

# **MI COVID RESPONSE DATA AND MODELING UPDATE**

July 5, 2022

# Epidemiologic Surveillance: Key Messages

## **COVID-19 pandemic is surging in some parts of the globe and within the United States**

- The surge in several European countries are continuing to increase and is being seen in more countries
- Within the U.S., case rates increased 7% over the past week
- Most midwestern states (region 5) are at a plateau but parts of the U.S. (Southeast and West) are seeing increases

## **COVID spread in Michigan is no longer declining**

- COVID spread is assessed from many different markers including CDC community levels and other surveillance systems
- As of June 30, 17% of Michigan Counties at Medium or High COVID-19 Community Levels, which is a slight improvement from last week
  - No Michigan counties are classified as High this week according to CDC's Community Levels
  - 14 Michigan counties are currently at Medium level (17%). This represents 10% of the population.
- The  $R_t$  for Michigan is increasing above 1 indicating elevated COVID spread is potential
- The proportion of specimens sequenced and identified as BA.4, and BA.5 in the U.S. and Michigan continues to rise
- 30% of SWEEP sites saw an increase in the most recent week and another 10% of sites saw a plateau in trends

## **COVID-19 hospital metrics in Michigan remain lower than past surges**

- COVID-19 hospital admissions, hospital census, ICU census, and pediatric hospitalizations are mostly steady this week from last week but there are some early signs of regional increases

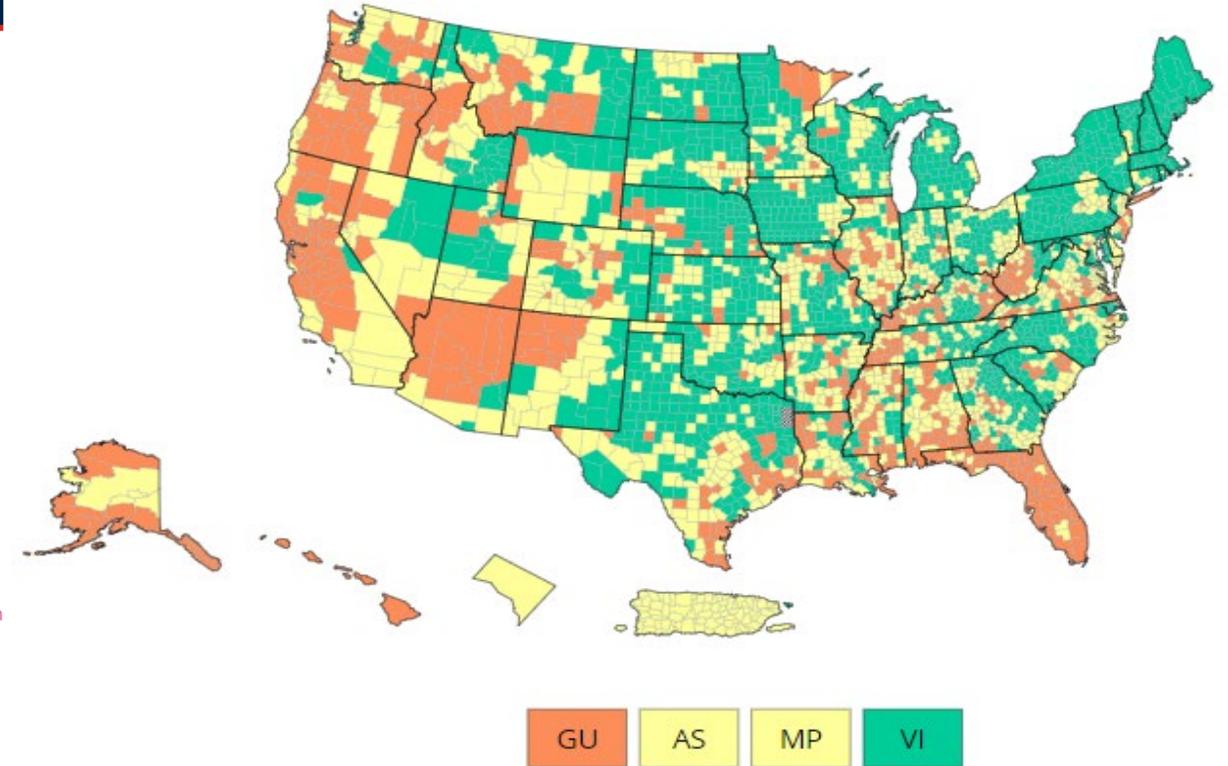
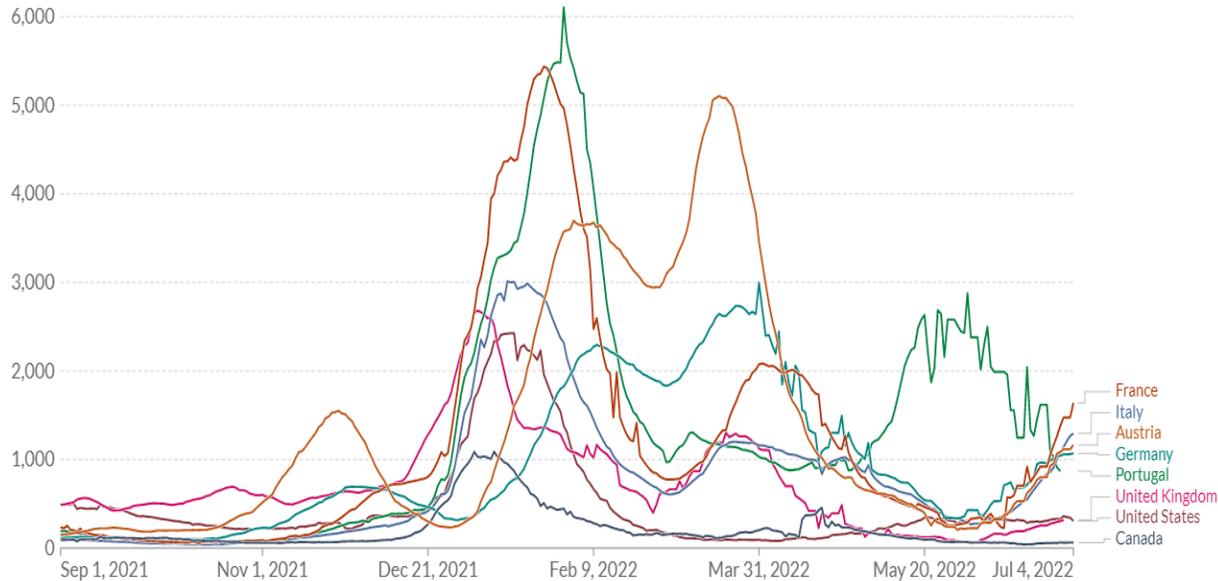
# Global and National Trends: BA.4 and BA.5 are causing resurgences

## Daily new confirmed COVID-19 cases per million people

7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.

Our World  
in Data

LINEAR LOG



**Globally, 550,725,753 cases and 6,340,776 deaths** (Data\* through 7/5/2022)

- Case rates for several European countries are increasing

**United States: Reported cases (7-day average) have increased over 7.4% since the prior week**<sup>†</sup>

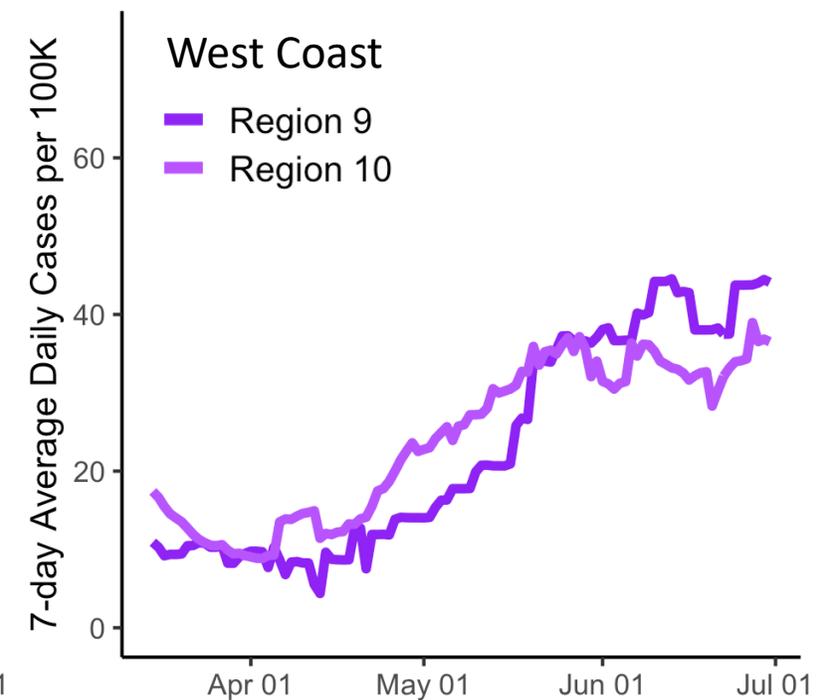
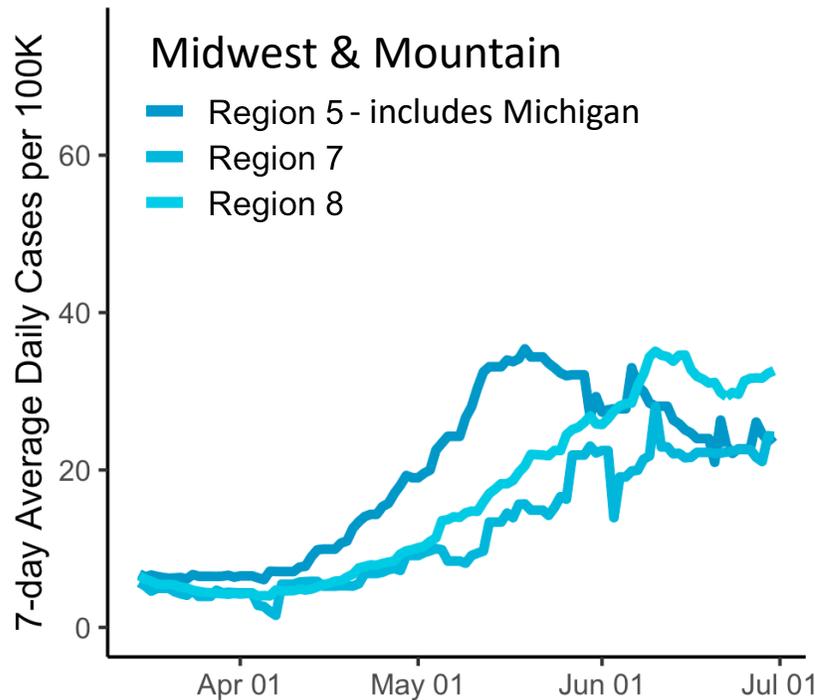
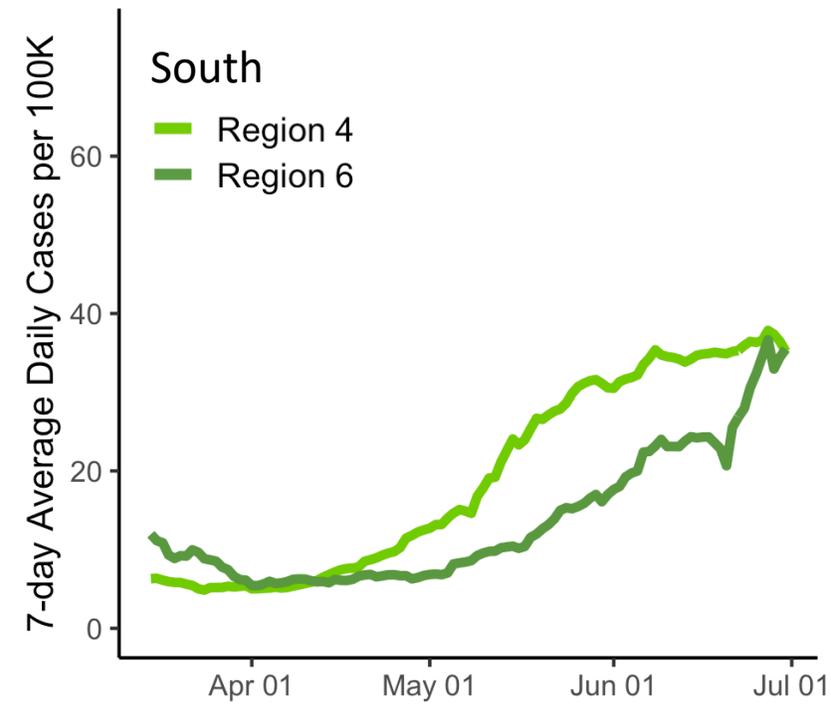
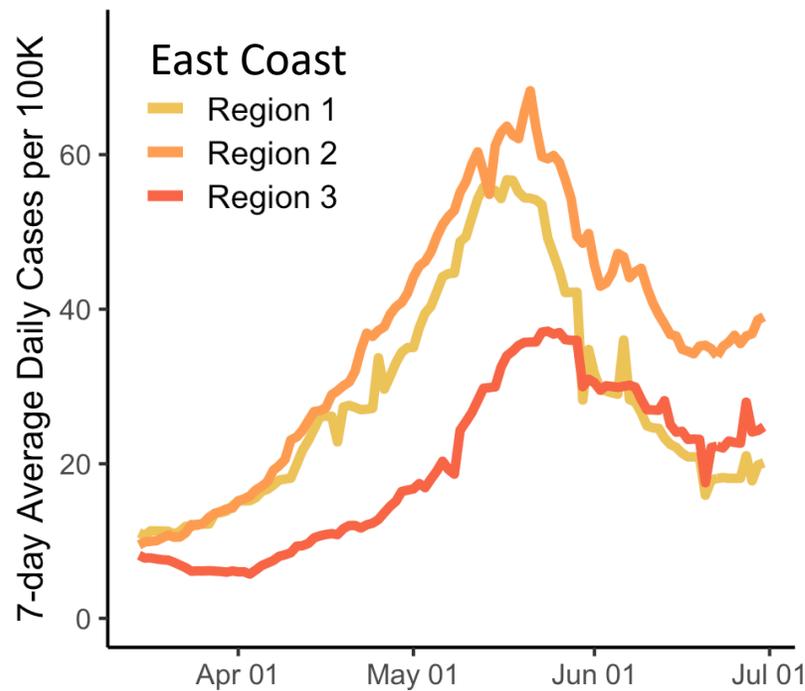
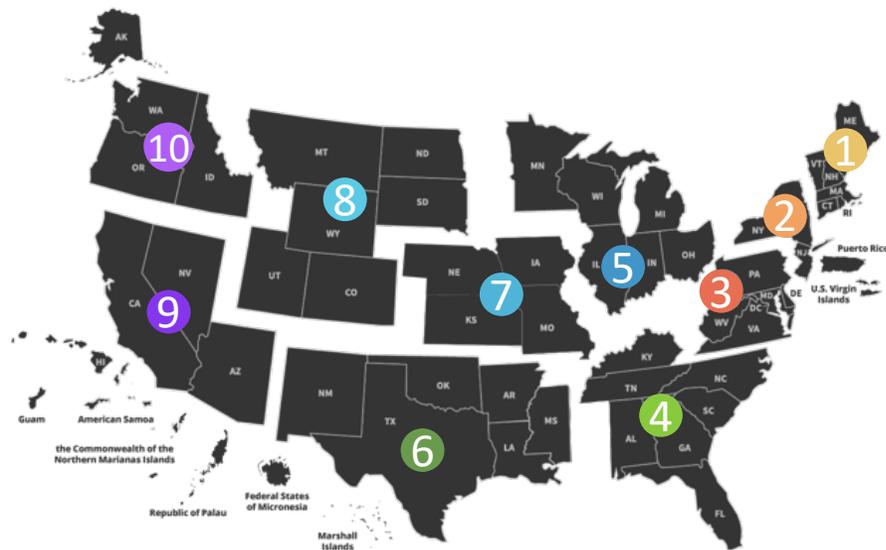
- In the U.S., the case rate is 232 cases/100,000 in last 7 days (last week: 216 cases per/100,000)

**Continued signs of plateaus in some parts of Region 5 (Midwest) states, including Michigan**

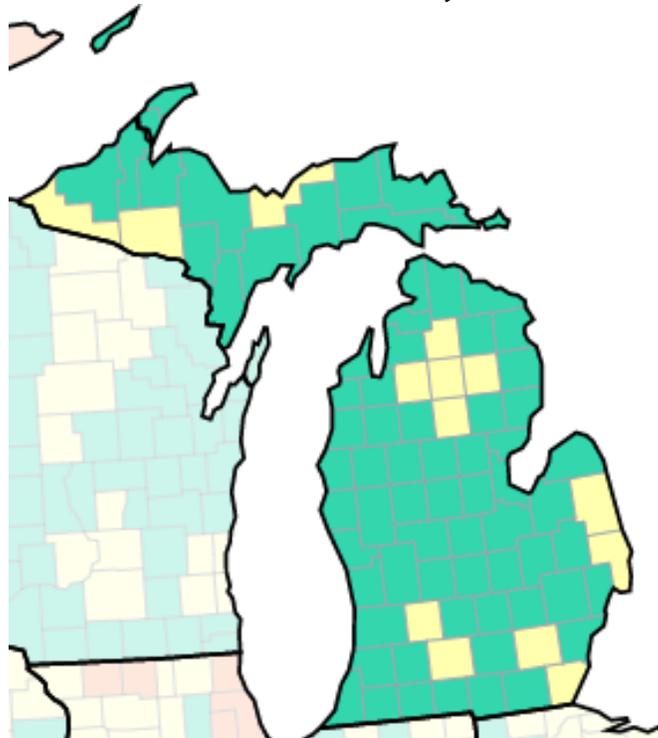
- Illinois and Wisconsin have the highest case rates in Region 5 (6/27)

# Cases are increasing or plateaued in all regions of the US

- Increases in the South & West Coast Regions
- Plateau or increases in the East Coast & Midwest/Mtn Regions



# As of June 30, No Michigan Counties at High COVID-19 Community Level



- In the US, 20% of counties have high risk for medically significant disease and healthcare strain
- 0% of Michigan residents reside in a county with a High COVID-19 Community Level
- 14 Michigan counties are currently at Medium level (17%). This represents 10% of the population.
- 69 Michigan counties are currently at Low level (83%). This represents 90% of the population.

## Percent of Counties

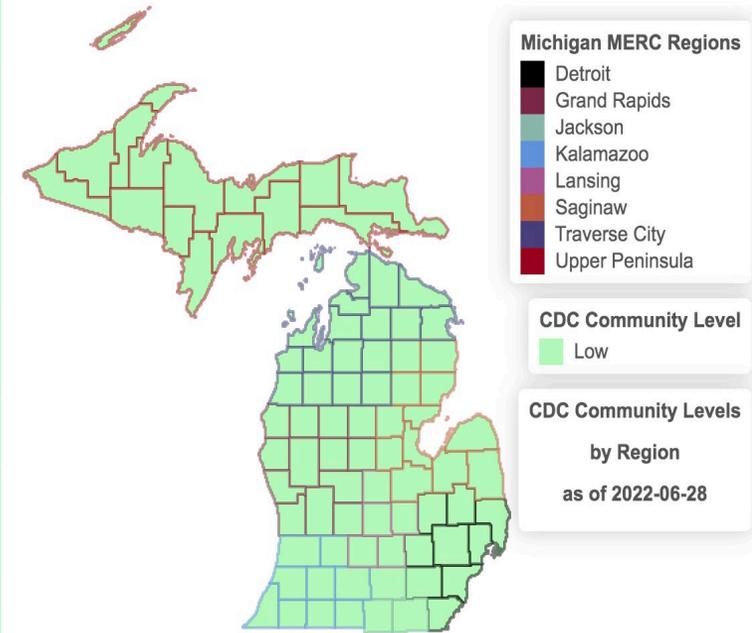
|        | United States | Michigan | Percent of MI Population |
|--------|---------------|----------|--------------------------|
| Low    | 45%           | 83%      | 90%                      |
| Medium | 35%           | 17%      | 10%                      |
| High   | 20%           | 0%       | 0%                       |

| Low   | Medium   | High  |
|---|--|---|
| <ul style="list-style-type: none"> <li>• Stay <a href="#">up to date</a> with COVID-19 vaccines</li> <li>• <a href="#">Get tested</a> if you have symptoms</li> </ul> | <ul style="list-style-type: none"> <li>• If you are <a href="#">at high risk for severe illness</a>, talk to your healthcare provider about whether you need to wear a mask and take other precautions</li> <li>• Stay <a href="#">up to date</a> with COVID-19 vaccines</li> <li>• <a href="#">Get tested</a> if you have symptoms</li> </ul> | <ul style="list-style-type: none"> <li>• Wear a <a href="#">mask</a> indoors in public</li> <li>• Stay <a href="#">up to date</a> with COVID-19 vaccines</li> <li>• <a href="#">Get tested</a> if you have symptoms</li> <li>• Additional precautions may be needed for people <a href="#">at high risk for severe illness</a></li> </ul> |

## CDC Community Levels

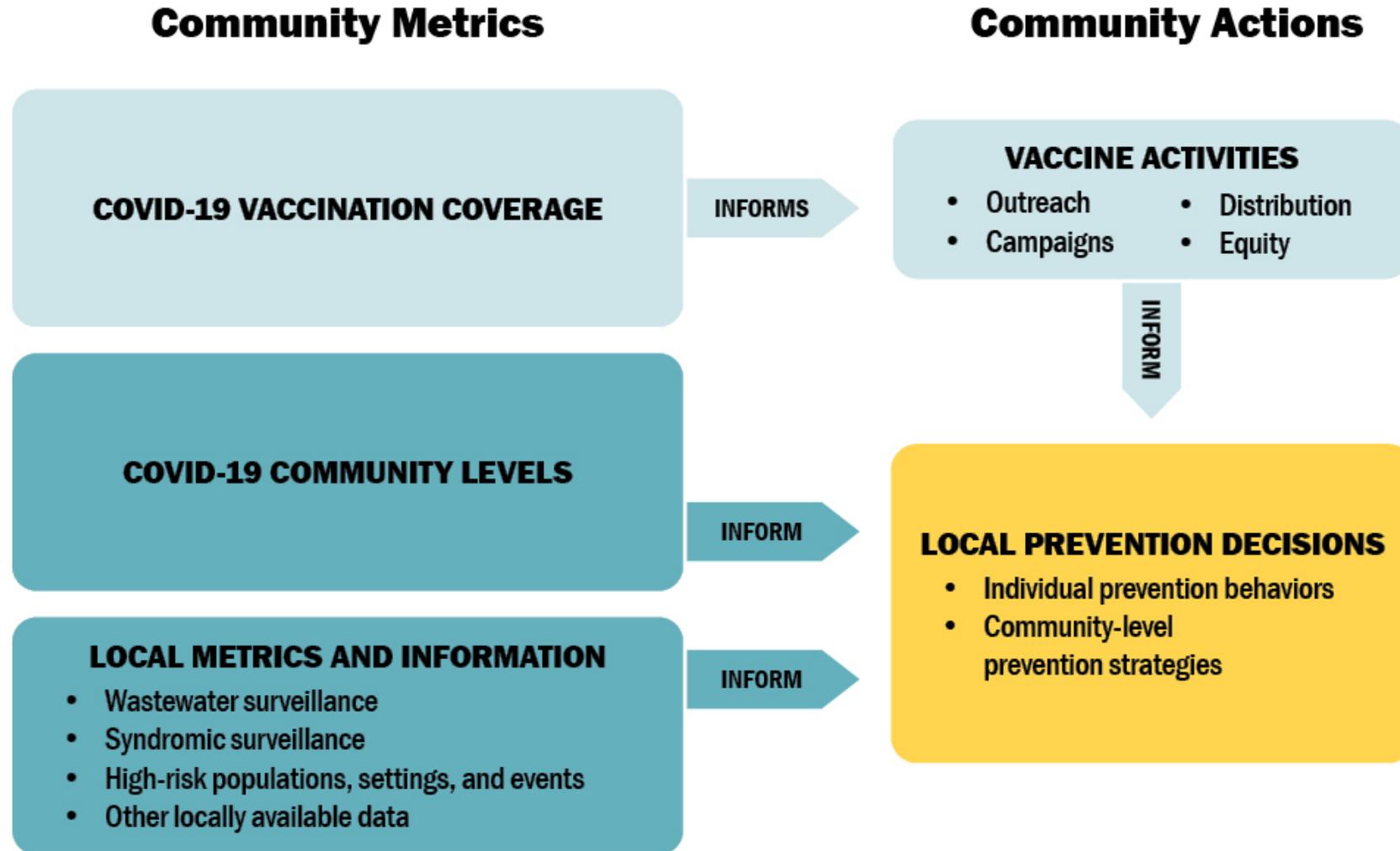
Michigan Region & State as of 2022-06-28

|   |                           | <b>New COVID-19<br/>Cases per 100K<br/>in previous 7 days</b> | <b>Percent Inpatient Beds<br/>Occupied by COVID-19<br/>Patients (7-day Avg.)</b> | <b>New COVID-19 Hospital<br/>Admissions per 100K<br/>in previous 7 days</b> | <b>CDC Community<br/>Level</b> |
|---|---------------------------|---|--|---|--------------------------------|
| 1 | Detroit Region            | 139.0   | 3.2%   | 8.5   | Low                            |
| 2 | Grand Rapids<br>Region    | 104.1   | 3.7%   | 7.8   | Low                            |
| 3 | Kalamazoo<br>Region       | 131.9   | 4.2%   | 6.8   | Low                            |
| 4 | Saginaw Region            | 90.2  | 3.1%   | 6.4   | Low                            |
| 5 | Lansing Region            | 127.6   | 4.9%   | 5.9   | Low                            |
| 6 | Traverse City<br>Region   | 97.0  | 3.2%   | 8.8   | Low                            |
| 7 | Jackson Region            | 109.7   | 3.1%   | 5.0   | Low                            |
| 8 | Upper Peninsula<br>Region | 125.8   | 2.6%   | 6.0   | Low                            |
| 9 | State                     | 127.6   | 3.3%   | 7.8   | Low                            |

