



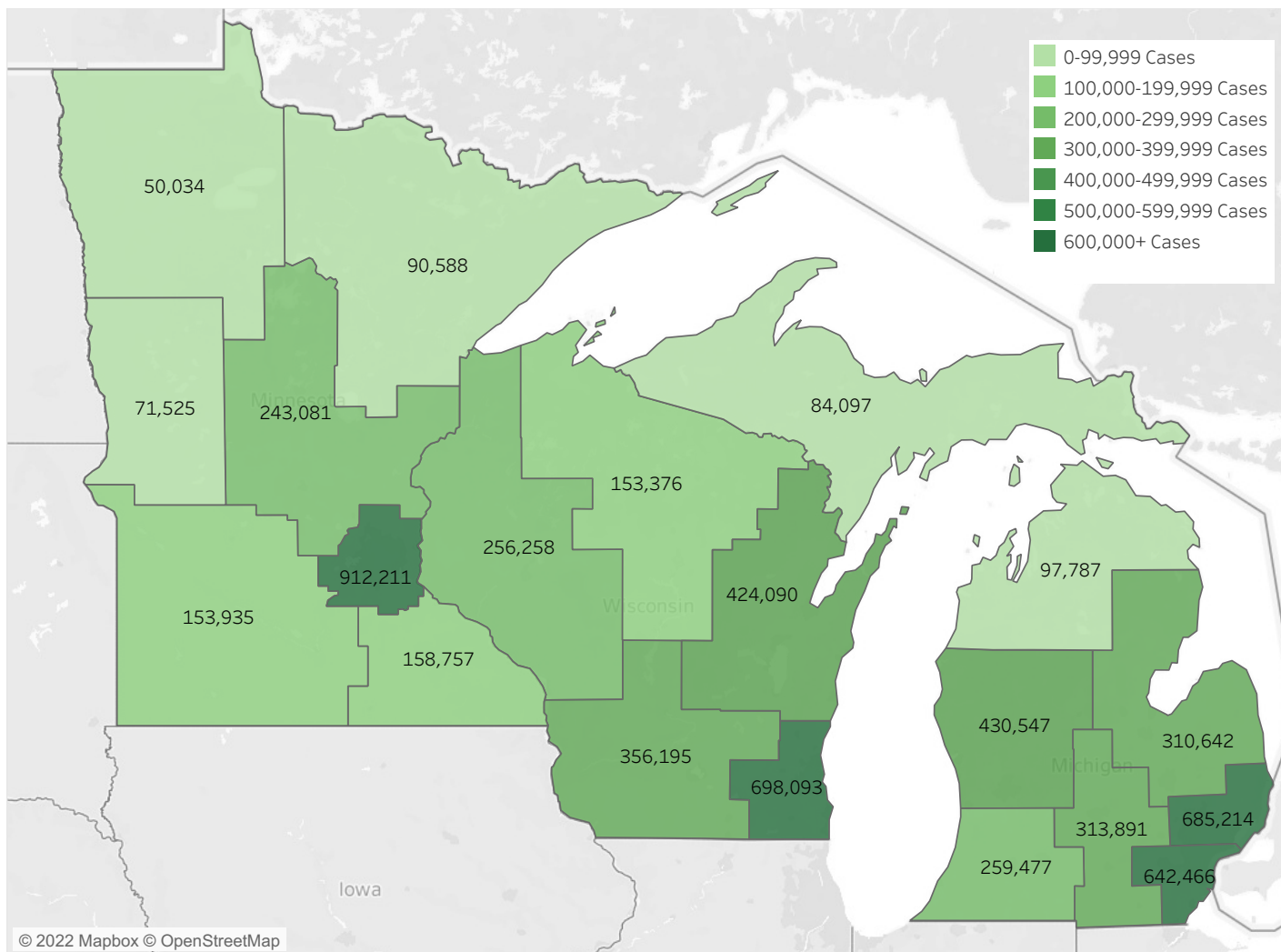
# COVID-19 in the Bemidji IHS Area

Updated: October 23, 2022

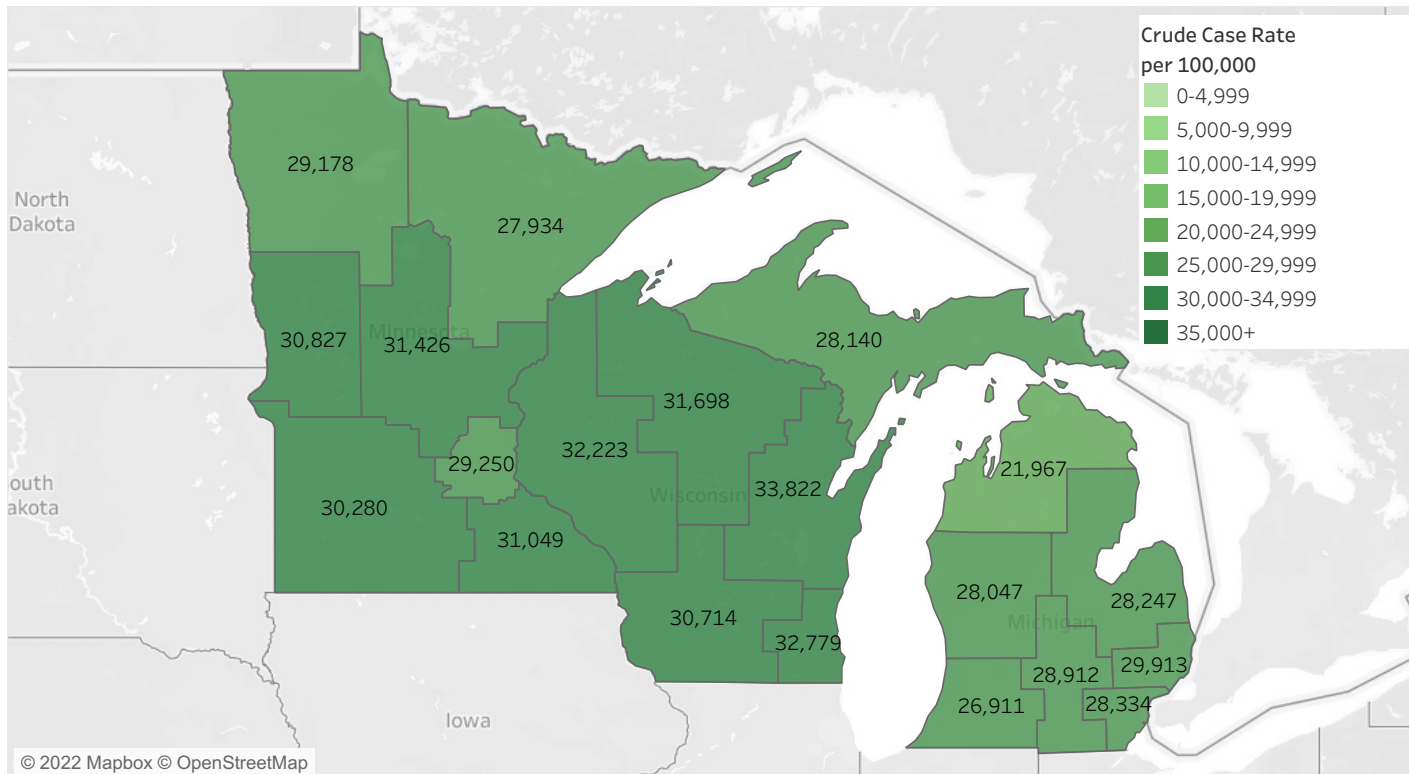
## COVID-19 cases and deaths, by region

The greatest number of cases in the three-state area is in Michigan with 2,824,121 cases. This is followed by Wisconsin with 1,888,012 cases and Minnesota with 1,680,131 cases. More than half of the regions saw a decrease in new cases last week compared to the week prior (Map 4).

