

# Milwaukee Respiratory Virus Surveillance Update

## MMWR Week 36, Ending September 7, 2024

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## Overview

### County

- There were 0 influenza-associated hospitalizations reported in Milwaukee County during the week ending on September 7, 2024. From October 1, 2023 through September 7, 2024, there have been 696 reported influenza-associated hospitalizations in Milwaukee County (532 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 highest 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.
- 3 influenza-associated pediatric deaths occurred during this week.
- Influenza A (H1N1)pdm09 and A(H3N2) were co-circulating 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:

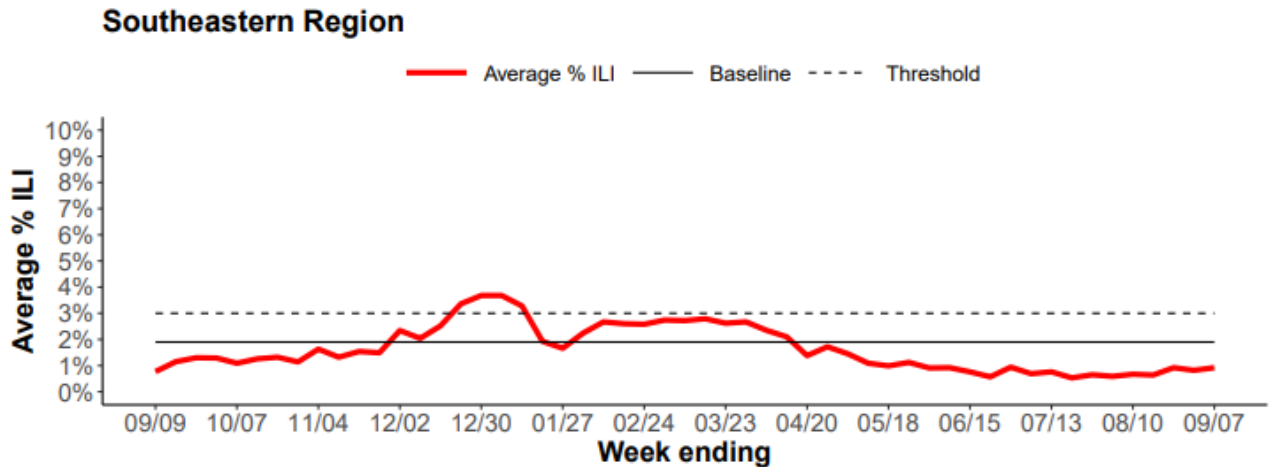
- an A/Victoria/4897/2022 (H1N1)pdm09-like virus;
- an A/Darwin/9/2021 (H3N2)-like virus;
- a B/Austria/1359417/2021 (B/Victoria lineage)-like virus; and
- a B/Phuket/3073/2013 (B/Yamagata lineage)-like virus

### 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
199	187	3	Two deaths occurred during the 2023-2024 season, bringing the total pediatric deaths for this season to 199. One of the deaths was associated with an influenza B virus with no lineage determined and occurred during week 13 (the week ending March 30, 2024). The other death was associated with an influenza A(H1N1) virus and occurred during week 33 (the week ending August 17, 2024)

