

# ACL Laboratories Respiratory Virus Activity Report

Updated: December 6, 2023

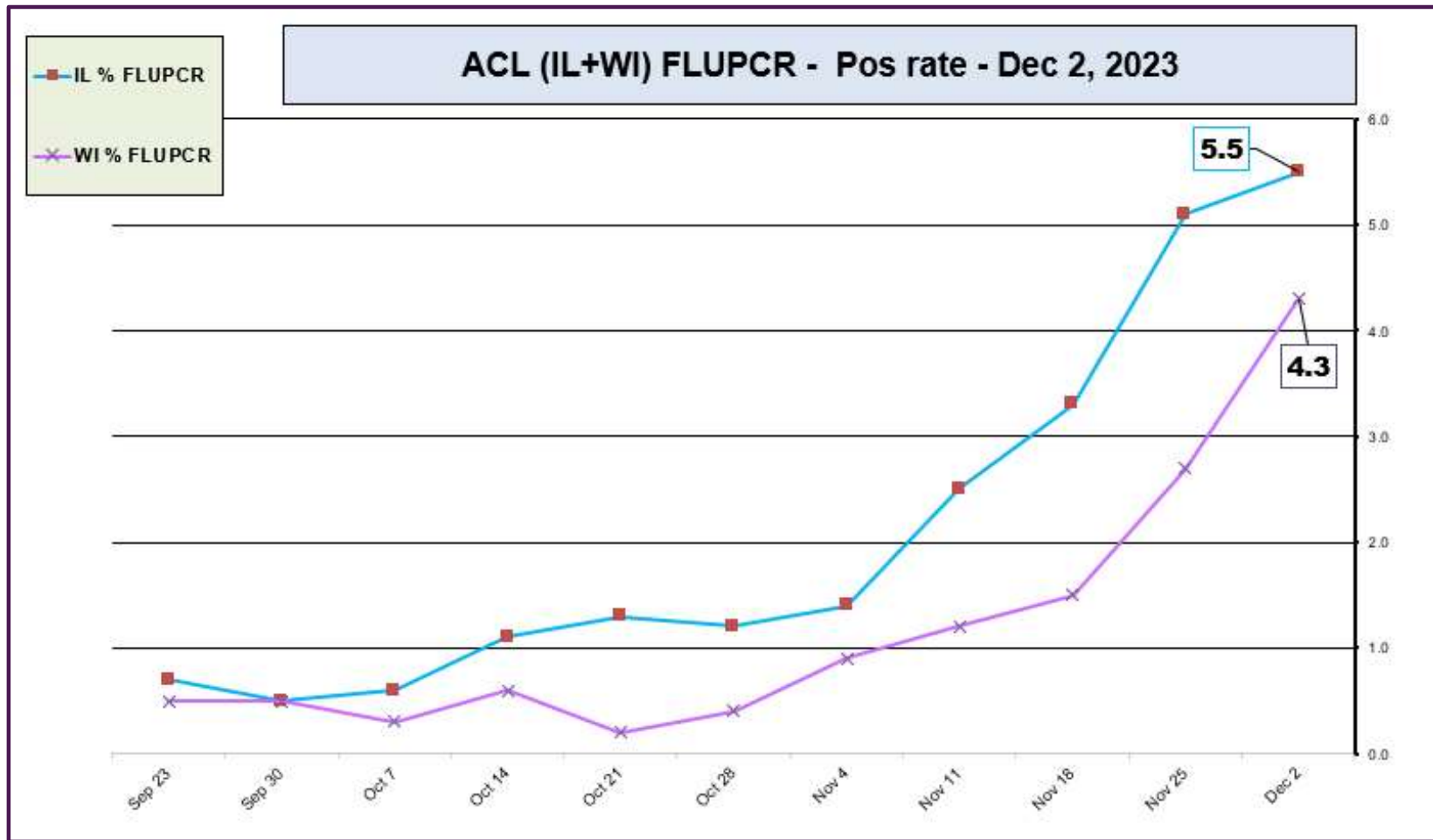


## RESPIRATORY PATHOGEN POSITIVITY RATE - JANUARY 2023 - DECEMBER 2, 2023

| 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 | 5.2         | 0.0          | 1.3       | 1.3        | 0.5   | 9.3     | 0.0    | 0.7    | 0.0    | 0.0    | 0.7      | 0.0      | 0.7      | 0.0      | 14.3       | 0.7        | 17.4 | 8.7   | N/A  | 0.0            | 0.0        | 0.0          | 0.0        | 0                |
| NOV 2023 | 2.6         | 0.0          | 0.5       | 0.5        | 0.3   | 8.7     | 1.6    | 0.6    | 0.4    | 0.9    | 0.0      | 0.0      | 0.4      | 0.1      | 11.8       | 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   | 3.3     | 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   | 0.7     | 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   | 0.4     | 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   | 0.2     | 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   | 0.3     | 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   | 0.4     | 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   | 0.6     | 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   | 1.6     | 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                |

