

# ACL Laboratories COVID-19 and Influenza Activity Report

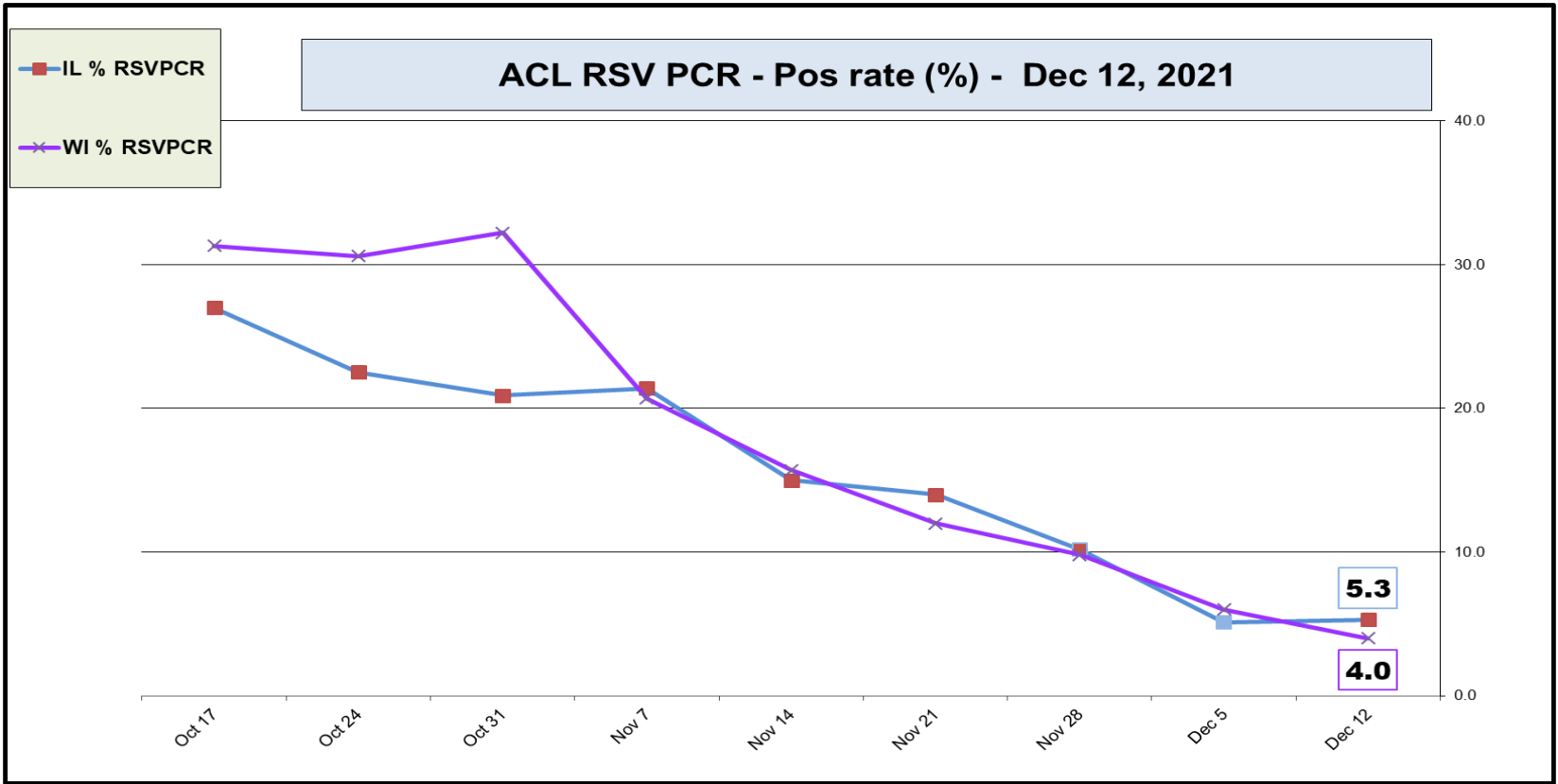
Updated: Dec 12, 2021



## RESPIRATORY PATHOGEN PANEL Dec 12, 2021 Positivity Rate (%)

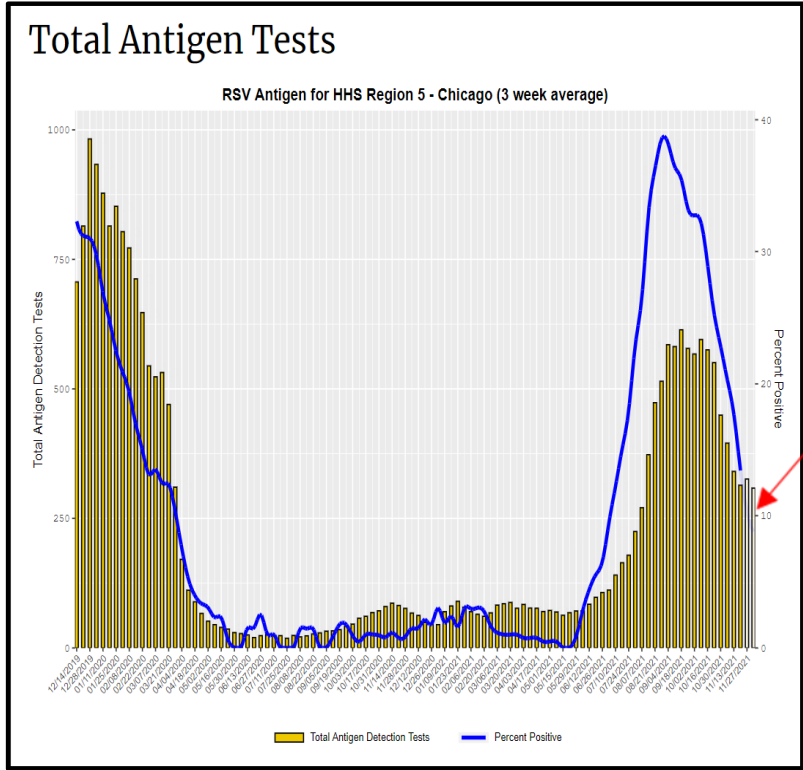
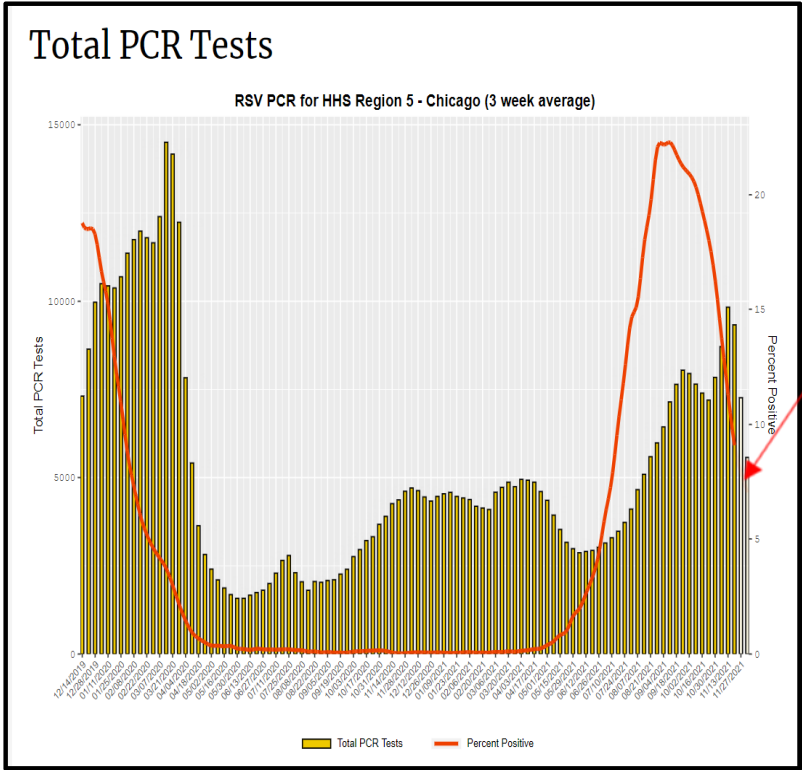
MONTH	FLU A	FLU A (H1N1)	2009 H1N1	FLU A H3N2	FLU B	RSV A	RSV B	RSV A/B	PARA 1	PARA 2	PARA 3	Para 4	COR 229E	COR NL63	COR OC43	COR HKU1	META	E/R	Adeno	BOCA	Legio nella	Chla mydia	Mycoplasm
JAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.7	0.3	0.0	0.0	0.0
FEB	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.2	6.1	0.2	0.3	0.0	0.0	0.0
MAR	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.1	0.1	0.3	0.1	1.4	0.9	0.1	0.4	12.2	1.2	0.3	0.0	0.1	0.1
APR	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.5	0.0	0.0	2.5	2.9	0.0	0.8	15.3	1.4	1.2	0.0	0.0	0.0
MAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	3.9	0.0	0.2	1.4	3.9	0.0	0.0	14.4	1.7	1.4	0.2	0.0	0.1
JUN	0.0	0.0	0.0	0.0	0.0	0.1	1.8	1.9	0.0	0.3	9.6	0.0	0.3	0.4	2.4	0.0	0.1	15.8	1.1	1.8	0.0	0.0	0.1
JUL	0.0	0.0	0.0	0.0	0.0	1.0	7.2	8.2	0.1	0.5	12.9	0.0	0.1	0.4	1.4	0.0	0.5	18.9	1.6	4.4	0.4	0.0	0.0
AUG	0.0	0.0	0.0	0.0	0.0	0.8	12.5	13.3	0.0	1.2	6.2	0.1	0.1	0.1	0.5	0.0	0.7	14.0	1.3	3.6	0.0	0.0	0.0
SEP	0.0	0.0	0.0	0.0	0.0	0.7	10.6	11.3	0.0	0.9	1.8	0.4	0.0	0.0	0.4	0.0	0.6	23.6	0.8	4.1	0.1	0.0	0.1
OCT	0.0	0.0	0.0	0.0	0.0	0.5	7.3	7.8	0.0	1.6	1.2	1.0	0.1	0.0	0.4	0.0	0.3	21.0	1.2	4.0	0.2	0.0	0.0
NOV	0.0	0.1	0.1	0.7	0.0	0.3	7.3	7.6	0.1	1.5	0.9	1.5	0.2	0.1	0.9	0.0	1.0	18.3	1.4	3.7	0.1	0.0	0.0
DEC	0.0	0.0	0.0	2.0	0.0	0.4	5.3	5.7	0.0	1.1	1.7	1.0	0.4	0.0	1.6	0.0	1.9	12.8	2.3	4.7	0.3	0.0	0.0

Increased prevalence of viruses: **Rhinovirus, RSV, Boca virus, Parainfluenza 2,3,4, Adeno, Flu A**



