

# Milwaukee Respiratory Virus Surveillance Update

## MMWR Week 34, Ending August 24, 2024

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## Overview

### County

- There were 1 influenza-associated hospitalizations reported in Milwaukee County during the week ending on August 24, 2024. From October 1, 2023 through August 24, 2024, there have been 695 reported influenza-associated hospitalizations in Milwaukee County (531 City of Milwaukee residents).

### State

- Emergency department (ED), laboratory testing, hospitalization, and wastewater data all show that COVID-19 activity is elevated.
- ED visit data show that COVID-19 activity is increasing most among children under 5 years and people 65 years and older.
- Influenza and RSV continued to circulate at low levels in Wisconsin.

### National

- Seasonal influenza activity remains low nationally. This week, no jurisdictions experienced moderate, high, or very high activity.
- 1 influenza-associated pediatric deaths occurred during this week.
- Influenza A viruses were the most frequently reported this week.

**Influenza Vaccine Composition 2022-2023 Influenza Season** All standard-dose flu shots will be quadrivalent (no trivalent standard-dose flu shots will be available this season). The quadrivalent vaccines for use in the 2023-2024 influenza season contain the following:

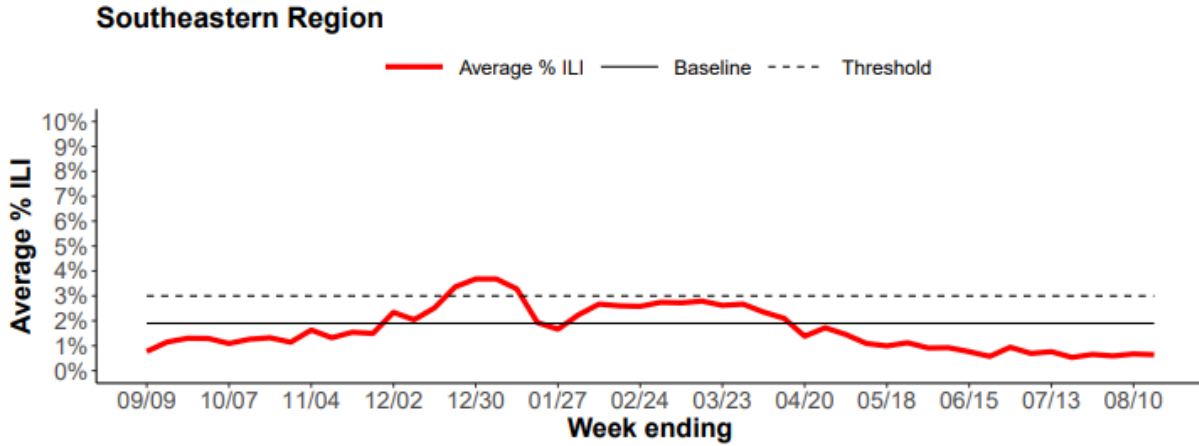
- an A/Victoria/4897/2022 (H1N1)pdm09-like virus;
- an A/Darwin/9/2021 (H3N2)-like virus;
- a B/Austria/1359417/2021 (B/Victoria lineage)-like virus; and
- a B/Phuket/3073/2013 (B/Yamagata lineage)-like virus

### CDC Pediatric Data (Since Week 40)

2023-24 To Date: Total Deaths	2022-23 To Date: Total Deaths	Pediatric Deaths This Week	Notes on Deaths
195	186	1	One influenza-associated pediatric death occurring during the 2023-2024 season was reported to CDC during Week 34. The death was associated with an influenza A(H3) virus and occurred during Week 5 (the week ending February 3, 2024).

