

COVID UPDATE

Kirsten Johnson
Commissioner of Health

PUBLIC SAFETY AND HEALTH COMMITTEE JANUARY 7, 2022

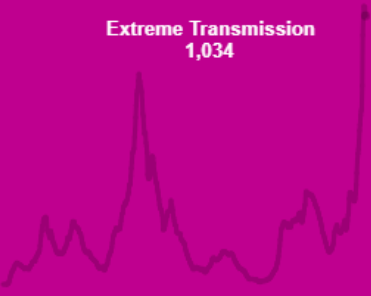



LIVING YOUR BEST LIFE.



CURRENT CASE BURDEN

KEY METRICS

<p>Key Indicator Statuses Updated on Tuesdays & Thursdays Last Updated: January 6, 2022</p>	<p>Return to Overview</p>
<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) \geq 150</p>	<p>Extreme Transmission 1,034</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 38.5%</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>61.1%</p>

*Note that these metrics are preliminary and may be improved based on best practices for the City of Milwaukee
*Metrics exclude last 4 days of data due to delays in reporting.

Moving Milwaukee Forward Safely

Gating Metric Review October 28-January 6

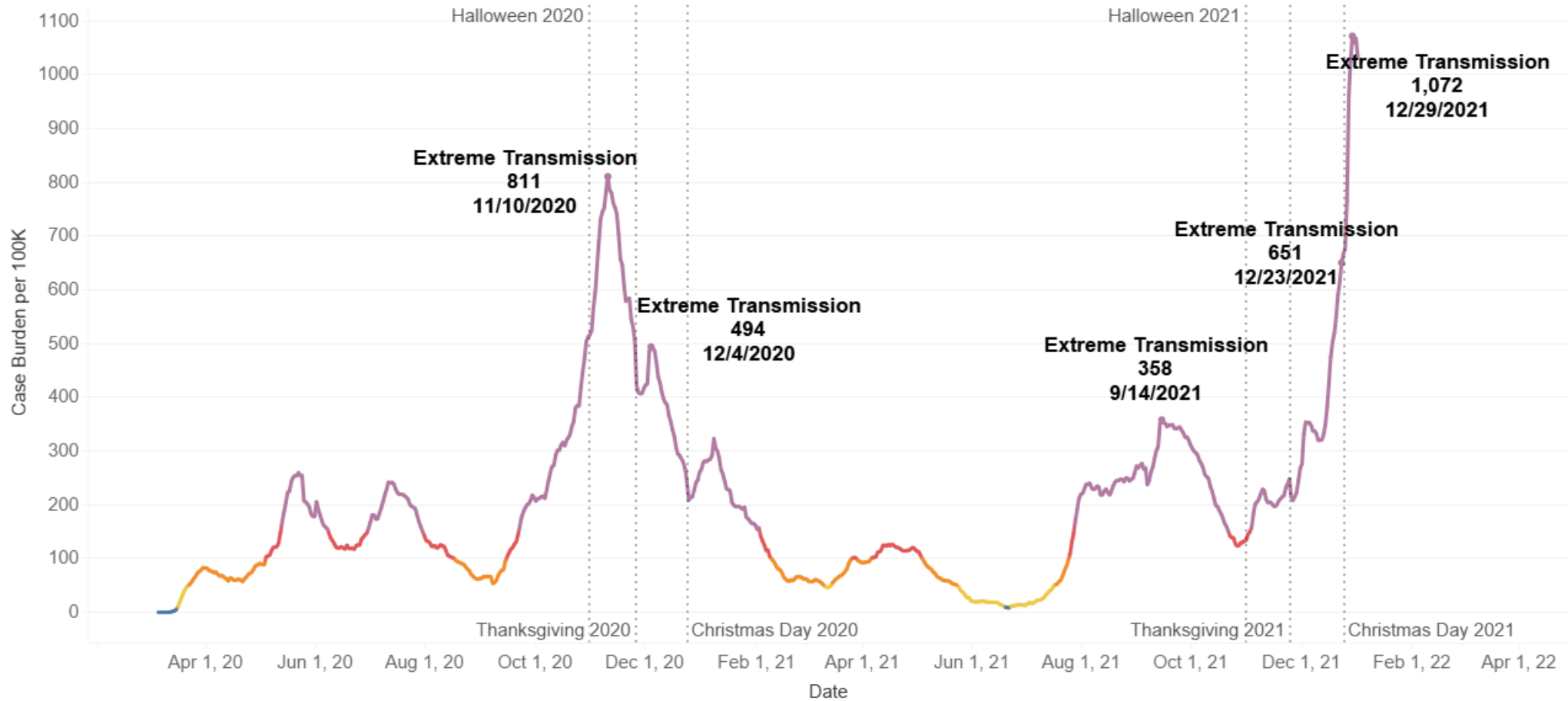


Metric	Status – Oct. 28	Status – Nov. 4	Status – Nov. 11	Status – Nov. 18	Status – Dec. 2	Status – Dec. 9	Status – Dec. 16	Status – Dec. 23	Status – Dec. 30	Status – Jan. 6
This metric determines current disease burden. Increased burden increases rates of transmission										
Rate of COVID-19 cases per 100,000 over 7 days	Red High Transmission 135.2	Red High Transmission 126.6	Purple Extreme Transmission 166.1	Purple Extreme Transmission 202.5	Purple Extreme Transmission 215.7	Purple Extreme Transmission 331.4	Purple Extreme Transmission 318.6	Purple Extreme Transmission 473.6	Purple Extreme Transmission 571.7	Purple Extreme Transmission 1,034.1
