

# Milwaukee Respiratory Virus Surveillance Update

## MMWR Week 16, Ending April 22, 2023

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## Overview

### County

- There were 0 influenza-associated hospitalizations reported in Milwaukee County during the week ending in April 22, 2023. From October 1, 2022 through April 22, 2023, there have been 643 reported influenza-associated hospitalizations in Milwaukee County (469 City of Milwaukee residents).

### State

- Influenza-like illness (ILI) levels continued to remain below baseline both statewide and in the southeastern region of the state.
- Outpatient ILI activity continues to decline in Wisconsin. The percent positive influenza lab tests decreased slightly from the week prior (1.3% to 0.8%).
- Rhinovirus/Enterovirus and Human Metapneumovirus are the predominant viruses for this week.

### National

- Seasonal influenza activity remains low nationally. 1 state/jurisdiction experienced moderate ILI activity and 1 experienced high ILI activity. Wisconsin had minimal ILI activity in outpatient visits.
- 2 influenza-associated pediatric deaths were reported during this week.
- Both influenza A(H1N1) and influenza B were the most frequently reported viruses 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 2022-2023 influenza season contain the following:

- an A/Victoria/2570/2019 (H1N1)pdm09-like virus;
- an A/Darwin/9/2021 (H3N2)-like virus;
- a B/Austria/1359417/2021-like virus (B/Victoria lineage); and
- a B/Phuket/3073/2013-like virus (B/Yamagata lineage)

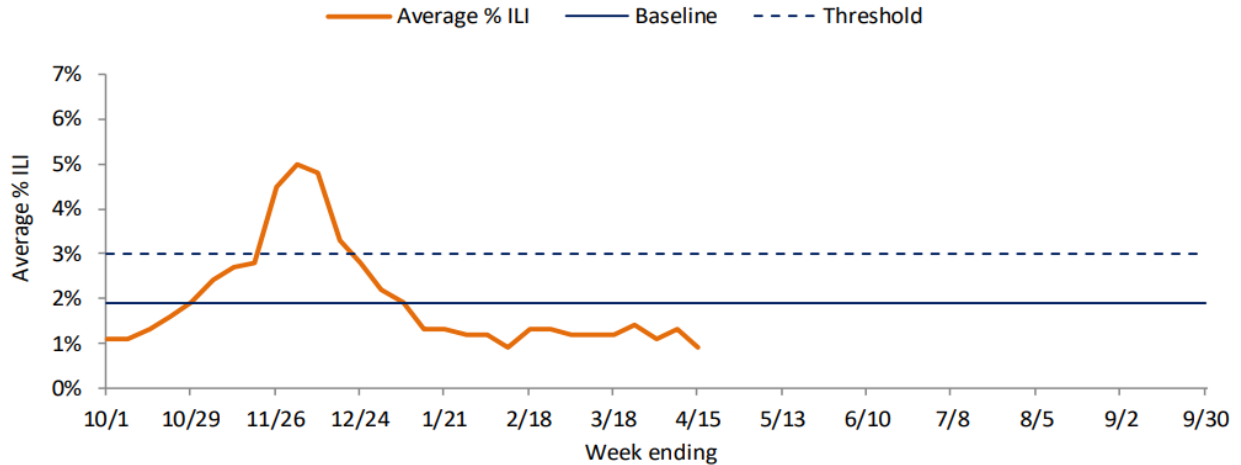
### CDC Pediatric Data (Since Week 40)

2022-23 To Date: Total Deaths	2021-22 To Date: Total Deaths	Pediatric Deaths Reported This Week	Notes on Deaths
145	45	2	One death was associated with an influenza A virus for which no subtyping was performed and occurred during week 1 (the week ending January 7, 2023). The other death was associated with an influenza B virus with no lineage determined and occurred during week 15 (the week ending April 15, 2023).