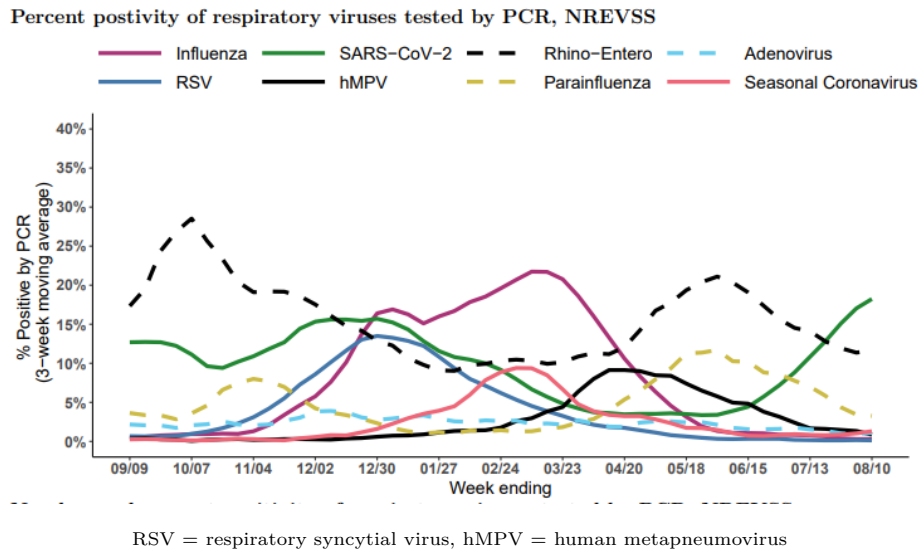
## Statewide and Regional Influenza Activity

Influenza-like illness levels were below baseline statewide and below baseline in the southeastern region of the state.



Wisconsin Department of Health Services Respiratory Virus Surveillance Report, August 24, 2024

## Respiratory Virus Laboratory Surveillance

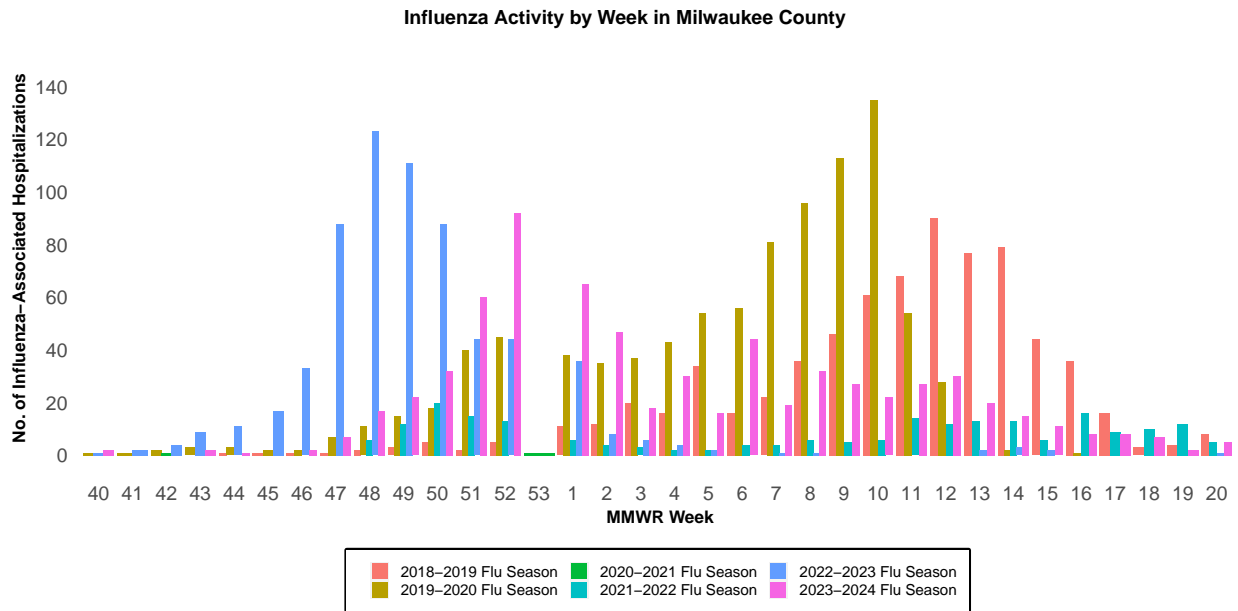


Wisconsin Department of Health Services Respiratory Virus Surveillance Report, August 24, 2024