## Statewide and Regional Influenza Activity

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

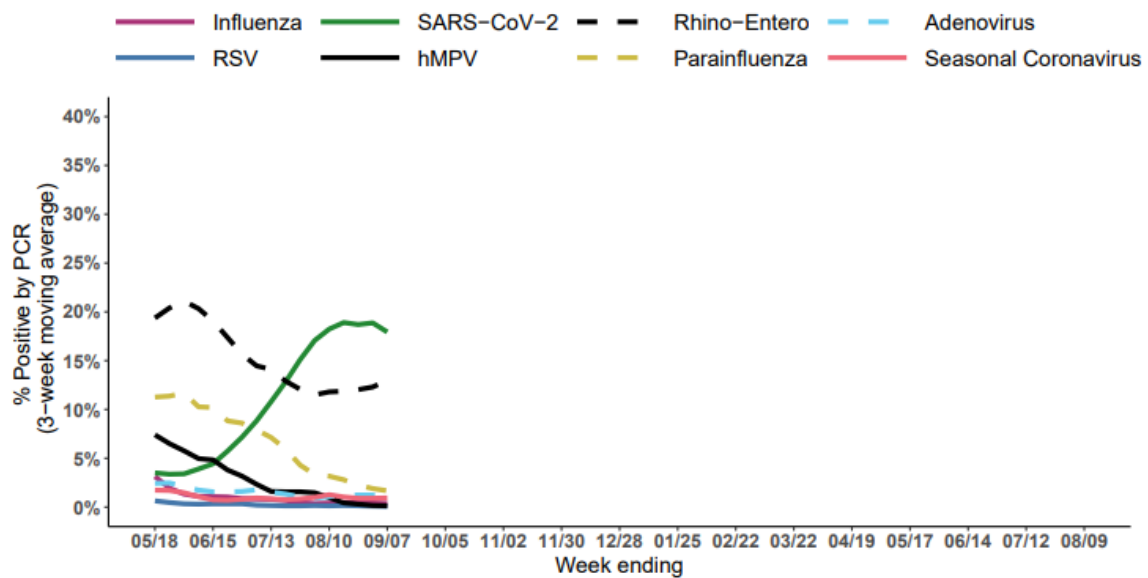


Wisconsin Department of Health Services Respiratory Virus Surveillance Report, September 7, 2024

## Respiratory Virus Laboratory Surveillance

### Wisconsin Laboratory Surveillance for Respiratory Viruses

Percent positivity of respiratory viruses tested by PCR, NREVSS

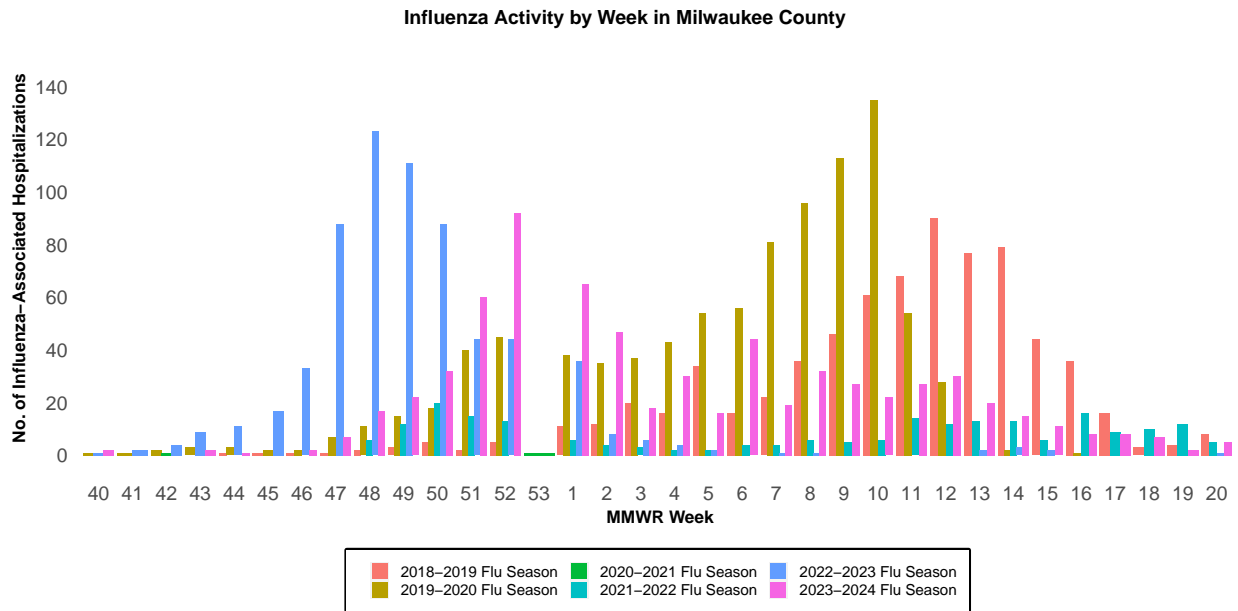


Wisconsin Department of Health Services Respiratory Virus Surveillance Report, September 7, 2024