## Statewide and Regional Influenza Activity

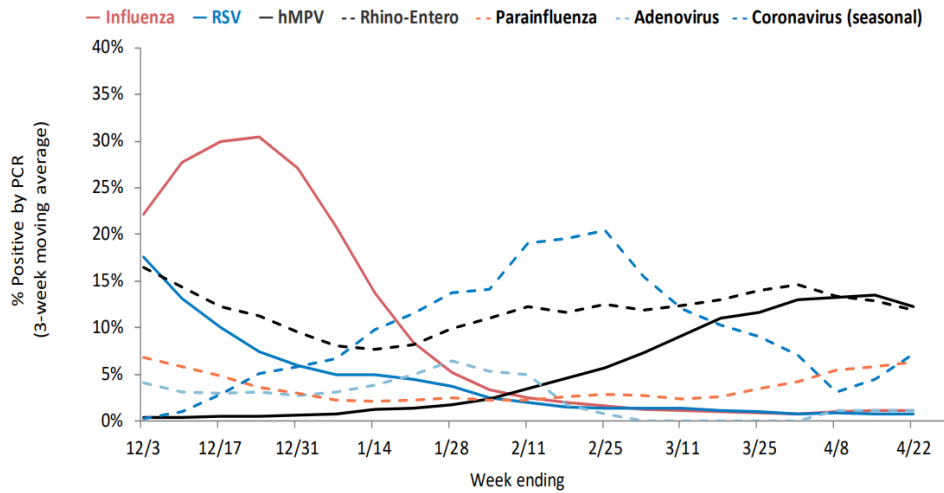
Influenza-like illness levels were below baseline statewide and in the southeastern region of the state.

### Southeastern Region



Wisconsin Department of Health Services Respiratory Virus Surveillance Report, April 22, 2023

## Respiratory Virus Laboratory Surveillance



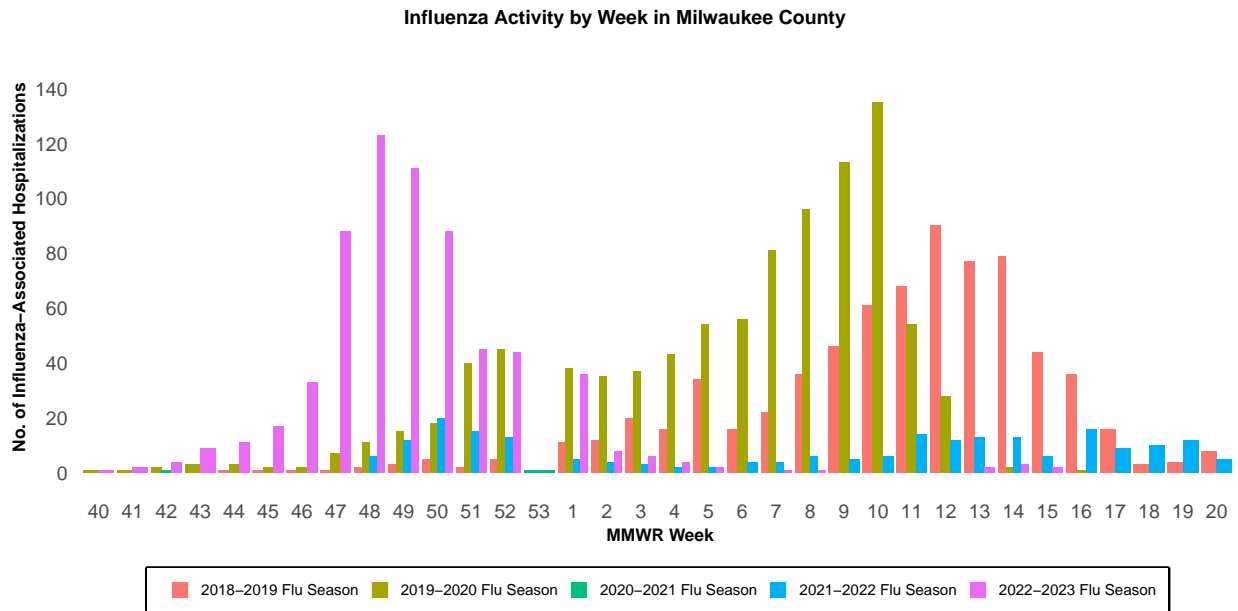
RSV = respiratory syncytial virus, hMPV = human metapneumovirus

Wisconsin Department of Health Services Respiratory Virus Surveillance Report, April 22, 2023