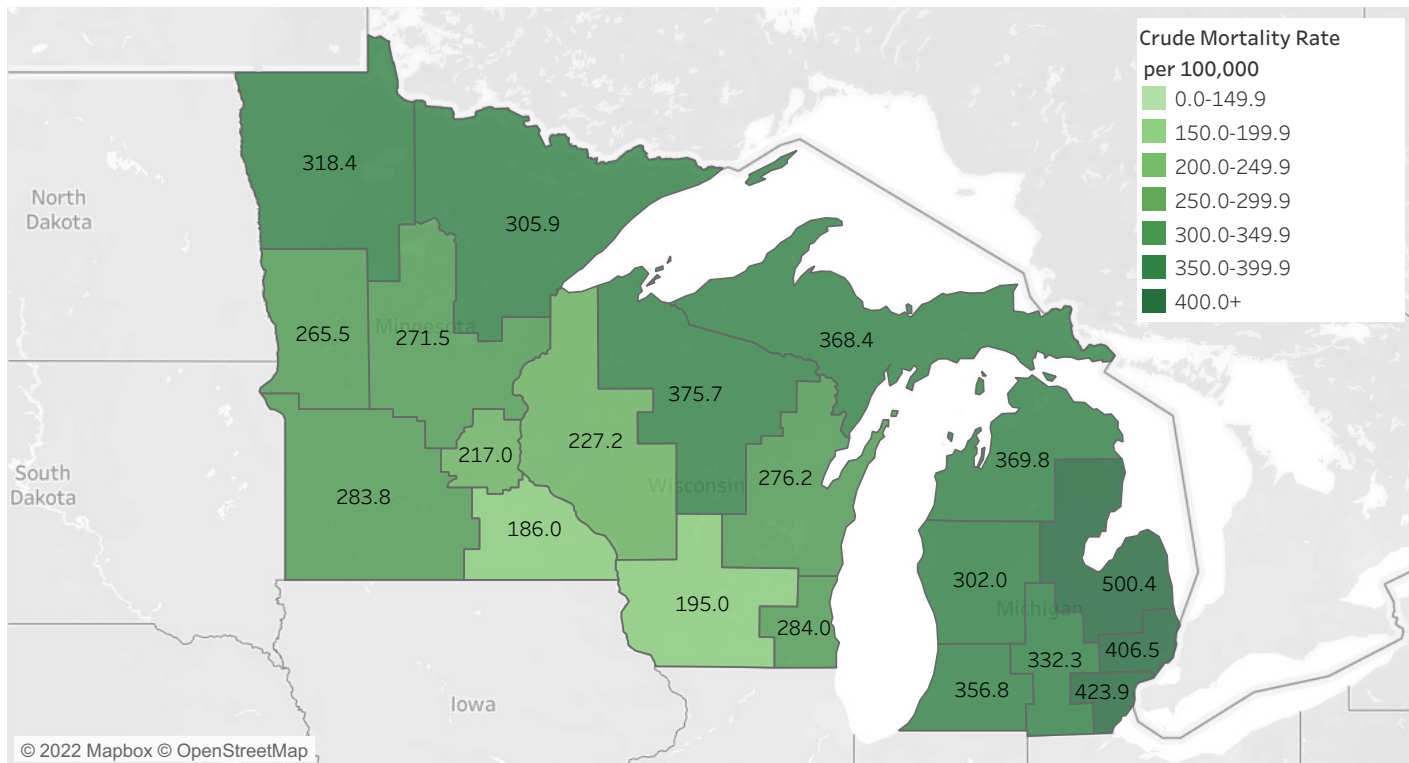
Map 1. Cumulative COVID-19 cases in Michigan, Minnesota, and Wisconsin, by public health region, as of October 23, 2022



