

ACL Laboratories Respiratory Virus Activity Report

Updated: December 27, 2023

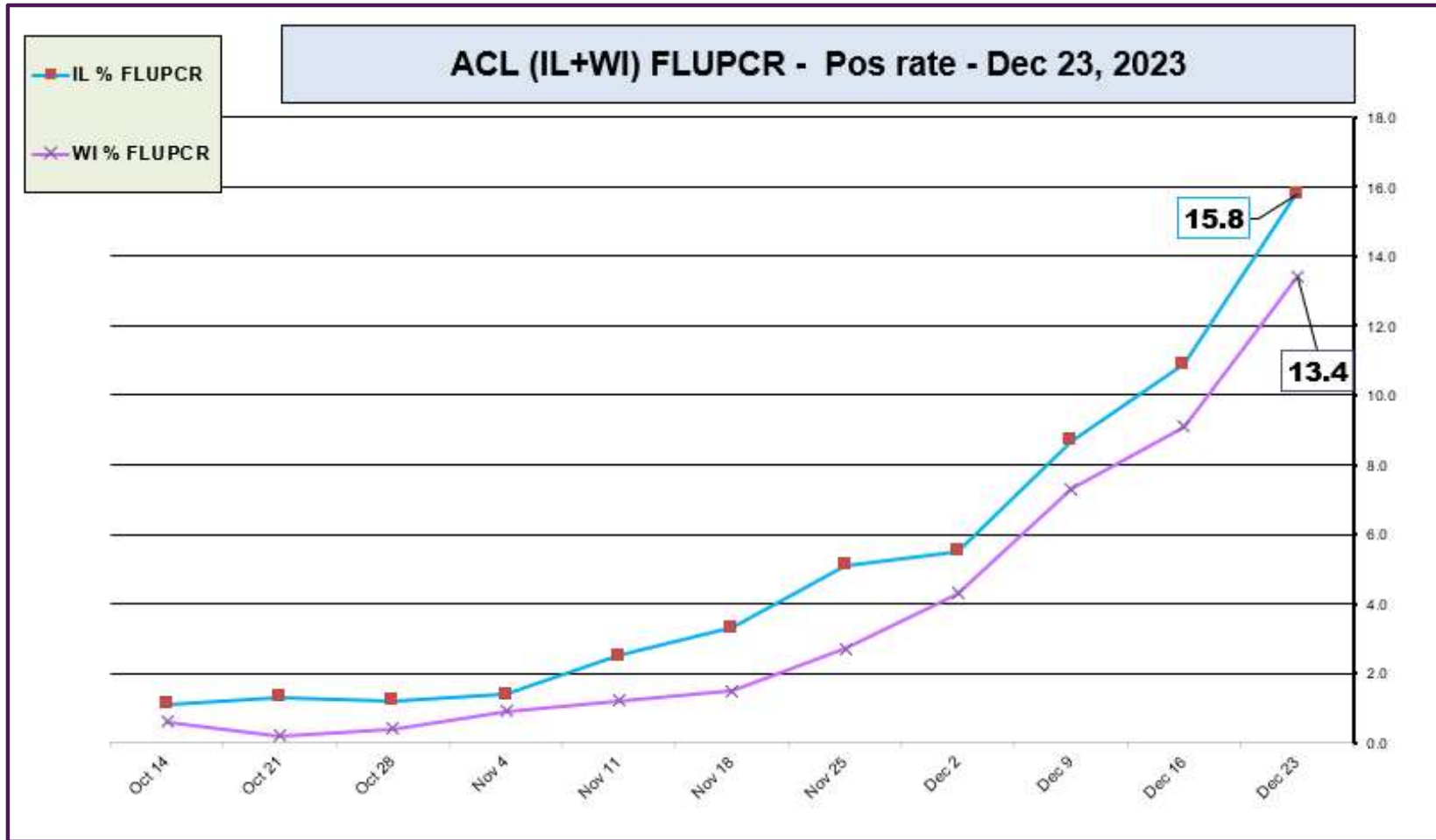


RESPIRATORY PATHOGEN POSITIVITY RATE - JANUARY 2023 - DECEMBER 23, 2023

| 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 | SARS-CoV-2 | Human META | E/R | Adeno | BOCA | Chlamydo phila | Mycoplasma | B. pertussis | B. paraper | Legionella # Pos |
|----------|-------------|--------------|-----------|------------|-------|---------|--------|--------|--------|--------|----------|----------|----------|----------|------------|------------|------|-------|------|----------------|------------|--------------|------------|------------------|
| DEC 2023 | 9.6 | 1.1 | 1.4 | 1.1 | 0.7 | 10.8 | 1.0 | 0.3 | 0.0 | 0.5 | 0.2 | 0.1 | 2.2 | 0.4 | 14.4 | 0.7 | 13.4 | 5.8 | N/A | 0.0 | 0.6 | 0.0 | 0.1 | 0 |
| NOV 2023 | 2.6 | 0.0 | 0.5 | 0.5 | 0.3 | 10.2 | 1.6 | 0.6 | 0.4 | 0.9 | 0.0 | 0.0 | 0.4 | 0.1 | 12.5 | 0.4 | 16.8 | 5.7 | 0.0 | 0.0 | 0.5 | 0.0 | 0.3 | 0 |
| OCT 2023 | 0.6 | 0.0 | 0.2 | 0.0 | 0.1 | 4.0 | 2.4 | 0.8 | 0.3 | 1.0 | 0.1 | 0.1 | 0.2 | 0.0 | 8.9 | 0.5 | 19.1 | 2.6 | 0.3 | 0.0 | 0.4 | N/A | N/A | 2 |
| SEP 2023 | 0.4 | 0.0 | 0.1 | 0.0 | 0.2 | 0.9 | 1.2 | 1.0 | 0.4 | 0.4 | 0.0 | 0.0 | 0.1 | 0.0 | 11.7 | 0.7 | 24.0 | 1.8 | 0.5 | 0.0 | 0.1 | N/A | N/A | 1 |
| AUG 2023 | 0.5 | 0.0 | 0.4 | 0.0 | 0.2 | 0.5 | 0.4 | 1.4 | 1.6 | 0.5 | 0.0 | 0.0 | 0.7 | 0.0 | 12.4 | 2.9 | 13.3 | 2.3 | 0.4 | 0.0 | 0.0 | N/A | N/A | 0 |
| JUL 2023 | 0.6 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | 1.2 | 1.7 | 1.5 | 0.9 | 0.0 | 0.3 | 0.0 | 0.0 | 6.5 | 3.1 | 11.1 | 2.4 | 0.2 | 0.0 | 0.0 | N/A | N/A | 4 |
| JUN 2023 | 0.5 | 0.0 | 0.1 | 0.0 | 0.5 | 0.3 | 0.8 | 1.6 | 5.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 4.6 | 0.5 | 11.3 | 3.5 | 0.3 | 0.0 | 0.0 | N/A | N/A | 3 |
| MAY 2023 | 0.6 | 0.1 | 0.2 | 0.0 | 0.6 | 0.3 | 0.5 | 1.1 | 6.8 | 0.1 | 0.1 | 0.9 | 0.1 | 0.1 | 5.8 | 3.2 | 17.1 | 3.2 | 0.5 | 0.0 | 0.0 | N/A | N/A | 0 |
| APR 2023 | 0.6 | 0.0 | 0.2 | 0.1 | 0.5 | 0.4 | 0.4 | 0.5 | 5.4 | 0.1 | 0.3 | 0.9 | 0.2 | 0.5 | 7.1 | 11.1 | 12.1 | 3.1 | 1.0 | 0.0 | 0.0 | N/A | N/A | 1 |
| MAR 2023 | 0.4 | 0.0 | 0.1 | 0.0 | 0.3 | 0.5 | 0.4 | 0.1 | 2.7 | 0.0 | 0.3 | 1.9 | 0.8 | 0.8 | 8.8 | 13.3 | 13.1 | 3.2 | 1.4 | 0.0 | 0.0 | N/A | N/A | 0 |
| FEB 2023 | 0.9 | 0.0 | 0.2 | 0.1 | 0.2 | 0.8 | 0.0 | 0.4 | 1.2 | 0.2 | 0.0 | 3.7 | 1.5 | 1.6 | 8.6 | 9.3 | 13.2 | 3.7 | 1.6 | 0.0 | 0.0 | N/A | N/A | 0 |
| JAN 2023 | 4.1 | 0.0 | 0.5 | 0.5 | 0.1 | 1.9 | 0.7 | 0.1 | 0.8 | 0.3 | 0.2 | 1.2 | 2.0 | 1.4 | 8.0 | 5.9 | 12.1 | 3.3 | 2.9 | 0.0 | 0.0 | N/A | N/A | 0 |