This metric determines percent positivity. Percent positivity indicates test availability and transmission trends										
Percentage test positivity over 7 days	Yellow Moderate Transmission 5.5%	Yellow Moderate Transmission 5.8%	Yellow Moderate Transmission 6.6%	Yellow Moderate Transmission 7.5%	Orange Substantial Transmission 9.1%	Red High Transmission 10.5%	Red High Transmission 10.5%	Purple Extreme Transmission 14.3%	Purple Extreme Transmission 23.8%	Purple Extreme Transmission 38.5%
Vaccination rate is calculated based on the City of Milwaukee’s adult population (individuals 16 or older)										
City Adult Vaccination Rate	58.3%	58.4%	58.9%	58.9%	59.8%	60.2%	60.5%	60.7%	61.0%	61.1%

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: 1/6/2022 11:30:54 AM

COVID-19 Wastewater Surveillance in Wisconsin

Date Updated: 1/4/2022

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

**Milwaukee MSD
Jones Island**



SARS-CoV-2 Concentration:
No Significant Change
from 12/12/21 to 12/26/21



COVID-19 Case Trajectory:
No Significant Change
from 12/20/21 to 1/4/22

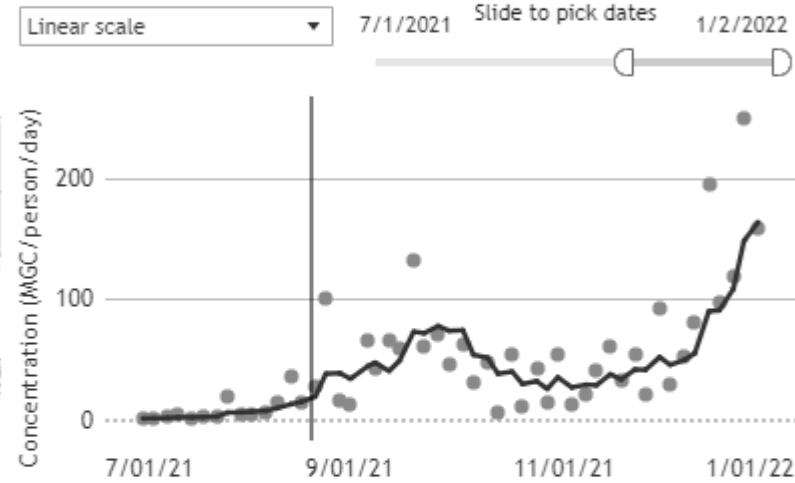
- Appleton WWTF ↔
- Ashland Sewage Uti.. ↓
- Baraboo WWTF ↔
- Berlin WWTF ↔
- Black River Falls W.. ↔
- Clintonville Waste.. ↔
- Columbus WWTF ↔
- De Pere WWTF ↑
- Eau Claire WWTF ↔
- Fox River WPCP ↔
- Green Bay MSD ↔
- Hartford WPCF ↔
- Hayward WPCF ↔
- Hudson WWTF ↔
- Janesville WWTP ↔
- Kenosha WWTF ↔
- La Crosse WWTP ↔
- Lac du Flambeau T.. ↓
- Lake Geneva WWTP ↑
- Lodi WWTF ↔
- Madison MSD WWTF ↔
- Manitowoc WWTF ↔
- Marinette Wastewa.. ↔
- Marshfield WWTF ↔