## Milwaukee County Influenza Activity

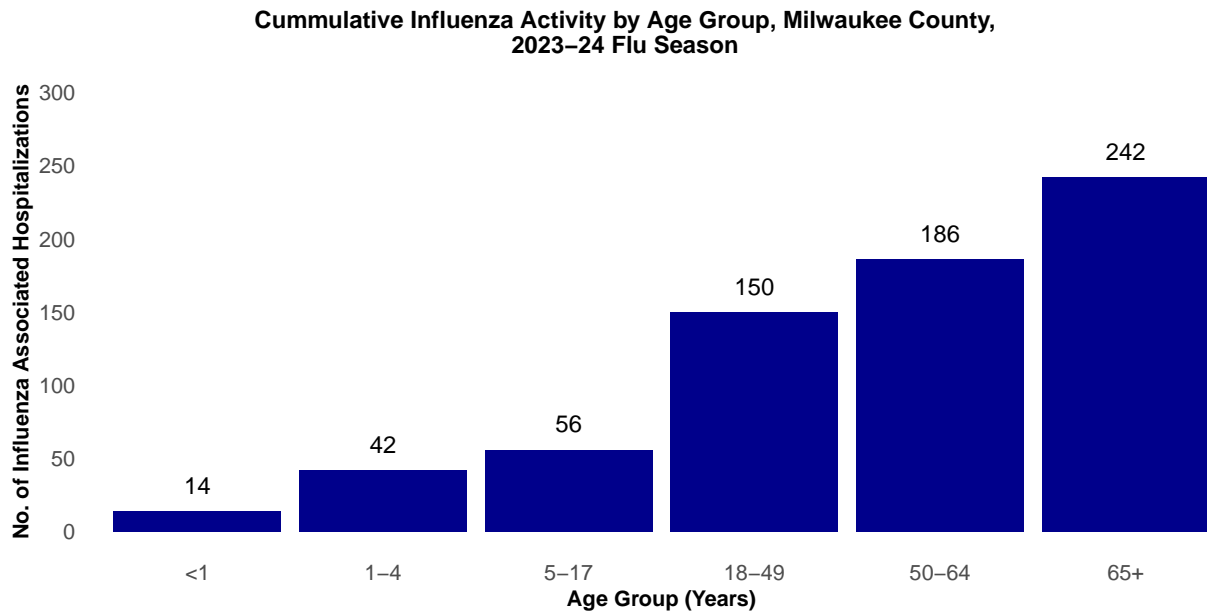
From October 1, 2023 through August 24, 2024 there have been 695 reported influenza-associated hospitalizations in Milwaukee County.

### Milwaukee County Influenza-Associated Hospitalizations



\*Flu activity was unusually low in the 2020-2021 flu season, despite high levels of testing. COVID-19 mitigation measures such as wearing face masks, social distancing, staying home, and school closures, in addition to flu vaccination, likely contributed to the low flu activity during this season.

### Milwaukee County Influenza-Associated Hospitalizations by Age Group MMWR Week 40, 2023 through Week 34, 2023



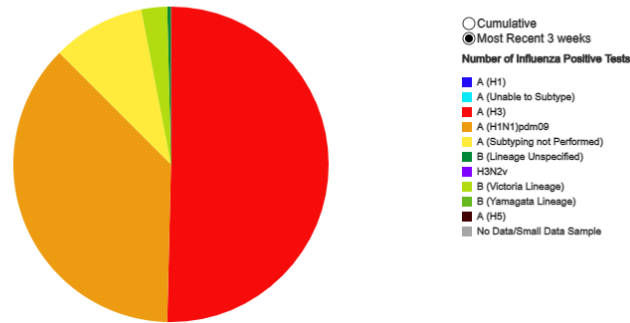
## Influenza Testing Data

### Public Health Laboratory Influenza Testing Data To-Date (Since Week 40)

Lab	Number Tested to date	Number Positive to date	Most Recent Week Percent Positive	Predominant A Subtype and Strain	Predominant B Strain	Predominant Type (A or B)
CDC	3,851,118	351,189	147/41,503 (0.4%)	(H1N1)pdm09	Victoria	A
WSLH	-	-	17/5,137 (0.3%)	Unknown	Unknown	A
MHDL	7	0	0/7 (0%)	Unknown	Unknown	Unknown

