

MHD COMMUNICATION TO THE BOARD OF HEALTH

Heather Paradis, MD, MPH
Deputy Commissioner
Medical Director

BOARD OF HEALTH MEETING

JULY 7, 2022



LIVING YOUR BEST LIFE.



COVI-19 UPDATES



CITY OF MILWAUKEE
HEALTH DEPARTMENT

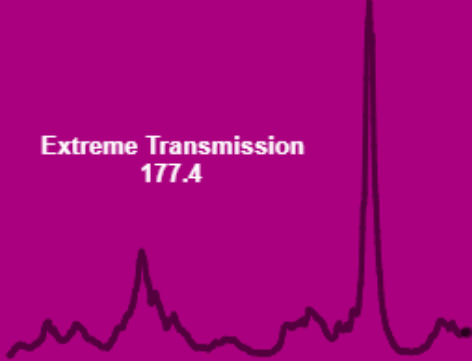
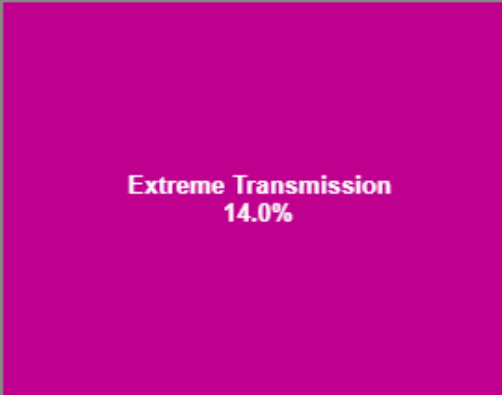

CURRENT CASE BURDEN

COVID-19



CITY OF MILWAUKEE
HEALTH DEPARTMENT

KEY METRICS

Key Indicator Statuses Updated on Tuesdays & Thursdays		Return to Overview
<p>Rate of COVID-19 cases per 100,000 over 7 days <i>Total number of new cases in the City of Milwaukee in the last 7 days divided by the City of Milwaukee population and multiplying by 100,000. Population data is based on US Census, 2019.</i></p> <p>Blue (Low Transmission): 0-9 Yellow (Moderate Transmission): 10-49 Orange (Substantial Transmission): 50-99 Red (High Transmission): 100-149 Purple (Extreme Transmission) ≥ 150</p>	 <p>Extreme Transmission 177.4</p>	
<p>Percentage test positivity over previous 7 days <i>Total number of positive PCR tests divided by the total number of positive and negative PCR tests for City of Milwaukee residents during the last 7 days.</i></p> <p>Blue (Low Transmission): $<5\%$ Yellow (Moderate Transmission): $5.0\% - 7.9\%$ Orange (Substantial Transmission): $8.0\% - 9.9\%$ Red (High Transmission): $10.0\% - 11.9\%$ Purple (Extreme Transmission) $\geq 12\%$</p>	 <p>Extreme Transmission 14.0%</p>	
<p>City of Milwaukee Adult Vaccination Rate <i>Total number of adult City of Milwaukee residents who have completed their COVID-19 vaccination series divided by the adult population of the City of Milwaukee. Adult is defined as an individual who is 16 years of age or older. Population data is based on U.S. Census, 2019.</i></p>	 <p>65.0%</p>	

*Metrics exclude last 3 days of data due to delays in reporting.

KEY METRICS – CDC COMMUNITY LEVEL

Medium

In Milwaukee County, Wisconsin, community level is **Medium**.

- If you are [at high risk for severe illness](#), talk to your healthcare provider about whether you need to wear a mask and take other precautions
- Stay [up to date](#) with COVID-19 vaccines
- [Get tested](#) if you have symptoms

