

Quarterly COVID-19 and Infectious Diseases Update

**Cook County Board Health & Hospitals
Committee Meeting
December 12, 2023**

Presenter:

- **LaMar Hasbrouck, MD, MPH, MBA – COO Cook County Department of Public Health**



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Measles



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Measles Outbreak (Oct. 2023)

- Cases = 5 individuals, all linked; all were unvaccinated
- Prior to these cases, the last measles case in Illinois was identified in 2019
- CCDPH staff investigated exposures of
 - 274 healthcare workers
 - 336 community members
- All were contacted, notified of exposure, and had their immunity verified
- If no verification of immunity, monitored for 21 days – 88 individuals
- Consulted with CDC to issue ‘do not board’ order on individual not cooperating with recommendations



COVID-19



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COVID-19

Data for week ending 11/25/23

- COVID-19 activity is currently **low**.
- Deaths, hospitalizations and emergency department visits have **increased** since last report.
- Total cases: 718,709
- Deaths: 7,693

For the week ending Nov 25, 2023:

Low

Risk Level for COVID-19

2.95%

Percent of ED Visits with COVID-19



7

Hospital Admissions per 100,000



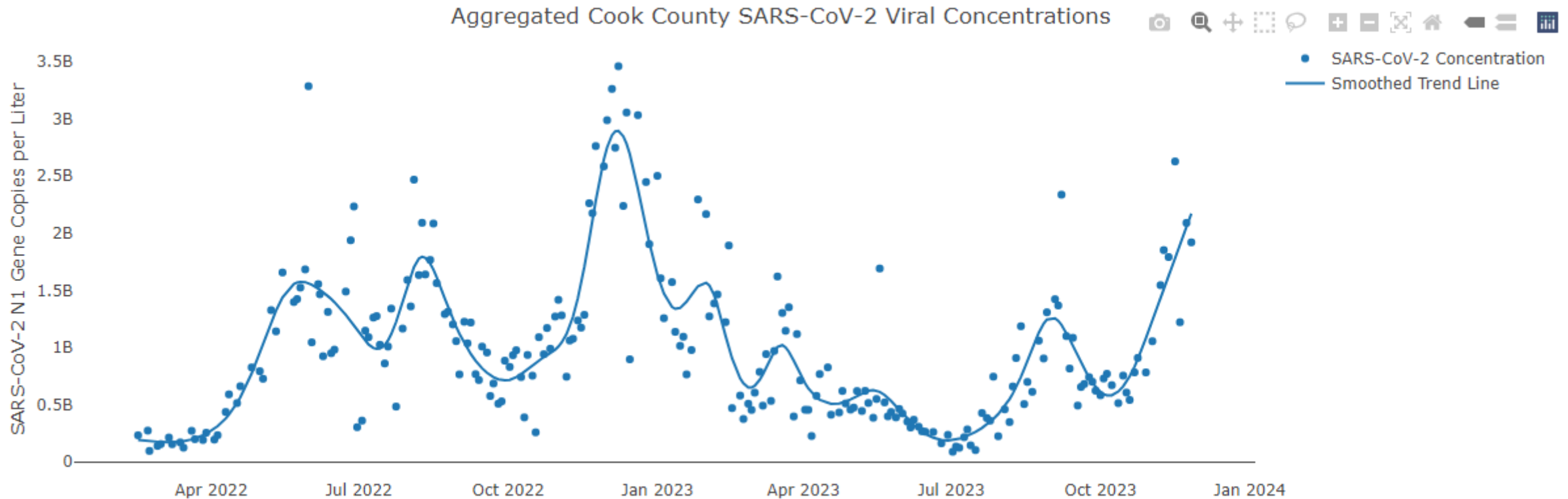
2.6%

Percent of Deaths Associated with COVID-19



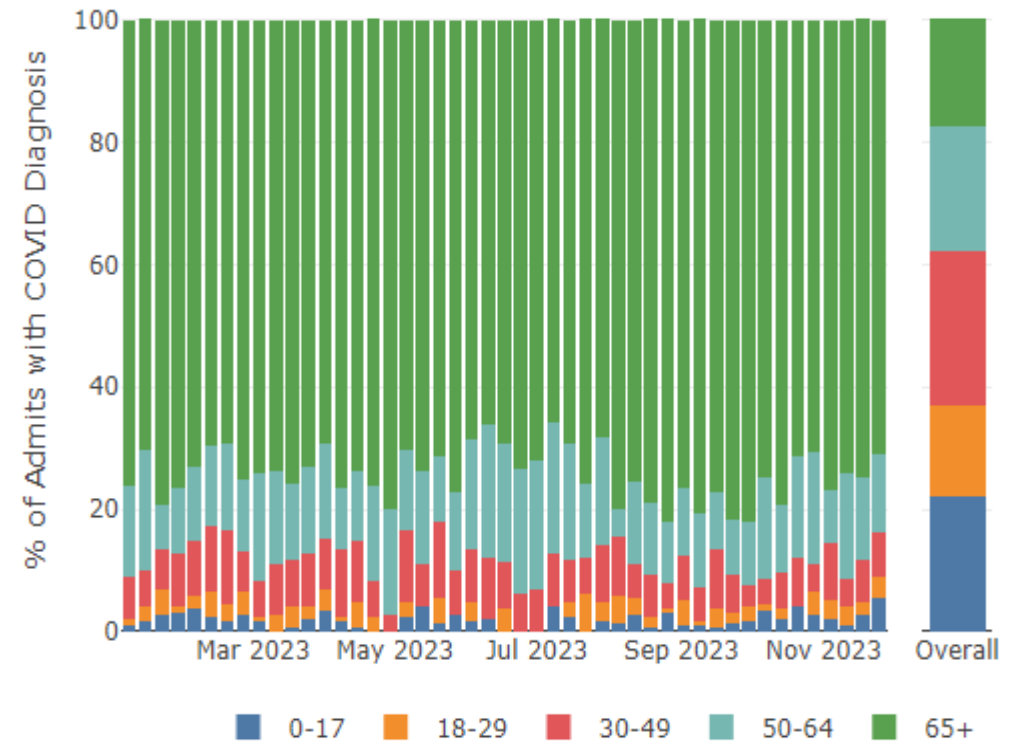
Wastewater surveillance

Wastewater concentrations are **increasing**



COVID-19 Admissions by Age– Suburban Residents

- Majority of hospital admissions – individuals 65+
 - Week ending 11/25:
 - 65+ : 70.9% ■
 - 0-17: 5.6% ■

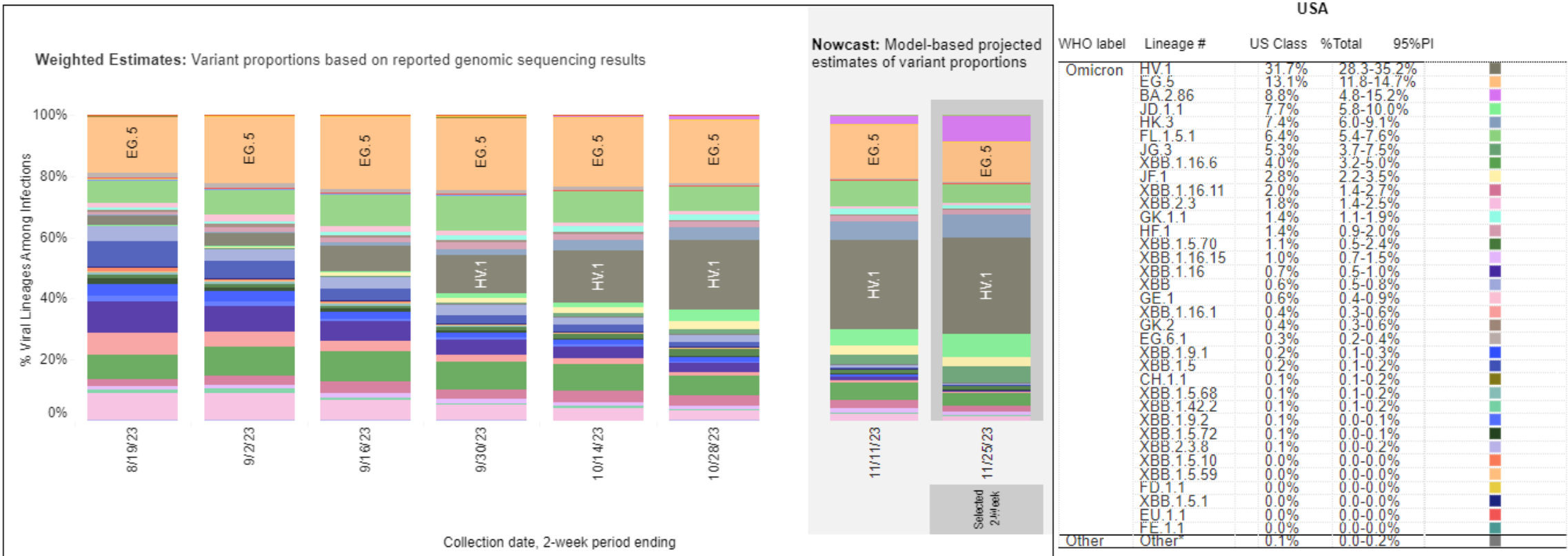


Important Updates – COVID-19 Variants

Sequencing results – national data

Weighted and Nowcast Estimates in United States for 2-Week Periods in 8/6/2023 – 11/25/2023

