

COVID-19 AND MONKEYPOX UPDATE

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Commissioner of Health

BOARD OF HEALTH

NOVEMBER 3, 2022



LIVING YOUR BEST LIFE.




CURRENT CASE BURDEN

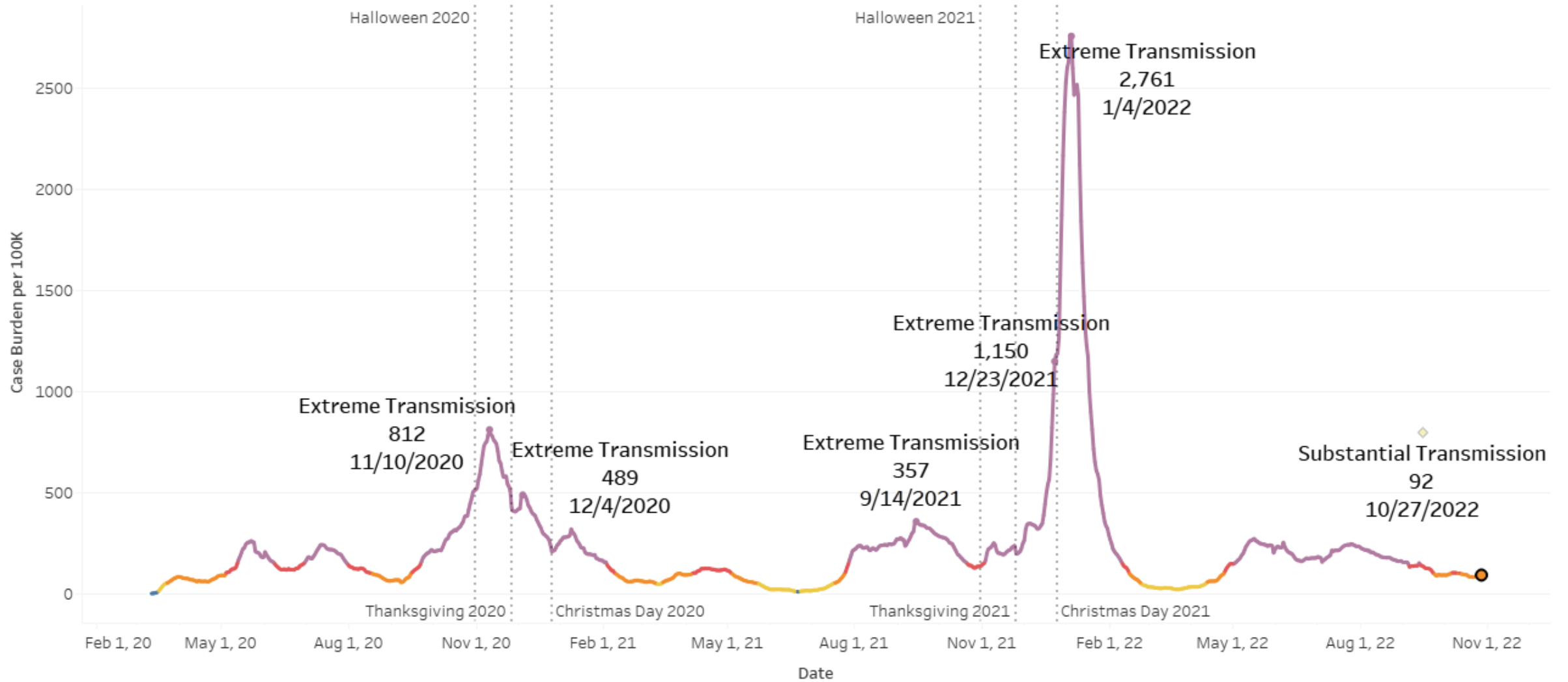


CITY OF MILWAUKEE
HEALTH DEPARTMENT

KEY METRICS

Key Indicator Statuses	
Percent Total City of Milwaukee Residents with Completed Primary COVID-19 Vaccine Series	Case Burden
<p>55.12%</p> <p><i>Note: Previously, the dashboard displayed vaccination rates for adult residents only. It now displays all city residents, including children. As a result, vaccination rates have dropped.</i></p>	<p>97.1 Confirmed Cases per 100K</p> 
CDC Community Levels (Updated Fridays)	14-Day Wastewater Trend for Milwaukee Jones Island
