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HEALTH DEPARTMENT
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Milwaukee Respiratory Virus Surveillance Update
MMWR Week 18, Ending May 6, 2023

Contents

Overview

County

- There were 0 influenza-associated hospitalizations reported in Milwaukee County during the week ending in May 6, 2023. From October 1, 2022 through May 6, 2023, there have been 642 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 south-eastern region of the state.
- Outpatient ILI activity continues to decline in Wisconsin. The percent positive influenza lab tests decreased slightly to 0.8%.
- Rhinovirus/Enterovirus is the predominant virus for this week. Parainfluenza-3 activity is increasing statewide.

National

- Seasonal influenza activity remains low nationally. One state/jurisdiction experienced moderate ILI activity and one experienced high ILI activity. Wisconsin had minimal ILI activity in outpatient visits.
- 1 influenza-associated pediatric deaths were reported during this week.
- Influenza B 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 2022-2023 influenza season contain the following:

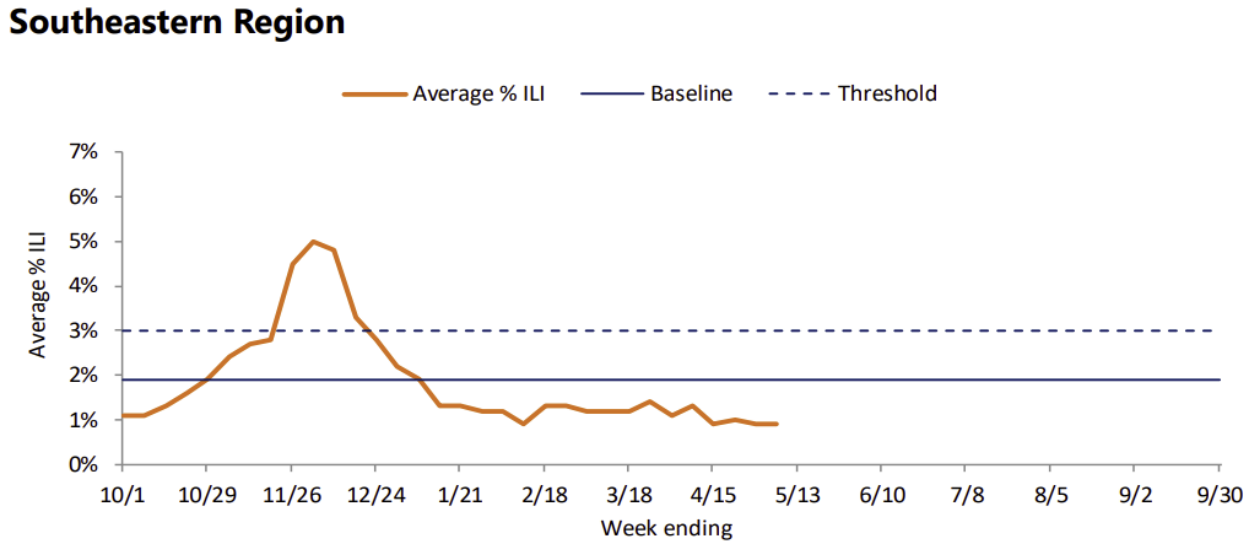
- an A/Victoria/2570/2019 (H1N1)pdm09-like virus;
- an A/Darwin/9/2021 (H3N2)–like virus;
- a B/Austria/1359417/2021–like virus (B/Victoria lineage); and
- a B/Phuket/3073/2013-like virus (B/Yamagata lineage)

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
150	46	1	One influenza-associated pediatric death occurring during the 2022-2023 season was reported to CDC during week 18. The death was associated with an influenza A(H3) virus and occurred during week 50 of 2022 (the week ending December 17, 2022).