Moving Milwaukee Forward Safely

Gating Metric Review May 04-July 05

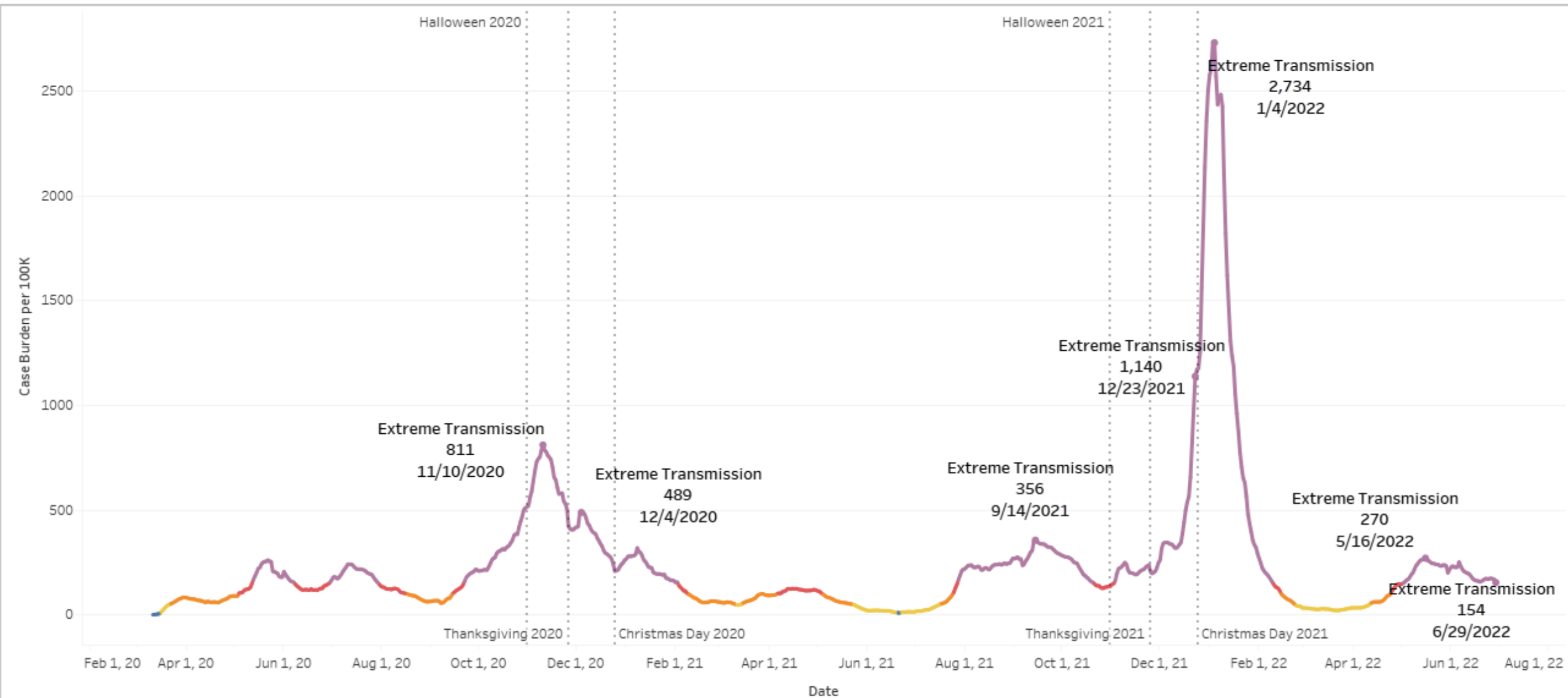


Metric	Status – May. 04	Status – May 12	Status – May 19	Status – May 26	Status – Jun. 01	Status – Jun. 09	Status – Jun. 16	Status – Jun. 23	Status – Jun. 30	Status – July.5
	This metric determines current disease burden. Increased burden increases rates of transmission									
Rate of COVID-19 cases per 100,000 over 7 days	Red High Transmission 147.4	Purple Extreme Transmission 213.2	Purple Extreme Transmission 270.9	Purple Extreme Transmission 239.1	Purple Extreme Transmission 233.8	Purple Extreme Transmission 251.8	Purple Extreme Transmission 198.3	Purple Extreme Transmission 160.8	Purple Extreme Transmission 171.3	Purple Extreme Transmission 177.4
	This metric determines percent positivity. Percent positivity indicates test availability and transmission trends									
Percentage test positivity over 7 days	Orange Substantial Transmission 8.1%	Red High Transmission 10.6%	Purple Extreme Transmission 13.3%	Purple Extreme Transmission 12.8%	Purple Extreme Transmission 13.4%	Purple Extreme Transmission 14.1%	Purple Extreme Transmission 13.0%	Purple Extreme Transmission 12.0%	Purple Extreme Transmission 12.6%	Purple Extreme Transmission 14.0%
	Vaccination rate is calculated based on the City of Milwaukee's adult population (individuals 16 or older)									
City Adult Vaccination Rate	64.5%	64.5%	64.6%	64.7%	64.8%	64.8%	64.9%	65.0%	65.0%	65.0%

Data Source: Wisconsin Immunization Registry (WIR) and Wisconsin Electronic Disease Surveillance System (WEDSS)

The metrics used to determine re-opening phases was updated on 3/18/2021 based on CDC guidance (<https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/indicators.html>) and best practices for Milwaukee

CURRENT CASE BURDEN



*Metric excludes last 4 days to account for delays in reporting and allow trends to stabilize.

Data Source: Wisconsin Electronic Disease Surveillance System (WEDSS) via DHS

Last Updated: 6/30/2022 10:18:58 AM

COVID-19 Wastewater Surveillance in Wisconsin

Date Updated: 7/1/2022

Click on the list or map to select a sewershed. Click again to deselect.

