

ACL Laboratories COVID-19 and Influenza Activity Report

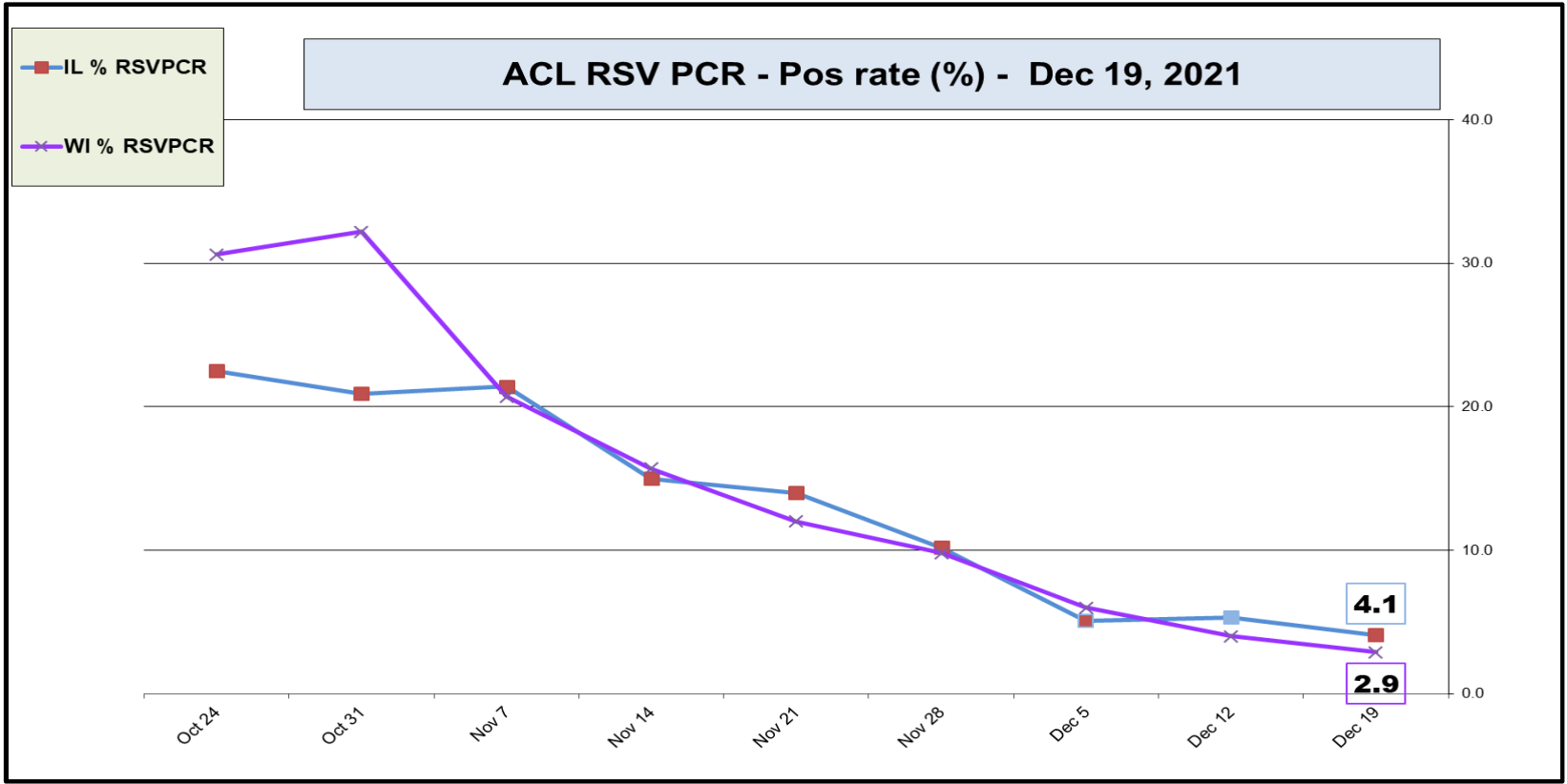
Updated: Dec 19, 2021



RESPIRATORY PATHOGEN PANEL Dec 19, 2021 Positivity Rate (%)