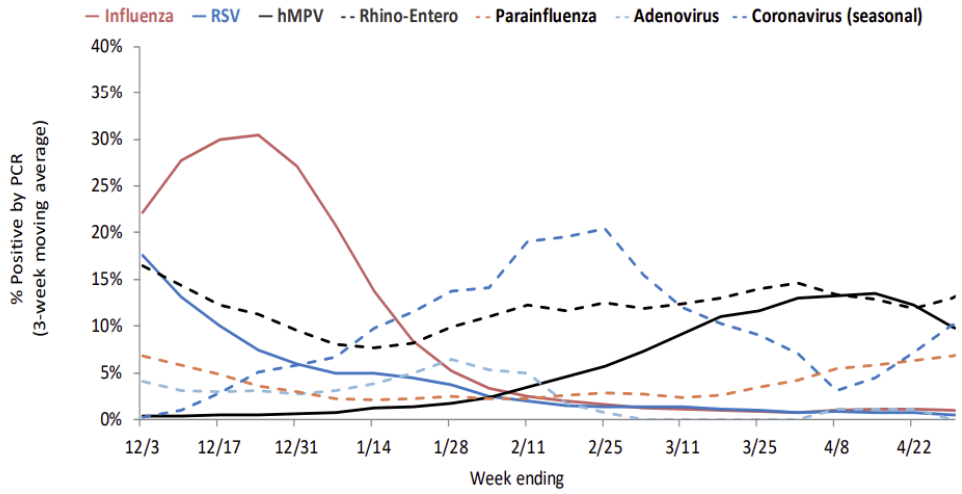
Statewide and Regional Influenza Activity

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



Wisconsin Department of Health Services Respiratory Virus Surveillance Report, May 6, 2023

Respiratory Virus Laboratory Surveillance



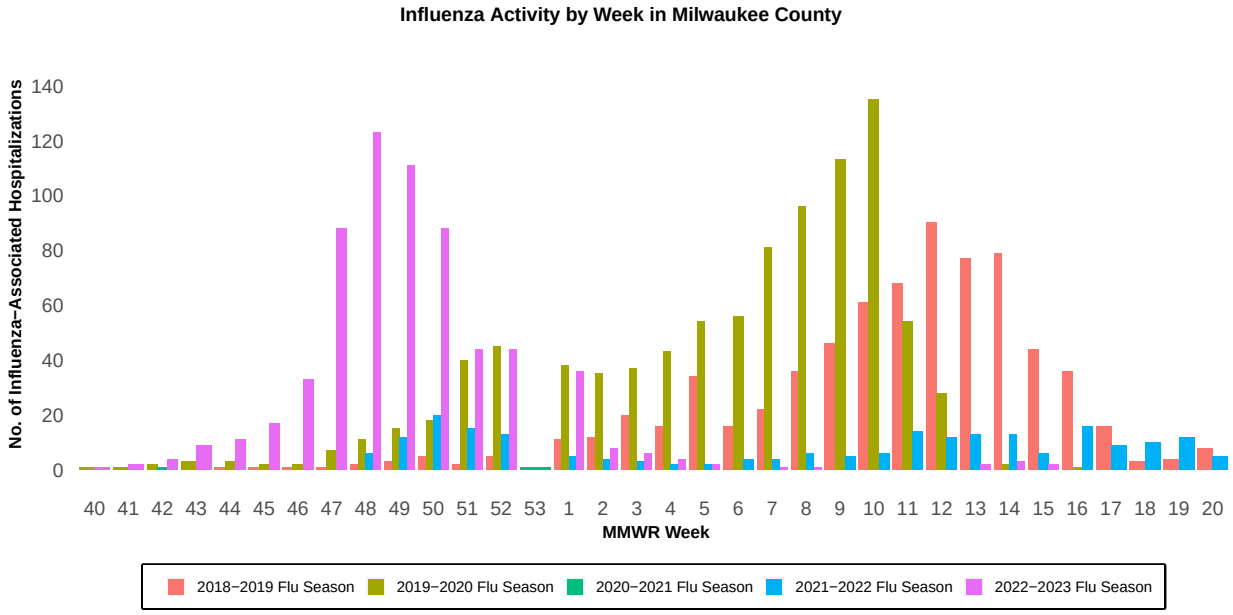
RSV = respiratory syncytial virus, hMPV = human metapneumovirus

Wisconsin Department of Health Services Respiratory Virus Surveillance Report, May 6, 2023

