

# Milwaukee Respiratory Virus Surveillance Update

## MMWR Week 29, Ending July 20, 2024

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## Overview

### County

- There were 0 influenza-associated hospitalizations reported in Milwaukee County during the week ending on July 20, 2024. From October 1, 2023 through July 20, 2024, there have been 691 reported influenza-associated hospitalizations in Milwaukee County (528 City of Milwaukee residents).

### State

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

### National

- Seasonal influenza activity remains low nationally. This week no jurisdictions experienced moderate or high activity. Wisconsin had minimal activity.
- 0 influenza-associated pediatric deaths occurred during this week.
- Influenza A(H1N1)pdm09, A(H3N2) and B viruses were all 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

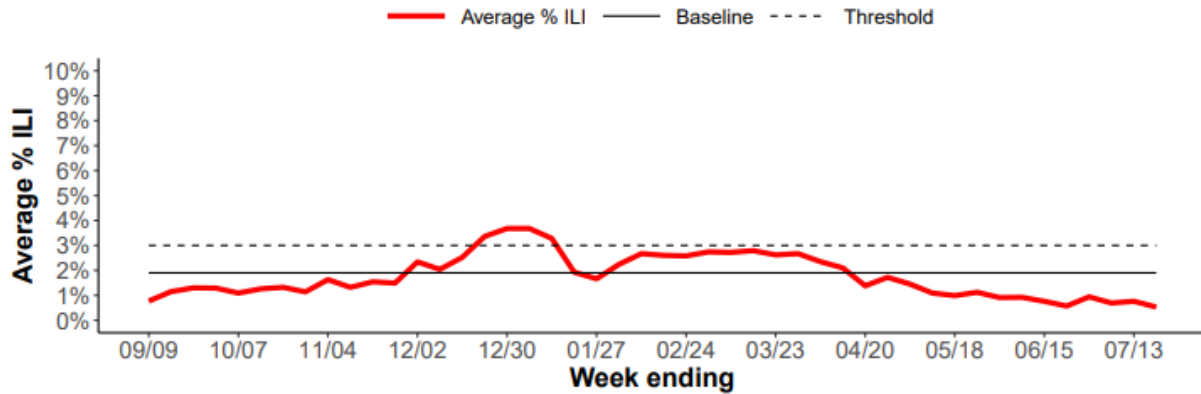
### CDC Pediatric Data (Since Week 40)

2023-24 To Date: Total Deaths	2022-23 To Date: Total Deaths	Pediatric Deaths This Week	Notes on Deaths
187	183	0	No influenza-associated pediatric deaths were reported to CDC during Week 29.

## Statewide and Regional Influenza Activity

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

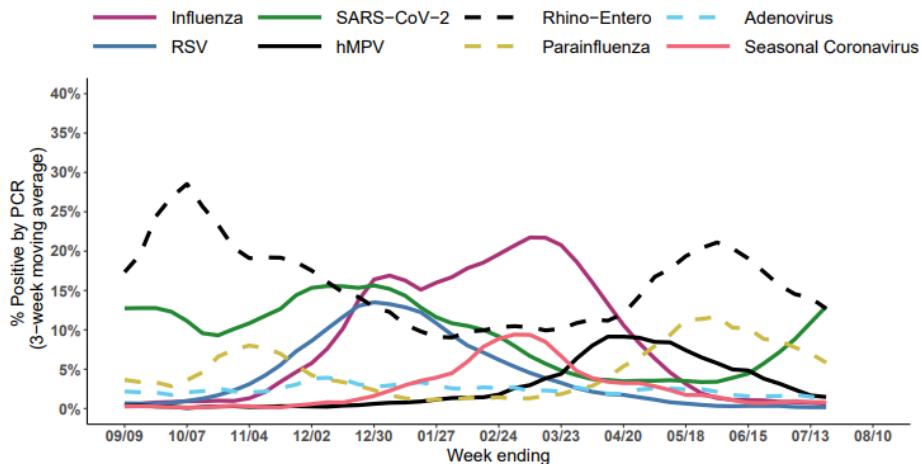
### Southeastern Region



Wisconsin Department of Health Services Respiratory Virus Surveillance Report, July 20, 2024