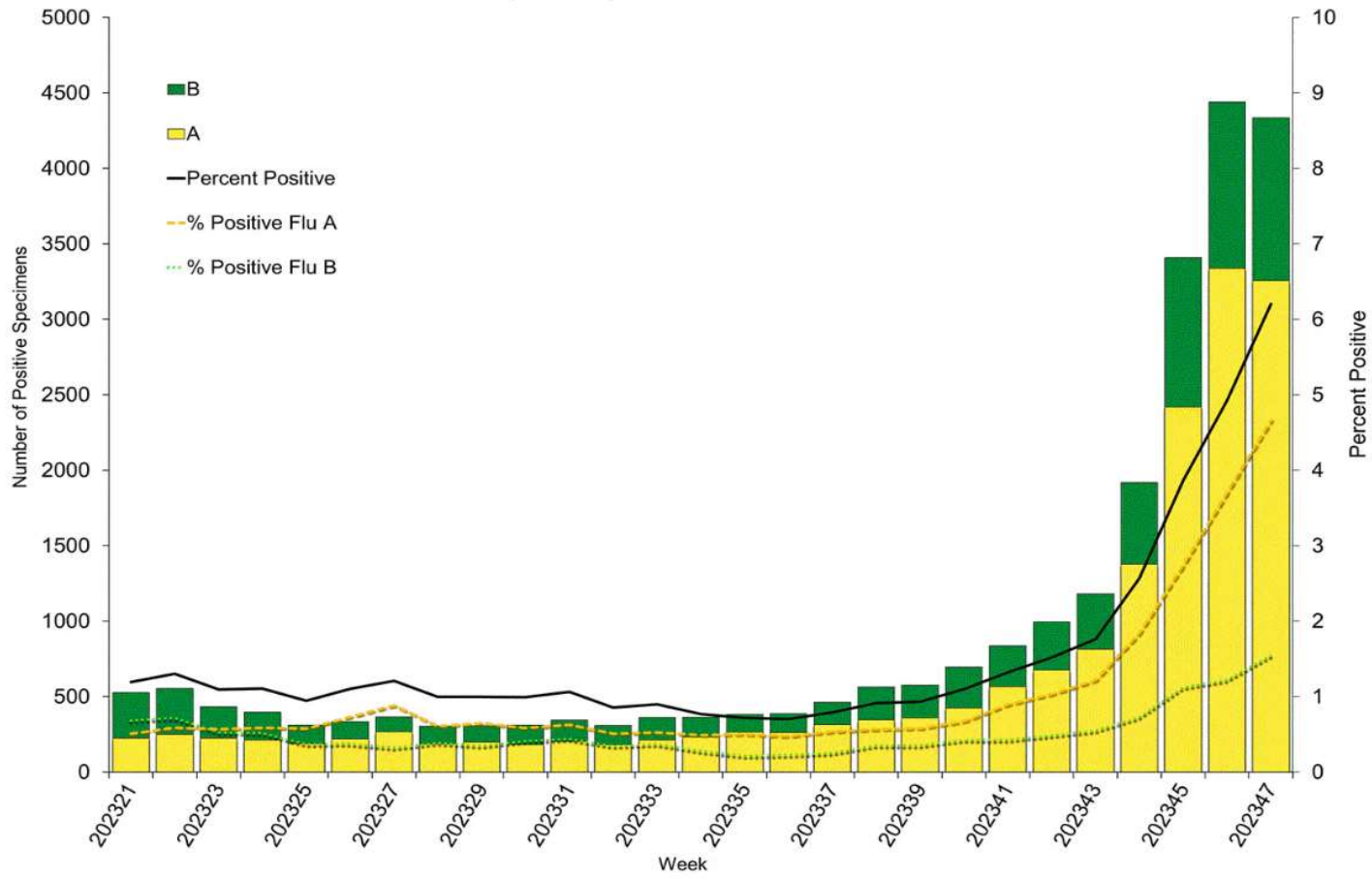
Data generated using: Respiratory Pathogen Panel (prior to 10/16/23), Rapid Respiratory Pathogen Panel (beginning 10/16/23), RAPID SARS-COV-2 BY PCR (LAB10644), COVID/FLU/RSV Panel (LAB10789) , Rapid COVID/FLU PCR Panel (LAB10889),