## Milwaukee County Influenza Activity

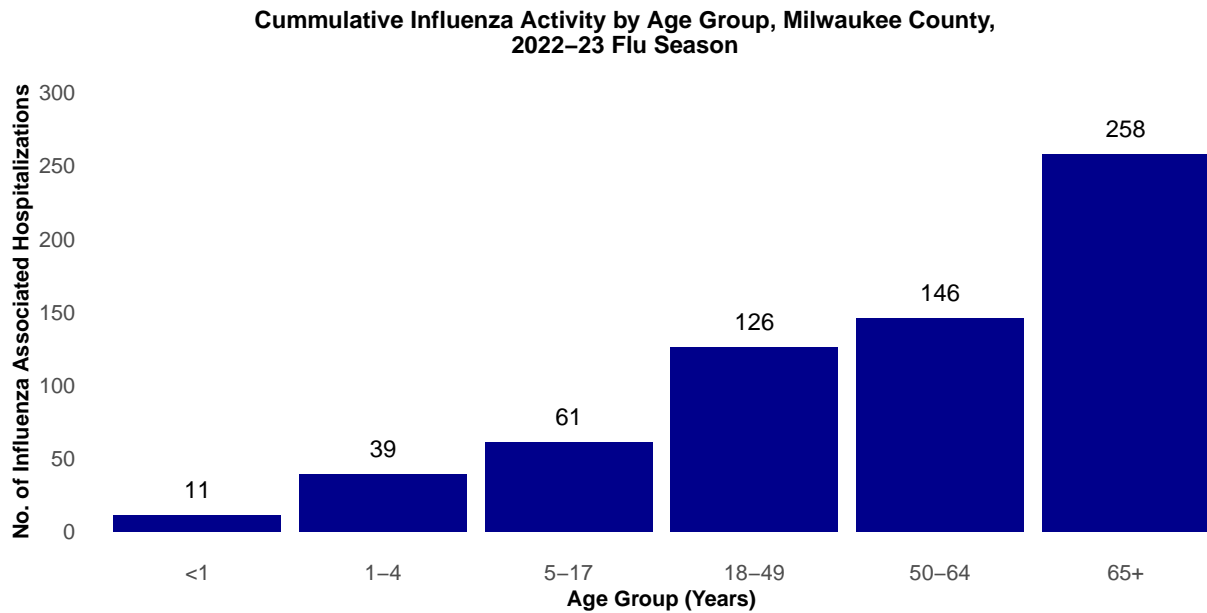
From October 1, 2022 through April 22, 2023 there have been 643 reported influenza-associated hospitalizations in Milwaukee County. Statewide hospitalization data are not yet available.

### 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, 2022 through Week 16, 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	233,873	28,897	38/3,542(1.1%)	(H1N1)pdm09	Victoria	A
WSLH	-	-	54/6,516(0.8%)	Unknown	Unknown	A
MHDL	62	10	0/5(0.0%)	H3N2	N/A	A

### National Influenza Testing Data, CDC FluView

Influenza Positive Tests Reported to CDC by Public Health Laboratories, National Summary, 2022-23 Season, week ending Apr 22, 2023

Reported by: U.S. WHO/NREVSS Collaborating Laboratories and ILINet

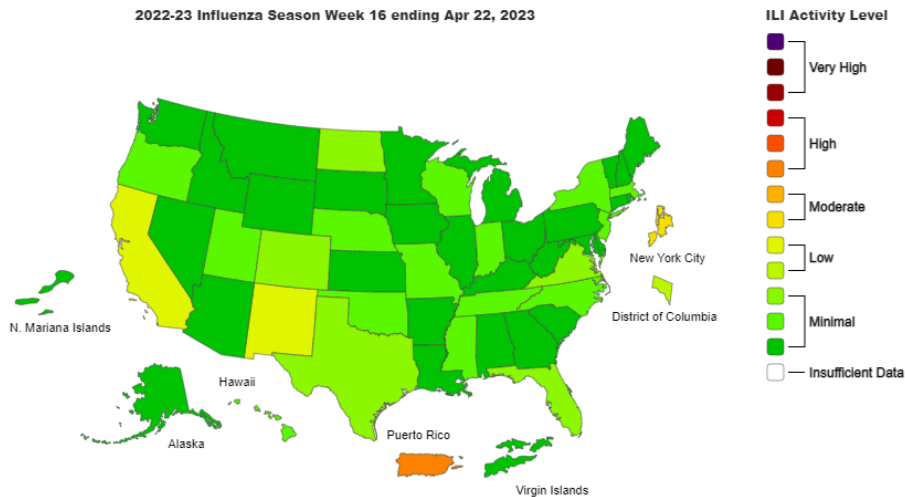
[Download Image](#) ?