**Milwaukee MSD
Jones Island**



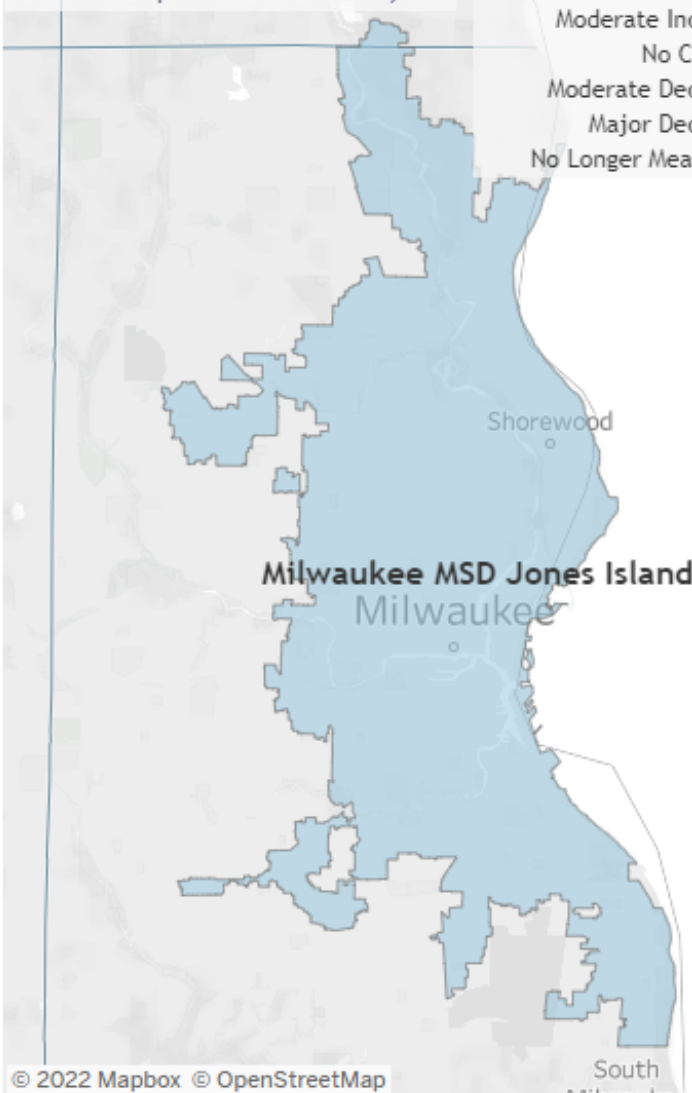
SARS-CoV-2 Concentration:
Moderate Decrease
from 6/12/22 to 6/26/22



COVID-19 Case Trajectory:
No Significant Change
from 6/16/22 to 7/1/22

- Columbus WWTF
- De Pere WWTF
- Eau Claire WWTF
- Fox River WPC
- Green Bay MSD
- Hartford WPCF
- Hayward WPCF
- Hudson WWTF
- Janesville WW Utility
- Kenosha WWTF
- La Crosse WWTP
- Lodi WWTF
- Madison MSD WWTF
- Manitowoc WWTF
- Marinette Wastewa..
- Marshfield WWTF
- Mauston WWTF
- Menomonie WWTF
- Merrill WWTP
- Milwaukee MSD Jon..**
- Milwaukee MSD Sou..
- Monroe WWTF
- Oconomowoc WWTP
- Oregon WWTF
- Oshkosh WWTP
- Peshtigo WWTF
- Platteville WWTF

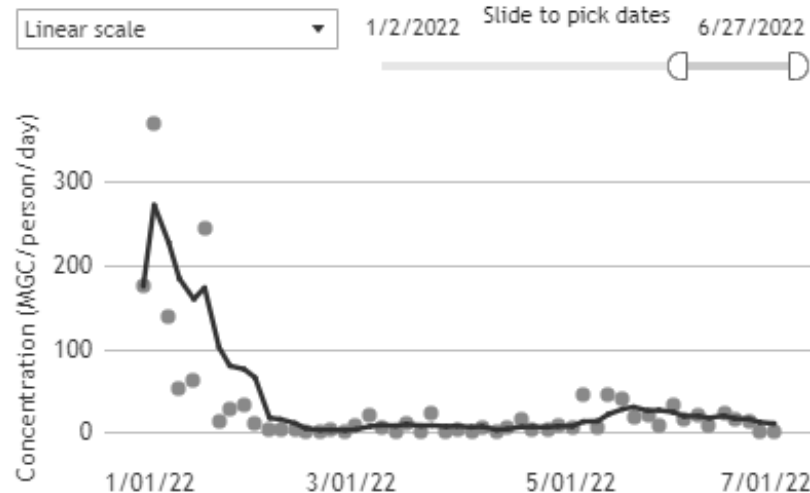
Estimated Population Served: 470,007



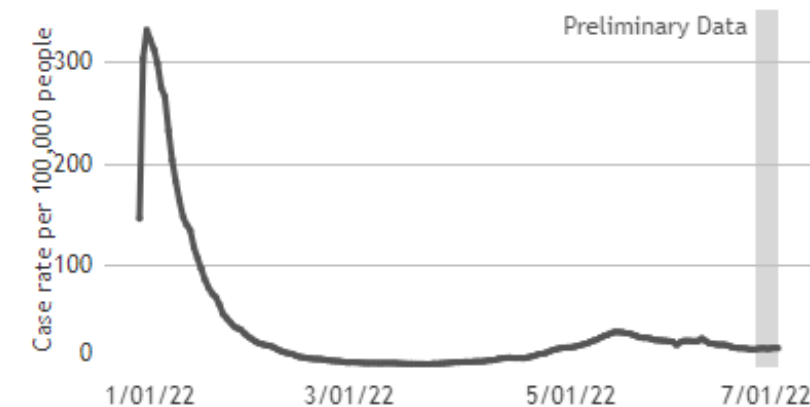
- Major Increase
- Moderate Increase
- No Change
- Moderate Decrease
- Major Decrease
- No Longer Measuring