Milwaukee County Influenza Activity

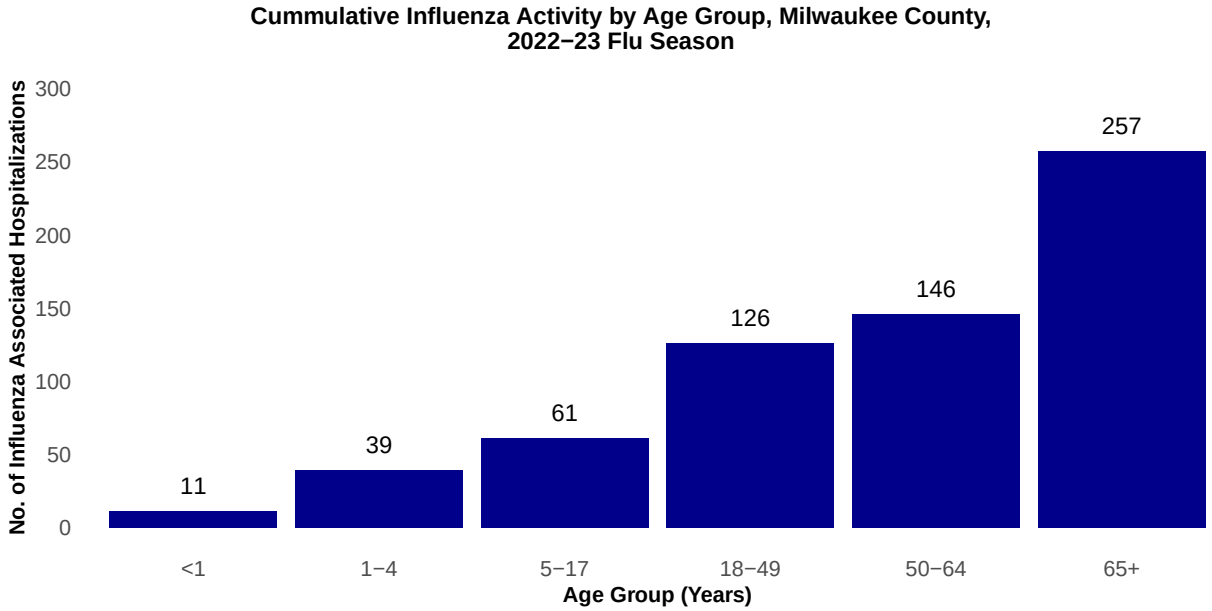
From October 1, 2022 through May 6, 2023 there have been 642 reported influenza-associated hospitalizations in Milwaukee County. Statewide hospitalization data are not yet available.

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 18, 2023

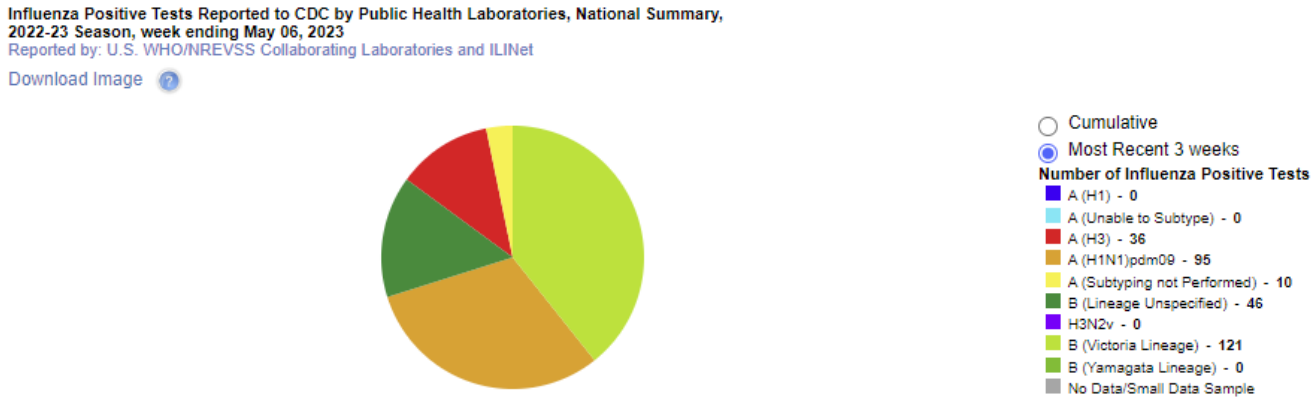


Influenza Testing Data

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	241,869	29,109	35/3,553(1.0%)	(H1N1)pdm09	Victoria	B
WSLH	-	-	45/5,719(0.8%)	Unknown	Unknown	A
MHDL	65	10	0/1(0.0%)	H3N2	N/A	A