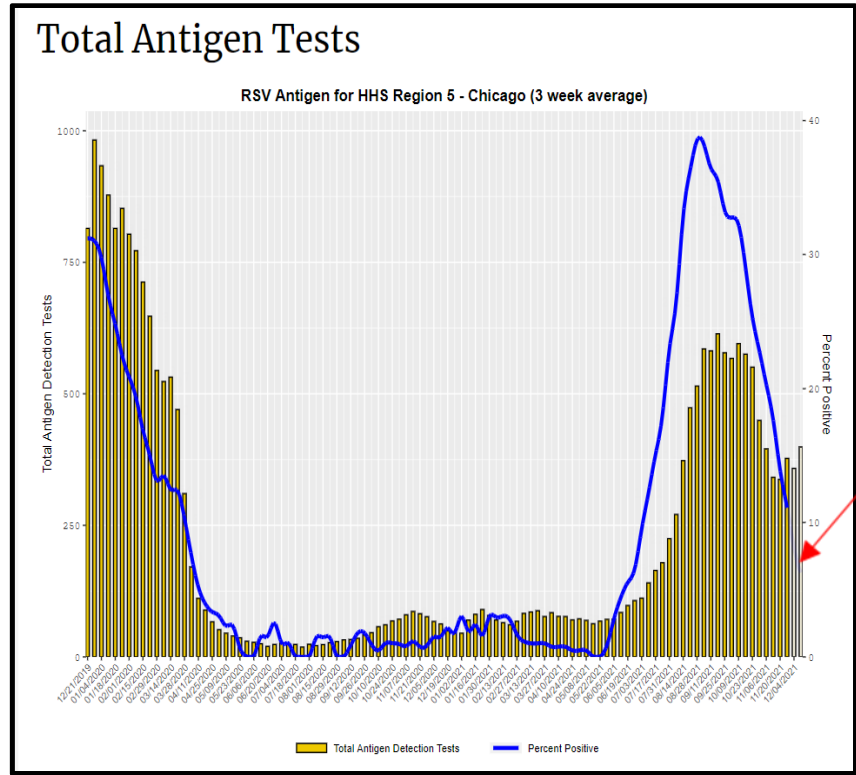
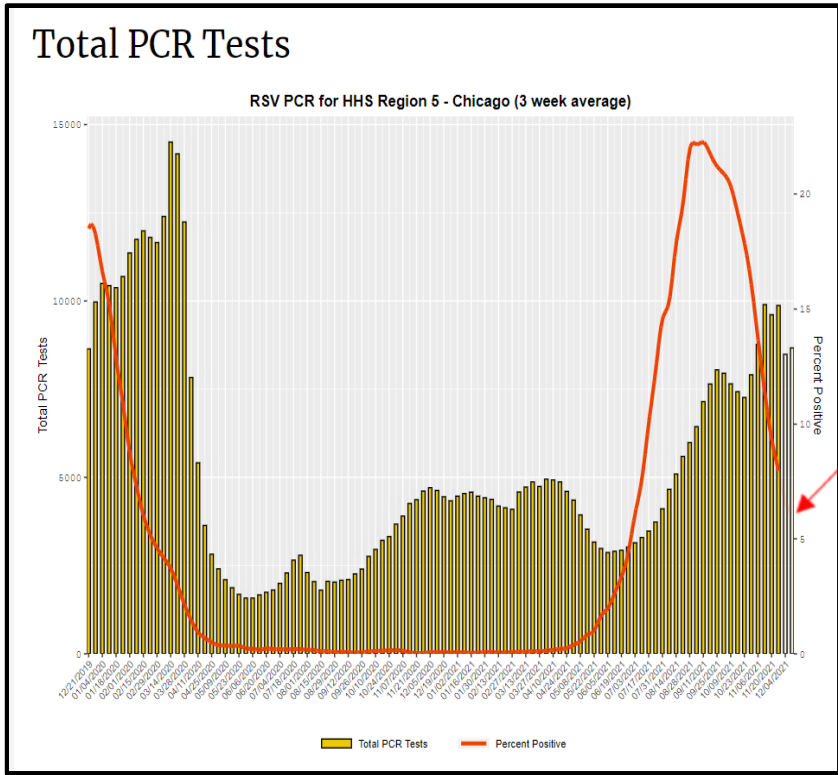
MONTH	FLU A	FLU A (H1N1)	2009 H1N1	FLU A H3N2	FLU B	RSV A/B	PARA 1	PARA 2	PARA 3	PARA 4	COR 229E	COR NL63	COR OC43	COR HKU1	META	E/R	Adeno	BOCA	Legio nella	Chlamydia	Mycoplasma
JAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.7	0.3	0.0	0.0	0.0
FEB	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	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	0.3	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	0.1	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	0.1	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	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	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	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	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	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	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	2.6	0.0	5.3	0.0	0.9	1.6	1.6	0.4	0.2	1.4	0.2	2.2	11.5	2.6	4.2	0.2	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 – 6%↓, Antigen - 6% ↓)