Estimated Population Served: 470,007

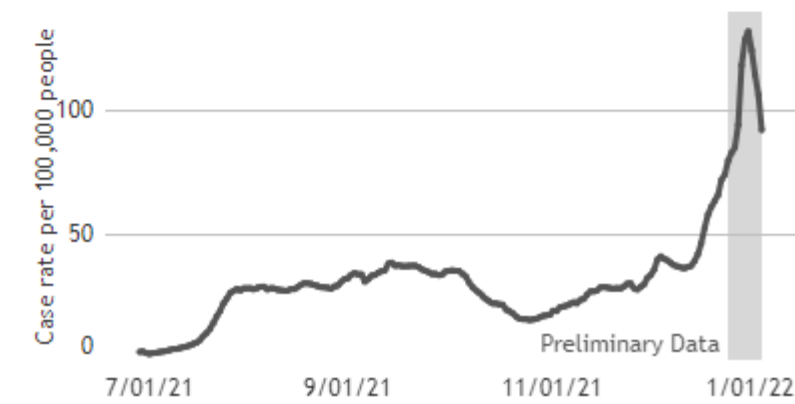


- Sustained Increase ↑
- Increase ▲
- No Significant Change ↔
- Decrease ▼
- Sustained Decrease ↓
- No Longer Measuring ⊗