## Respiratory Virus Laboratory Surveillance

Percent positivity of respiratory viruses tested by PCR, NREVSS



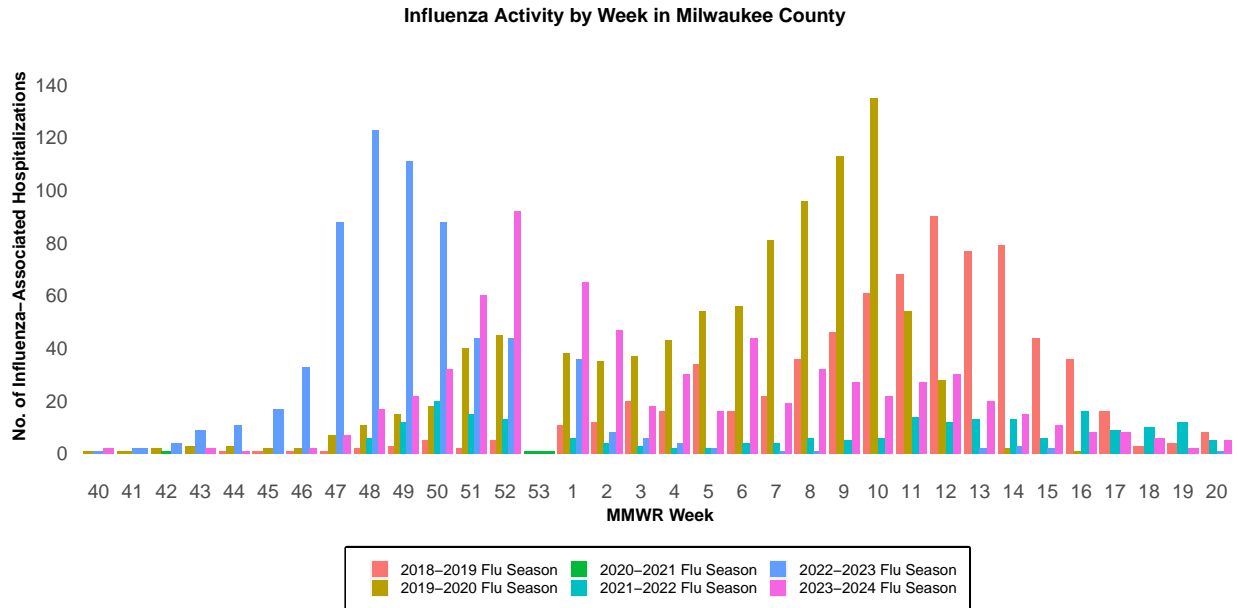
RSV = respiratory syncytial virus, hMPV = human metapneumovirus

Wisconsin Department of Health Services Respiratory Virus Surveillance Report, July 20, 2024

## Milwaukee County Influenza Activity

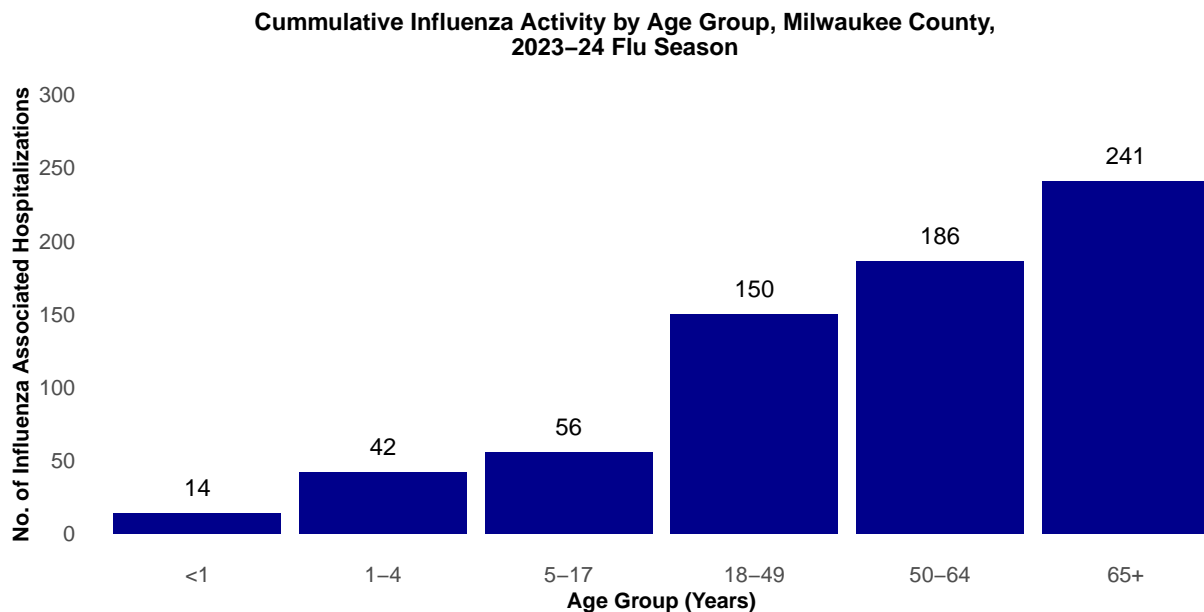
From October 1, 2023 through July 20, 2024 there have been 691 reported influenza-associated hospitalizations in Milwaukee County.

