ACL Laboratories Respiratory Virus Activity Report

Updated: February 14, 2024
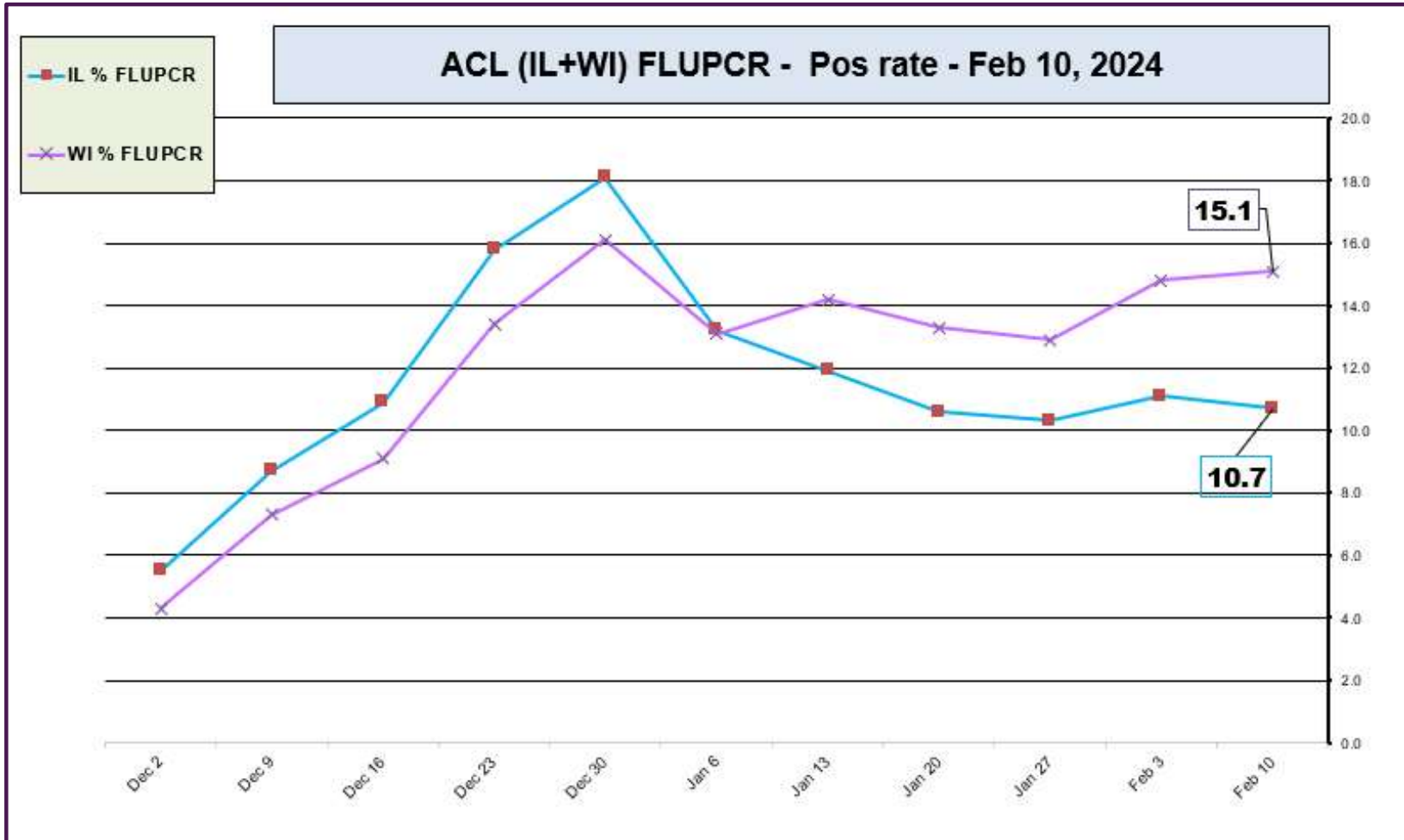
RESPIRATORY PATHOGEN POSITIVITY RATE - MARCH 2023 - FEBRUARY 10, 2024