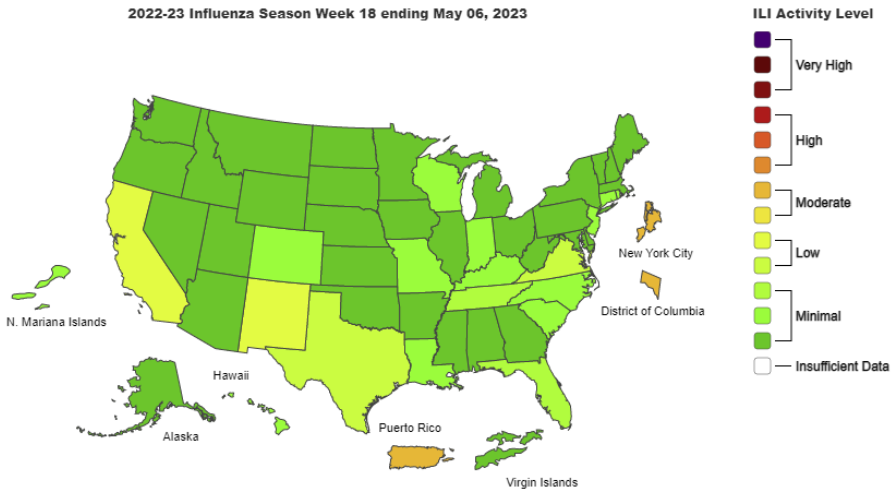
National Influenza Testing Data, CDC FluView



http://gis.cdc.gov/grasp/fluview/fluportaldashboard.html accessed 05/19/2023

National Influenza Activity

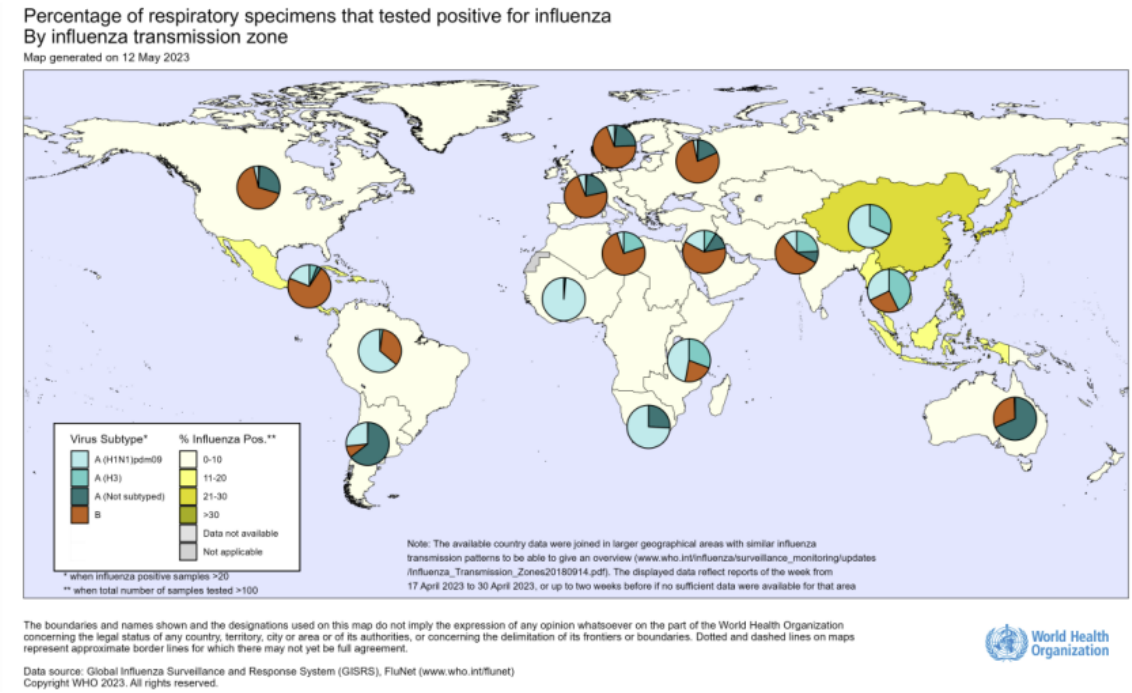
Outpatient Respiratory Illness Activity Map, CDC FluView



