Today’s Speakers
Tuesday, January 4, 2022

Christine Nefcy, M.D., FAAP, Chief Medical Officer, Munson Healthcare

Nick Torney, PharmD, BCIDP, Infectious Disease, Munson Healthcare

Dianne Michalek, Chief Marketing and Communications Officer, Munson Healthcare
Christine Nefcy, M.D., FAAP
Chief Medical Officer
Munson Healthcare
# Current Data: COVID-19 in Michigan

## Cumulative Cases

<table>
<thead>
<tr>
<th>State of Michigan</th>
<th>Cumulative Cases</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHC Regions</td>
<td>83,772</td>
<td>1,546</td>
</tr>
<tr>
<td>State of Michigan</td>
<td>1,775,828</td>
<td>29,330</td>
</tr>
<tr>
<td>USA</td>
<td>52,543,602</td>
<td>812,577</td>
</tr>
<tr>
<td>Global</td>
<td>281,808,270</td>
<td>5,411,759</td>
</tr>
</tbody>
</table>

## State of Michigan Breakout

<table>
<thead>
<tr>
<th></th>
<th>Cumulative Cases</th>
<th>Cumulative Deaths</th>
<th>Daily Cases*</th>
<th>Daily Deaths*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confirmed</td>
<td>1,568,573</td>
<td>27,286</td>
<td>61,235</td>
<td>298</td>
</tr>
<tr>
<td>Probable</td>
<td>207,295</td>
<td>2,056</td>
<td>4,356</td>
<td>25</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1,775,868</td>
<td>29,342</td>
<td>65,591</td>
<td>323</td>
</tr>
</tbody>
</table>

*Weekend State daily volume may be combined for Saturday and Sunday

## State of Michigan Diagnostic Tests

<table>
<thead>
<tr>
<th></th>
<th>Positive</th>
<th>Negative</th>
<th>Total</th>
<th>% Positive</th>
</tr>
</thead>
<tbody>
<tr>
<td>YTD</td>
<td>1,925,652</td>
<td>18,410,254</td>
<td>20,335,906</td>
<td>9.5%</td>
</tr>
<tr>
<td>14 Day Avg</td>
<td>11,542</td>
<td>33,193</td>
<td>44,734</td>
<td>25.8%</td>
</tr>
<tr>
<td>1/2/2022</td>
<td>13,338</td>
<td>27,246</td>
<td>40,584</td>
<td>32.9%</td>
</tr>
</tbody>
</table>

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*Munson Healthcare*
Current Data: COVID-19 in Northern Michigan

<table>
<thead>
<tr>
<th>MHC Region</th>
<th>Cumulative Cases</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>83,772</td>
<td>1,434</td>
</tr>
</tbody>
</table>

**MHC Region Breakout**

<table>
<thead>
<tr>
<th></th>
<th>Cumulative Cases</th>
<th>Cumulative Deaths</th>
<th>Daily Cases*</th>
<th>Daily Deaths*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confirmed</td>
<td>63,873</td>
<td>1,401</td>
<td>1,035</td>
<td>22</td>
</tr>
<tr>
<td>Probable</td>
<td>19,899</td>
<td>145</td>
<td>399</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL</td>
<td>83,772</td>
<td>1,546</td>
<td>1,434</td>
<td>26</td>
</tr>
</tbody>
</table>

*Weekend State daily volume may be combined for Saturday and Sunday

**MHC Region Diagnostic Tests**

<table>
<thead>
<tr>
<th></th>
<th>Positive</th>
<th>Negative</th>
<th>Total</th>
<th>% Positive</th>
</tr>
</thead>
<tbody>
<tr>
<td>YTD</td>
<td>69,812</td>
<td>711,576</td>
<td>781,388</td>
<td>8.9%</td>
</tr>
<tr>
<td>14 Day Avg</td>
<td>200</td>
<td>1,081</td>
<td>1,281</td>
<td>15.6%</td>
</tr>
<tr>
<td>1/2/2022</td>
<td>184</td>
<td>860</td>
<td>1,044</td>
<td>17.6%</td>
</tr>
</tbody>
</table>

**MHC Cases Per 100,000 People**

<table>
<thead>
<tr>
<th></th>
<th>Cumulative</th>
<th>Last 14 Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confirmed</td>
<td>10,963</td>
<td>421</td>
</tr>
<tr>
<td>Probable</td>
<td>3,415</td>
<td>195</td>
</tr>
<tr>
<td>TOTAL</td>
<td>14,378</td>
<td>616</td>
</tr>
</tbody>
</table>

MUNSON HEALTHCARE
Munson Healthcare Hospitalization Trends

**Inpatient COVID Cases by Day**

- Total Daily COVID IP Count
- Daily COVID-positive IPs
- Daily COVID-suspected IPs

*Updated: 01/04/2022*
Daily Trends in Number of COVID-19 Cases in the United States Reported to CDC

Weekly confirmed COVID-19 cases per million people
Weekly confirmed cases refer to the cumulative number of confirmed cases over the previous week.

Source: Johns Hopkins University CSSE COVID-19 Data CC BY

ourworldindata.org
COVID-19 Vaccine Dashboard: Region 7

COVID Vaccination Coverage - Completion
Dashboard Updated: December 28, 2021. "Completion" is the percentage of Michigan residents receiving 2 doses of Pfizer or Moderna or 1 dose of J&J. "Initiation" is the percentage who have received either 1 or more doses of ANY vaccine. See the "Learn More" page to learn how percentages are calculated.