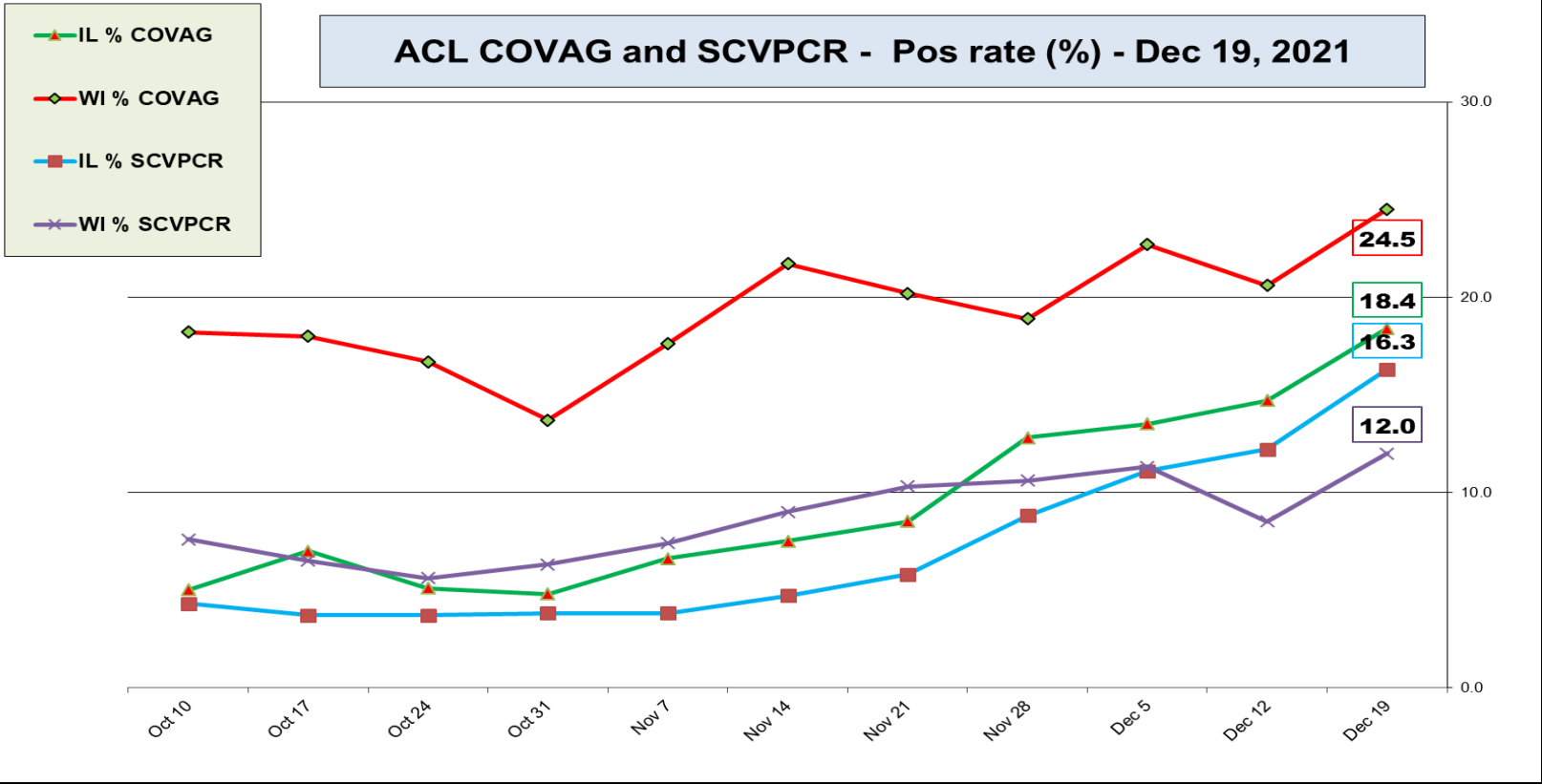


CDC RSV positivity rate - trends down

SARS-COV-2 ↑				Influenza PCR ↑		RSV PCR ↓		
Week	IL % SCVPCR	WI % SCVPCR	IL % COVAG	WI % COVAG	IL % FLUPCR	WI % FLUPCR	IL % RSVPCR	WI % RSVPCR
Dec 19	16.3	12.0	18.4	24.5	3.7	9.6	4.1	2.9
Dec 12	12.2	8.5	14.7	20.6	5.1	7.1	5.3	4.0
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

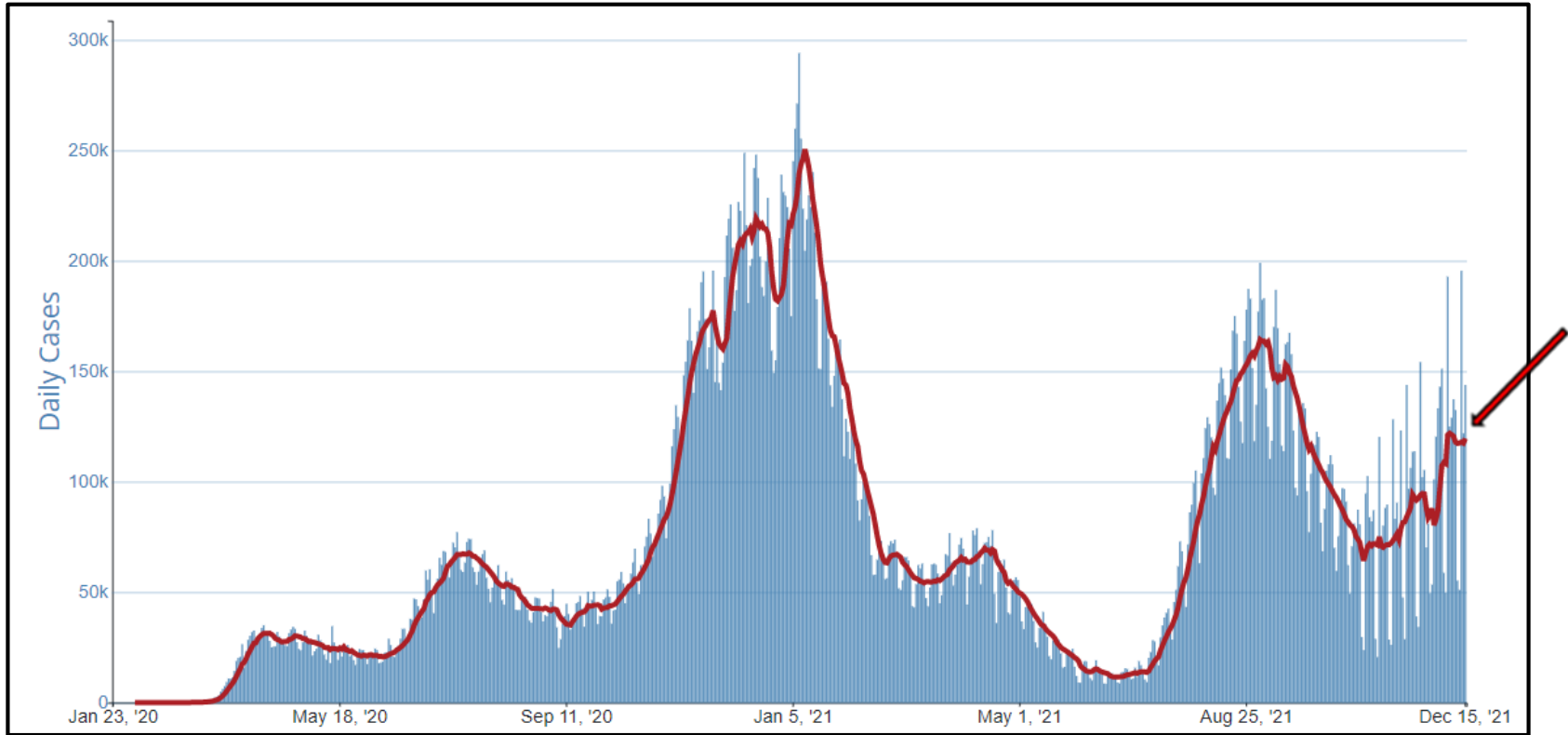
ACL SARS-CoV-2 and Flu PCR positivity rate - **trends up**