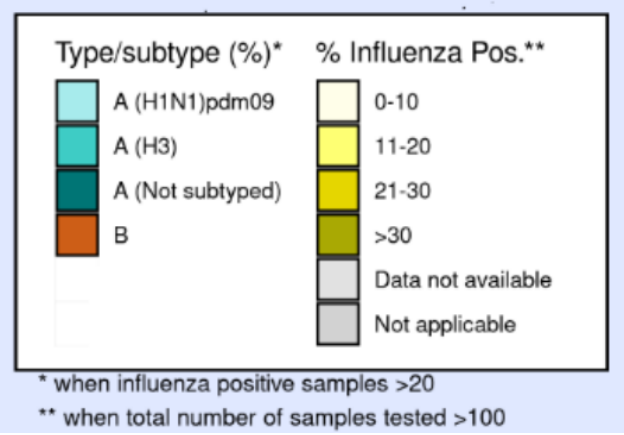
https://www.cdc.gov/flu/weekly/index.htm#MS2 accessed 05/19/2023

Global Influenza Activity

Percentage of respiratory specimens testing positive for influenza, by influenza transmission zone[1]. Map generated on 12 May 2023.



https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-updates, accessed 05/19/2023



- Globally, influenza activity continued to decrease due to decreased activity in the northern hemisphere. Some countries in the southern hemisphere reported increased influenza activity in recent weeks.
- In the U.S., influenza B viruses predominated while several respiratory viruses co-circulated. RSV activity remained low.

COVID-19 Activity

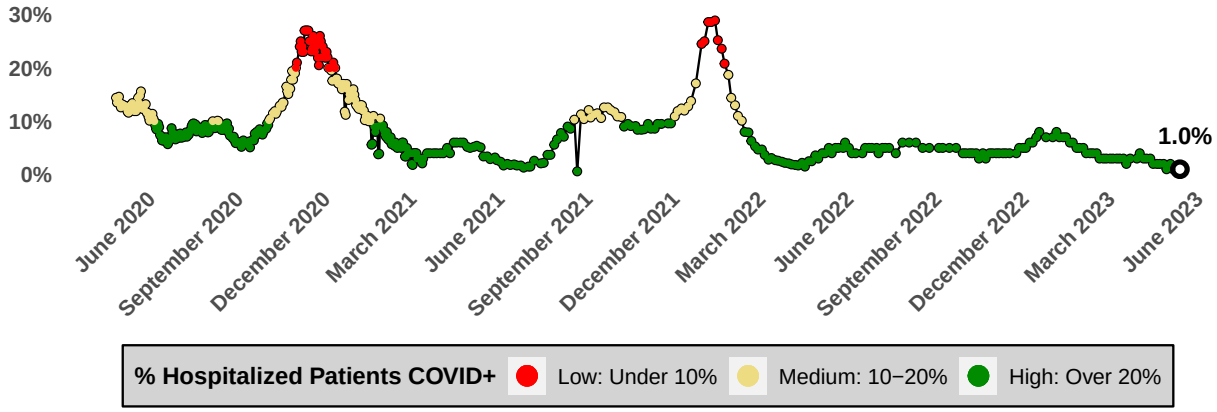
City of Milwaukee Overview

- From March 1, 2020 through May 18, 2023, there have been 177560 reported confirmed positive COVID-19 cases and 1120 COVID-19 associated deaths in the City of Milwaukee.
- Considering vaccination status, as of May 18, 2023:
  - 55.6% of city residents have completed their primary COVID-19 vaccination series
  - 29.3% of city residents have received at least one COVID-19 booster