<http://gis.cdc.gov/grasp/fluview/fluportaldashboard.html> accessed 05/03/2023

## National Influenza Activity

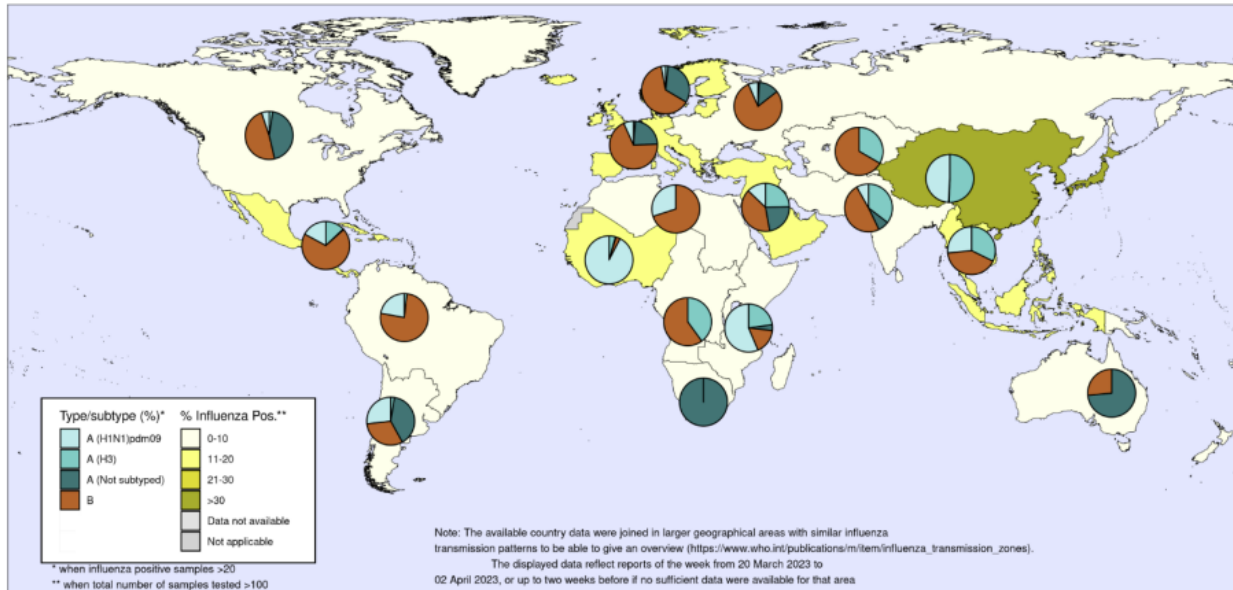
### Outpatient Respiratory Illness Activity Map, CDC FluView



<https://www.cdc.gov/flu/weekly/index.htm#MS2> accessed 05/03/2023

## Global Influenza Activity

**Percentage of respiratory specimens that tested positive for influenza, by influenza transmission zone<sup>1</sup>. Map generated on 14 April 2023.**

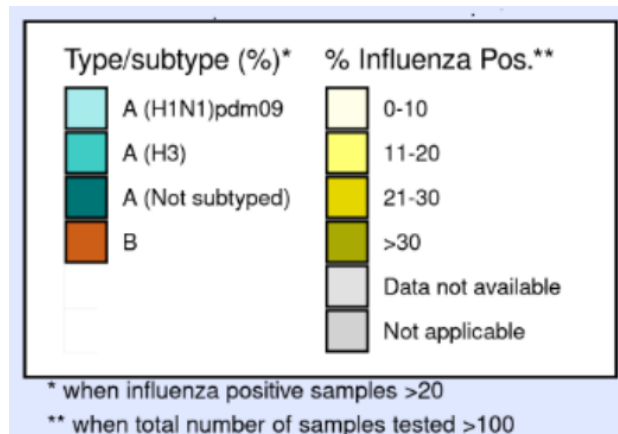


The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.



