ACL Laboratories Respiratory Virus Activity Report

Updated: January 4, 2024
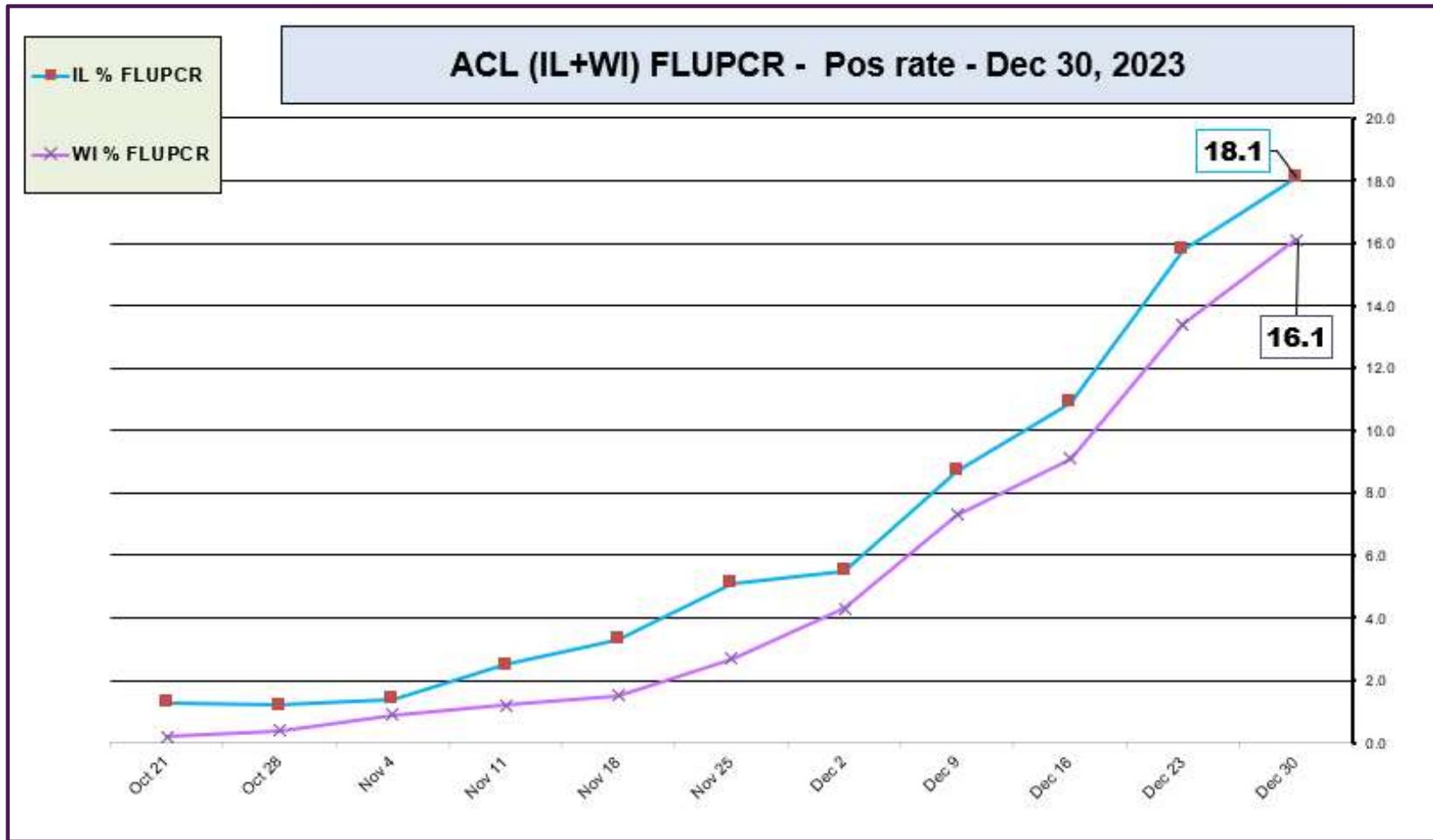
RESPIRATORY PATHOGEN POSITIVITY RATE - JANUARY 2023 - DECEMBER 31, 2023

| 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	Chlamydophila	Myco plasma	B. pertussis	B. paraper	Legionella # Pos
DEC 2023	11.2	0.0	2.8	1.2	0.8	10.3	0.9	0.3	0.0	0.5	0.2	0.1	2.7	0.4	14.4	0.8	12.7	5.6	N/A	0.0	0.6	0.0	0.0	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),