ACL RSV positivity rate - **trends down**

# CDC Data RSV pos rate for Region 5 Chicago - (PCR - 7%↓, Antigen - 9% ↓)

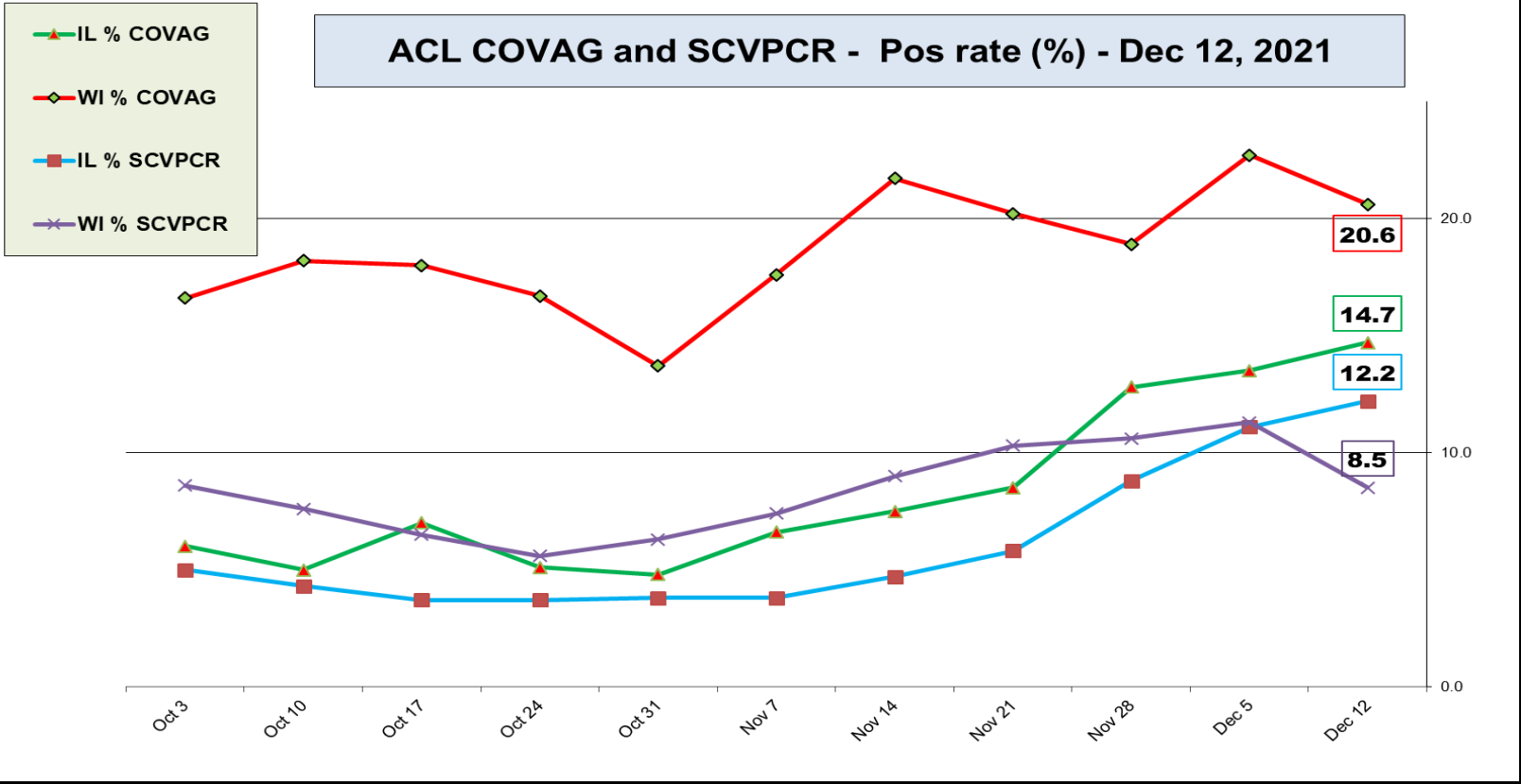


CDC RSV positivity rate - trends down

SARS-COV-2				Influenza PCR		RSV PCR		
Week	IL % SCVPCR	WI % SCVPCR	IL % COVAG	WI % COVAG	IL % FLUPCR	WI % FLUPCR	IL % RSVPCR	WI % RSVPCR
<b>Dec 12</b>	<b>12.2</b>	<b>8.5</b>	<b>14.7</b>	<b>20.6</b>	<b>5.1</b>	<b>7.1</b>	<b>5.3</b>	<b>4.0</b>
Dec 5	11.1	11.3	13.5	22.7	5.5	5.5	5.1	6.0
Nov 28	8.8	10.6	12.8	18.9	3.9	1.8	10.2	9.8
Nov 21	5.8	10.3	8.5	20.2	1.9	0.2	14.0	12.0
Nov 14	4.7	9.0	7.5	21.7	0.5	0	15.0	15.7
Nov 7	3.8	7.4	6.6	17.6	0	0.3	21.4	20.7
Oct 31	3.8	6.3	4.8	13.7	0.3	0	20.9	32.2
Oct 24	3.7	5.6	5.1	16.7	0	0.2	22.5	30.6
Oct 17	3.7	6.5	7.0	18.0	0	0	27.0	31.3
Oct 10	4.3	7.6	5.0	18.2	0	0.2	23.9	32.6
Oct 3	5.0	8.6	6.0	16.6	0	0	24.9	35.5

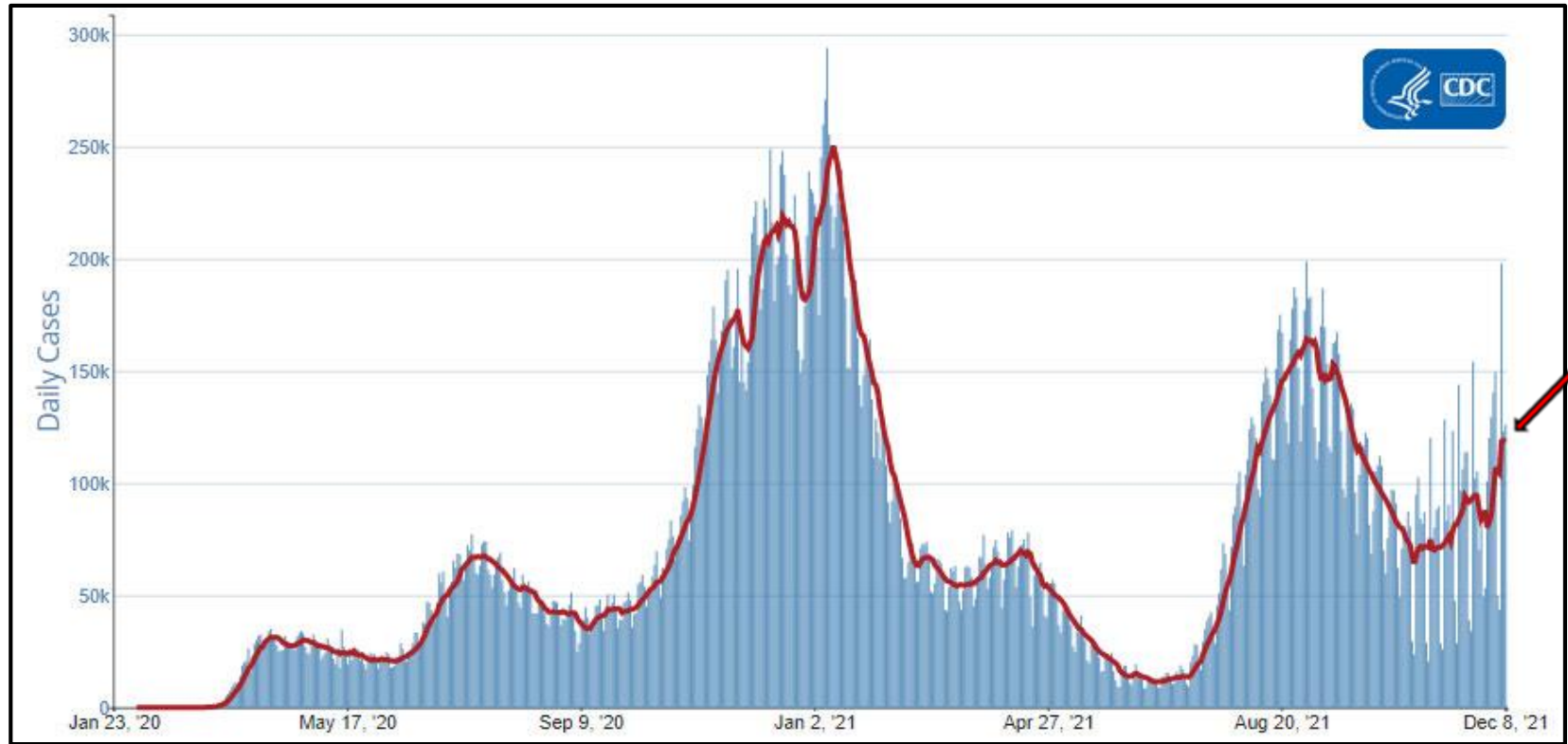
**ACL SARS-CoV-2 and Flu PCR positivity rate - trends up**