Data source: Global Influenza Surveillance and Response System (GISRS), FluNet (<https://www.who.int/initiatives/global-influenza-surveillance-and-response-system>)  
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<https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-updates>, accessed 05/03/2023



- Globally, influenza activity continued to decrease following the peak in late 2022. Influenza A viruses predominated with a slightly larger proportion of A(H1N1)pdm09 viruses detected among the subtyped influenza A viruses.

## COVID-19 Activity

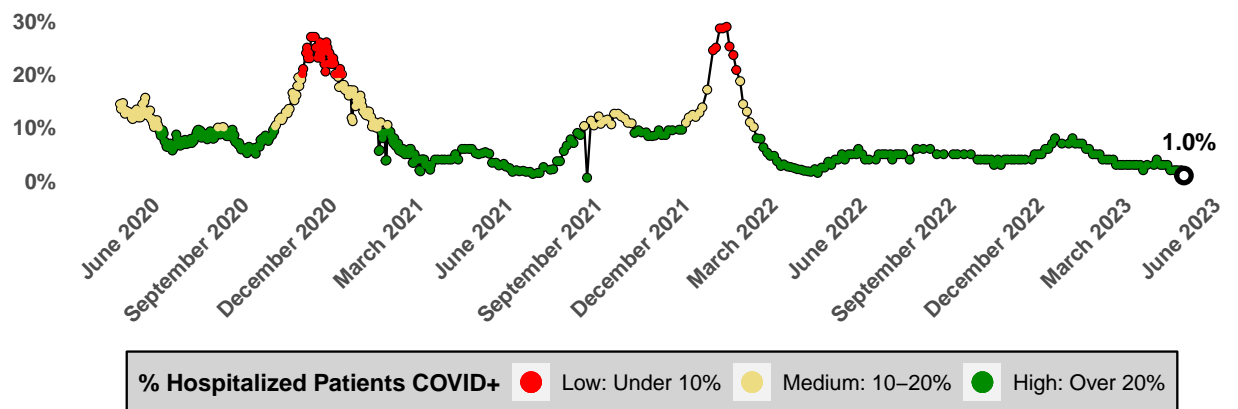
### City of Milwaukee Overview

- From March 1, 2020 through May 4, 2023, there have been 177150 reported confirmed positive COVID-19 cases and 1120 COVID-19 associated deaths in the City of Milwaukee.
- Considering vaccination status, as of May 4, 2023:
  - 55.7% of city residents have completed their primary COVID-19 vaccination series
  - 29.4% of city residents have received at least one COVID-19 booster

### COVID-19 Community Metrics, Updated May 4, 2023

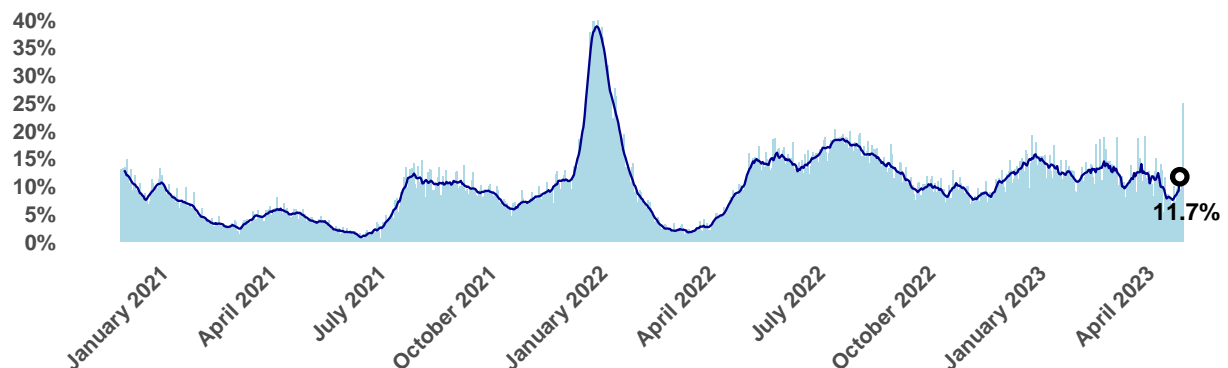
COVID-19 Community Level - Low		
County Weekly Metrics Used to Determine the COVID-19 Community Level		Comparison to Last Week
Case Rate per 100,000 population (Milwaukee County; includes City rate of <u>31.2</u> )	34.47	Up from 30.66
New COVID-19 admissions per 100,000 population	4	Down from 4.3
% Staffed inpatient beds in use by patients with confirmed COVID-19	2%	Down from 2.2%