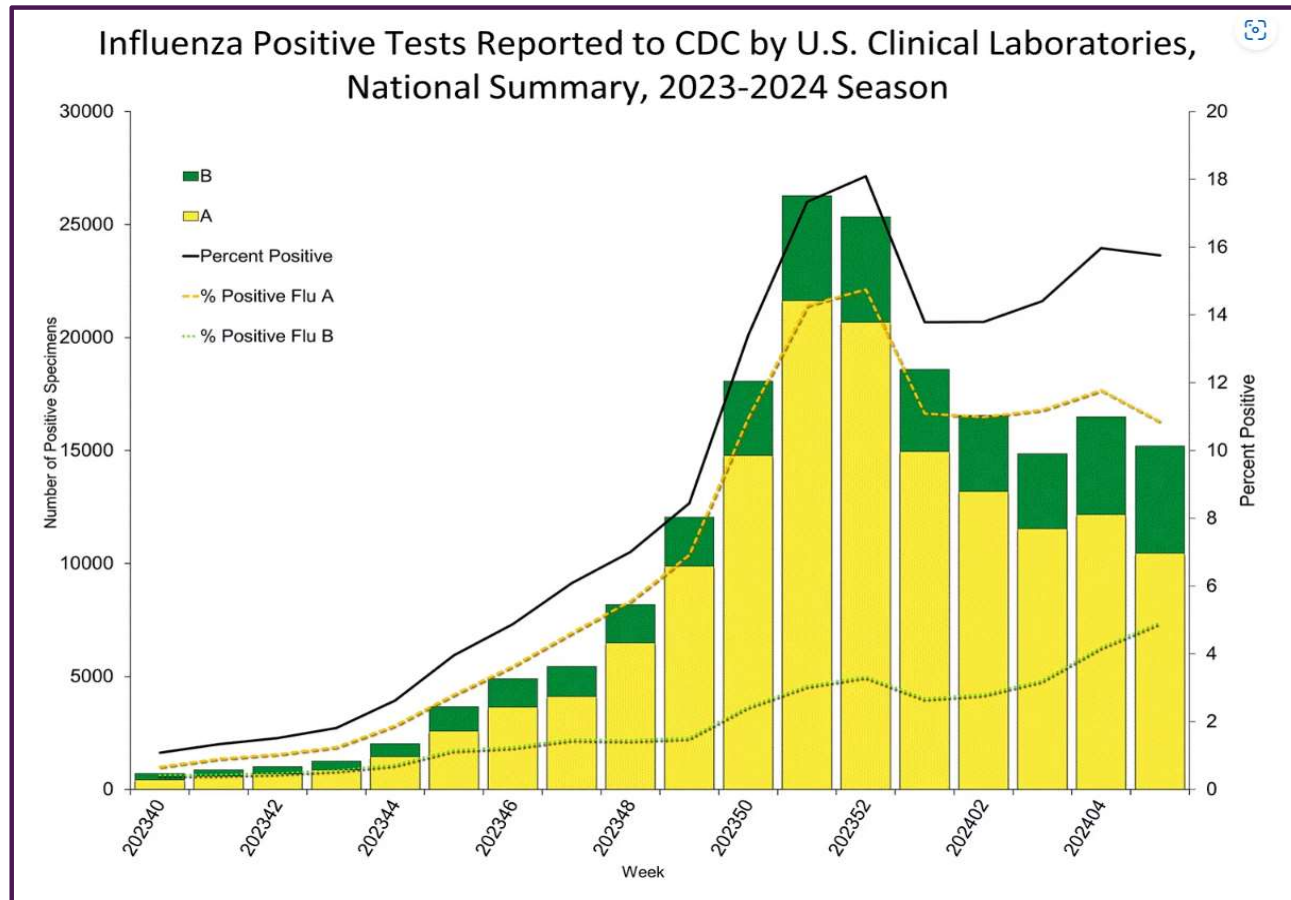| MONTH	FLU A UnSub	FLU A (H1N1)	2009 H1N1	FLU A H3N2	FLU B	RSV A/B	PARA 1	PARA 2	PARA 3	Para 4	COR 229E	COR NL63	COR OC43	COR HKU1	SARS-CoV-2	Human META	E/R	Adeno	BOCA	Chlamydophila	Myco plasma	B. pertussis	B. paraper	Legionella # Pos
FEB 2024	9.3	0.0	3.2	1.4	3.5	3.9	0.0	0.0	0.8	0.1	1.0	0.1	6.2	0.8	9.8	1.4	12.8	4.6	N/A	0.0	0.1	0.0	0.0	0
JAN 2024	11.0	0.0	4.3	1.2	1.6	7.1	0.2	0.1	0.4	0.2	0.4	0.0	3.4	0.4	10.5	1.2	7.1	5.2	0.0	0.0	0.4	0.2	0.1	0
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	0.0	0.0	0.6	N/A	N/A	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	N/A	N/A	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

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 (Dec 2, 2023 – Feb 10, 2024)