### ACL COVAG and SCVPCR - Pos rate (%) - Dec 12, 2021



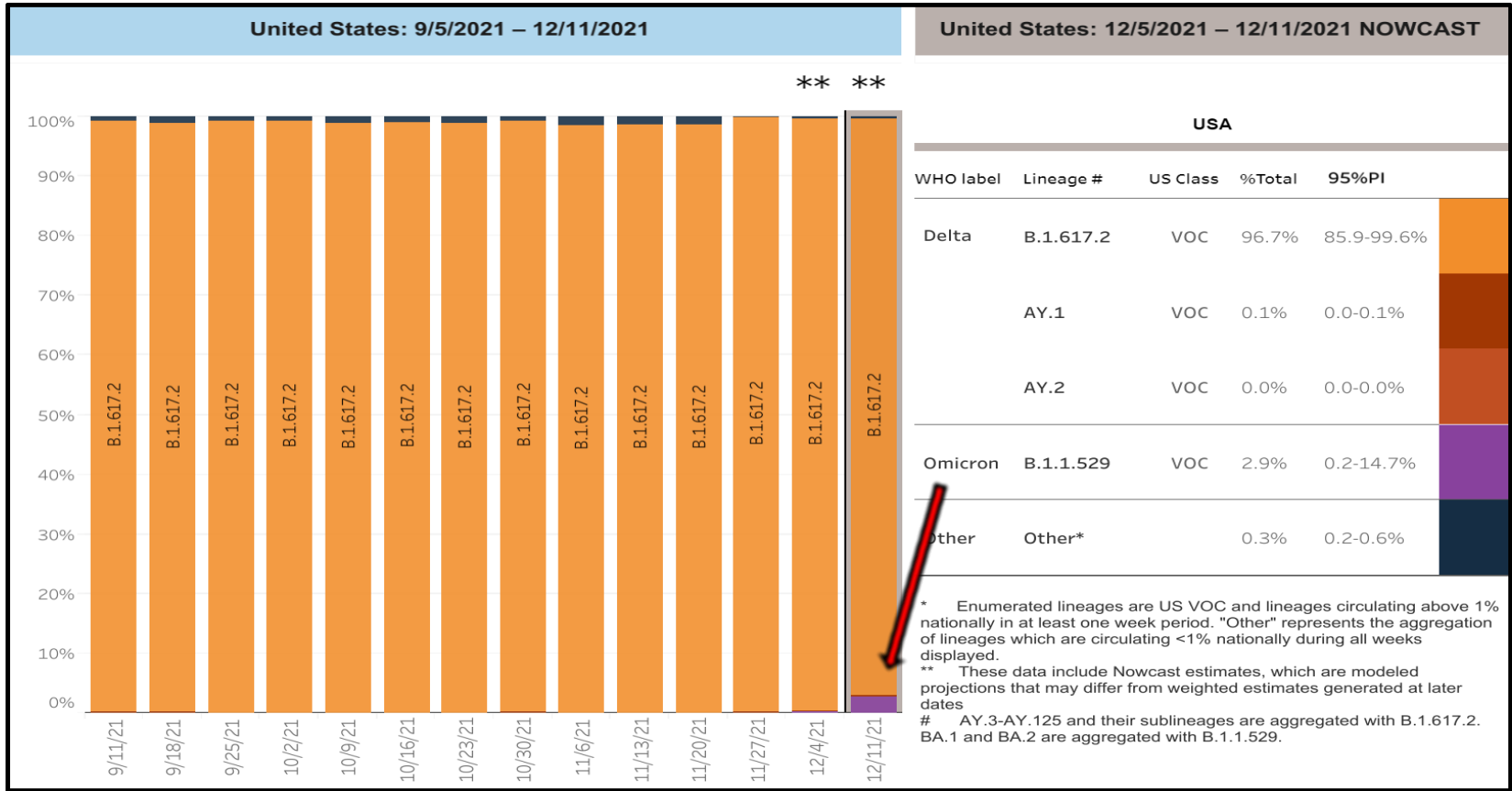
ACL SARS-CoV-2 positivity rate - **trends up**