AdvocateAuroraHealth®

ACL INFLUENZA positivity rate (Oct 21, 2023 – Dec 30, 2023)

AdvocateAuroraHealth

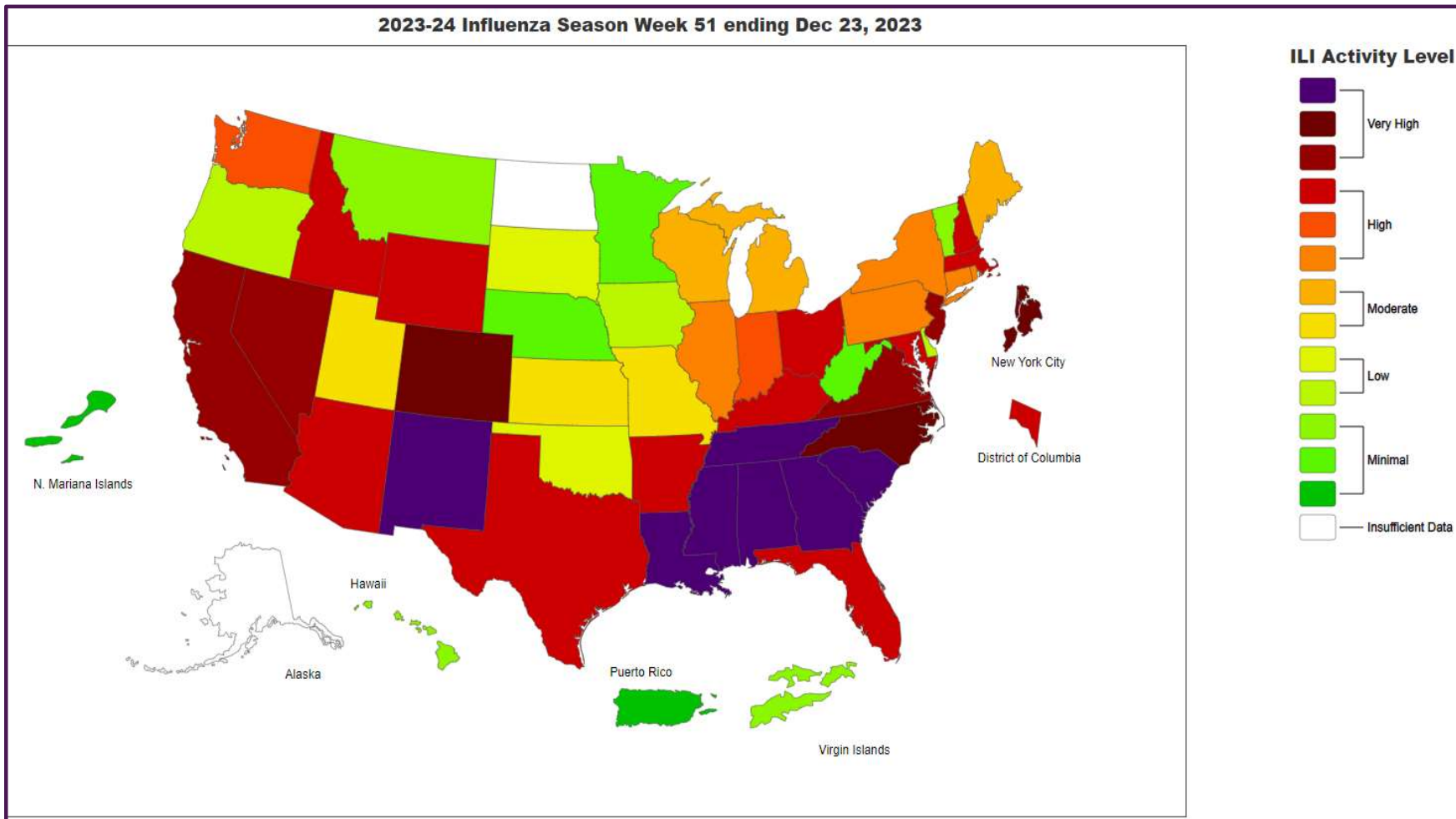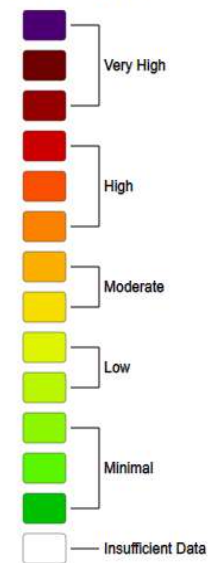## US