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



VARIANTS IN WI

- Omicron is 88% of cases

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

enabled by data from 

Sequencing Report **Variant Report** Geographical Report About the Data

Delta
Last 30 Days: **1984**
Total: **26131**
B.1.617.2, All AY

Omicron
Last 30 Days: **844**
Total: **861**
B.1.1.529/BA.1

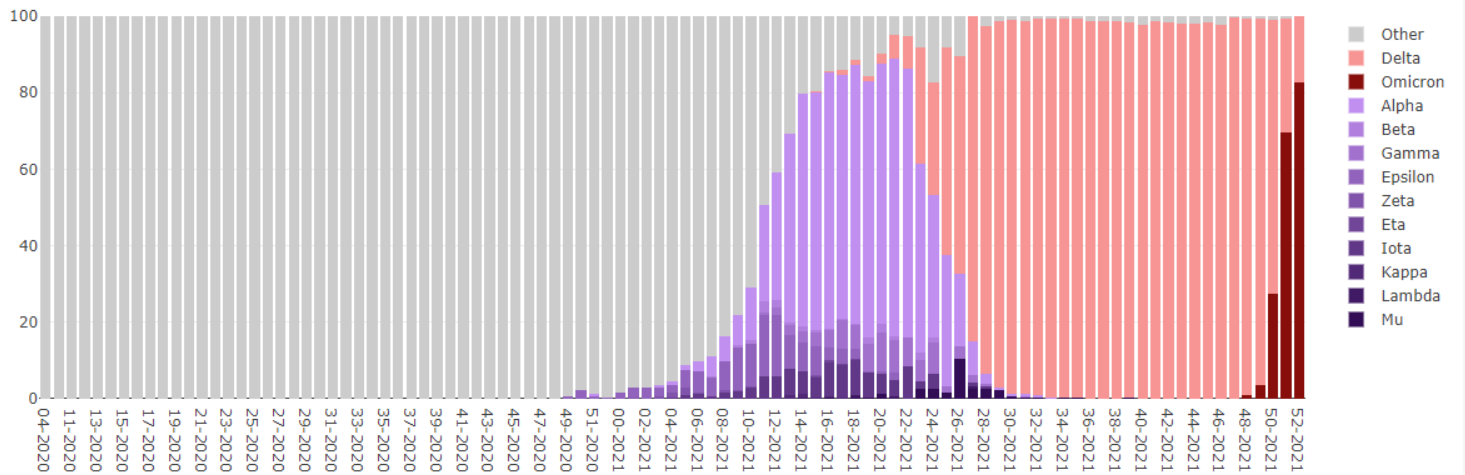
Data Updated:
2022-01-06

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

WHO

VACCINATIONS

VACCINE UPDATE

- 61% Fully Vaccinated
- 66.2% Single Dose

- 46.5% 12-15 Year Olds with at least one dose



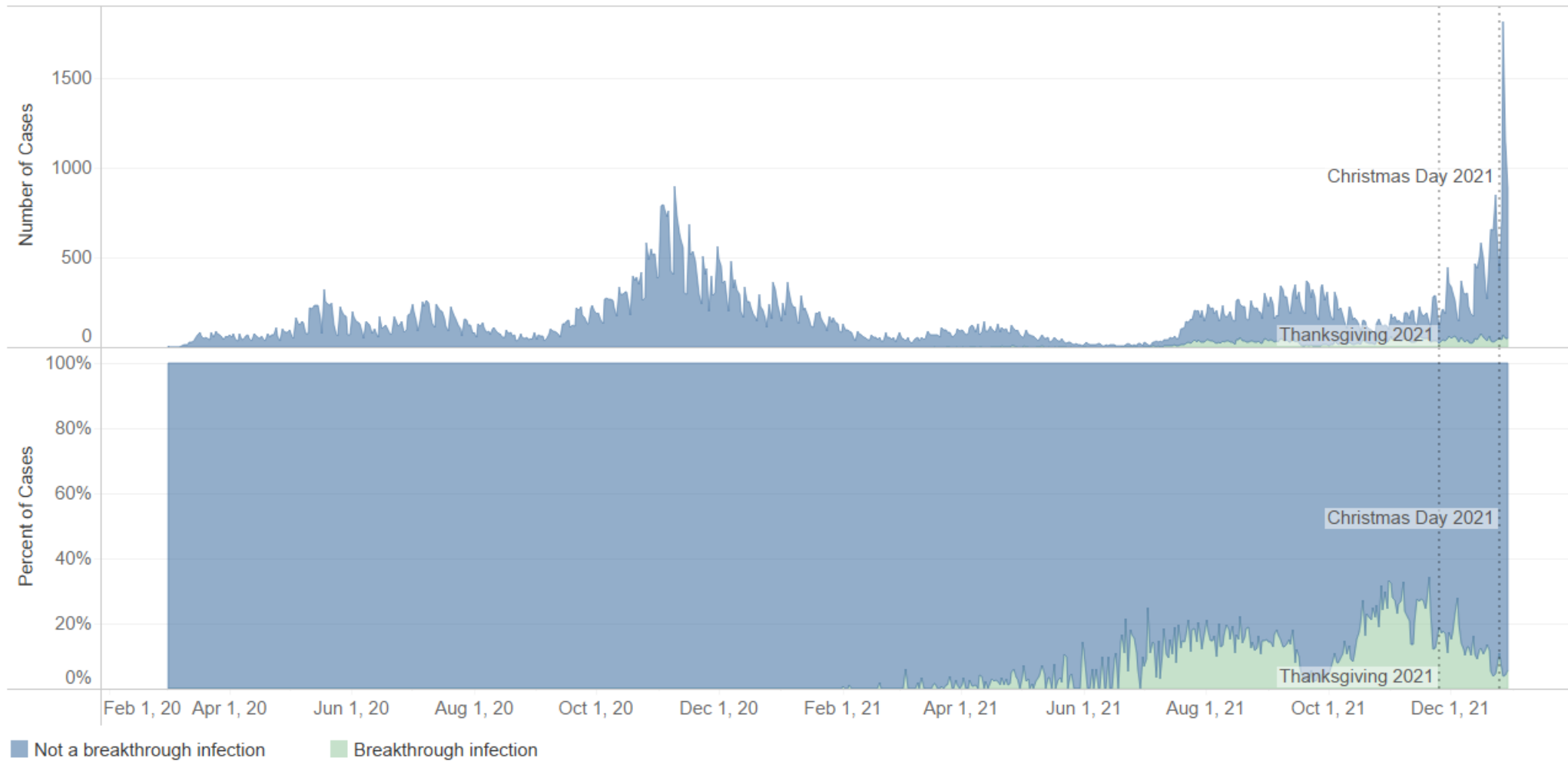
DEMOGRAPHIC TABLE

Vaccinated City of Milwaukee Residents By Race/Ethnicity								
Race/Ethnicity	2019 ACS Population Estimate	At Least 1 Dose	Percent Population with At Least One Dose	Fully Vaccinated	Fully Vaccinated Percentage of Race/Ethnic Group	Boosted Individuals	Percent of Fully Vaccinated with Booster	
Black or African-American	227,829	94,421	41.4%	83,758	36.8%	24,538	29.3%	
Hispanic or Latino	112,817	62,905	55.8%	56,291	49.9%	12,603	22.4%	
Other Race	17,258	16,170	93.7%	14,640	84.8%	5,019	34.3%	
American Indian or Alaska Native	2,763	1,973	71.4%	1,796	65.0%	629	35.0%	
White	208,521	121,079	58.1%	114,394	54.9%	57,625	50.4%	
Asian or Pacific Islander	25,360	18,328	72.3%	16,550	65.3%	3,960	23.9%	
Unknown		12,099		10,240		1,954	19.1%	
Grand Total	594,548	326,975		297,669		106,328	35.7%	