# CDC- Daily COVID-19 cases in US – Dec 8, 2021



CDC SARS-CoV-2 positivity rate - **trends up**

# Dec 11, 2021 – SARS-CoV-2 circulating in the US (96.7% Delta ↓, 3% Omicron ↑)





## US vaccination status CDC | Data as of: Dec 8, 2021

477,433,765

Vaccines Administered

237,468,725

People who received at least one dose

200,717,387

People who are fully vaccinated\*

71.5%

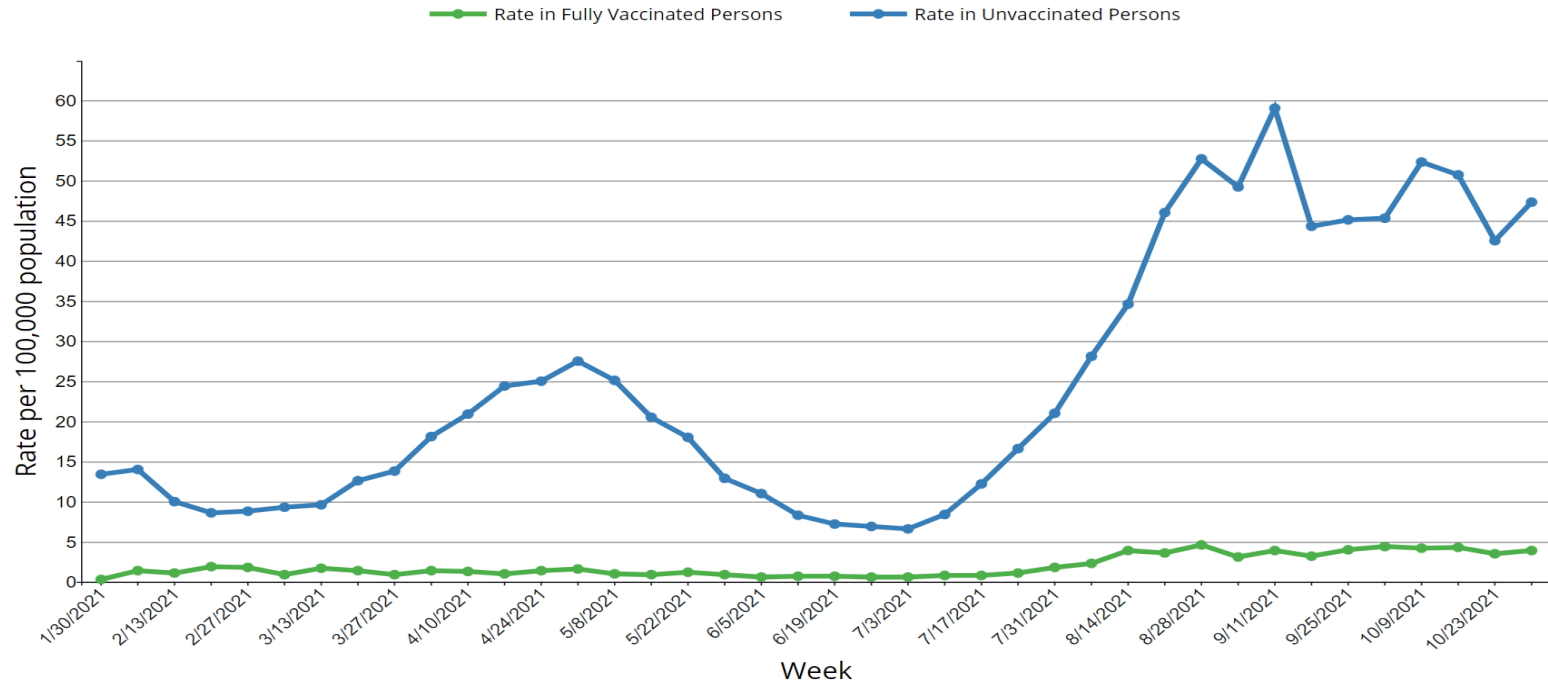
Percentage of the U.S. population that has received at least one dose

60.5%

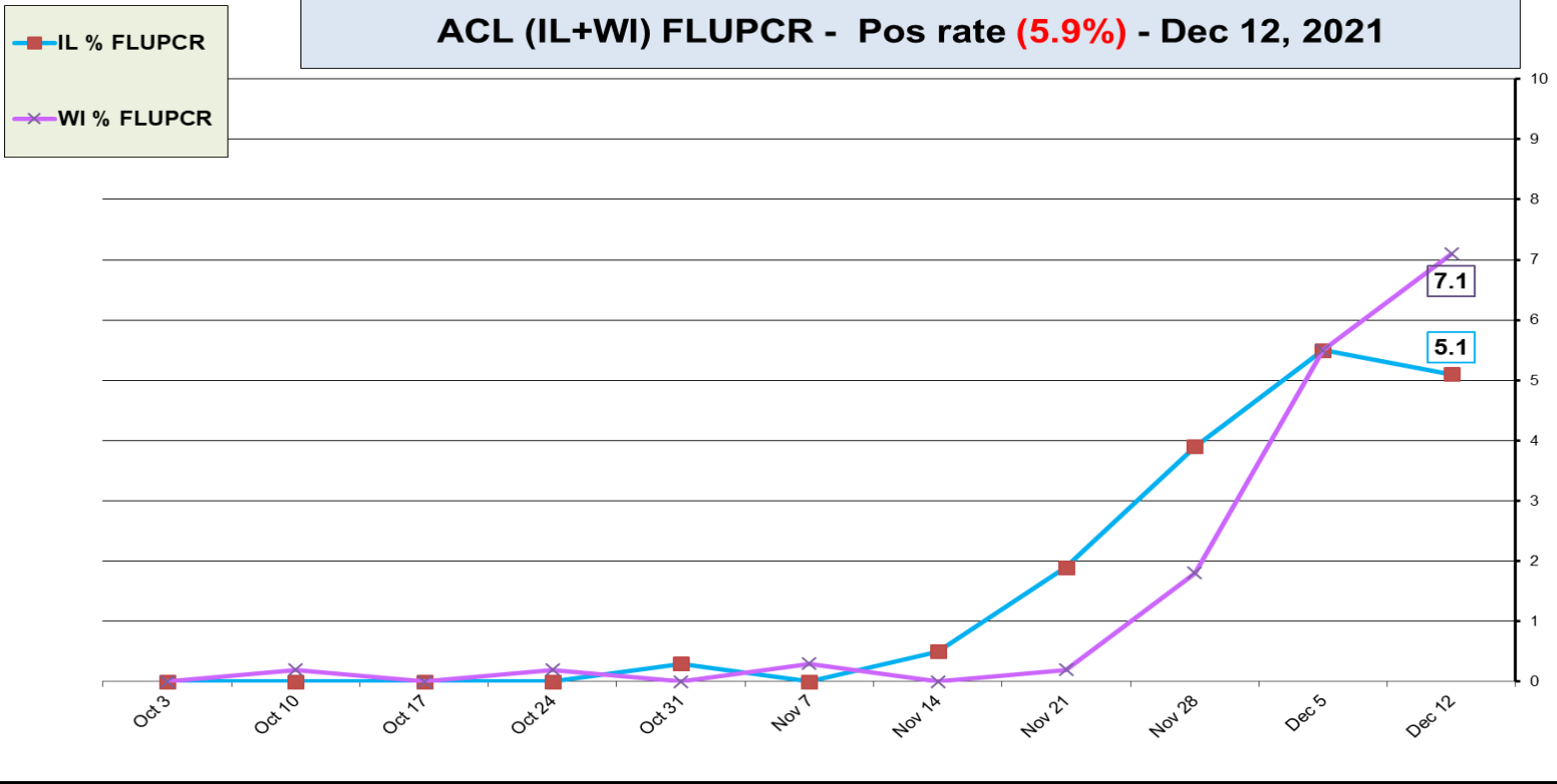
Percentage of the U.S. population that has been fully vaccinated\*

# US vaccination vs hospitalization status CDC | Data as of: Dec 8, 2021

## Age-Adjusted Rates of COVID-19-Associated Hospitalizations by Vaccine Status in Adults Aged $\geq 18$ Years, January–October 2021