US National Influenza Positivity Rates – Week 5 ending Feb 3, 2024

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, 2023-2024 Season

2023-24 Influenza Season Week 5 ending Feb 03, 2024

https://www.cdc.gov/
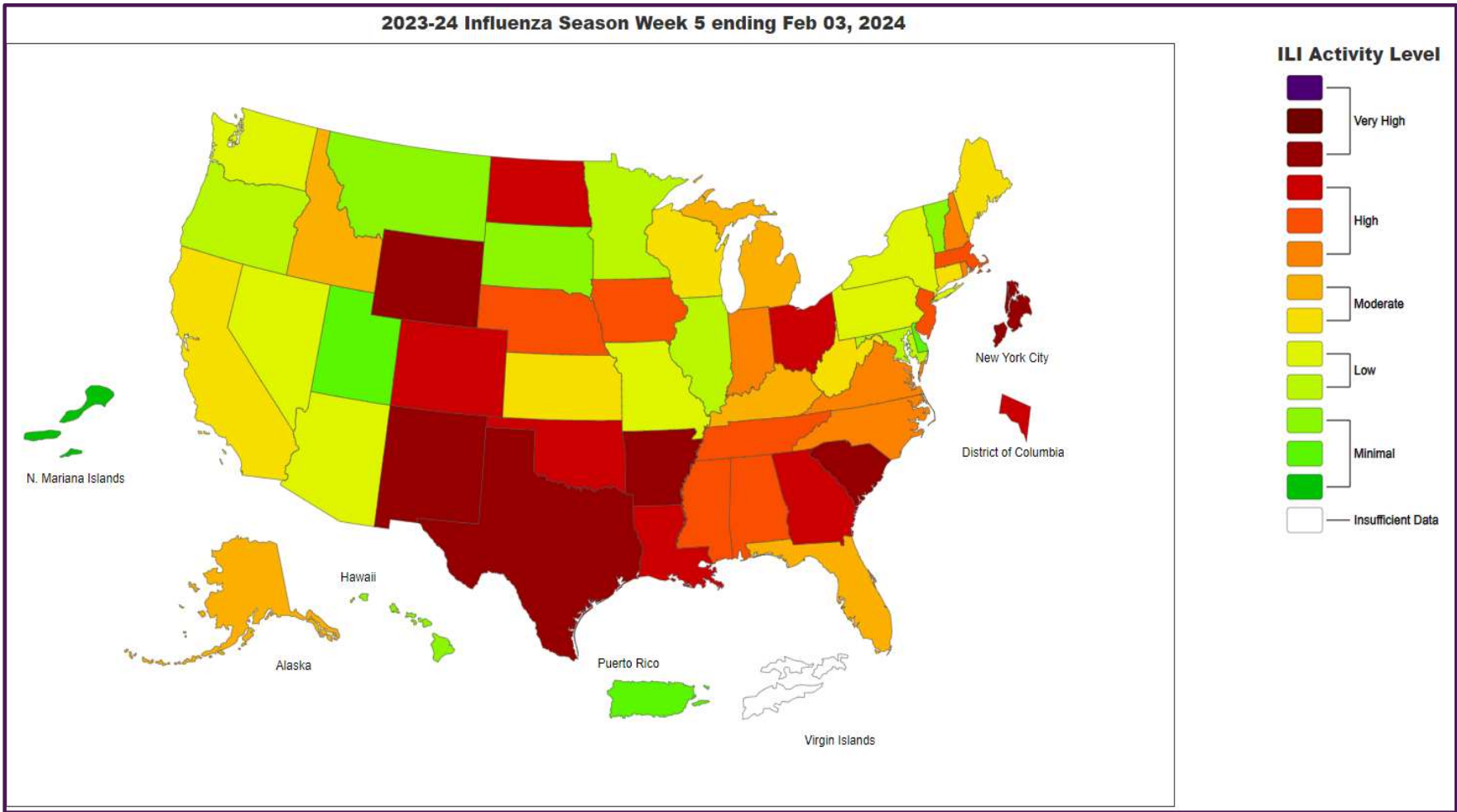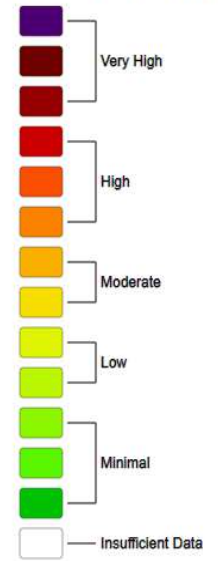
ACL SARS-CoV-2 positivity rate (Dec 2, 2023 – Feb 10, 2024)

