

ACL Laboratories Respiratory Virus and Monkeypox Virus Activity Report

Updated: January 12, 2023

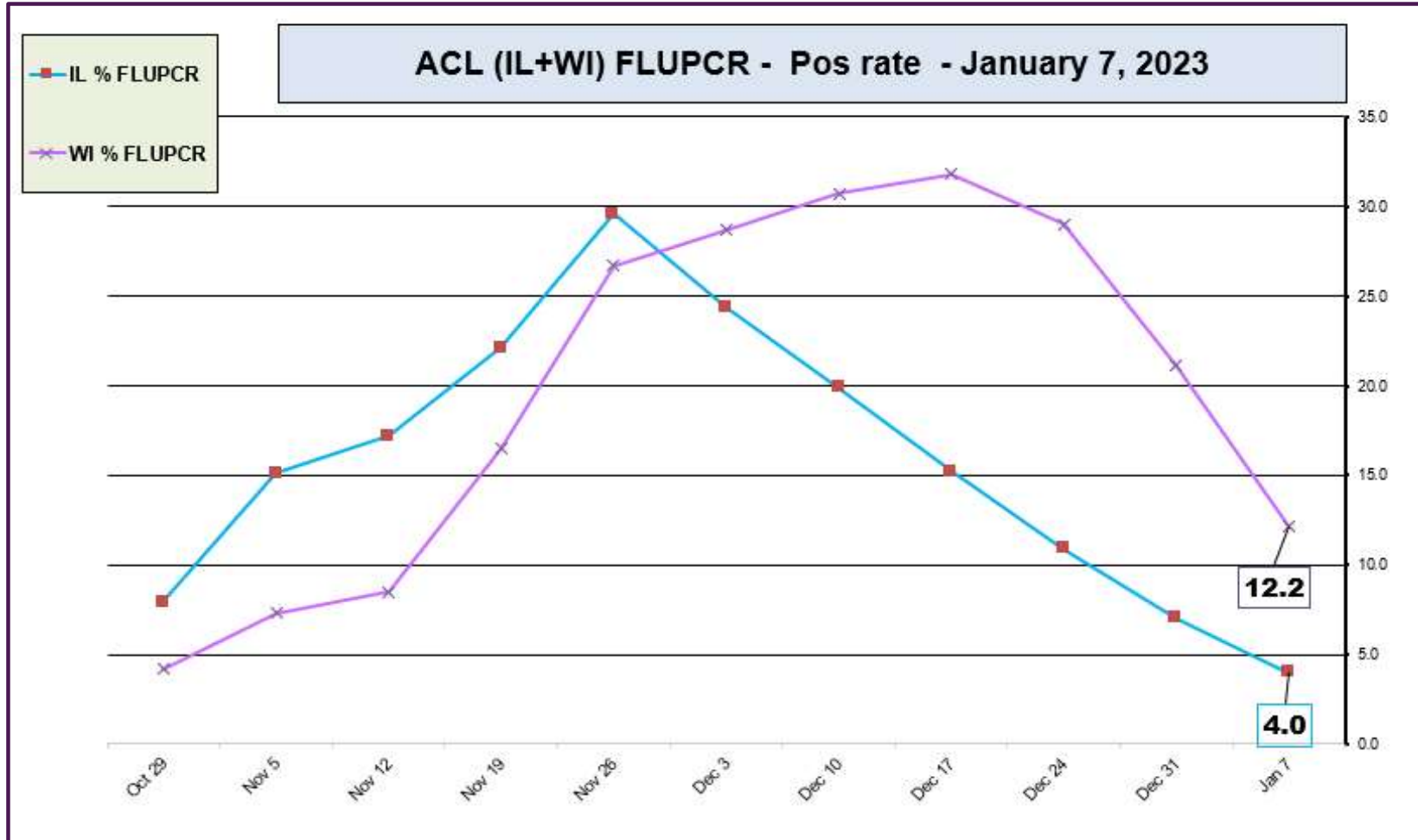


RESPIRATORY PATHOGEN PANEL FEBRUARY 2022 - JANUARY 12, 2023 Positivity Rate (%)

| MONTH | FLU A UnSub | FLU A (H1N1) | 2009 H1N1 | FLU A H3N2 | FLU B | RSV A/B | PARA 1 | PARA 2 | PARA 3 | PARA 4 | COR 229E | COR NL63 | COR OC43 | COR HKU1 | META | ENTERO/RHINO | Adeno | BOCA | Legio-nella | Chla-mydia | Mycoplasm |
|----------|-------------|--------------|-----------|------------|-------|---------|--------|--------|--------|--------|----------|----------|----------|----------|------|--------------|-------|------|-------------|------------|-----------|
| JAN 2023 | 0.4 | 0.0 | 0.6 | 1.0 | 0.0 | 1.8 | 0.4 | 0.0 | 0.8 | 0.2 | 0.0 | 0.4 | 3.9 | 1.6 | 4.5 | 10.2 | 2.6 | 2.9 | 0.0 | 0.0 | 0.0 |
| DEC 2022 | 0.3 | 0.1 | 1.0 | 7.0 | 0.1 | 3.6 | 1.1 | 0.2 | 0.5 | 1.5 | 0.3 | 0.6 | 1.7 | 1.3 | 2.1 | 11.7 | 2.9 | 4.0 | 0.1 | 0.1 | 0.1 |
| NOV 2022 | 0.3 | 0.0 | 0.5 | 5.6 | 0.0 | 8.1 | 1.6 | 0.5 | 0.8 | 1.4 | 0.1 | 0.1 | 0.5 | 0.0 | 0.8 | 13.0 | 2.6 | 3.3 | 0.0 | 0.0 | 0.0 |
| OCT 2022 | 0.1 | 0.0 | 0.2 | 0.8 | 0.0 | 10.0 | 2.1 | 0.4 | 0.5 | 3.5 | 0.0 | 0.1 | 0.1 | 0.1 | 0.7 | 18.2 | 2.4 | 2.6 | 0.0 | 0.0 | 0.0 |
| SEP 2022 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 0.9 | 0.0 | 0.4 | 2.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.3 | 22.8 | 0.9 | 0.9 | 0.1 | 0.0 | 0.0 |
| AUG 2022 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 1.6 | 0.7 | 0.0 | 0.8 | 1.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.5 | 15.2 | 2.0 | 2.1 | 0.2 | 0.0 | 0.0 |
| JUL 2022 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 1.7 | 0.2 | 0.1 | 3.3 | 0.7 | 0.0 | 0.1 | 0.3 | 0.2 | 1.6 | 9.7 | 2.1 | 0.7 | 0.0 | 0.0 | 0.0 |
| JUN 2022 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 1.8 | 0.5 | 0.2 | 9.5 | 1.0 | 0.0 | 0.2 | 0.5 | 0.1 | 3.6 | 12.6 | 1.7 | 0.5 | 0.2 | 0.0 | 0.0 |
| MAY 2022 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.6 | 0.0 | 0.2 | 7.3 | 0.7 | 1.2 | 0.9 | 2.4 | 0.2 | 6.7 | 11.1 | 1.8 | 0.7 | 0.0 | 0.0 | 0.0 |
| APR 2022 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 0.9 | 0.0 | 0.0 | 2.6 | 0.1 | 2.1 | 1.1 | 3.4 | 0.2 | 10.5 | 9.4 | 1.3 | 0.7 | 0.0 | 0.0 | 0.0 |
| MAR 2022 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.8 | 0.0 | 0.1 | 1.1 | 0.2 | 1.3 | 0.6 | 4.4 | 0.1 | 6.9 | 11.7 | 2.6 | 1.2 | 0.0 | 0.0 | 0.0 |
| FEB 2022 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.2 | 0.7 | 0.0 | 2.1 | 0.0 | 4.8 | 8.0 | 1.9 | 3.2 | 0.0 | 0.0 | 0.0 |