ACL COVAG and SCVPCR - Pos rate (%) - Dec 19, 2021



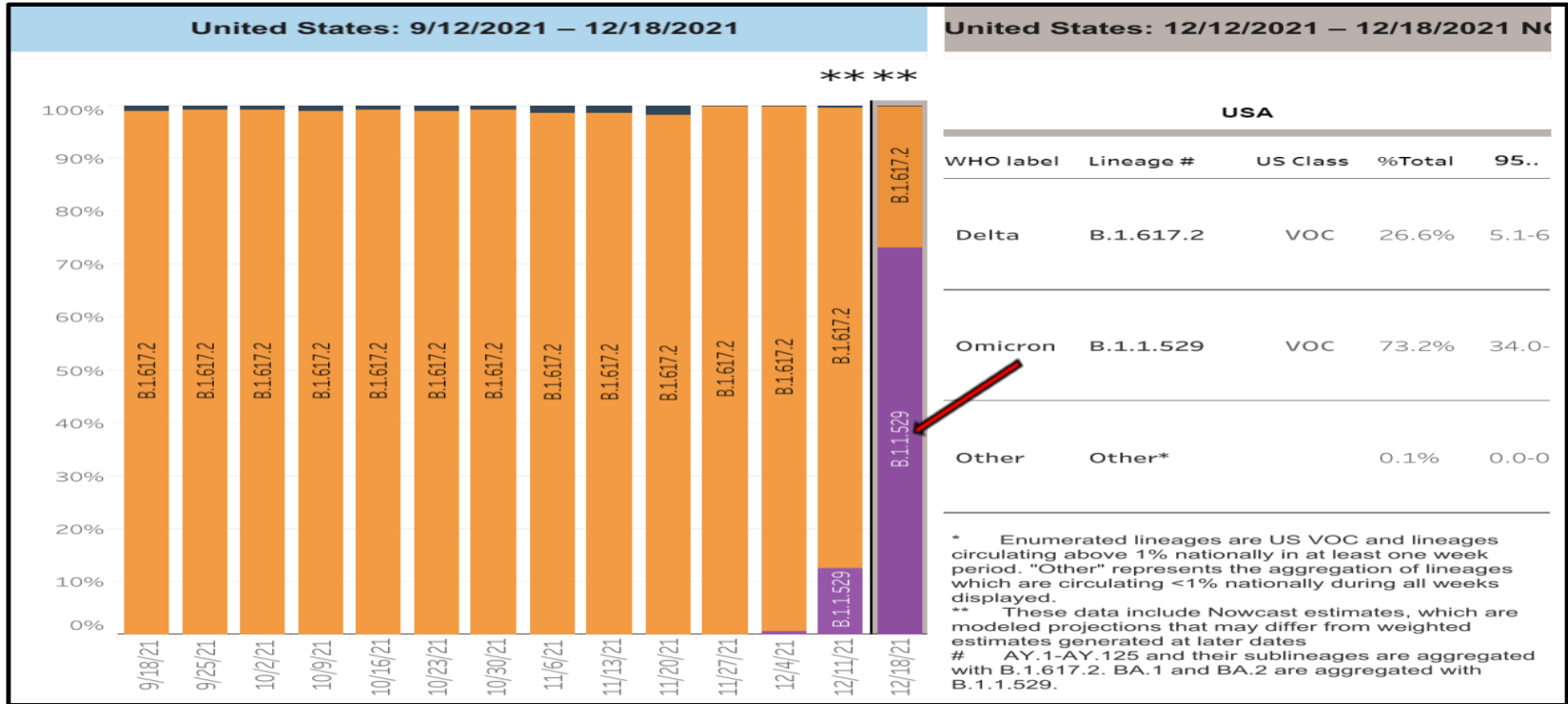
ACL SARS-CoV-2 positivity rate - trends up

CDC- Daily COVID-19 cases in US – Dec 15, 2021



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

Dec 18, 2021 – SARS-CoV-2 circulating in the US based on Nowcast modeling (26.7% Delta ↓, 73.2% Omicron ↑)



** CDC uses **Nowcast** model that estimates more recent proportions of circulating variants (actual sequencing data is typically delayed for 2-3 weeks).