New COVID Hospital Admissions from CDC Data (Nov 25, 2023 – February 3, 2024)

New COVID Hospital Admissions
November 25, 2023 - February 3, 2024

COVID Hospital Admission Rates Per 100,000 from CDC Data (Week Ending Feb 3, 2024)

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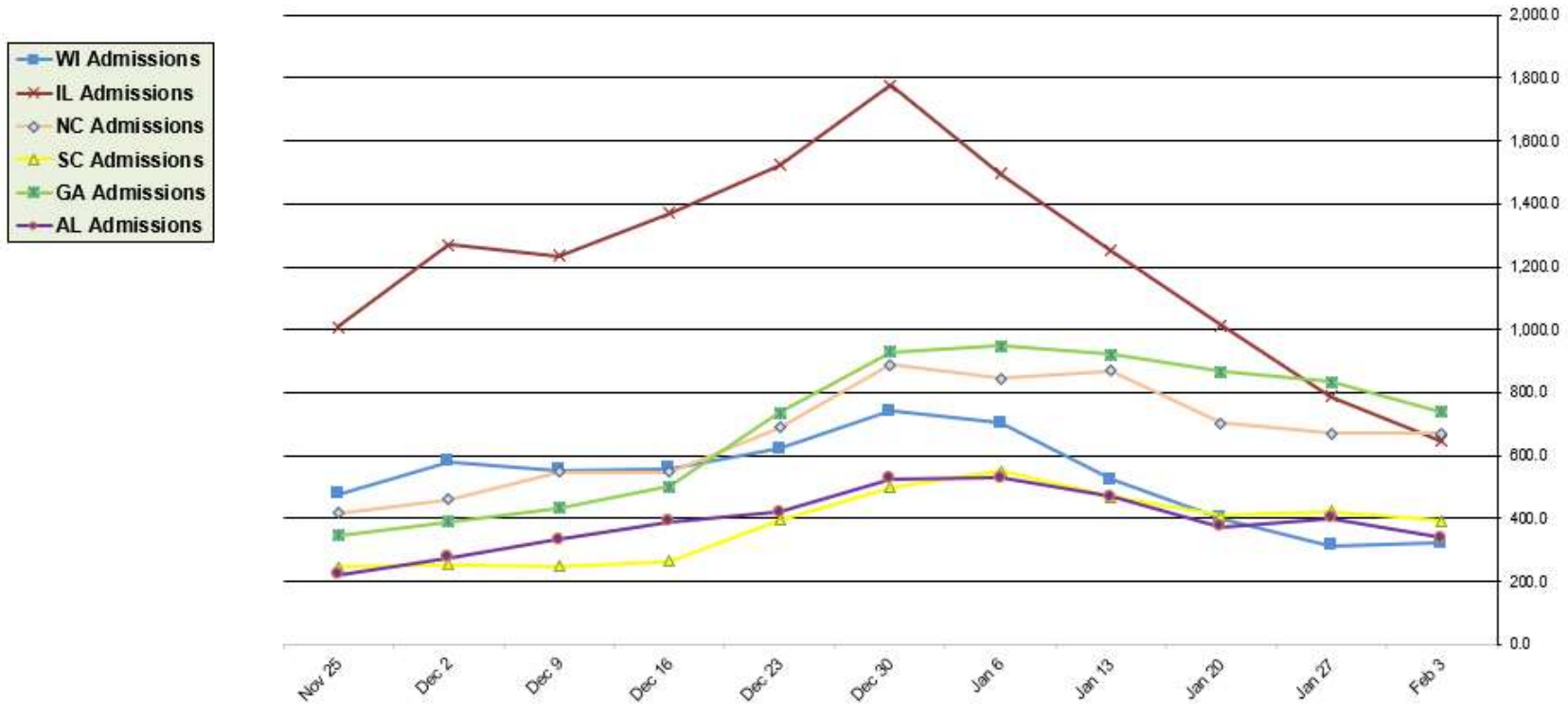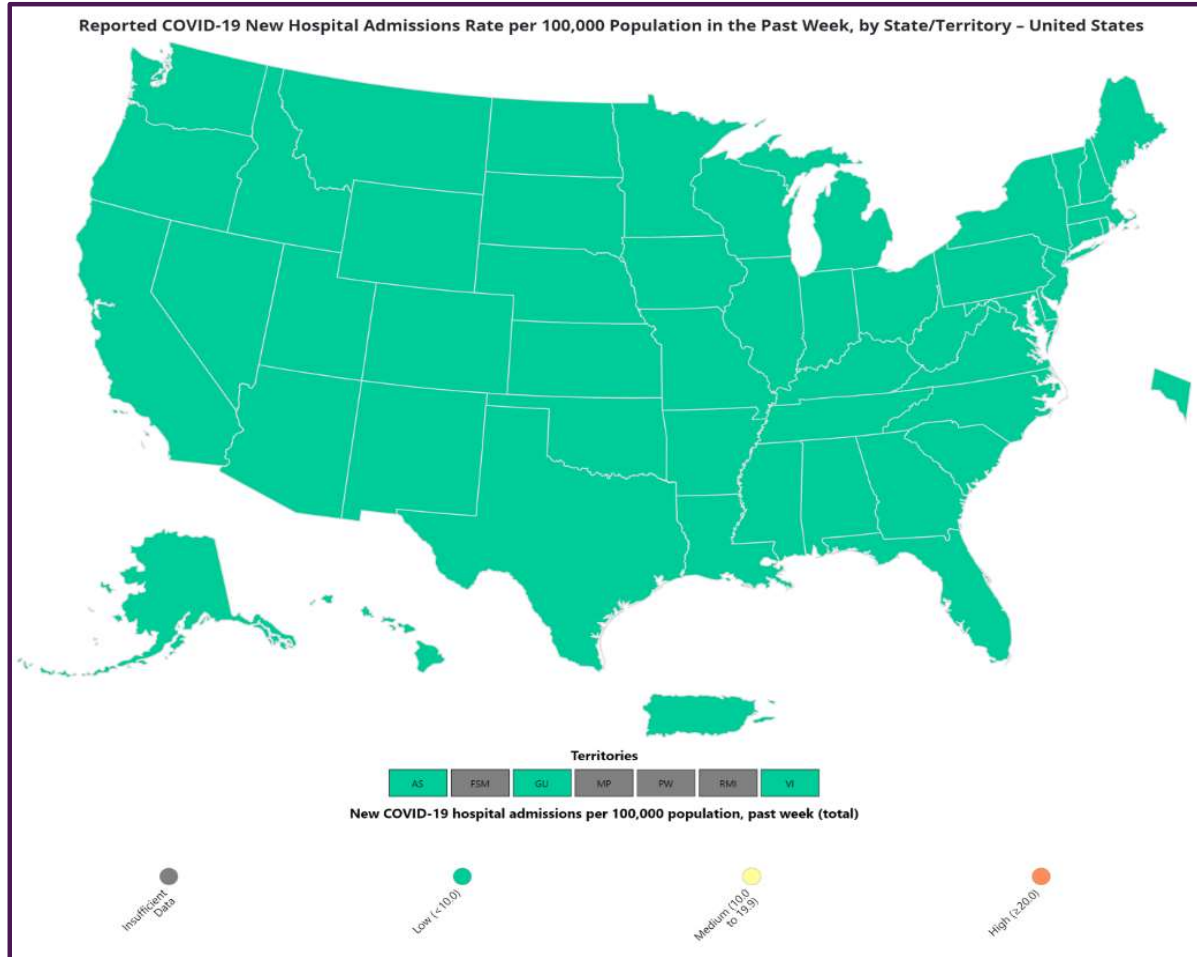
Data generated from: https://covid.cdc.gov/covid-data-tracker/#maps_new-admissions-rate-state