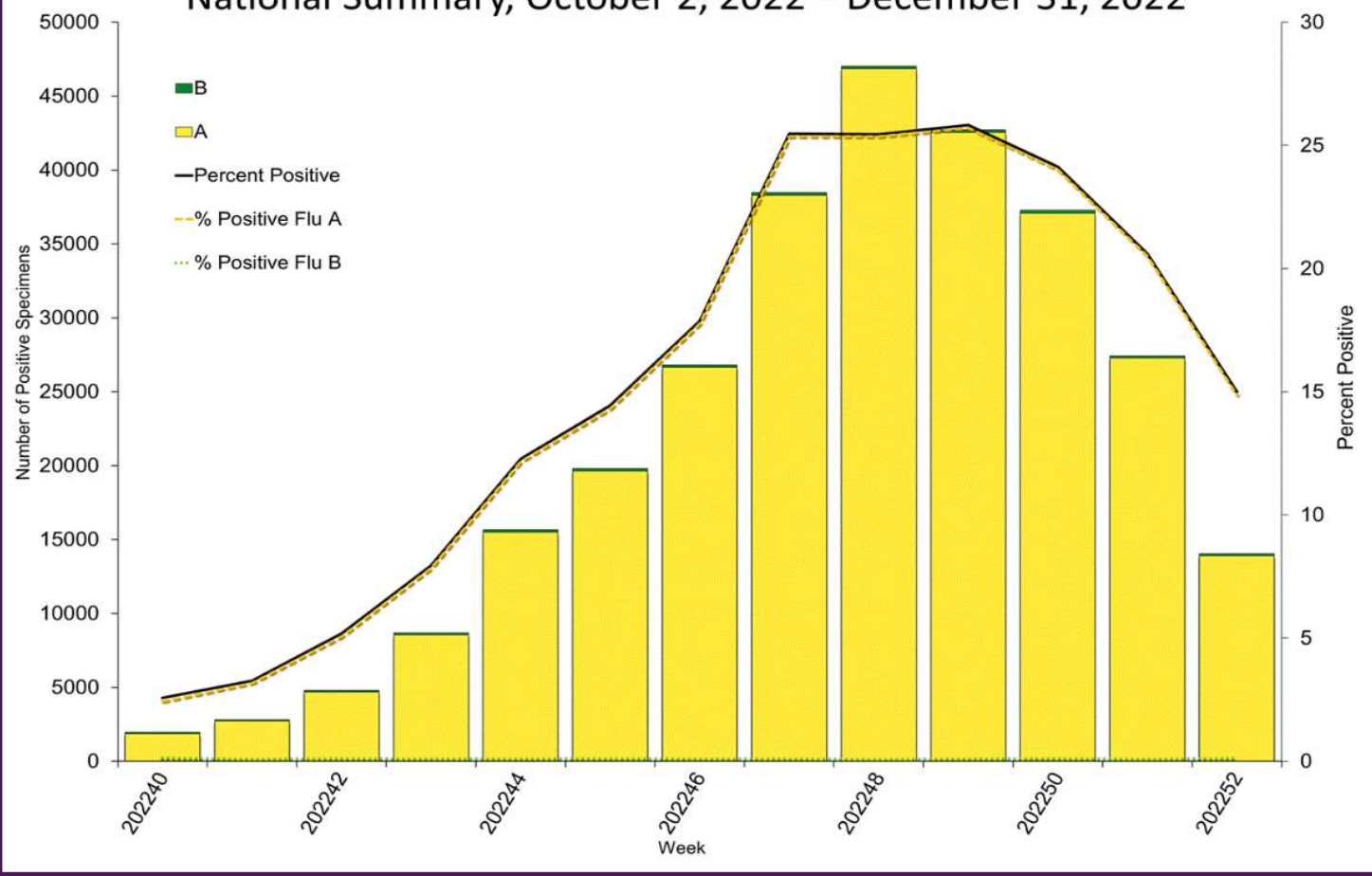
Data generated using: RPPNL (LAB9955)

ACL INFLUENZA positivity rate (Oct 29, 2022 – Jan 7, 2023)