Wastewater Concentration of SARS-CoV-2 in
Milwaukee MSD Jones Island



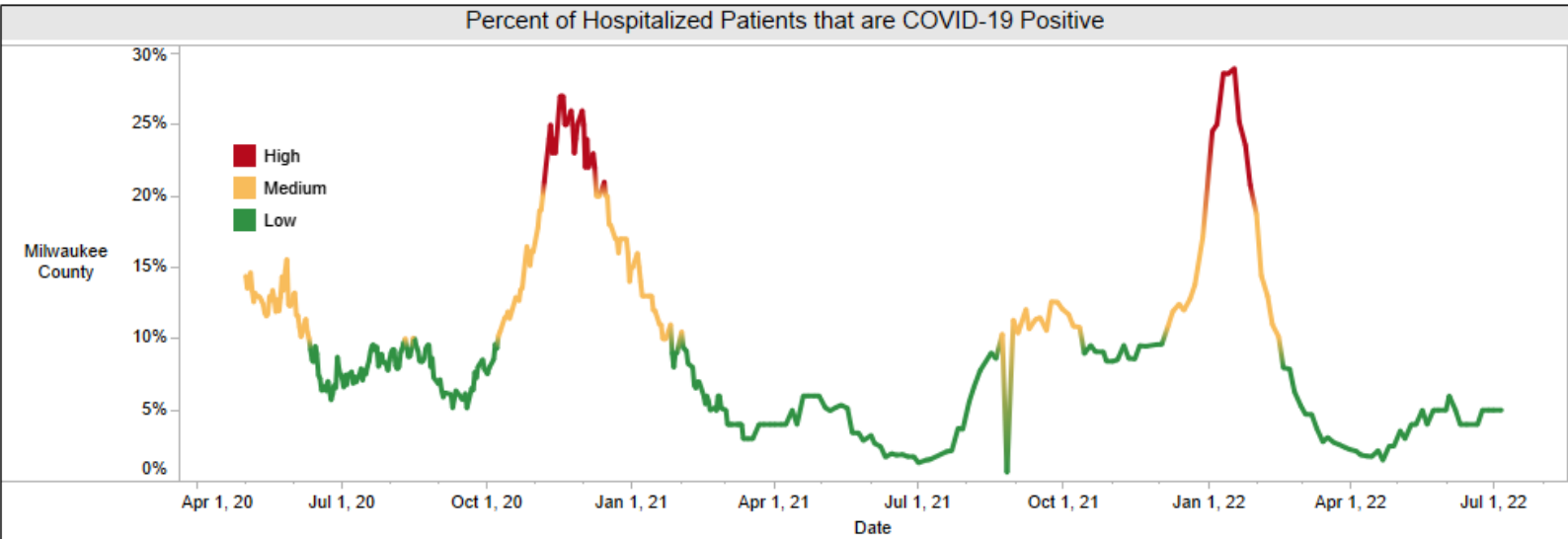
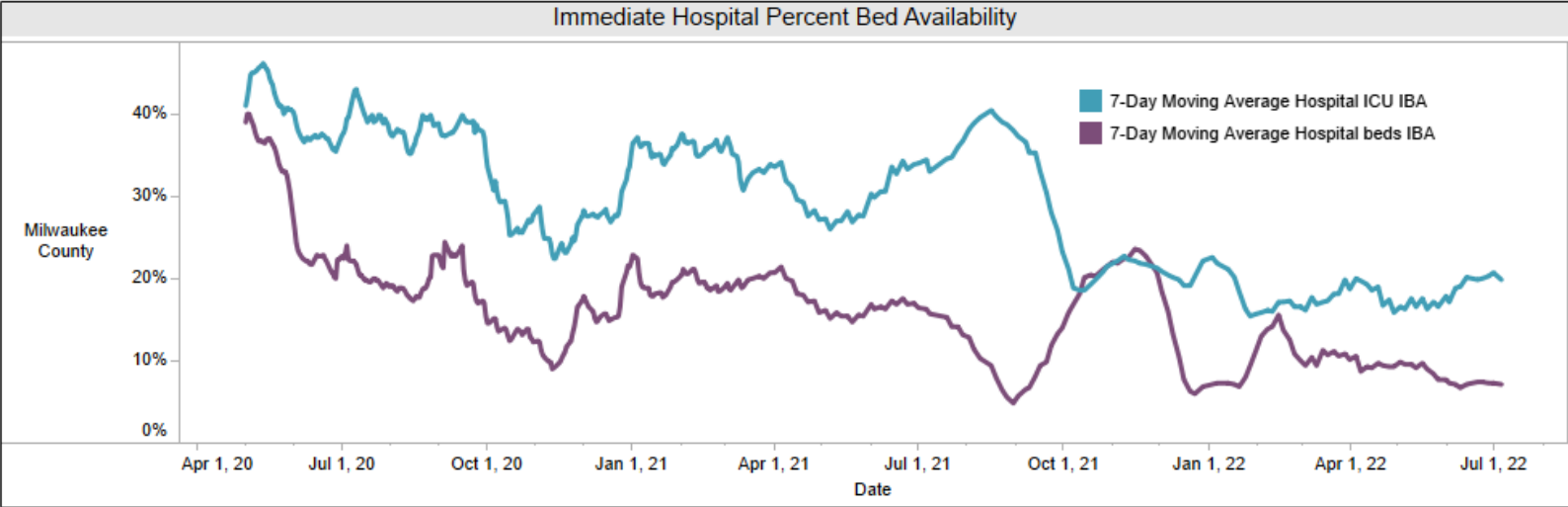
7-day Average Case Rate of COVID-19 within
Milwaukee MSD Jones Island Sewershed