February 3, 2024 – TOP 5 SARS-CoV-2 Strains circulating in the Midwest by Nowcast modeling
(Omicron JN.1 93.1% ↑, HV.1 – 2.3% ↓, JD.1.1 0.8% ↓, BA.2.86 0.7% ↓, JG.3 1.1% ↓)
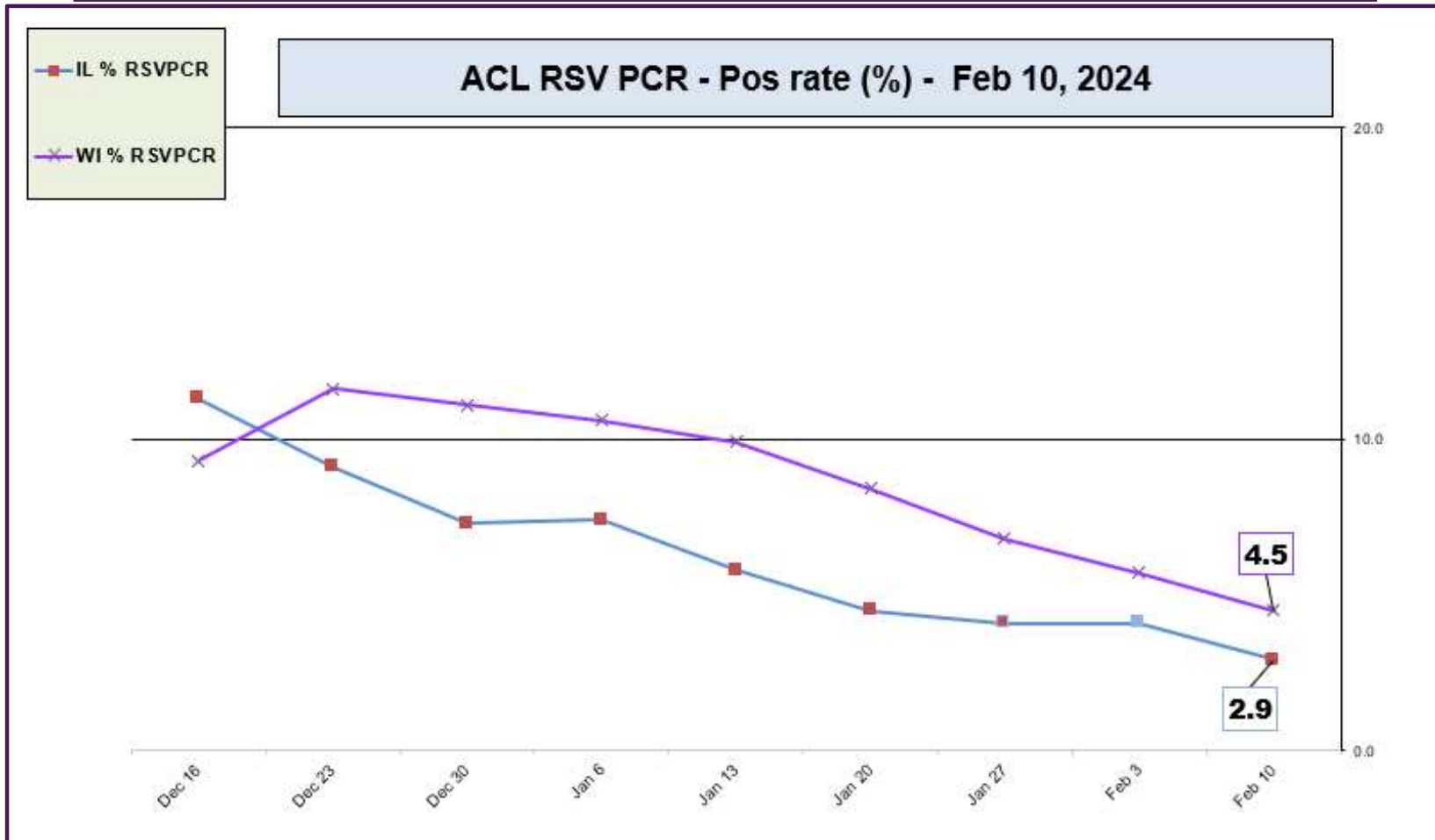

