



# CITY OF MILWAUKEE HEALTH DEPARTMENT

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## Milwaukee Respiratory Illness Update MMWR Week 13, Ending April 1, 2023

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### Overview

#### County

- There were zero of influenza-associated hospitalization reported in Milwaukee County during the week ending in April 1, 2023. From October 1, 2022 through April 1, 2023, there have been 655 reported influenza-associated hospitalizations in Milwaukee County (474 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.
- Human metapneumovirus is the predominant virus for this week.
- Influenza B is now the predominant influenza virus.

#### National

- 3 states/jurisdictions experienced moderate ILI activity and 2 experienced high ILI activity. Wisconsin had minimal ILI activity in outpatient visits.
- 4 influenza-associated pediatric deaths were reported during this week.
- The predominant influenza type is influenza A(H1N1).

#### 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)

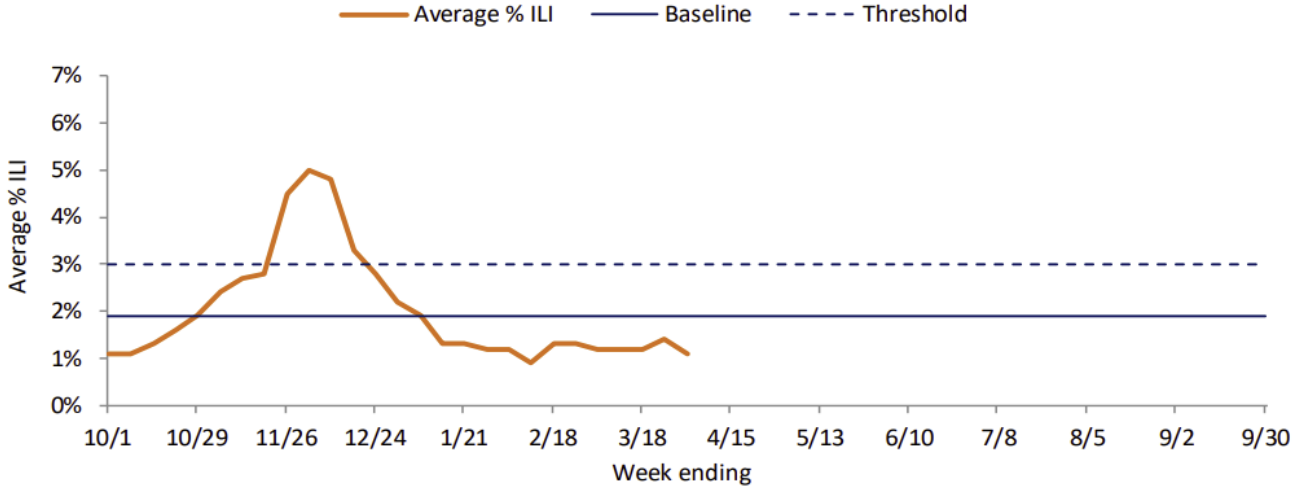
#### CDC Pediatric Data (Since Week 40)

2022-23 To Date: Total Deaths	2021-22 To Date: Total Deaths	Pediatric Deaths Reported this Week	Notes on Deaths	Unusual Pediatric Hospitalizations
139	45	1	One influenza-associated pediatric death occurring during the 2022-2023 season was reported to CDC during week 13. The death was associated with an influenza A(H3) virus and occurred during week 47 of 2022 (the week ending November 26, 2022).	-