<p>MEDIUM COVID-19 COMMUNITY LEVEL</p> <p>You should:</p> <ul style="list-style-type: none">• Talk to your healthcare provider about whether you need to wear a mask and take other precautions if you're at high risk for severe illness• Stay up to date with COVID-19 vaccines• Get tested if you have symptoms	<p>Category: Moderate Trajectory: No alert</p> <p><i>Category: The average of the three most recent SARS-CoV-2 measurements is moderate compared to the past 6 months of data.</i></p> <p><i>Trajectory: Between 10/9/22 and 10/23/22, wastewater concentrations of SARS-CoV-2 in Milwaukee did not significantly increased.</i></p>

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: 11/1/2022 8:33:58 AM

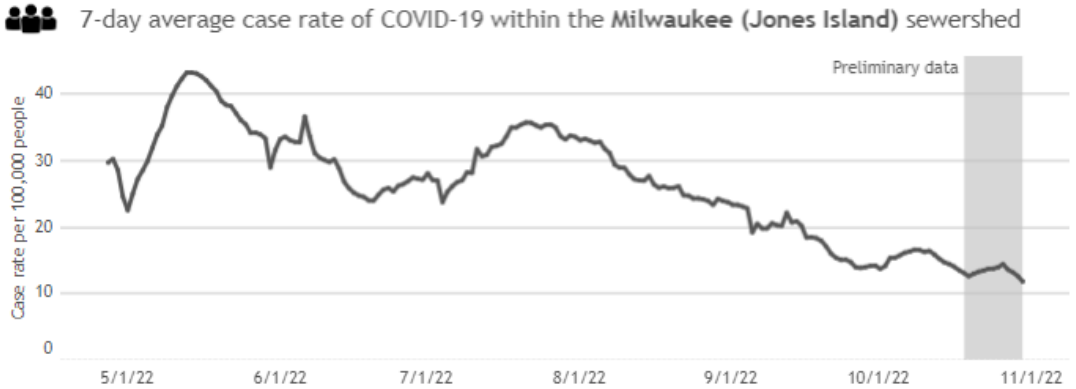
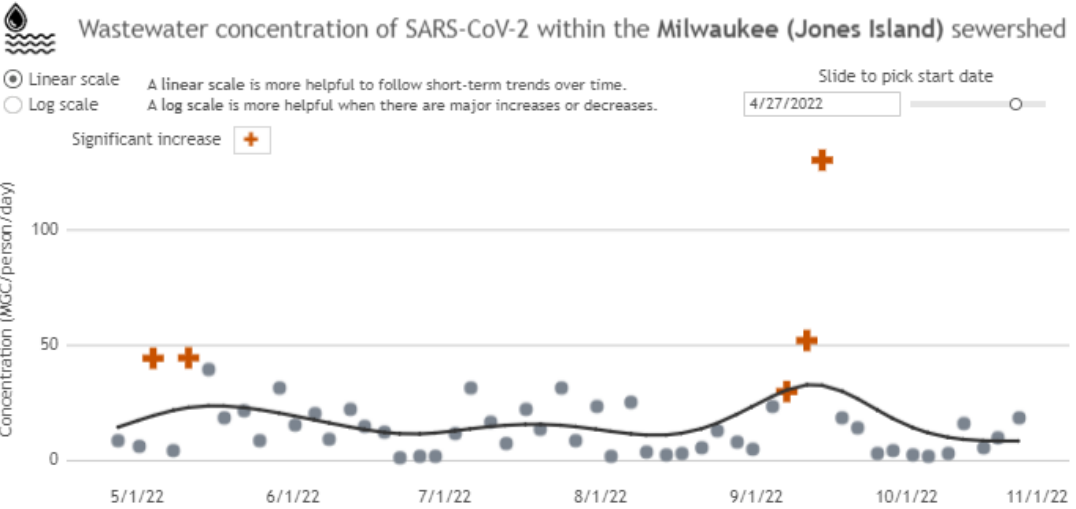
Sewershed-specific SARS-CoV-2 data