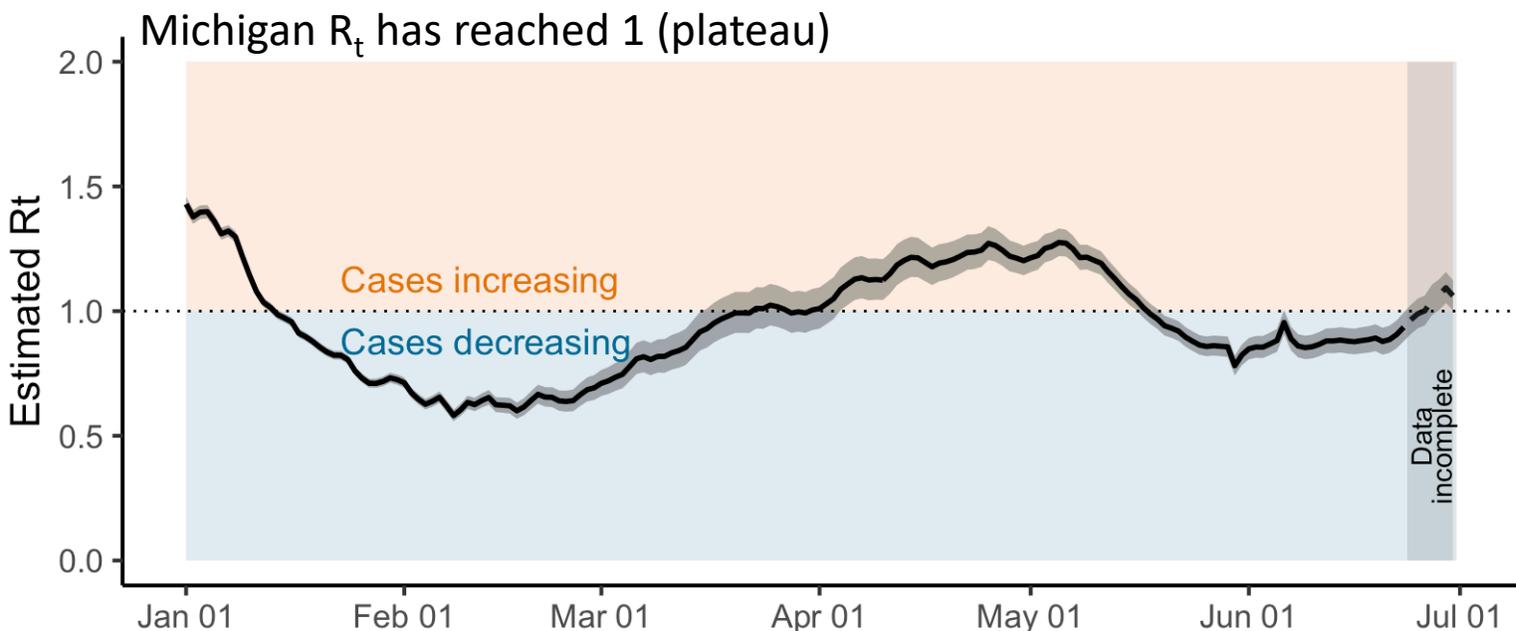


CDC Methodology is followed, though only state available data is applied.

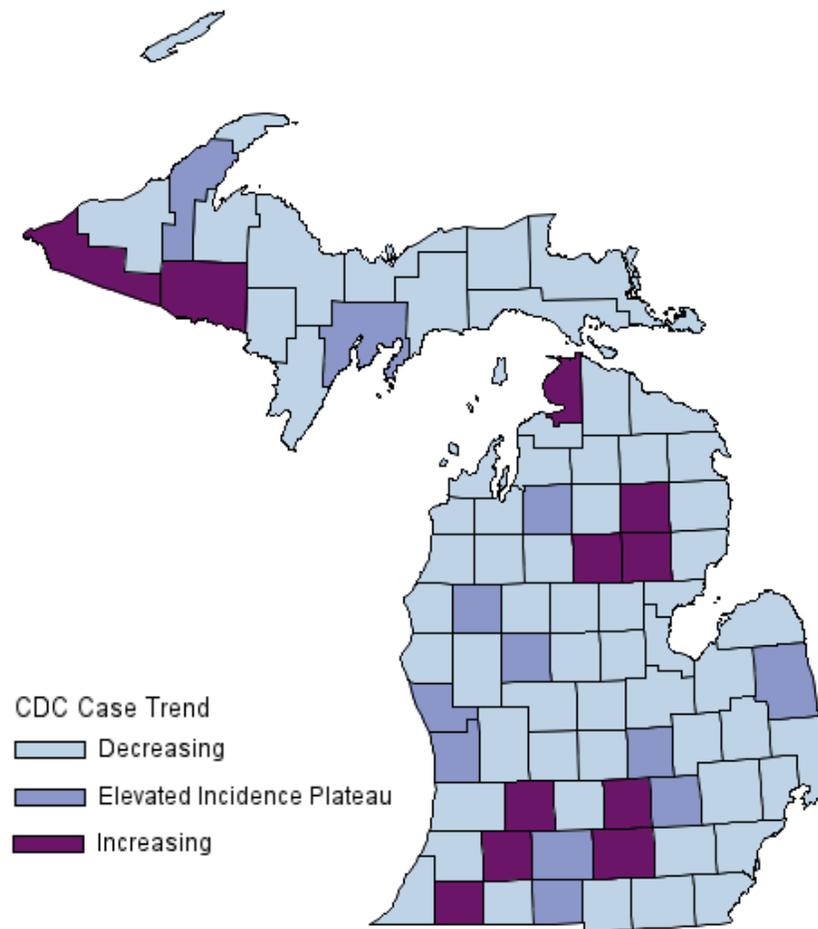
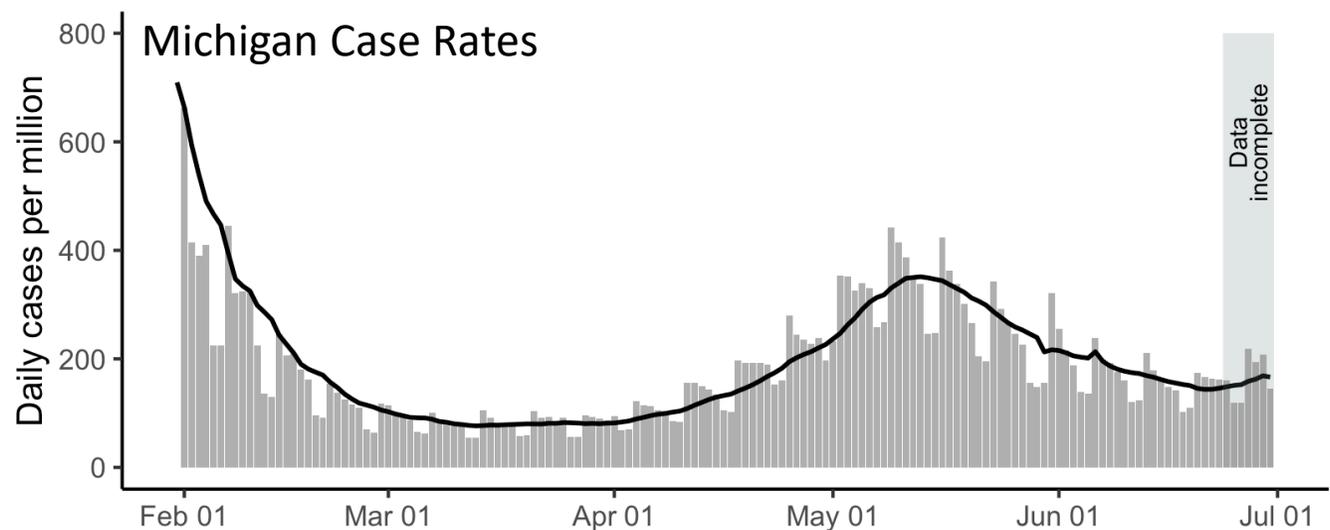
# Local Prevention Decisions Should Use Community Levels in Concert with Other Pandemic Indicators



# Case rates are plateaued in Michigan, and are showing some signs of potential increase

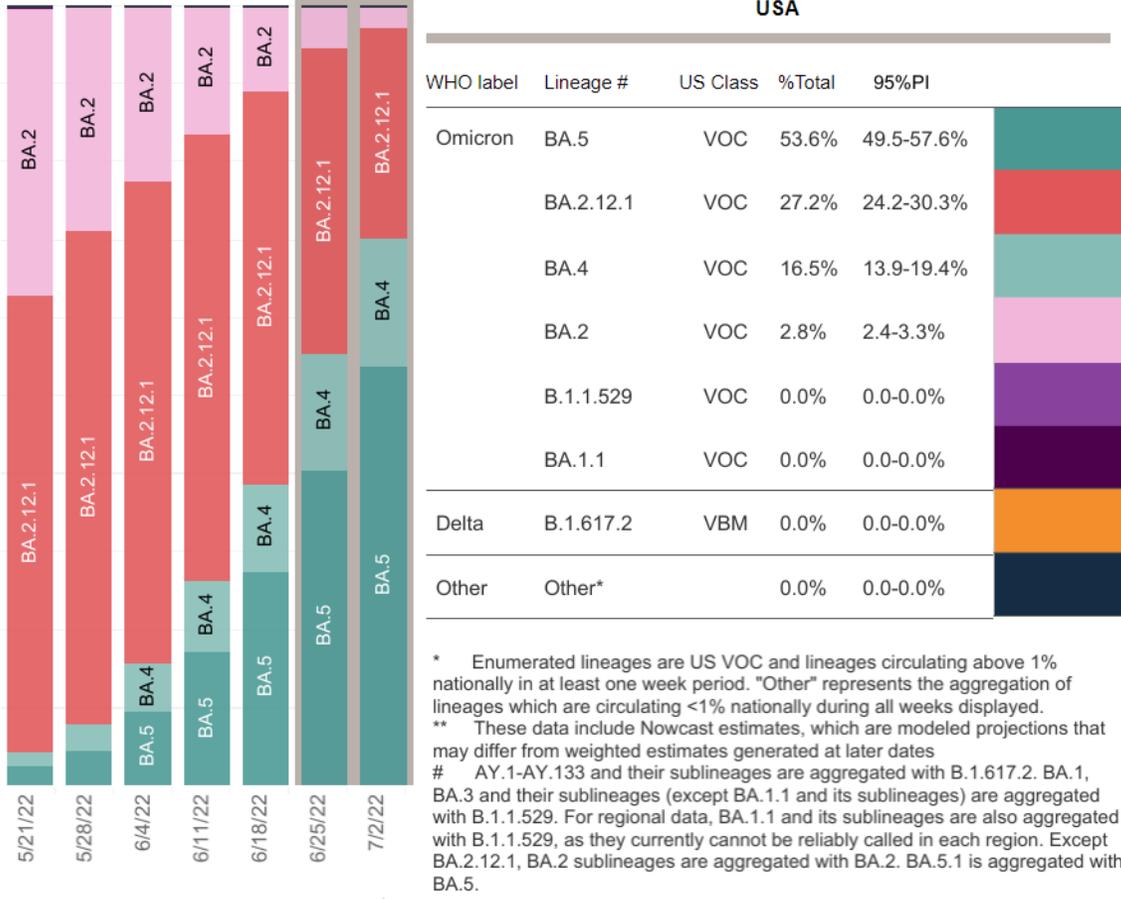


11 counties currently showing increases and 12 in elevated incidence plateaus (via [mistartmap.info](https://mistartmap.info) as of 6/27/22, data through 6/20/22).

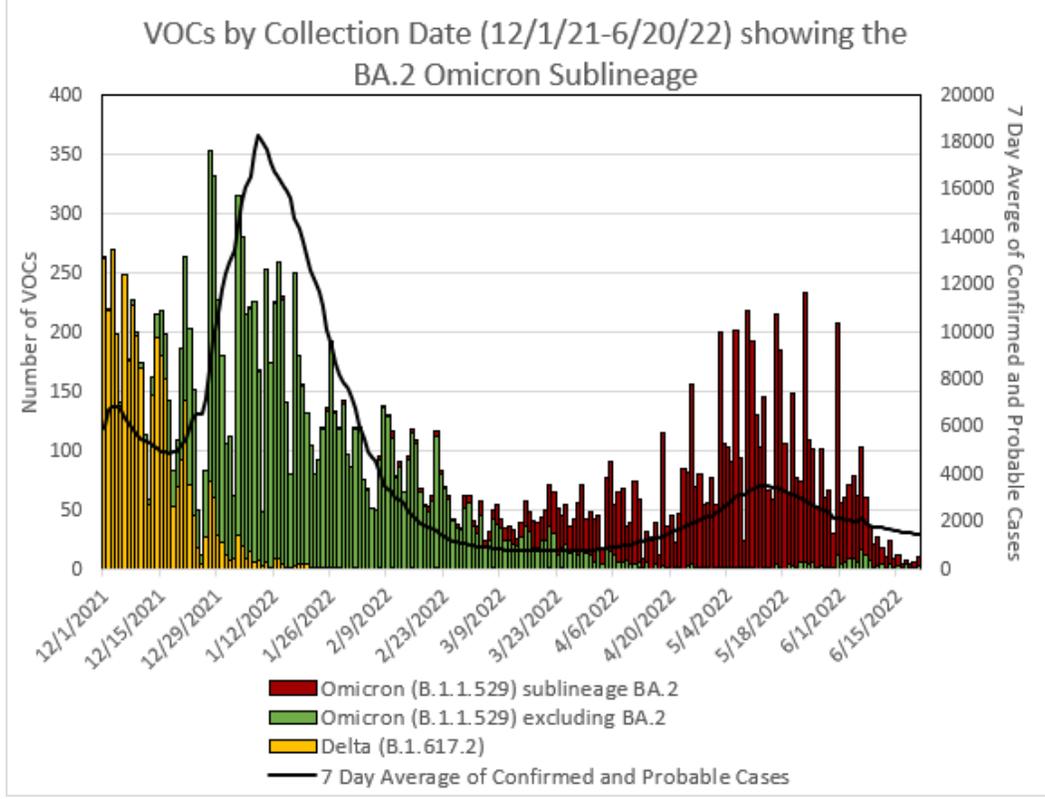


# Identified COVID-19 Cases Caused by Variants of Concern (VOC) in US and Michigan

## SARS-CoV-2 Variants Circulating in the United States, May 15 – Jul 2 (NOWCAST)



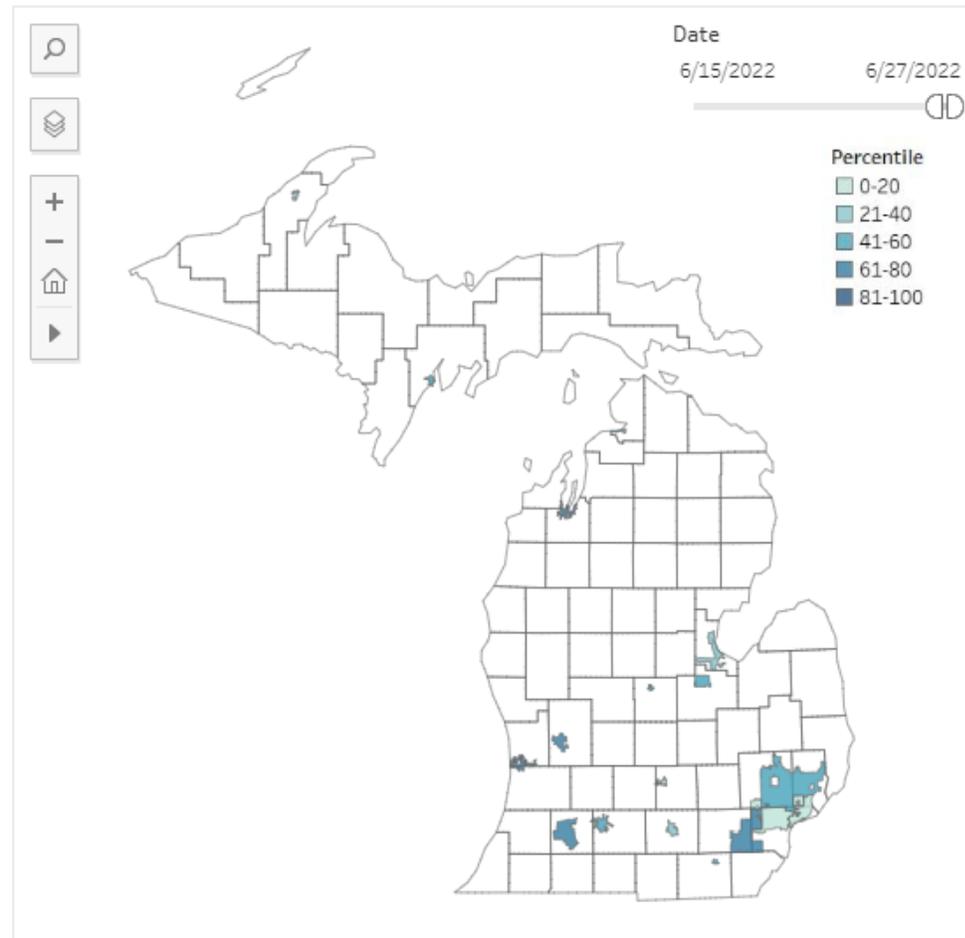
## VOC Distribution in Michigan



- Since May 15, there have 2,589 VOC specimens sequenced
- 100% of specimens sequenced are Omicron
  - A majority of those are BA.2 (93.5%)
  - The fraction of specimens identified as BA.4 (n=76) and BA.5 (n=95), and recombinant is increasing

# Michigan COVID-19 SWEEP Sentinel Wastewater Dashboard

The map below shows 20 sewershed sites in Michigan where wastewater is being monitored for the presence of SARS-CoV-2, the virus that causes COVID-19. These sentinel sites serve as a subset of wastewater surveillance in Michigan distributed across the Michigan Economic Recovery Council (MERC) Regions. Click on each site on the map to see wastewater and clinical case data over time. In the top right corner of the map, slide the white buttons to select the time period for which the site-specific percentile is calculated.



| Site                         | Sewershed Population | Consecutive Weeks of Virus Detection | Trend As Of | 15-Day Trend |
|------------------------------|----------------------|--------------------------------------|-------------|--------------|
| Alma WWTP                    | 8976                 | 10                                   | 6/20/2022   | ↓            |
| Battle Creek WWTP            | 51093                | 10                                   | 6/22/2022   | ↔            |
| Bay City WWTP                | 34000                | 1                                    | 6/22/2022   | ↓            |
| Delhi Township WWTP          | 22500                | 12                                   | 6/16/2022   | ↓            |
| Escanaba WWTP                | 12600                | 8                                    | 6/22/2022   | ↓            |
| GLWA Detroit River Interce.. | 492000               | 87                                   | 6/15/2022   | ↓            |
| GLWA North Interceptor-      | 1482000              | 64                                   | 6/15/2022   | ↔            |
| GLWA Oakwood-                | 840600               | 87                                   | 6/15/2022   | ↓            |
| Northwest..                  | 265000               | 46                                   | 6/23/2022   | ↑            |
| Grand Rapids WWTP            | 45606                | 10                                   | 6/22/2022   | ↓            |
| Holland WWTP North           | 36912                | 12                                   | 6/22/2022   | ↓            |
| Holland WWTP South           | 90000                | 49                                   | 6/23/2022   | ↓            |
| Jackson WWTP                 | 150000               | 13                                   | 6/23/2022   | ↑            |
| Kalamazoo WWTP               | 7900                 | 10                                   | 6/23/2022   | ↑            |
| Petoskey WWTP                | 14000                | 41                                   | 6/22/2022   | ↓            |
| Portage Lake WWTP            | 40000                | 11                                   | 6/22/2022   | ↑            |
| Saginaw Township WWTP        | 8680                 | 24                                   | 6/23/2022   | ↓            |
| Tecumseh WWTP                | 45000                | 16                                   | 6/27/2022   | ↑            |
| Traverse City WWTP           | 135000               | 9                                    | 6/16/2022   | ↓            |
| Warren WWTP                  | 330000               | 49                                   | 6/23/2022   | ↑            |
| Ypsilanti WWTP               |                      |                                      |             |              |

Abbreviations: GLWA - Great Lakes Water Authority; WWTP - Waste Water Treatment Plant

Definitions and descriptions of data calculations can be found in the "About" tab.

Current results reflect data that were uploaded to MDHHS as of 6/29/2022. Labs are required to report test results to local partners within 24 hours. Data is subject to change as additional wastewater data and case data are received.

### 15-Day Trends

- ↑ 1000% or more
- ↑ 100% to 999%
- ↑ 10% to 99%
- ↔ 0% to 9%
- ↓ -1% to -9%
- ↓ -10% to -99%
- ↓ -100% to -999%
- ↓ -1000% or more

## SWEEP Summary

- 30% (6/20) of sentinel sites are showing increasing trends over last 15-days
- 10% (2/20) of sites have plateaued over the last 15 days
- 60% (12/20) of sentinel sites are showing declines in the previous 15-days

# Interpreting Wastewater Should Be In Context with Other Indicators

- When levels of virus in wastewater are low, a modest increase overall in virus level can appear much larger as numbers are translated into percentages
  - This does not necessarily mean we will see major increases in transmission in the community
- When increases are seen within one wastewater site, public health officials compare with neighboring communities and other data sources to understand potential of surges
  - For example, the Ypsilanti WWTP saw increases in SARS-CoV-2 levels which correlated with increasing presence of Omicron BA.2 lineage and then followed by an increase in cases

## Ypsilanti WWTP

The most recent sample concentration is higher than 84% of samples collected at this site, which puts it in the 81-100 percentile category. As of 5/10/2022, the change in viral concentration over the past 15 days is increasing.

