



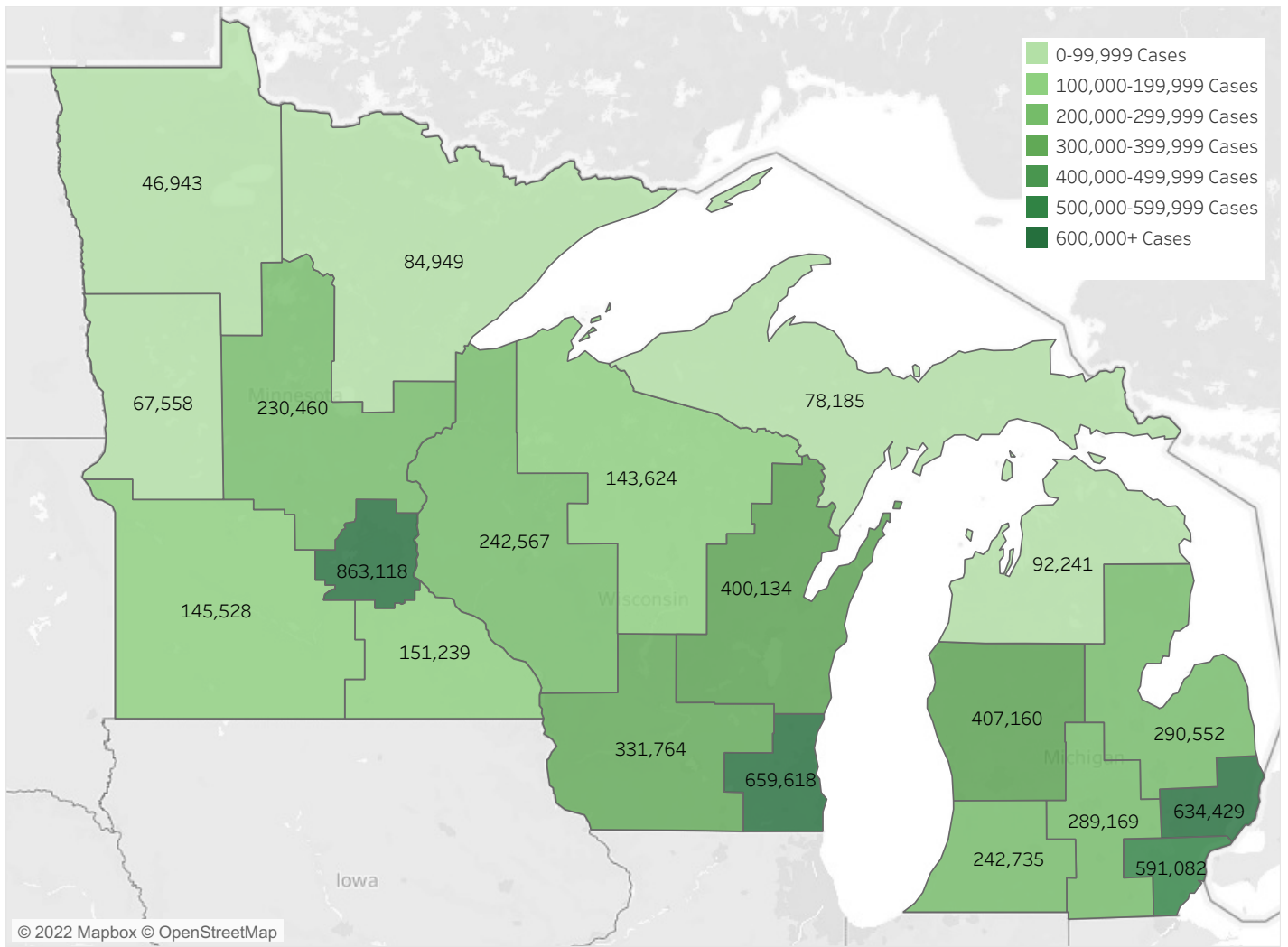
# COVID-19 in the Bemidji IHS Area

Updated: July 31, 2022

## COVID-19 cases and deaths, by region

The greatest number of cases in the three-state area is in Michigan with 2,625,553 cases. This is followed by Wisconsin with 1,777,707 cases and Minnesota with 1,589,795 cases. The majority of regions saw an increase in new cases last week compared to the week prior (Map 4).