US vaccination status CDC | Data as of: Dec 16, 2021

490,030,849

Vaccines Administered

240,321,022

People who received at least one dose

203,159,327

People who are fully vaccinated*

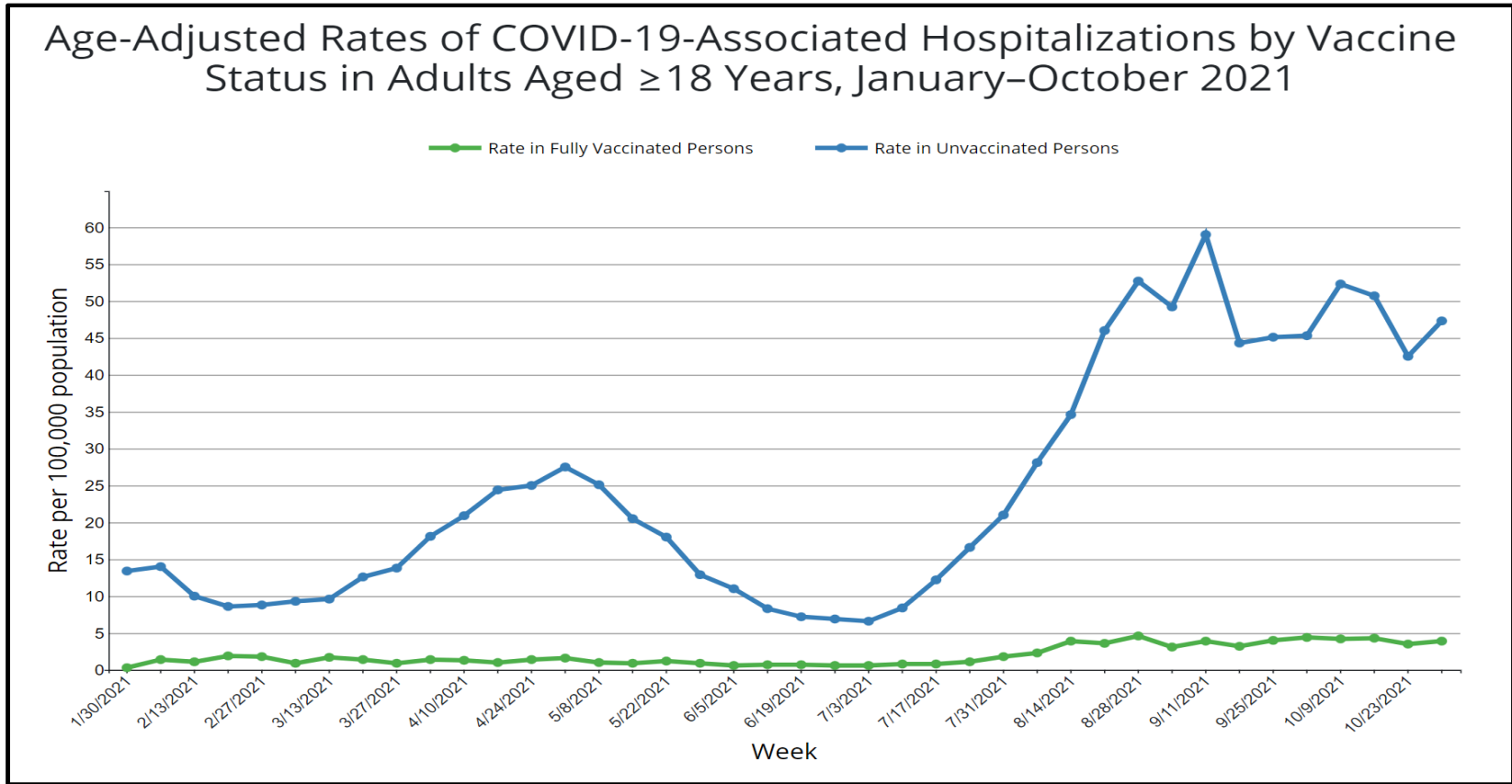
72.4%

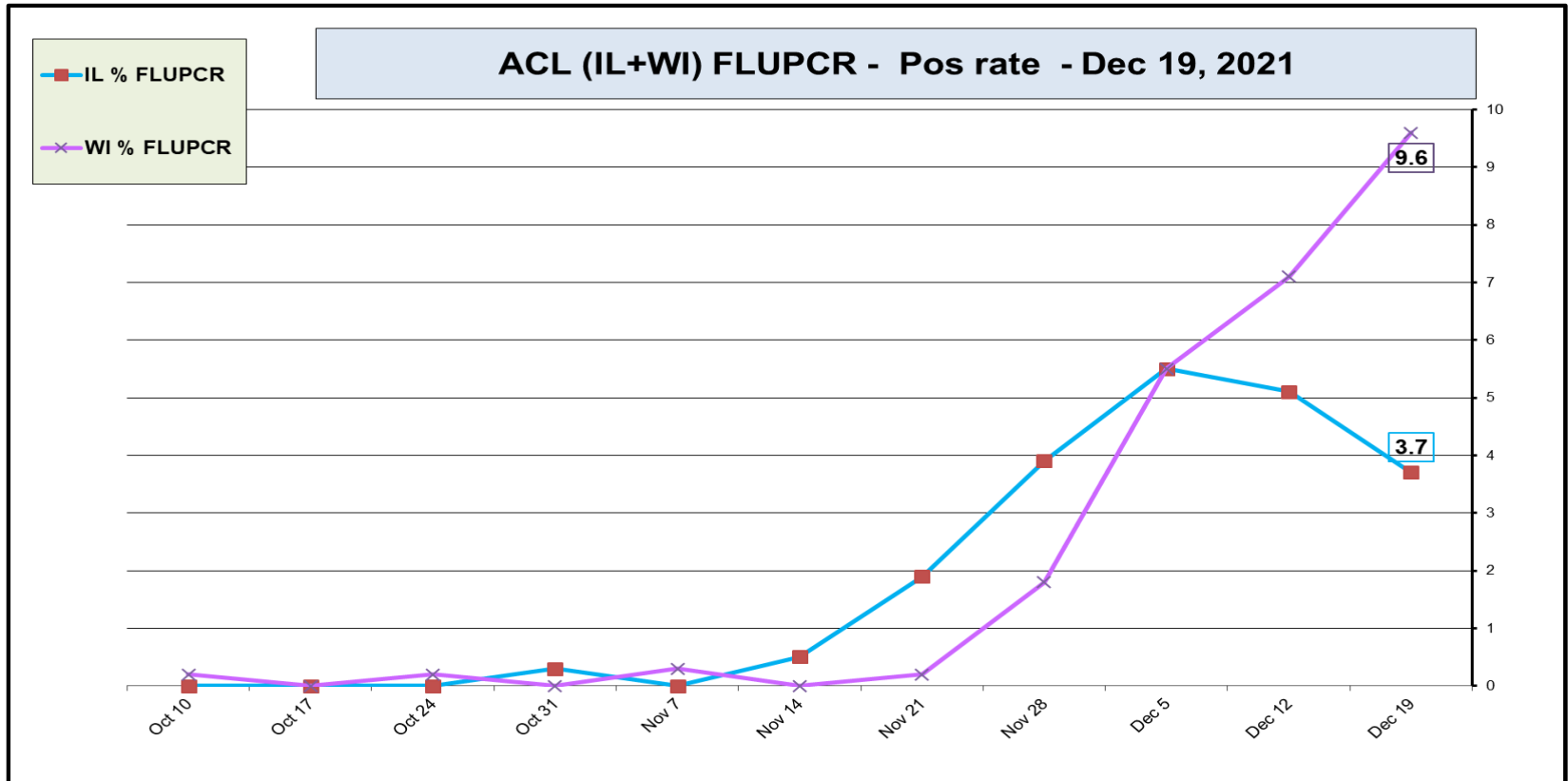
Percentage of the U.S. population that has received at least one dose