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

- Hartford
- Hayward
- Hudson
- Janesville
- Kenosha
- La Crosse
- Lodi
- Madison
- Manitowoc
- Marinette
- Marshfield
- Mauston
- Menomonie
- Merrill
- Milwaukee (Jones Island)
- Milwaukee (South Shore)
- Monroe
- Oconomowoc
- Oshkosh
- Peshtigo
- Platteville
- Plymouth
- Portage
- Racine
- River Falls
- Sheboygan
- Spencer
- Stevens Point
- Superior
- Sun Prairie
- Viroqua
- Watertown
- Wausau
- Algoma
- Beloit
- Berlin
- Burlington
- Cedarburg
- Chippewa Falls
- Grafton
- Heart of the Valley
- Lac du Flambeau
- Lake Geneva
- New Richmond
- Oregon

Milwaukee (Jones Island) | Category: Moderate | Trajectory: No alert

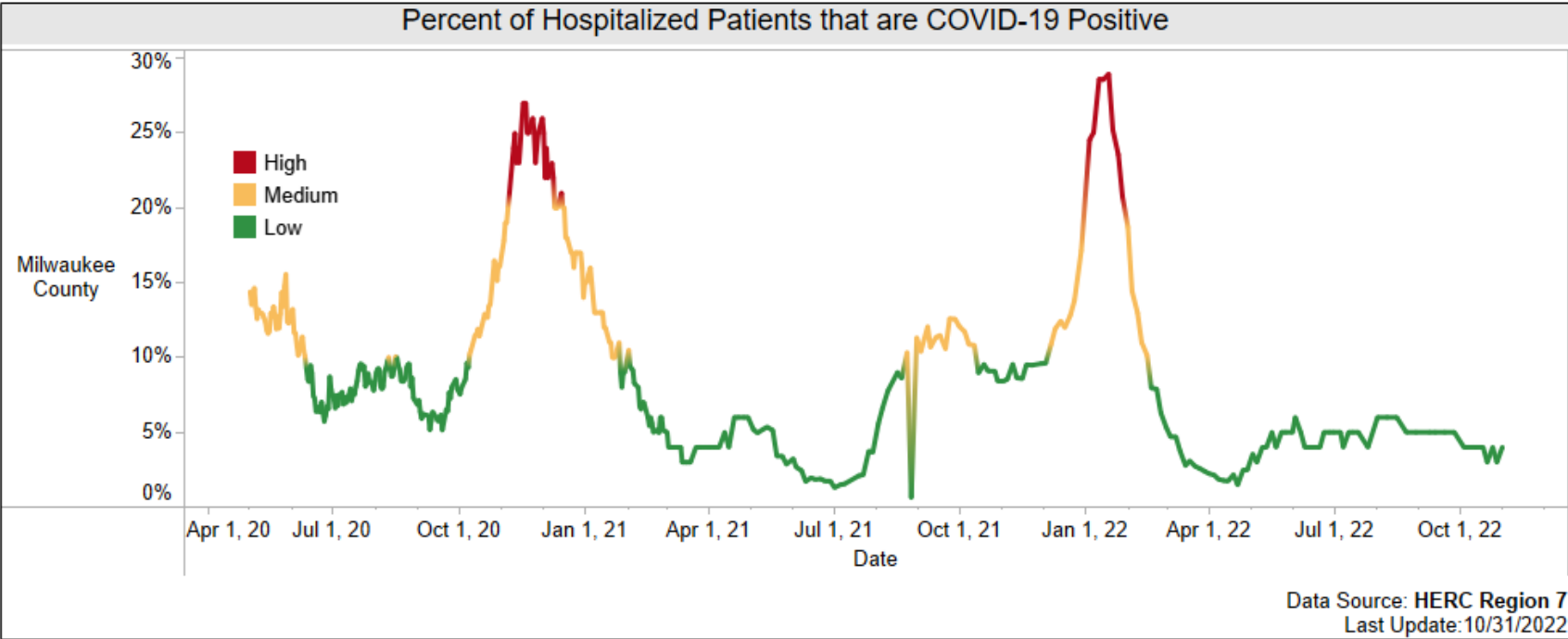
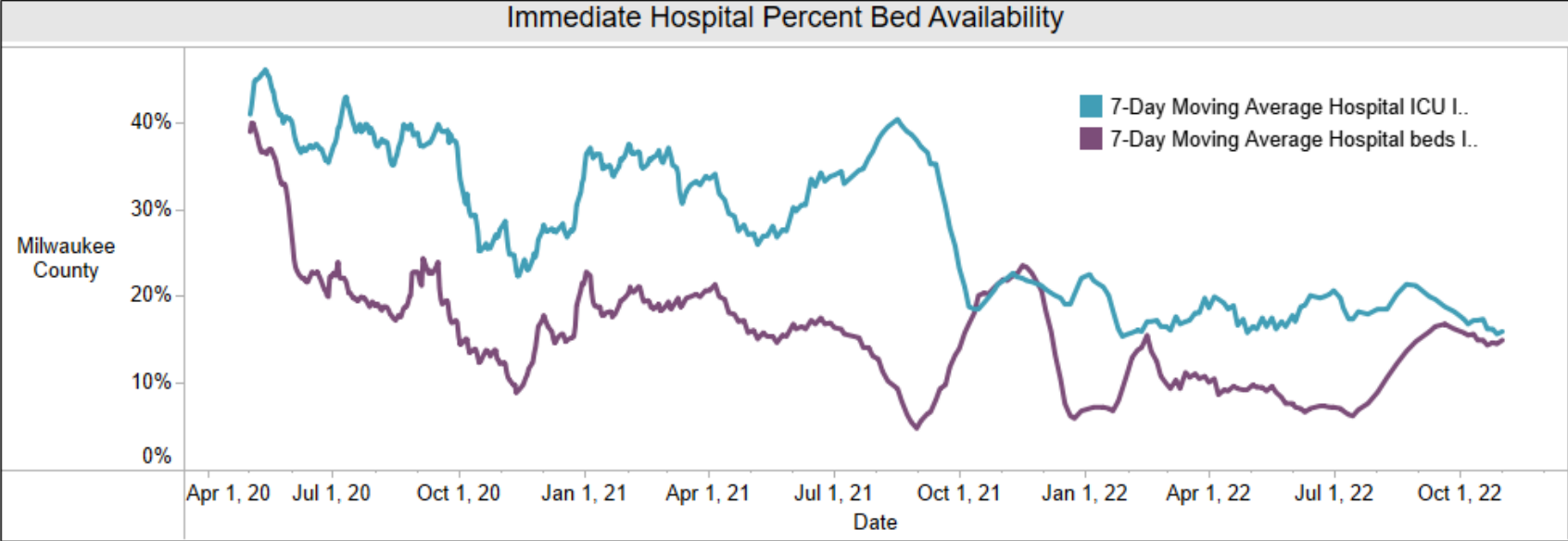
Estimated population served: 470,007



