data (Figures 1 and 2) from: <https://github.com/nytimes/covid-19-data> retrieved on September 14, 2020 5) Population denominators (2018) retrieved from CDC WONDER Bridged Race Population Estimates database: <https://wonder.cdc.gov/>