61.2%

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

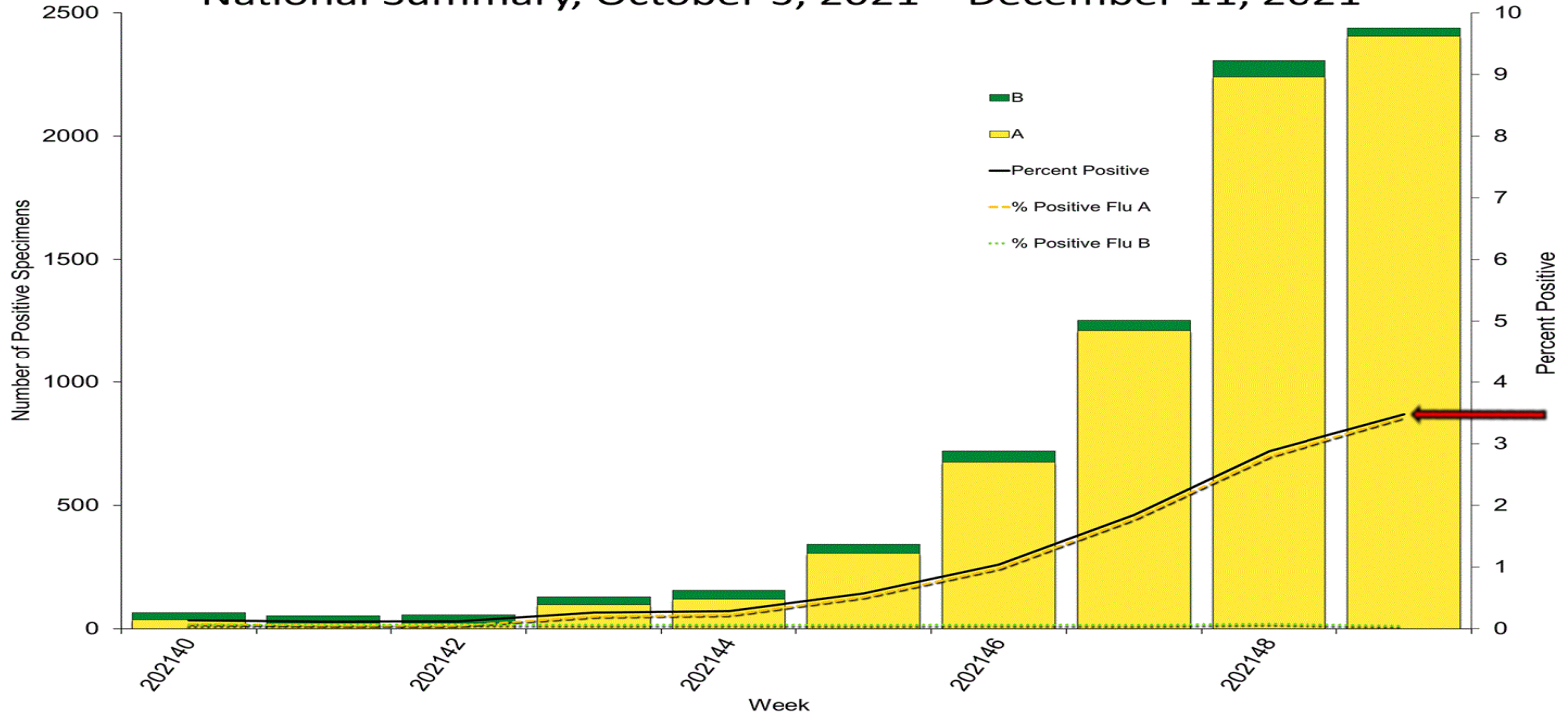
US vaccination vs hospitalization status CDC | Data as of: Dec 8, 2021





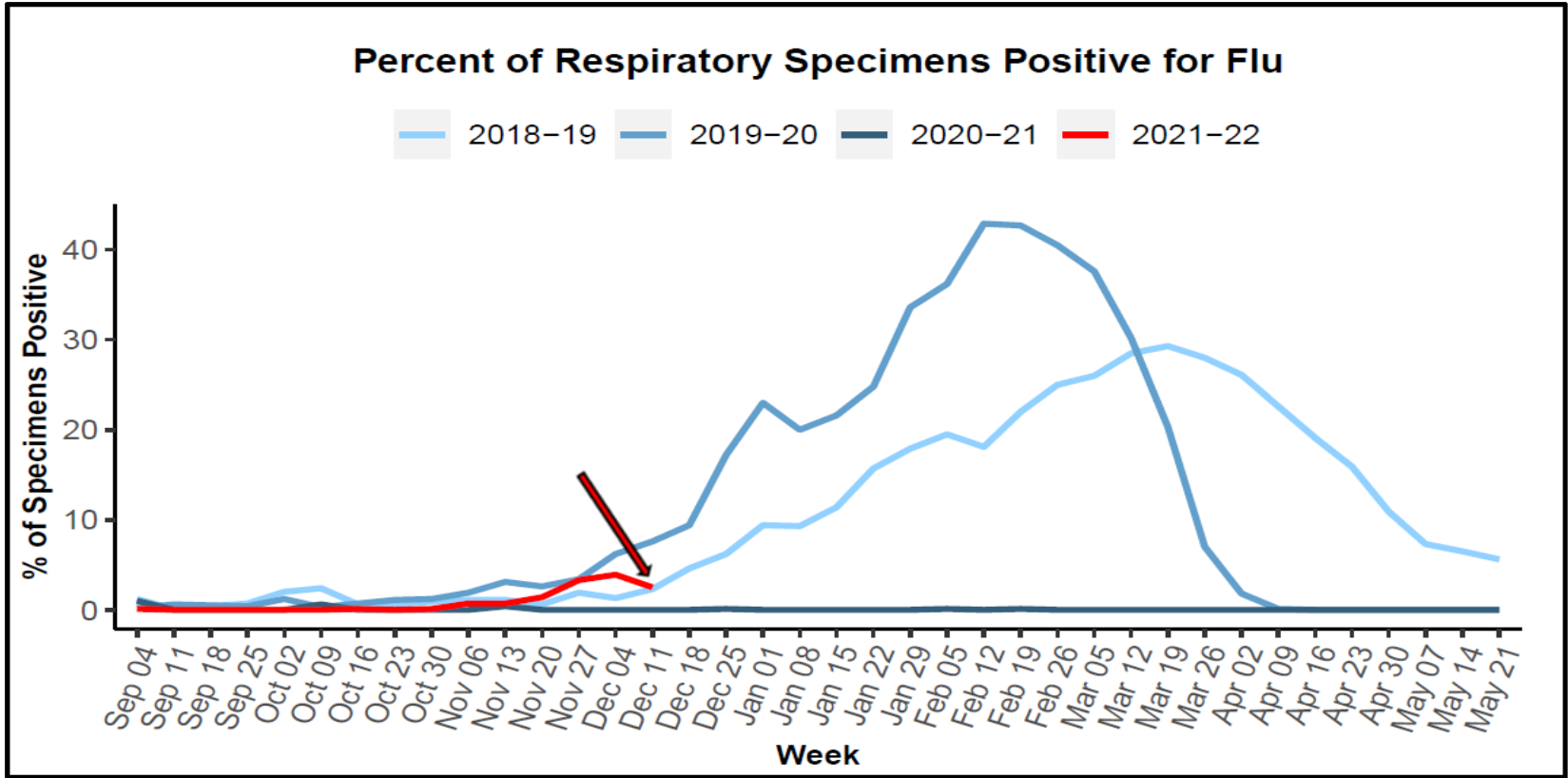
ACL Flu positivity rate – **trends up** (179 Flu pos/2976 samples tested)