Weighted Estimates: Variant proportions based on reported genomic sequencing results

Nowcast: Model-based projected estimates of variant proportions

WHO label	Lineage #	%Total	95%PI	
Omicron	JN.1	93.1%	91.5-94.4%	
	HV.1	2.3%	2.0-2.8%	
	JG.3	1.1%	0.8-1.4%	
	JD.1.1	0.8%	0.6-1.0%	
	BA.2.86	0.7%	0.5-0.9%	
	HK.3	0.4%	0.4-0.5%	
	GE.1	0.4%	0.1-1.0%	
	EG.5	0.3%	0.2-0.4%	
	BA.2	0.3%	0.0-1.9%	
	EG.5.1.8	0.1%	0.1-0.1%	
	JF.1	0.1%	0.1-0.1%	
	FL.1.5.1	0.1%	0.0-0.1%	
	XBB.1.9.1	0.0%	0.0-0.1%	
	XBB	0.0%	0.0-0.1%	
	XBB.1.16.6	0.0%	0.0-0.1%	
	XBB.1.16.11	0.0%	0.0-0.1%	
	XBB.1.5.70	0.0%	0.0-0.1%	
	GK.1.1	0.0%	0.0-0.0%	
	XBB.1.16.15	0.0%	0.0-0.0%	
	HF.1	0.0%	0.0-0.0%	
	XBB.2.3	0.0%	0.0-0.0%	
	XBB.1.16	0.0%	0.0-0.0%	
	GK.2	0.0%	0.0-0.0%	
	XBB.1.5	0.0%	0.0-0.0%	
	CH.1.1	0.0%	0.0-0.0%	
	EG.6.1	0.0%	0.0-0.0%	
	XBB.1.16.1	0.0%	0.0-0.0%	
	XBB.1.42.2	0.0%	0.0-0.0%	
	XBB.1.9.2	0.0%	0.0-0.0%	
	XBB.1.5.68	0.0%	0.0-0.0%	
	XBB.1.16.17	0.0%	0.0-0.0%	
	XBB.1.5.72	0.0%	0.0-0.0%	
Other	Other*	0.1%	0.1-0.2%	