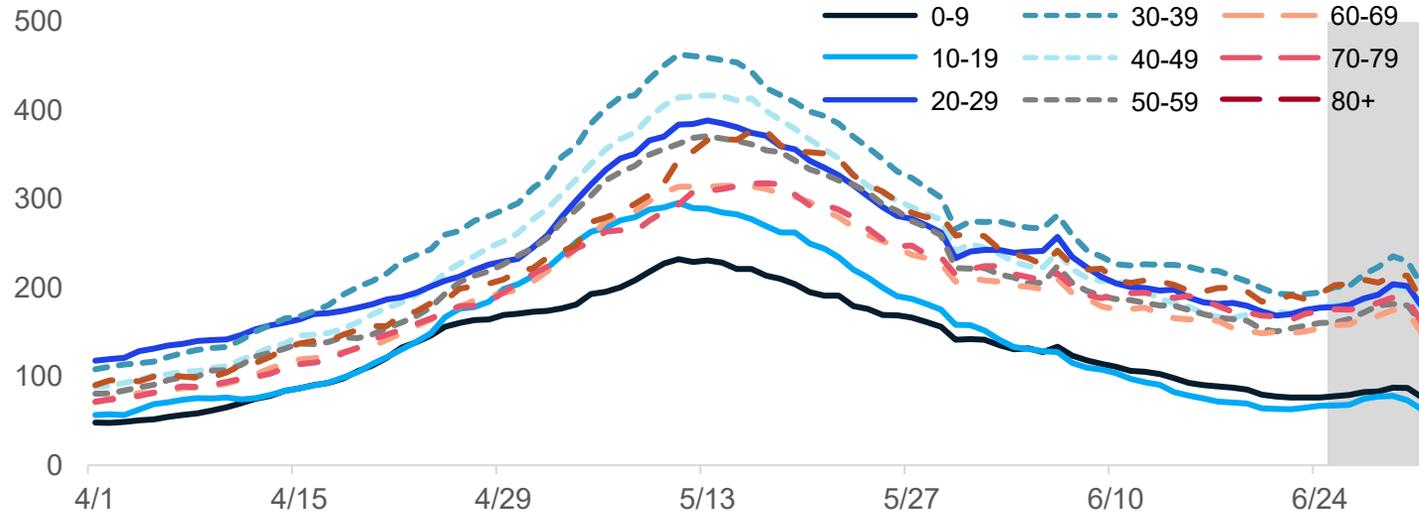
Wastewater SARS-CoV-2 Levels and COVID-19 Cases



The blue line on the graph shows the levels of SARS-CoV-2, the virus that causes COVID-19, in the wastewater samples collected from Ypsilanti WWTP. Each data point is calculated by averaging the number of viral gene copies detected per 100mL of wastewater in the 3 most recent samples. The orange bars on the graph show the COVID-19 cases reported to MDHHS from the zip codes that the wastewater treatment plant serves (7-day average). Both the virus levels and COVID-19 cases are calculated per 100,000 people. Case data will not be shown on the graph when the average number of cases is fewer than 10 per 100,000 people to protect the confidentiality of individuals with infections. This will be represented by an orange dashed line with gray shading below.

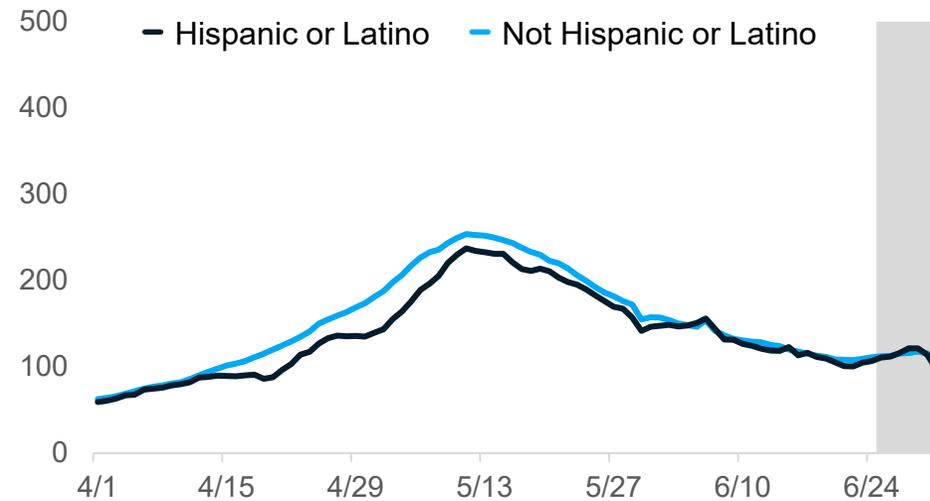
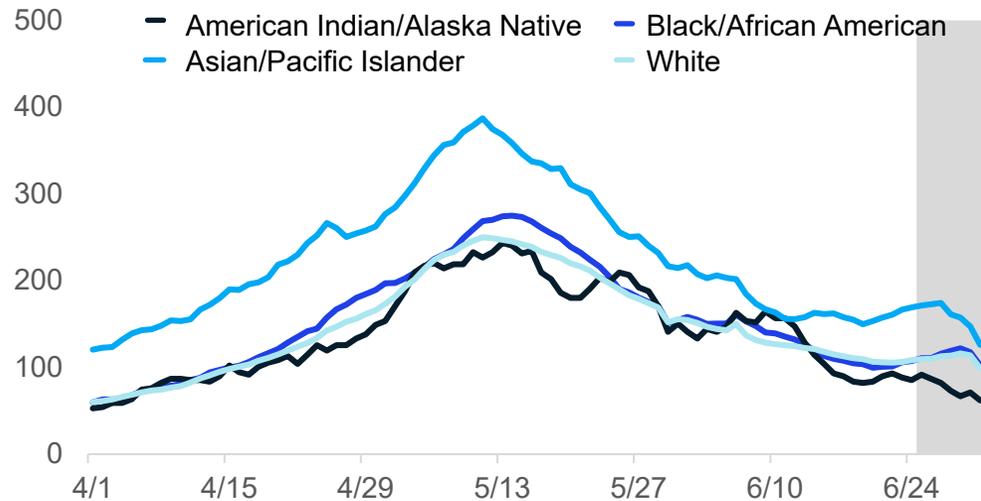
# Case rates by age, race, and ethnicity show mixed trends

## Daily new confirmed and probable cases per million by age group (7-day rolling average)



- Case rates by onset date for all age groups are between 67.3 and 195.0 cases per million (through 6/24)
- Case counts and case rates are highest for 30-39-year-olds this week, followed by 80+-year-olds and the 40-49-year age groups

## Daily new confirmed and probable cases per million (7 day rolling average) by race & ethnicity category



- Case rates are highest for Asian/Pacific Islander populations (169.1 cases/million)
- Between 21-26% of cases in last 30 days have missing race/ethnicity data

Note: Case information sourced from MDHHS and reflects date of onset of symptoms  
 Source: MDHHS – Michigan Disease Surveillance System

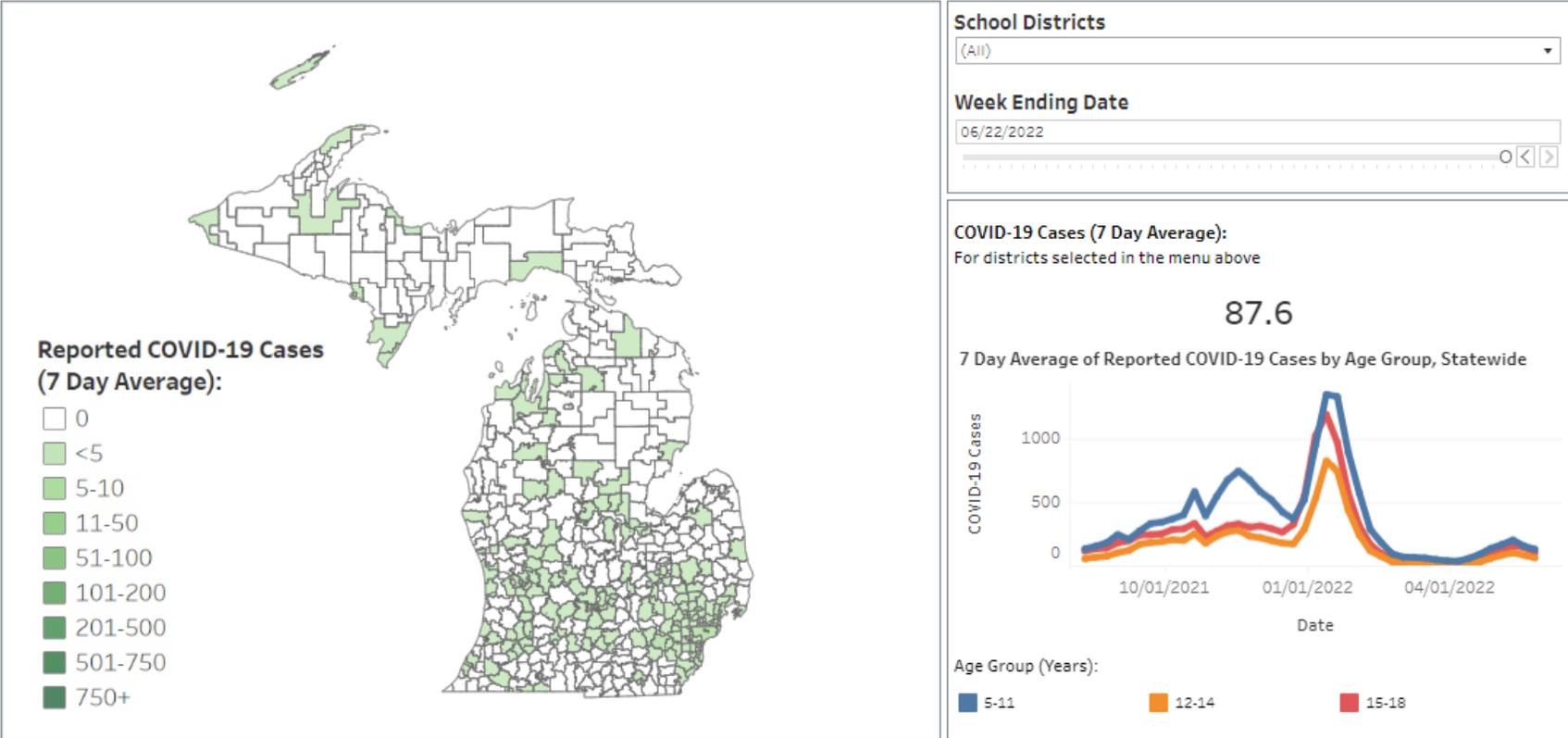
# New MDHHS dashboard shows cases among K-12 age individuals by ISD & School District

- Case rates among school-aged populations show signs of decline along with other age groups
- Interactive dashboard is available & updated weekly at <https://www.michigan.gov/coronavirus/stats/k-to-12-aged-isd-reporting>

Intermediate School Districts | School Districts | About

## Michigan School District COVID-19 Case Reporting

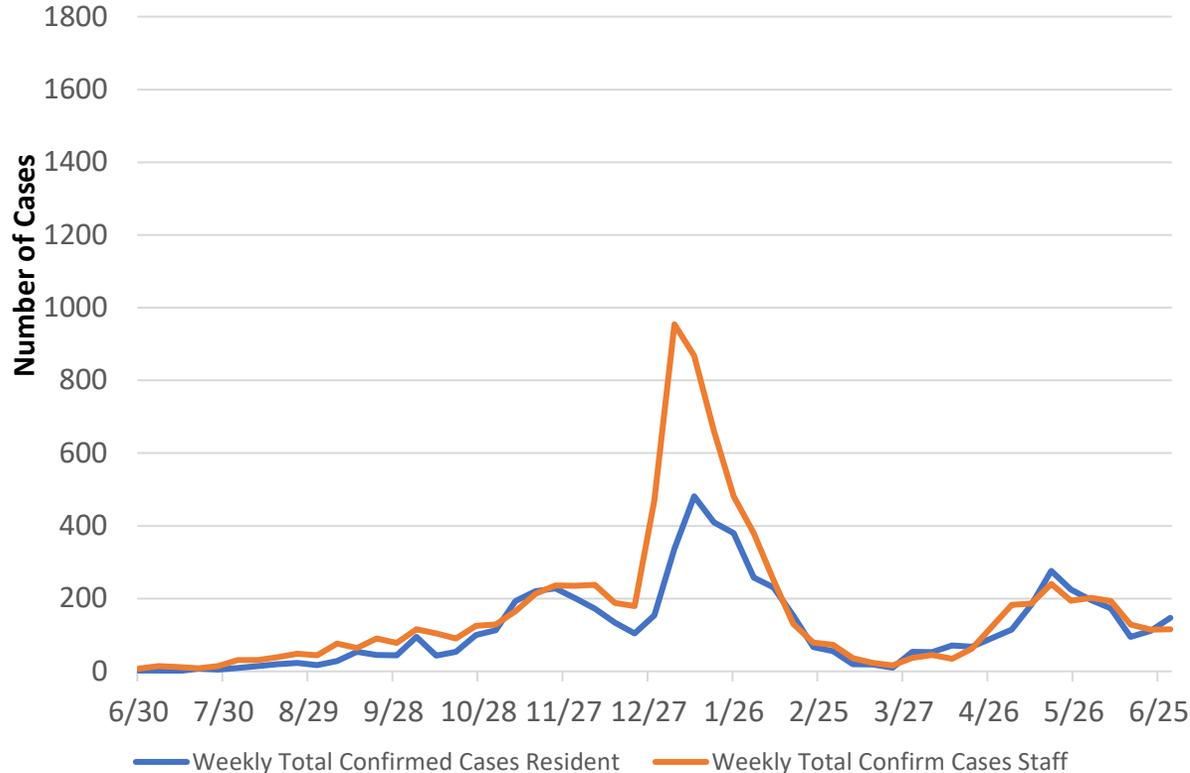
The map below displays the 7-day average of newly reported COVID-19 cases for school aged residents (ages 5 to 18 years) by their Michigan school district. The geocoding is based on the residential address on record and not the student's enrollment. The 7-day case average for the defined date range can be viewed by hovering over the jurisdiction on the map or by selecting the school district from the drop down list in the right panel. Adjusting the date scale will change the 7-day average on the map for the selected date.



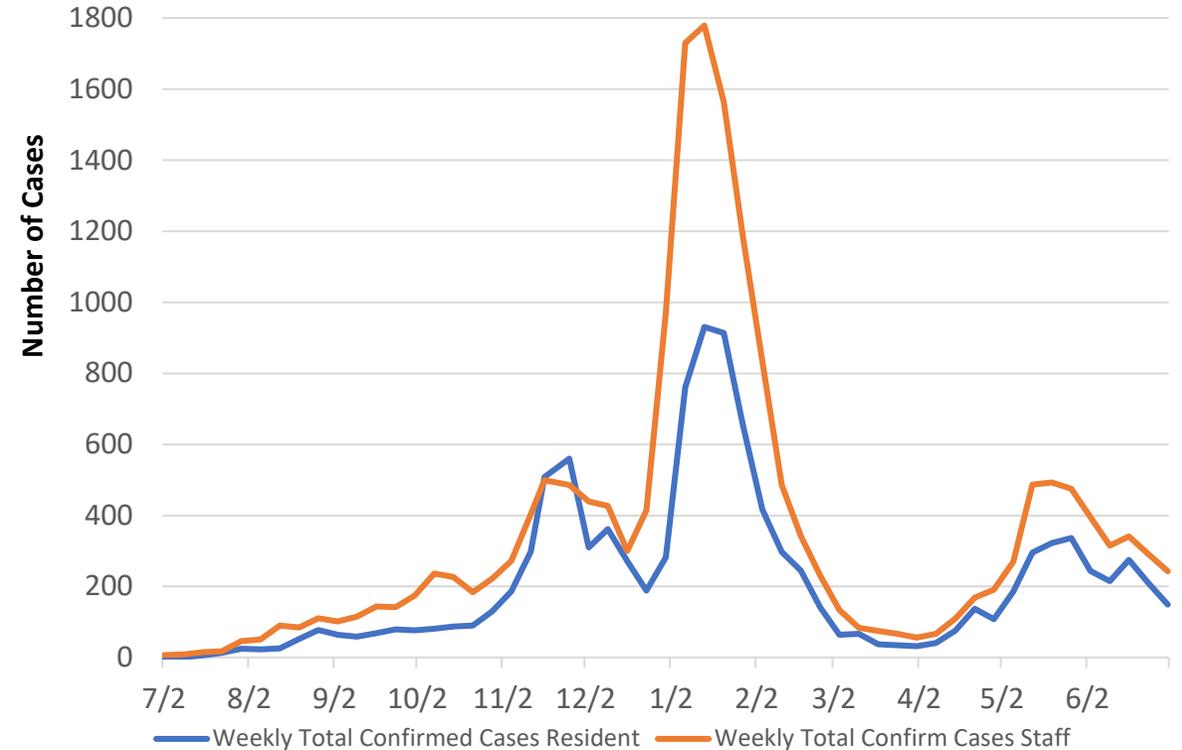
Data Source: Michigan Disease Surveillance System (MDSS)  
Last Updated: 6/28/2022

# Cases Among Staff and Residents Experienced Signs of Plateaus and Decreases in Long Term Care Facilities

STATE OF MICHIGAN WEEKLY TOTAL CONFIRMED COVID-19 CASES IN AFC/HFA RESIDENTS AND STAFF 06/30/2021 TO 06/29/2022



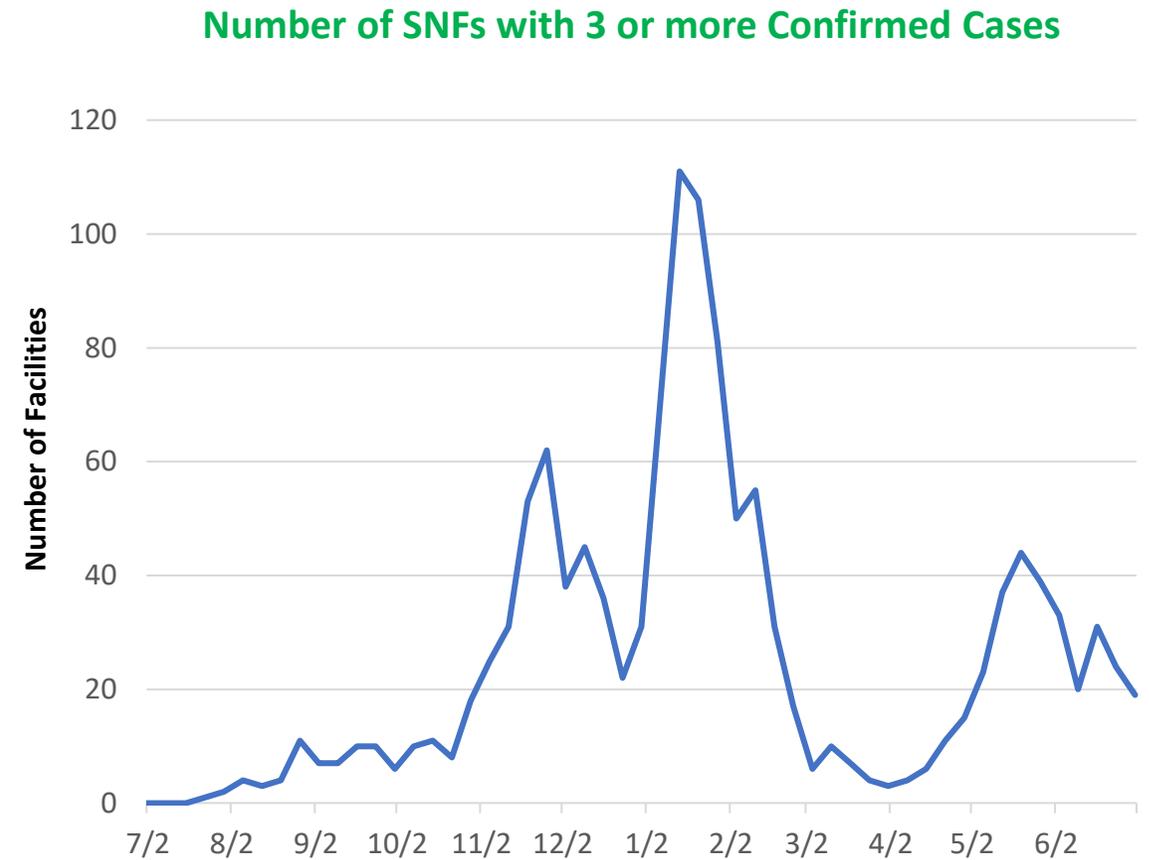
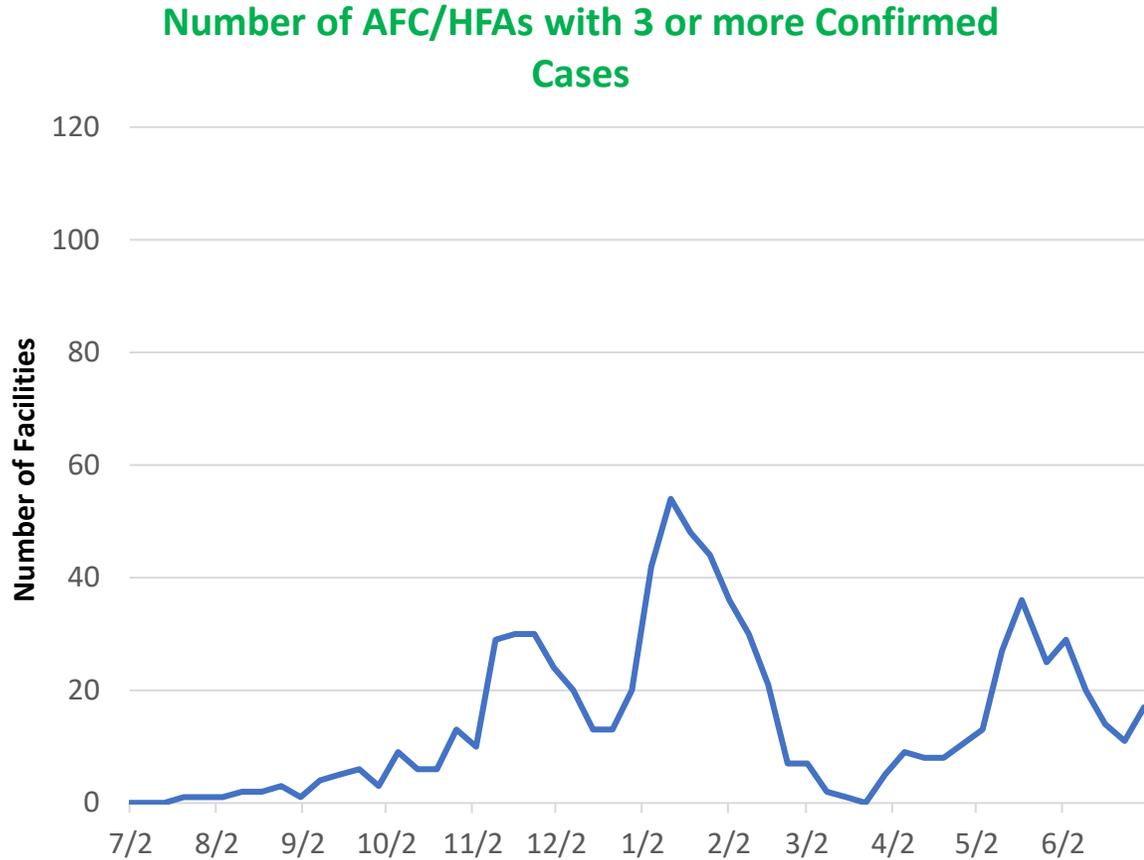
STATE OF MICHIGAN WEEKLY TOTAL CONFIRMED COVID-19 CASES IN SNF RESIDENTS AND STAFF 07/02/2021 TO 07/01/2022



- Case counts in residents increased in AFC/HFA (111 to 147) but decreased in SNFs (210 to 149) since last week
- Case counts in staff are plateaued within AFC/HFA (116 this week, 115 last week), and decreased in SNFs (291 to 243) since last week
- **30%** of SNFs are reporting **nursing shortages** and **31%** of SNFs are reporting **aide shortages**, which is stable from last week

Abbreviations: AFC: Adult Foster Care; HFAs: Homes for the Aged; and SNF: Skilled Nursing Facilities

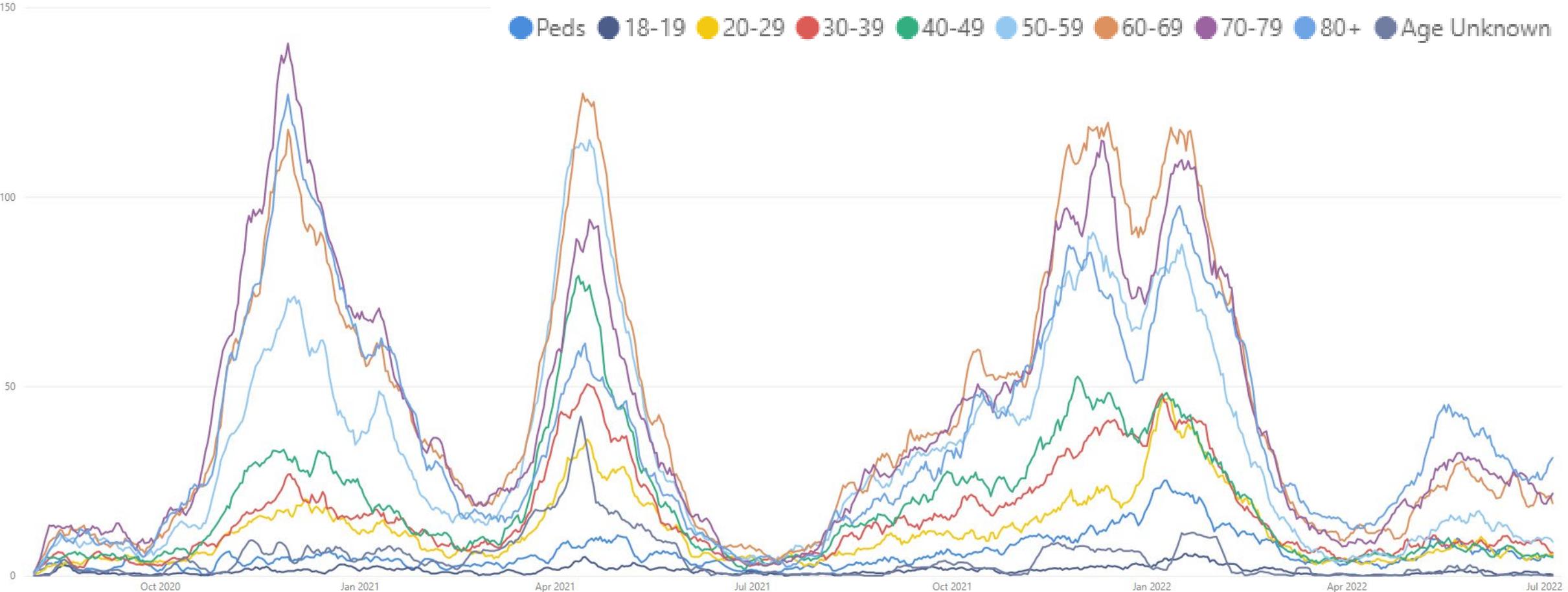
# Reported Number of Outbreaks in Long Term Care Facilities are Decreasing



- The number of Long-Term Care Facilities reporting 3 or more cases within a single reporting period increased in **AFC/HFA** from 11 to 17; and decreased in **SNF** from 24 to 19 in most recent data.