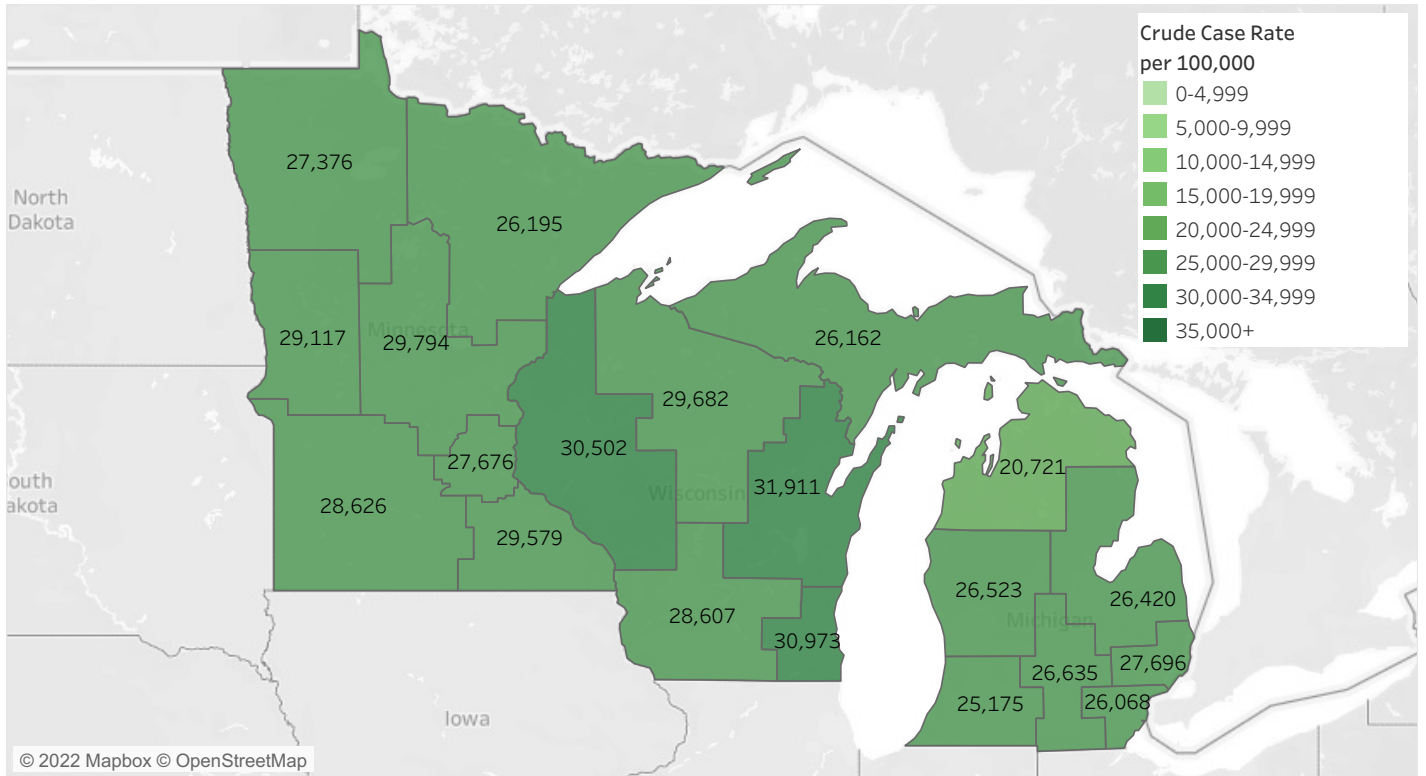
Map 1. Cumulative COVID-19 cases in Michigan, Minnesota, and Wisconsin, by public health region, as of July 31, 2022