# Statewide and Regional Influenza Activity

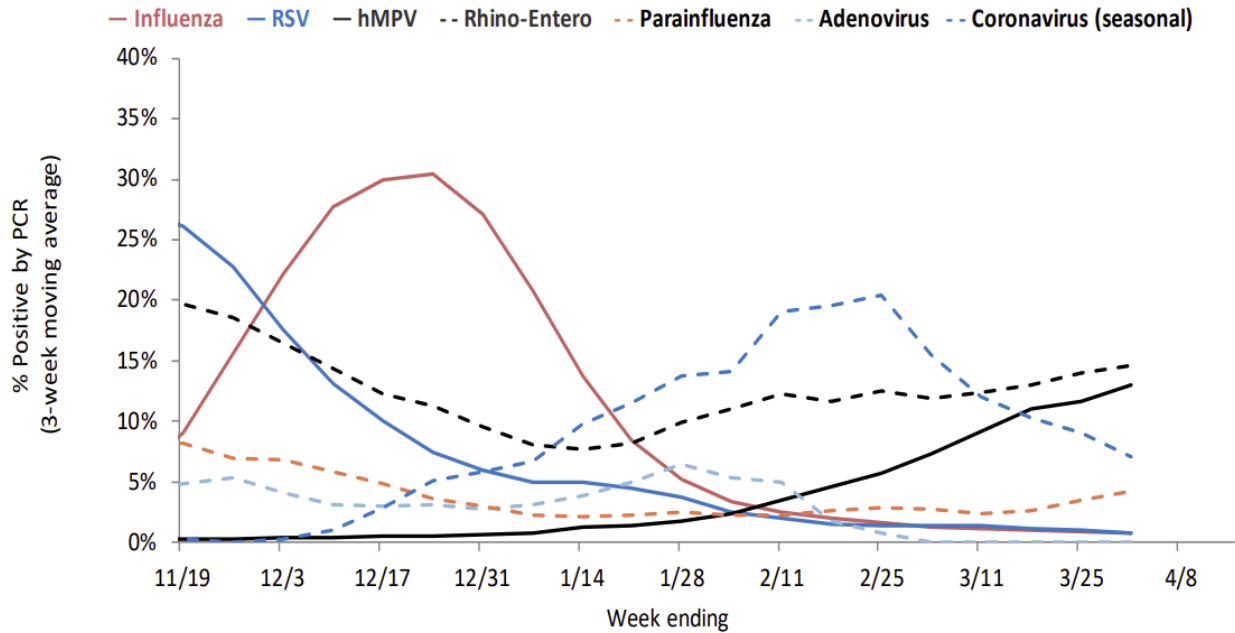
Influenza-like illness levels were below baseline statewide and in the southeastern region of the state.

## Southeastern Region Influenza-Like Illness Activity Southeastern Region



[Wisconsin Department of Health Services Respiratory Virus Surveillance Report](#), April 1, 2023