The data is from weekly reporting by facilities with bed occupancy of at least 13 beds.

# Hospital admissions due to COVID-19 remain lower than past surges



- Trends for daily average hospital admissions saw a plateau (+1%) since last week (vs. -8% prior week)
- Most reported age groups were steady this week compared to last week
- Those 60-69, 70-79, and 80+ are seeing between 20-30 daily hospital admissions

Source: CHECC & EM Resource

# Hospital Admissions and Admission Rates by Age Group

Daily new hospital admission per million by age group (7-day rolling average)

| Age Group     | Average† daily number of hospital admissions | Average† Daily Hospital Admission Rate* | One Week % Change (Δ #) |
|---------------|--|---|-------------------------|
| 0-11          | 3.1  | 2.3                                     | -12% (-<1)              |
| 12-17         | 2.0  | 2.7                                     | +250% (+1)              |
| 18-19         | 0.4  | 1.6                                     | -57% (-1)               |
| 20-29         | 5.7  | 4.1                                     | +8% (+<1)               |
| 30-39         | 6.1  | 5.1                                     | -34% (-3)               |
| 40-49         | 5.1  | 4.4                                     | -8% (-<1)               |
| 50-59         | 9.7  | 7.2                                     | +1% (+<1)               |
| 60-69         | <b>21.0</b>                                  | <b>16.5</b>                             | +6% (+1)                |
| 70-79         | <b>20.7</b>                                  | <b>27.0</b>                             | -8% (-2)                |
| 80+           | <b>30.3</b>                                  | <b>73.1</b>                             | +17% (+4)               |
| <b>Total¶</b> | <b>104.3</b>                                 | <b>9.2</b>                              | <b>+1% (+1)</b>         |

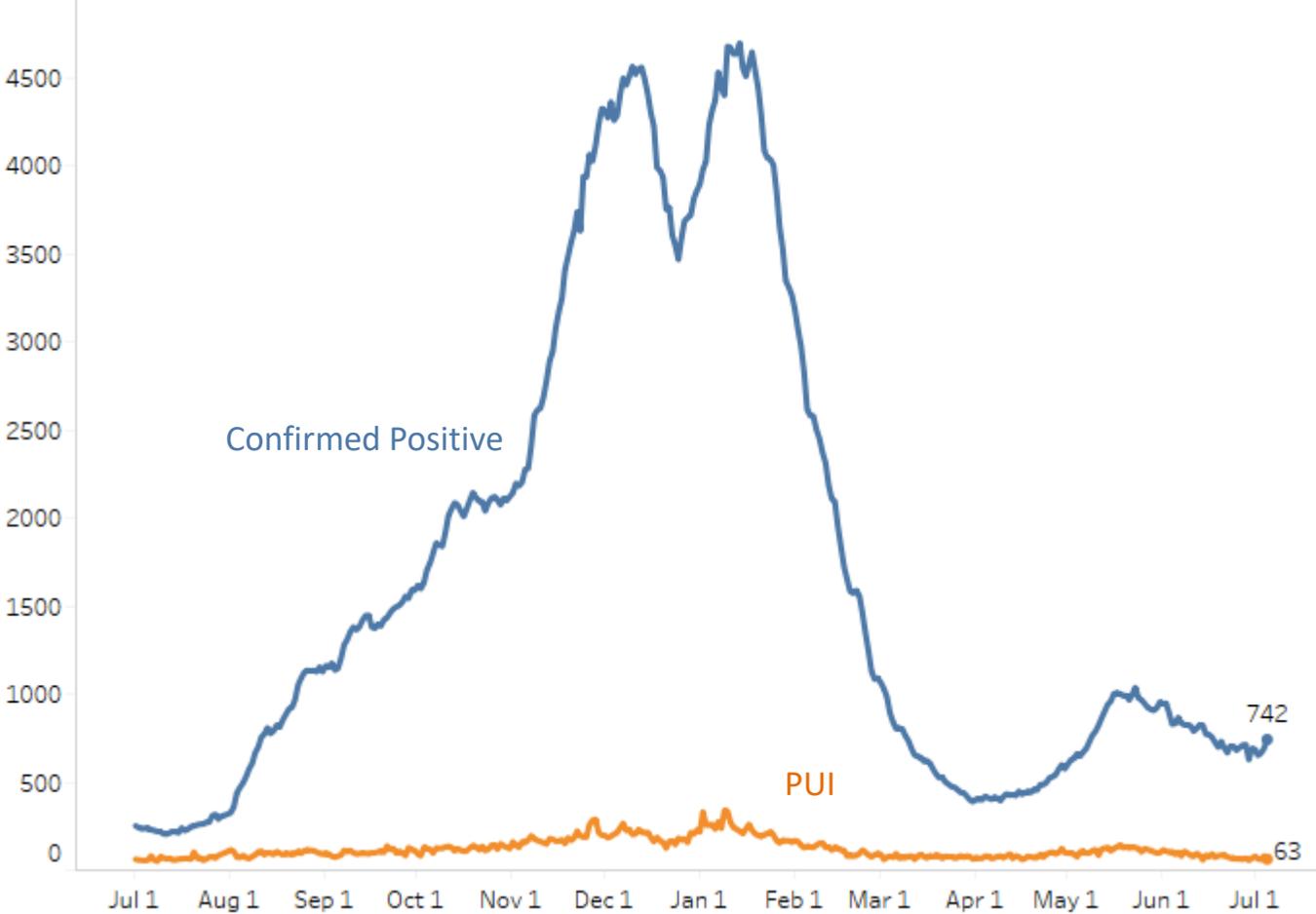
\* Rate per 1 million residents; † Rolling 7-day average; ¶ Total may not reflect state due to missing age data  
 Note: Hospital Admission data reflects date data was submitted  
 Source: CHECC and EM Resource

- Through July 4, there were an average of 104.3 hospital admissions per day due to COVID-19; a decrease from last week (+1%, +1)
- Most age groups saw a plateau over the past week
- Of the age groups with increases, none were more than an average of 4 additional hospital admissions per day (80+ years age group)
- Average daily hospital admission count (30.3 hospital admissions per day) and average daily hospital admission rate (73.1 hospital admissions/million) was highest among those aged 80+
- Those 60-69, 70-79, and 80+ are seeing between 20-30 daily hospital admissions

Note: for some age groups, small changes in number of hospitalization admissions can cause large change in One Week Percent Change

# Statewide Hospitalization Trends: Total COVID+ Census

Hospitalization Trends 7/1/2021 – 7/5/2022  
Confirmed Positive & Persons Under Investigation (PUI)



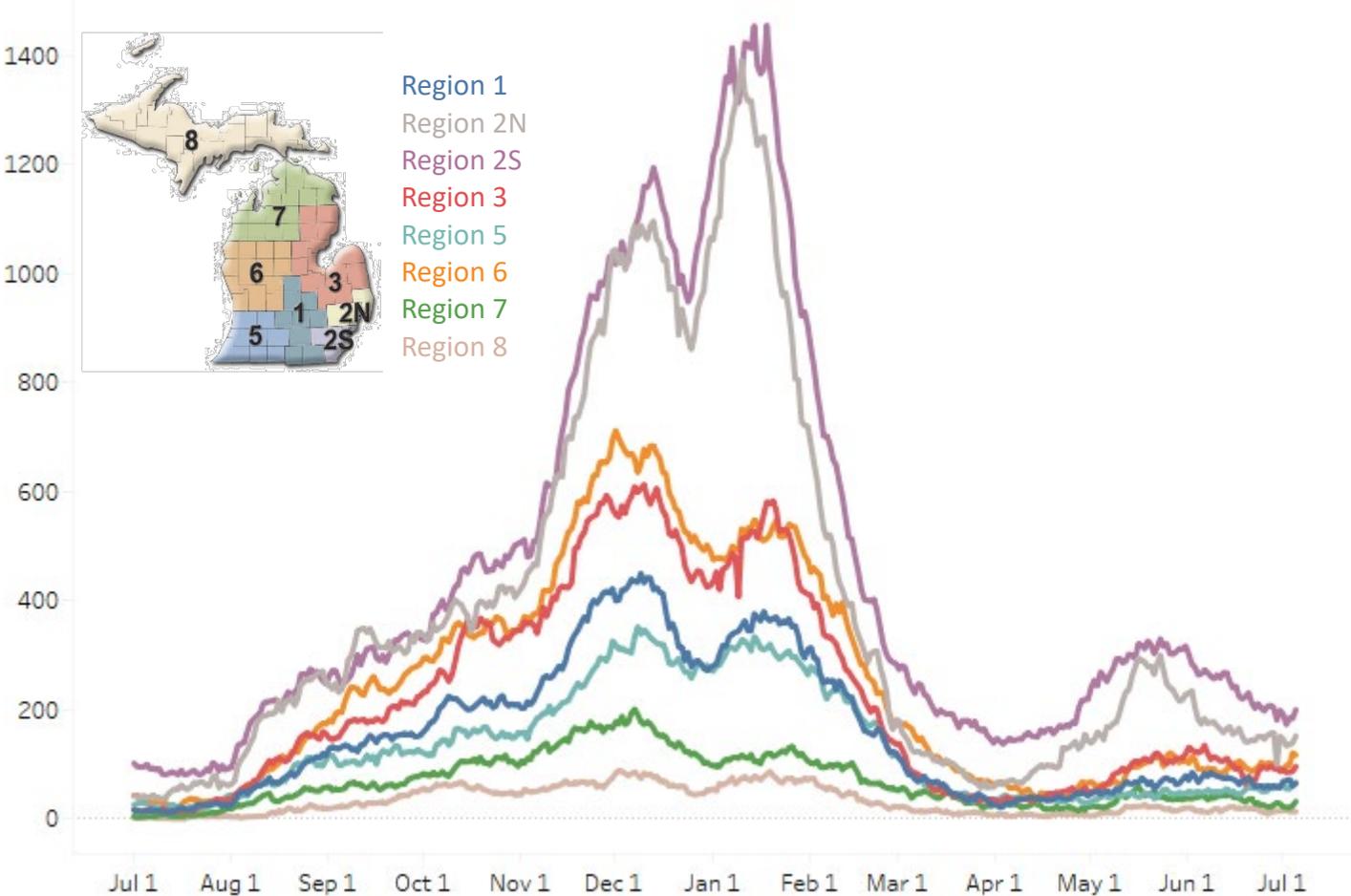
COVID+ census in hospitals has increased by 5% from last week (last week decreased 3% from the previous week). Overall census is currently 742 patients.

Hospitalized COVID Positive Long Term Trend (beginning March 2020)



# Statewide Hospitalization Trends: Regional COVID+ Census

Hospitalization Trends 7/1/2021 – 7/5/2022  
Confirmed Positive by Region



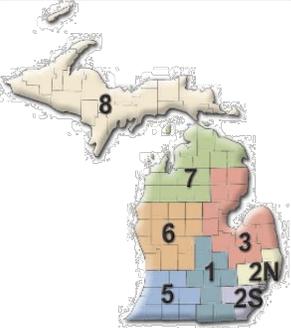
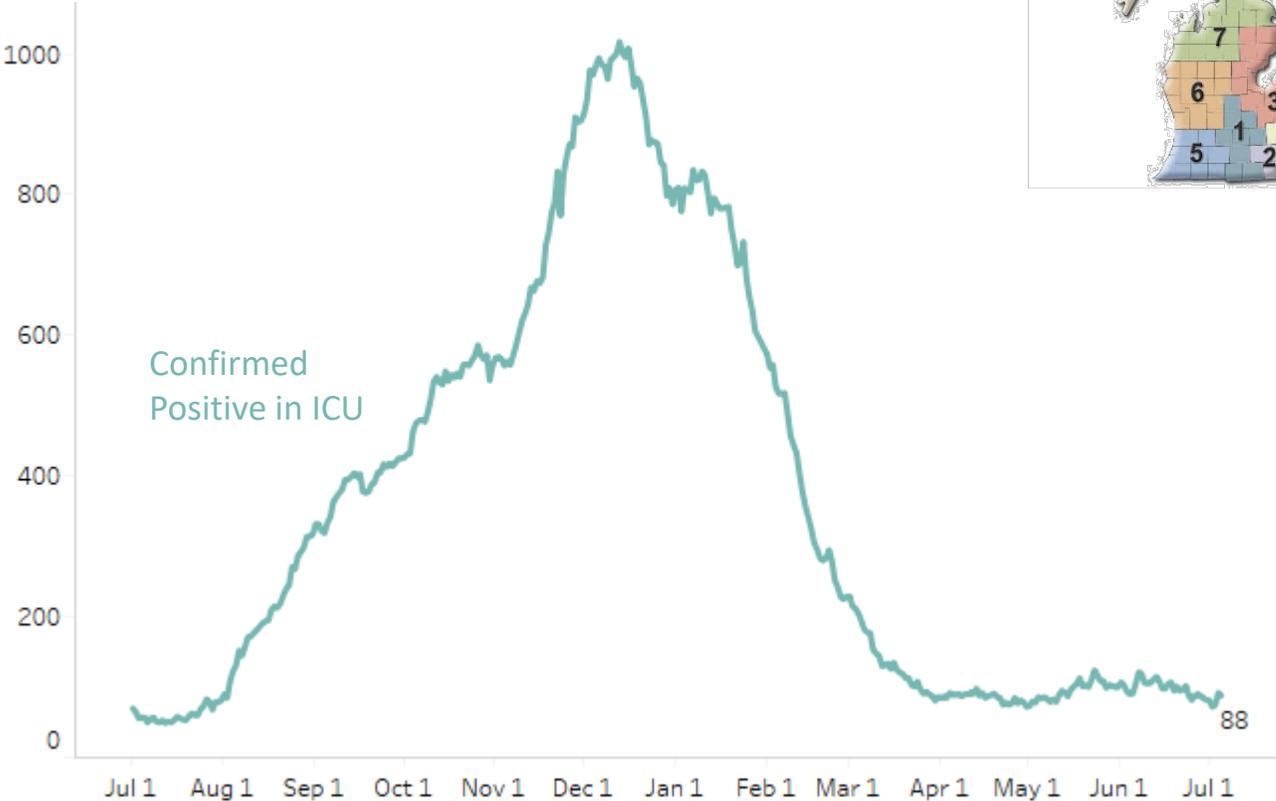
This week hospitalizations have decreased or remained flat in Regions 2N, 2S, and 3. Hospitalizations have increased in Regions 1, 5, 6, 7, and 8.

All regions have less than 100 hospitalizations/M.

| Region    | COVID+ Hospitalizations (% Δ from last week) | COVID+ Hospitalizations / MM |
|-----------|--|------------------------------|
| Region 1  | 65 (14%)                                     | 60/M                         |
| Region 2N | 152 (-3%)                                    | 69/M                         |
| Region 2S | 200 (-4%)                                    | 90/M                         |
| Region 3  | 96 (-1%)                                     | 85/M                         |
| Region 5  | 67 (14%)                                     | 70/M                         |
| Region 6  | 117 (17%)                                    | 80/M                         |
| Region 7  | 32 (52%)                                     | 64/M                         |
| Region 8  | 13 (18%)                                     | 42/M                         |

# Statewide Hospitalization Trends: ICU COVID+ Census

Hospitalization Trends 7/1/2021 – 7/5/2022  
Confirmed Positive in ICUs



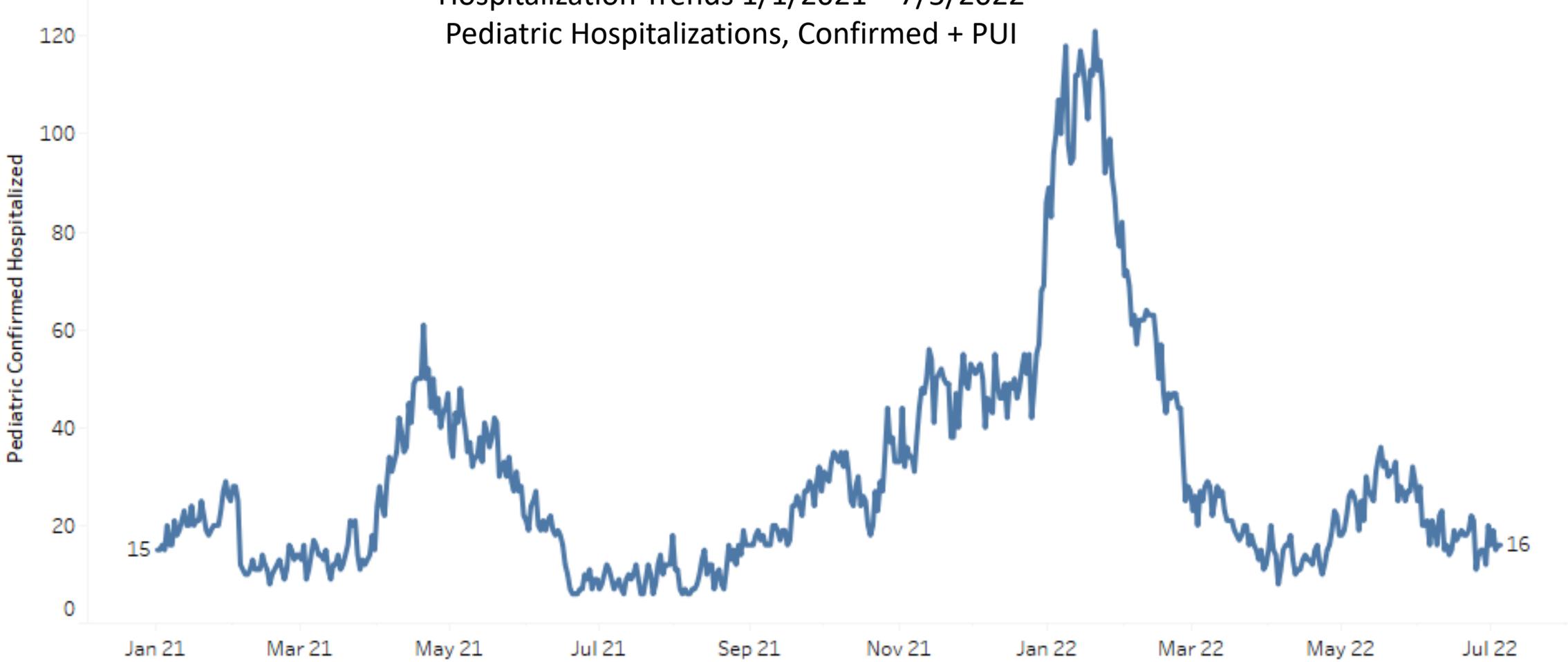
Overall, the volume of COVID+ patients in ICUs has decreased by 2% from last week. There are 88 COVID+ patients in ICU beds across the state.