Nowcast Estimates in United States for 11/12/2023 – 11/25/2023



Important Updates – New COVID-19 Seasonal Vaccine

- Everyone 6 months and older is eligible
- Moderna, Pfizer both approved; monovalent – Believed to also protect against circulating variants
- Vaccine timing:
 - Recent COVID infection? Wait 3 months for new vaccine dose
 - Previous vaccine? Wait 2 months for new vaccine
- Vaccination is the most effective way to prevent complications from COVID-19
- Only **~10% uptake so far**



CCDPH Vaccination program

changes to the program - end of 2023

- Mobile vaccination and in-home vaccination are ending – many providers, adequate vaccine supply, retail pharmacies front-line for insured and uninsured.
- Last CCDPH community vaccination clinics are scheduled for 12/17/23
- CCDPH partners providing mobile vaccination:
 - AgeOptions (seniors) – all SCC
 - Alivio Medical Center – western SCC
 - Family Christian Health Center – south/southwest SCC
 - TCA Health – south/southwest SCC
- CCH continues community vaccination at Stroger and Provident Hospitals



Flu and RSV



Flu - Suburban Cook County

- Influenza activity is currently **low** but **increasing** across multiple metrics.
- Among children under five and school-aged children, ED visits for flu have quadrupled in the last three weeks and are the highest of any age group.
- Wastewater detections for influenza, RSV, and COVID-19 are increasing rapidly.