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



Data Source: HERC Region 7  
Last Update: 2023-05-04

### Percent Positive COVID-19 Tests by Day with 7-Day Rolling Average, City of Milwaukee



Please Note: Positivity is presented as positivity by PCR testing only. Changes to testing policies over time and rising usage of at-home tests as opposed to laboratory-based tests may affect positivity rates and incidence rates and should be interpreted accordingly.

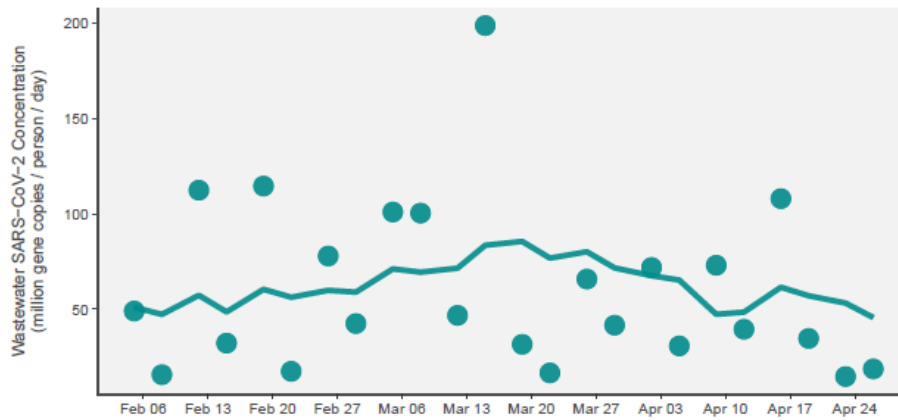
## SARS-CoV-2 Wastewater Surveillance

**Category:** Compared with the last 6 months of data, the average of the three most recent SARS-CoV-2 measurements is *very low* for Jones Island and *very low* for the South Shore sewershed.

**Trajectory:** Between 04/12/2023 and 04/26/2023, wastewater concentrations of SARS-CoV-2 *did not significantly increase* in the Jones Island or South Shore sewersheds.

<b>Milwaukee (Jones Island)</b> Estimated population served: 470,007	<span style="color: orange;">■</span>	Category: <b>Moderate</b>	Trajectory: <b>No alert</b>
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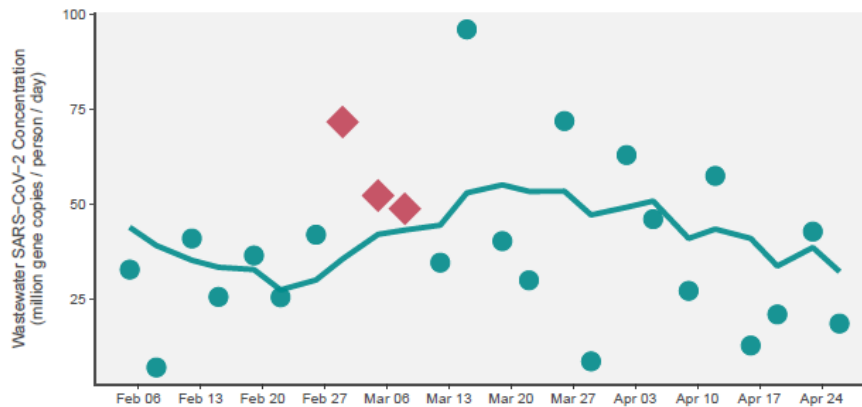
90-Day Wastewater Trend for Milwaukee Jones Island (Feb 3, 2023–May 4, 2023)



◆ - Significant Increase

<b>Milwaukee (South Shore)</b> Estimated population served: 615,934	<span style="color: yellow;">■</span>	Category: <b>Very low</b>	Trajectory: <b>No alert</b>
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90-Day Wastewater Trend for Milwaukee South Shore (Feb 3, 2023–May 4, 2023)



◆ - Significant Increase