HOSPITALIZATIONS

Hospitalization Data
May 1, 2020-July 5, 2022

[Return to Overview](#)



VARIANTS IN WI

- Omicron is 100% of cases, subvariants of BA.4 and BA.5 are continuing to increase



Wisconsin SARS-CoV-2 (hCoV-19) Genomic Dashboard

enabled by data from GISAID

[Sequencing Report](#)

[Variant Report](#)

[Geographical Report](#)

[About the Data](#)

Delta

Last 30 Days: **0**

Total: **27770**

B.1.617.2, All AY

Omicron

Last 30 Days: **648**

Total: **18045**

B.1.1.529, All BA

Data Updated:

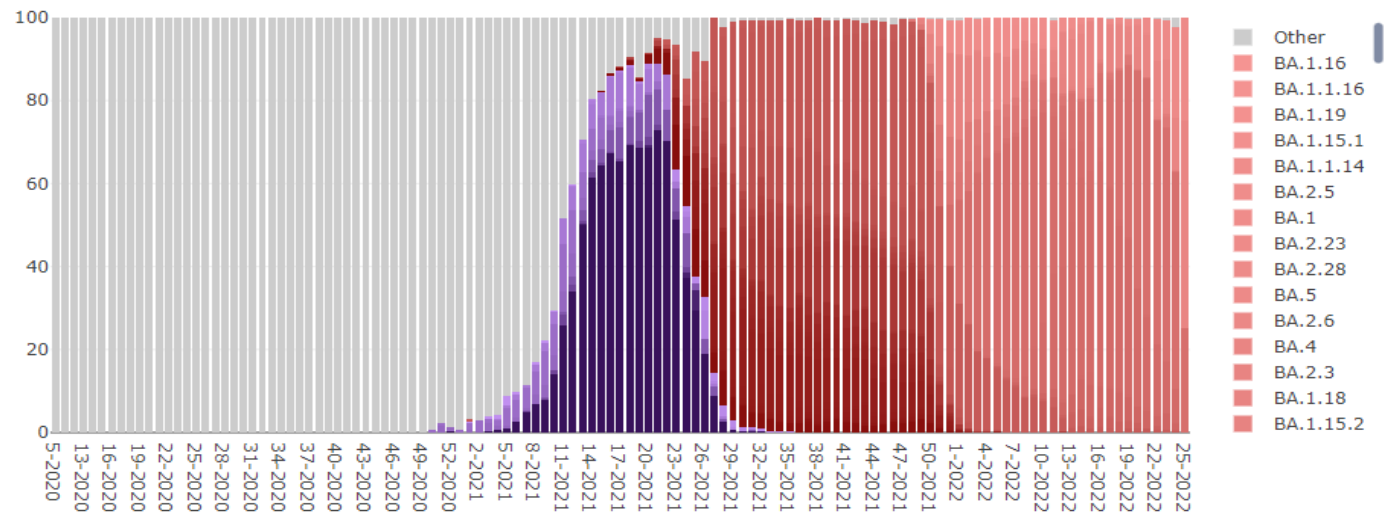
2022-07-05

Proportion of Variants

Variants of Concern

Variants Being Monitored

Search Variants



Proportion of sequenced strains that are variants of concern (red) and variants being monitored (purple), over time by sample collection date.