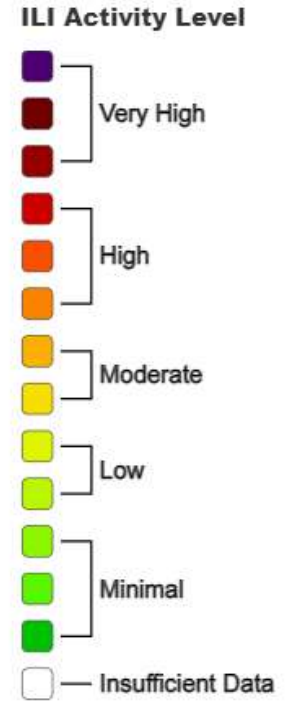
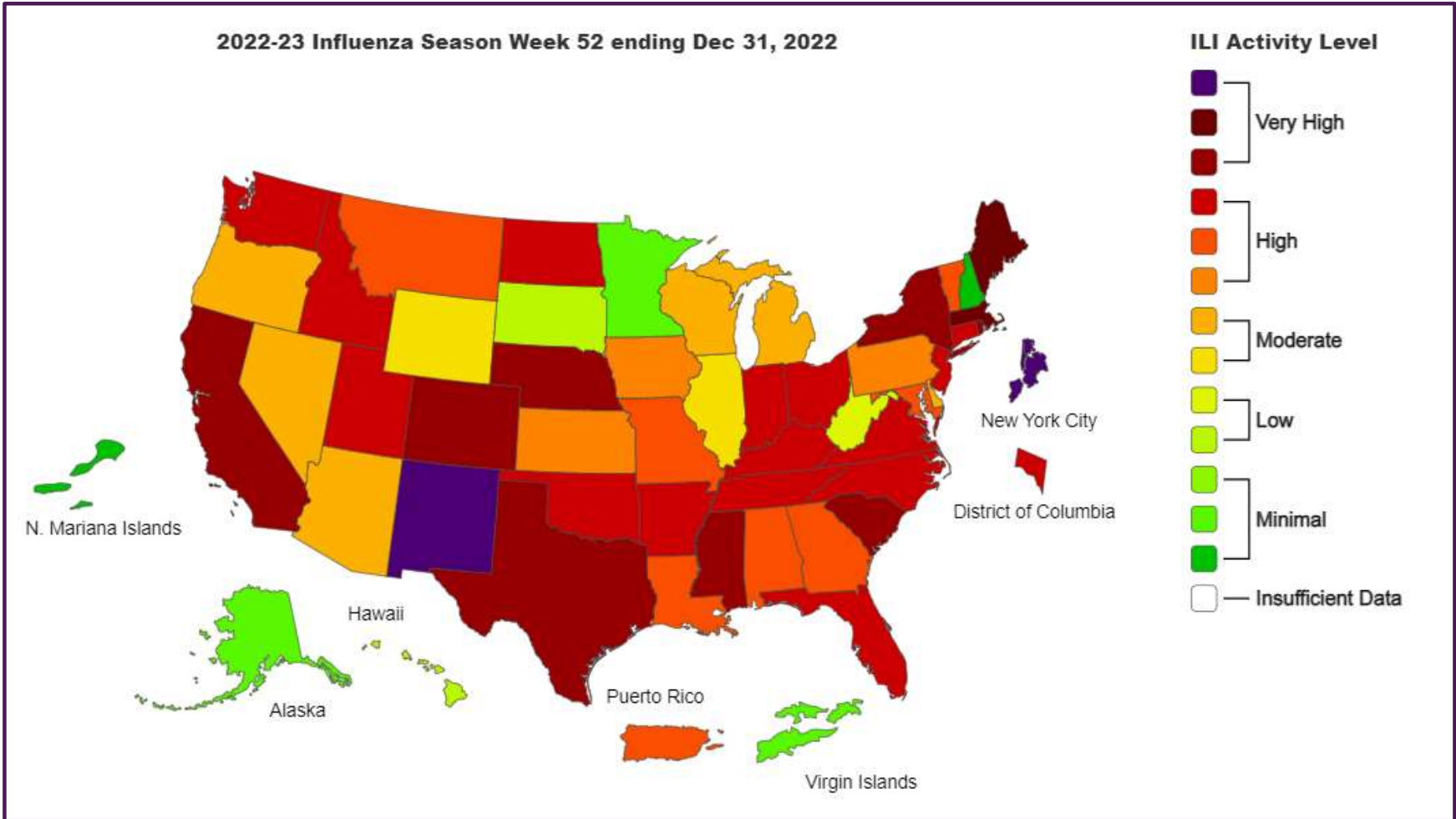
Data generated using: Respiratory Pathogen Panel (LAB9955), Influenza PCR, COVID/FLU/RSV Panel (LAB10789), COVID/Flu by PCR (LAB10889), and SARS-CoV-2/Influenza by PCR (LAB11071)

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 2, 2022 – December 31, 2022