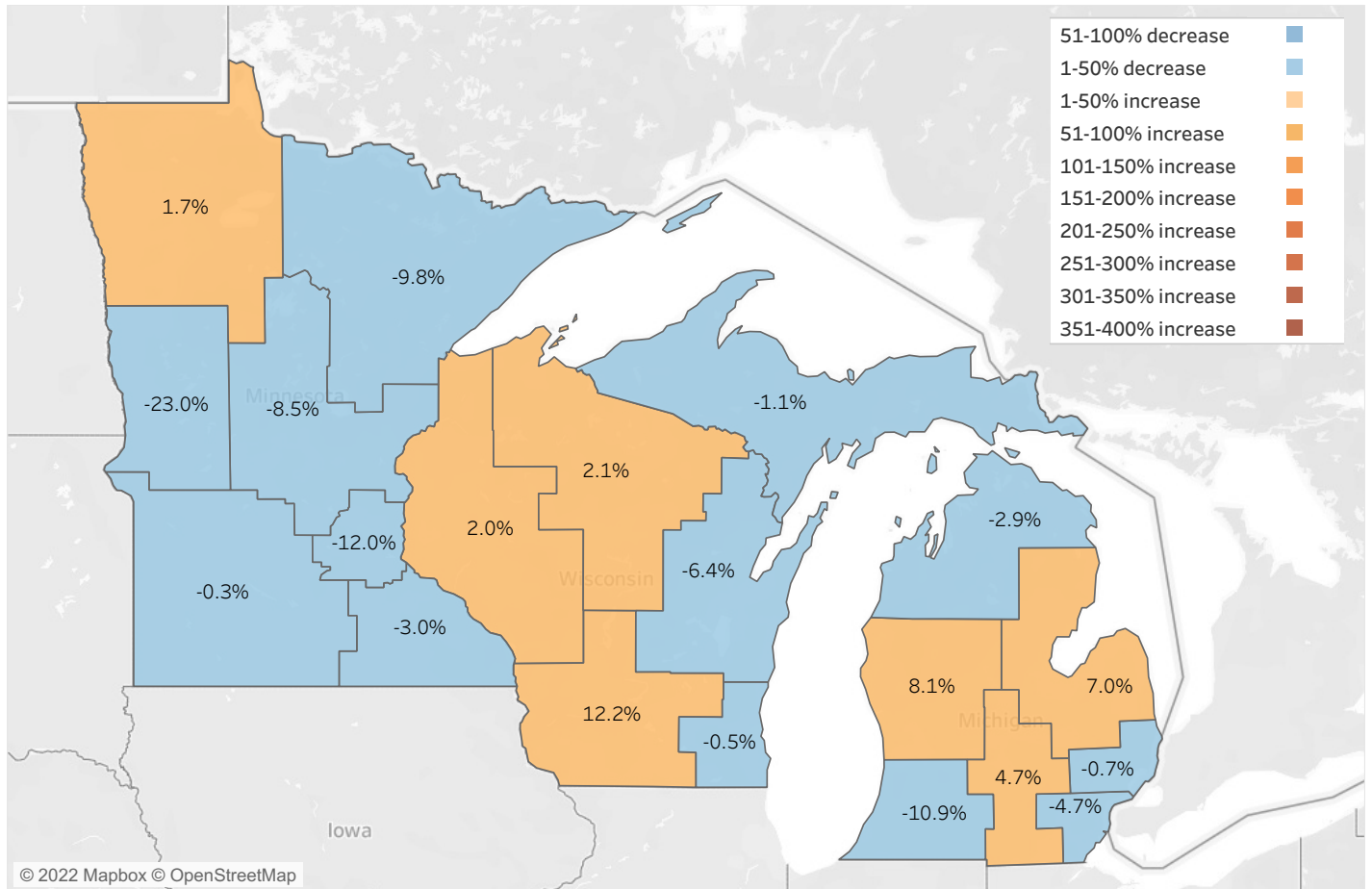
Map 2. Cumulative crude COVID-19 case rate (per 100,000) in Michigan, Minnesota, and Wisconsin, by public health region, as of October 23, 2022