National Influenza Positivity Rates – Week 51 ending Dec 23, 2023
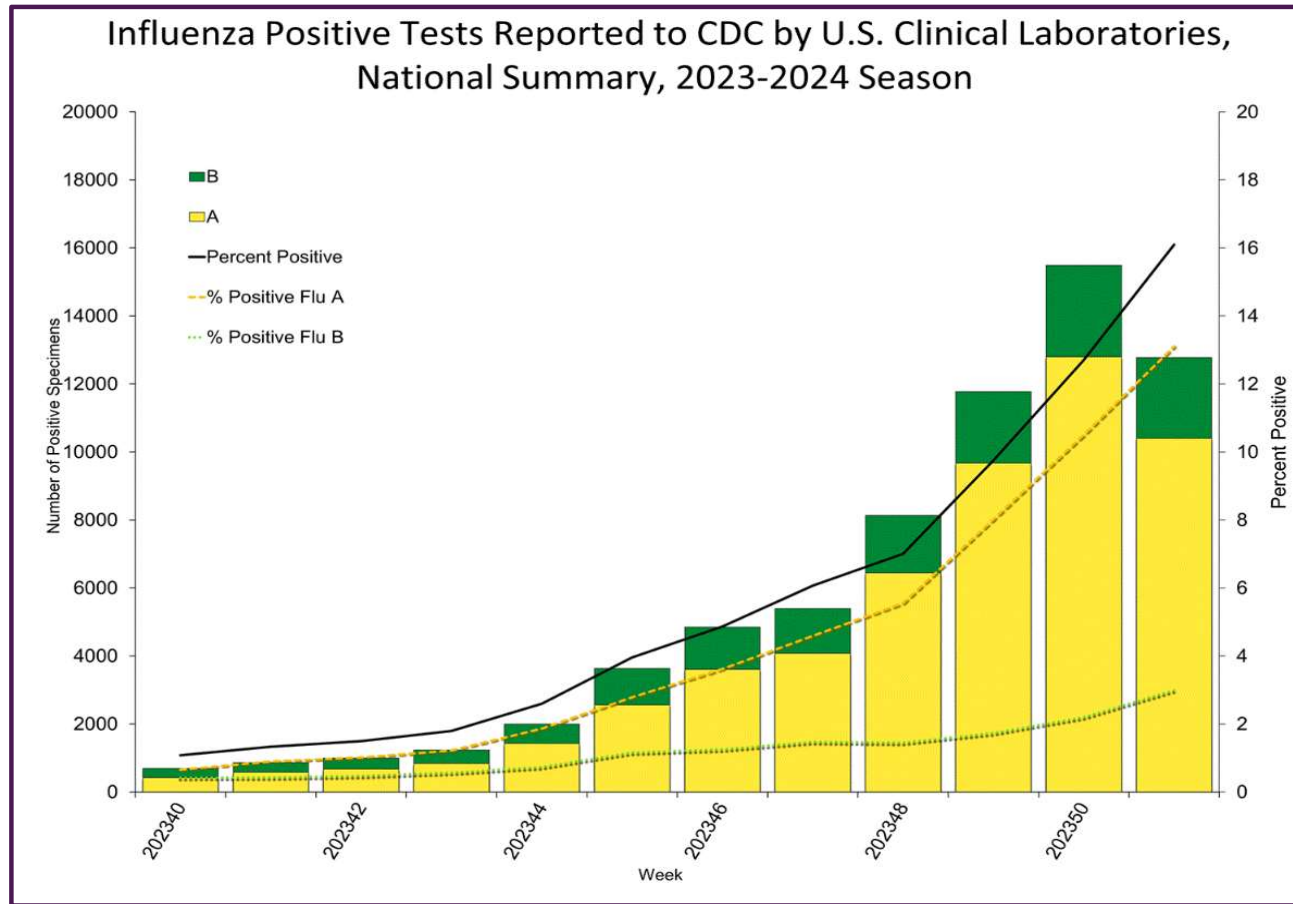
2023-24 Influenza Season Week 51 ending Dec 23, 2023