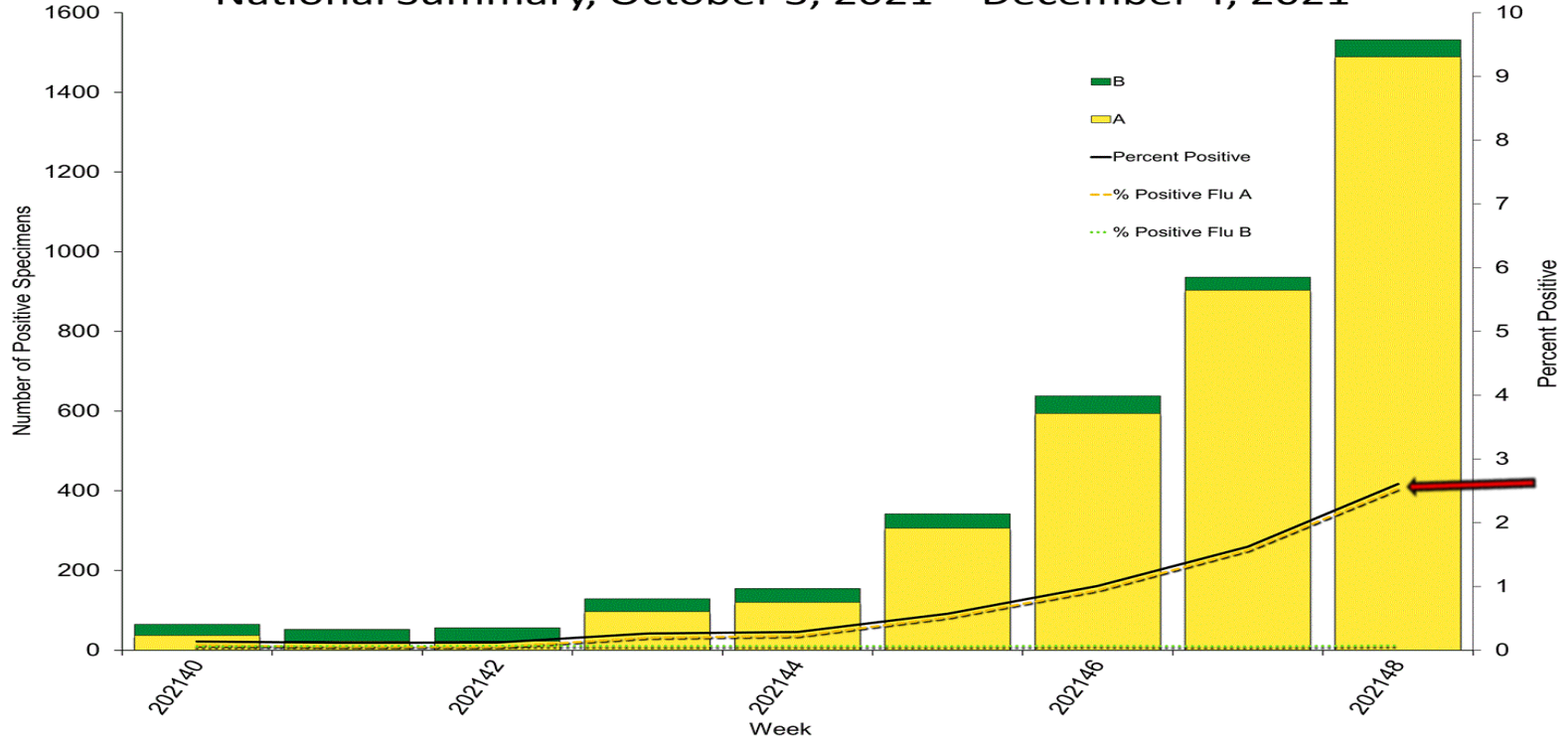


### ACL (IL+WI) FLUPCR - Pos rate (5.9%) - Dec 12, 2021



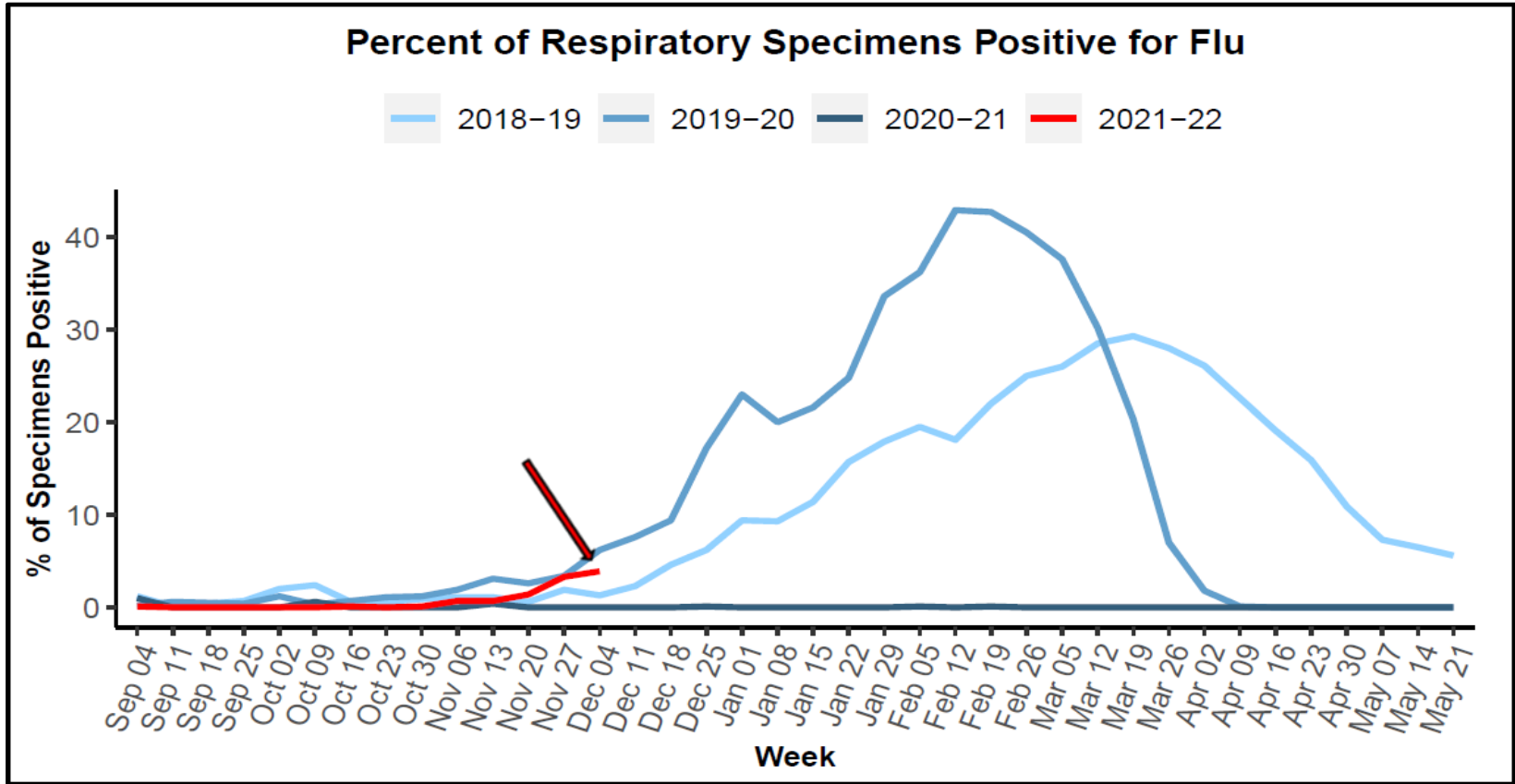
ACL Flu positivity rate – **trends up** (133 pos/2256 samples tested)

## Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 3, 2021 – December 4, 2021



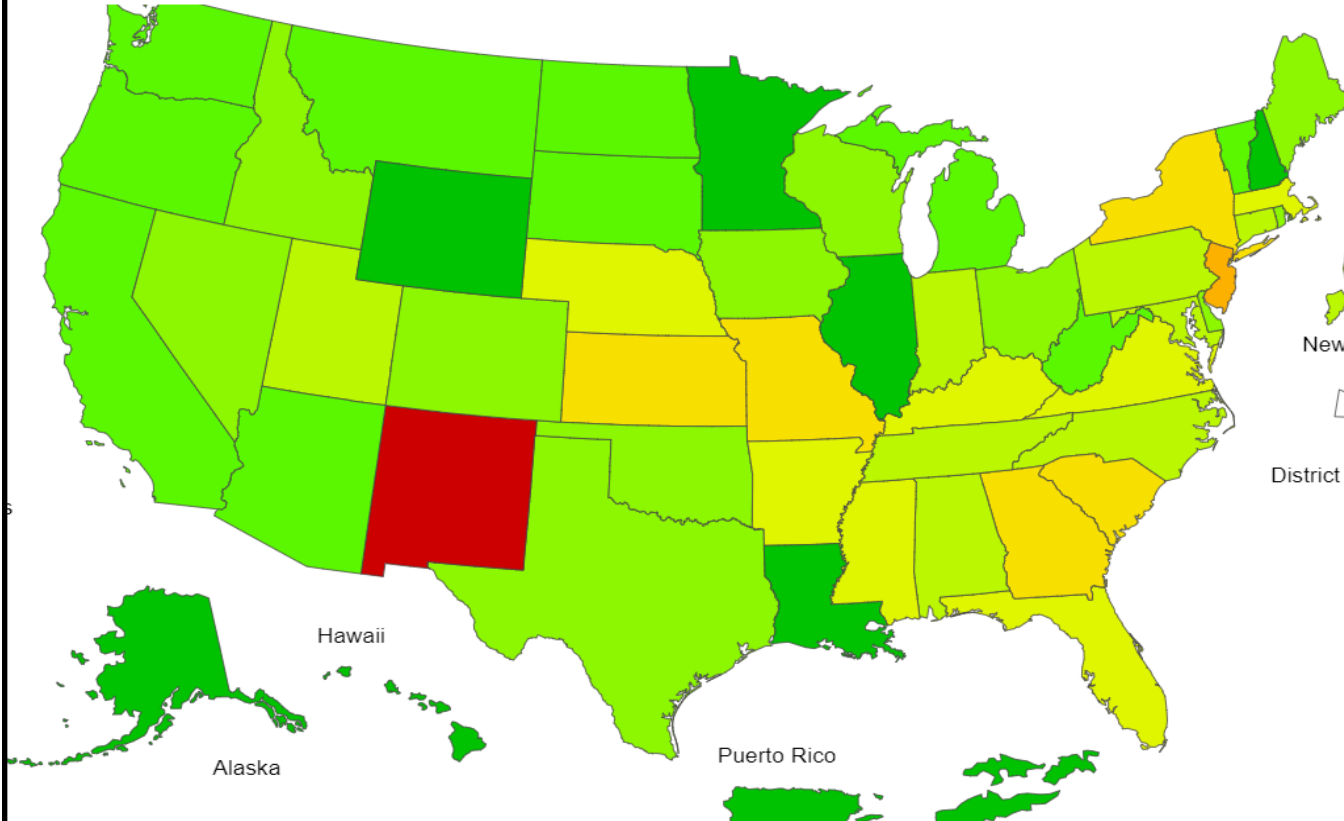
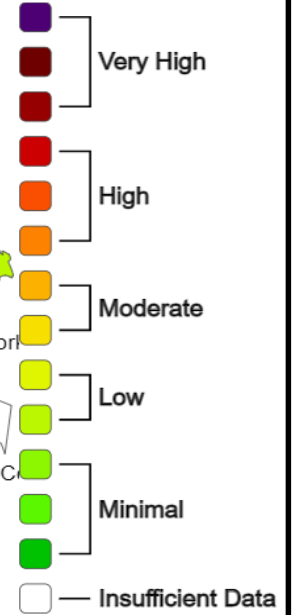
**CDC Flu positivity rate – trends up 2.6%**