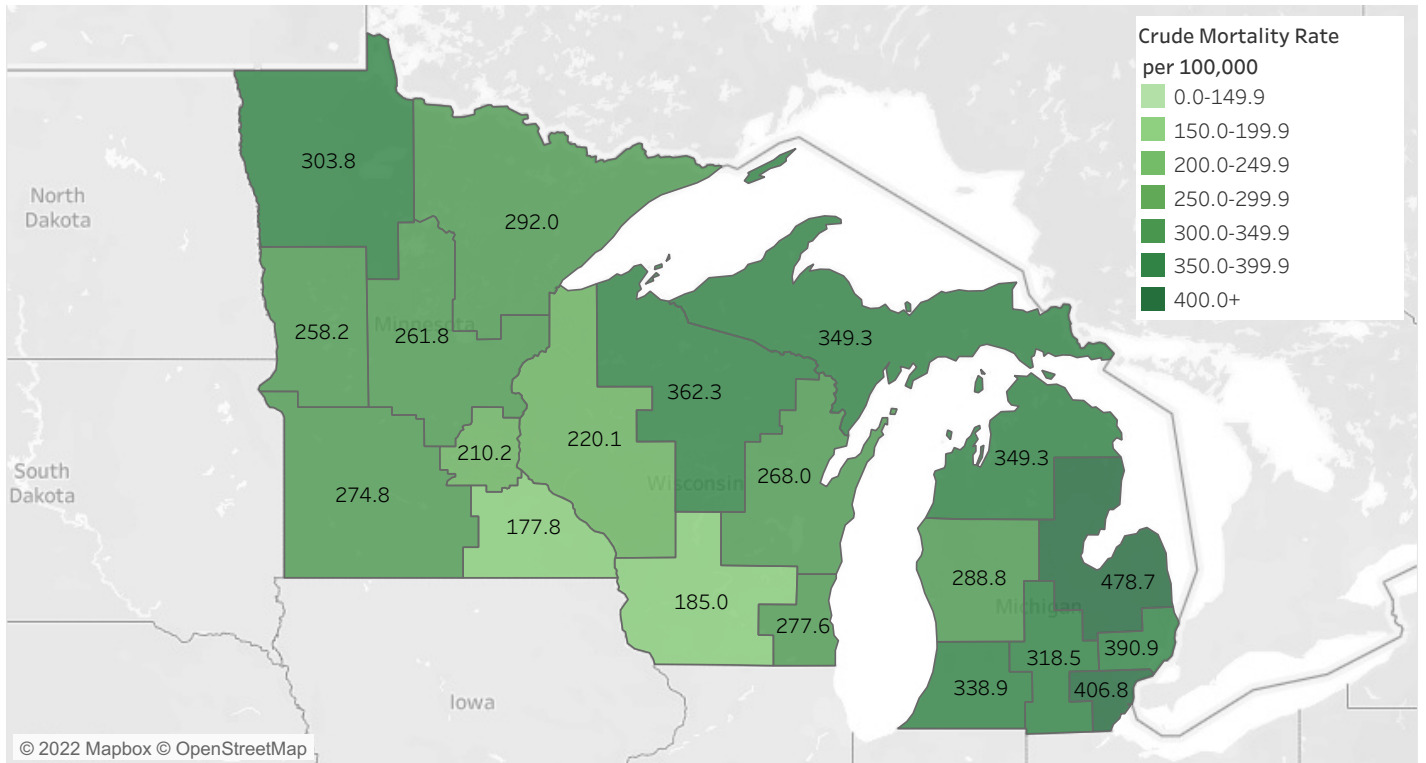
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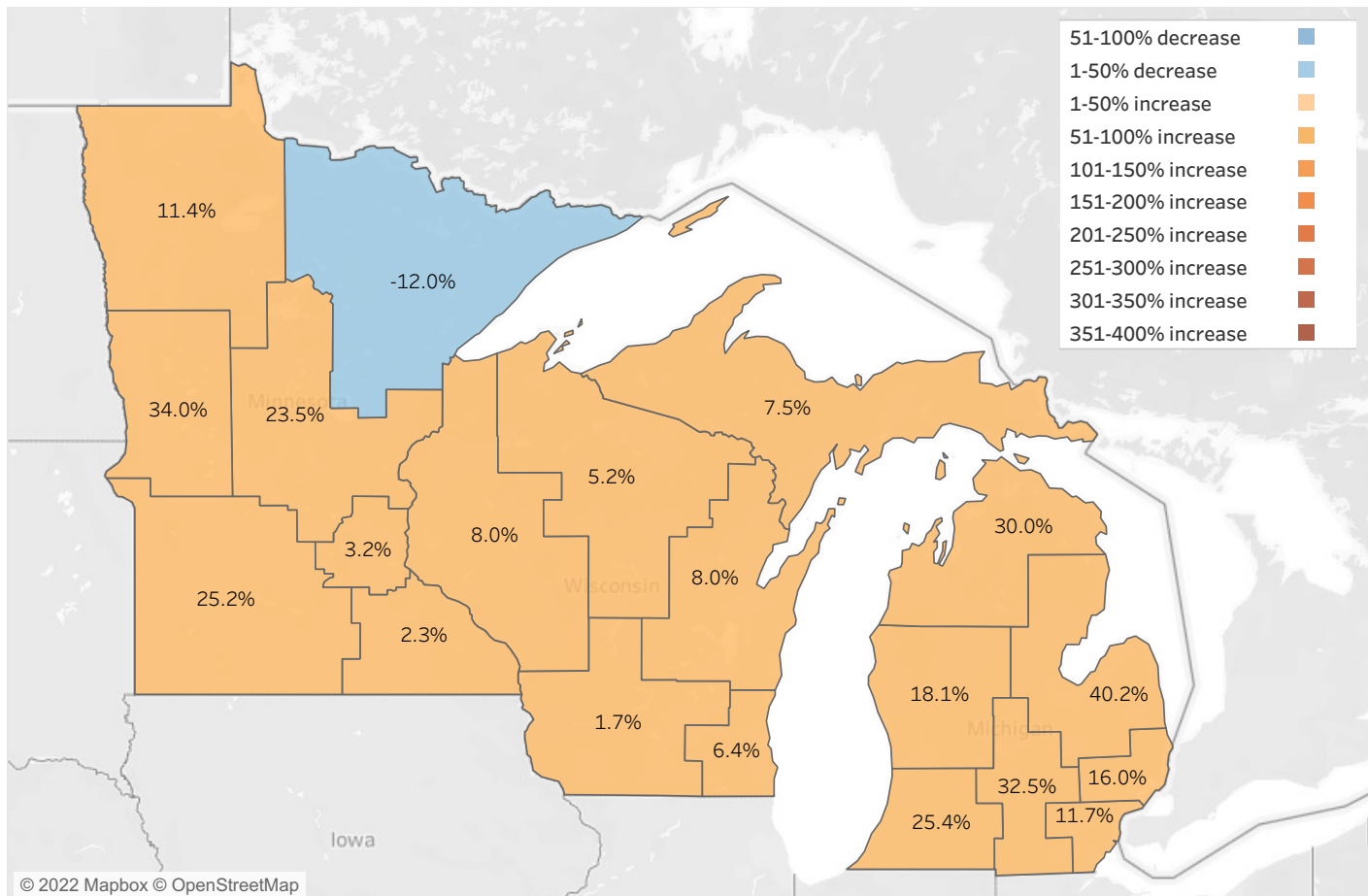
Map 2. Cumulative crude COVID-19 case rate (per 100,000) in Michigan, Minnesota, and Wisconsin, by public health region, as of July 31, 2022