Time Period

Weekly

Variant Label

Pangolin

VACCINATIONS



CITY OF MILWAUKEE
HEALTH DEPARTMENT

VACCINE UPDATE

- 65.0% of adults (16+) fully vaccinated
- 55.1% of total residents fully vaccinated
- 49.6% of total residents fully vaccinated and boosted



DEMOGRAPHIC TABLE

Vaccinated City of Milwaukee Residents By Race/Ethnicity

Race/Ethnicity	2019 ACS Population Estimate	At Least 1 Dose	Percent Population	Fully Vaccinated	Race/Ethnicity Percent Population Fully Vaxxed	Boosted Individuals	Population with booster
Black or African-American	227,829	106,698	46.8%	96,136	42.2%	41,815	43.5%
Hispanic or Latino	112,817	69,156	61.3%	63,005	55.8%	25,003	39.7%
Other Race	17,258	14,094	81.7%	12,814	74.2%	5,236	40.9%
American Indian or Alaska Native	2,763	2,163	78.3%	1,986	71.9%	955	48.1%
White	208,521	127,538	61.2%	121,615	58.3%	76,958	63.3%
Asian or Pacific Islander	25,360	20,634	81.4%	18,951	74.7%	7,645	40.3%
Unknown		12,784		10,596		3,798	35.8%
Grand Total	594,548	353,067		325,103		161,410	49.6%

Vaccinated City of Milwaukee Residents By Age Group

	2019 ACS Population Estimate	At Least 1 Dose	Population with 1 or more doses	Fully Vaccinated	Population fully vaccinated	Boosted Individuals	Population with booster
5 to 11 years	61,519	15,481	25.2%	12,837	20.9%	93	0.7%
12 to 15 years	32,878	17,472	53.1%	15,690	47.7%	4,222	26.9%
16 to 19 years	36,222	18,556	51.2%	16,528	45.6%	5,036	30.5%
20 to 24 years	50,576	29,830	59.0%	26,415	52.2%	8,986	34.0%
25 to 34 years	101,565	64,057	63.1%	57,822	56.9%	23,857	41.3%
35 to 44 years	74,841	53,401	71.4%	49,252	65.8%	22,920	46.5%
45 to 54 years	66,835	48,603	72.7%	45,474	68.0%	24,237	53.3%
55 to 59 years	34,030	25,133	73.9%	23,829	70.0%	14,473	60.7%
60 to 64 years	29,689	24,752	83.4%	23,625	79.6%	16,110	68.2%
65 to 74 years	37,530	35,976	95.9%	34,671	92.4%	26,872	77.5%
75 to 84 years	16,494	13,982	84.8%	13,455	81.6%	10,545	78.4%
85 years and over	8,304	5,793	69.8%	5,483	66.0%	4,057	74.0%
Grand Total	594,548	353,067		325,103		161,410	49.6%

CDC UPDATES

CDC UPDATES

VACCINES

COVID-19 Vaccination Recommendations for Children

CDC recommends COVID-19 vaccines for everyone ages 6 months and older, and boosters for everyone ages 5 years and older if eligible.

COVID-19 vaccines available for children include:

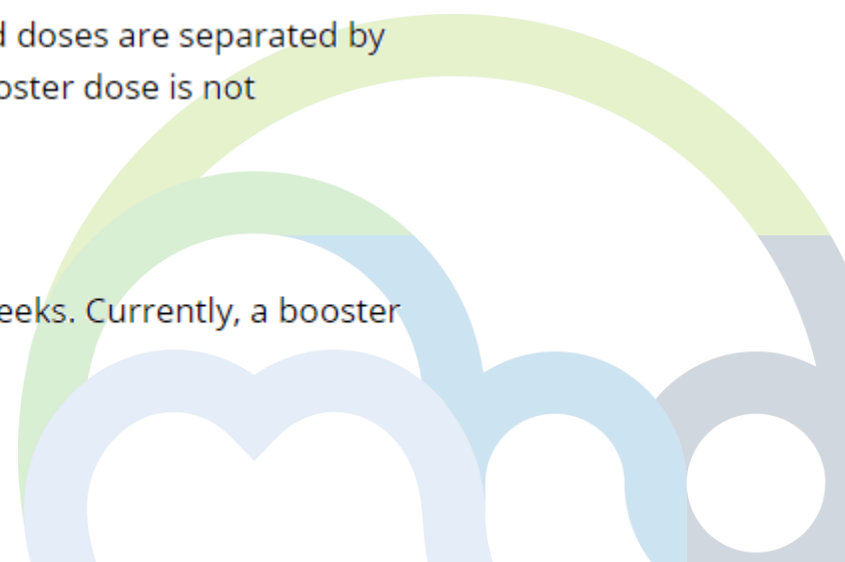
Pfizer-BioNTech COVID-19 Vaccine

- Children ages 6 months–4 years: Should receive a 3-dose primary series. The first and second doses are separated by 3–8 weeks and the second and third doses are separated by at least 8 weeks. Currently, a booster dose is not authorized for this age group.

Moderna COVID-19 Vaccine

- Children ages 6 months–5 years: Should receive a 2-dose primary series separated by 4–8 weeks. Currently, a booster dose is not authorized for children in this age group who receive a Moderna primary series.