Vaccinated City of Milwaukee Residents By Age Group								
	2019 ACS Population Estimate	At Least 1 Dose	Age Percent of Population with 1 or more doses	Fully Vaccinated	Fully Vaccinated Percent of Age Group Population	Boosted Individuals	Percent of Fully Vaccinated with Booster	
5 to 11 years	61,519	8,960	14.6%	5,212	8.5%	0	0.0%	
12 to 15 years	32,878	15,372	46.8%	13,564	41.3%	141	1.0%	
16 to 19 years	36,222	16,953	46.8%	15,023	41.5%	1,948	13.0%	
20 to 24 years	50,576	27,371	54.1%	24,350	48.1%	4,820	19.8%	
25 to 34 years	101,565	59,522	58.6%	53,606	52.8%	15,527	29.0%	
35 to 44 years	74,841	50,382	67.3%	46,149	61.7%	14,695	31.8%	
45 to 54 years	66,835	46,579	69.7%	43,263	64.7%	15,351	35.5%	
55 to 59 years	34,030	24,222	71.2%	22,739	66.8%	9,741	42.8%	
60 to 64 years	29,689	23,918	80.6%	22,600	76.1%	11,458	50.7%	
65 to 74 years	37,530	34,607	92.2%	33,057	88.1%	20,973	63.4%	
75 to 84 years	16,494	13,513	81.9%	12,858	78.0%	8,477	65.9%	
85 years and over	8,304	5,564	67.0%	5,239	63.1%	3,196	61.0%	
Grand Total	594,548	326,975		297,669		106,328	35.7%	

Data Source: Wisconsin Immunization Registry (WIR) via DHS
Last Updated: 1/6/2022

BREAKTHROUGH CASES



BREAKTHROUGHS

TRACKING BREAKTHROUGH CASES

- Current recommendation for positive individuals includes using texting features (i.e. tellyourcontacts.org) and working with contact tracers
- Contact tracing is currently prioritized to 18 and younger
- Prioritizations are evaluating on a daily basis based on current volumes

ANTIGEN TEST REPORTING

ANTIGEN TEST REPORTING

- Antigen tests are effective means of quickly testing symptomatic individuals¹
 - Positive antigen tests should be reported to healthcare providers but often go unreported
 - Early data suggests that antigen tests do detect the omicron variant but may have reduced sensitivity.²
- MHD stood up a online portal for clinics conducting antigen testing to report out their positive test results on 12/22/2022
- As of 1/6/2022, 46 total, 9 positive (19.6%) antigen test results have been reported through portal
 - Likely due to workloads cases are not being reported through this mechanism
- Plans to expand this reporting mechanism to all city residents are being discussed

MASK GUIDANCE



CITY OF MILWAUKEE
HEALTH DEPARTMENT

CURRENT CDC GUIDANCE

- Masks should be worn in public indoor settings in areas of substantial or high community transmission, regardless of vaccination status¹.
- Masks continue to be required on public transportation and while indoors at transportation hubs².
- N95s should continue to be prioritized for healthcare workers².