### National Influenza Testing Data, CDC FluView

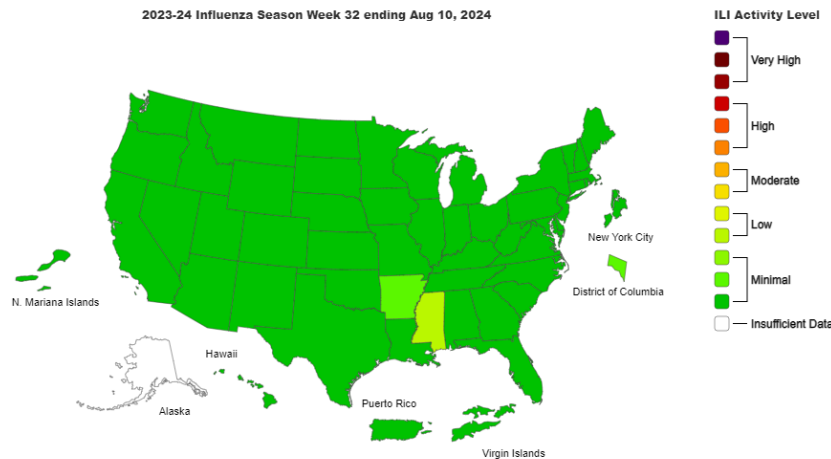
Influenza Positive Tests Reported to CDC by Public Health Laboratories, National Summary, 2023-24 Season, week ending Aug 17, 2024  
Reported by: U.S. WHO/NREVSS Collaborating Laboratories and ILINet



<http://gis.cdc.gov/grasp/fluview/fluportaldashboard.html> accessed 08/30/2024

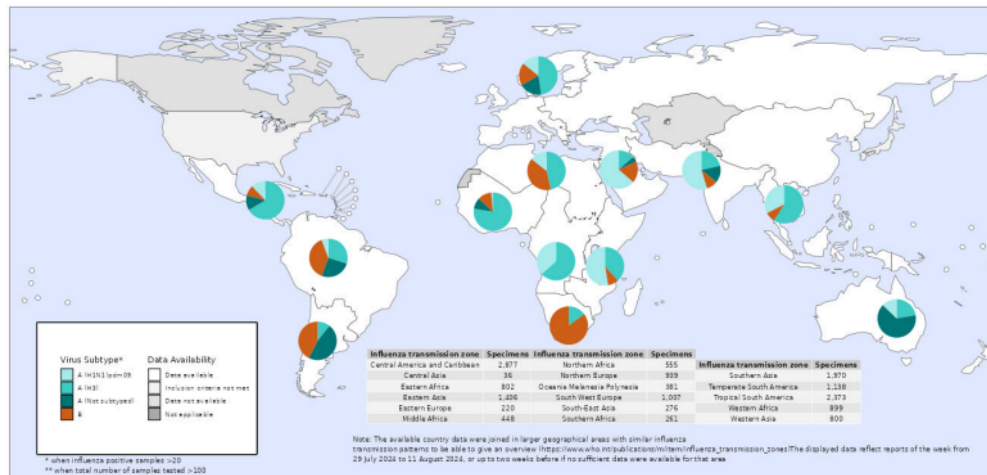
## National Influenza Activity

### Outpatient Respiratory Illness Activity Map, CDC FluView



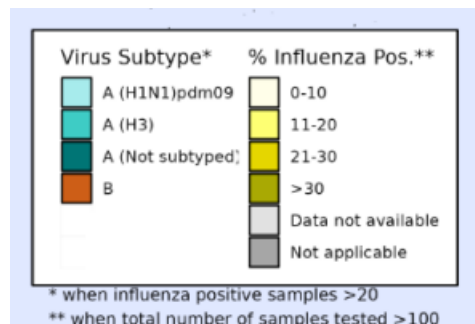
<https://www.cdc.gov/flu/weekly/index.htm#MS2> accessed 08/30/2024

## Global Influenza Activity



## Sentinel specimens testing positive for influenza, by virus type and subtype

<https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-updates>, accessed 08/30/2024

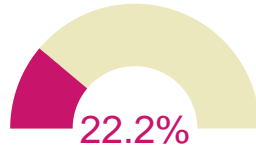


- In the Northern hemisphere, influenza activity in temperate countries remained at interepidemic levels. Activity was elevated in countries in Central America and the Caribbean (primarily due to A(H3N2) viruses), Western Africa (due to A(H3N2) and B viruses), Middle Africa (due to A(H3N2) viruses), Southern Asia (due to A(H1N1)pdm09 viruses), and South East Asia (due to A(H1N1)pdm09 viruses). Activity increased in some countries in Western Africa, Middle Africa, Southern Asia, and South East Asia.
- SARS-CoV-2 activity remained elevated in many countries across the Northern hemisphere. Small increases in activity were reported in countries in Tropical South America, in Northern, South West, and Eastern Europe, and in Eastern Asia.