https://www.cdc.gov/

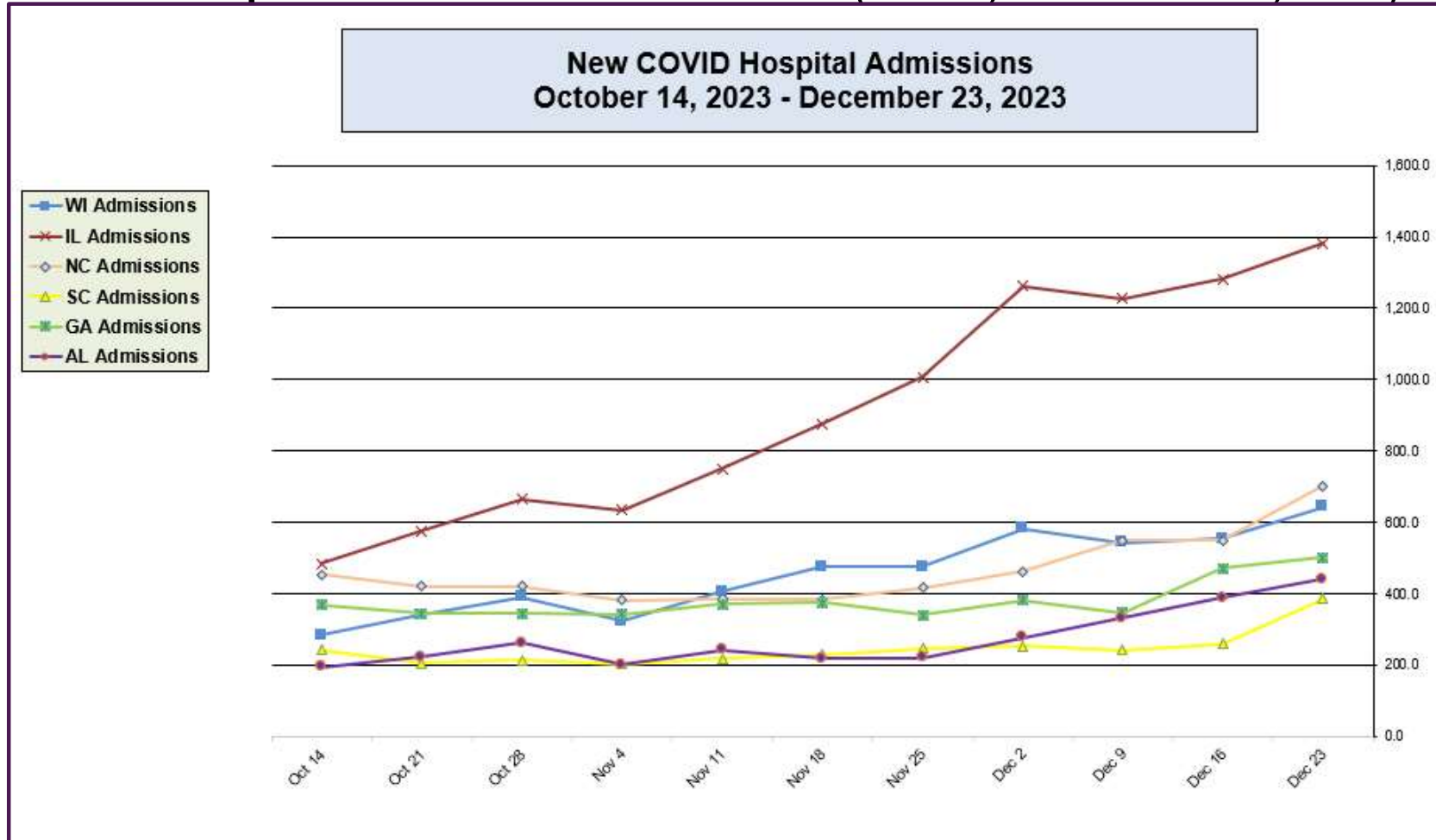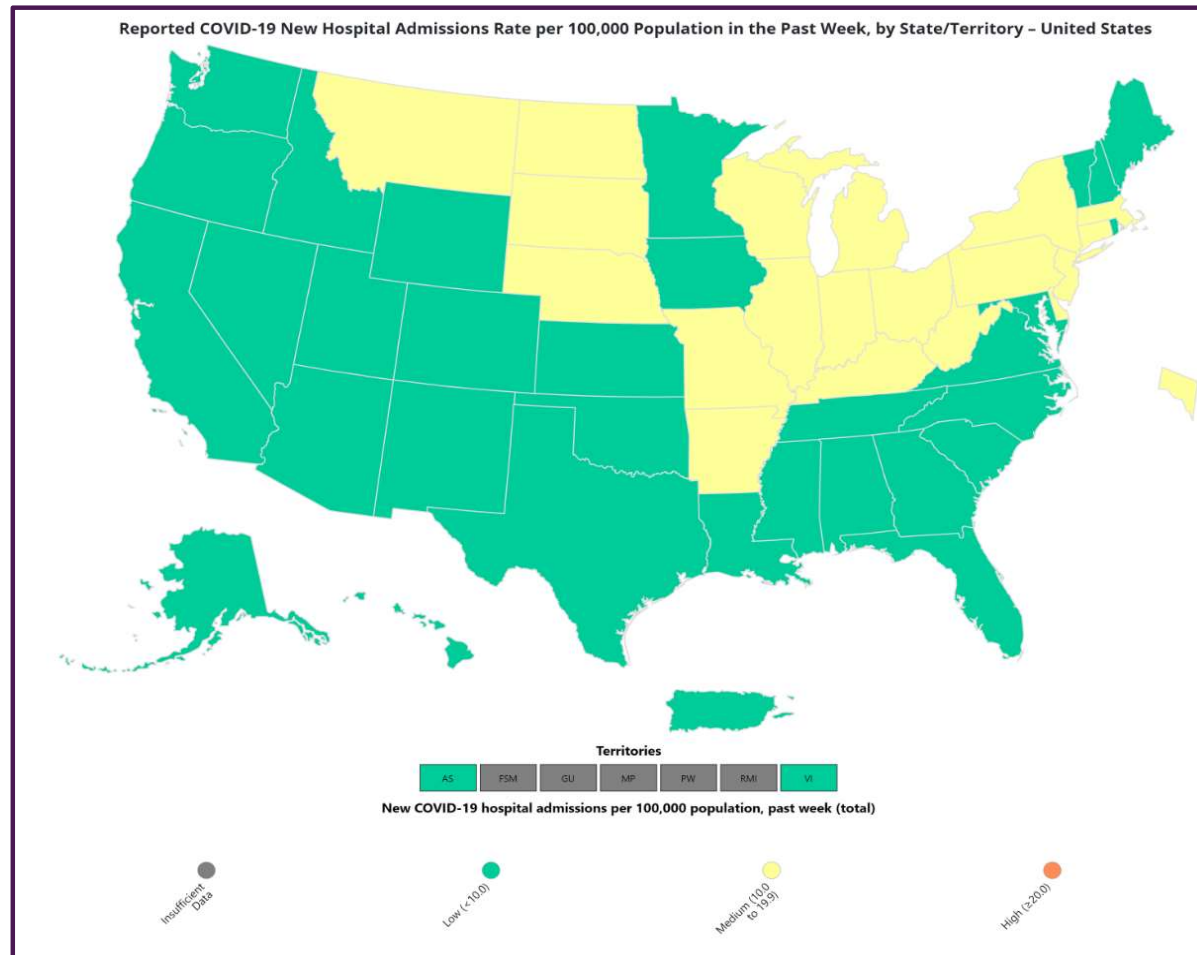# ACL SARS-CoV-2 positivity rate (Oct 21, 2023 – Dec 30, 2023)