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 3, 2021 – December 11, 2021



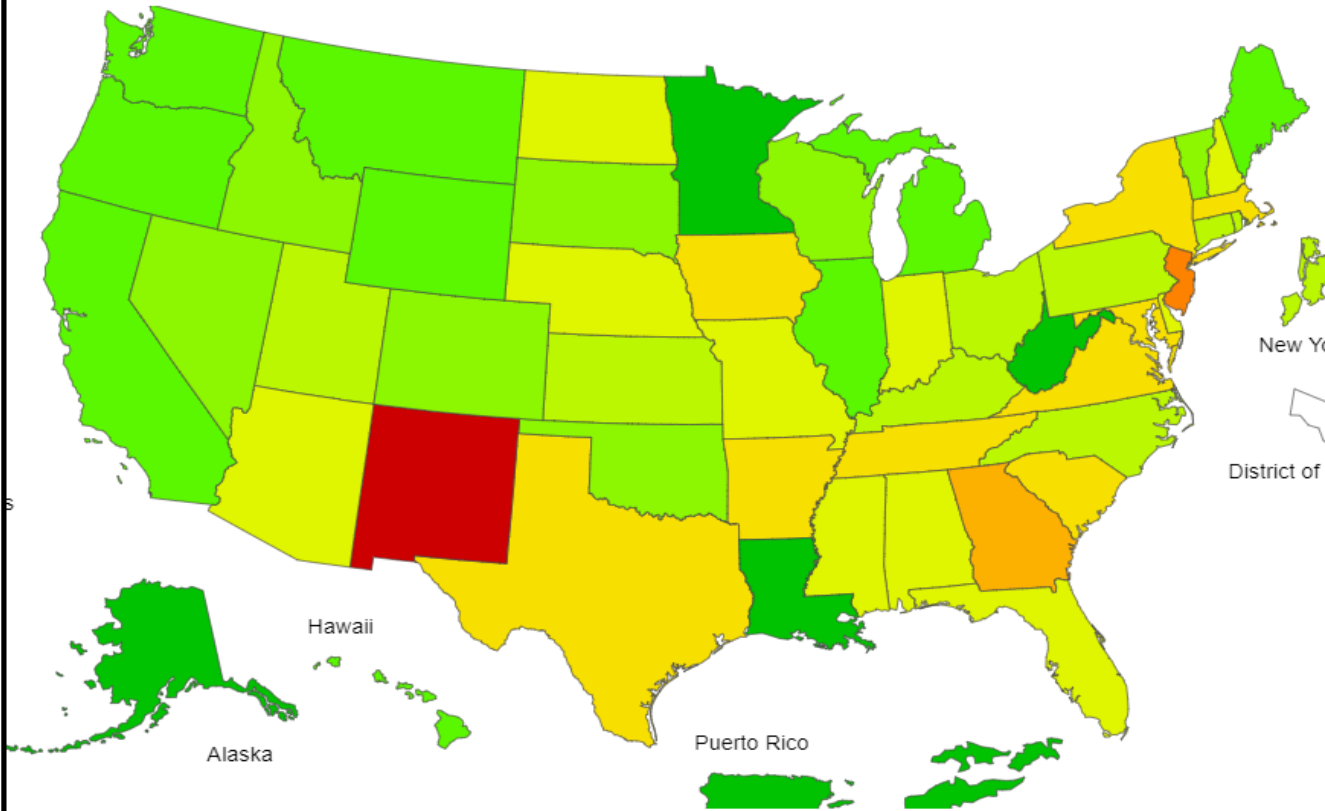
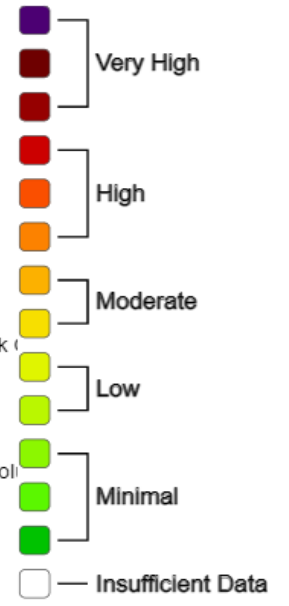
CDC Flu positivity rate – trends up 3.5%