# Influenza Vaccination Uptake by City of Milwaukee Residents, 2023-2024 Season

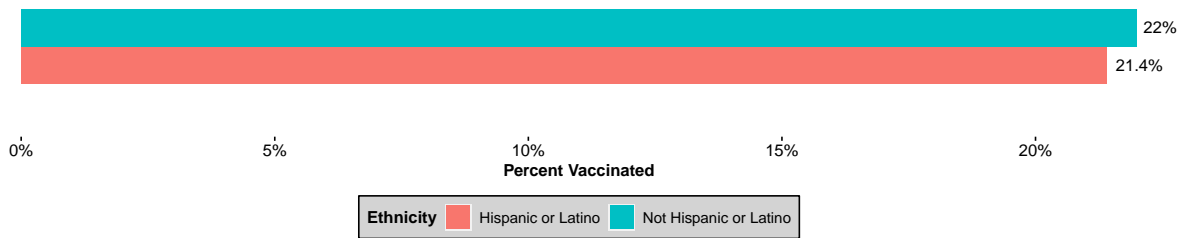
## Overview

- City of Milwaukee residents who have received at least one dose of flu vaccinations as of August 29, 2024:

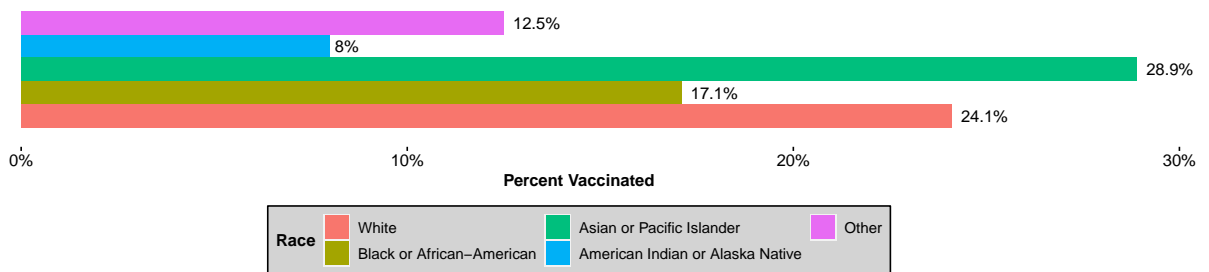


## Influenza Vaccination Coverage for 2023-2024 Season by Demographics

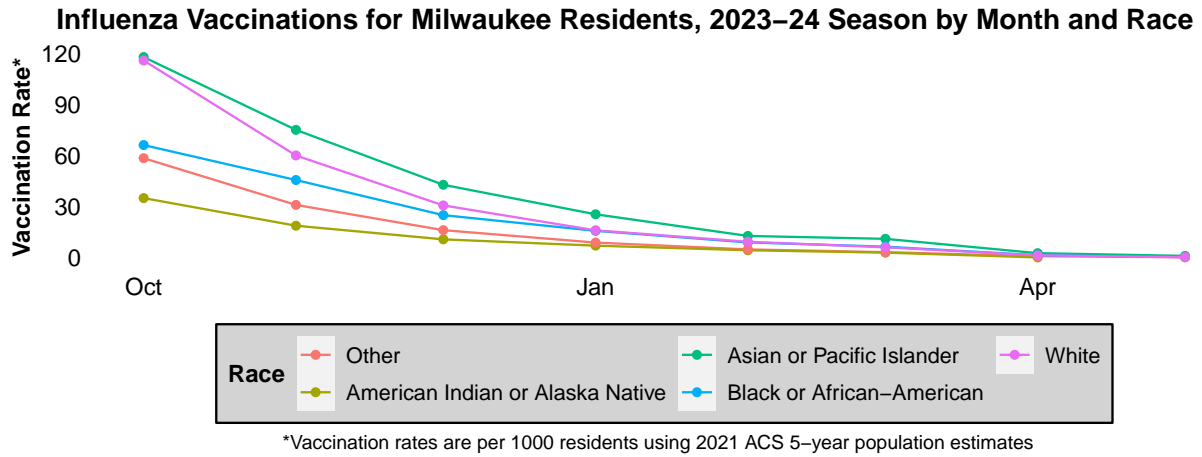