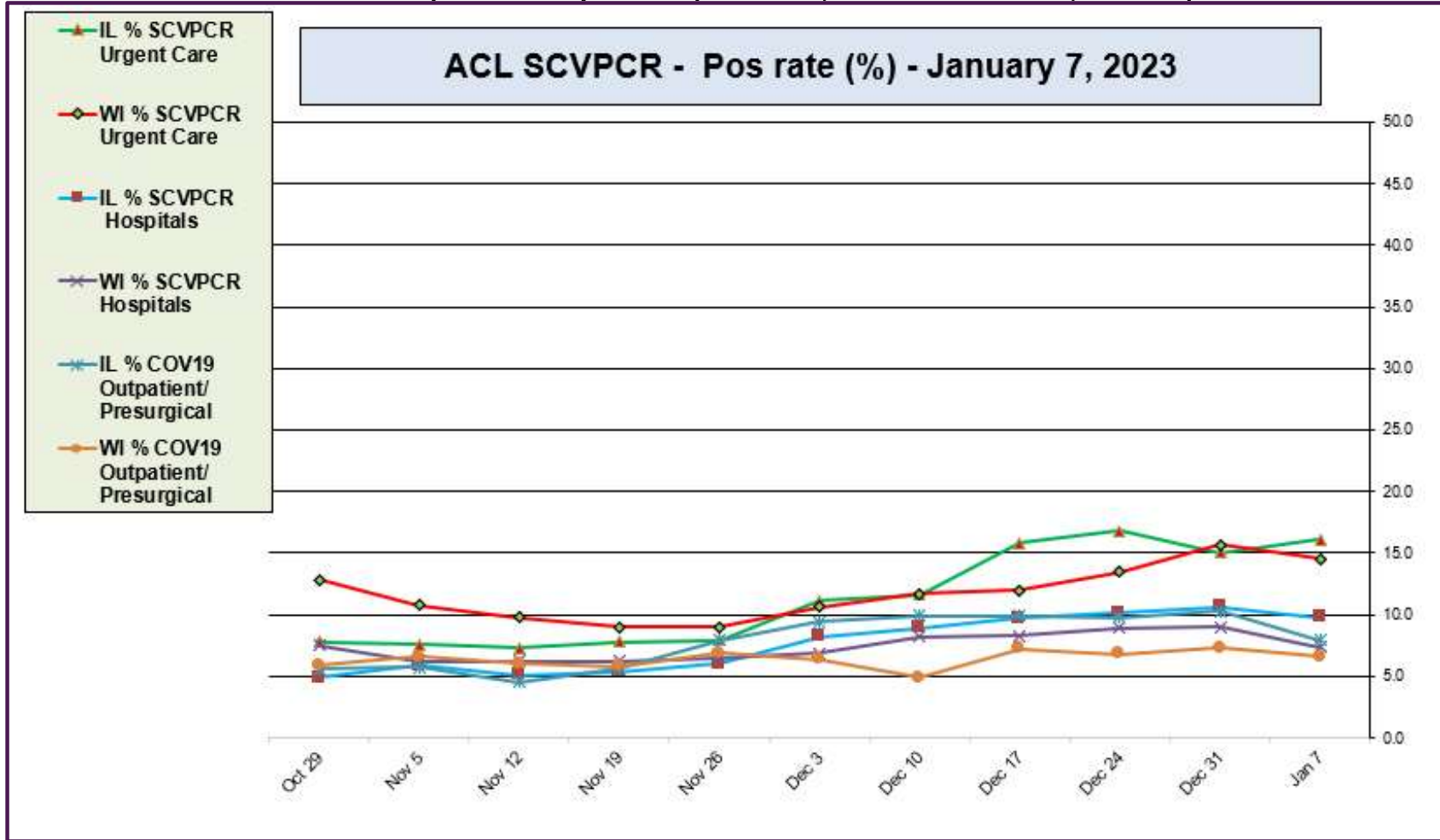
<https://www.cdc.gov/>

2022-23 Influenza Season Week 52 ending Dec 31, 2022



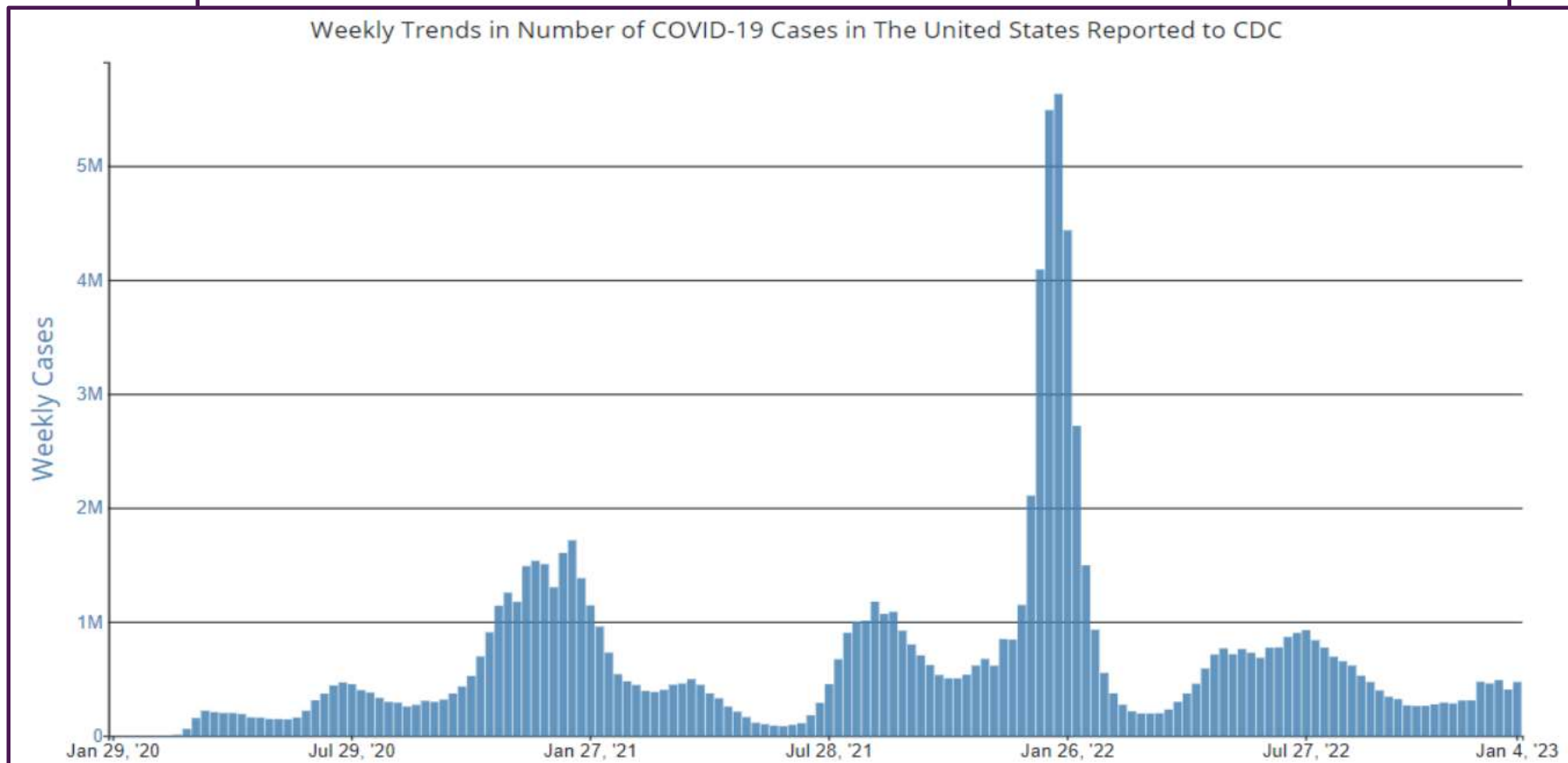
<https://www.cdc.gov/>

ACL SARS-CoV-2 positivity rate (Oct 29, 2022 – Jan 7, 2023)



Data generated using: RAPID SARS-COV-2 BY PCR (LAB10644), COVID/FLU/RSV Panel (LAB10789), prior to 9/17 COVID-19 ANTIGEN TEST (SOFIA) (LAB10715), post 9/17 LAB10644 performed at WI and IL urgent cares sites