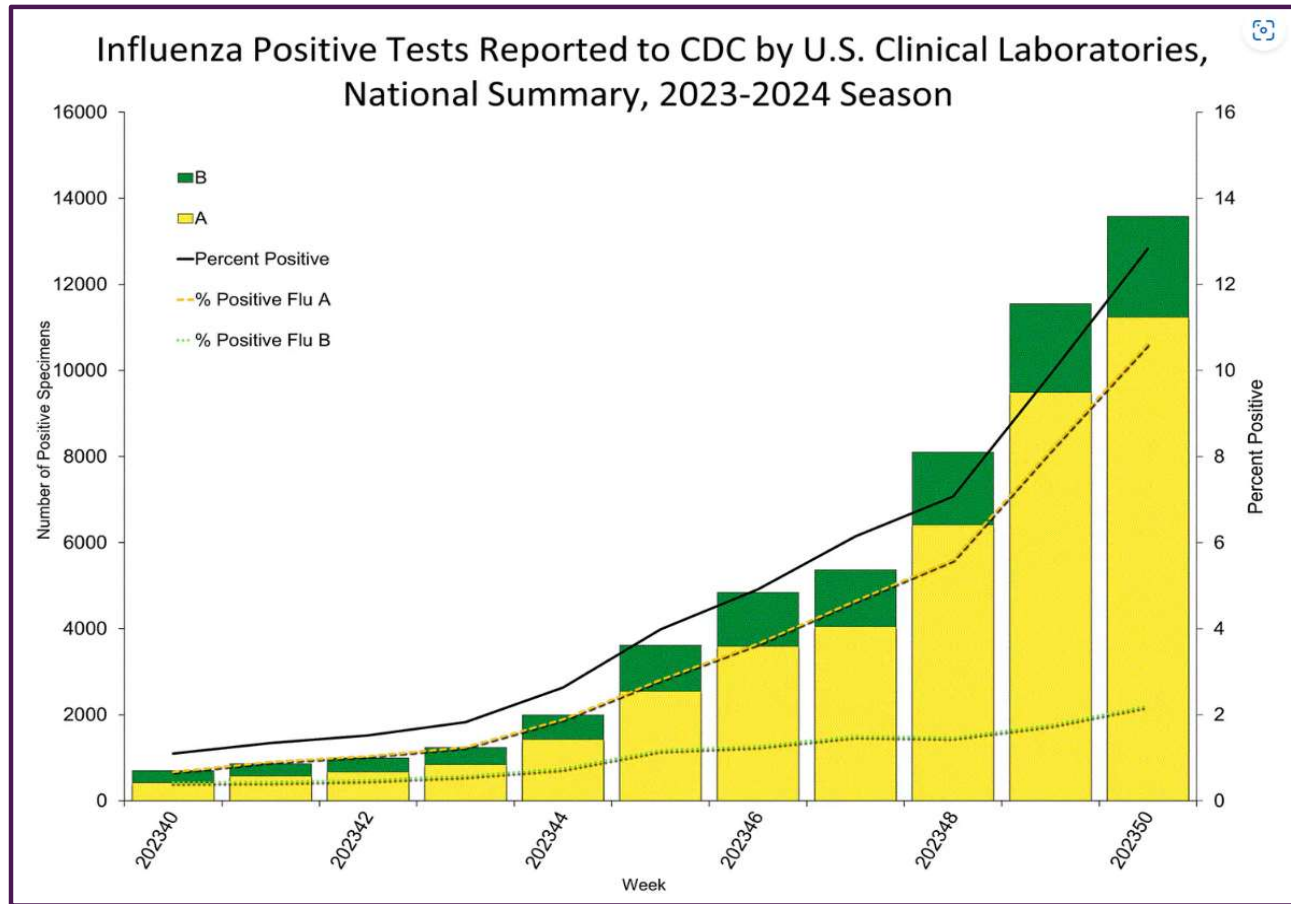
Data generated using: Respiratory Pathogen Panel (prior to 10/16/23), Rapid Respiratory Pathogen Panel (beginning 10/16/23), RAPID SARS-COV-2 BY PCR (LAB10644), COVID/FLU/RSV Panel (LAB10789) , Rapid COVID/FLU PCR Panel (LAB10889),

ACL INFLUENZA positivity rate (Oct 14, 2023 – Dec 23, 2023)