ICU occupancy is below 85% in all regions except Region 3. All regions have 5% or fewer ICU beds occupied by COVID+ patients.

| Region    | Adult COVID+ in ICU (% Δ from last week) | ICU Occupancy | % of ICU beds COVID+ |
|-----------|--|---------------|----------------------|
| Region 1  | 5 (-29%)                                 | 82%           | 3%                   |
| Region 2N | 22 (47%)                                 | 64%           | 4%                   |
| Region 2S | 27 (-16%)                                | 75%           | 4%                   |
| Region 3  | 11 (-21%)                                | 87%           | 4%                   |
| Region 5  | 7 (-22%)                                 | 62%           | 4%                   |
| Region 6  | 8 (14%)                                  | 73%           | 4%                   |
| Region 7  | 7 (133%)                                 | 79%           | 5%                   |
| Region 8  | 1 (-67%)                                 | 61%           | 2%                   |

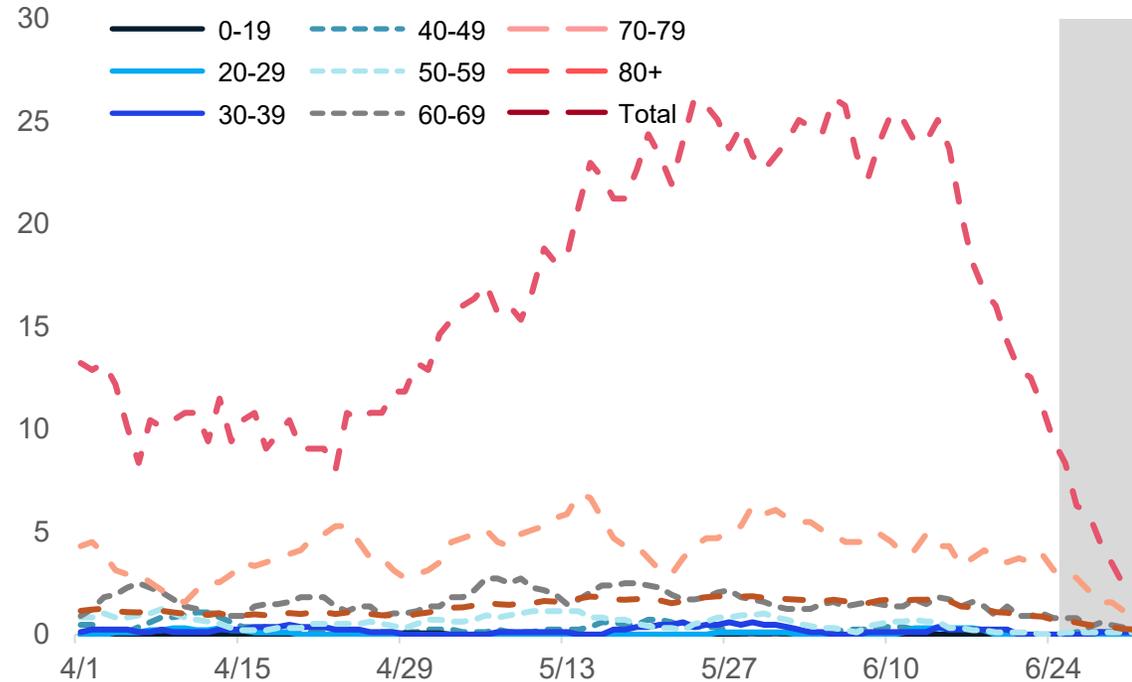
# Statewide Hospitalization Trends: Pediatric COVID+ Census

Hospitalization Trends 1/1/2021 – 7/5/2022  
Pediatric Hospitalizations, Confirmed + PUI



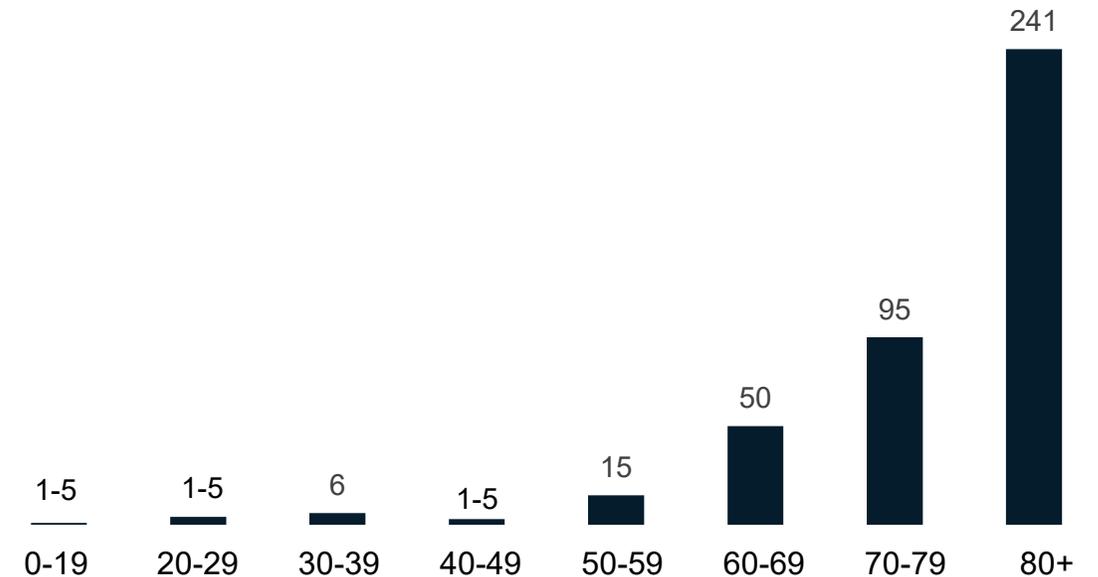
# Average new deaths have decreased for those over the age of 80

Daily COVID-19 deaths in confirmed and probable cases per million by age group (7 day rolling average)



Total COVID-19 deaths in confirmed and probable cases by age group (past 30 days, ending 6/24/2022)

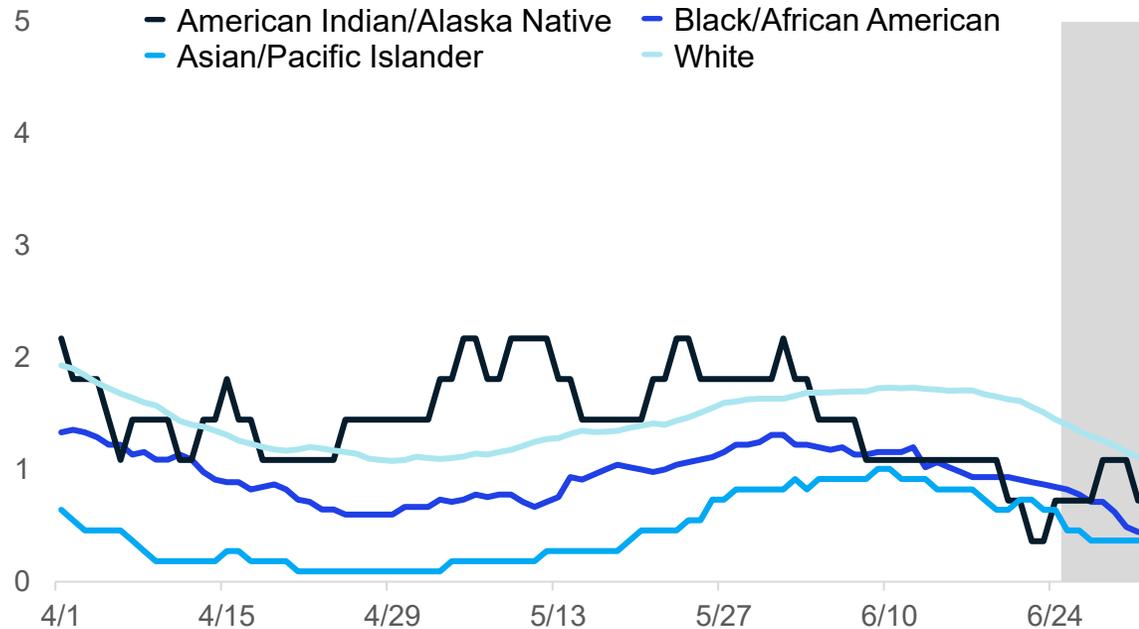
- 9.2% of deaths below age sixty



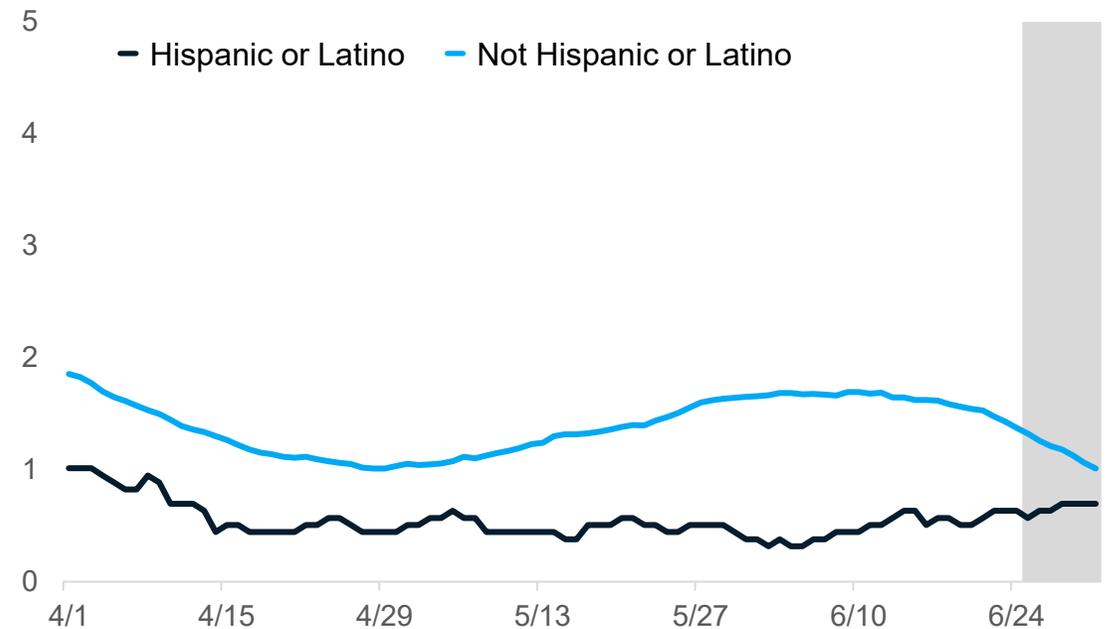
- Through 6/24, the 7-day avg. death rate has decreased (9.4 deaths per million people) for those over the age of 80
- In the past 30 days, there are fewer than 15 among confirmed and probable COVID-19 cases under the age of 50
- 30-day proportion of deaths among those under 60 years of age is 6.9%. This proportion has decreased incrementally over the last two months (last week 9.2%)

# Daily average deaths per million people by race and ethnicity have plateaued or are decreasing

## Average daily deaths per million people by race



## Average daily deaths per million people by ethnicity



- Deaths are lagging indicator of other metrics
- Currently, the White population has the highest death rate (1.5 deaths/million)

Note: Death information sourced from MDHHS and reflects date of death of confirmed and probable cases.  
Source: MDHHS – Michigan Disease Surveillance System

# Harm Reduction: Key Messages

**Empowering community members to make best choices for their individual circumstances and to be prepared by making a COVID plan**

- Michiganders can take advantage of local, state, and national COVID-19 resources
- Get tested, and if positive, seek care with therapeutics (e.g., antibodies or antiviral medications)
  - Cumulative therapeutic availability and administration increased dramatically since April, then declined with falling cases and hospitalizations but has recently increased
  - Talk to your doctor about whether you should get antibody or antiviral treatment, and where you can find treatment.
  - Therapeutics are authorized for people who meet select criteria
  - Additional public health, regulatory, and policy efforts might help decrease barriers to oral antiviral access, particularly in communities with high social vulnerability
- Vaccinations remain the best way to protect from COVID-19, especially from severe disease
  - COVID-19 vaccines are now available for ages 6 months and up
    - Everyone 6 months and older should also get an age-appropriate COVID-19 booster, when eligible
  - Over 6.7 million Michiganders have received at least one dose (67.5%)
  - 55.3% of fully vaccinated Michiganders have received at least one booster
  - 27.9% of people in Michigan (599K+) with a first booster dose have received a second booster dose

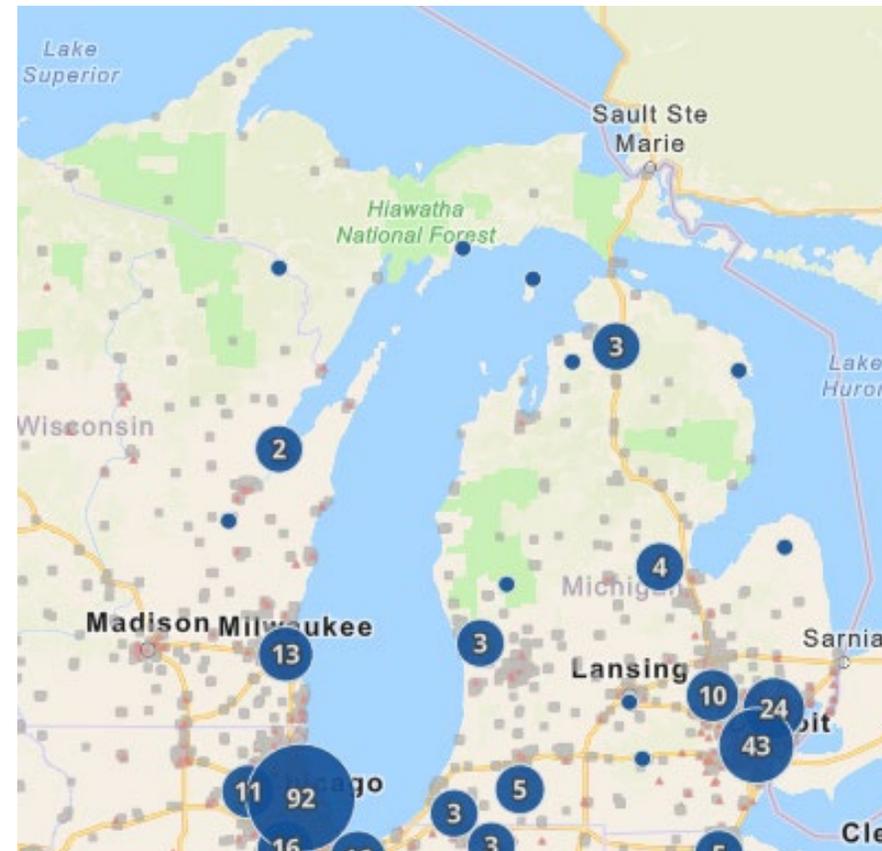
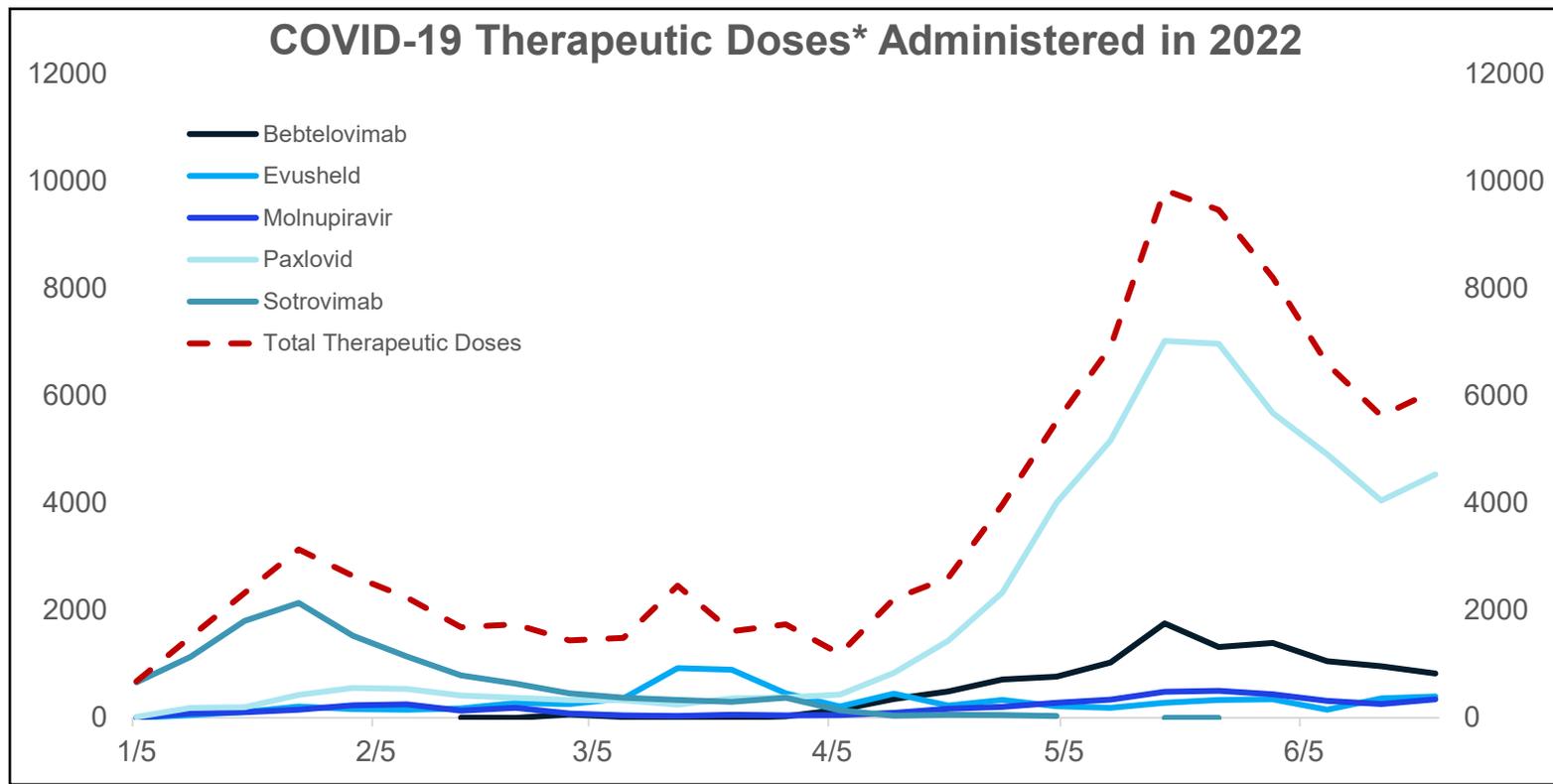
# Federal & Michigan websites assist COVID positive residents find treatment

COVID-19 resources available on federal website: [COVID.gov](https://www.covid.gov)

Test-to-Treat program simplifies access to COVID treatment:

[Find a Test-to-Treat location near you](#)

- If you have COVID-19 symptoms, do not wait to get treated
- You must take oral COVID-19 medication within 5 days of your first COVID-19 symptoms
- Use the tool to find a location that is right for you



Source: Screen capture of Michigan Test-to-Treat sites from linked website

Therapeutic administration increased during Michigan's Spring Omicron surge. Supply limitations in January 2022 required strategic distribution and should not be compared directly.

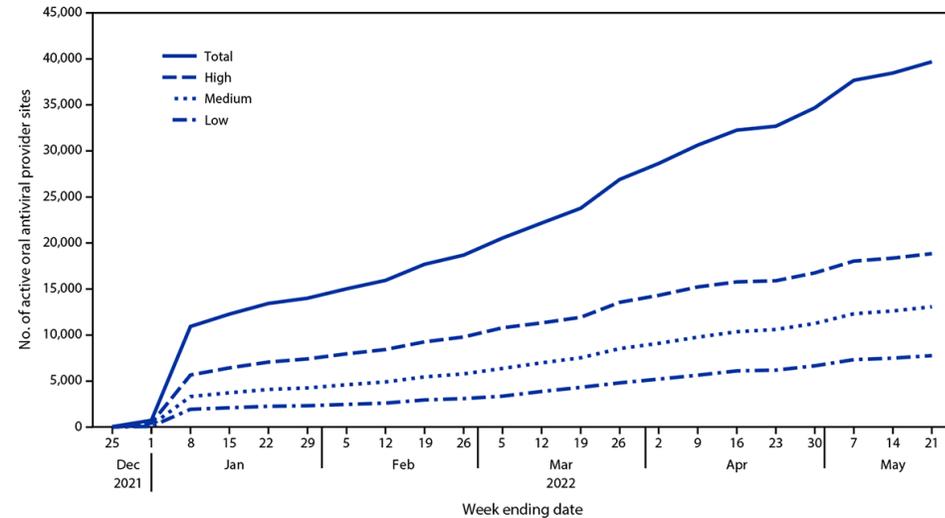
Source: HHS – Tiberius

\*Data is reported as a single patient course, except for Evusheld, which is reported as the number of 300mg doses administered. Data Updated June 28

# Dispensing of Oral Antiviral Drugs for Treatment of COVID-19 by Zip Code–Level Social Vulnerability — United States, December 23, 2021–May 21, 2022

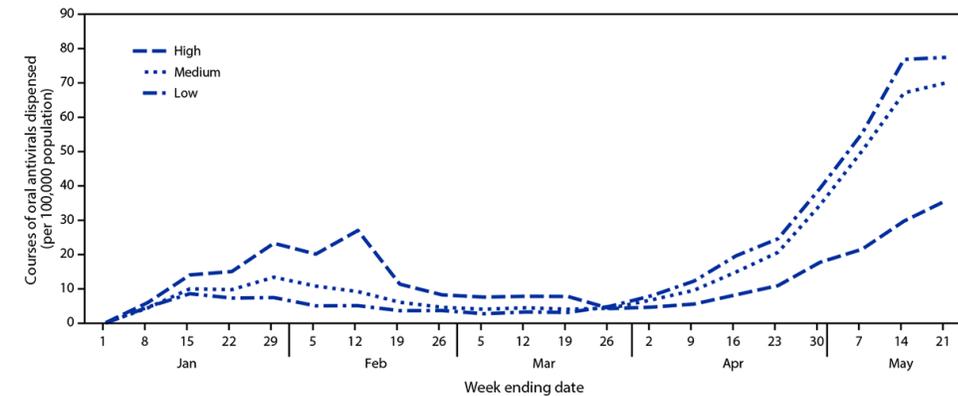
- LAGEVIRIO and PAXLOVID are oral antiviral drugs effective at preventing hospitalization and death in patients with mild to moderate COVID-19 who are at risk for progression to severe disease
- During December 23, 2021–May 21, 2022, 1,076,762 oral antiviral prescriptions were dispensed in the United States.
  - The overall number of antivirals dispensed increased
  - However, by the end of the study period, **dispensing rates were lowest in high vulnerability zip codes**, despite these zip codes having the largest number of dispensing sites
- Additional public health, regulatory, and policy efforts might help decrease barriers to oral antiviral access, particularly in communities with high social vulnerability

FIGURE 2. Number of active provider sites for oral antiviral therapy against COVID-19, by week and zip code social vulnerability score\* — United States, December 23, 2021–May 21, 2022



\* Zip codes were classified as having low, medium, or high social vulnerability based on ranking within the lower, middle, and upper tertiles of the Equitable Distribution Index score.

FIGURE 3. Courses of oral COVID-19 antiviral therapy dispensed per 100,000 persons, by week and zip code social vulnerability level — United States, December 26, 2021–May 21, 2022\*

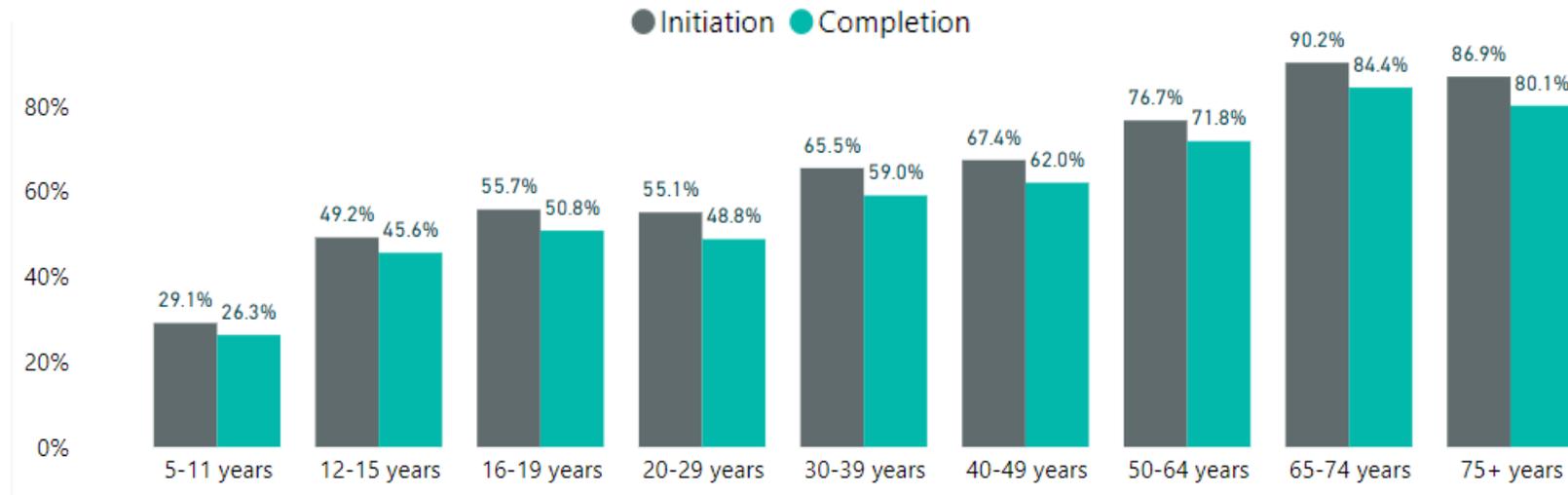


\* The week ending December 25, 2021, is not shown because no oral antiviral dispensing was reported during that week. Zip codes were classified as having low, medium, or high social vulnerability based on ranking within the lower, middle, and upper tertiles of the Equitable Distribution Index score.