## ACL INFLUENZA positivity rate (Sep 23, 2023 – Dec 2, 2023)



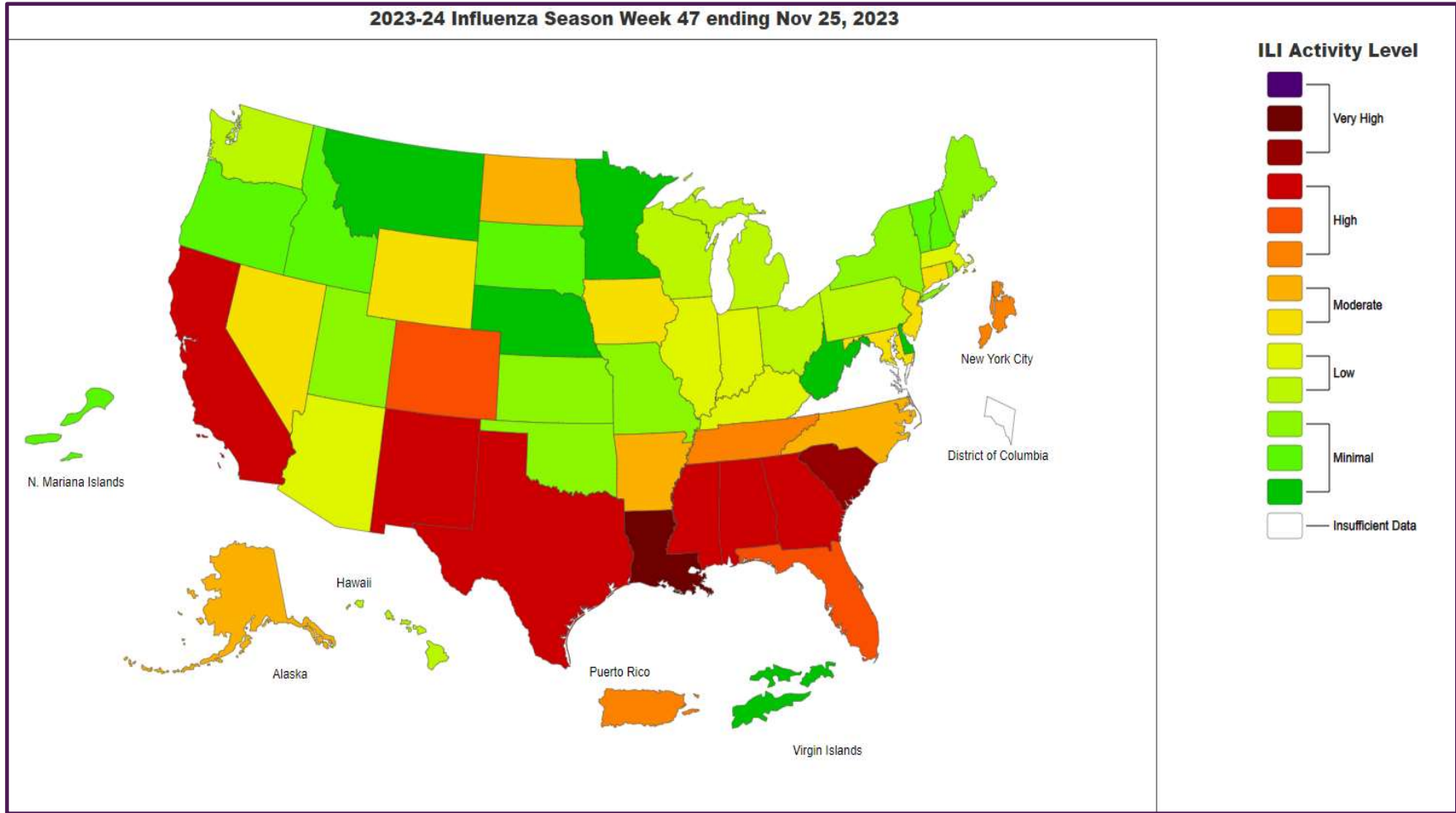
Data generated using: Rapid Respiratory Pathogen Panel (LAB9039), Influenza PCR, COVID/FLU/RSV Panel (LAB10789), COVID/Flu by PCR (LAB10889), and SARS-CoV-2/Influenza by PCR (LAB11071)

## Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, May 21, 2023 – November 25, 2023