## Milwaukee County Influenza Activity

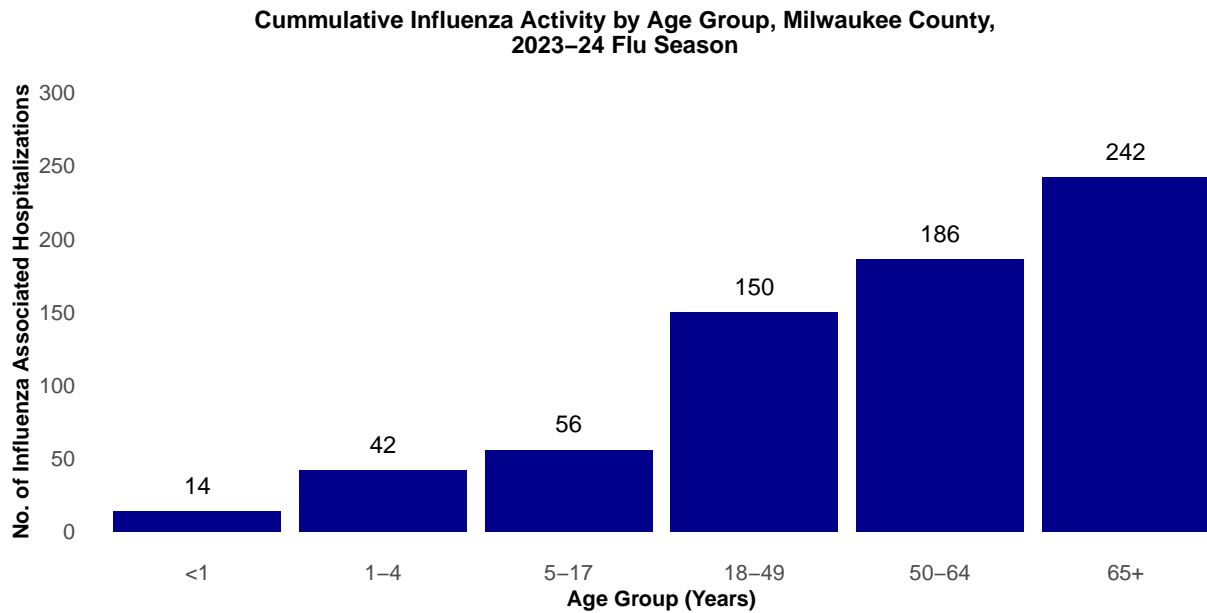
From October 1, 2023 through September 7, 2024 there have been 696 reported influenza-associated hospitalizations in Milwaukee County.

### 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 36, 2023



## Influenza Testing Data

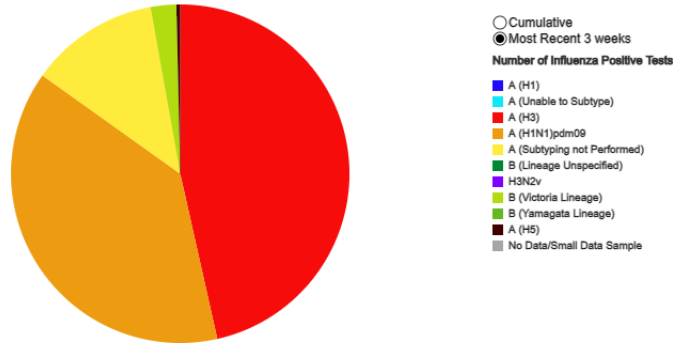
### Public Health Laboratory Influenza Testing Data To-Date (Since Week 40)

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	3,979,467	351,928	179/42,081 (0.4%)	H3N2	Victoria	A
WSLH	-	-	18/5,171 (0.3%)	Unknown	Unknown	A
MHDL	1	0	0/1 (0%)	Unknown	Unknown	Unknown