Map 3. Cumulative crude COVID-19 mortality rate (per 100,000) in Michigan, Minnesota, and Wisconsin, by public health region, as of July 31, 2022



Map 4. Percent change in new COVID-19 cases over the last week, July 24, 2022 to July 31, 2022, in Michigan, Minnesota, and Wisconsin, by public health region, as of July 31, 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 July 31, 2022

|                  | Cases     | Case rate<br>(per 100,000) | Deaths | Crude mortality rate<br>(per 100,000) |
|------------------|-----------|----------------------------|--------|---------------------------------------|
| Michigan         | 2,625,553 | 26,290.1                   | 37,203 | 372.5                                 |
| Minnesota        | 1,589,795 | 28,189.7                   | 12,953 | 229.7                                 |
| Wisconsin        | 1,777,707 | 30,532.0                   | 14,922 | 256.3                                 |
| Three-State Area | 5,993,055 | 27,941.1                   | 65,078 | 303.4                                 |



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

COVID-19 diagnosis rates are higher on or near reservations in Wisconsin (30,432 cases per 100,000 people) than on or near reservations in Minnesota (27,479 cases per 100,000) and Michigan (25,176 cases per 100,000). Counties that are not on or near reservations in Wisconsin have the highest rates within the region (30,590 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 July 31, 2022