# CDC Midwest data as of: Dec 4, 2021



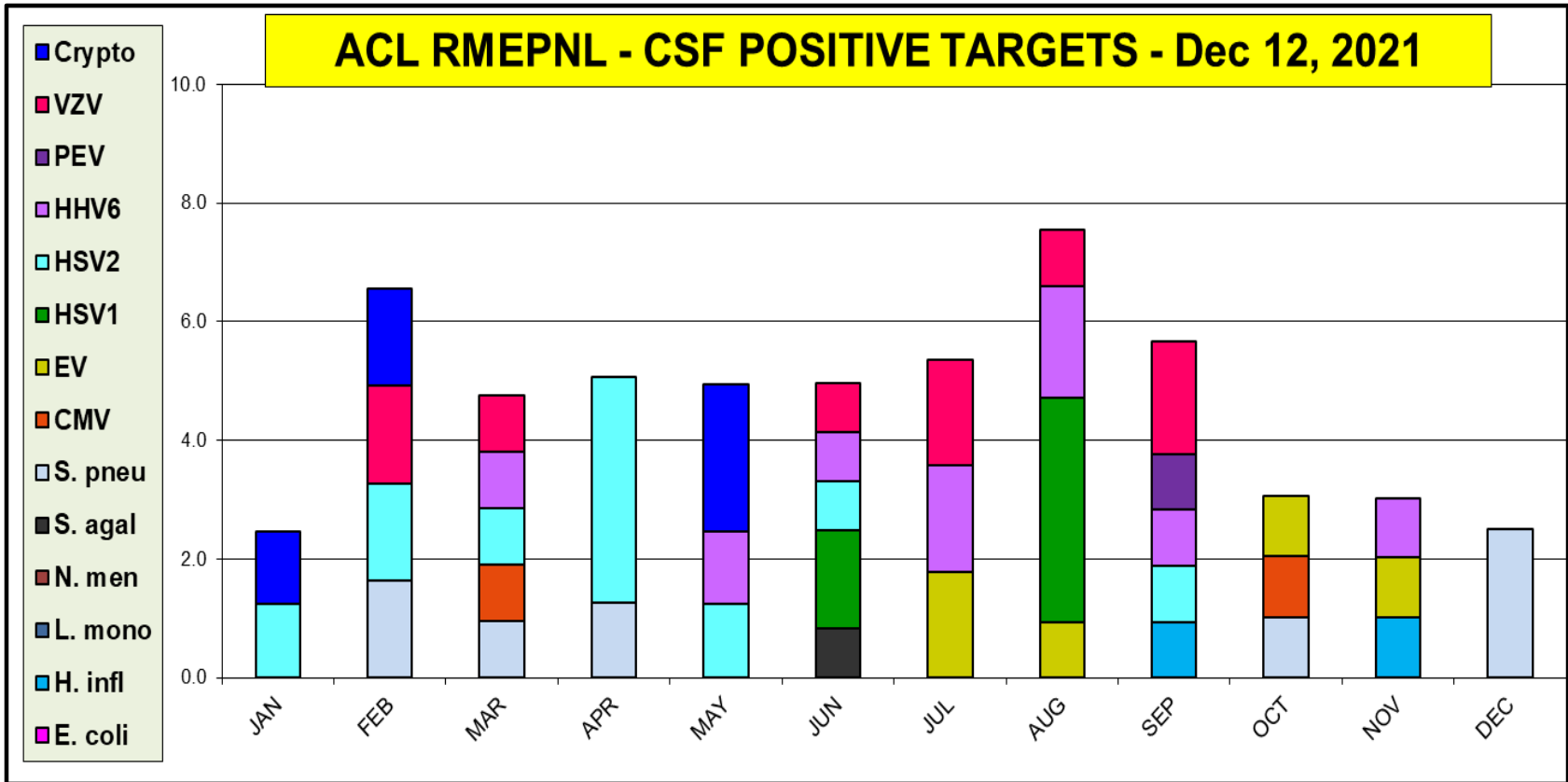
2021-22 Influenza Season Week 48 ending Dec 04, 2021

ILI Activity Level



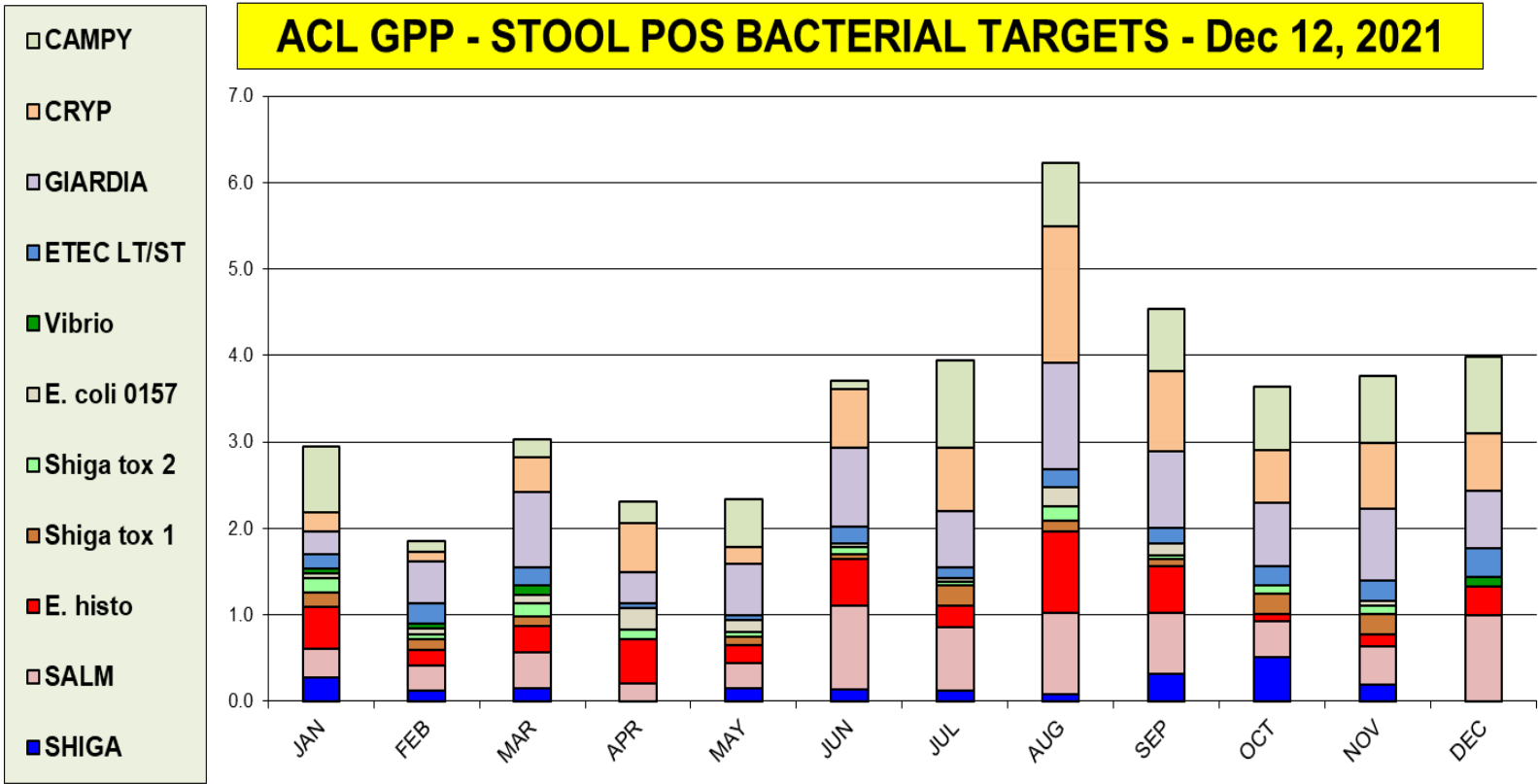
# CSF targets positivity rate is 2.5%

## ACL RMEPNL - CSF POSITIVE TARGETS - Dec 12, 2021



# The most prevalent GI bacterial target is - (Salmonella 1.0%)

## ACL GPP - STOOL POS BACTERIAL TARGETS - Dec 12, 2021





# The most prevalent GI viral target are – (Adeno, Noro – 0.4%)