Data generated using: Rapid Respiratory Pathogen Panel (LAB9039), Influenza PCR, COVID/FLU/RSV Panel (LAB10789), COVID/Flu by PCR (LAB10889), and SARS-CoV-2/Influenza by PCR (LAB11071)

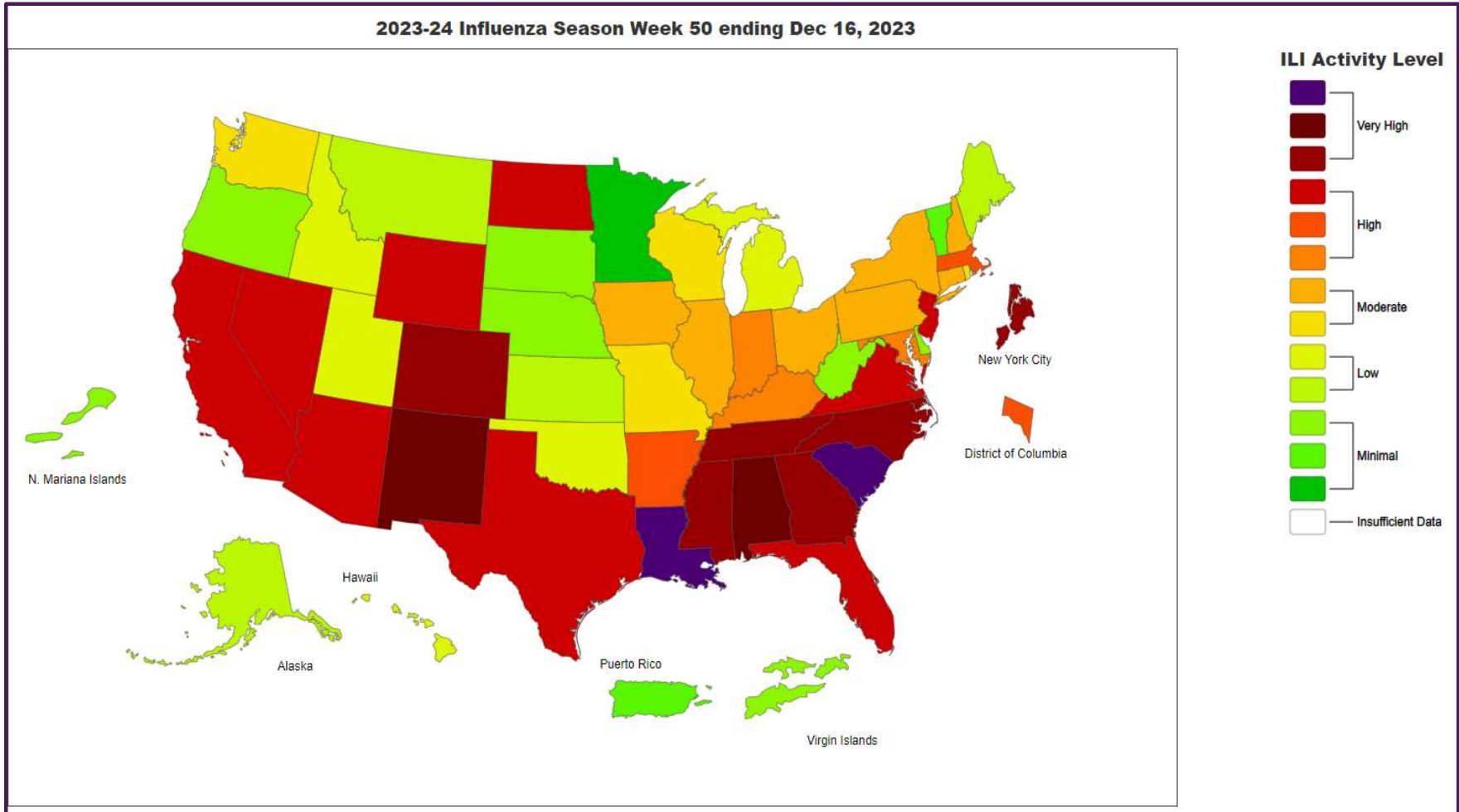
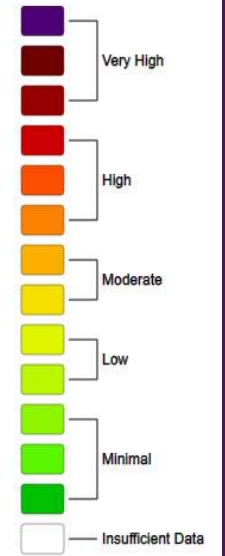
US National Influenza Positivity Rates – Week 50 ending Dec 16, 2023