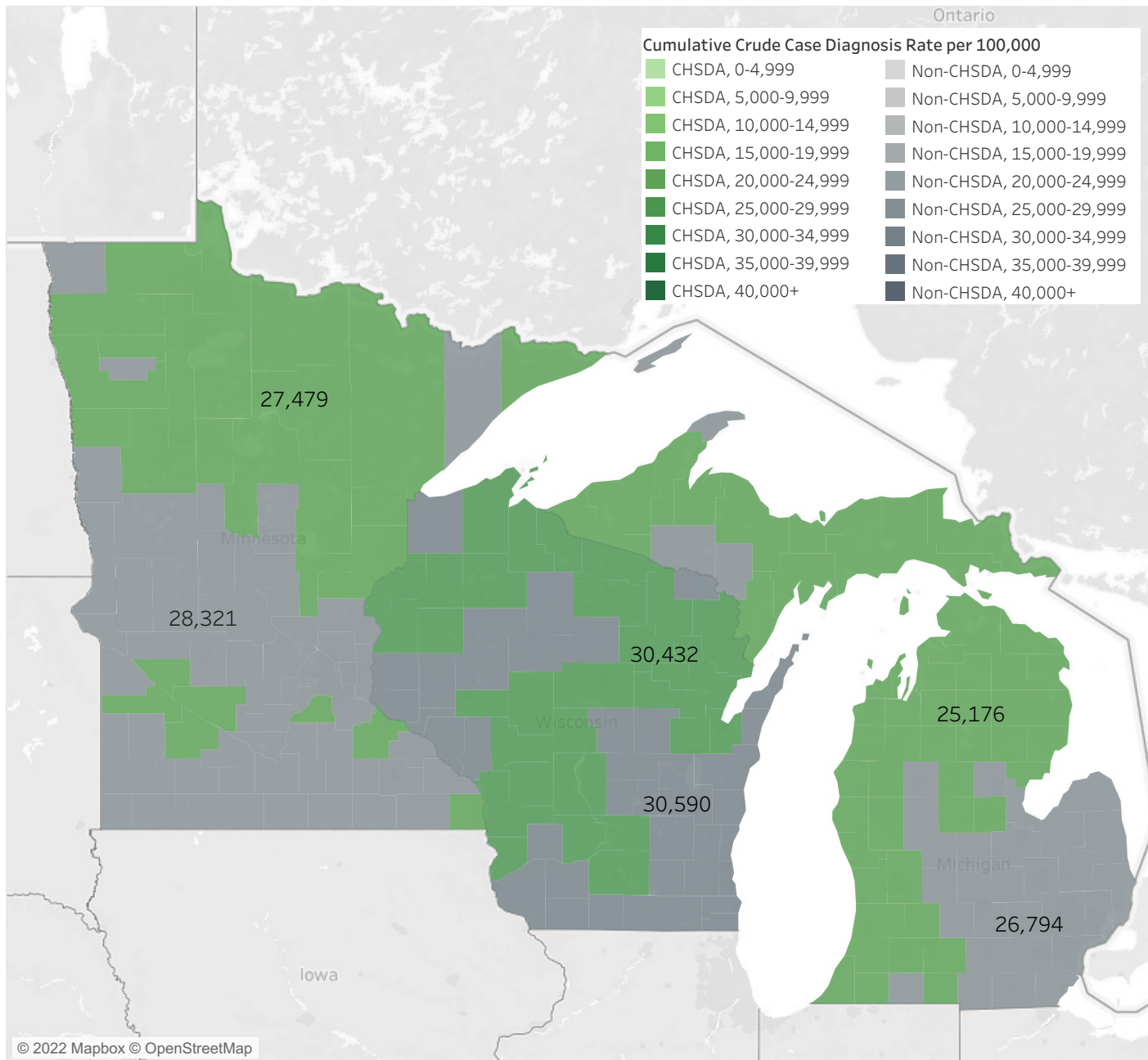


Table 2. Cumulative COVID-19 cases, crude diagnosis rates (per 100,000), deaths, and crude mortality rates (per 100,000) in Michigan, Minnesota, and Wisconsin, by proximity to reservations (CHSDAs),<sup>1</sup> as of July 31, 2022

|                    |           | Diagnosed cases  | Crude diagnosis rate<br>(per 100,000) | Deaths        | Crude mortality rate<br>(per 100,000) |
|--------------------|-----------|------------------|---------------------------------------|---------------|---------------------------------------|
| Michigan           | CHSDA     | 783,282          | 25,176                                | 9,970         | 320                                   |
|                    | Non-CHSDA | 1,842,271        | 26,794                                | 27,233        | 396                                   |
|                    | Statewide | <b>2,625,553</b> | <b>26,290</b>                         | <b>37,203</b> | <b>373</b>                            |
| Minnesota          | CHSDA     | 241,358          | 27,479                                | 2,447         | 279                                   |
|                    | Non-CHSDA | 1,348,437        | 28,321                                | 10,506        | 221                                   |
|                    | Statewide | <b>1,589,795</b> | <b>28,190</b>                         | <b>12,953</b> | <b>230</b>                            |
| Wisconsin          | CHSDA     | 648,410          | 30,432                                | 4,832         | 227                                   |
|                    | Non-CHSDA | 1,129,297        | 30,590                                | 10,090        | 273                                   |
|                    | Statewide | <b>1,777,707</b> | <b>30,532</b>                         | <b>14,922</b> | <b>256</b>                            |
| <b>Three-State</b> |           | <b>5,993,055</b> | <b>27,941</b>                         | <b>65,078</b> | <b>303</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 (783,282 cases), followed by Wisconsin (648,410 cases) and Minnesota (241,358 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 July 31, 2022