The average of the three most recent SARS-CoV-2 measurements is **moderate** compared to the past six months of data

Between 10/9/22 and 10/23/22, wastewater concentration of SARS-CoV-2 in Milwaukee (Jones Island) **did not significantly increase**

HOSPITALIZATIONS



VARIANTS IN WI

- Omicron is 100% of cases, subvariants of BA.5 are continuing to increase. BQ and BF variants are emerging



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: **27867**

B.1.617.2, All AY

Omicron

Last 30 Days: **158**

Total: **25934**

B.1.1.529, All BA

Data Updated:

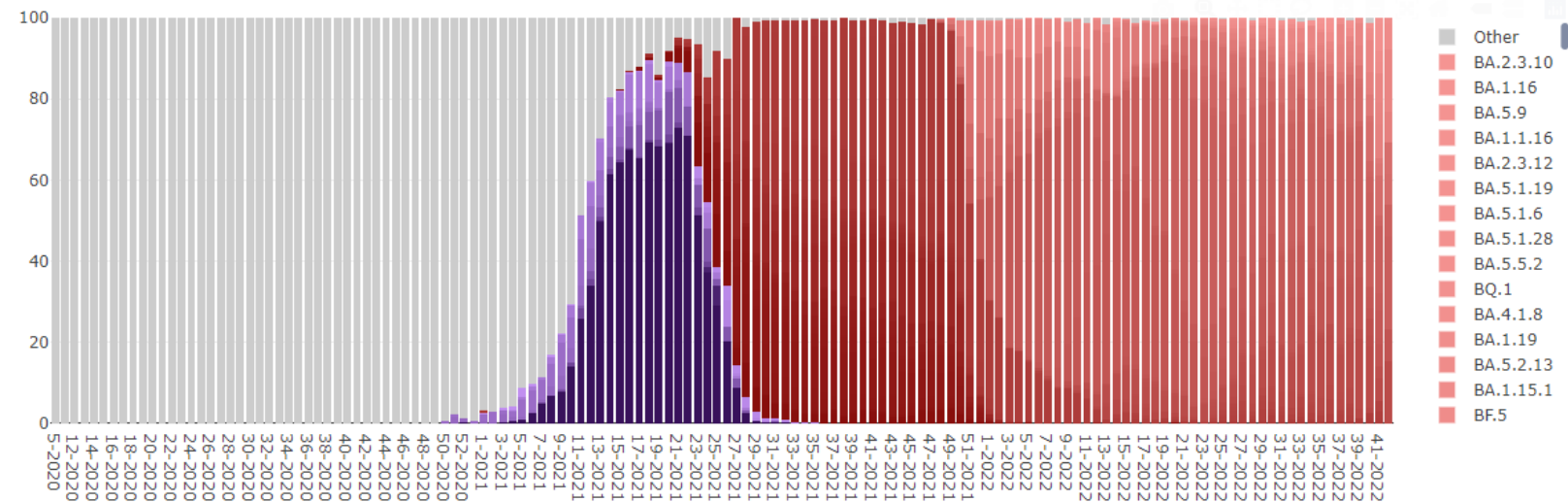
2022-11-01

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



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VACCINE UPDATE

- 65.5% of adults (16+) completed primary series
- 56.0% of total residents completed primary series
- 28.4% of total residents have received a booster



DEMOGRAPHIC TABLE

Vaccinated City of Milwaukee Residents By Race/Ethnicity

Race/Ethnicity	2019 ACS Population Estimate	At Least One Dose	Percent Population w/ At Least 1 Dose	Fully Vaccinated	Percent Population Fully Vaccinated	Boosted Individuals	Percent of Population Fully Vaccinated w/Booster
Black or African-American	227,829	110,339	48.4%	99,047	43.5%	44,591	7.5%
Hispanic or Latino	112,817	70,935	62.9%	64,365	57.1%	27,205	4.6%
Other Race	17,258	13,510	78.3%	12,248	71.0%	5,080	0.9%
American Indian or Alaska ..	2,763	2,171	78.6%	1,999	72.3%	998	0.2%
White	208,521	129,793	62.2%	123,489	59.2%	79,476	13.3%
Asian or Pacific Islander	25,360	21,105	83.2%	19,364	76.4%	8,142	1.4%
Grand Total	594,548	347,853	58.5%	320,512	53.9%	165,492	27.8%

Vaccinated City of Milwaukee Residents By Age Group

	2019 ACS Population Estimate	At Least One Dose	Percent of Population w/ At Least One Dose	Fully Vaccinated	Percent of Population Fully Vaccinated	Boosted	Percent of Population Fully Vaccinated w/Booster
Under 5 years	44,065	2,771	6.3%	1,068	2.4%	1	0.0%
5 to 11 years	61,519	16,766	27.3%	13,947	22.7%	2,292	3.7%
12 to 15 years	32,878	17,815	54.2%	15,976	48.6%	4,861	14.8%
16 to 19 years	36,222	19,141	52.8%	17,073	47.1%	5,644	15.6%
20 to 24 years	50,576	30,555	60.4%	26,949	53.3%	9,528	18.8%
25 to 34 years	101,565	65,004	64.0%	58,547	57.6%	24,653	24.3%
35 to 44 years	74,841	53,767	71.8%	49,567	66.2%	23,518	31.4%
45 to 54 years	66,835	48,871	73.1%	45,717	68.4%	25,025	37.4%
55 to 59 years	34,030	25,215	74.1%	23,921	70.3%	14,903	43.8%
60 to 64 years	29,689	24,755	83.4%	23,651	79.7%	16,463	55.5%
65 to 74 years	37,530	35,993	95.9%	34,722	92.5%	27,268	72.7%
75 to 84 years	16,494	13,937	84.5%	13,425	81.4%	10,656	64.6%
85 years and over	8,304	5,688	68.5%	5,380	64.8%	4,012	48.3%
Grand Total	594,548	360,278	60.6%	329,943	55.5%	168,824	28.4%