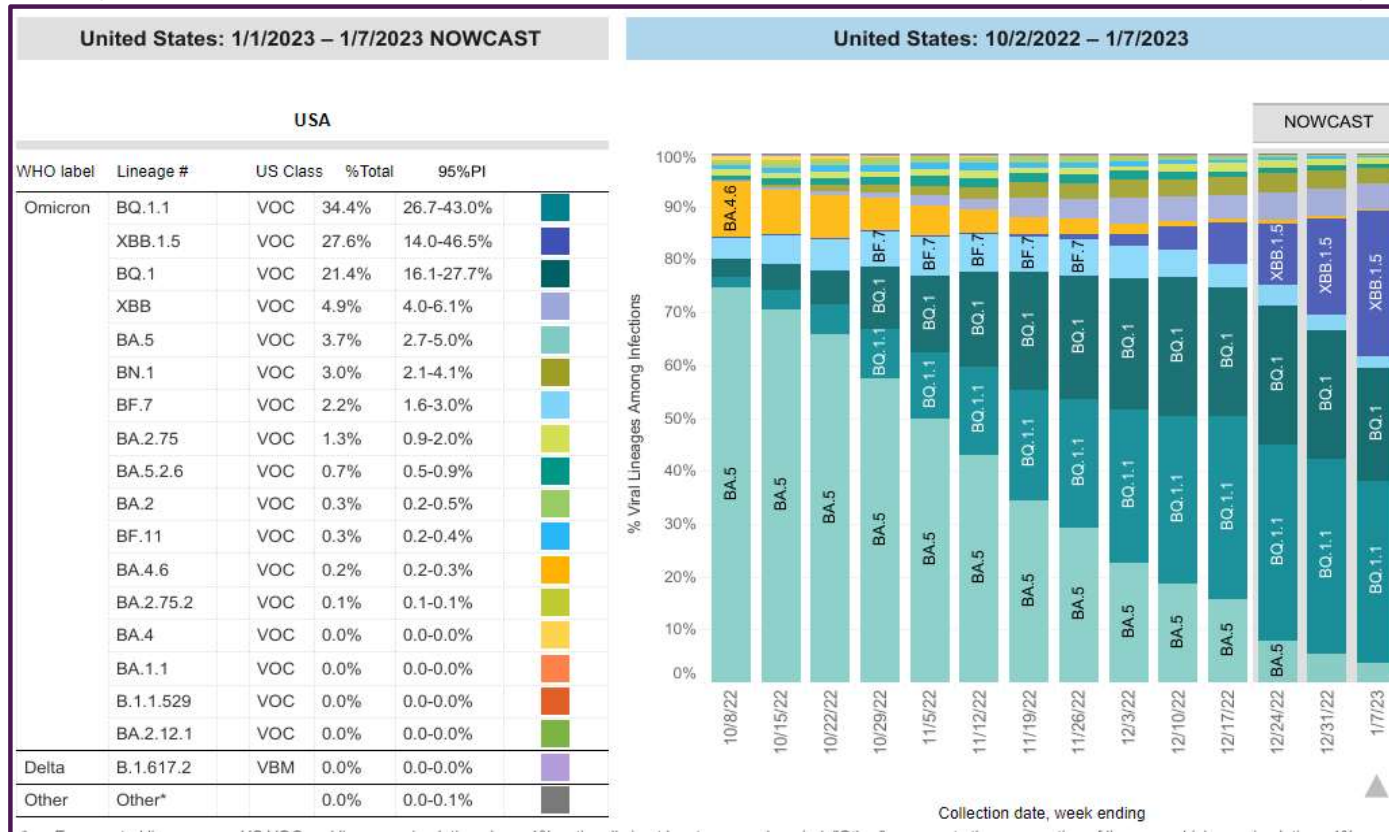
CDC- Daily COVID-19 cases in US – Jan 29 – Jan 4, 2023



CDC SARS-CoV-2 positivity rate

<https://www.cdc.gov/>

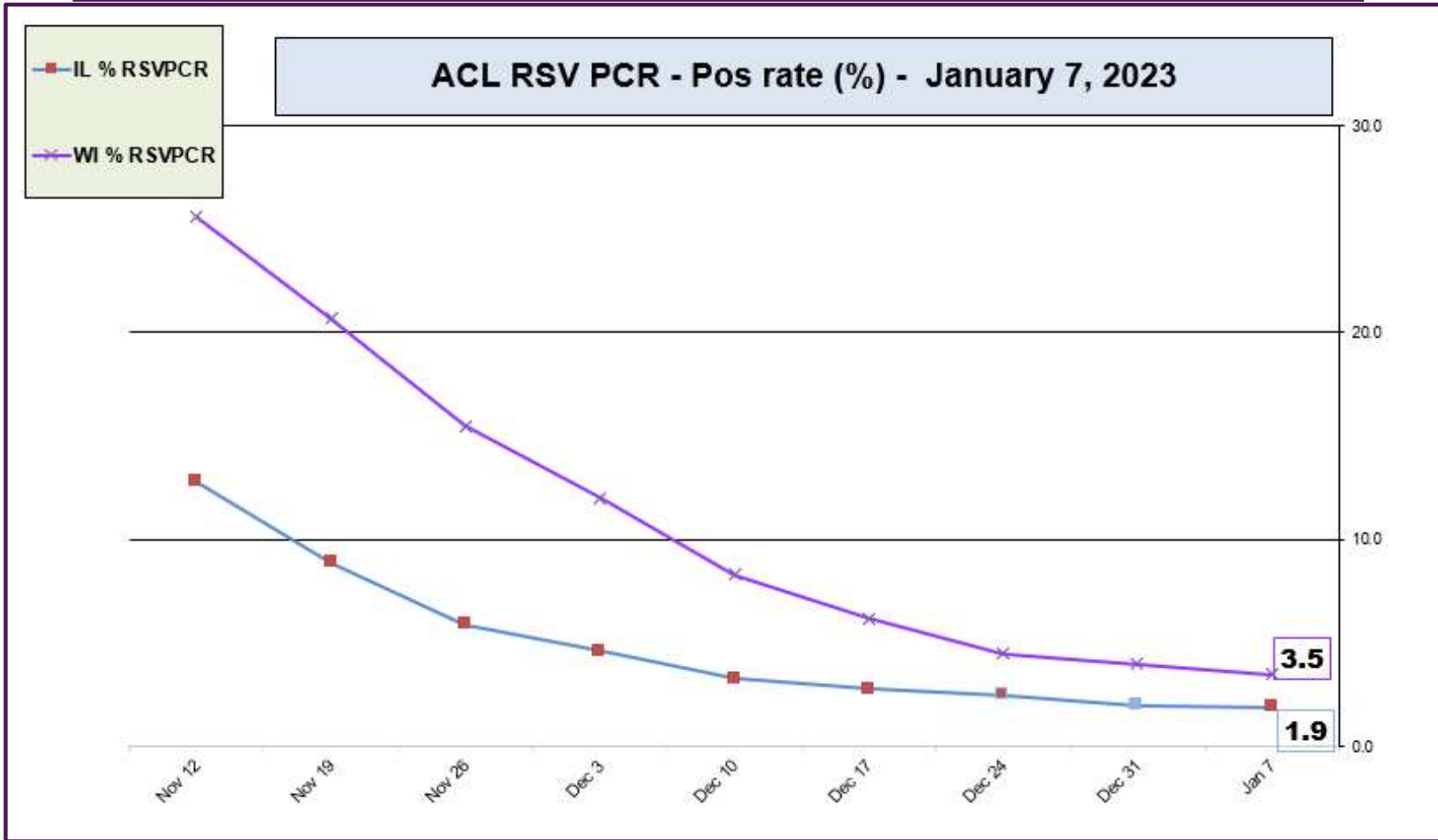
January 7, 2023 – SARS-CoV-2 circulating in the Midwest based on projection by Nowcast modeling (Omicron BQ.1.1 – 34.4% ↑, BQ.1 – 21.4% ↑, XBB.1.5 – 34.4% ↓)