Why Cloth Masks Might Not Be Enough as Omicron Spreads

Time it takes to transmit an infectious dose of Covid-19

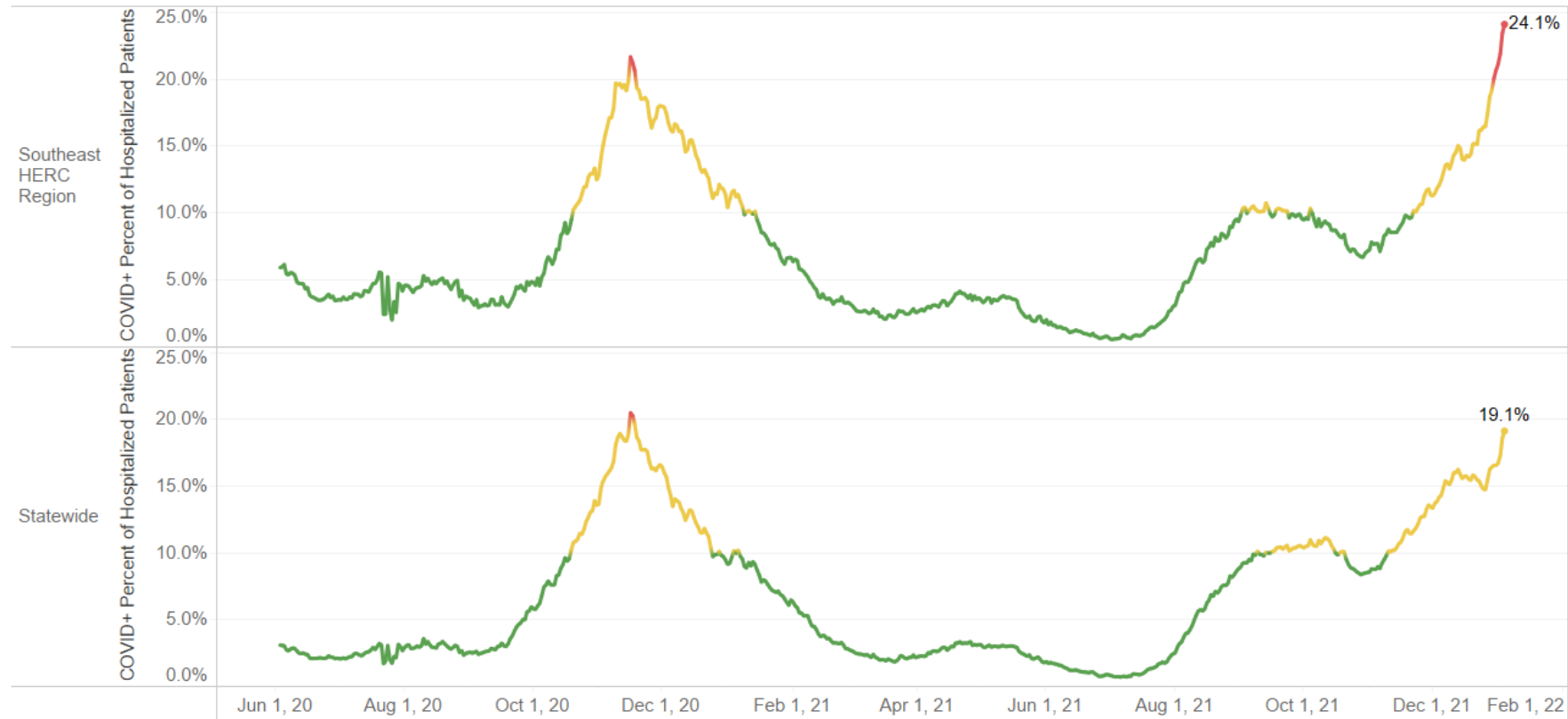
		PERSON NOT INFECTED IS WEARING			
		Nothing	Cloth mask	Surgical mask	N95
PERSON INFECTED IS WEARING	Nothing	15 min.	20 min.	30 min.	2.5 hours
	Cloth mask	20 min.	27 min.	40 min.	3.3 hours
	Surgical mask	30 min.	40 min.	1 hour	5 hours
	N95	2.5 hours	3.3 hours	5 hours	25 hours

It will take 25 hours for an infectious dose of Covid-19 to transmit between people wearing non-fit-tested N95 respirators. If they're using tightly sealed N95s—where only 1% of particles enter the facepiece—they will have 2,500 hours of protection.

Note: Results published in Spring 2021. The CDC expects the Omicron variant to spread more easily.
Source: ACGIH's Pandemic Response Task Force