# Respiratory Virus Laboratory Surveillance



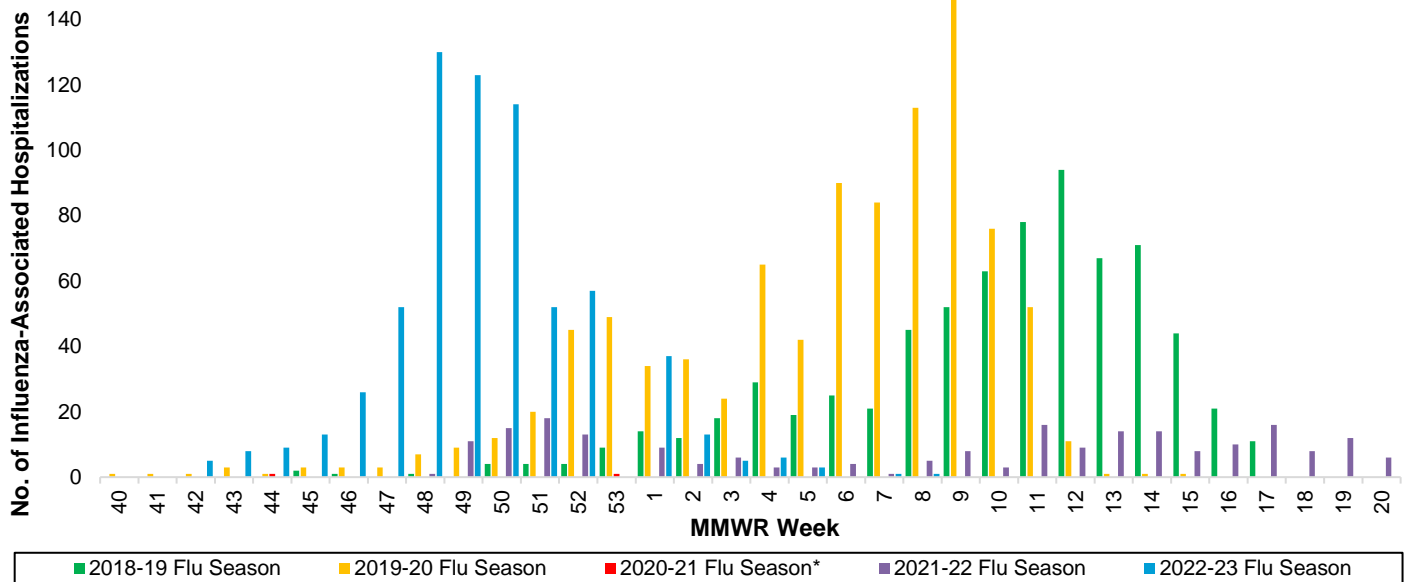
RSV = respiratory syncytial virus, hMPV = human metapneumovirus  
[Wisconsin Department of Health Services Respiratory Virus Surveillance Report](#), April 1, 2023

# Milwaukee County Influenza Activity

From October 1, 2022 April 1, 2023 there have been 655 reported influenza-associated hospitalizations in Milwaukee County. Statewide hospitalization data are not yet available.

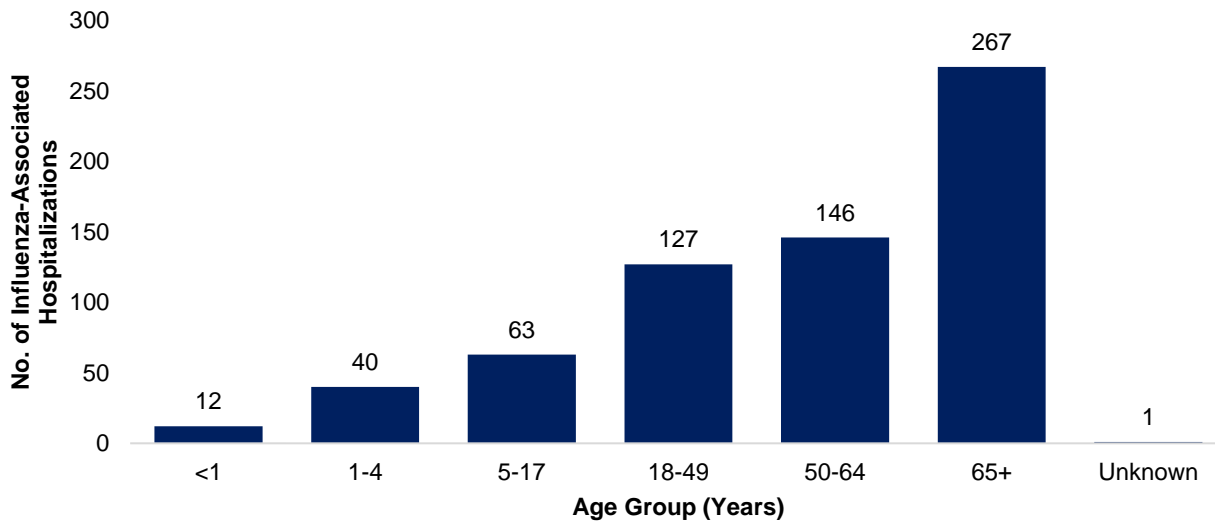
## Milwaukee County Influenza-Associated Hospitalizations