For the week ending Nov 25, 2023:*

Low

Activity Level for Influenza



1.2%

Percent of ED Visits with Flu



4.6%

Percent of Lab Tests Positive for Flu



1

Number of ICU Admissions for Flu



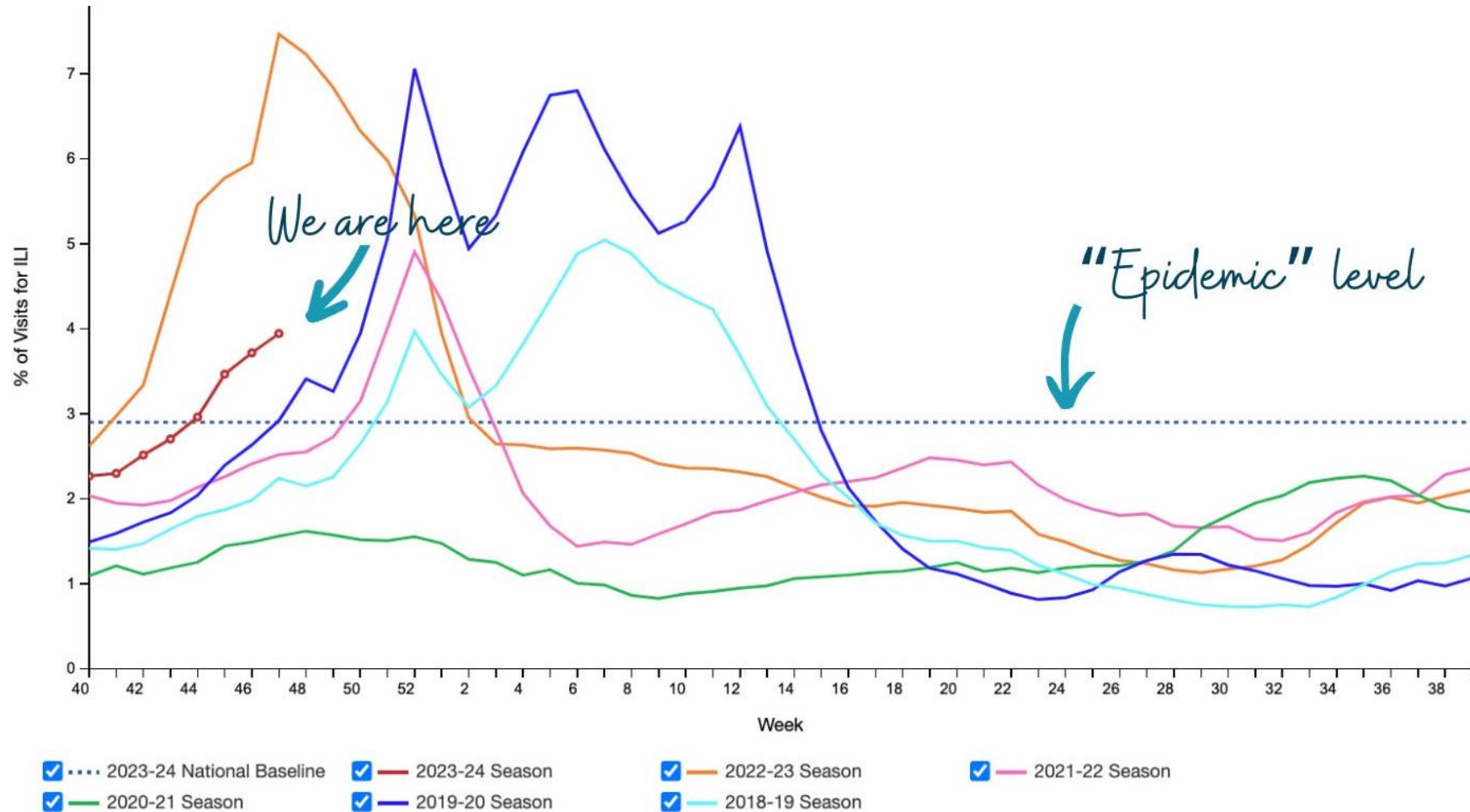
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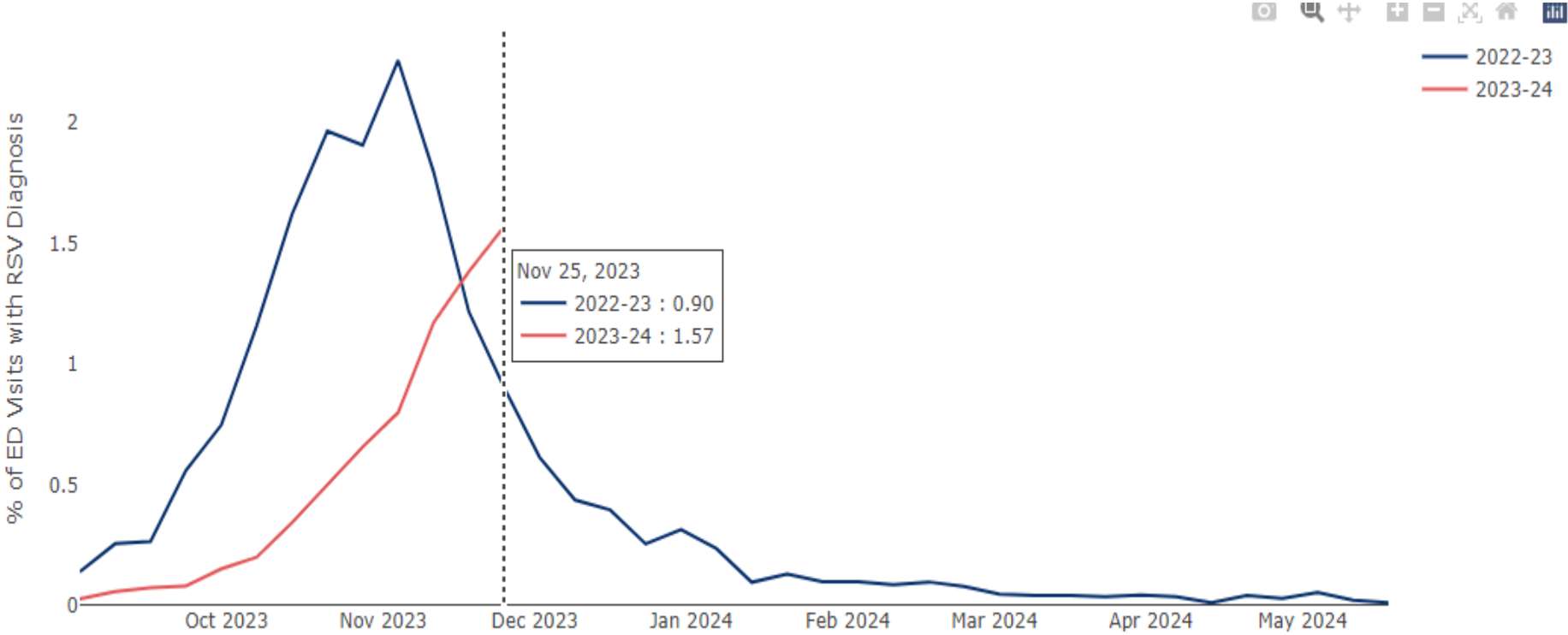
Flu – National Data