CDC Midwest data as of: Dec 11, 2021

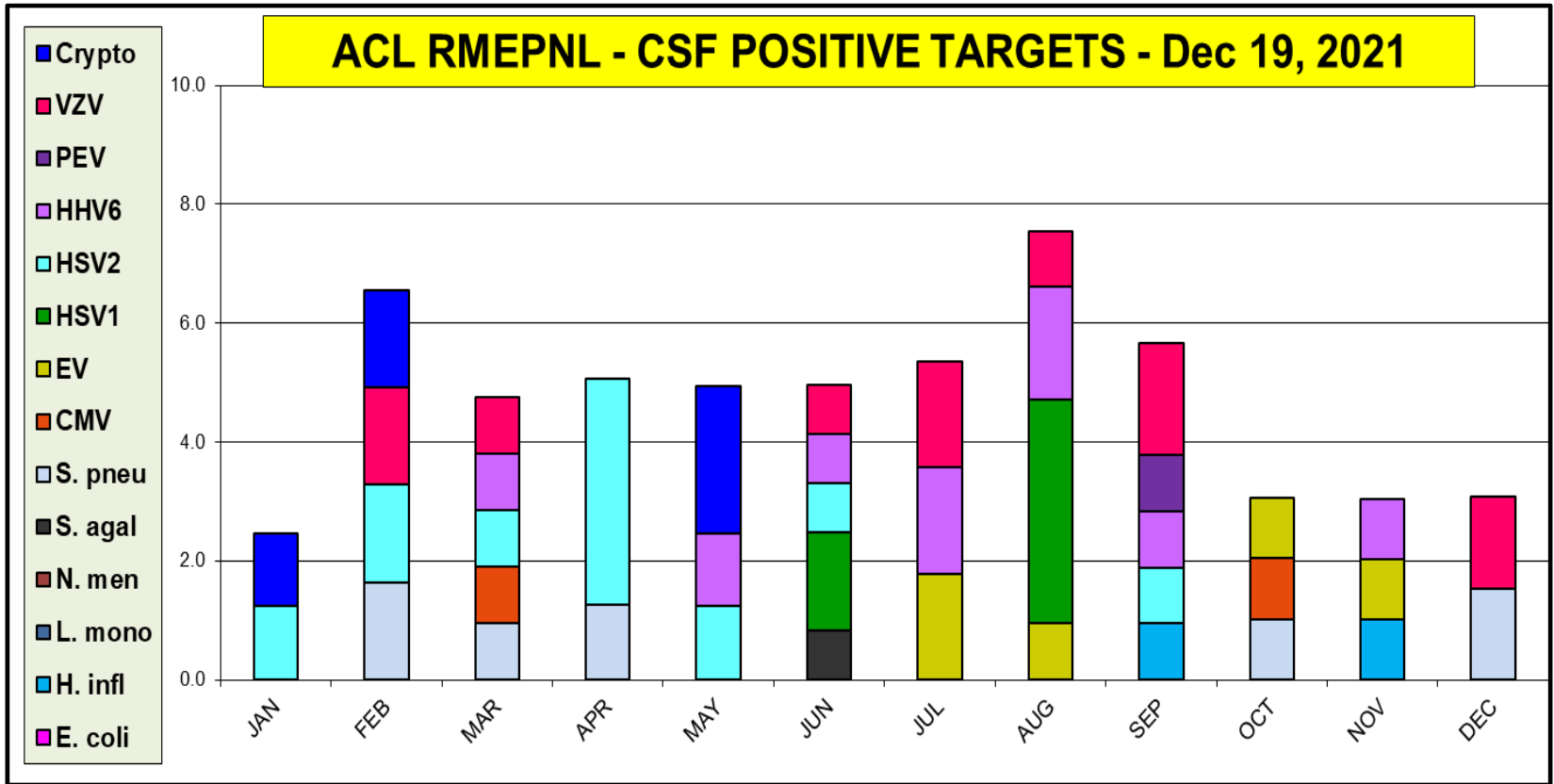


2021-22 Influenza Season Week 49 ending Dec 11, 2021

ILI Activity Level

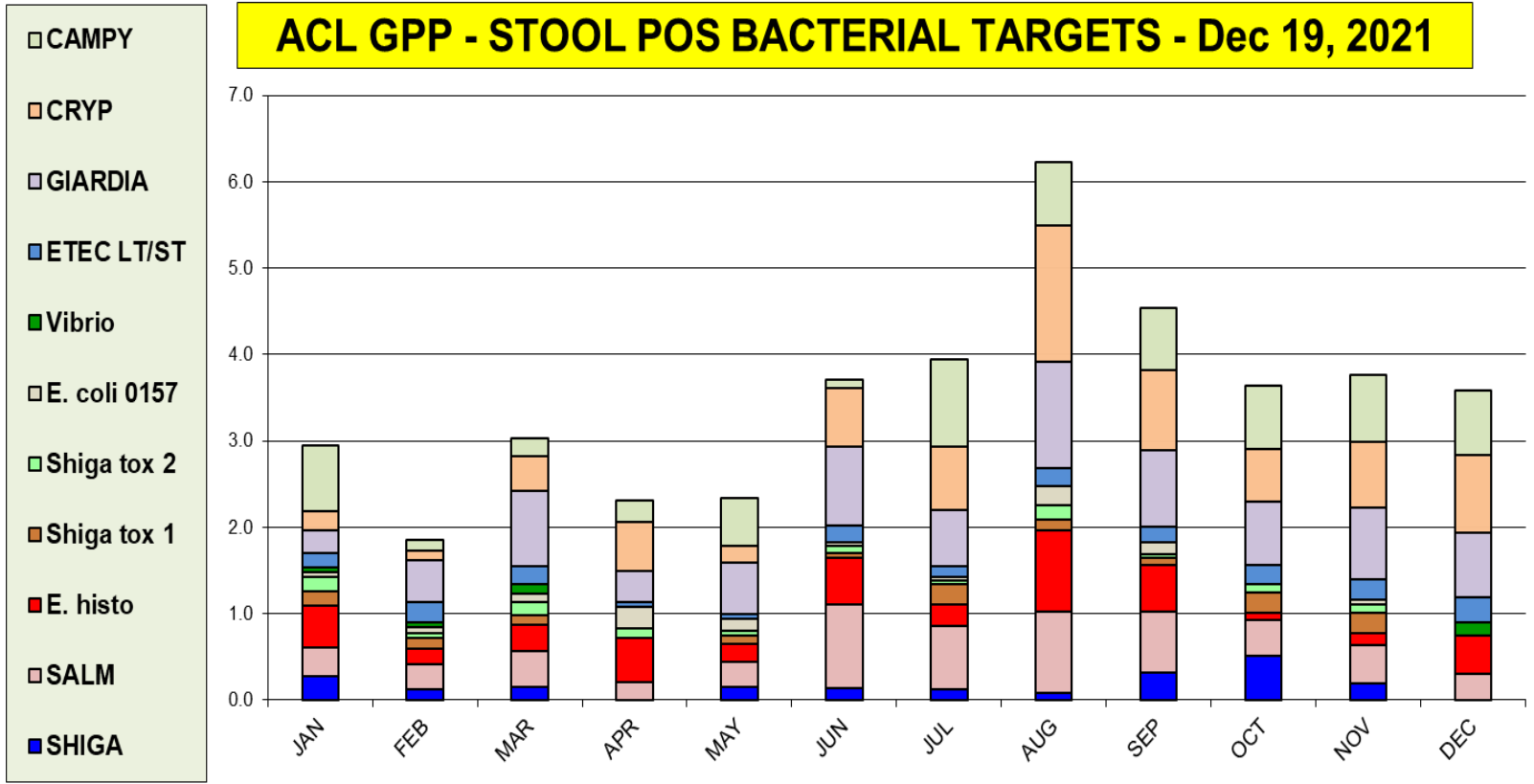


CSF targets positivity rate is 3.1%



The most prevalent GI bacterial target is - (Cryptosporidium 0.9%)

ACL GPP - STOOL POS BACTERIAL TARGETS - Dec 19, 2021



The most prevalent GI viral target are – (Rotavirus– 0.6%)