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

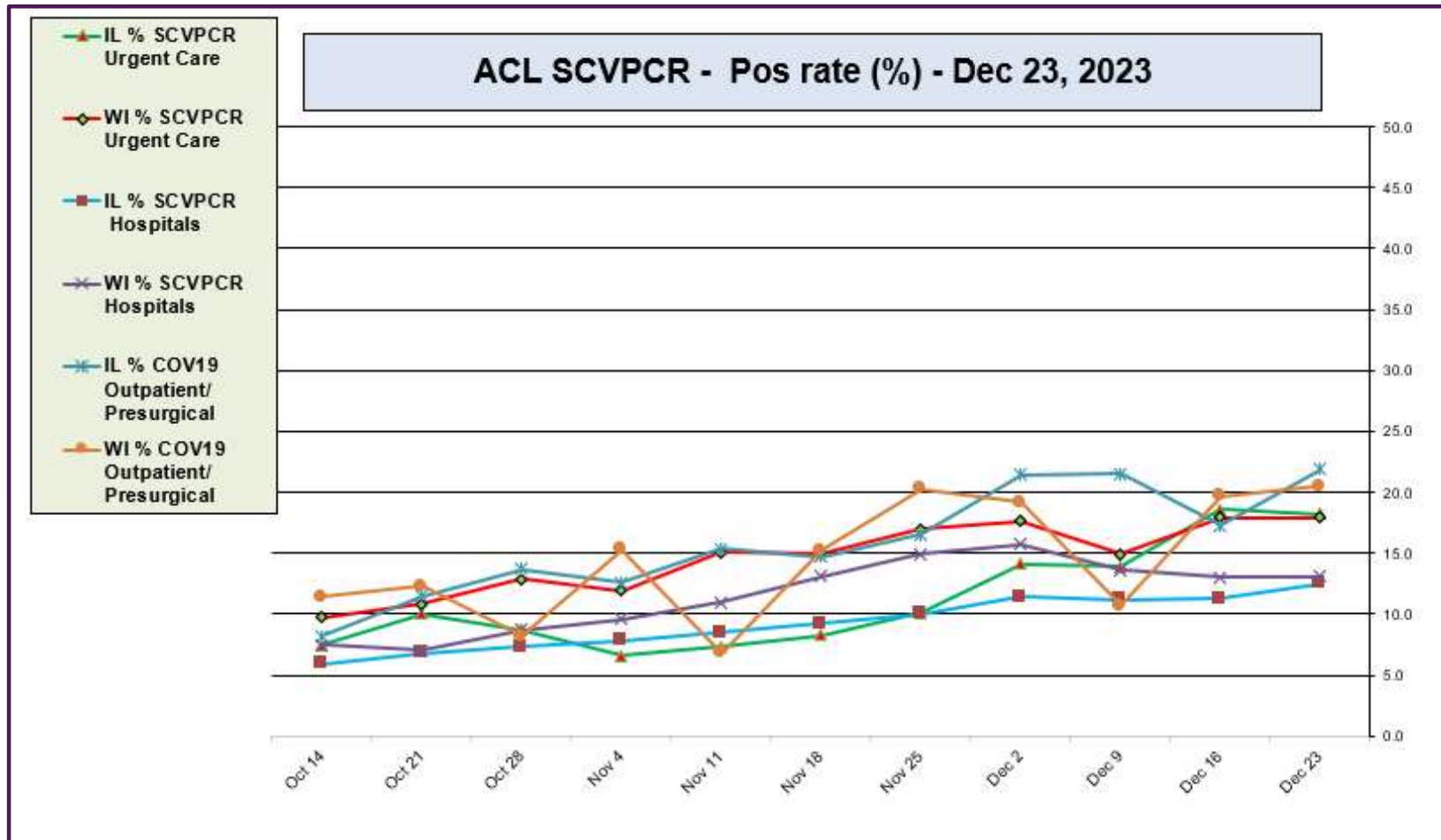
2023-24 Influenza Season Week 50 ending Dec 16, 2023