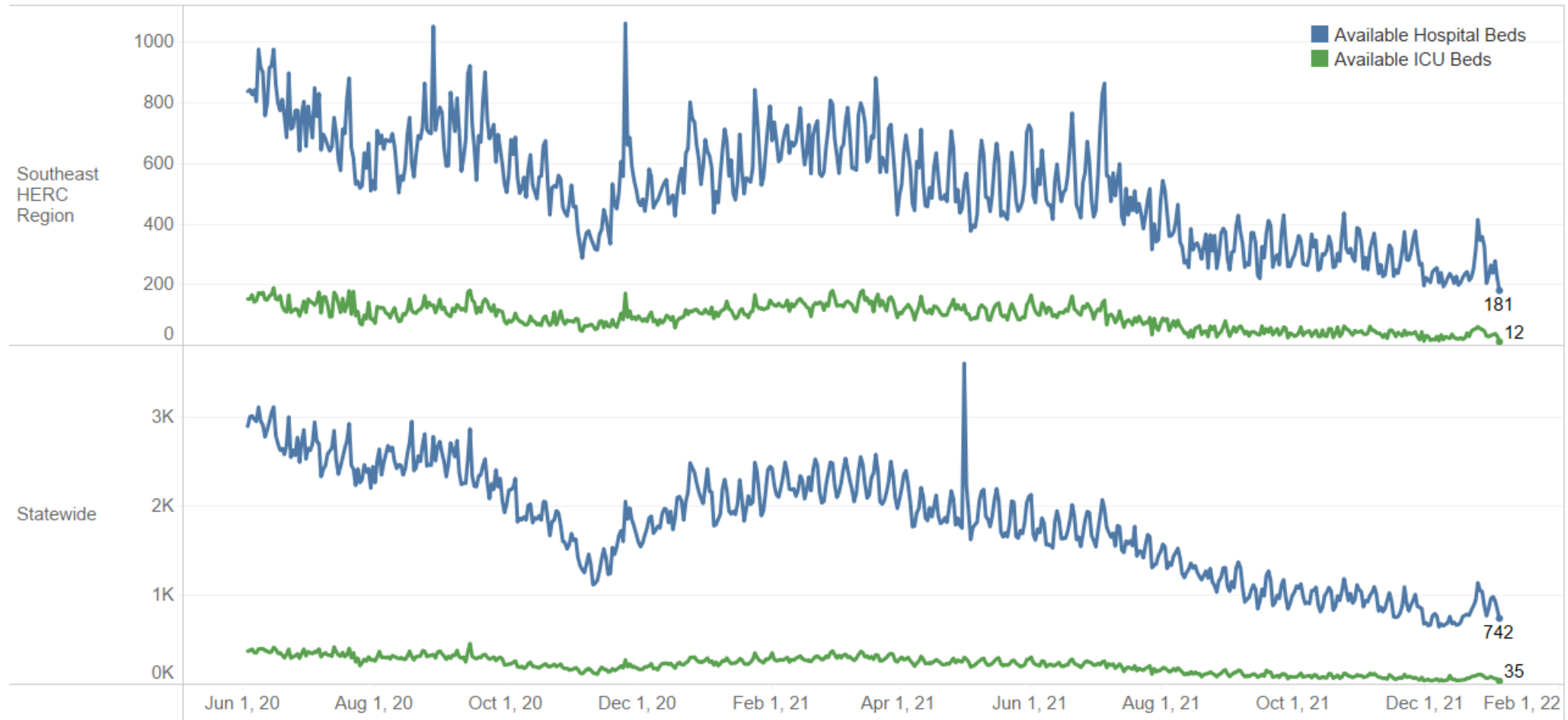
HOSPITAL CAPACITY

PERCENT OF HOSPITALIZED PATIENTS WITH COVID-19



Data Source: EMResource via DHS
Last Updated: 1/5/2022

HOSPITAL BED AVAILABILITY



Data Source: EMResource via DHS
Last Updated: 1/5/2022

TESTING SITE AND HOURS

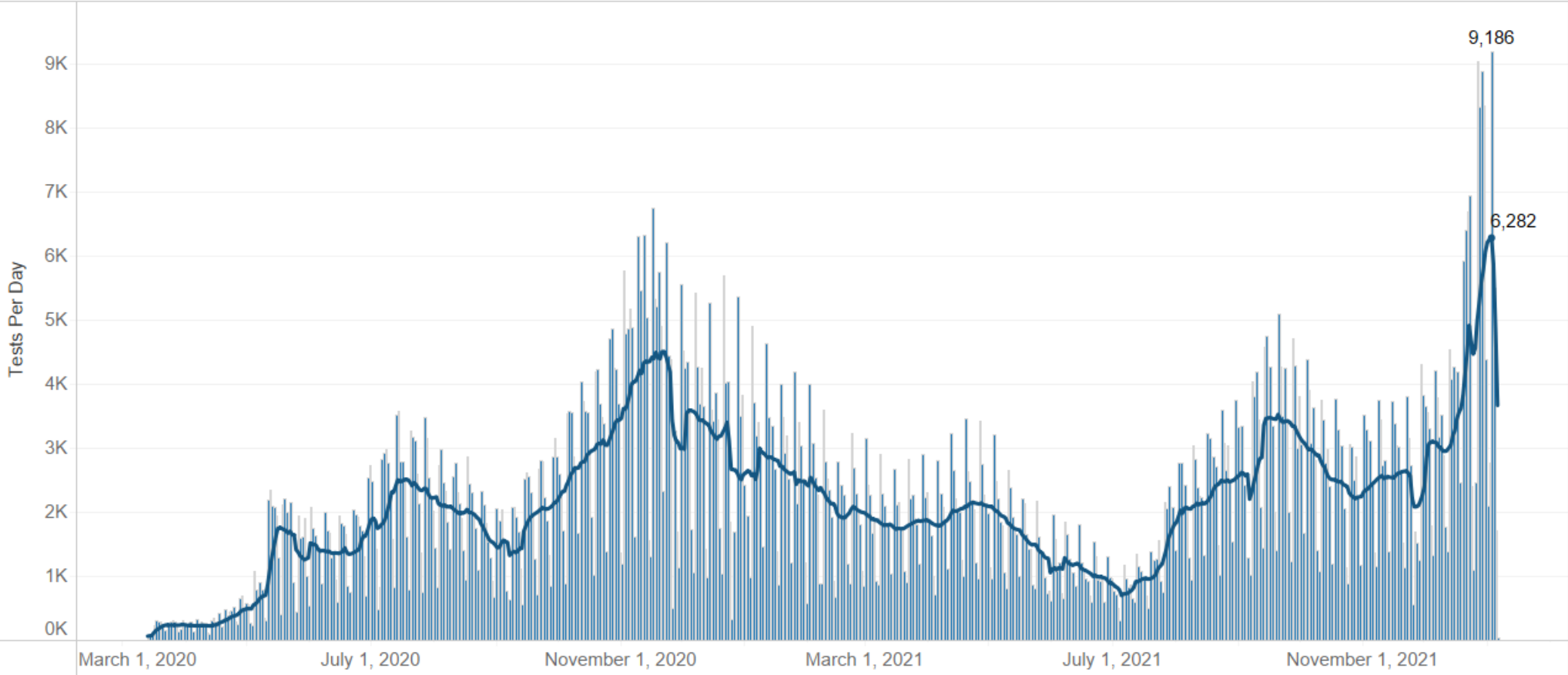
TESTING HOURS

[COVID-19 TESTING \(MILWAUKEE.GOV\)](https://www.milwaukee.gov)

- MHD mobilized additional hours and staffing to plan for and respond to testing needs
- In total, 13,821 tests were completed the last two weeks of December 2021 at MHD's three sites.
 - Each week's total number of tests were nearly double the prior week's total
- 7-day testing average in the city peaked at 9,186 tests (37.3% positivity) on 1/3/2022

TESTING VOLUMES

COVID-19 PCR Tests for City of Milwaukee Residents with 7-Day Rolling Average



Data Source: Wisconsin Electronic Disease Surveillance System (WEDSS) via DHS
Last Updated: 1/6/2022 11:56:16 AM

TESTING HOURS

[COVID-19 TESTING \(MILWAUKEE.GOV\)](https://www.milwaukee.gov)

Northwest Health Center, 7630 W. Mill Road

Drive-thru garage – Enter at Mill Road Library, 6431 N. 76th St.

- Monday & Friday: 9 a.m. - 3 p.m.
- Tuesday & Thursday: 12 - 6 p.m.
- Saturday: 9 a.m. - 1 p.m.

Menomonee Valley Site, 2401 W. St. Paul Ave.

Drive-thru garage

- Monday, Wednesday, Fridays: 12 - 6 p.m.
- Tuesday & Thursday: 9 a.m. - 3 p.m.

Southside Health Center, 1639 S. 23rd St.

Drive-thru heated tent in North parking lot - Enter on 24th St.

- Monday & Friday: 9 a.m. - 3 p.m.
- Tuesday & Thursday: 12 - 6 p.m.
- Saturday: 9 a.m. - 1 p.m.

MENOMONEE VALLEY

1:46PM, THURSDAY, JANUARY 6, 2022



QUESTIONS?