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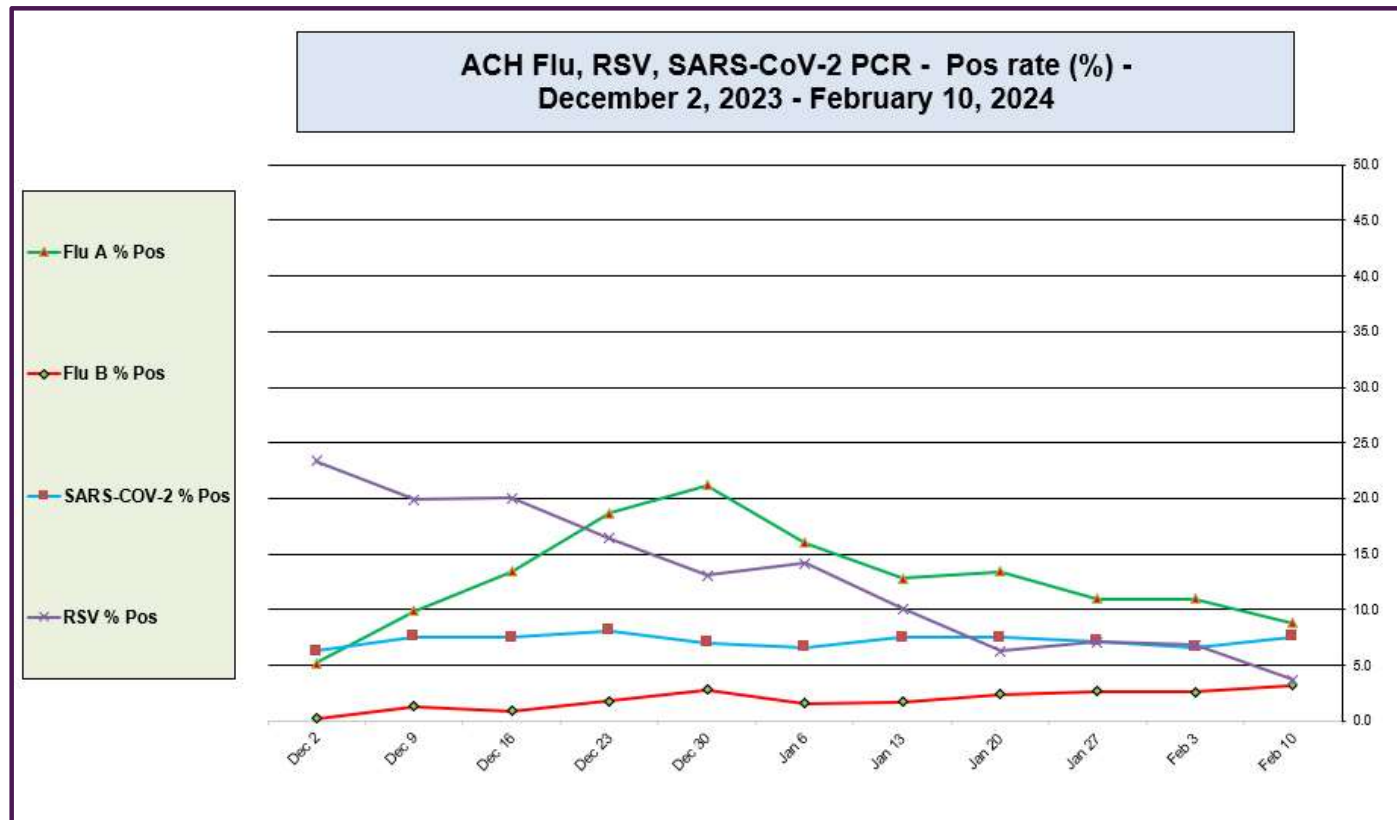
https://www.cdc.gov/