ILI Activity Level



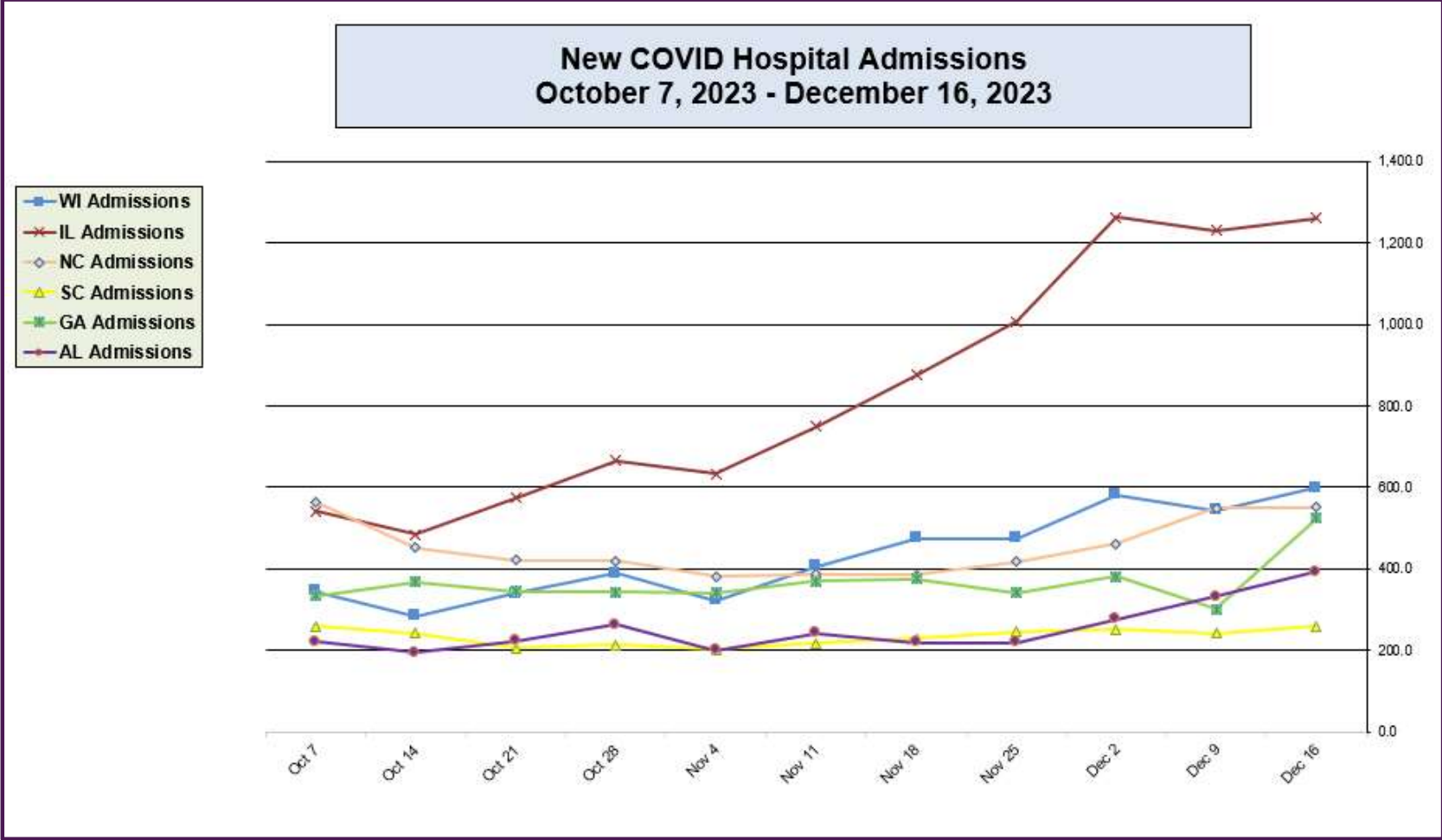
<https://www.cdc.gov/>

ACL SARS-CoV-2 positivity rate (Oct 14, 2023 – Dec 23, 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, and Rapid Respiratory Pathogen Panel (LAB9039)