**Influenza Activity by Week in Milwaukee County**



\*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 13, 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	219,677	28,450	44/4,415 (1.0%)	H1N1	Victoria	A and B
WSLH			80/10111 (0.8%)	Unknown	Unknown	B
MHDL	58	10	0/2 (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 01, 2023

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

[Download Image](#)



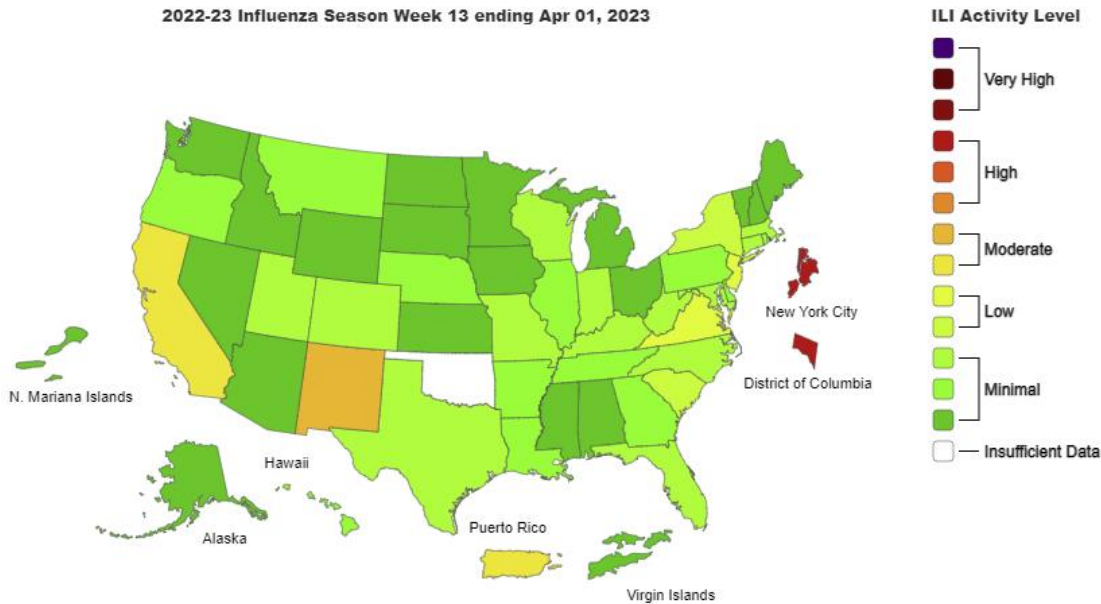
- Cumulative
  - Most Recent 3 weeks
- Number of Influenza Positive Tests**
- A (H1) - 0
  - A (Unable to subtype) - 0
  - A (H3) - 72
  - A (H1N1)pdm09 - 132
  - A (Subtyping not Performed) - 38
  - B (Lineage Unspecified) - 30
  - H3N2v - 0
  - B (Victoria Lineage) - 80
  - B (Yamagata Lineage) - 0
  - No Data/Small Data Sample