Map 3. Cumulative crude COVID-19 mortality rate (per 100,000) in Michigan, Minnesota, and Wisconsin, by public health region, as of October 23, 2022



Map 4. Percent change in new COVID-19 cases over the last week, October 16, 2022 to October 23, 2022, in Michigan, Minnesota, and Wisconsin, by public health region, as of October 23, 2022



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 October 23, 2022

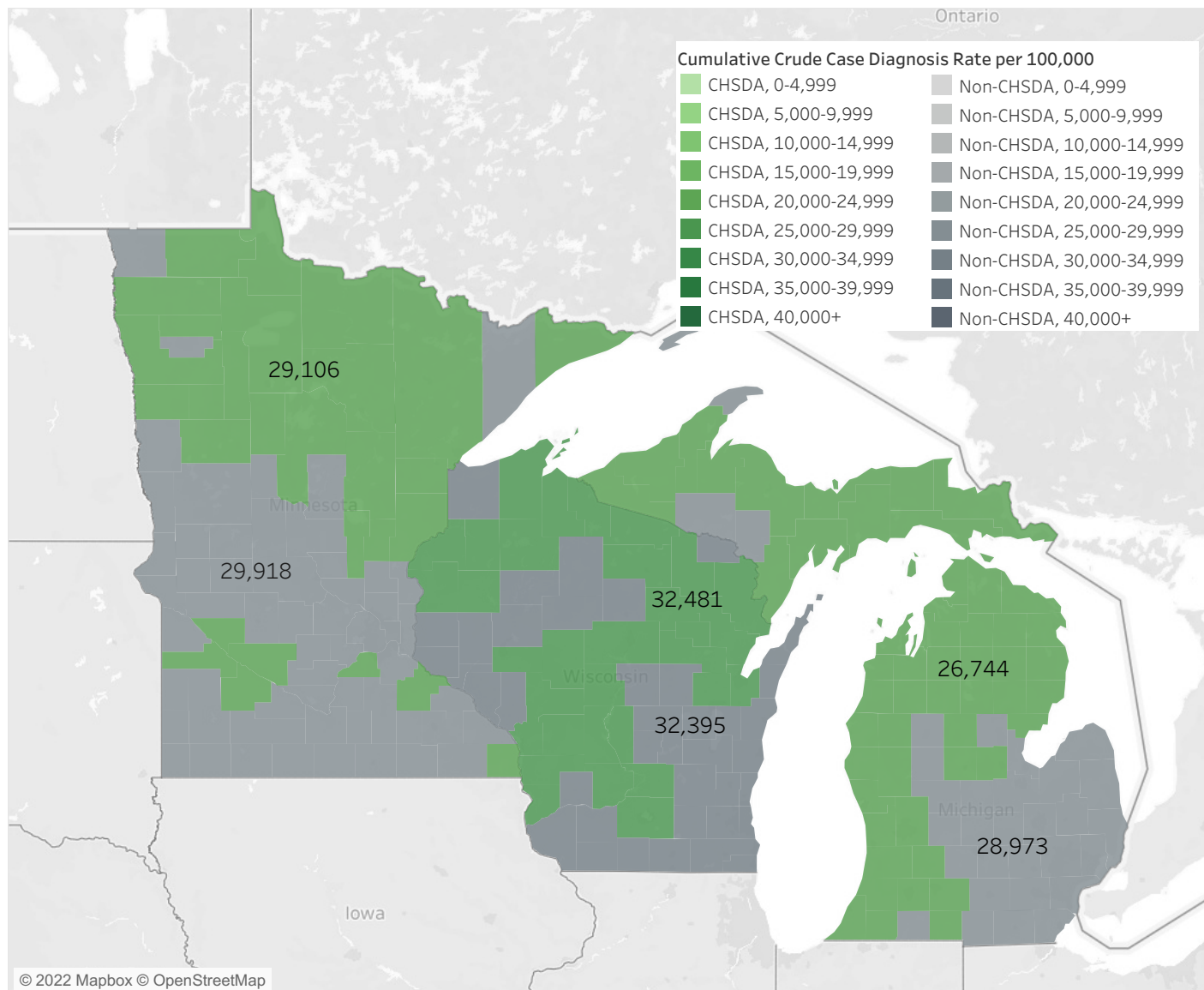
	Cases	Case rate (per 100,000)	Deaths	Crude mortality rate (per 100,000)
Michigan	2,824,121	28,278.4	38,857	389.1
Minnesota	1,680,131	29,791.5	13,416	237.9
Wisconsin	1,888,012	32,426.5	15,398	264.5
Three-State Area	6,392,264	29,802.3	67,671	315.5