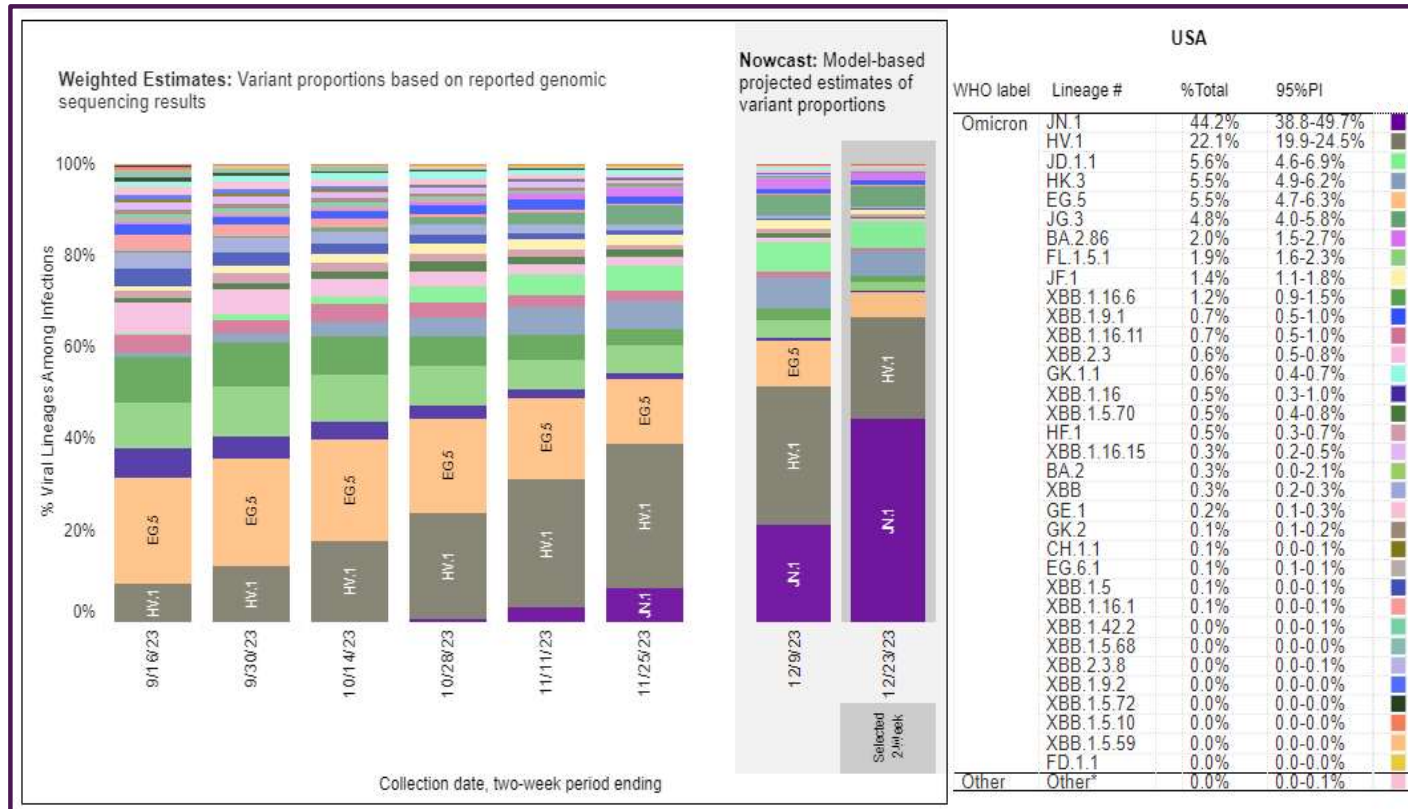
New COVID Hospital Admissions from CDC Data (Oct 7, 2023 – Dec 16, 2023)



Data generated from: https://covid.cdc.gov/covid-data-tracker/#maps_new-admissions-rate-state

December 23, 2023 – TOP 5 SARS-CoV-2 Strains circulating in the Midwest by Nowcast modeling

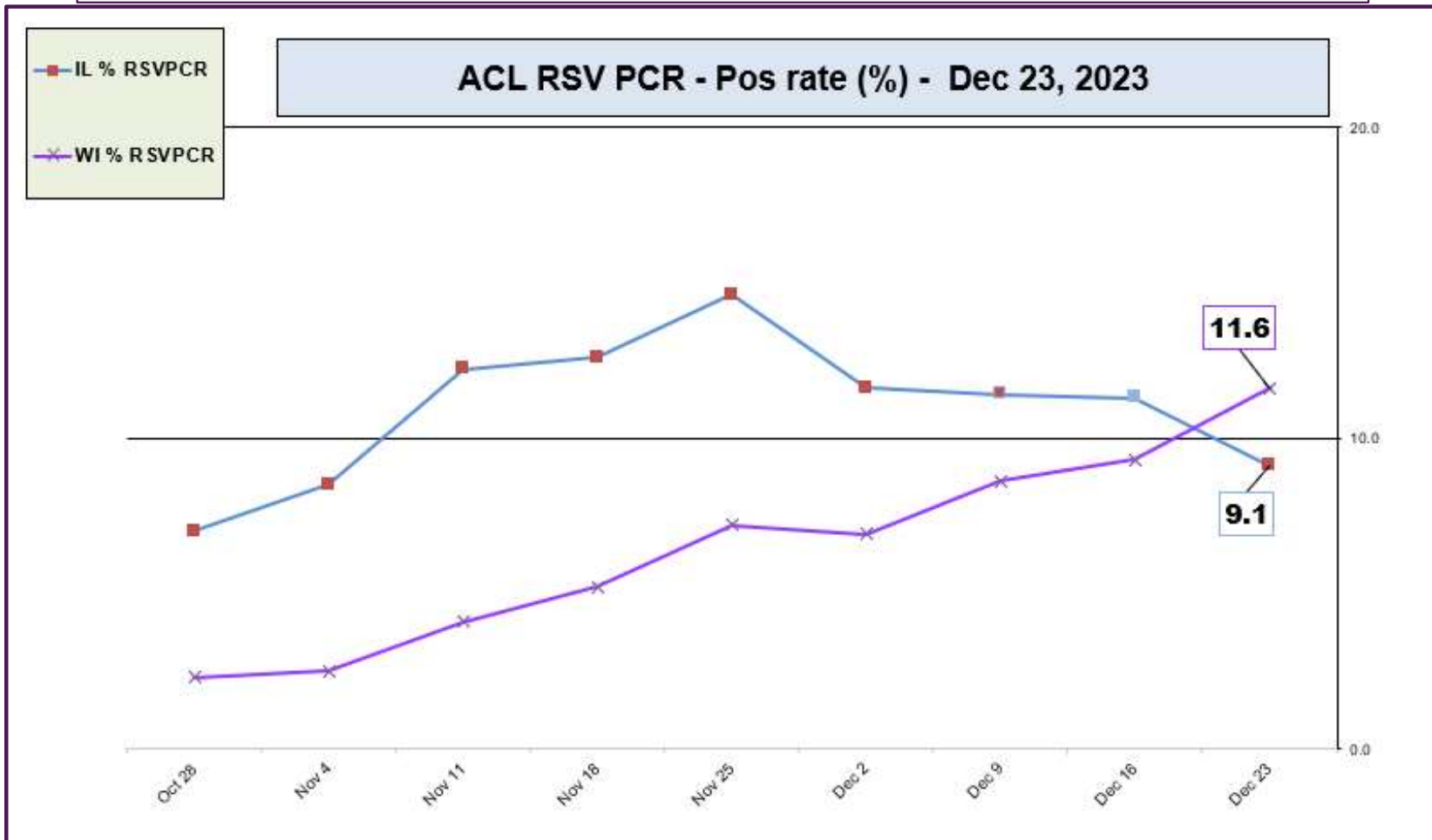
(Omicron JN.1 44.2% ↑, HV.1 – 22.1% ↓, JD.1.1 5.6% ↓, HK.3 5.5% ↓, EG.5 – 5.5% ↓)