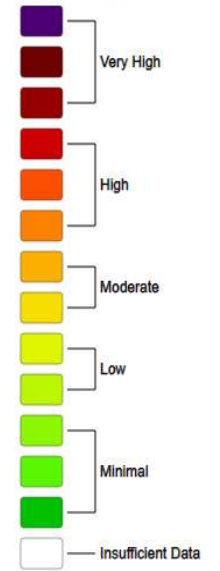


<https://www.cdc.gov/>

2023-24 Influenza Season Week 47 ending Nov 25, 2023

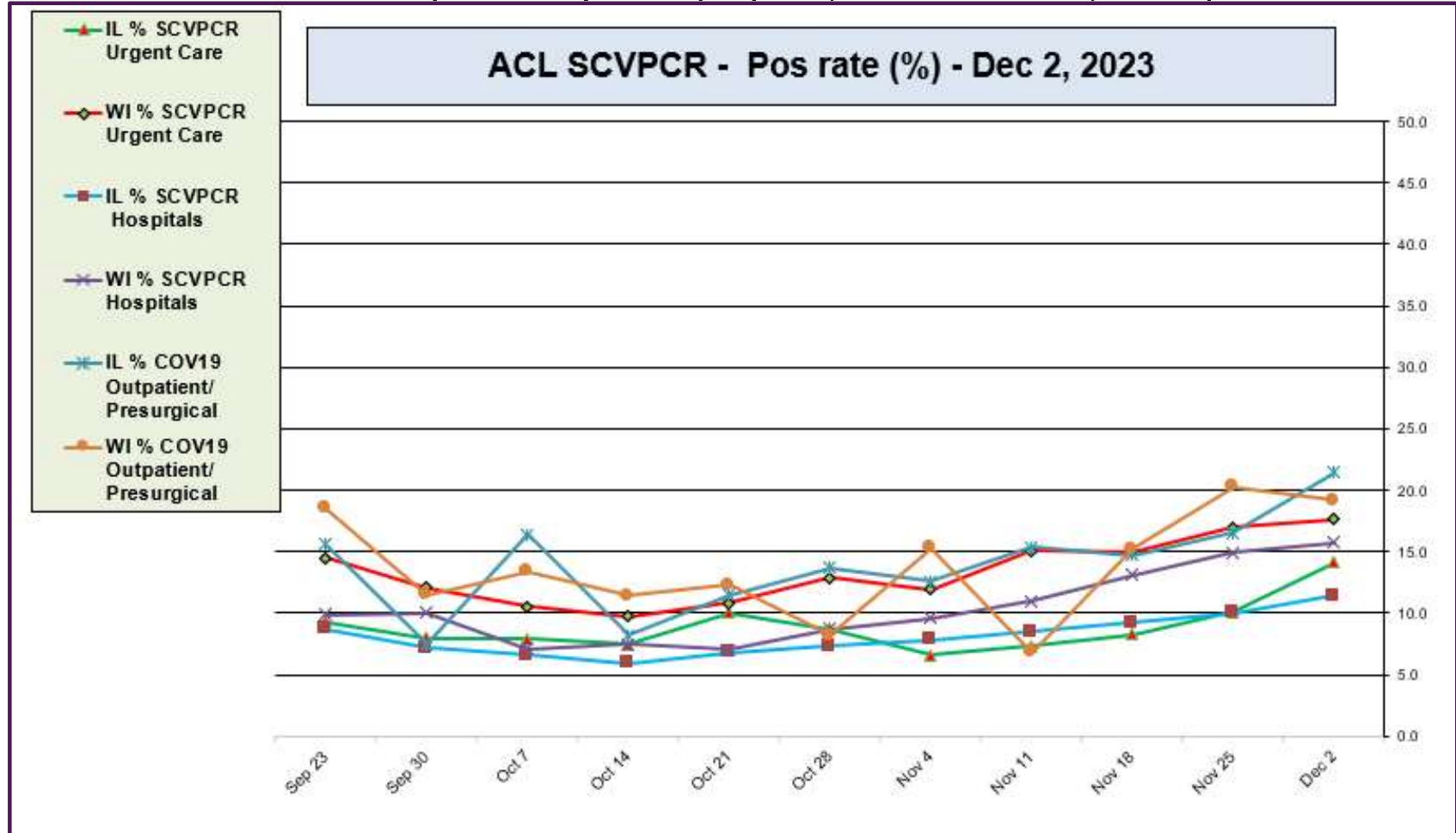


ILI Activity Level