<http://gis.cdc.gov/grasp/fluview/fluportaldashboard.html> accessed 4/14/2023

# National Influenza Activity

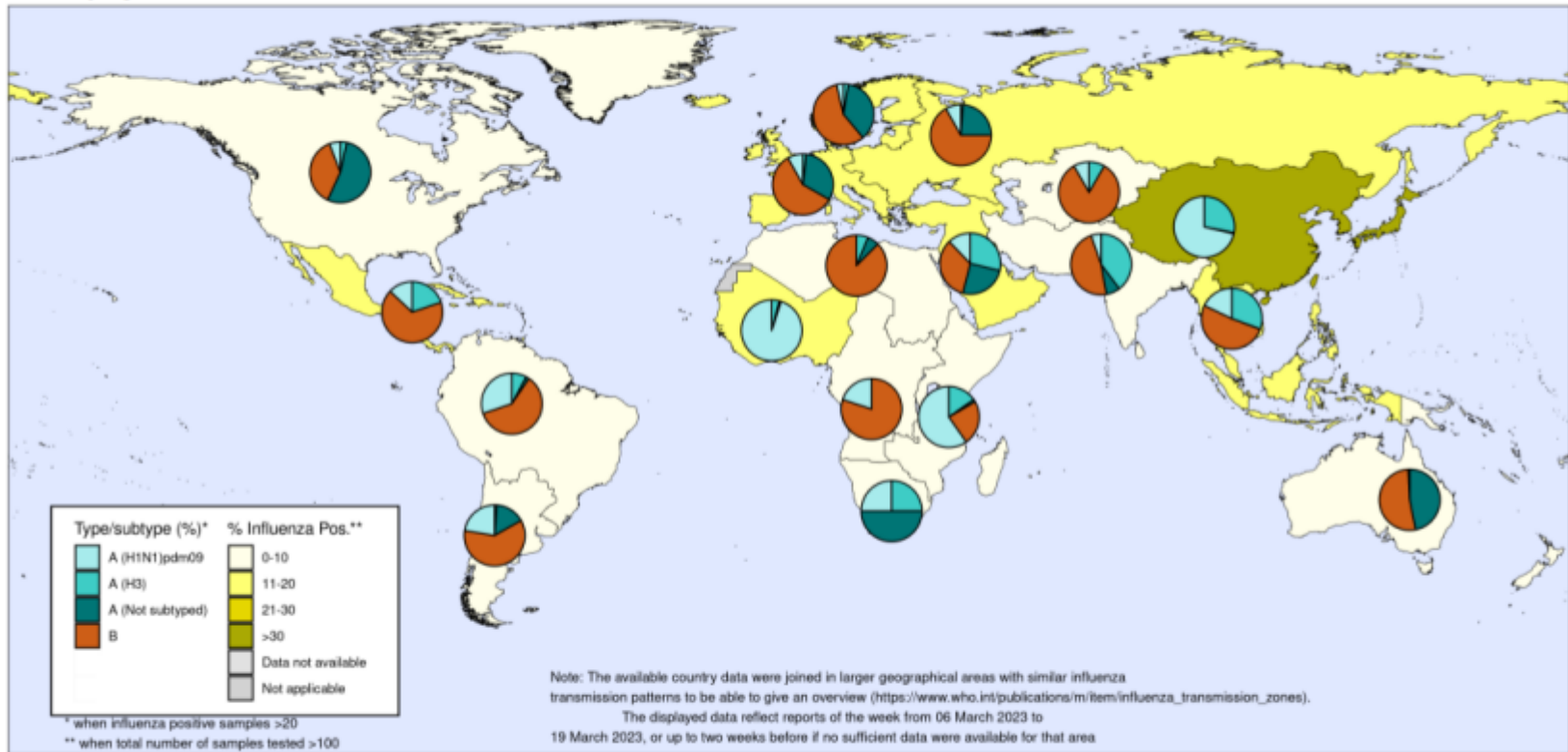
## Outpatient Respiratory Illness Activity Map, CDC FluView

2022-23 Influenza Season Week 13 ending Apr 01, 2023



<https://www.cdc.gov/flu/weekly/index.htm#MS2> accessed 4/14/2023

**Percentage of respiratory specimens that tested positive for influenza, by influenza transmission zone<sup>1</sup>. Map generated on 31 March 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 4/14/2023