### 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 29, 2023



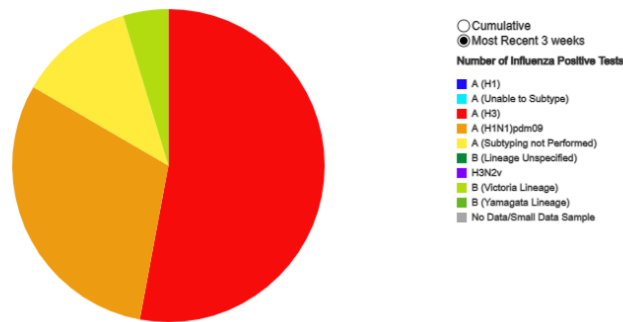
## Influenza Testing Data

### 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	3,616,901	350,001	195/29,220 (0.7%)	H3N2	Victoria	A
WSLH	-	-	18/4,356 (0.4%)	Unknown	Unknown	A
MHDL	343	77	0/0 (0%)	N/A	N/A	B

### National Influenza Testing Data, CDC FluView

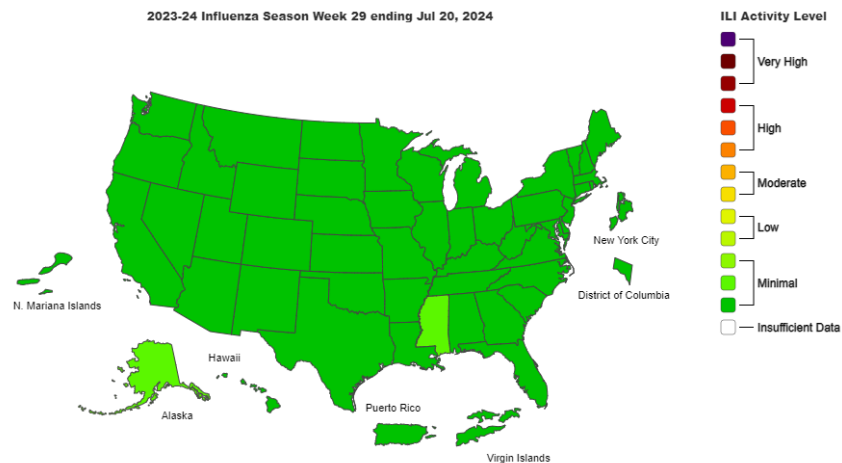
Influenza Positive Tests Reported to CDC by Public Health Laboratories, National Summary, 2023-24 Season, week ending Jul 20, 2024  
Reported by: U.S. WHO/REVSS Collaborating Laboratories and ILINet