[COVID-19 Vaccination for Children | CDC](#)



MASK GUIDANCE



CITY OF MILWAUKEE
HEALTH DEPARTMENT

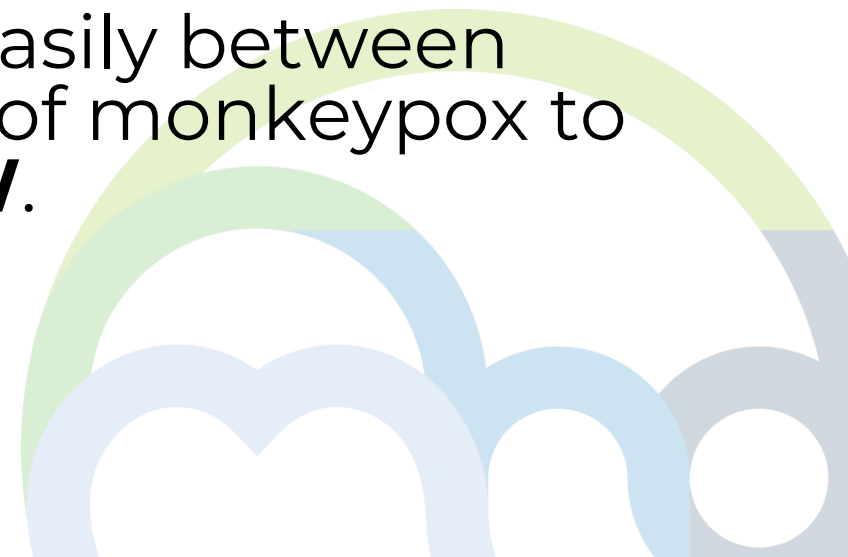
CURRENT CDC GUIDANCE

- In general, people do not need to wear masks when outdoors. Wear a mask if you are sick and need to be around others or are [caring for someone who has COVID-19](#).
- If the [COVID-19 Community Level](#) where you live is
 - Low
 - Wear a mask based on your personal preference, informed by your personal level of risk.
 - Medium
 - If you are at risk for [severe illness](#), talk to your healthcare provider about wearing masks indoors in public.
 - If you live with or will gather with someone at risk for severe illness, wear a mask when indoors with them.
 - High
 - If you are 2 or older, wear a well-fitting mask indoors in public, regardless of vaccination status or individual risk (including in K-12 schools and other community settings).

MONKEYPOX UPDATE

BACKGROUND

- Monkeypox is caused by a virus of the *orthopoxvirus* genus and is endemic in several countries in Central and West Africa.
- The current outbreak, which features cases in multiple non-endemic countries that are not linked to travel or animal contact, is atypical and concerning.
- Monkeypox is rare and does not spread easily between people without close contact. The threat of monkeypox to the general U.S. population remains **LOW**.