- Nationally, the percentage of hospital visits for influenza-like illness is above the epidemic threshold



RSV

- Among children under five, visits for RSV remain above pre-pandemic highs; however, we are likely approaching the seasonal peak.



Mpox Virus Update



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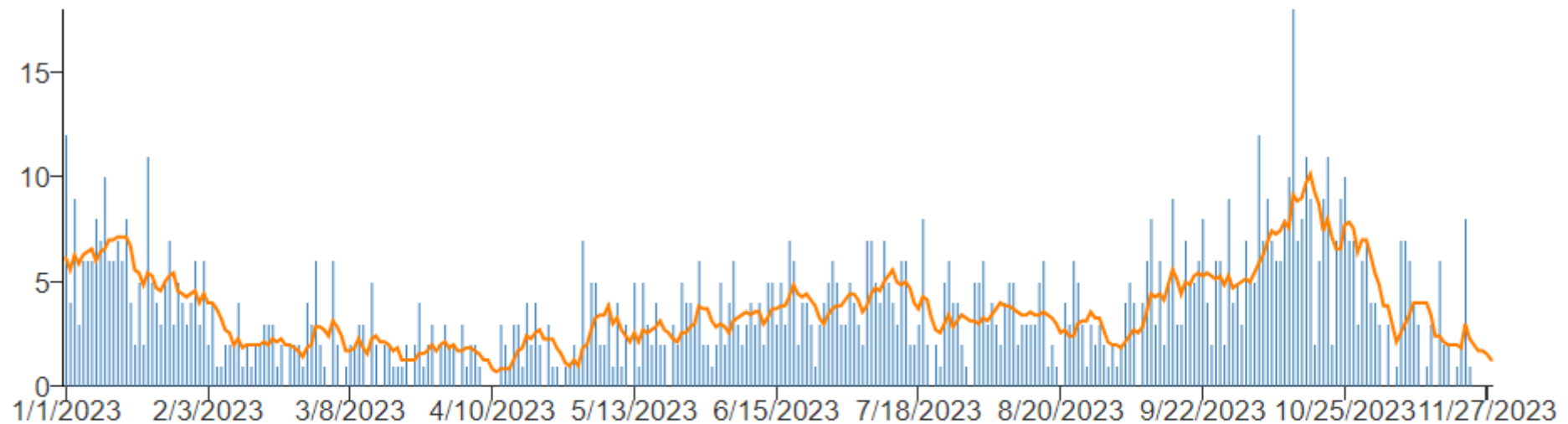


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Mpox Data- United States

National Mpox Case Trends Reported to CDC – as of 11/27/23

- 7-day moving avg as of 11/28: 0



Mpox Data - Chicago

Data last updated 12/5/2023. Counts include cases with specimen collections through 11/30/2023 to account for reporting lags. Data are updated on Mondays and Thursdays at 2:00p.m., except for City holidays. All data are provisional and subject to change.