Residents Vaccinated
256,292
Coverage (% of Residents Vaccinated)
60.5%
MI Population*
9,420,414

*2019 US Census estimates for persons 5 years of age and older

(Michigan.gov)
COVID-19 Hospitalizations
January 4, 2022

76 Hospitalized
12 Vaccinated
64 Unvaccinated

These numbers represent the number of patients who are hospitalized due to COVID-19 and not other reasons.

32 In the ICU
2 Vaccinated
30 Unvaccinated

Of the total number of patients hospitalized for COVID-19, this represents how many are in an ICU and their vaccination status.

13 On Ventilator(s)
0 Vaccinated
13 Unvaccinated

Of the total number of patients hospitalized for COVID-19, and in an ICU, this represents how many are on a ventilator and their vaccination status.

For more information, visit munsonhealthcare.org.
COVID-19 Trends

Case Rate Trends by Age Group
Daily new confirmed and probable cases per million by age group (7-day rolling average)

- Case rate trends for most age groups saw decreases over the past week but data for the lag period is showing increases.
- Case rates by onset date for all age groups are between 225 and 660 cases per million (through 12/20).
- Case counts and case rates are highest for 30-39-year-olds this week.

Note: Case information sourced from MDHHS and reflects date of onset of symptoms.
Source: MDHHS – Michigan Disease Surveillance System
COVID-19 Boosters

• The Food and Drug Administration (FDA) approved Pfizer’s COVID-19 booster dose for children ages 12-15.

• The FDA also shortened the timing of Pfizer’s booster shot from 6 months to 5 months making more people eligible.

• The FDA and CDC recommend boosters.

• If you received Moderna and are 18 years or older you may get a booster 5 months after completing your primary COVID-19 vaccination series.

• If you received Johnson & Johnson’s Jassen and are 18 years or older you may get a booster 2 months after completing your primary COVID-19 vaccination series.
Flu Cases in Michigan

One flu outbreak in a school setting has been reported in northern Michigan.

Michigan Data (10/9/21 – 12/27/21)
Michigan.gov
Vaccines remain the best public health measure to protect people from COVID-19, slow transmission, and reduce the likelihood of new variants emerging.

Masks offer protection against all variants.

Tests can tell you if you are currently infected with COVID-19.
Let’s Band Together.

- Get vaccinated or get your booster.
- Mask in school settings and other indoor settings.
- Masking also helps prevent the spread of flu and RSV.
- Continue to practice social distancing.
- Wash hands frequently.
Mask Wearing Tips

- If you wear washable masks, choose those with multiple layers (two or more) of breathable fabric, like cotton.
- Discard disposable masks after one-time use.
- Wash your reusable mask at least once per day – by hand (with soap and water) or in a washing machine.
- Avoid masks with built-in ventilators, where virus particles can escape.
- Winter scarves or ski masks should be worn over your mask.
- Men – Shave or trim your beard to avoid gapping.
- Masks with gaps – or that don’t cover your nose or mouth – are ineffective.
- Don’t mask children under the age of 2.
Nick Torney, Pharm.D., BCIDP
Infectious Disease Pharmacist
Munson Healthcare
COVID-19 New Oral Medication: Paxlovid (nirmatrelvir/ritonavir)

Paxlovid (nirmatrelvir/ritonavir)

- Treatment of patients with mild to moderate COVID-19
- Patients not hospitalized due to severe or critical COVID-19
- Eligibility Criteria (MDHHS): Age **12 years** and older with moderate to severe immunocompromise regardless of vaccine status or
- Age ≥75 years and not maximally vaccinated¹
- Treatment must be started within 5 days of symptom onset
- Treatment duration: 5 days
- Drug interactions must be reviewed prior to prescribing due to ritonavir

¹Maximally vaccinated includes completion of all recommended vaccinations for age group, including booster
COVID-19 New Oral Medication: Molnupiravir

Molnupiravir
• Treatment of patients with mild to moderate COVID-19
• Patients not hospitalized due to COVID-19
• Suggested as an alternative when Paxlovid or mAb therapy are not available for:
  – Age **18 years** and older with moderate to severe immunocompromise regardless of vaccine status or
  – Age ≥75 years and not maximally vaccinated
  – Age 65-74 years, not maximally vaccinated, and with priority risk factor
• Treatment must be started within 5 days of symptom onset
• Treatment duration: 5 days
• Not recommended for use during pregnancy due to concern for fetal toxicity in animal studies. No data available in humans.

1Maximally vaccinated includes completion of all recommended vaccinations for age group, including booster
Thank you. Questions?
Community Resources

www.vaccines.gov

211 Michigan
211 or 844-875-9211
www.mi211.org

Area Agency on Aging of Northwest Michigan (AAANM)
1-800-442-1713, 231-947-8920
info@aaanm.org
Senior hotline: 231-715-5557

Northwest Michigan Health Services
www.nmhsi.org
231-947-0351

Grand Traverse County Health Department
www.grandtraverse.org/2394
gtchd@gtcountymi.gov or 231-995-6111

Health Department of Northwest Michigan and Benzie Leelanau District Health Dept.
www.nwhealth.org
www.bldhd.org

District Health Department #10
covid@dhd10.org or www.dhd10.org
Sign up for Public Health Alerts at www.dhd10.org/subscribe
COVID-19 Testing Resources
If You Have Symptoms, Get Tested

- Local Health Departments
- Primary Care Provider
- Walgreens and Rite-Aid (free)
- [www.michigan.gov/coronavirus](http://www.michigan.gov/coronavirus) (Click Find a Testing Site)
The COVID-19 Vaccine: Questions? Ask a nurse. 231-935-0951

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