** CDC uses **Nowcast** model that estimates more recent proportions of circulating variants (actual sequencing data is typically delayed for 2 weeks).

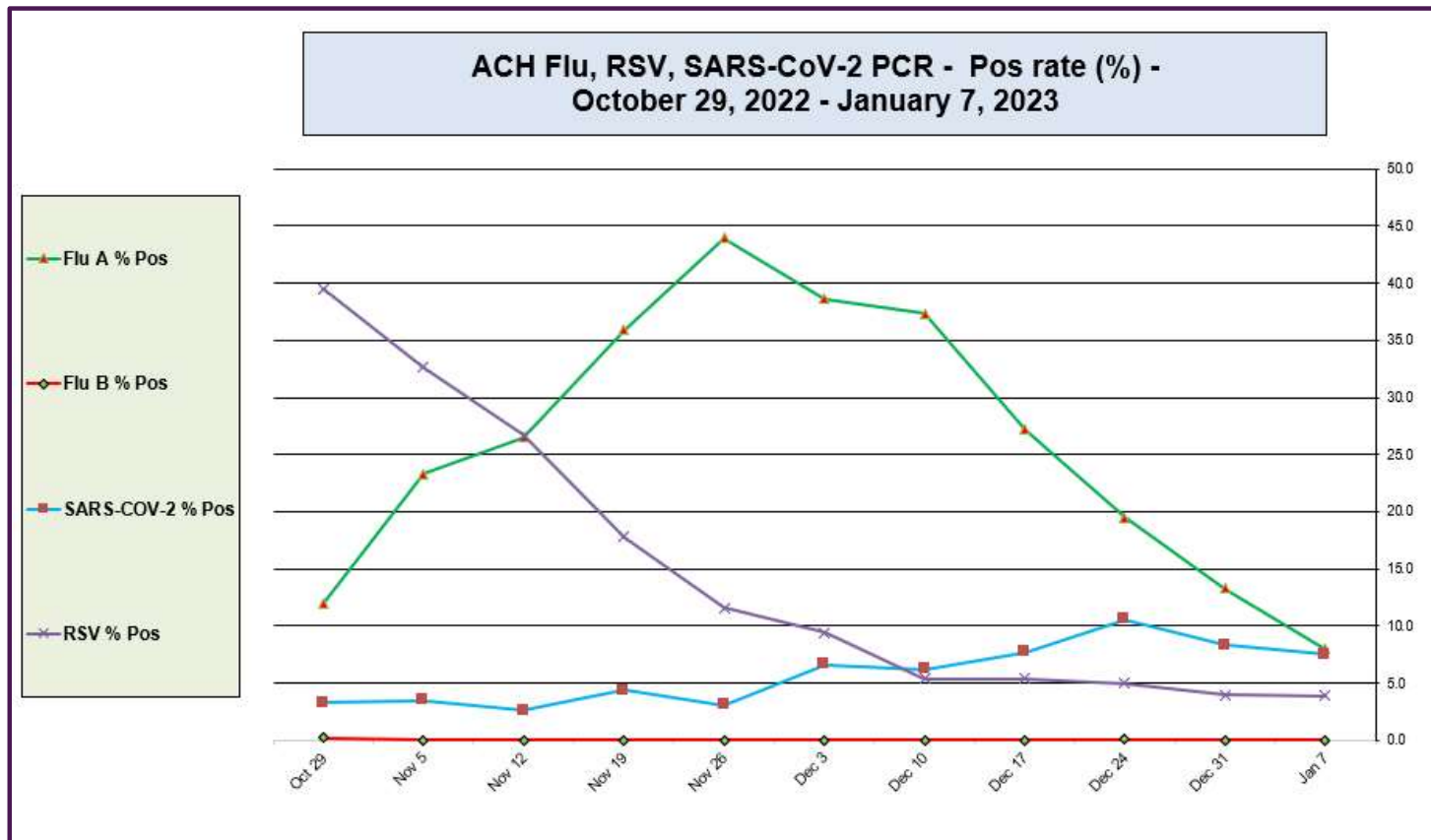
<https://www.cdc.gov/>

ACL RSV PCR positivity rate (Nov 12, 2022 – Jan 7, 2023)