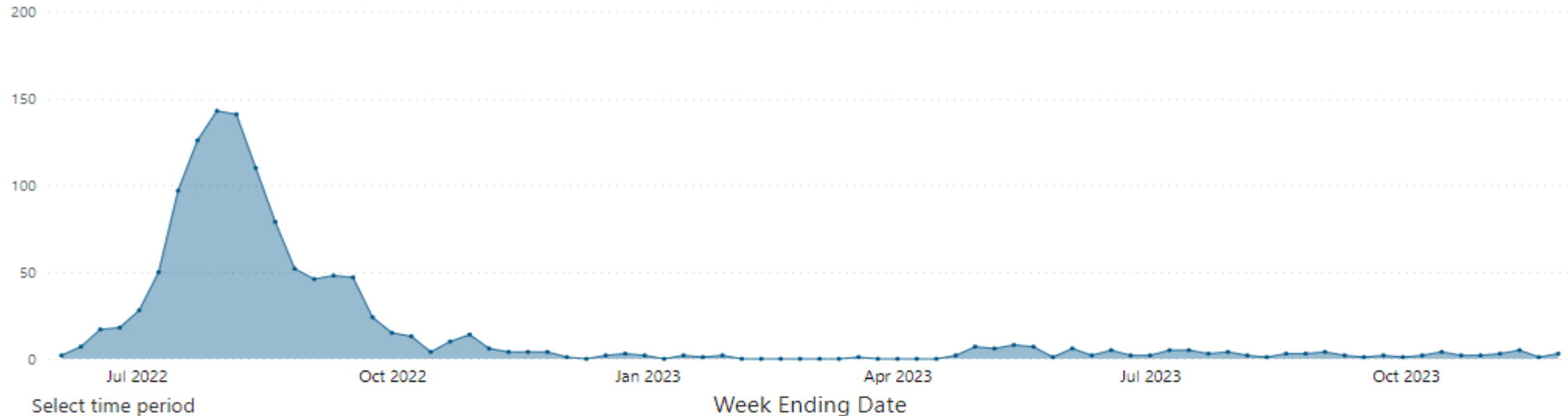
Cases of Mpox Diagnosed in Chicagoans Between 6/4/2022 - 11/30/2023

3 cases were diagnosed last week. This is 200.0% higher than the number of cases diagnosed during the prior week.

Cases
1,229

Hospitalizations
66

Deaths
4



*Data represented in the last reported week are not yet complete.



Mpox Data – Suburban Cook County

as of 12/5/23

145

Total Cases

13

Hospitalizations

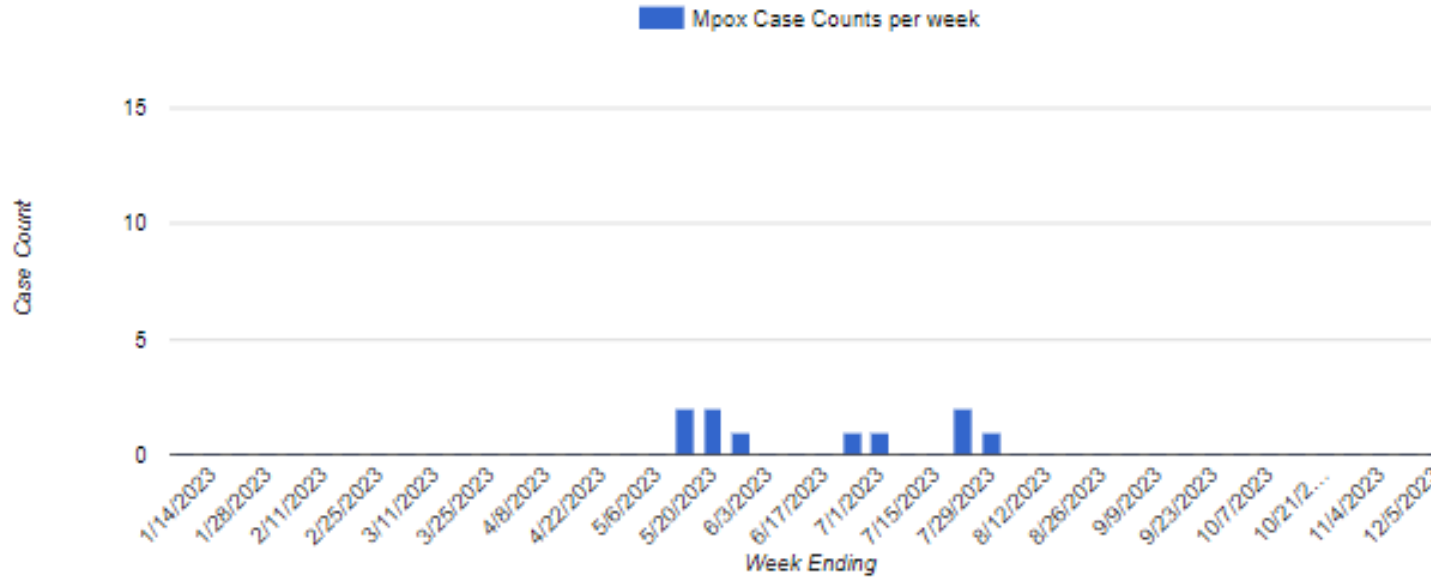
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Deaths

3,576

Residents Vaccinated

Mpox Cases Diagnosed in Suburban Cook County, by week 2023



No new cases in SCC since July 2023



Thank you



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