### Influenza Vaccinations by Ethnicity



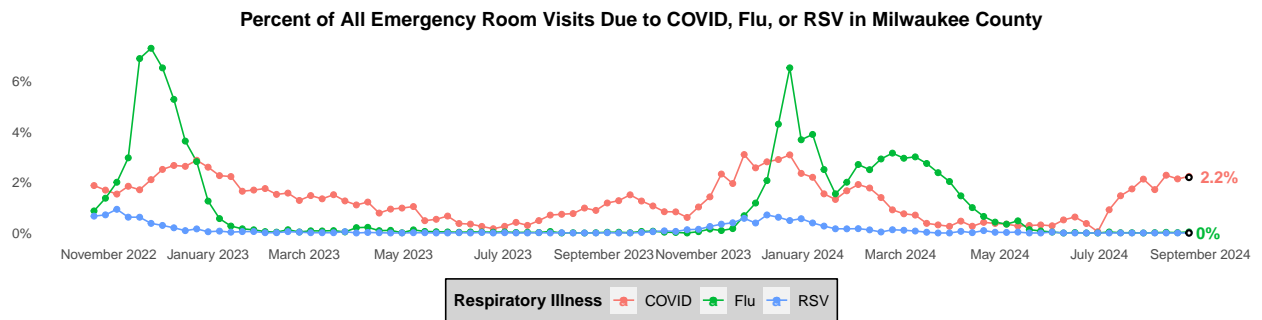
### Influenza Vaccinations by Race



## Vaccination Uptake Timelines



## Respiratory Illness Emergency Department Visits in Milwaukee County





## COVID-19 Activity

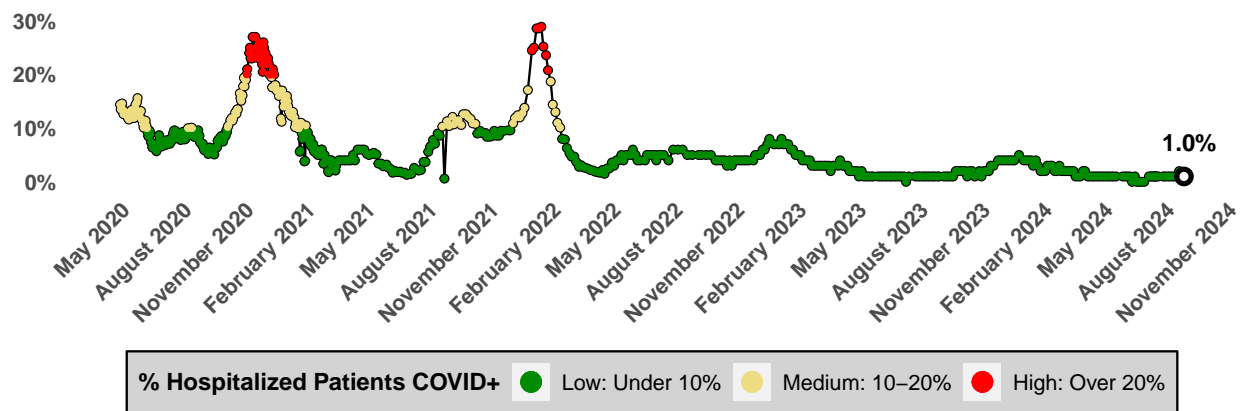
### City of Milwaukee COVID-19 Vaccination Uptake

- As of August 28, 2024, 12% of city residents are up-to-date with their COVID-19 vaccinations.