### National Influenza Testing Data, CDC FluView

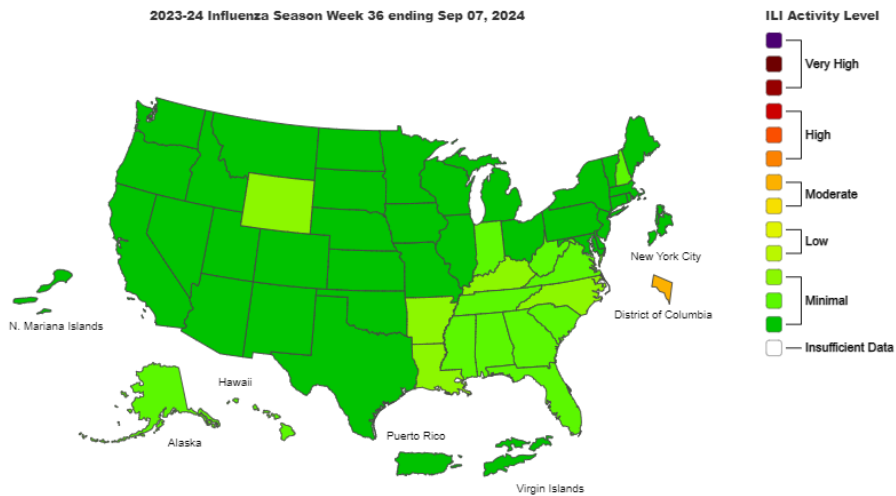


Influenza Positive Tests Reported to CDC by Public Health Laboratories, National Summary, 2023-24 Season, week ending Sep 07, 2024  
Reported by: U.S. WHO/NREVSS Collaborating Laboratories and ILINet

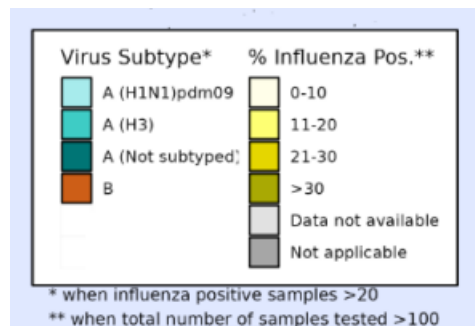
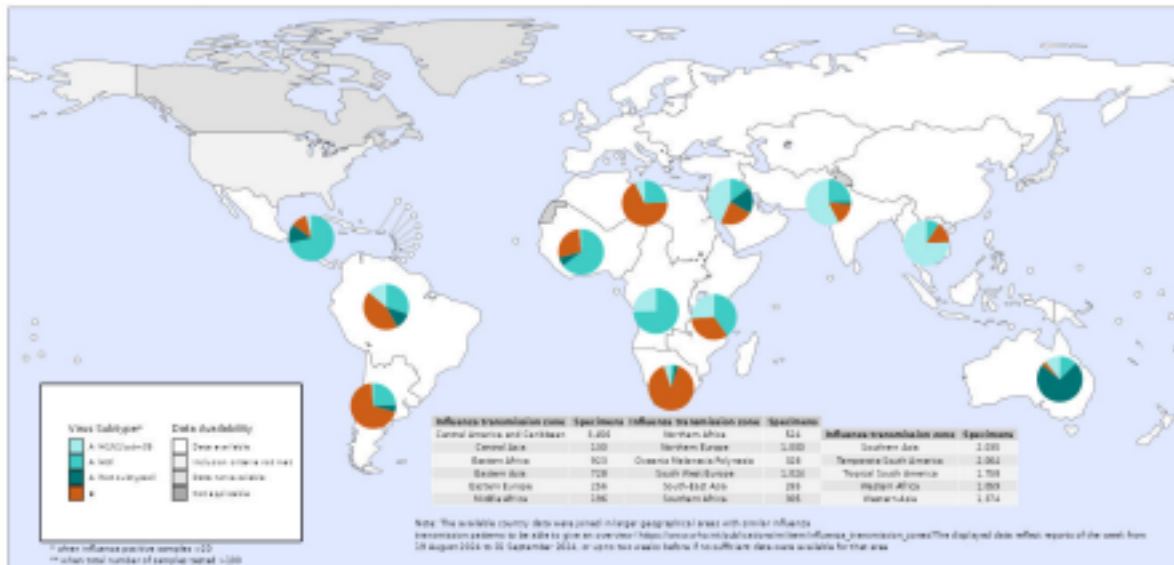