# COVID-19 Activity

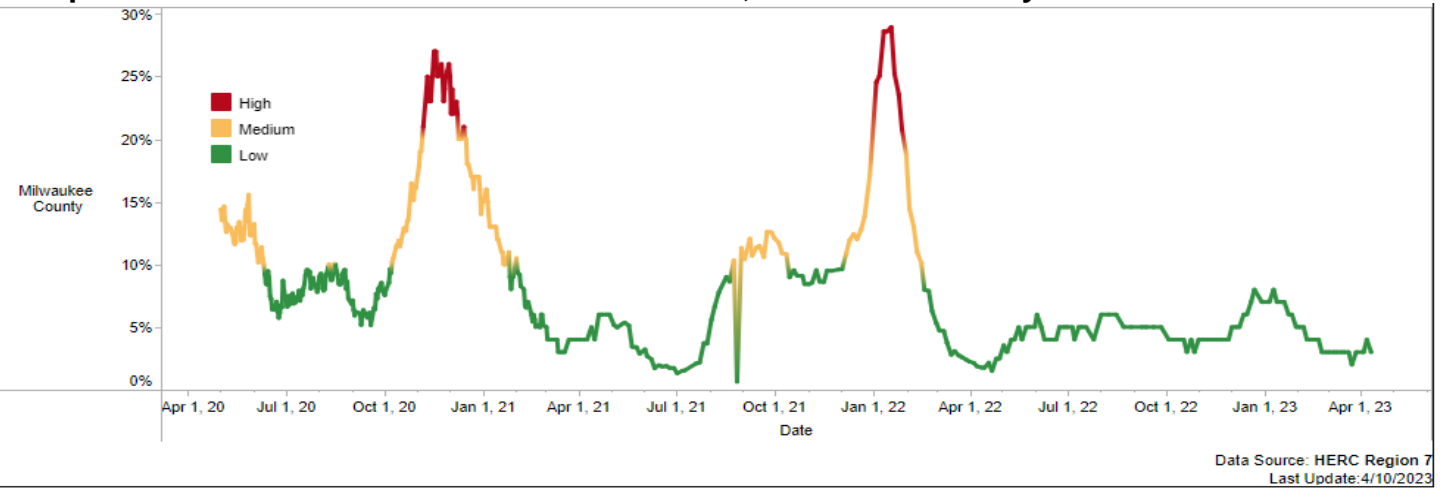
## City of Milwaukee Overview

- From March 1, 2020 through April 13<sup>th</sup>, 2023, there have been 182,027 reported confirmed positive COVID-19 cases and 1,120 COVID-19 associated deaths in the City of Milwaukee.
- Considering vaccination status, as of March 16, 2023:
  - 55.0% of city residents have completed their primary COVID-19 vaccination series
  - 30.3% of city residents have received at least one COVID-19 booster

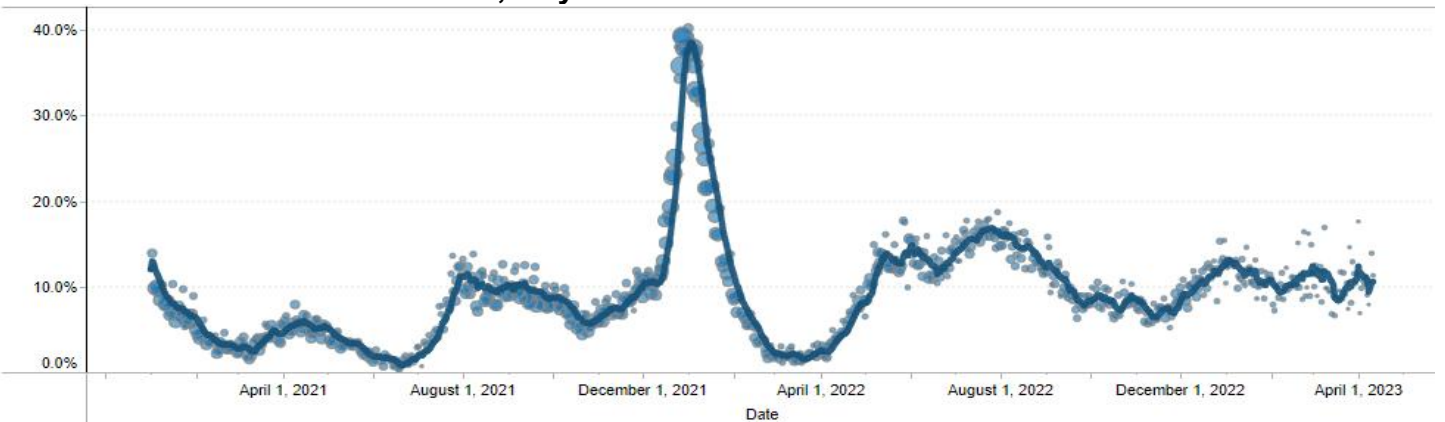
## COVID-19 Community Metrics, Updated April 14, 2023