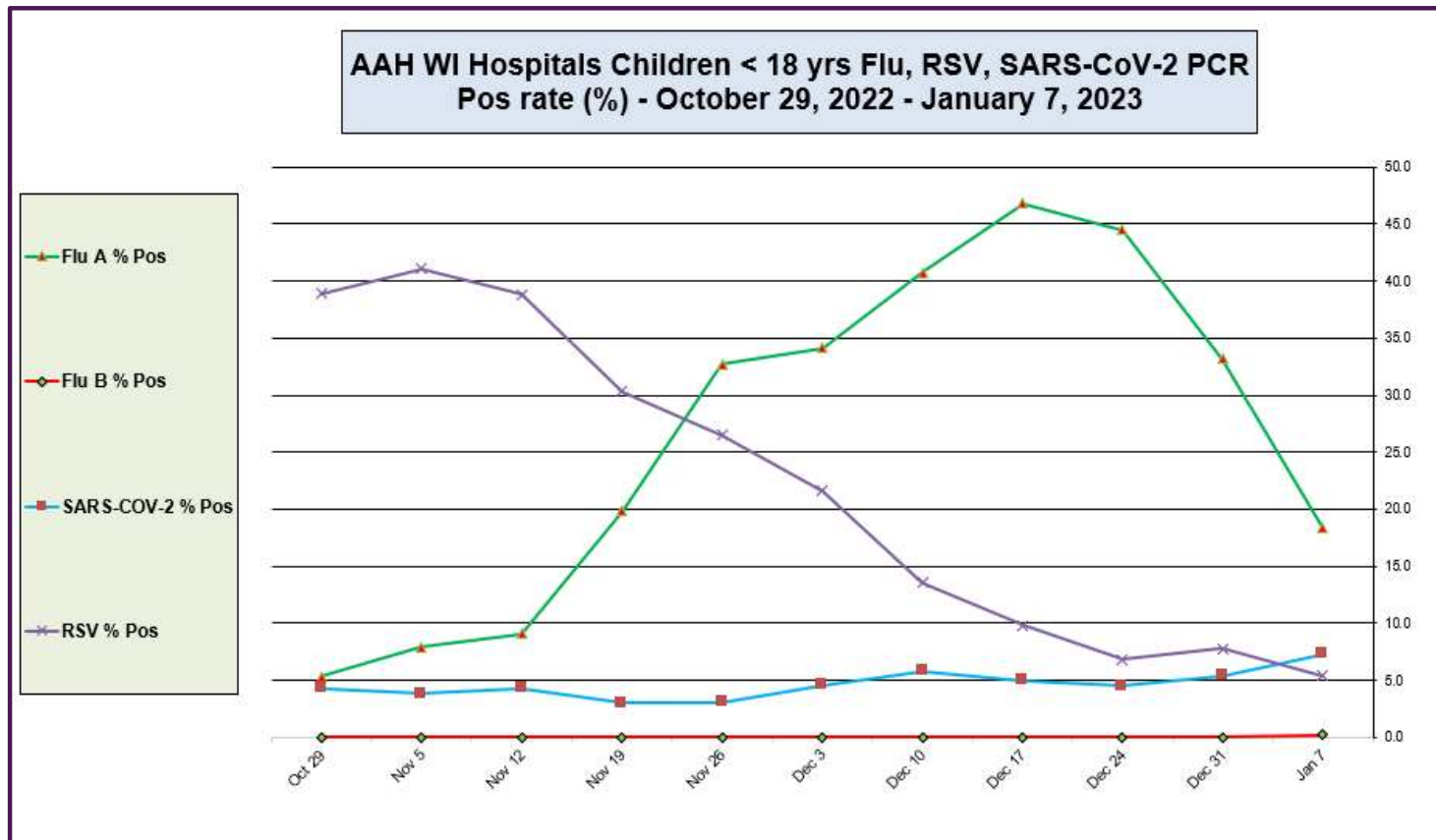
Data generated using: Respiratory Pathogen Panel (LAB9955) and COVID/FLU/RSV Panel (LAB10789)

Advocate Children's Hospital Influenza A, Influenza B, RSV, and SARS-CoV-2 PCR Positivity rates (Oct 29, 2022 – Jan 7, 2023)



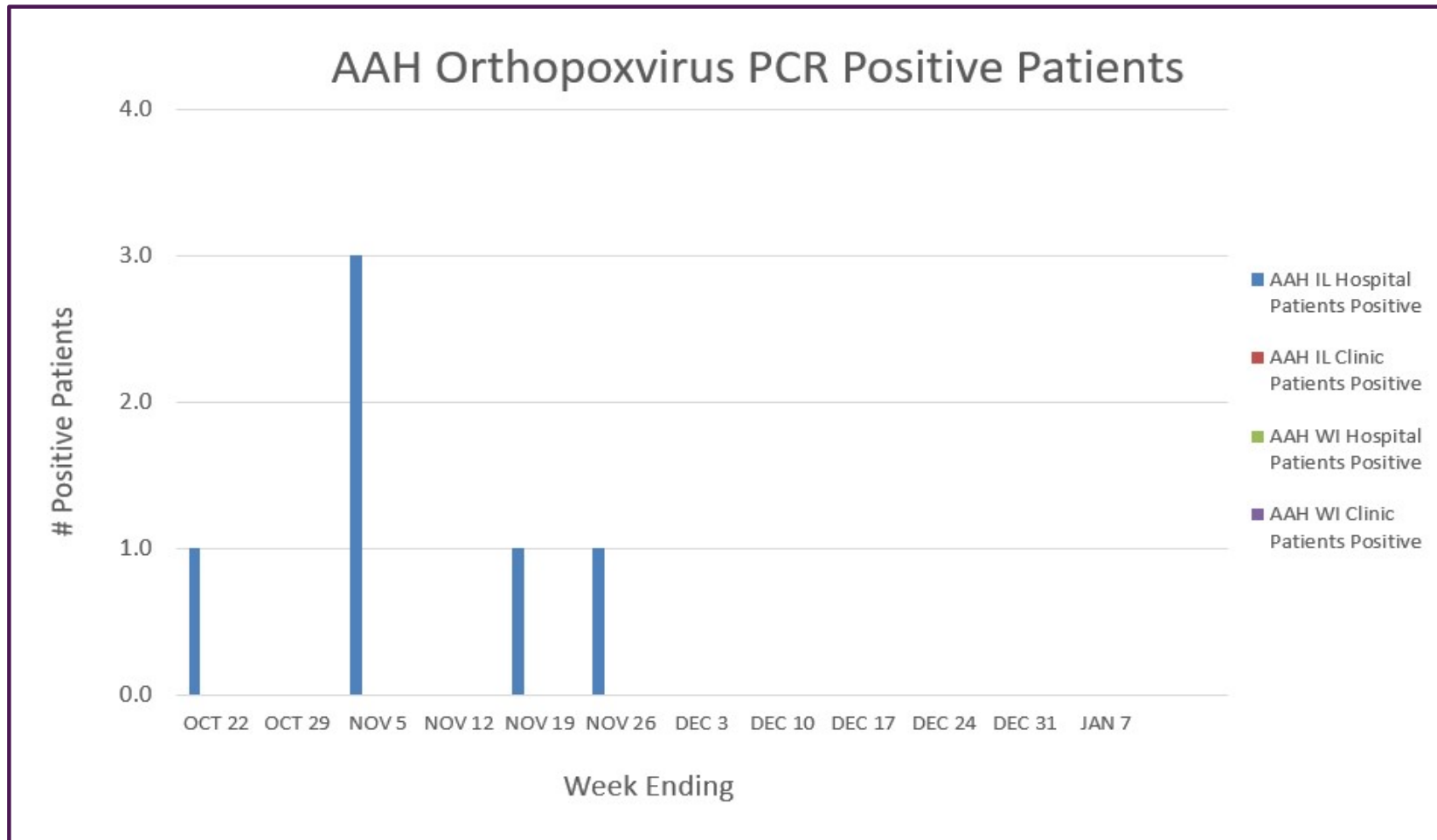
Data generated using: Respiratory Pathogen Panel (LAB9955), Rapid SARS-CoV-2 by PCR (LAB10644), COVID/FLU by PCR (LAB10889), COVID/FLU/RSV Panel (LAB10789), 2019 Novel Coronavirus (SARS-CoV-2) LAB10635