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

COVID-19 diagnosis rates are higher on or near reservations in Wisconsin (32,481 cases per 100,000 people) than on or near reservations in Minnesota (29,106 cases per 100,000) and Michigan (26,744 cases per 100,000). Counties that are not on or near reservations in Wisconsin have the highest rates within the region (32,395 cases per 100,000).

Map 5. Cumulative COVID-19 crude diagnosis rates (per 100,000) in Michigan, Minnesota, and Wisconsin, by proximity to reservations (CHSDAs),<sup>1</sup> as of October 23, 2022



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



Table 2. Cumulative COVID-19 cases, crude diagnosis rates (per 100,000), deaths, and crude mortality rates (per 100,000) in Michigan, Minnesota, and Wisconsin, by proximity to reservations (CHSDAs),<sup>1</sup> as of October 23, 2022

		Diagnosed cases	Crude diagnosis rate (per 100,000)	Deaths	Crude mortality rate (per 100,000)
Michigan	CHSDA	832,068	26,744	10,475	337
	Non-CHSDA	1,992,053	28,973	28,382	413
	Statewide	<b>2,824,121</b>	<b>28,278</b>	<b>38,857</b>	<b>389</b>
Minnesota	CHSDA	255,653	29,106	2,544	290
	Non-CHSDA	1,424,478	29,918	10,872	228
	Statewide	<b>1,680,131</b>	<b>29,792</b>	<b>13,416</b>	<b>238</b>
Wisconsin	CHSDA	692,079	32,481	5,038	236
	Non-CHSDA	1,195,933	32,395	10,360	281
	Statewide	<b>1,888,012</b>	<b>32,427</b>	<b>15,398</b>	<b>264</b>
<b>Three-State</b>		<b>6,392,264</b>	<b>29,802</b>	<b>67,671</b>	<b>315</b>

<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 are highest on or near reservations in Michigan (832,068 cases), followed by Wisconsin (692,079 cases) and Minnesota (255,653 cases) (Figure 1). Cumulative COVID-19 deaths are highest on or near reservations in Michigan and lower in Wisconsin and Minnesota (Figure 3).

Figure 1. Cumulative COVID-19 cases on or near reservations in Michigan, Minnesota, and Wisconsin, as of October 23, 2022