<http://gis.cdc.gov/grasp/fluview/fluportaldashboard.html> accessed 07/26/2024

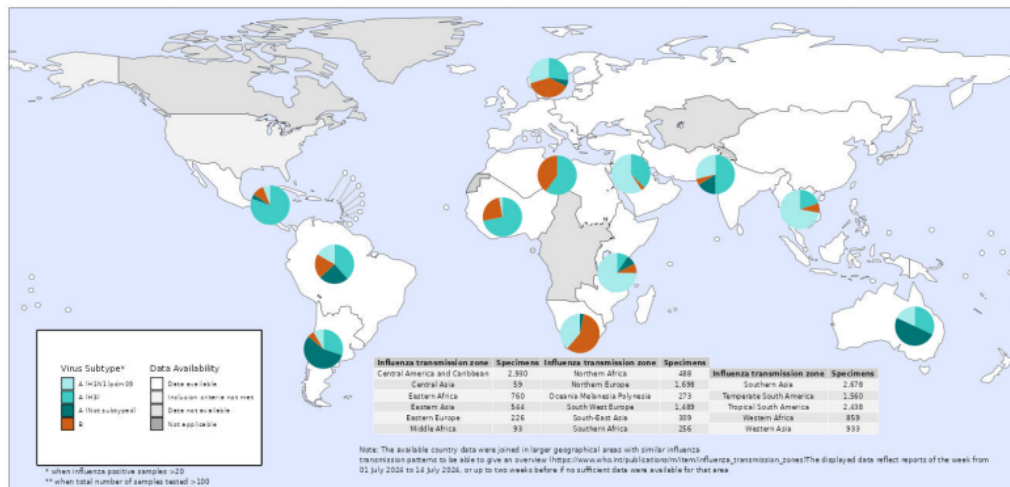
## National Influenza Activity

### Outpatient Respiratory Illness Activity Map, CDC FluView



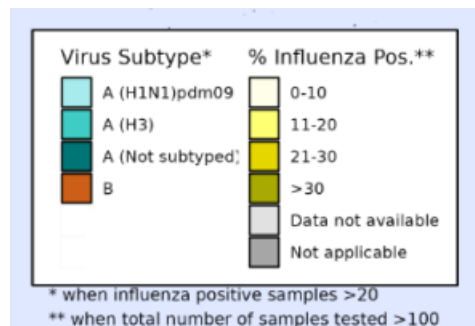
<https://www.cdc.gov/flu/weekly/index.htm#MS2> accessed 07/26/2024

## 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 07/26/2024

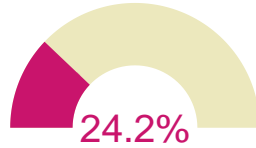


- In the Northern hemisphere elevated influenza activity was reported in countries in Central America and the Caribbean Western Africa and Southern Asia predominantly due to A(H3N2) viruses. Activity in temperate countries remains low at interepidemic levels. Activity increased in few countries in Central America and Western Africa. In the Southern hemisphere influenza activity continues to be elevated in Southern Africa (due to B viruses) and South America and Oceania (due to A not subtyped viruses). There are indications that activity is decreasing in South America and Southern Africa. Activity in some countries in Oceania increased.
- SARS-CoV-2 activity reported from sentinel surveillance in 61 countries was elevated in some countries in Central America and the Caribbean South West Europe South Eastern Europe and Northern Europe. Activity decreased in South East Asia and increased in some countries in South West Europe.

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

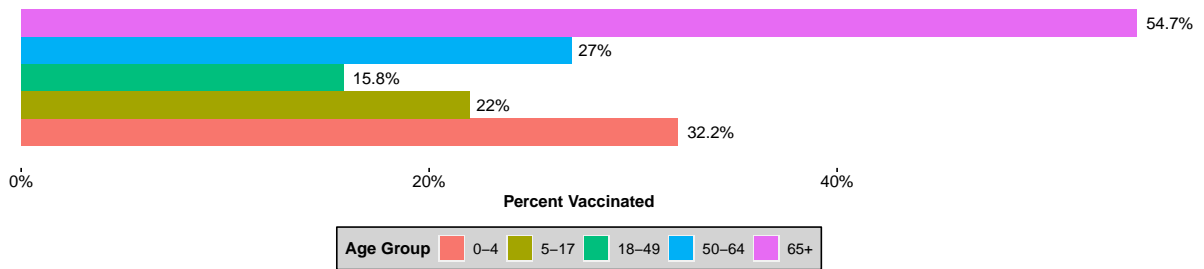
## Overview

- City of Milwaukee residents who have received at least one dose of flu vaccinations as of July 25, 2024:

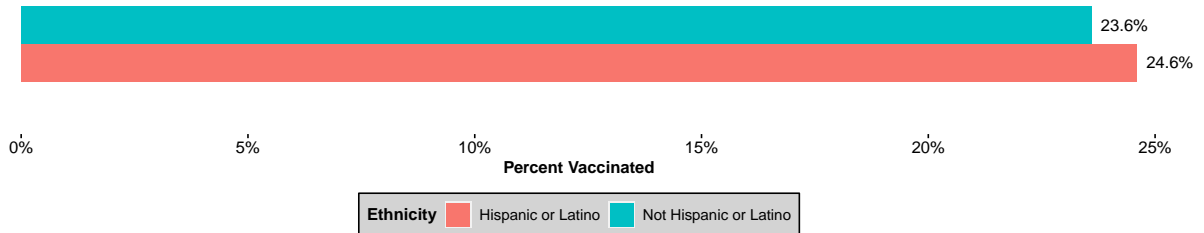


## Influenza Vaccination Coverage for 2023-2024 Season by Demographics

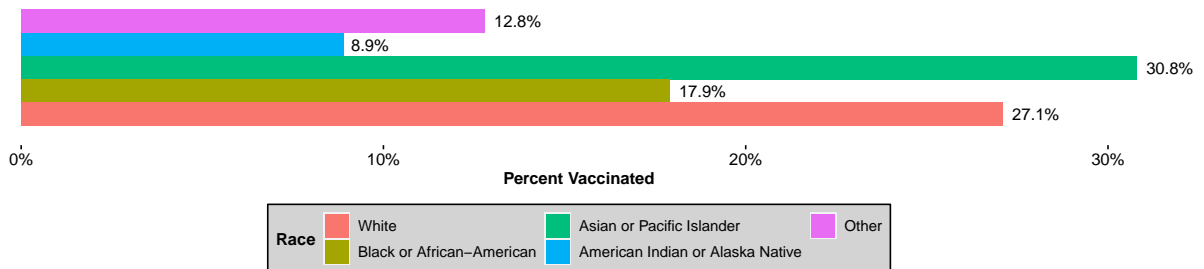
### Influenza Vaccinations by Age Group



### Influenza Vaccinations by Ethnicity

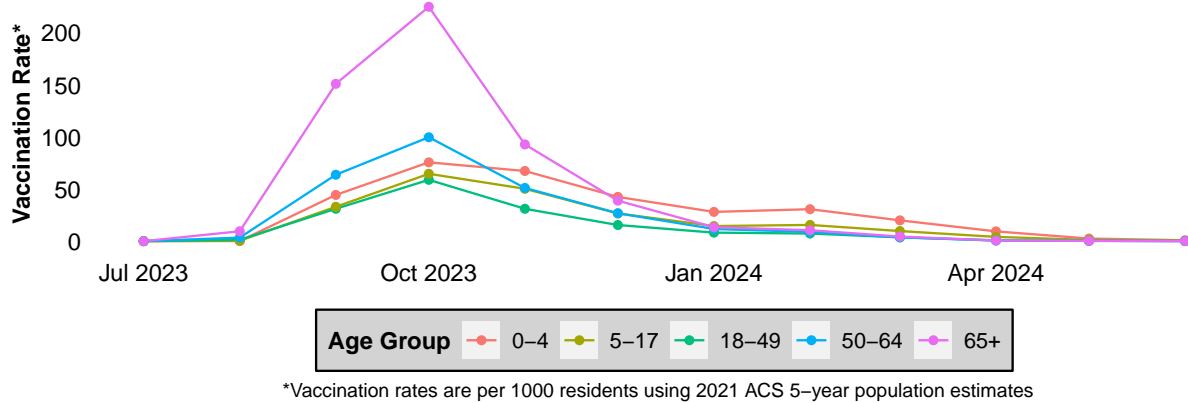


### Influenza Vaccinations by Race

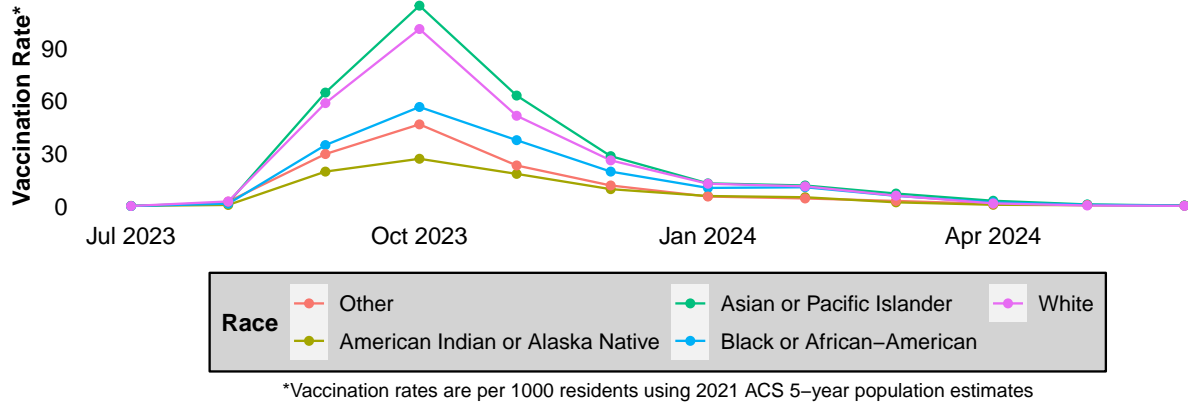


## Vaccination Uptake Timelines

### Influenza Vaccinations for Milwaukee Residents, 2023–24 Season by Month and Age Group

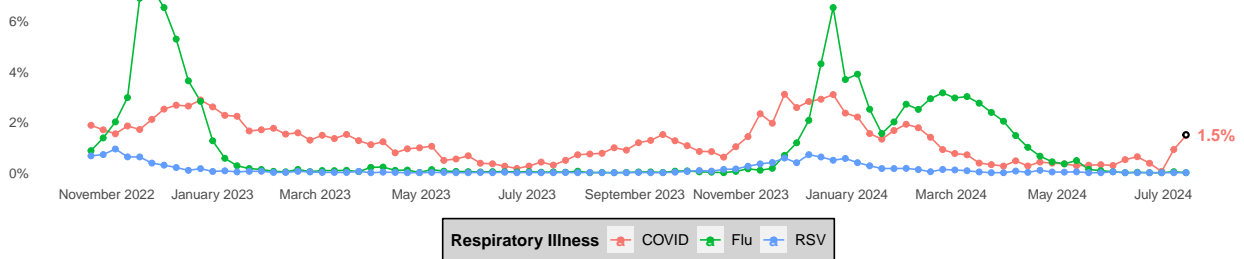


### Influenza Vaccinations for Milwaukee Residents, 2023–24 Season by Month and Race



## Respiratory Illness Emergency Department Visits in Milwaukee County

### Percent of All Emergency Room Visits Due to COVID, Flu, or RSV in Milwaukee County



Please Note: Ascension recently was impacted by a cyberattack. As a result, Ascension facilities are not reporting visits into ESSENCE and we do not know when reporting will resume.