CDC UPDATES

CDC UPDATES

VACCINES

What You Need to Know

- Updated (bivalent) boosters became available **September 2, 2022**.
- Getting a COVID-19 vaccine after you recover from COVID-19 infection provides added protection against COVID-19.
- If you recently had COVID-19, you **may** consider [delaying your next vaccine dose \(primary dose or booster\)](#) by 3 months from when your symptoms started or, if you had no symptoms, when you first received a positive test.

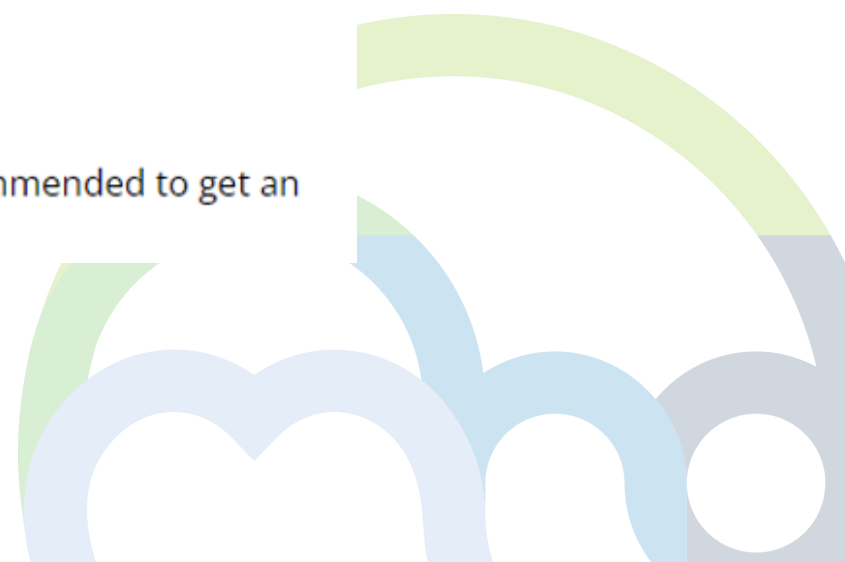


CDC recommends that people ages 5 years and older receive one updated (bivalent) booster if it has been at least 2 months since their last COVID-19 vaccine dose, whether that was:

- Their final primary series dose, or
- An original (monovalent) booster

People who have gotten more than one original (monovalent) booster are also recommended to get an updated (bivalent) booster.

[COVID-19 Vaccine Booster Shots | CDC](#)



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:

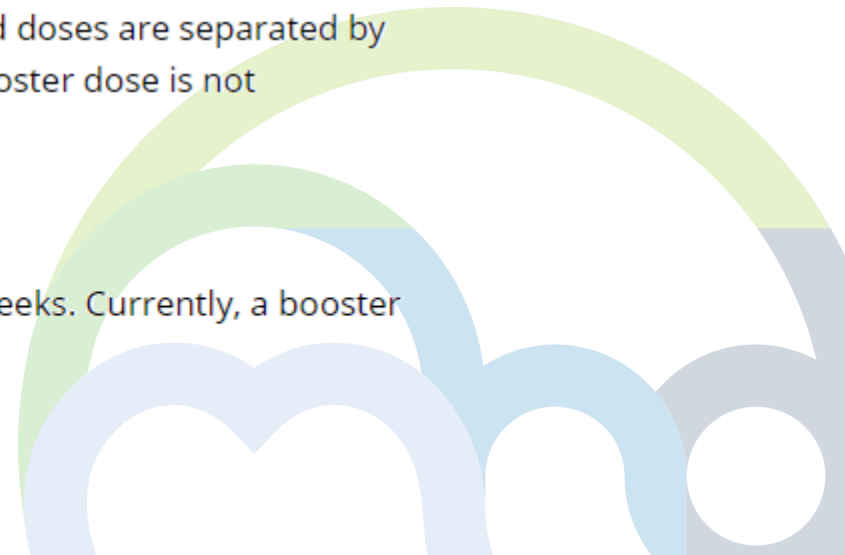
Pfizer-BioNTech COVID-19 Vaccine

- 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



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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