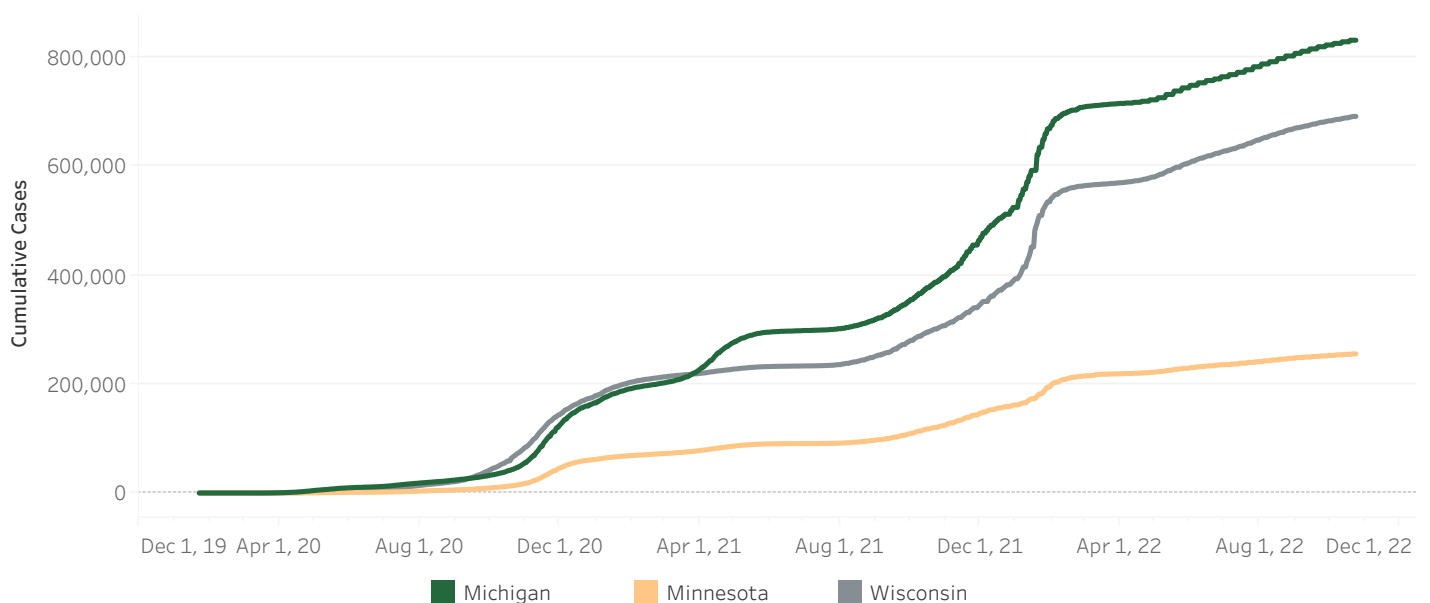
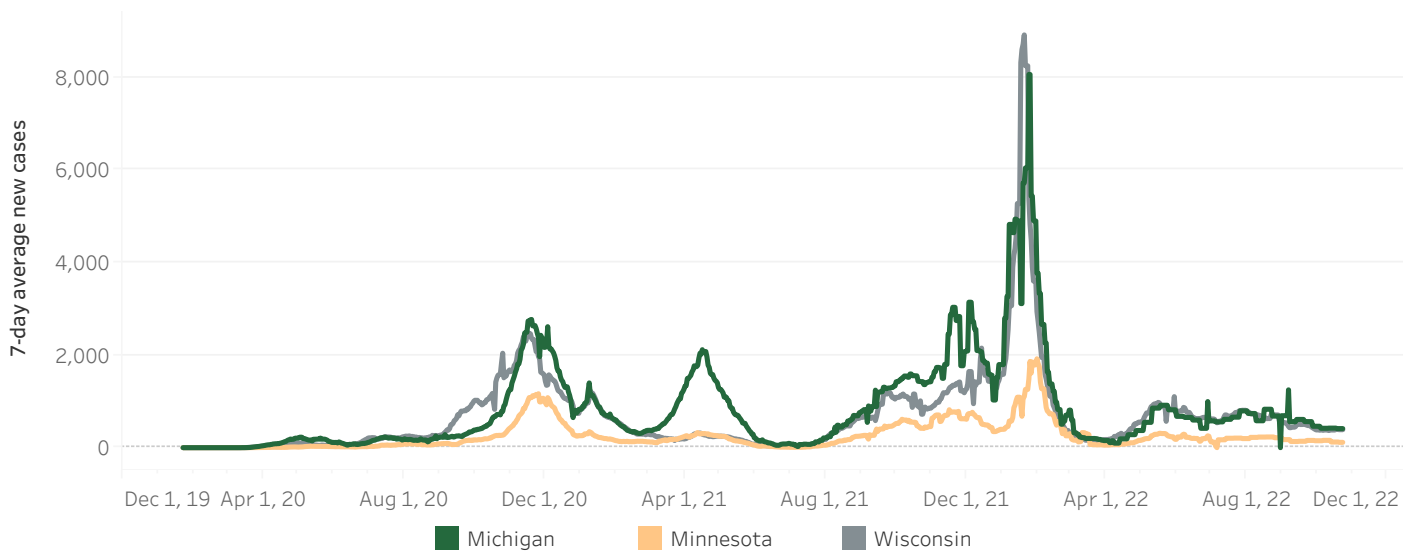
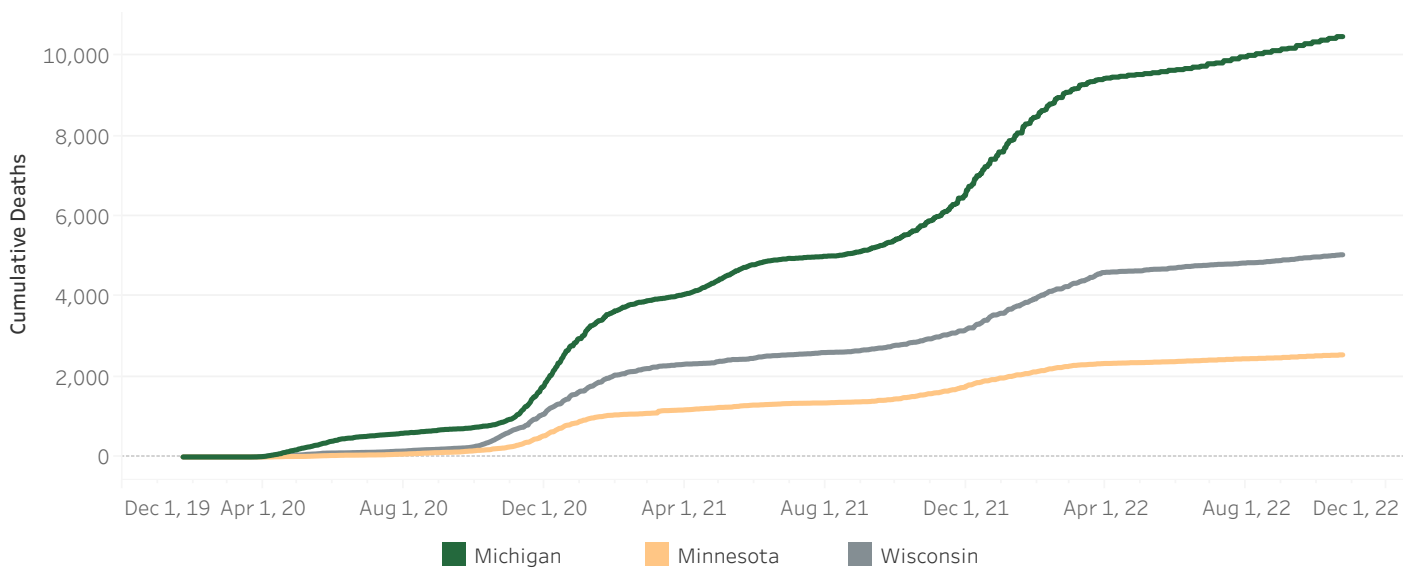


Figure 2. Seven day moving average of new COVID-19 cases on or near reservations in Michigan, Minnesota, and Wisconsin, as of October 23, 2022



NOTE: A positive ("up") sloped line indicates new cases are increasing, a flat slope indicates new cases are remaining steady, a negative ("down") slope indicates new cases are decreasing.

Figure 3. Cumulative COVID-19 deaths on or near reservations in Michigan, Minnesota, and Wisconsin, as of October 23, 2022



Data Note: Cases and deaths reported are confirmed and probable.

Data Source: COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University: <https://github.com/CSSEGISandDATA/COVID-19> retrieved on October 23, 2022