COVID-19 Community Level - <b>Low</b>		
<u>County</u> 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>46.1</u> )	45.47	Down from 58.69
New COVID-19 admissions per 100,000 population	6.3	Down from 7.6
% Staffed inpatient beds in use by patients with confirmed COVID-19	2.9%	Down from 3.1%

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



## Percent Positive COVID-19 Tests, 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.

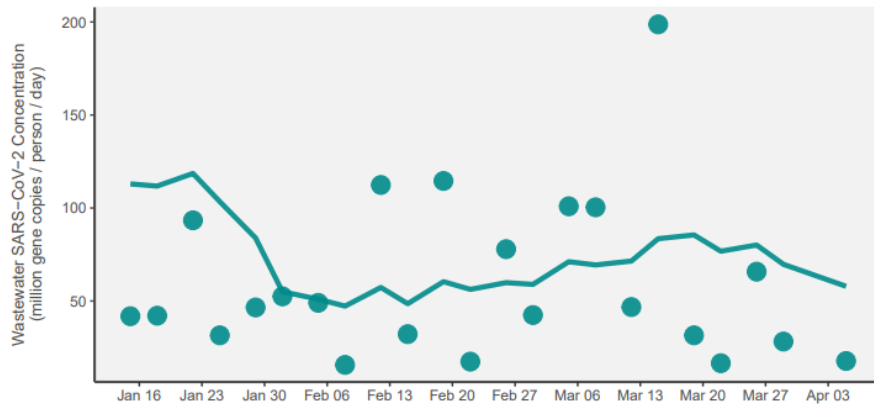
# SARS-CoV-2 Wastewater Surveillance

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


**Trajectory:** Between 3/19/2023 and 4/05/2023, 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		Category:	Trajectory:
		Low	No alert

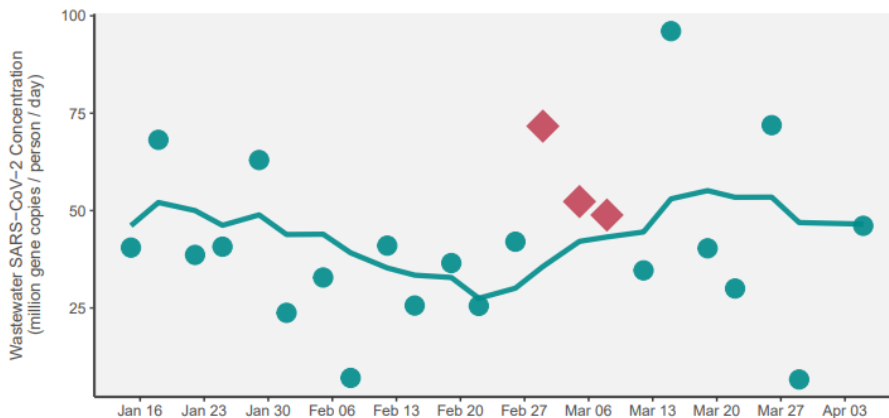
90-Day Wastewater Trend for Milwaukee Jones Island (Jan 13, 2023–Apr 13, 2023)



◆ - Significant Increase

<b>Milwaukee (South Shore)</b> Estimated population served: 615,934		Category:	Trajectory:
		Low	No alert

90-Day Wastewater Trend for Milwaukee South Shore (Jan 13, 2023–Apr 13, 2023)



◆ - Significant Increase