New COVID Hospital Admissions from CDC Data (Oct 14, 2023 – Dec 23, 2023)

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

COVID Hospital Admission Rates Per 100,000 from CDC Data (Week Ending Dec 23, 2023)

Reported COVID-19 New Hospital Admissions Rate per 100,000 Population in the Past Week, by State/Territory – United States

Territories

| AS | FSM | GU | MP | PW | RMI | VI |

New COVID-19 hospital admissions per 100,000 population, past week (total)

Insufficient Data — Low (<10.0) — Medium (10.0 to 19.9) — High (≥20.0)

AdvocateAuroraHealth®

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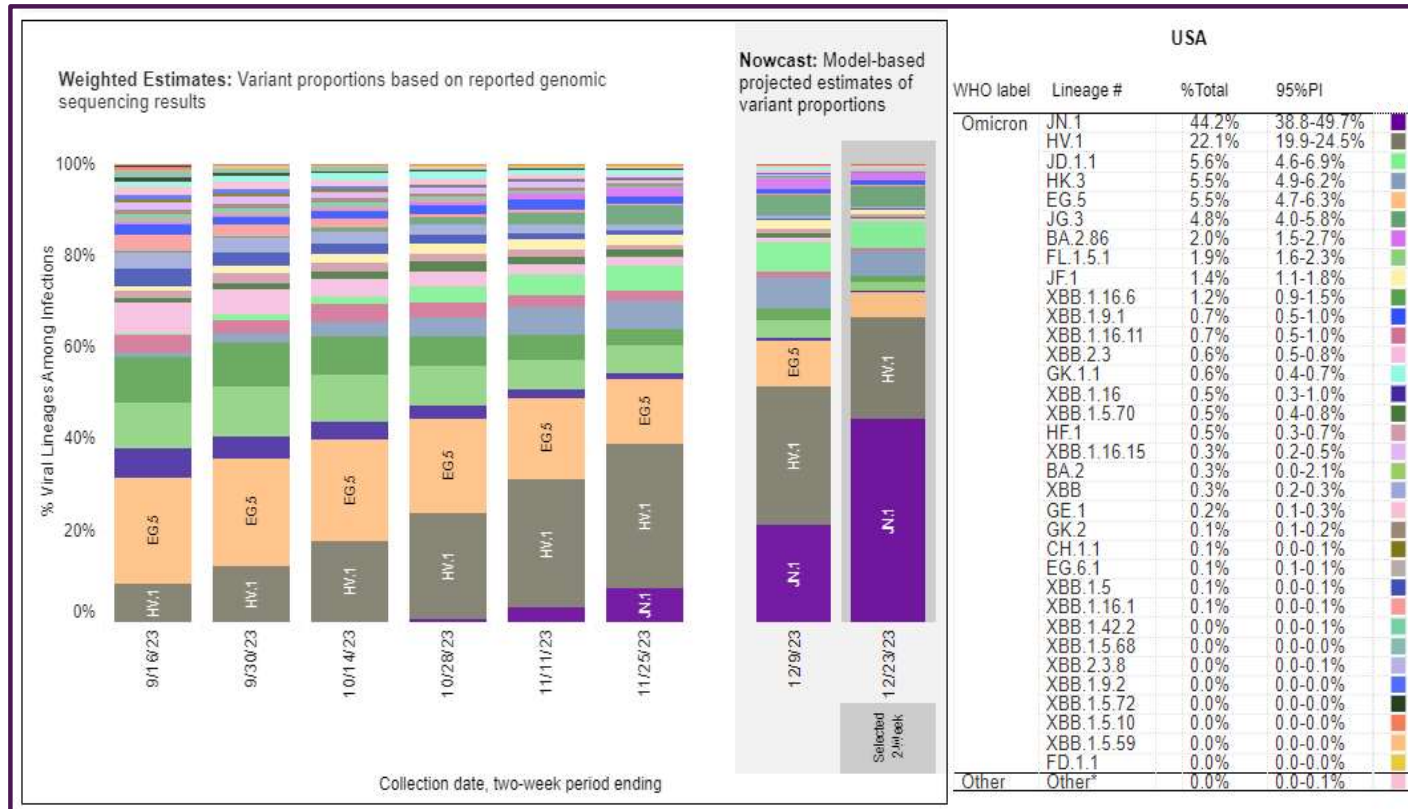
** CDC uses **Nowcast** model that estimates more recent proportions of circulating variants (actual sequencing data is typically delayed for 2 weeks).

https://www.cdc.gov/

AdvocateAuroraHealth®

ACL RSV PCR positivity rate (Nov 4, 2023 – Dec 30, 2023)