COVID-19 Hospital Admission Metrics, Updated May 13, 2023

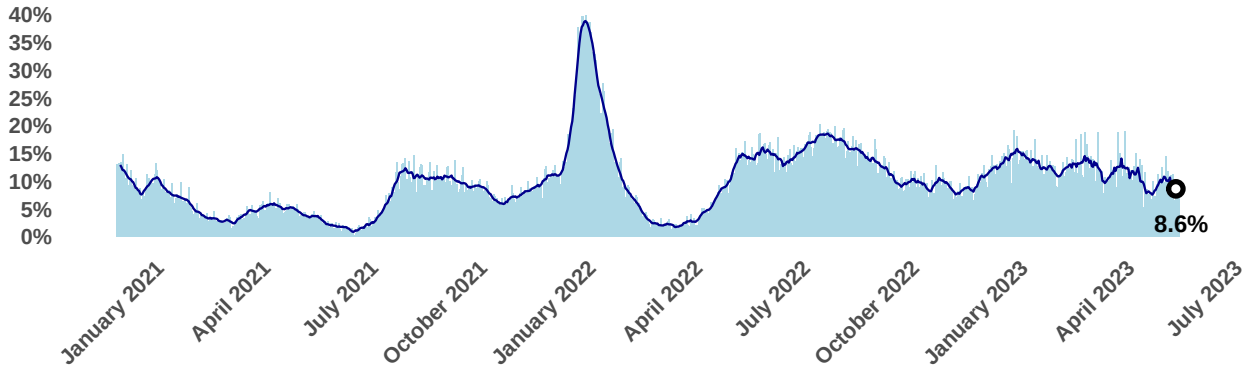
COVID-19 Hospital Admission Level - Low		
County Weekly Metrics Used to Determine the COVID-19 Hospital Admission Level		**Comparison to Prior Week**
New hospital admissions of confirmed COVID-19, past week (total)	62	Up from 59
New COVID-19 admissions per 100,000 population	3.9	Up from 3.7
% Staffed inpatient beds occupied by patients with confirmed COVID-19 past week (average)	1.5%	Down from 1.9%

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



Data Source: HERC Region 7
Last Update:2023-05-18

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.

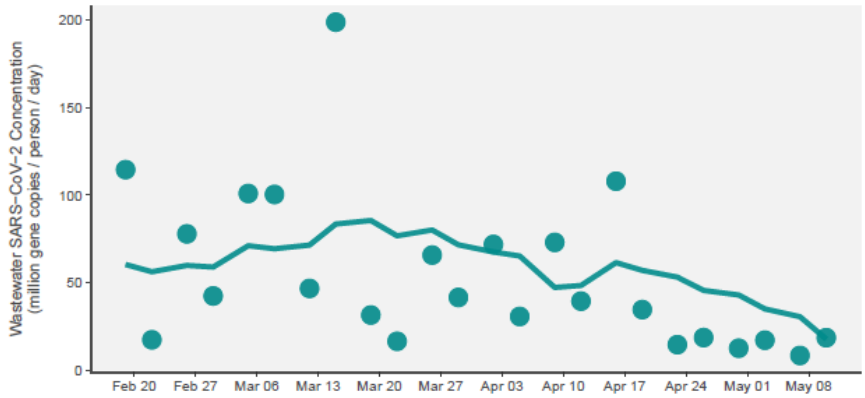
SARS-CoV-2 Wastewater Surveillance

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 04/26/2023 and 05/10/2023, wastewater concentrations of SARS-CoV-2 ***did not significantly increase*** in the Jones Island or South Shore sewersheds.

Milwaukee (Jones Island)	Category:	Trajectory:
Estimated population served: 470,007	Very low	No alert

90-Day Wastewater Trend for Milwaukee Jones Island (Feb 17, 2023–May 18, 2023)



Milwaukee (South Shore)	Category:	Trajectory:
Estimated population served: 615,934	Very low	No alert

90-Day Wastewater Trend for Milwaukee South Shore (Feb 17, 2023–May 18, 2023)