GLOBAL OUTBREAK MAP



Data as of 05 Jul 2022 5:00 PM EDT

Total Confirmed Cases	Number of Locations
6924	52

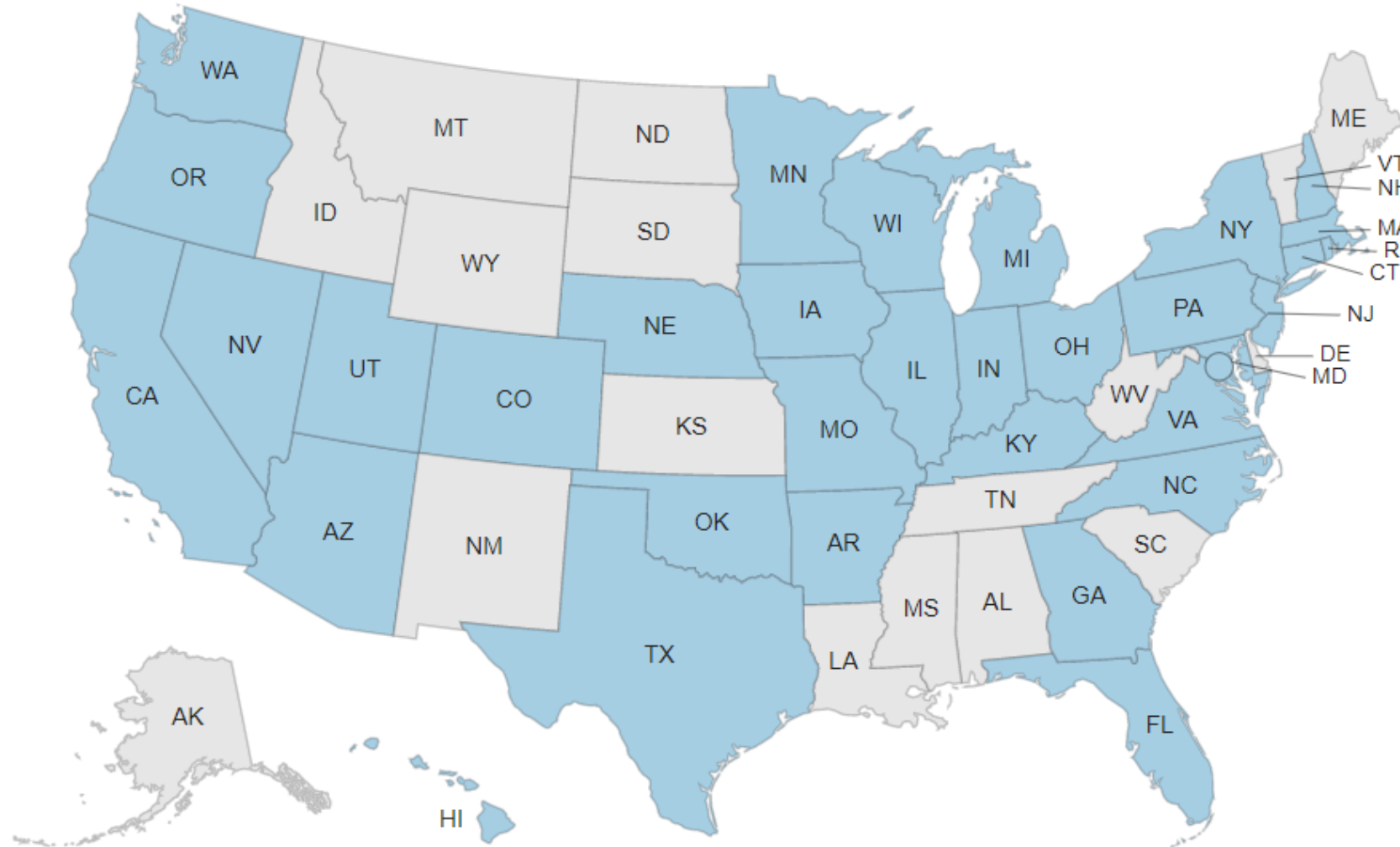
Countries, Territories, and Areas	Total Confirmed Cases
Netherlands	552
Norway	15
Peru	15
Poland	10
Portugal	415
Romania	11
Serbia	1
Singapore	1
Slovenia	12
South Africa	2
South Korea	1
Spain	1256
Sweden	28
Switzerland	121
Taiwan	1
Turkey	1
United Arab Emirates	13
United Kingdom	1235
United States	559
Venezuela	1

Total 6924

U.S. OUTBREAK MAP

As of 7/5/2022:

- 559 cases in the U.S.
- 1 case in Wisconsin



Territories

PR



SYMPTOMS

Monkeypox usually causes a self-limited illness, but may be severe in some individuals, such as children, pregnant women, or persons with immune suppression due to other health conditions (estimated 1% fatality, however no associated deaths with this outbreak).

- 1-3 days of prodromal symptoms (e.g., fever, lymphadenopathy, and other non-specific symptoms of headache, muscle aches, and malaise)
- A characteristic rash usually with lesions typically starts on the face or in the oral cavity and progresses through the face and extremities, including lesions on the palms and soles.
- Many patients in the current outbreak present with **atypical symptoms**:
 - No or mild prodromal symptoms
 - Rash has often begun in mucosal areas (e.g., genital, perianal, oral mucosa)
 - Characteristic monkeypox rash lesions in the genital and perianal region without dissemination

TIME COURSE AND ISOLATION

- **Incubation period:** 7-14 days (range from 5-21 days).
- **Infectious period:** 2-4 weeks, from the onset of prodromal symptoms until lesions have crusted and the scabs have separated and have been replaced with a fresh layer of healthy skin.
- Probable and confirmed case-patients should remain in isolation for the duration of their infectious period.
- Patients who do not require hospitalization but remain potentially infectious to others should isolate at home. This includes abstaining from contact with other persons and pets, and wearing appropriate personal protective equipment (e.g., clothing to cover lesions, face mask) to prevent further spread.

PREVENTION

- The CDC recommends the following steps to prevent getting monkeypox:
 - Avoid close, skin to skin contact with the monkeypox rash.
 - Do not touch the rash or scabs of person with monkeypox.
 - Do not kiss, hug, cuddle or have intimate contact with someone with monkeypox.
 - Do not share eating utensils or cups.
 - Do not handle or touch the bedding, towels, or clothing of a sick person.
 - Wash your hands often with soap and water or use an alcohol-based hand sanitizer, especially after contact with sick people.

INFANT FORMULA UPDATES



CITY OF MILWAUKEE
HEALTH DEPARTMENT

INFANT FORMULA

- Highly regulated by the FDA
- Few manufacturers in the US
- Benefits: safe, consistent recipes between brands
- Drawbacks: tenuous supply chain, lack of alternative

MHD RESPONSE

- WIC staff using liberalized formula options
- Working with providers for medical conditions
- Educating families on dangers of diluting formula or homemade formulas
- Enhanced breastfeeding resources
- State WIC and Medicaid connections and updates
- Facebook and social media messaging

QUESTIONS?



CITY OF MILWAUKEE
HEALTH DEPARTMENT