### COVID-19 Hospital Admission Metrics, Updated

COVID-19 Hospital Admission Level - Low		
County Weekly Metrics Used to Determine the COVID-19 Hospital Admission Level	Comparison to Prior Week	
New hospital admissions of confirmed COVID-19, past week (total)	36	Down from 43
New COVID-19 admissions per 100,000 population	2.3	Down from 2.7
% Staffed inpatient beds occupied by patients with confirmed COVID-19 past week (average)	1%	Down from 1.2%

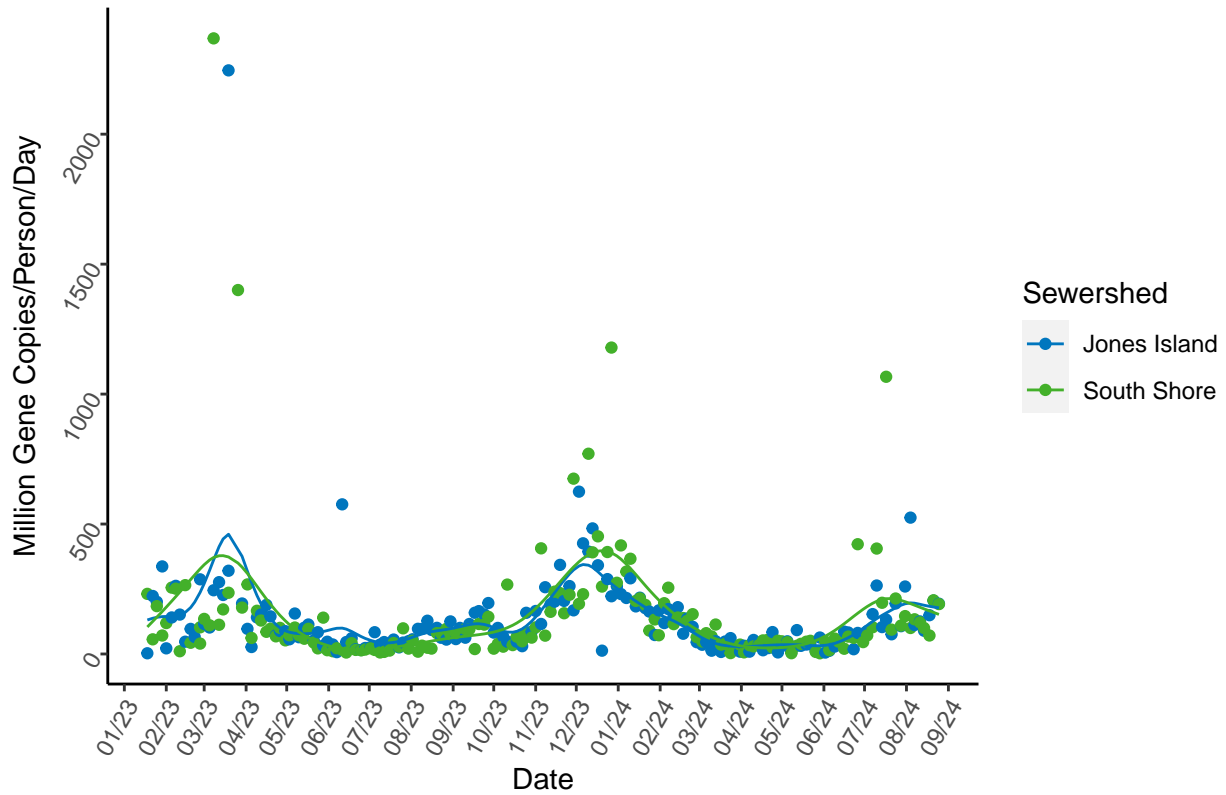
### Hospitalized Patients that are COVID-19 Positive Timeline, Milwaukee County



Data Source: HERC Region 7  
Last Update: 2024-08-29

## SARS-CoV-2 Wastewater Surveillance

### COVID-19 Trends in Milwaukee Sewersheds



**Category:** Compared to the last 6 months of data, the average of the last three most recent SARS-CoV-2 measurements are in the 88.24 percentile for Jones Island Sewershed and are in the 86.27 percentile for South Shore Sewershed. These measurements are *high* for Jones Island and *high* for South Shore.

**Trajectory:** Wastewater concentrations of SARS-CoV-2 *significantly increased* in the Jones Island or South Shore sewersheds.