ACL RSV PCR positivity rate (Dec 16, 2023 – Feb 10, 2024)

ACL RSV PCR - Pos rate (%) - Feb 10, 2024

Legend:
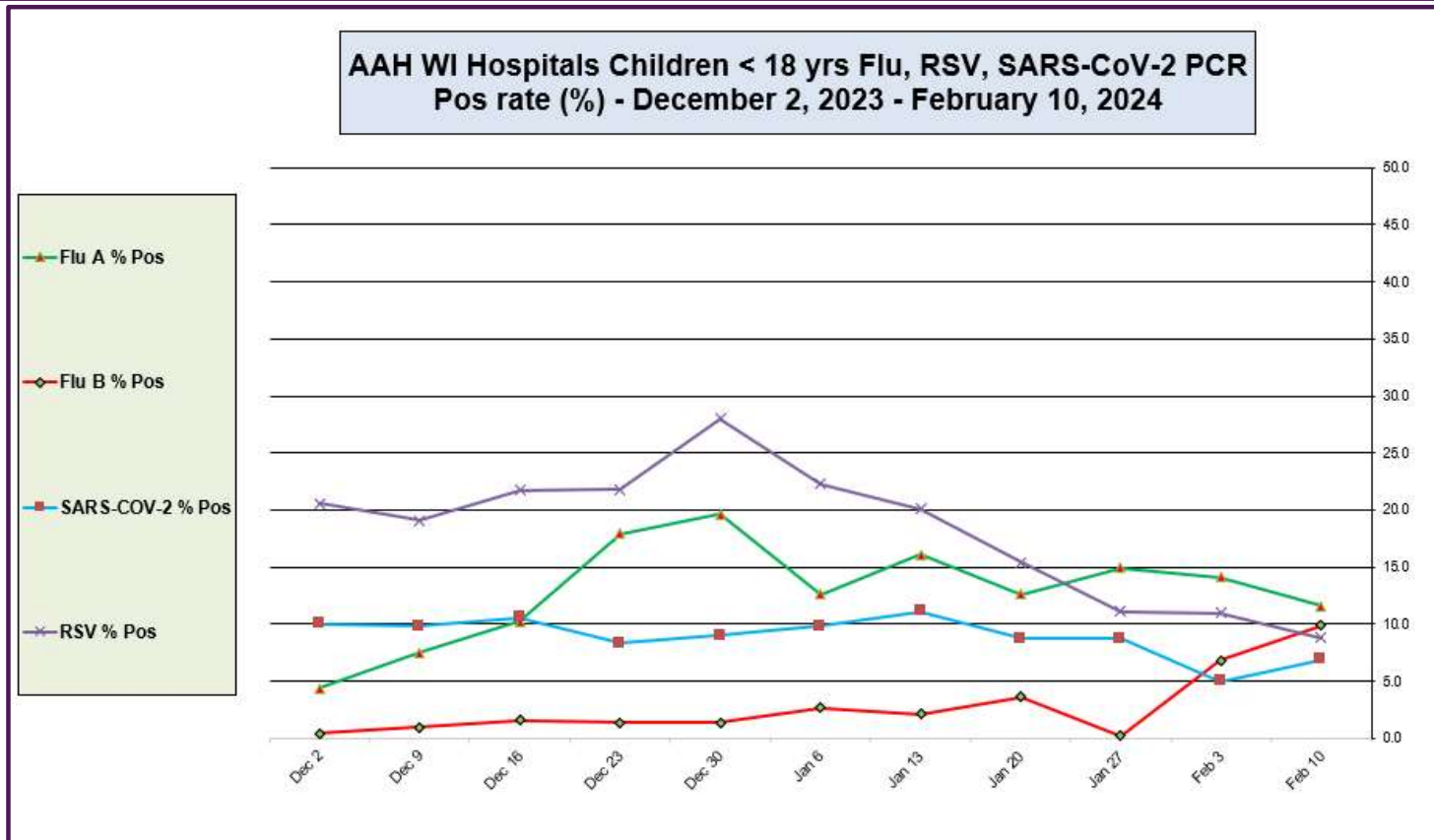- IL % RSVPCR
- WI % RSVPCR

4.5

2.9

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 (Dec 2, 2023 – Feb 10, 2024)

ACH Flu, RSV, SARS-CoV-2 PCR - Pos rate (%) -
December 2, 2023 - February 10, 2024

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 (Dec 2, 2023 – Feb 10, 2024)

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