AAH WI Hospitals (patients < 18 yrs old) Influenza A, Influenza B, RSV, and SARS-CoV-2 PCR Positivity rates (Oct 29, 2022 – Jan 7, 2023)



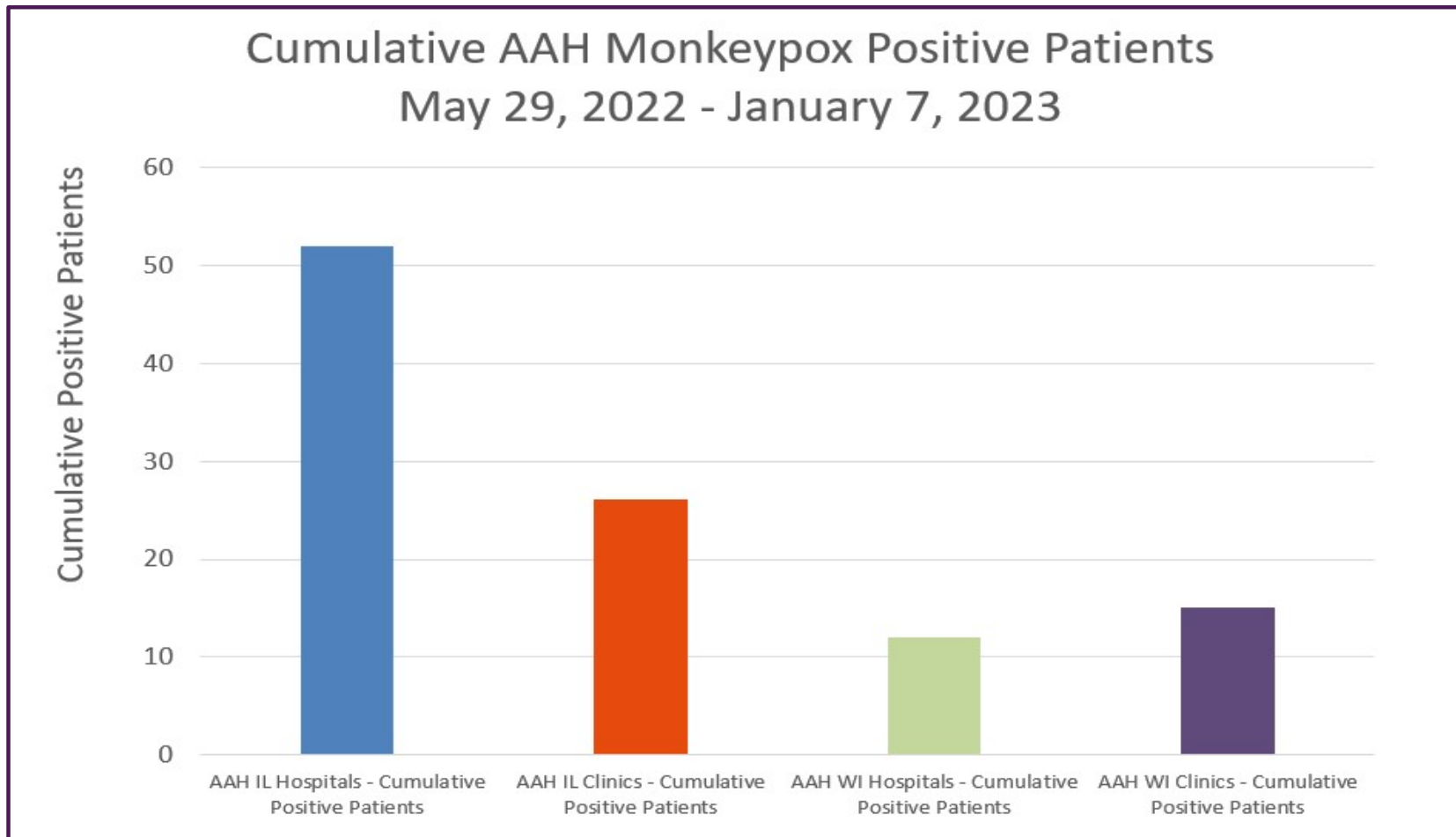
Data generated using: Respiratory Pathogen Panel (LAB9955), Rapid SARS-CoV-2 by PCR (LAB10644), COVID/FLU by PCR (LAB10889), COVID/FLU/RSV Panel (LAB10789), 2019 Novel Coronavirus (SARS-CoV-2) LAB10635

AAH Orthopoxvirus Positive Patients (October 22, 2022 – January 7, 2023)



Data generated using: Miscellaneous Test (LAB10119 to Sent to IL/WI State Labs) 5/29/22-7/24/22 and Orthopoxvirus by PCR (LAB11274 sent to ARUP 7/25/22 – Present)

AAH Orthopoxvirus Positive Patients (May 29, 2022 – January 7, 2023)



Data generated using: Miscellaneous Test (LAB10119 to Sent to IL/WI State Labs) 5/29/22-7/24/22 and Orthopoxvirus by PCR (LAB11274 sent to ARUP 7/25/22 – Present)