# Vaccinations and Boosters

- Over 16.3 million COVID-19 vaccine doses have been administered in Michigan
  - Over 6.7 million Michiganders have received at least one dose (67.5%)
  - Over 6 million Michiganders have completed a primary series (60.7%)
  - Over 3.3 million additional/booster doses have been administered in Michigan
    - 55.3% of the fully vaccinated population has received a booster
    - 77.4% of the fully vaccinated population 65 years of age or older has received a booster
- Nearly 599,983 Michiganders 50 years of age or older who have received a first booster dose have received second booster (27.9%)

COVID-19 Vaccine Coverage by Age Group



[https://www.michigan.gov/coronavirus/0,9753,7-406-98178\\_103214\\_103272-547150--,00.html](https://www.michigan.gov/coronavirus/0,9753,7-406-98178_103214_103272-547150--,00.html)

<https://covid.cdc.gov/covid-data-tracker/#vaccinations>

# COVID-19 vaccines are now available for ages 6 months and up!

Both the Pfizer and Moderna COVID-19 vaccines are now authorized and recommended for children 6 months and older. Everyone 5 years and older should also get an age-appropriate COVID-19 booster, when eligible.

More than **4,000** providers across Michigan can administer the COVID-19 kids vaccine, including:

Family physicians and pediatricians

Some pharmacies (ages 3+)

Local health departments and federally qualified health centers

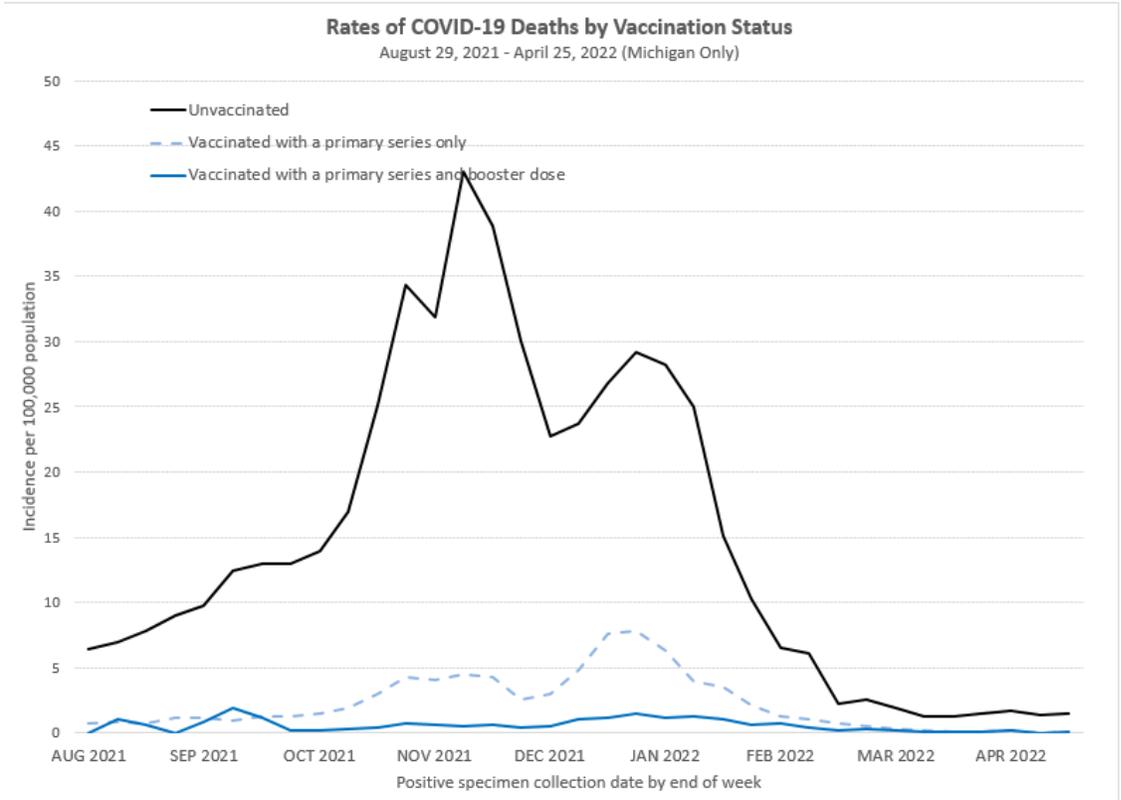
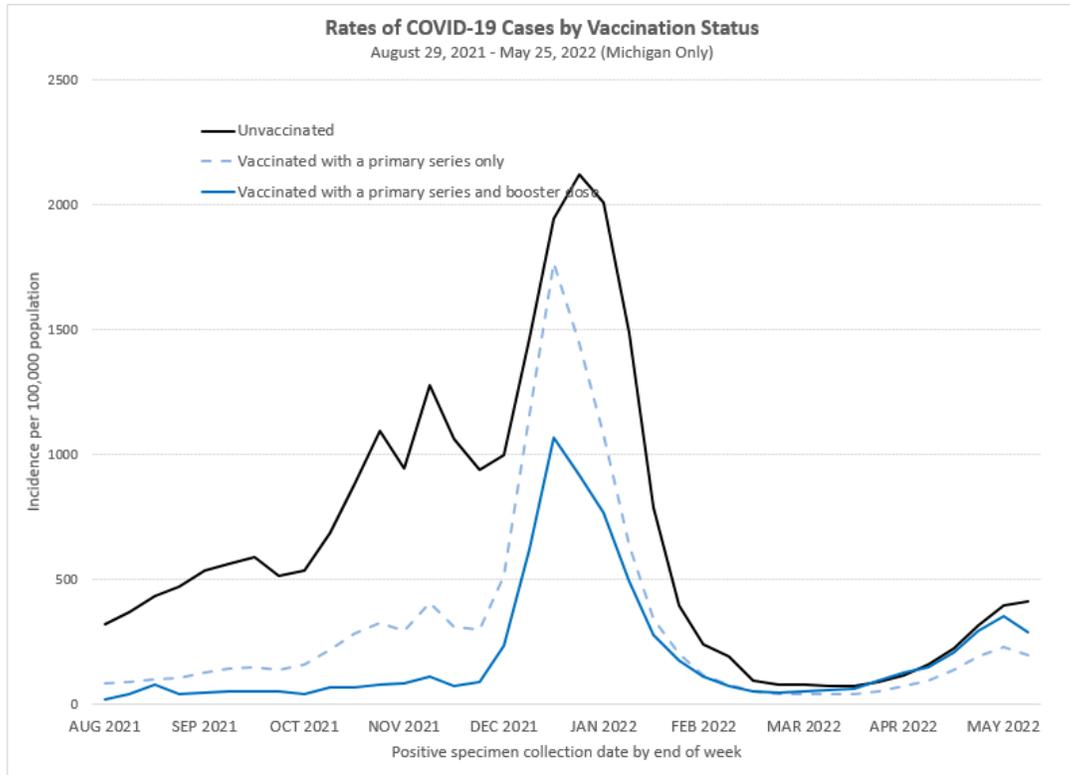
Urgent cares (ages 5+)



For more information, visit [Michigan.gov/KidsCOVIDvaccine](https://Michigan.gov/KidsCOVIDvaccine) or talk to a health care provider.



# Unvaccinated people in Michigan had 33 times the risk of dying from COVID-19 in April compared to people up to date on their vaccination



**Unvaccinated people aged 12 years and older had:**

**1.0 X**  
*Risk of Testing Positive for COVID-19*

**AND**

**33 X**  
*Risk of Dying from COVID-19*

**in April, and**

**1.2 X**  
*Risk of Testing Positive for COVID-19*

**in May,\* compared to people vaccinated with a primary series and a booster dose.\*\***

\*These data reflect cases among persons with a positive specimen collection date through March 19, 2022, and deaths among persons with a positive specimen collection date through February 26, 2022. Please note that these provisional data are subject to change. \*\*Data on immune status are unavailable, thus an additional dose in an immunocompromised person cannot be distinguished from a booster dose.

# Nationally, unvaccinated adults had 3.6 times the risk of hospitalizations from COVID-19 in April compared to people up to date on their vaccination

**1.8x** Higher  
in Unvaccinated Children  
Ages 5-11 Years

**1.5x** Higher  
in Unvaccinated Adolescents  
Ages 12-17 Years

**2.8x** Higher  
in Unvaccinated Adults  
Ages 18-49 Years

**3.8x** Higher  
in Unvaccinated Adults  
Ages 50-64 Years

**3.9x** Higher  
in Unvaccinated Adults  
Ages 65 Years and Older

Reset Filters

## View

Age-Adjusted Rates

Age-Specific Rates

## Filters

Season

All

Vaccine Status

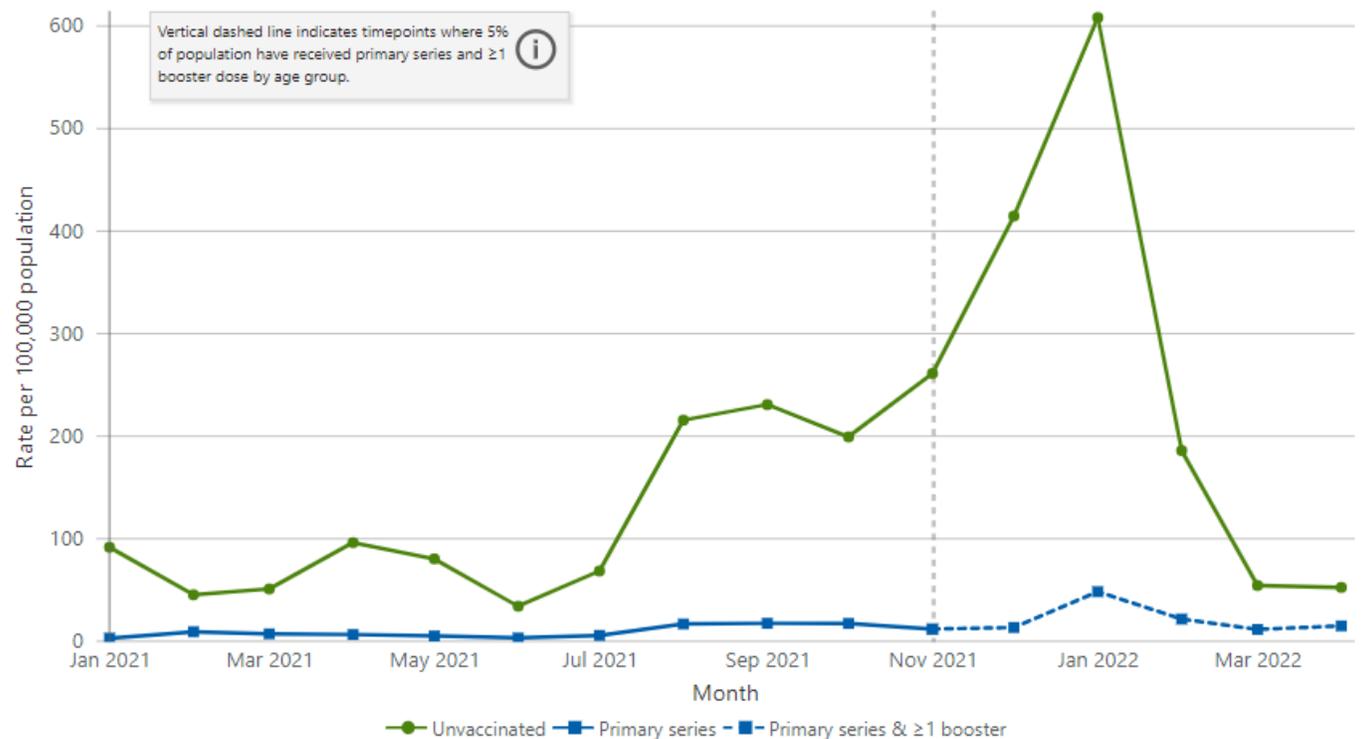
All

Age Group

≥ 18 Years

## Age-Adjusted Rates of COVID-19-Associated Hospitalization by Vaccination Status

in Patients ages ≥ 18 Years January 2021 - April 2022



These data were posted on June 17, 2022 and reflect hospitalizations through April 2022.

Note: "Primary series" refers to hospitalized patients who have completed their primary COVID-19 vaccination series regardless of whether or not they received a booster or additional dose. "Primary series & ≥ 1 booster" refers to hospitalized patients who have completed their primary COVID-19 vaccination series and received one or more additional or booster dose. "Unvaccinated" refers to hospitalized patients with no record of receiving any COVID-19 vaccination. "Up-to-date" refers to persons who have received all doses in the primary COVID-19 vaccination series, in addition to one additional dose or booster dose, when eligible.



Download Data

# **Epidemiology of Myocarditis and Pericarditis Following mRNA Vaccination by Vaccine Product, Schedule, and Interdose Interval Among Adolescents and Adults in Ontario, Canada**

JAMA Network Open. 2022;5(6):e2218505

## **Key Points**

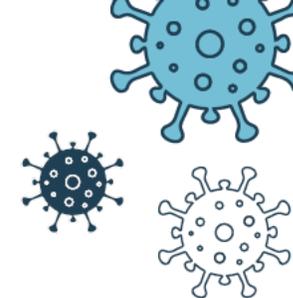
*Question:* Do rates of reported myocarditis or pericarditis following COVID-19 mRNA vaccination vary by vaccine product and interdose interval?

*Population:* Study of 297 individuals in Ontario, Canada from December 2020 to September 2021, with myocarditis or pericarditis following COVID-19 vaccination

*Findings:* Higher rates of myocarditis or pericarditis were associated with receipt of mRNA-1273 [Moderna Spikevax] compared with BNT162b2 [Pfizer-BioN Tech Comirnaty] as a second dose, particularly among male individuals aged 18 to 24 years. Higher rates were also observed with shorter interdose intervals.

*Meaning:* Results suggest that there may be product-specific differences in rates of myocarditis or pericarditis after receiving mRNA vaccines and that programmatic strategies may be associated with reduced risk of myocarditis or pericarditis after receiving mRNA vaccines.

# Make a COVID-19 Plan



Visit [Michigan.gov/Coronavirus](https://Michigan.gov/Coronavirus) for current COVID-19 information.



## Make a plan for vaccination or learn if you are eligible for boosters.

- Ages 6 months and older can get vaccinated.
- Ages 5 and older can get the booster.
- Ages 50 and older, or 12 and older and moderately to severely immunocompromised, can schedule a second booster.



Learn more about vaccines and whether you're up to date at [Michigan.gov/COVIDVaccine](https://Michigan.gov/COVIDVaccine).



## Keep a supply of well-fitting masks.

Masks are helpful tools to reduce COVID-19 transmission, especially if:

- You are unwell or test positive for COVID-19.
- You have been exposed to someone with COVID-19.
- You are concerned about the risk of transmission in a particular setting. Respect that others may have a risk different than yours.



Learn more about masking at [Michigan.gov/MaskUp](https://Michigan.gov/MaskUp).



## Keep a supply of over-the-counter COVID-19 tests.

Tests are useful for early detection of COVID-19, especially if:

- You have symptoms of or have been exposed to COVID-19.
- You are traveling or will be attending a large or unmasked gathering. Test before and after attending large events.



Over-the-counter tests are available at libraries and schools through MIbackpack, also through federal distribution programs.

Learn more about COVID-19 testing at [Michigan.gov/COVIDTest](https://Michigan.gov/COVIDTest).



## Learn if you are eligible for COVID-19 therapeutics.

- Talk to a primary care provider about whether you are eligible for preventative antibodies or for COVID-19 antiviral treatment if you become infected.



Learn more about COVID-19 therapeutics at [Michigan.gov/COVIDTherapy](https://Michigan.gov/COVIDTherapy).

## Vaccines

### Protect against severe outcomes

Vaccines and boosters are available for ages 6 months and up.



## Masks, Distancing & Ventilation

### Prevent spread

People with symptoms, a positive test, or exposure to someone with COVID-19 should wear a mask. Masking may also be based on personal preference and informed by personal level of risk.



# Protect Yourself, Protect Your Community



## Tests

### Prevent spread

Over-the-counter tests allow for testing at home; an important addition to on-site antigen and PCR testing.

## Treatment

### Protect against severe outcomes

Oral antivirals and monoclonal antibodies can reduce the risk of hospitalization and death from COVID-19.



# Pediatric Vaccination for those 6 months to 5 years: Key Messages

## COVID-19 vaccines are now available for ages 6 months and up

- Everyone 6 months and older should also get an age-appropriate COVID-19 booster, when eligible
- Vaccinations remain the best way to protect from COVID-19, especially from severe disease
- The youngest children can get infected and suffer from severe outcomes
  - Hospital admissions due to COVID-19 for children follow statewide trend with youngest ages accounting for majority of pediatric admissions
  - During the Omicron surge, COVID-19 hospitalizations per capita was higher for those 6 months to 4 years than for children of other ages
  - The proportion of children ages 6 months to 4 years with COVID-19 associated hospitalization were primarily admitted for COVID-19 and over half have no underlying medical conditions
  - Compared to other vaccine preventable diseases, COVID-19 is responsible for more hospitalizations and deaths
  - In Michigan, multisystem inflammatory syndrome in children (MIS-C), over a quarter of all cases have been reported from those under the age of 5
    - Nationally, over 60% of MIS-C cases under the age of 5 have been reported among Non-Hispanic Blacks and Hispanic/Latino
  - COVID-19 is a leading cause of death among all children, including one of the leading causes of death for those under 5 years
    - Based on cumulative total incidence, COVID-19 is the leading cause of death among infectious diseases for people aged 0-19
    - Among children under the age of 5, COVID-19 is the fifth most common of all causes of death
- COVID-19 vaccine has proven to be safe for children in other age groups

# COVID-19 vaccines are now available for ages 6 months and up!

Both the Pfizer and Moderna COVID-19 vaccines are now authorized and recommended for children 6 months and older. Everyone 5 years and older should also get an age-appropriate COVID-19 booster, when eligible.

More than **4,000** providers across Michigan can administer the COVID-19 kids vaccine, including:

Family physicians and pediatricians

Some pharmacies (ages 3+)

Local health departments and federally qualified health centers

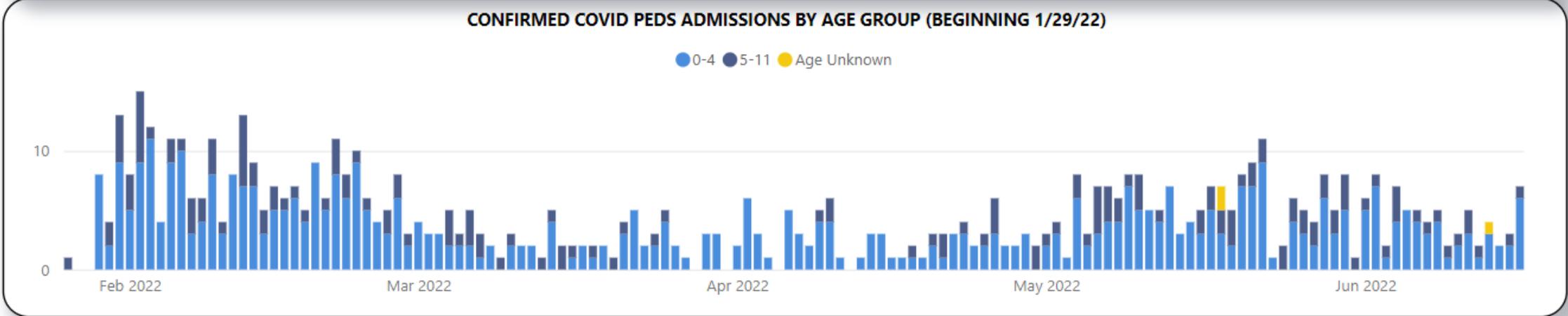
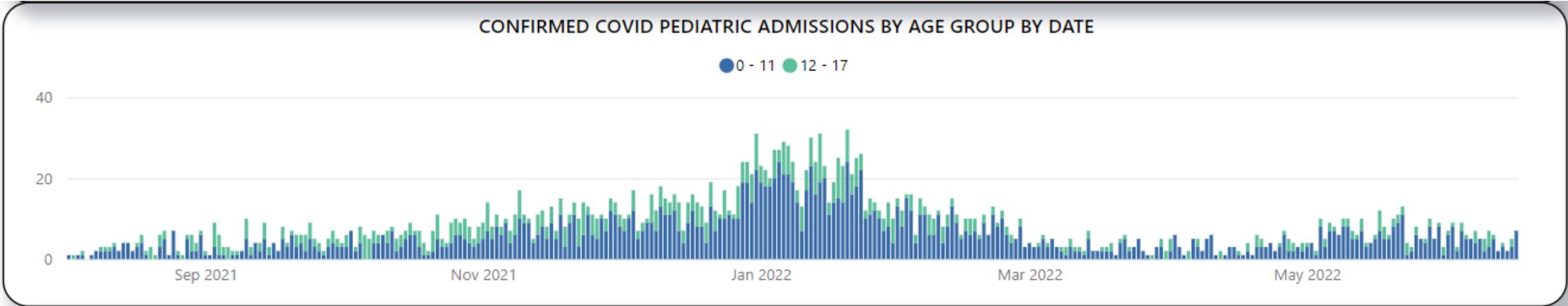
Urgent cares (ages 5+)



For more information, visit [Michigan.gov/KidsCOVIDvaccine](https://Michigan.gov/KidsCOVIDvaccine) or talk to a health care provider.