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

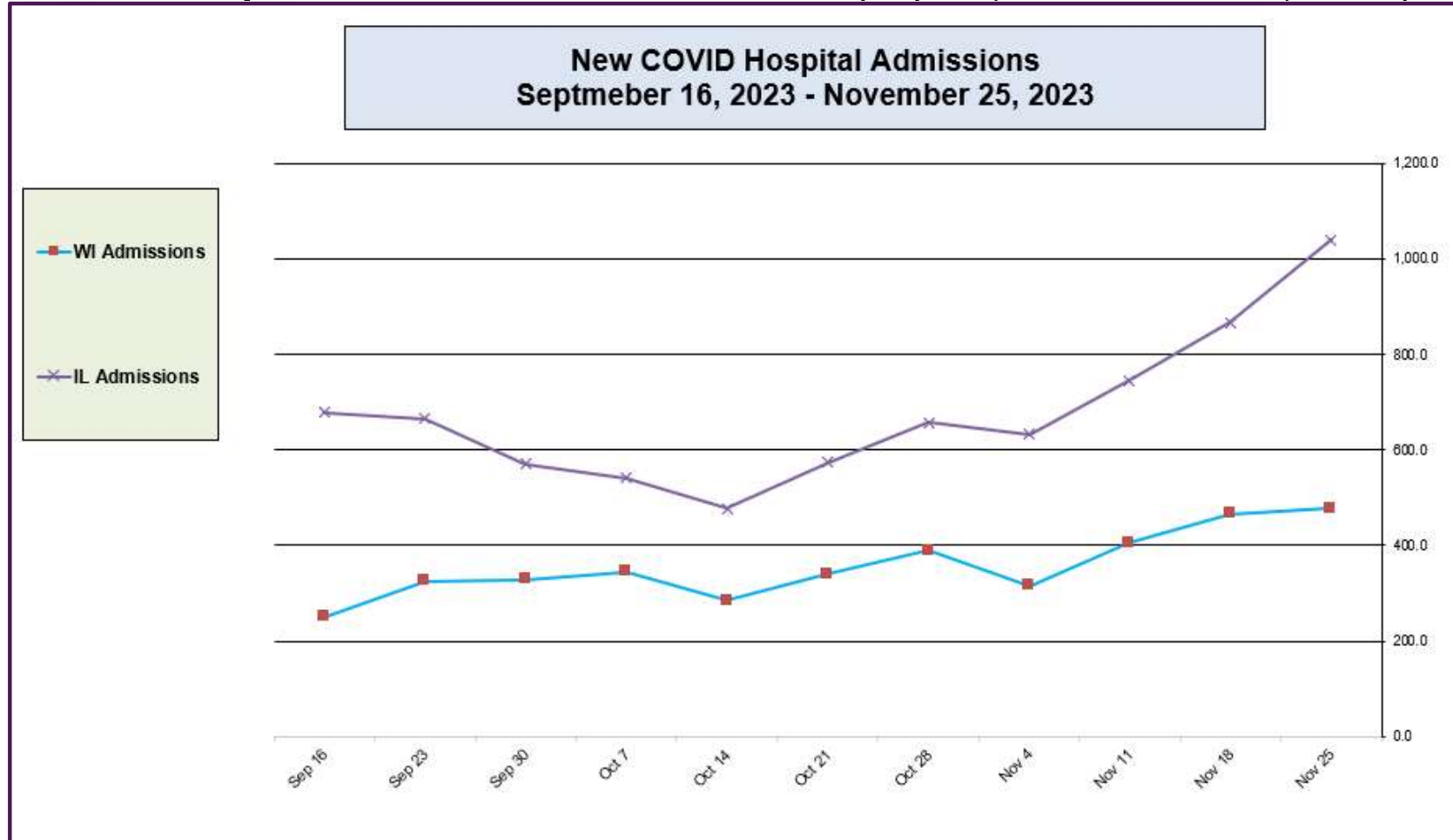
## ACL SARS-CoV-2 positivity rate (Sep 23, 2023 – Dec 2, 2023)



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)