## National Influenza Activity

### Outpatient Respiratory Illness Activity Map, CDC FluView



## Global Influenza Activity

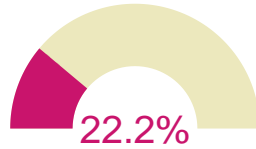


- In the Northern hemisphere, influenza activity in temperate countries remained at interepidemic levels. Activity was elevated in Western Africa (due to A(H3N2) and B viruses), Middle Africa (due to A(H3N2) viruses), Southern Asia (due to A(H1N1)pdm09 viruses) and South East Asia (due to A(H1N1)pdm09 viruses) and was also elevated in a few countries in Western Asia (due to A(H1N1)pdm09 viruses) and Central America and the Caribbean (due to A(H3N2) viruses). Activity increased in a few countries in Middle Africa, Western Africa, Southern Asia and Northern Europe.
- SARS-CoV-2 activity remained elevated in many countries in Europe and a few countries in Western Asia, Southern Asia, Eastern Asia, Central America and the Caribbean and Tropical South America. Increased activity was seen in a few reporting countries in Northern Europe, Eastern Europe and Tropical South America. Activity was similar or declined compared with the prior report in all other reporting countries.

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

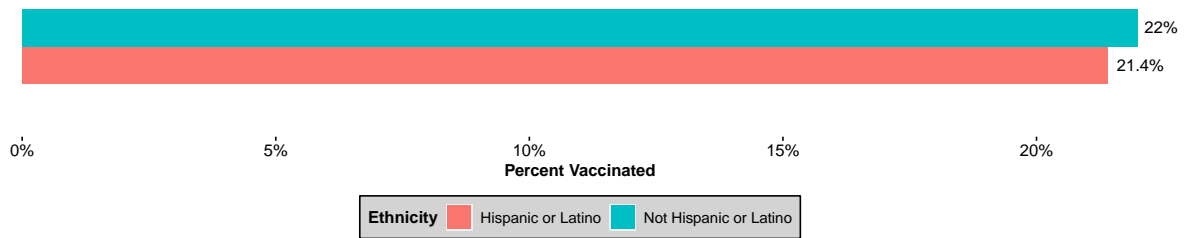
## Overview

- City of Milwaukee residents who have received at least one dose of flu vaccinations as of September 7, 2024:

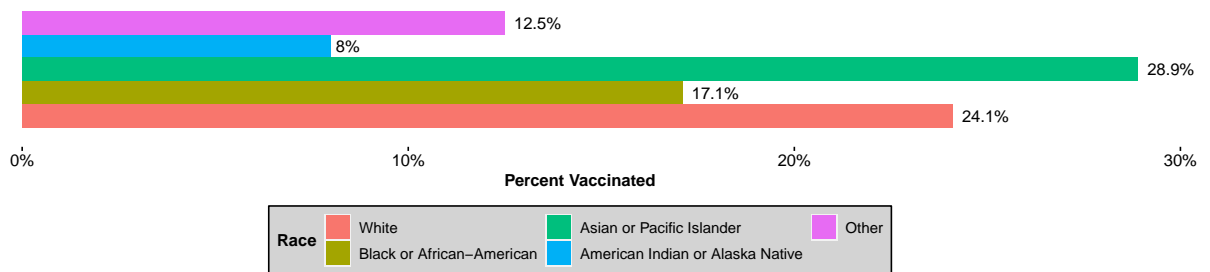


## Influenza Vaccination Coverage for 2023-2024 Season by Demographics

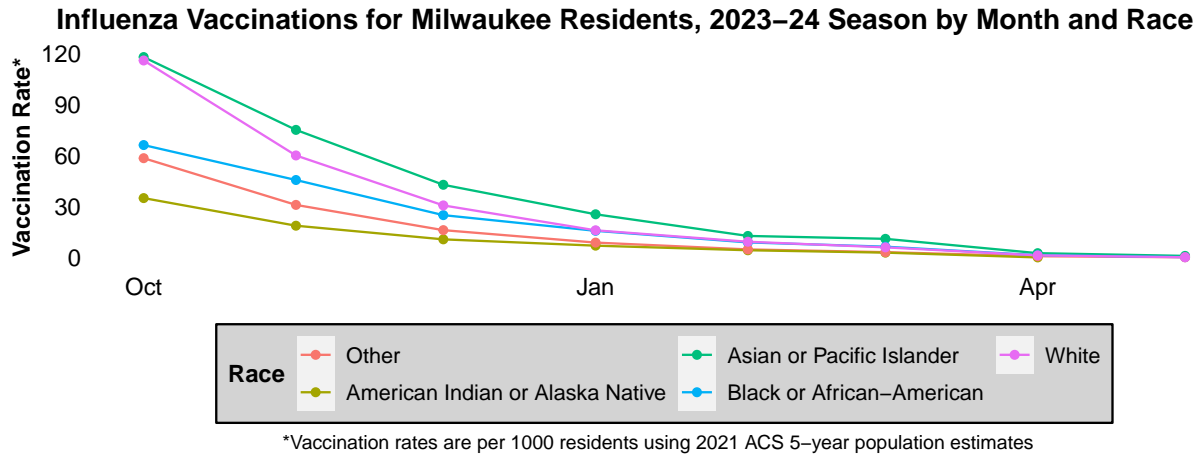
### Influenza Vaccinations by Ethnicity



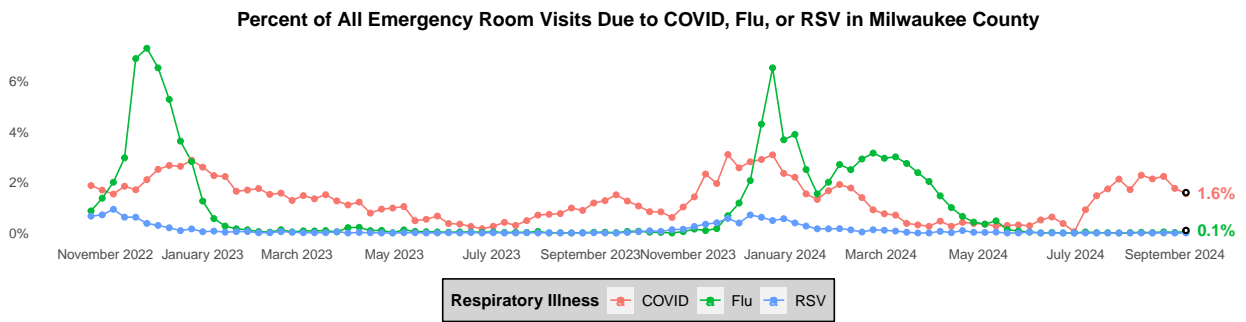
### Influenza Vaccinations by Race



## Vaccination Uptake Timelines



## Respiratory Illness Emergency Department Visits in Milwaukee County

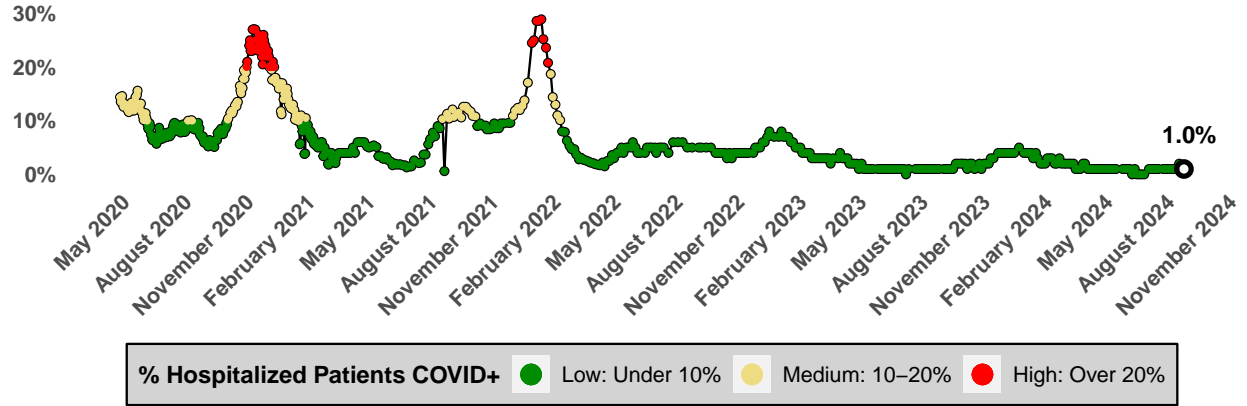