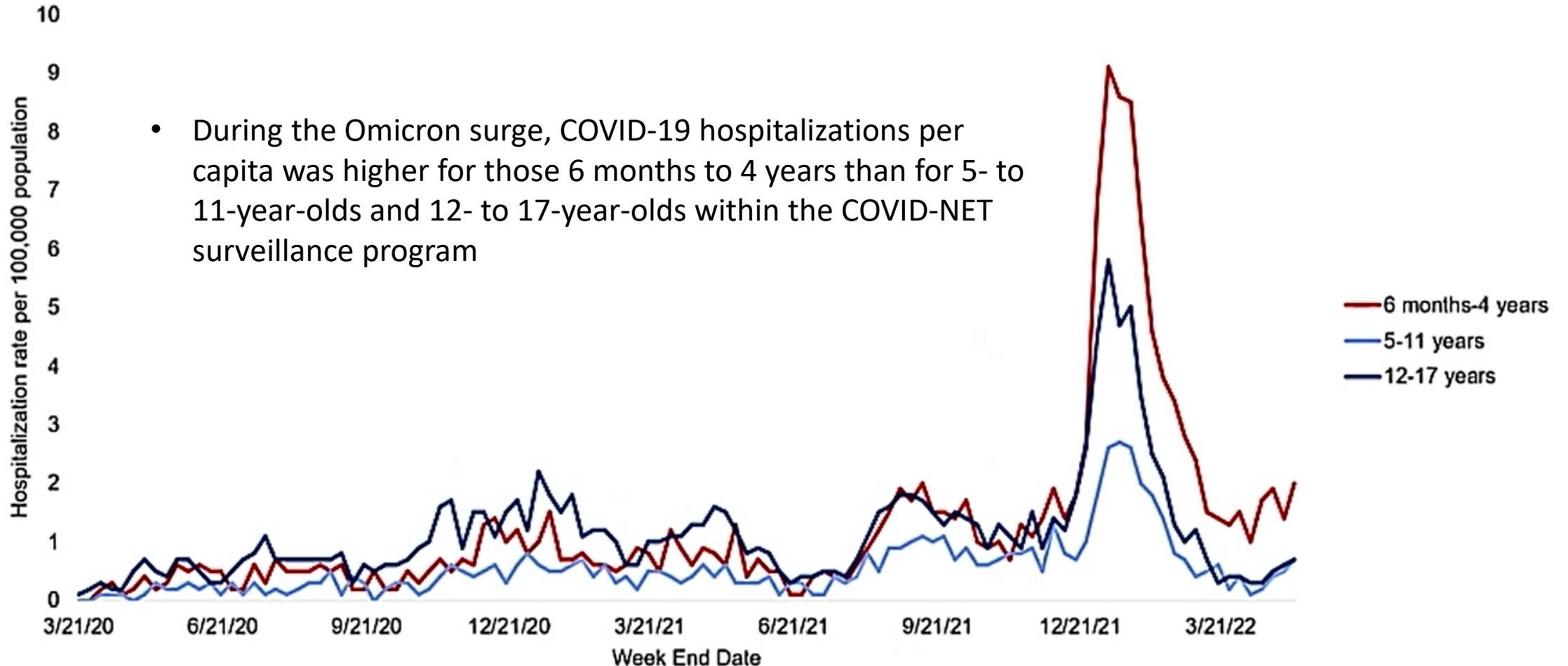
# Hospital admissions due to COVID-19 for children follow statewide trend with youngest ages accounting for majority of pediatric admissions



- Hospital admissions reflect statewide infection trends where admissions are higher during surges of SARS-CoV-2 transmission
- Among those under 18 years of age, the majority of hospital admissions occurred in those 0-11 in Michigan
- Among those under 12 years of age, the majority of hospital admissions occurred in those 0-4 in Michigan

# COVID-19-associated hospitalizations among children and adolescents 6 months–17 years, COVID-NET

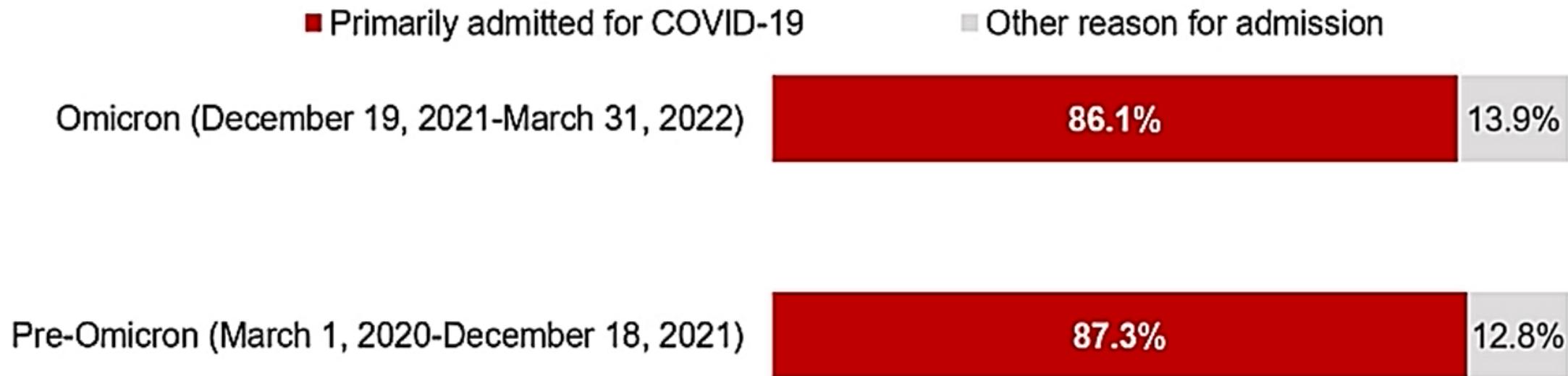
March 2020 – March 2022



Reported by the CDC at the Meeting of the Advisory Committee on Immunization Practices (ACIP) to discuss immunizations for 6 months to 5 years (Moderna and Pfizer), June 22-23, 2022

Source: COVID-NET, [https://gis.cdc.gov/grasp/COVIDNet/COVID19\\_3.html](https://gis.cdc.gov/grasp/COVIDNet/COVID19_3.html). Accessed May 21, 2022.

# Proportion of children ages 6 months–4 years with COVID-19 associated hospitalization who were primarily admitted for COVID-19, COVID-NET March 2020 – March 2022



All children in COVID-NET had a positive SARS-CoV-2 test within 14 days of or during hospital admission. "Primarily admitted for COVID-19" was defined based on the "Reason for admission" field from the case report form. If the chief complaint or history of present illness in the medical chart documents fever/respiratory illness, COVID-19-like illness, or a suspicion for COVID-19, a case is categorized as having COVID-19 as the primary reason for admission. Examples of other non-COVID-19-related reasons for admission seen in this age group include admissions for trauma or inpatient surgeries.

Source: COVID-NET data, Accessed May 21, 2022.

Reported by the CDC at the Meeting of the Advisory Committee on Immunization Practices (ACIP) to discuss immunizations for 6 months to 5 years (Moderna and Pfizer), June 22-23, 2022

# Percent of children ages 6 months–4 years with COVID-19 associated hospitalization with underlying health conditions

■ At least 1 underlying medical conditions    ■ No underlying medical conditions

New Vaccine Surveillance Network, March 2020  
– April 2022

46%

54%

COVID-NET, March 2020 – March 2022

49%

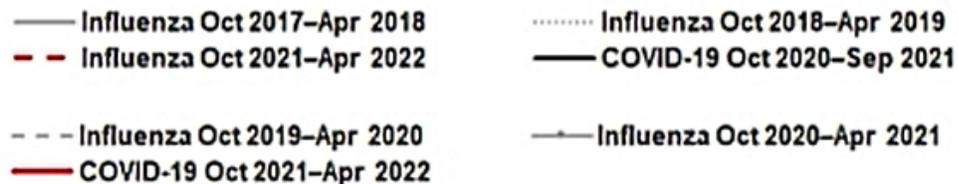
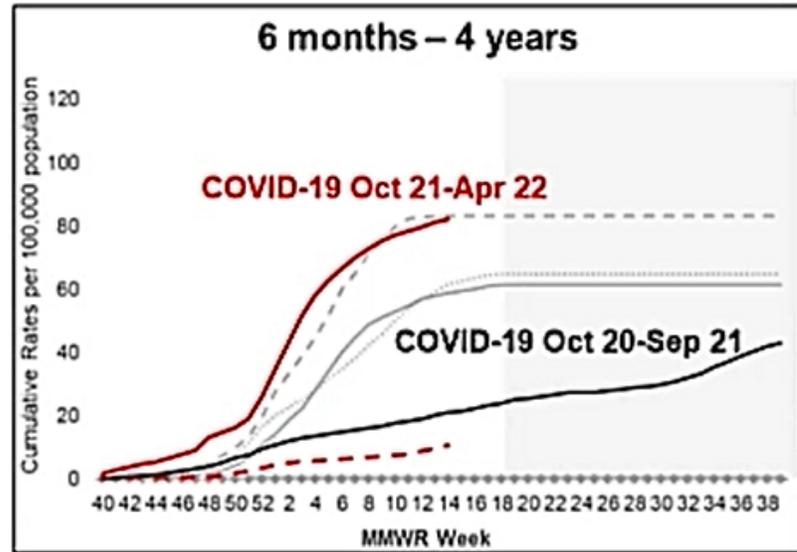
51%

Source: 1. New Vaccine Surveillance Network. Preliminary data as of May 25, 2022, reflecting data from March 2020–April 2022

2. COVID-NET data. Accessed May 21, 2022, reflecting data from March 2020–March 2022

Reported by the CDC at the Meeting of the Advisory Committee on Immunization Practices (ACIP) to discuss immunizations for 6 months to 5 years (Moderna and Pfizer), June 22-23, 2022

# Cumulative influenza- and COVID-19-associated hospitalization rates per 100,000 children ages 6 months–4 years, FluSurv-NET and COVID-NET, 2017–2022



## Among children ages 6 months–4 years

- Oct 2020–Sep 2021 COVID-19 hospitalization rates were lower than influenza hospitalization rates during 2017–18 through 2019–20 (pre-pandemic) influenza seasons
- Oct 2021–Apr 2022 COVID-19 hospitalization rates were as high or higher than influenza hospitalization rates during 2017–18 through 2021–22 influenza seasons

Reported by the CDC at the Meeting of the Advisory Committee on Immunization Practices (ACIP) to discuss immunizations for 6 months to 5 years (Moderna and Pfizer), June 22–23, 2022

Source: Delahoy MJ, Ujamaa D, Taylor CA, et al. [Comparison of Influenza and COVID-19-associated hospitalizations among children < 18 years old in the United States-FluSurv-NET \(October-April 2017-2021\) and COVID-NET \(October 2020-September 2021\)](#). Clin Infect Dis. 2022 May 20;ciac388. doi: 10.1093/cid/ciac388.

# Other Pediatric Vaccine Preventable Diseases: Hospitalizations per Year Prior to Recommended Vaccines

|  | Hepatitis A <sup>1</sup> | Varicella <sup>2</sup><br>(Chickenpox) | Vaccine-type<br>Invasive<br>Pneumococcal<br>Disease <sup>3</sup> | COVID-19 <sup>4</sup>  |
|--|--------------------------|--|--|--|
| Age  | 5–14 years               | 0–4 years                              | 0–4 years  | 6 months–4 years   |
| Time period  | 2005                     | 1993–1995                              | 1998–1999  | Year 1: April 2020–March 2021<br>Year 2: April 2021–March 2022 |
| Hospitalization<br>Burden<br>(Annual rate per<br>100,000 population) | <1                       | 29-42                                  | 40 <sup>5</sup>  | Year 1: 29.8<br>Year 2: 89.3                                   |

<sup>1</sup> <https://www.cdc.gov/mmwr/preview/mmwrhtml/ss5603a1.htm>

<sup>2</sup> Davis MM, Patel MS, Gebremariam A. Decline in varicella-related hospitalizations and expenditures for children and adults after introduction of varicella vaccine in the United States. *Pediatrics*. 2004;114(3):786-792. doi:10.1542/peds.2004-0012

<sup>3</sup> Centers for Disease Control and Prevention (CDC). Direct and indirect effects of routine vaccination of children with 7-valent pneumococcal conjugate vaccine on incidence of invasive pneumococcal disease—United States, 1998–2003. *MMWR Morb Mortal Wkly Rep*. 2005 Sep 16;54(36):893-7. PMID: 16163262.

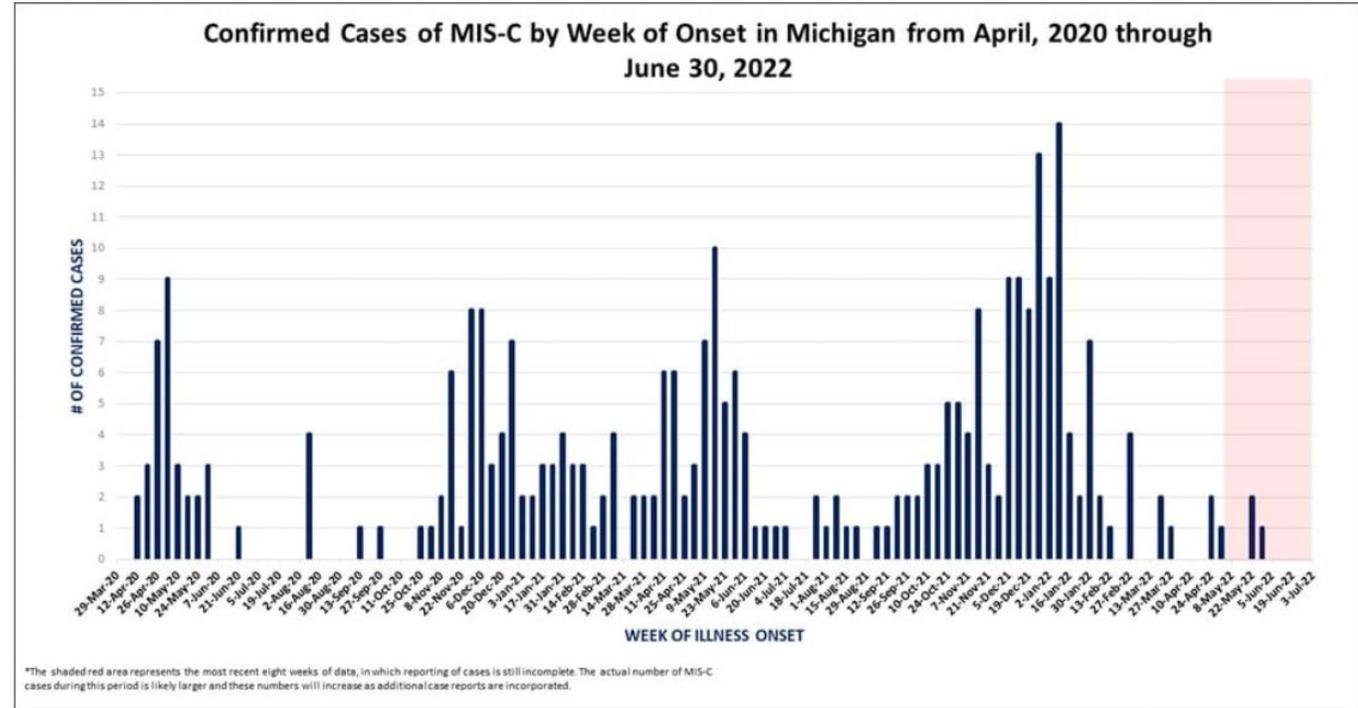
<sup>4</sup> COVID-NET data, Accessed May 21, 2022.

<sup>5</sup> Vaccine-type invasive pneumococcal disease annual rate for children <5 years in 1998–1999 was 80 per 100,000, of which about 50% were hospitalized.

# Multisystem Inflammatory Syndrome in Children (MIS-C)

## Michigan Surveillance

- Higher community transmissions is followed by higher incidence of MIS-C cases
- 304 cases identified in Michigan: highest numbers have occurred after most recent omicron surge
- More than 70% of those children are elementary and pre-school aged
- Black/African American children are disproportionately impacted
- 63.5% (193) children with MIS-C are treated in the ICU

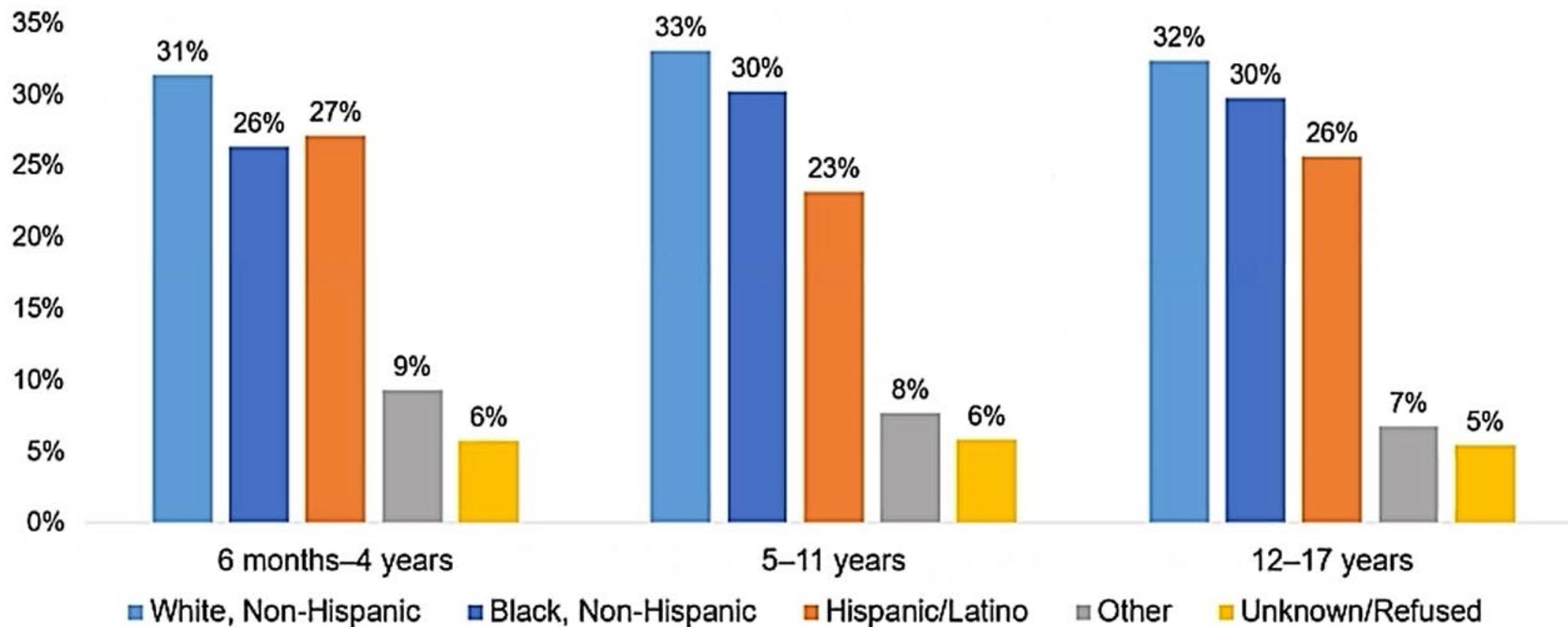


Red shading indicates the expected reporting lag for new cases. Cases with onset dates in this time period may not have been detected or reported yet.

| Age Group | Count | %     | Race                    | Count | %     |
|-----------|-------|-------|-------------------------|-------|-------|
| <1        | 11    | 3.6%  | Black/African American  | 106   | 34.9% |
| 1-4       | 74    | 24.3% | Caucasian               | 146   | 48.0% |
| 5-11      | 146   | 48.0% | All Others/Unknown      | 52    | 17.1% |
| 12-15     | 54    | 17.8% | <b>Ethnicity</b>        |       |       |
| 16-20     | 19    | 6.3%  | Not Hispanic/Non-Latino | 227   | 74.7% |
|           |       |       | Hispanic/Latino         | 27    | 8.9%  |

# MIS-C patients by race & ethnicity for children and adolescents ages 6 months–17 years by age group

February 1, 2020 – May 31, 2022



Age is missing for 1 case.

Source: CDC data. Accessed June 7, 2022

Reported by the CDC at the Meeting of the Advisory Committee on Immunization Practices (ACIP) to discuss immunizations for 6 months to 5 years (Moderna and Pfizer), June 22-23, 2022

## Pediatric vaccine preventable diseases:

Deaths per year in the United States prior to recommended vaccines

|                         | Hepatitis A <sup>1</sup> | Meningococcal (ACWY) <sup>2</sup> | Varicella <sup>3</sup> | Rubella <sup>4</sup> | Rotavirus <sup>5</sup> | COVID-19 <sup>6</sup> |
|-------------------------|--------------------------|-----------------------------------|------------------------|----------------------|------------------------|-----------------------|
| Age                     | <20 years                | 11–18 years                       | 5–9 years              | All ages             | <5 years               | 6 months – 4 years    |
| Time period             | 1990–1995                | 2000–2004                         | 1990–1994              | 1966–1968            | 1985–1991              | Jan 2020–May 2022     |
| Average deaths per year | 3                        | 8                                 | 16                     | 17                   | 20                     | 86                    |

<sup>1</sup>Vogt TM, Wise ME, Bell BP, Finelli L. Declining hepatitis A mortality in the United States during the era of hepatitis A vaccination. *J Infect Dis* 2008; 197:1282–8.

<sup>2</sup>National Notifiable Diseases Surveillance System with additional serogroup and outcome data from Enhanced Meningococcal Disease Surveillance for 2015–2019.

<sup>3</sup>Meyer PA, Seward JF, Jamaan AO, Wharton M. Varicella mortality: trends before vaccine licensure in the United States, 1970–1994. *J Infect Dis*. 2000;182(2):383–390.

doi:10.1093/315714

<sup>4</sup>Roush SW, Murphy TV. Historical comparisons of morbidity and mortality for vaccine-preventable diseases in the United States. *JAMA* 2007; 298:2155–63.

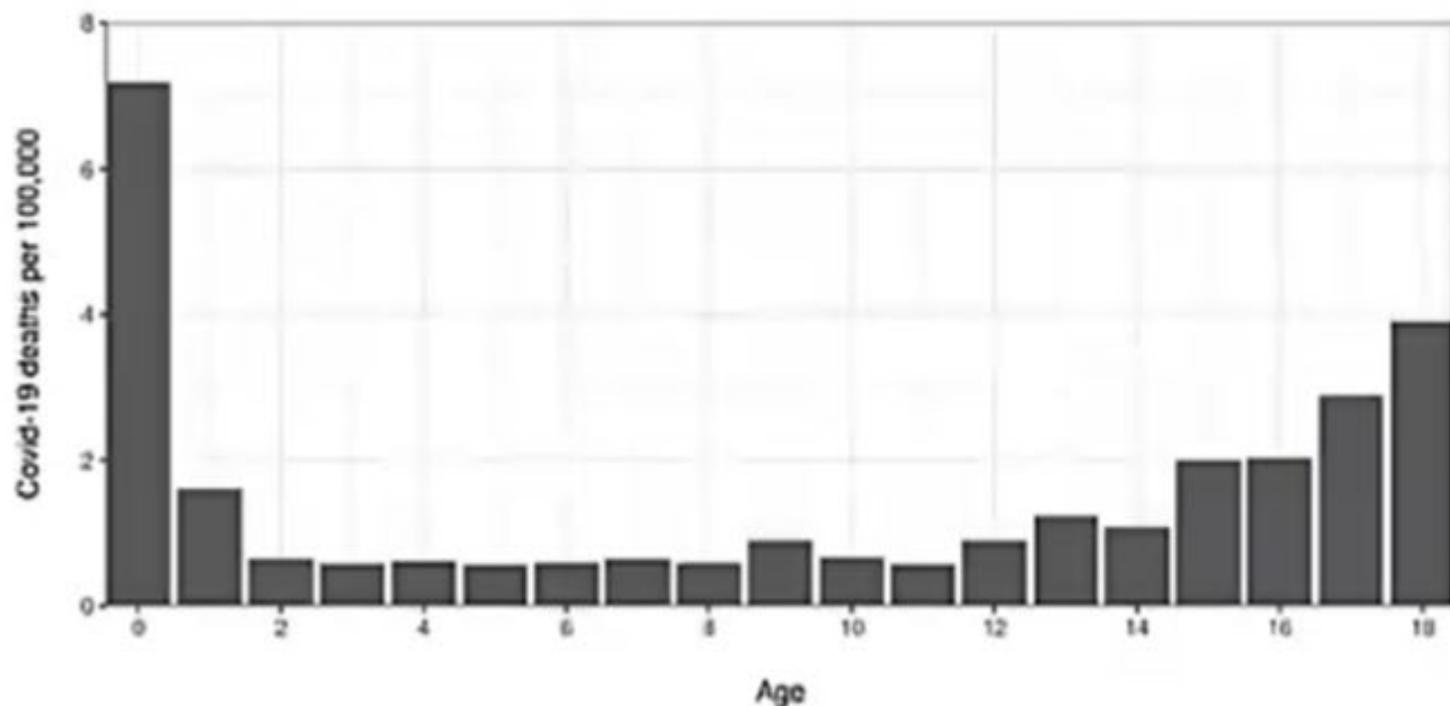
<sup>5</sup>Glass RI, Kilgore PE, Holman RC, et al. The epidemiology of rotavirus diarrhea in the United States: surveillance and estimates of disease burden. *J Infect Dis*. 1996 Sep;174

Suppl 1:S5–11.

<sup>6</sup><https://data.cdc.gov/NCHS/Provisional-COVID-19-Deaths-Counts-by-Age-in-Years/3apk-4u4k/data>.

## COVID-19 death rate among children by age, United States, March 1, 2020—April 30, 2022

- Based on cumulative total incidence, COVID-19 is the **leading** cause of death among **infectious diseases** for people ages 0-19
  - COVID-19 is the **seventh** most common of **all** causes of death for people ages 0-19
- Among people ages 1-4, COVID-19 is the **fifth** most common of **all** causes of death



Based on death certificate data from the National Center for Health Statistics. COVID-19 based on cumulative total incidence of COVID-19 deaths from March 1, 2020-April 30, 2022.