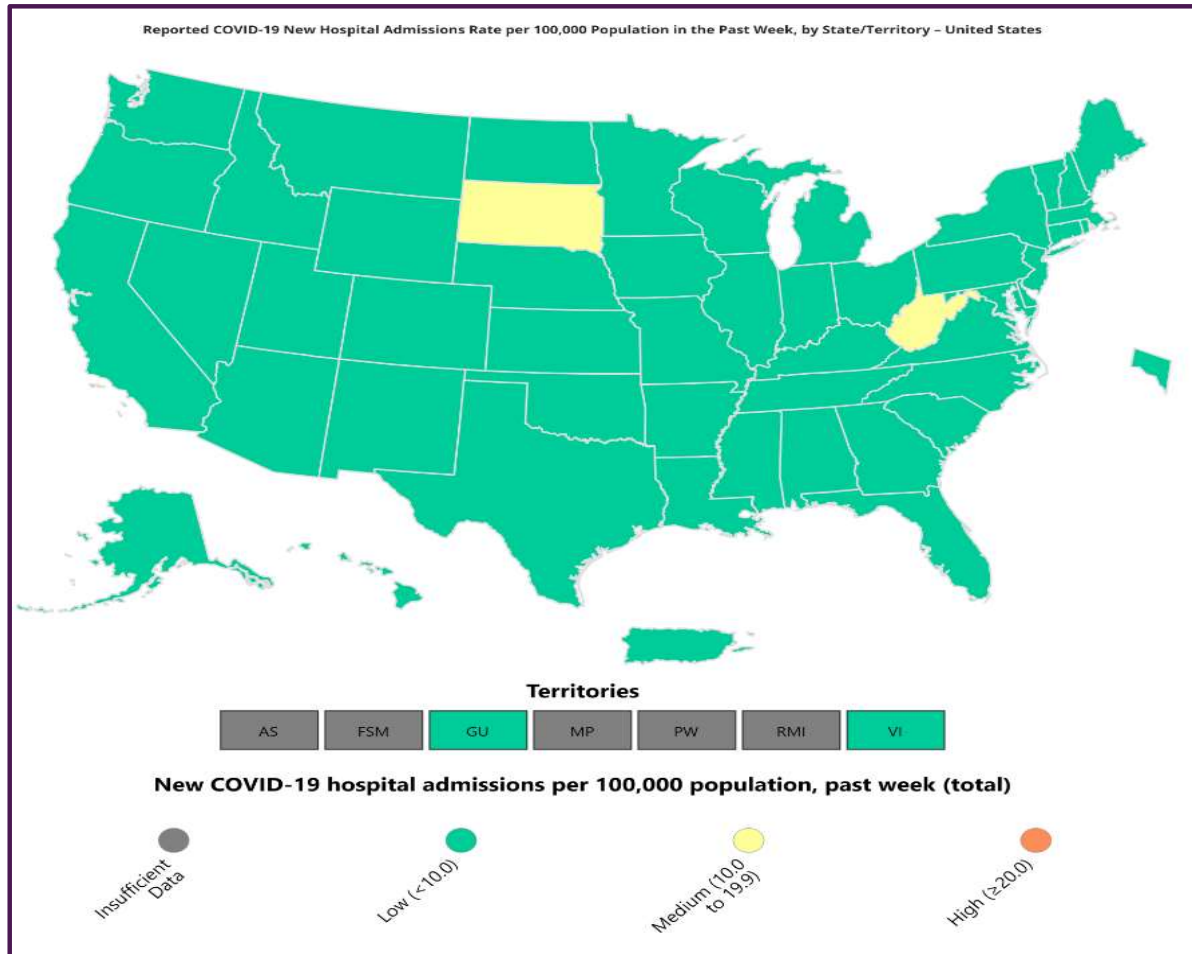


## New COVID Hospital Admissions from CDC Data (Sep 16, 2023 – Nov 25, 2023)



Data generated from: [https://covid.cdc.gov/covid-data-tracker/#maps\\_new-admissions-rate-state](https://covid.cdc.gov/covid-data-tracker/#maps_new-admissions-rate-state)