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

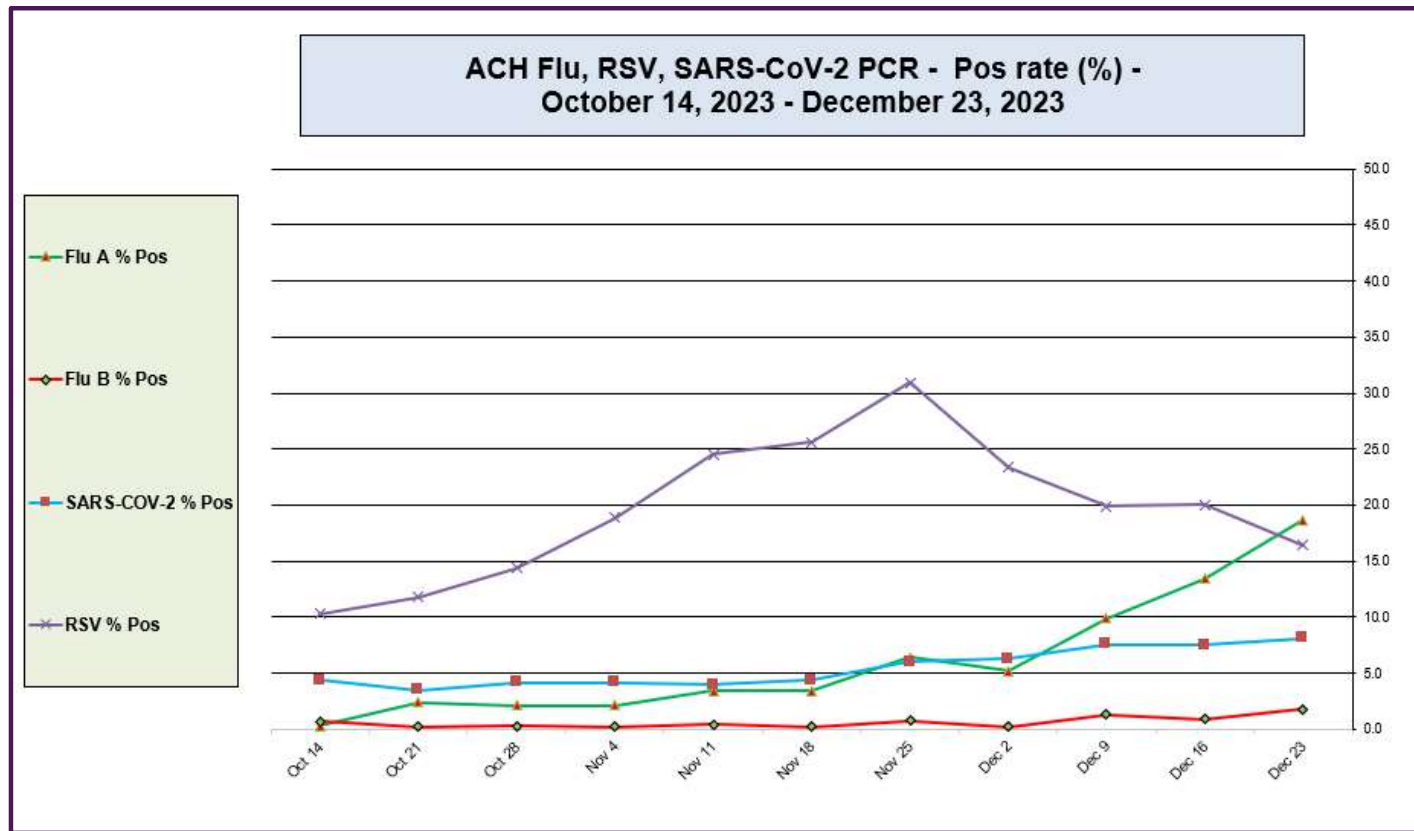
<https://www.cdc.gov/>

ACL RSV PCR positivity rate (Oct 28, 2023 – Dec 23, 2023)