Source: Preprint: Flaxman S, Whittaker C, Semenova E et al. Covid-19 is a leading cause of death in children and young people ages 0-19 years in the United States. medRxiv 2022.05.23.22275458; doi: <https://doi.org/10.1101/2022.05.23.22275458>

# COVID-19 is a leading cause of death among children ages 0–19 years

March 1, 2020–April 30, 2022

| Age group   | Rank of COVID-19 among causes of death |
|-------------|--|
| <1 year     | 4                                      |
| 1–4 years   | 5                                      |
| 5–9 years   | 5                                      |
| 10–14 years | 4                                      |
| 15–19 years | 4                                      |

Reported by the CDC at the Meeting of the Advisory Committee on Immunization Practices (ACIP) to discuss immunizations for 6 months to 5 years (Moderna and Pfizer), June 22-23, 2022  
Based on death certificate data from the National Center for Health Statistics. COVID-19 based on cumulative total incidence of COVID-19 deaths from March 1, 2020-April 30, 2022.

Source: Flaxman S, Whittaker C, Semenova E et al. Covid-19 is a leading cause of death in children and young people ages 0-19 years in the United States. medRxiv 2022.05.23.22275458; doi: <https://doi.org/10.1101/2022.05.23.22275458>

# COVID-19 Vaccine Has Proven to be Safe for Children in Other Age Groups

- In *preauthorization* trials for Pfizer-BioNTech COVID-19 vaccine, vaccinated children aged 5–11 years reported mild to moderately severe local and systemic reactions
  - **No serious vaccination-related events were noted**
- *After authorization* of Pfizer-BioNTech COVID-19 vaccine for children aged 5–11 years during October 2021, and administration of approximately 8 million doses, local and systemic reactions after vaccination were reported to VAERS and v-safe for vaccinated children aged 5–11 years.
  - **Serious adverse events were rarely reported**
- Parents and guardians of children should be advised that local and systemic reactions are expected after vaccination and are more common after the second dose

**v-safe**  
after vaccine, the doctor  
health checker

## 8.7 million\* COVID-19 vaccinations have been given to children ages 5-11 years old

Health check-ins to v-safe completed for over 42,000 children after vaccination<sup>†</sup>

**Side effects were common but mild and brief<sup>§</sup>**

- ✓ Pain where shot was given
- ✓ Fatigue
- ✓ Headache

**Mild side effects are a normal sign the body is building protection**

**Few myocarditis cases have been reported**

**Vaccination is the best way to protect children from COVID-19 complications**

\* As of December 19, 2021

<sup>†</sup> V-safe, a voluntary smartphone vaccine safety monitoring system

<sup>§</sup> After the 2nd dose, about 2/3 children had a local reaction such as arm pain; 1/3 had a reaction beyond the injection site

[bit.ly/MMWR705152a1](https://bit.ly/MMWR705152a1)

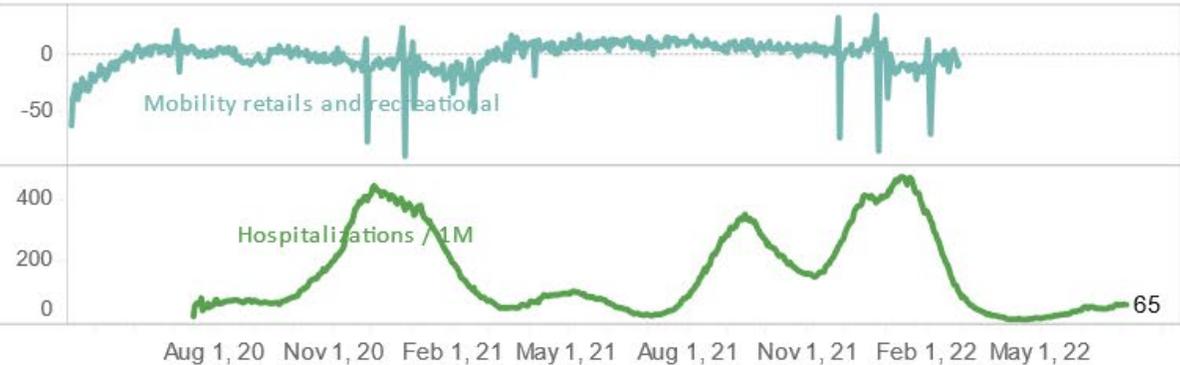
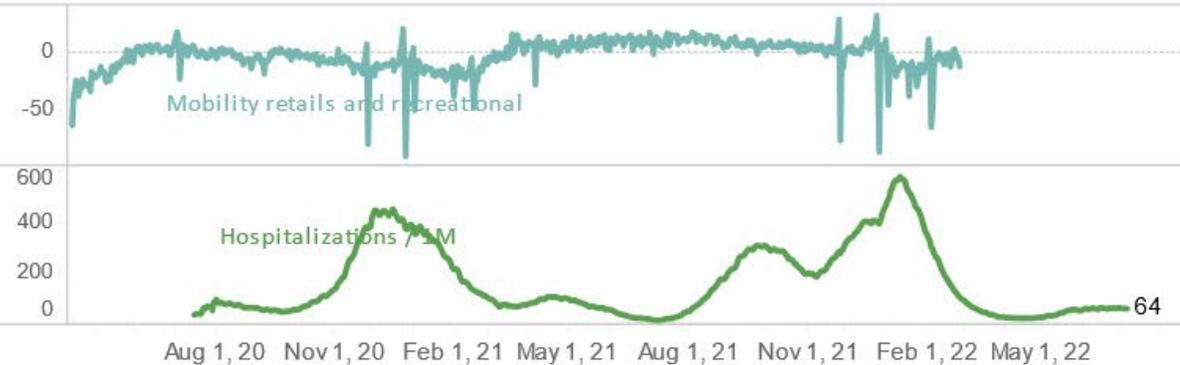
# APPENDIX

# Ohio, Indiana

Ohio Confirmed New Cases / 1M (7 days average)



Indiana Confirmed New Cases / 1M (7 days average)

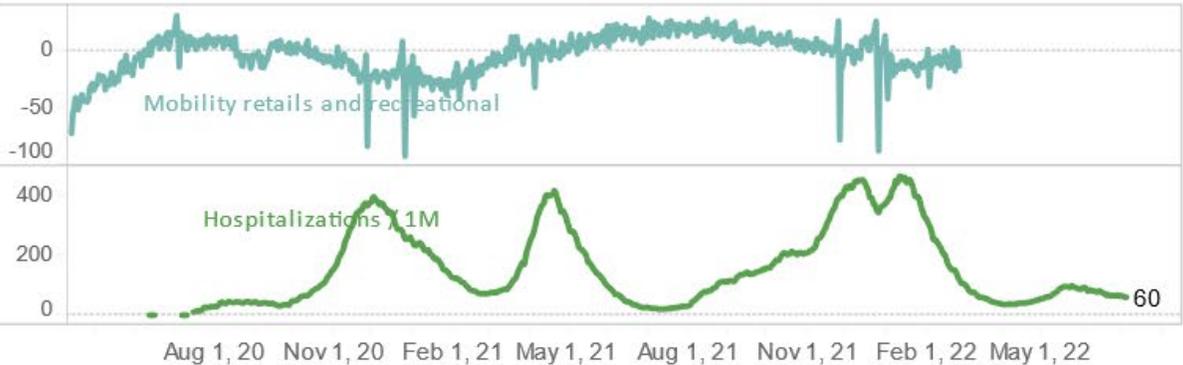
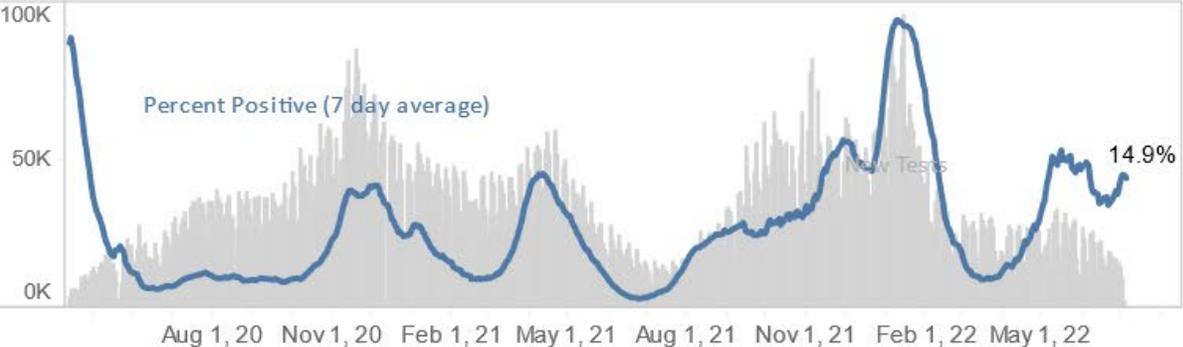


# Wisconsin, Michigan

Wisconsin Confirmed New Cases / 1M (7 days average)

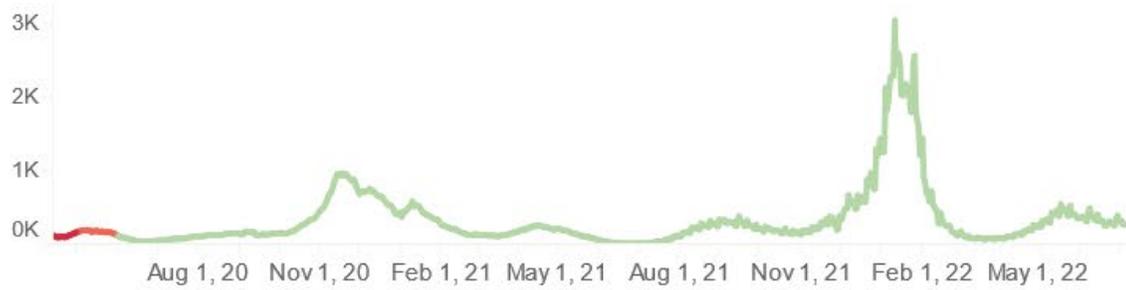


Michigan Confirmed New Cases / 1M (7 days average)

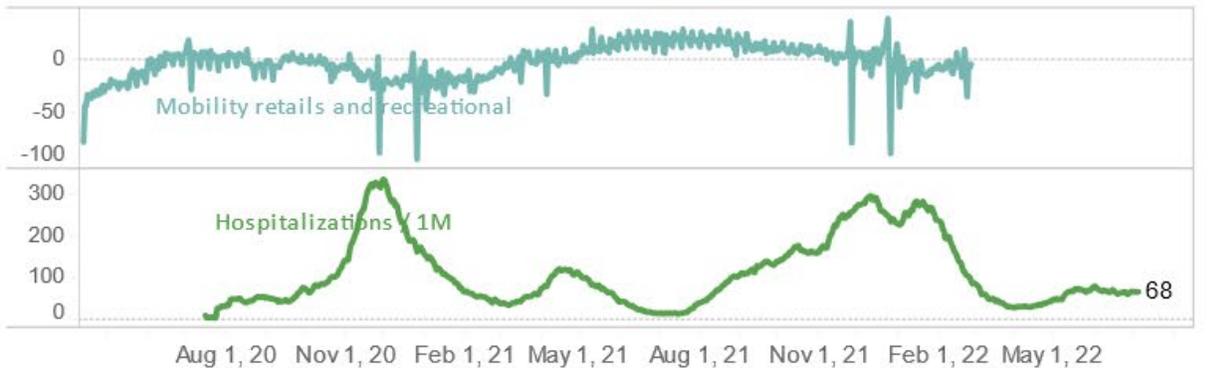
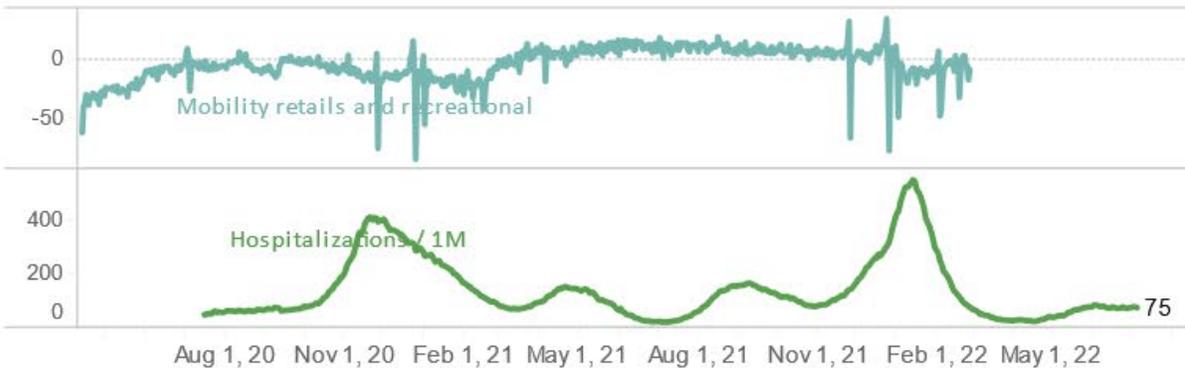
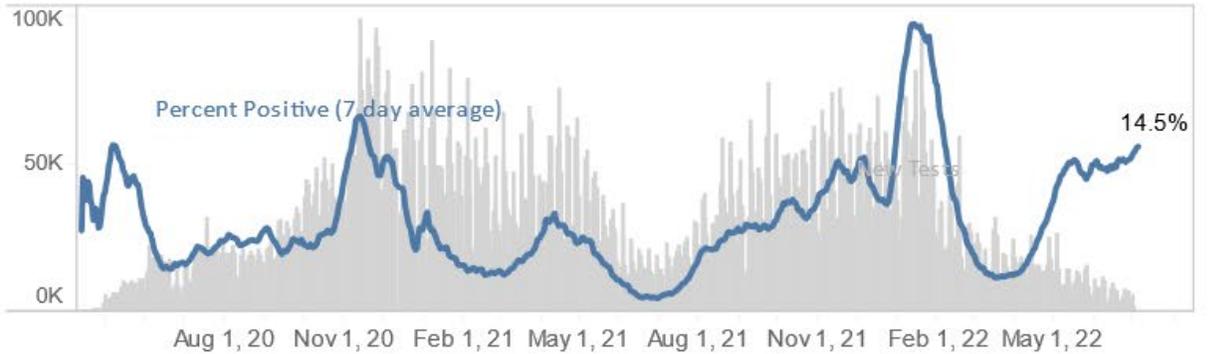


# Illinois, Minnesota

Illinois Confirmed New Cases / 1M (7 days average)



Minnesota Confirmed New Cases / 1M (7 days average)

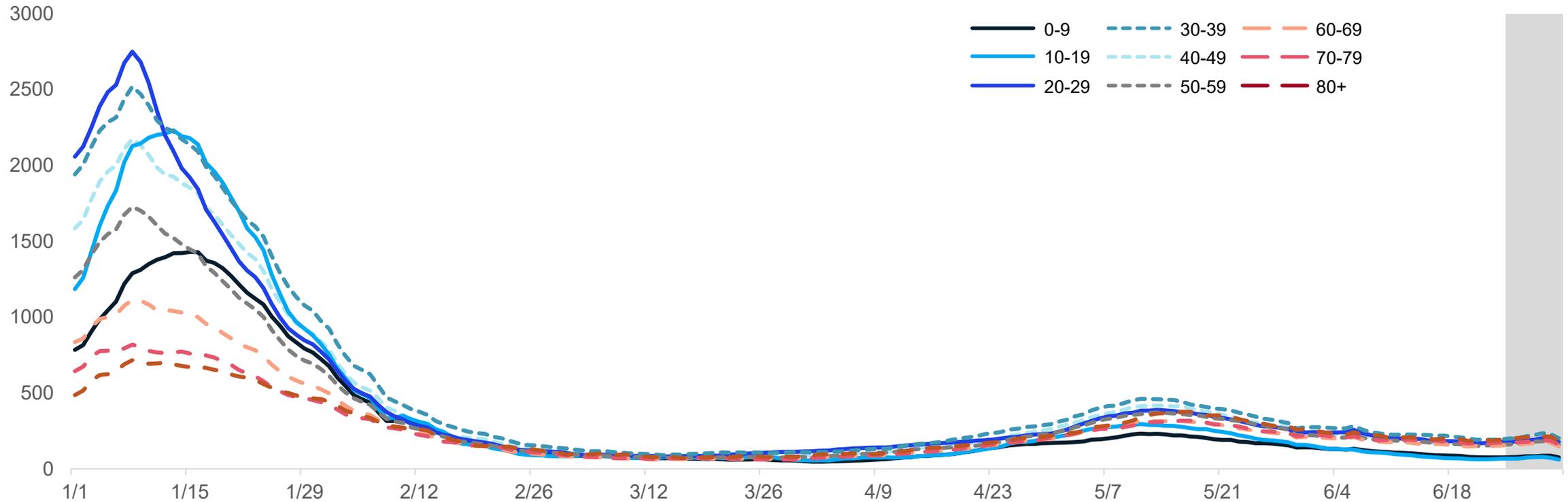


# Emerging Variant Update

- Omicron continues to be the predominant concern, including all its sublineages
  - Omicron has several sublineages of this variant, including BA.1, BA.2, BA.4, BA.5, BA.2.12.1, and recombinations of these.
  - BA.4 and BA.5 (new sublineages of Omicron) may spread faster than current lineages of Omicron in U.S. or U.K. These variants are spreading in other countries (BA.4 in S. Africa; BA.5 in Portugal), but data is still very preliminary.
  - Here in the U.S., BA.2.12.1 is now the most predominant but the proportion of BA.2 is below 50% and decreasing
- BA.2.12.1 is most common variant in HHS Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)

# Case Rate Trends by Age Group

Daily new confirmed and probable cases per million by age group (7-day rolling average)

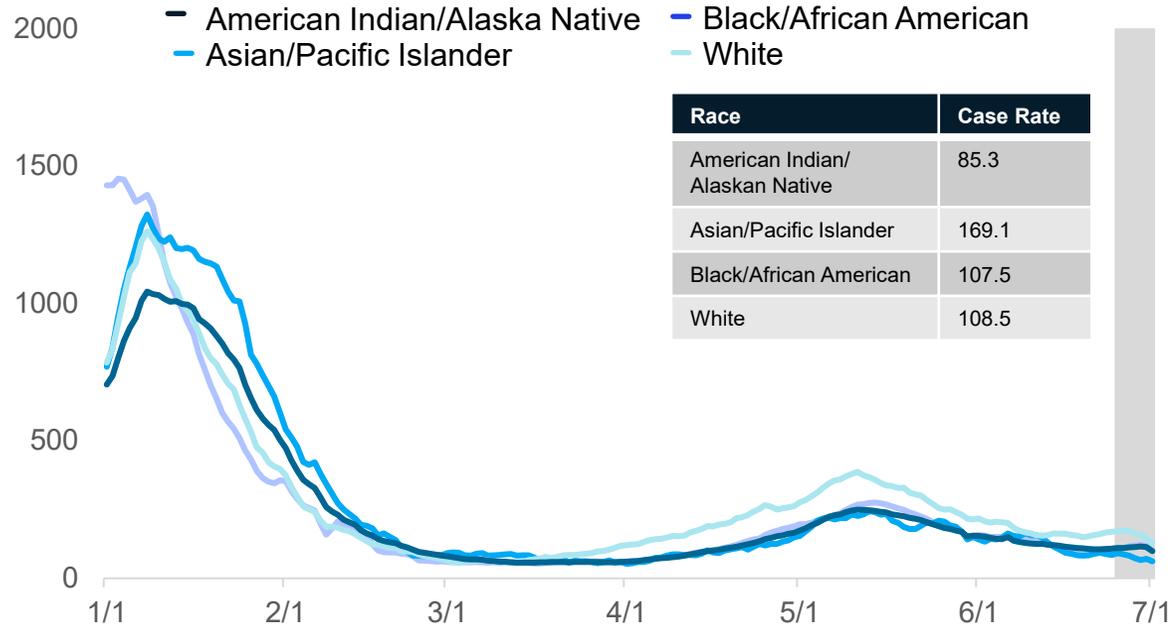


- Case rate trends for all age groups experienced a plateau over the last week
- Case rates by onset date for all age groups are between 67.3 and 195.0 cases per million (through 6/24/22)
- Case counts and case rates are highest for 30-39-year-olds this week, followed by 80+ year-olds and 40-49-year-olds age groups

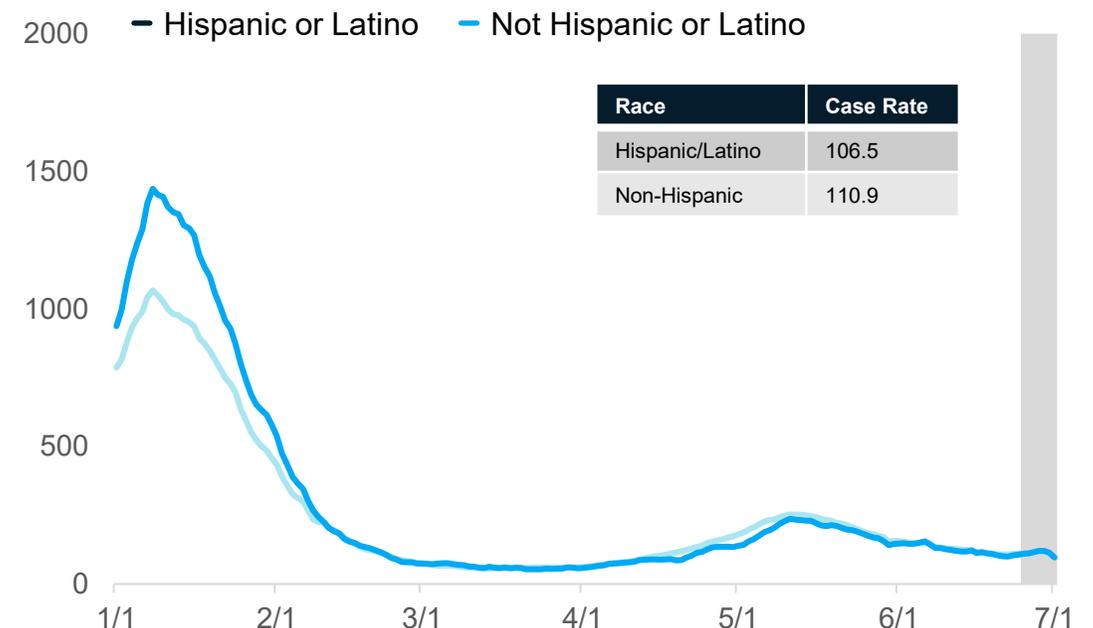
Note: Case information sourced from MDHHS and reflects date of onset of symptoms  
Source: MDHHS – Michigan Disease Surveillance System

# Case Rates by Reported Racial and Ethnic Group

Daily new confirmed and probable cases per million (7 day rolling average) by race category



Daily new confirmed and probable cases per million (7 day rolling average) by ethnicity category



## Updates since last week:

- Cases per million are decreasing at similar rate for all reported racial and ethnic groups
- In the past 30 days, 21.2% (↓ 0.6%) of race data and 26.2% (↓ 0.7%) ethnicity data was either missing or reported as unknown

Note: Case information sourced from MDHHS and reflects date of death of confirmed and probable cases.  
Source: MDHHS – Michigan Disease Surveillance System

# CDC COVID-19 Community Levels are defined by County Case Rates and Health Service Area (HSA) Hospitalizations

COVID-19 Community Levels – Use the Highest Level that Applies to Your Community

| New COVID-19 Cases<br>Per 100,000 people in<br>the past 7 days | Indicators   | Low    | Medium     | High   |
|--|--|--------|------------|--------|
| Fewer than 200   | New COVID-19 admissions per 100,000 population (7-day total)                       | <10.0  | 10.0-19.9  | ≥20.0  |
|  | Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)    | <10.0% | 10.0-14.9% | ≥15.0% |
| 200 or more  | New COVID-19 admissions per 100,000 population (7-day total)                       | NA     | <10.0      | ≥10.0  |
|  | Proportion of staffed inpatient beds occupied by COVID-19 patients (7-day average) | NA     | <10.0%     | ≥10.0% |

Health Service Areas