# COVID Hospital Admission Rates Per 100,000 from CDC Data (Week Ending Nov 25, 2023)

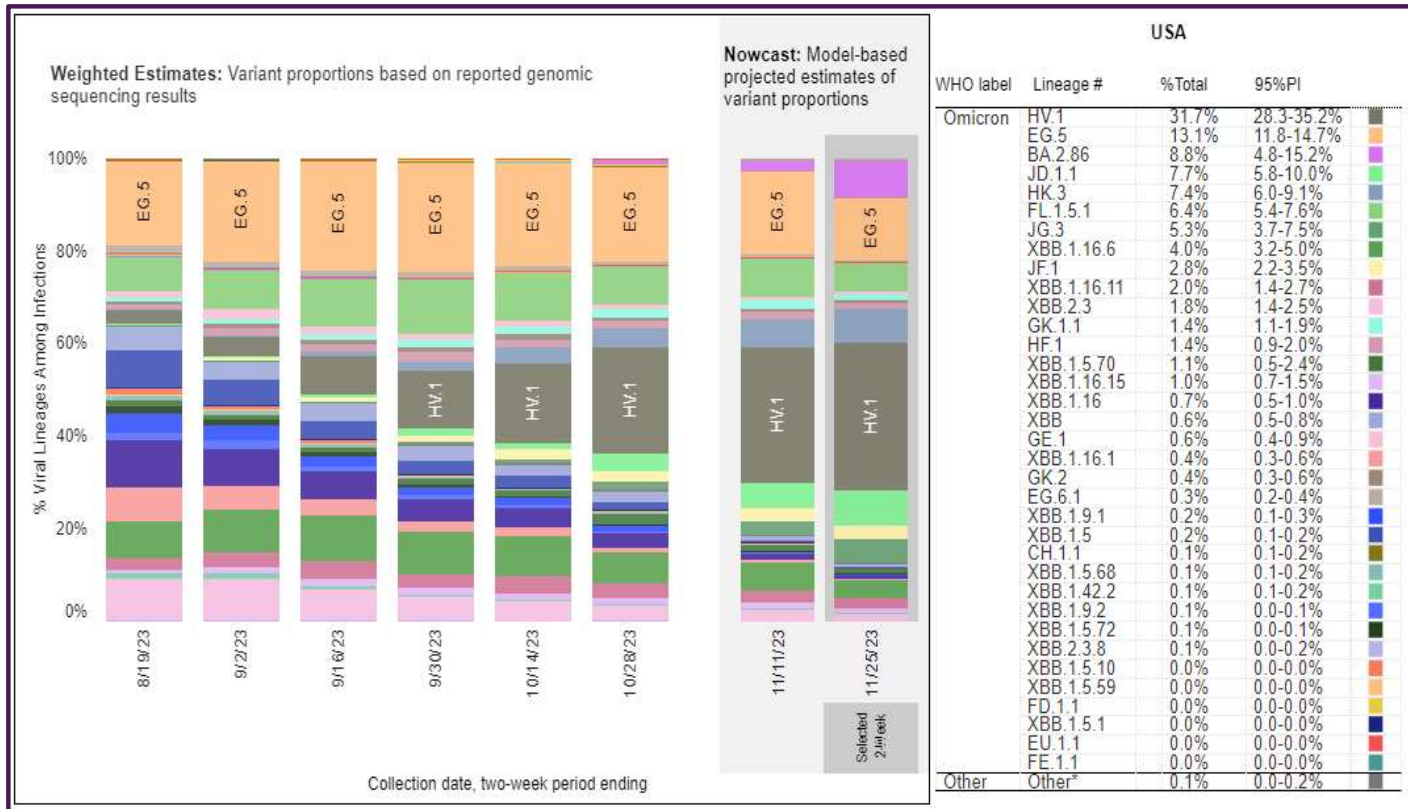


Data generated from: [https://covid.cdc.gov/covid-data-tracker/#maps\\_new-admissions-rate-state](https://covid.cdc.gov/covid-data-tracker/#maps_new-admissions-rate-state)



# November 25, 2023 – TOP 5 SARS-CoV-2 Strains circulating in the Midwest by Nowcast modeling

(Omicron HV.1 – 31.7% ↑, EG.5 – 13.1% ↓, BA.2.86 8.8% ↑, JD.1.1 7.7% ↑, HK.3 7.8% ↓)