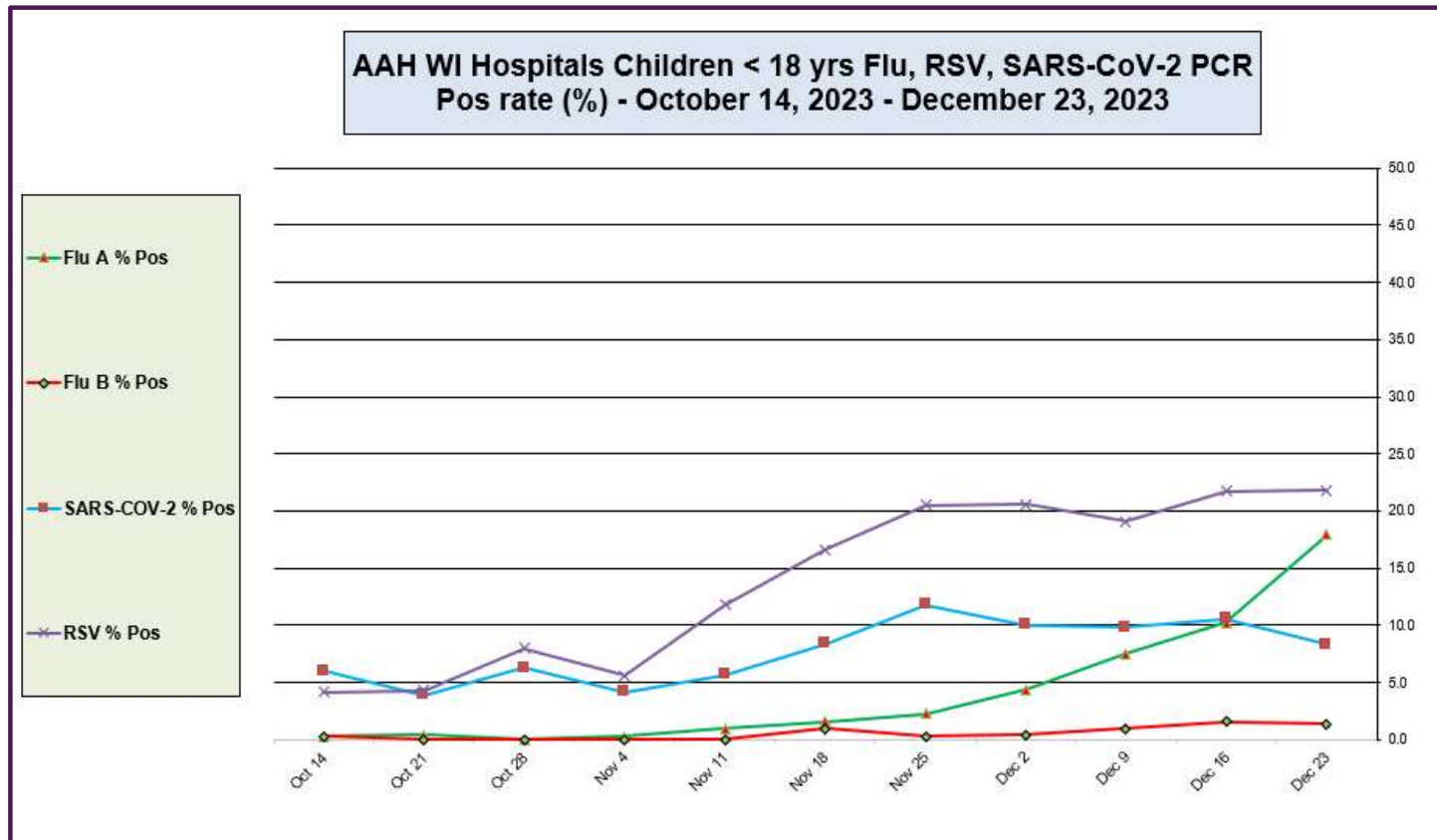
Data generated using: Rapid Respiratory Pathogen Panel (LAB9039) and COVID/FLU/RSV Panel (LAB10789)

Advocate Children's Hospital Influenza A, Influenza B, RSV, and SARS-CoV-2 PCR Positivity rates (Oct 14, 2023 – Dec 23, 2023)



Data generated using: Respiratory Pathogen Panel (LAB9955), Rapid Respiratory Pathogen Panel (LAB9039), 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 14, 2023 – Dec 23, 2023)



Data generated using: Respiratory Pathogen Panel (LAB9955), Rapid Respiratory Pathogen Panel (LAB9039), Rapid SARS-CoV-2 by PCR (LAB10644), COVID/FLU by PCR (LAB10889), COVID/FLU/RSV Panel (LAB10789), 2019 Novel Coronavirus (SARS-CoV-2) LAB10635