## COVID-19 Activity

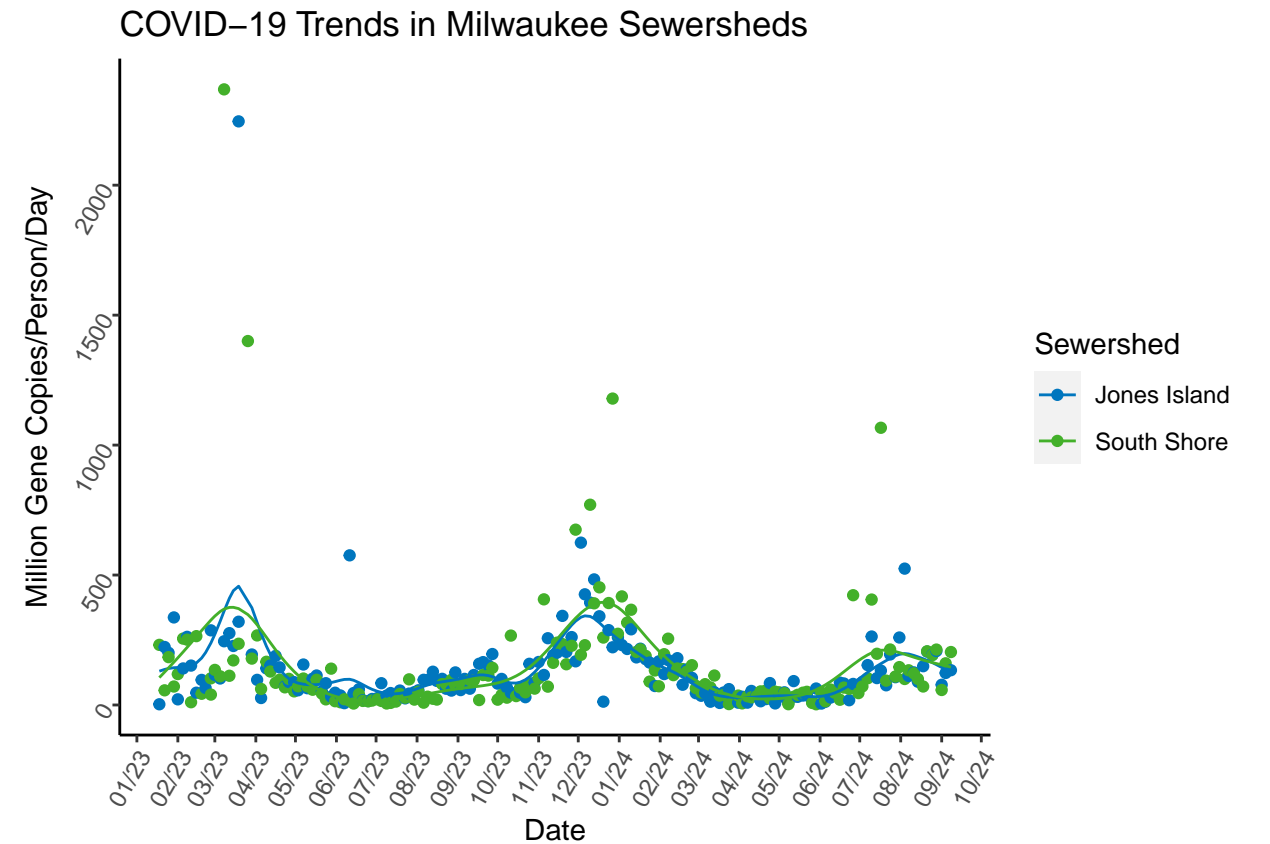
### COVID-19 Hospital Admission Metrics, Updated

#### 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



**Category:** Compared to the last 6 months of data, the average of the last three most recent SARS-CoV-2 measurements are in the 74.51 percentile for Jones Island Sewershed and are in the 78.43 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.