ACL RSV PCR - Pos rate (%) - Dec 30, 2023

Legend: IL % RSVPCR, WI % RSVPCR

Data points labeled: 11.1, 7.3

X-axis: Nov 4, Nov 11, Nov 18, Nov 25, Dec 2, Dec 9, Dec 16, Dec 23, Dec 30

Y-axis: 0.0, 10.0, 20.0

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

AdvocateAuroraHealth®

Advocate Children's Hospital Influenza A, Influenza B, RSV, and SARS-CoV-2 PCR
Positivity rates (Oct 21, 2023 – Dec 30, 2023)
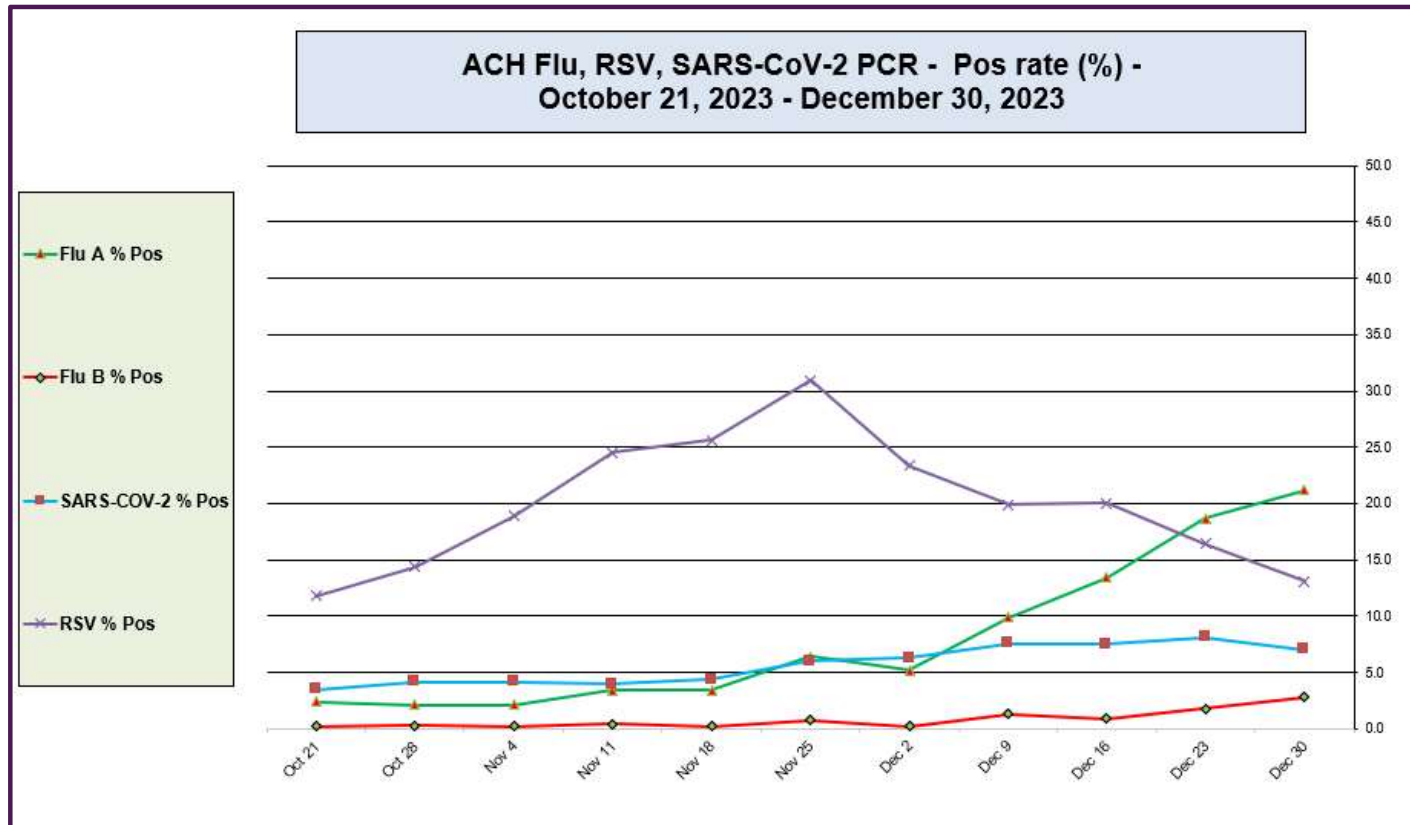
Data generated using: Respiratory Pathogen Panel (LAB9955), Rapid Respiratory Pathogen Panel (LAB9039), Rapid SARS-CoV-2 by PCR (LAB10644), COVID/FLU by PCR (LAB10889), COVID/FLU/RSV Panel (LAB10789), 2019 Novel Coronavirus (SARS-CoV-2) LAB10635

AAH WI Hospitals (patients < 18 yrs old) Influenza A, Influenza B, RSV, and SARS-CoV-2 PCR
Positivity rates (Oct 21, 2023 – Dec 30, 2023)

AAH WI Hospitals Children < 18 yrs Flu, RSV, SARS-CoV-2 PCR
Pos rate (%) - October 21, 2023 - December 30, 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