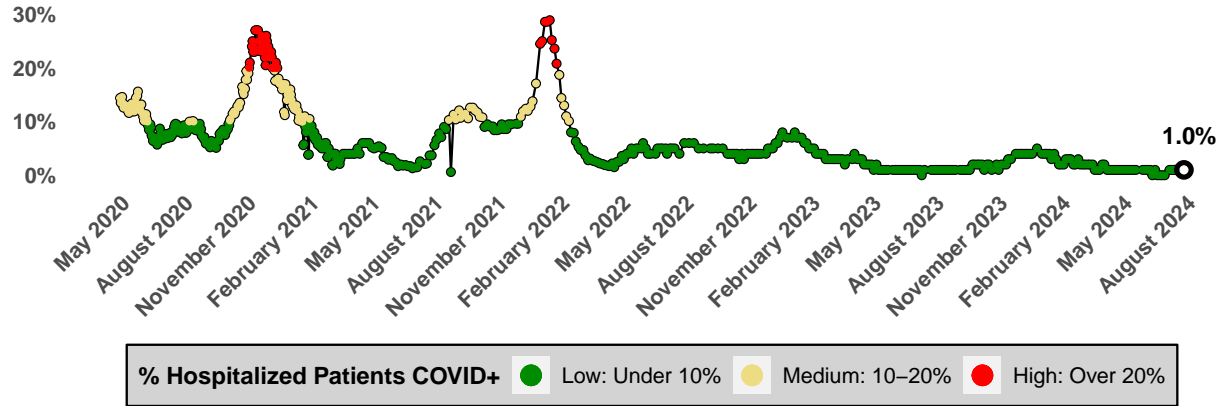


## COVID-19 Activity

### City of Milwaukee COVID-19 Vaccination Uptake

- As of July 25, 2024, 13.1% of city residents are up-to-date with their COVID-19 vaccinations.

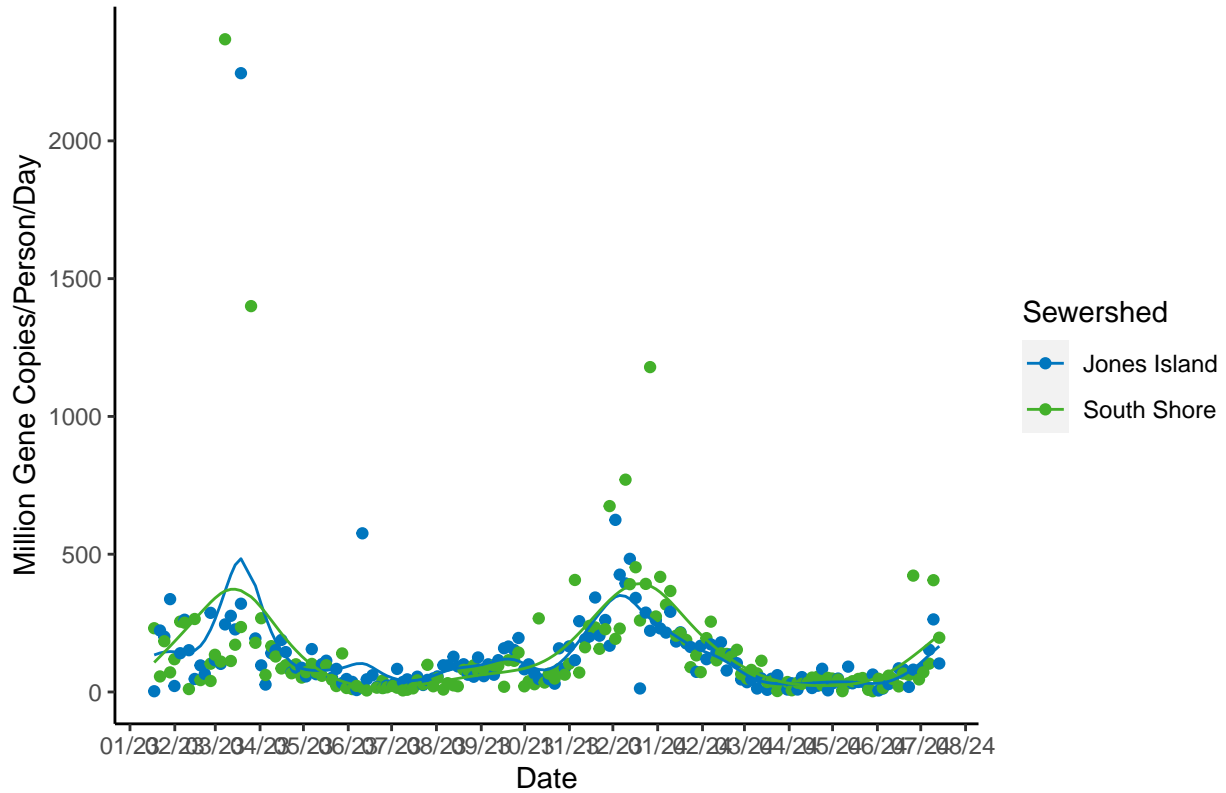
### Hospitalized Patients that are COVID-19 Positive Timeline, Milwaukee County



Data Source: HERC Region 7  
Last Update: 2024-07-29

## 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 95.83 percentile for Jones Island Sewershed and are in the 93.75 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.