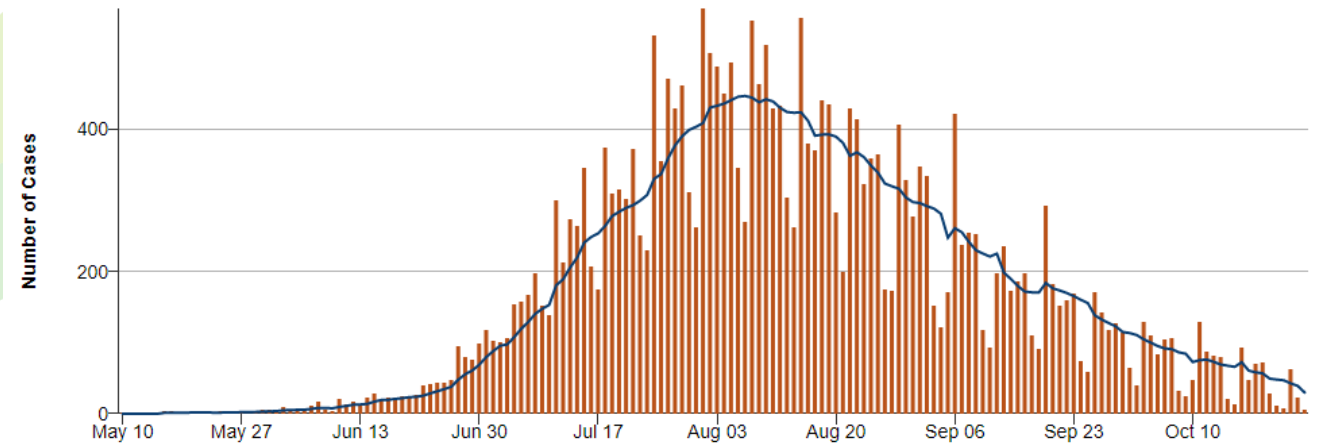


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CITY OF MILWAUKEE CASES

- First case identified July 8th, 2022
- 13 cases in July
- 16 cases in August
- 3 cases in September
- 3 cases in October
- 86 total cases in Wisconsin
- Nationally cases are plateauing

Daily Monkeypox Cases Reported* and 7 Day Daily Average



SYMPTOMS

- People with monkeypox get a rash that may be located on or near the genitals (penis, testicles, labia, and vagina) or anus (butthole) and could be on other areas like the hands, feet, chest, face, or mouth.
- The rash will go through several stages, including scabs, before healing.
- The rash can initially look like pimples or blisters and may be painful or itchy.

HOW IT SPREADS

- Monkeypox can spread to anyone through close, personal, often skin-to-skin contact, including:
- Direct contact with monkeypox rash, scabs, or body fluids from a person with monkeypox.
- Touching objects, fabrics (clothing, bedding, or towels), and surfaces that have been used by someone with monkeypox.
- Contact with respiratory secretions.

TREATMENT

ANTIVIRAL

- Monkeypox and smallpox viruses are genetically similar, which means that antiviral drugs and vaccines developed to protect against smallpox may be used to prevent and treat monkeypox virus infections.
- Antivirals, such as tecovirimat (TPOXX), may be recommended for people who are more likely to get severely ill, like patients with weakened immune systems.
- Most people with monkeypox recover fully within 2 to 4 weeks without the need for medical treatment.

TREATMENT

VACCINE

- Two vaccines may be used for the prevention of monkeypox disease:
 - JYNNEOS vaccine is approved for the prevention of monkeypox and smallpox disease.
 - ACAM2000 vaccine is approved for immunization against smallpox disease and made available for use against monkeypox under an Expanded Access Investigational New Drug (EA-IND) protocol.
- People can be vaccinated after exposure to monkeypox virus to help prevent monkeypox disease (i.e., post-exposure prophylaxis).

QUESTIONS?



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