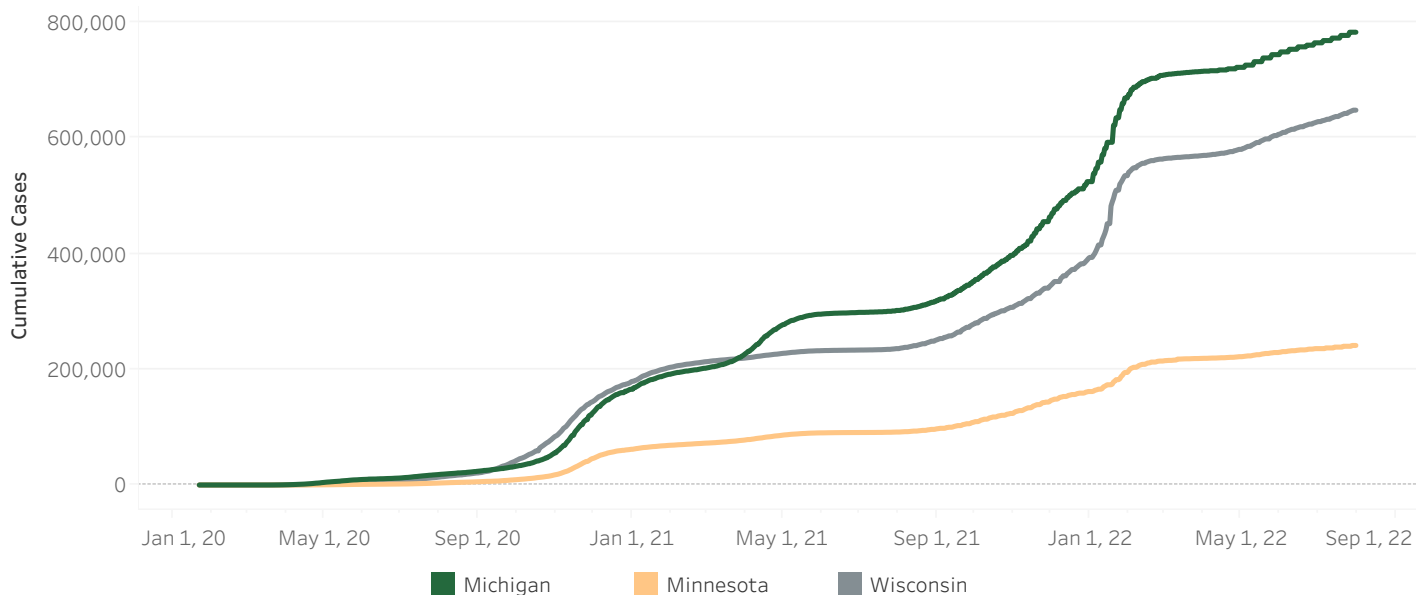
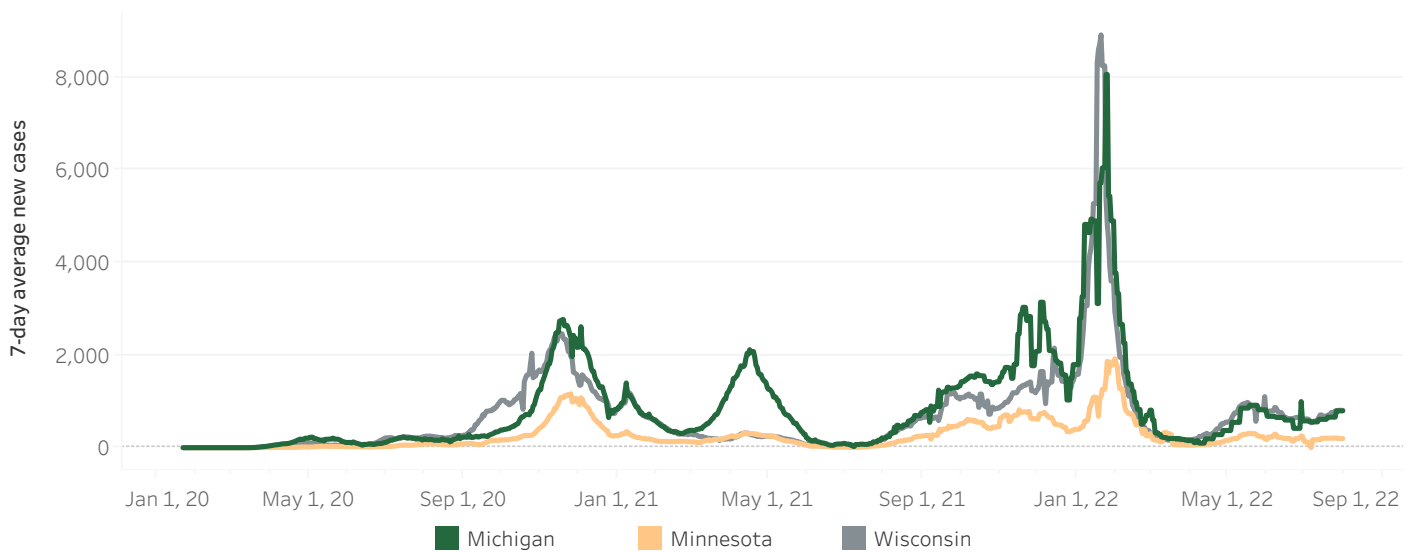
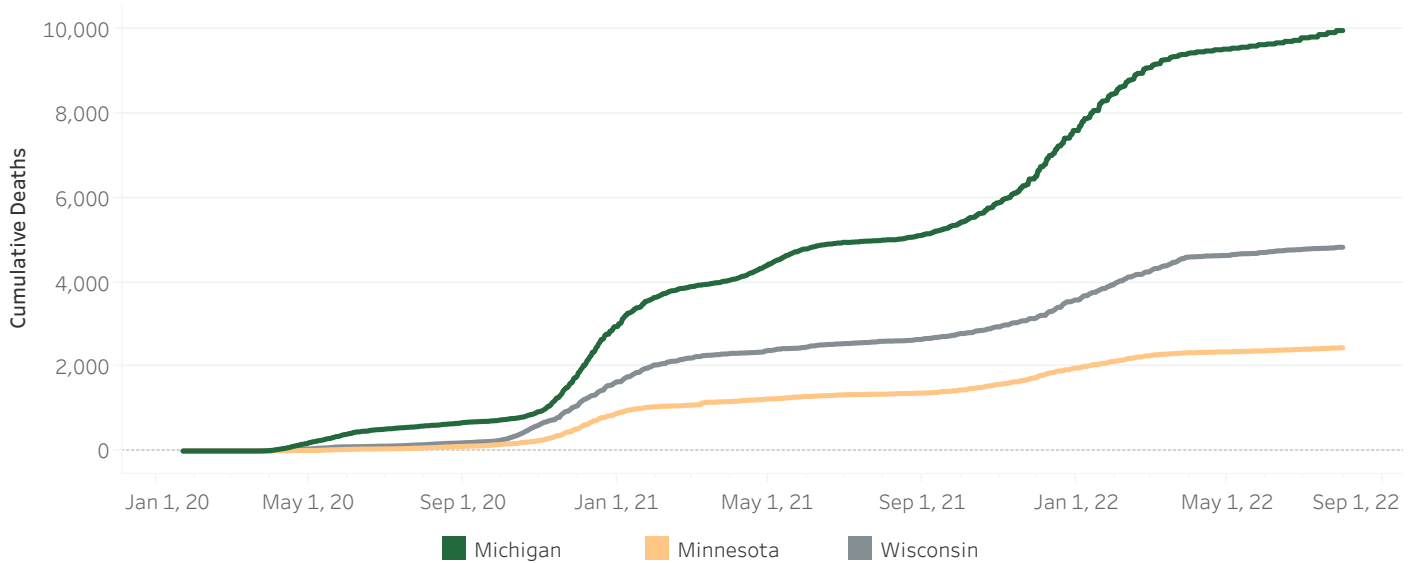


Figure 2. Seven day moving average of new COVID-19 cases on or near reservations in Michigan, Minnesota, and Wisconsin, as of July 31, 2022



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 July 31, 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 July 31, 2022