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

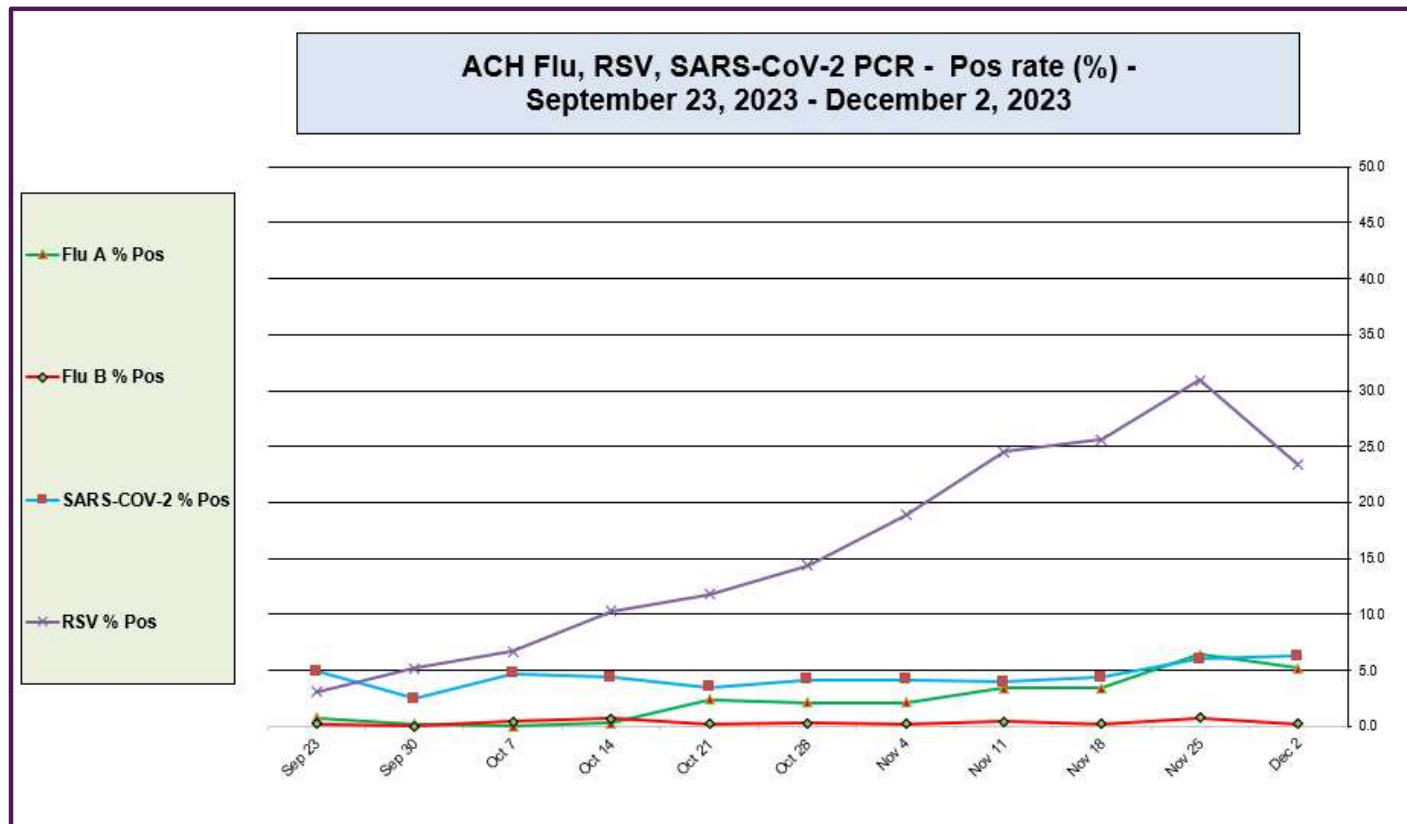
<https://www.cdc.gov/>

## ACL RSV PCR positivity rate (Oct 7, 2023 – Dec 2, 2023)



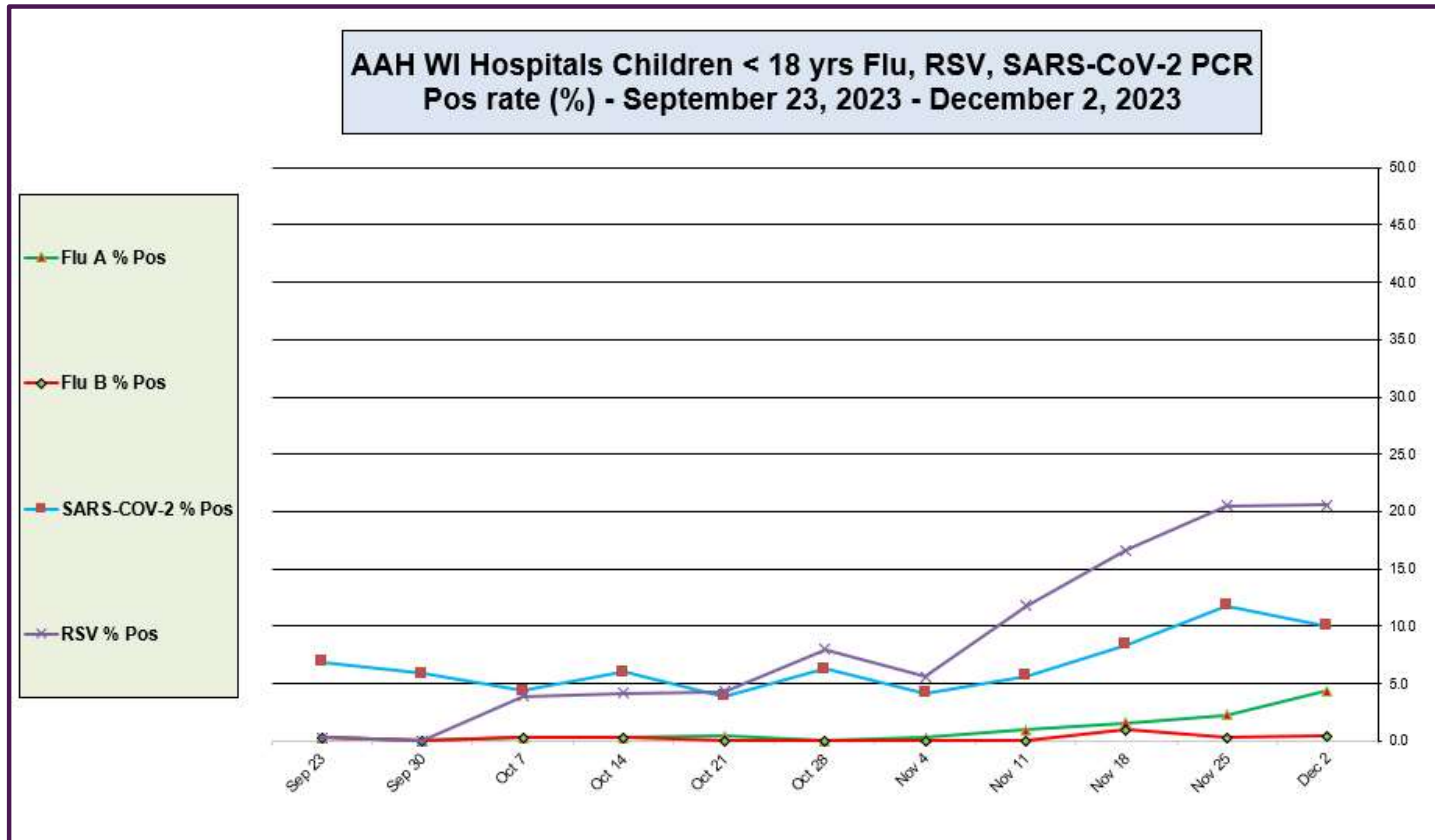
Data generated using: Rapid Respiratory Pathogen Panel (LAB9039) and COVID/FLU/RSV Panel (LAB10789)

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