

# ACL Laboratories COVID-19 and Influenza Activity Report

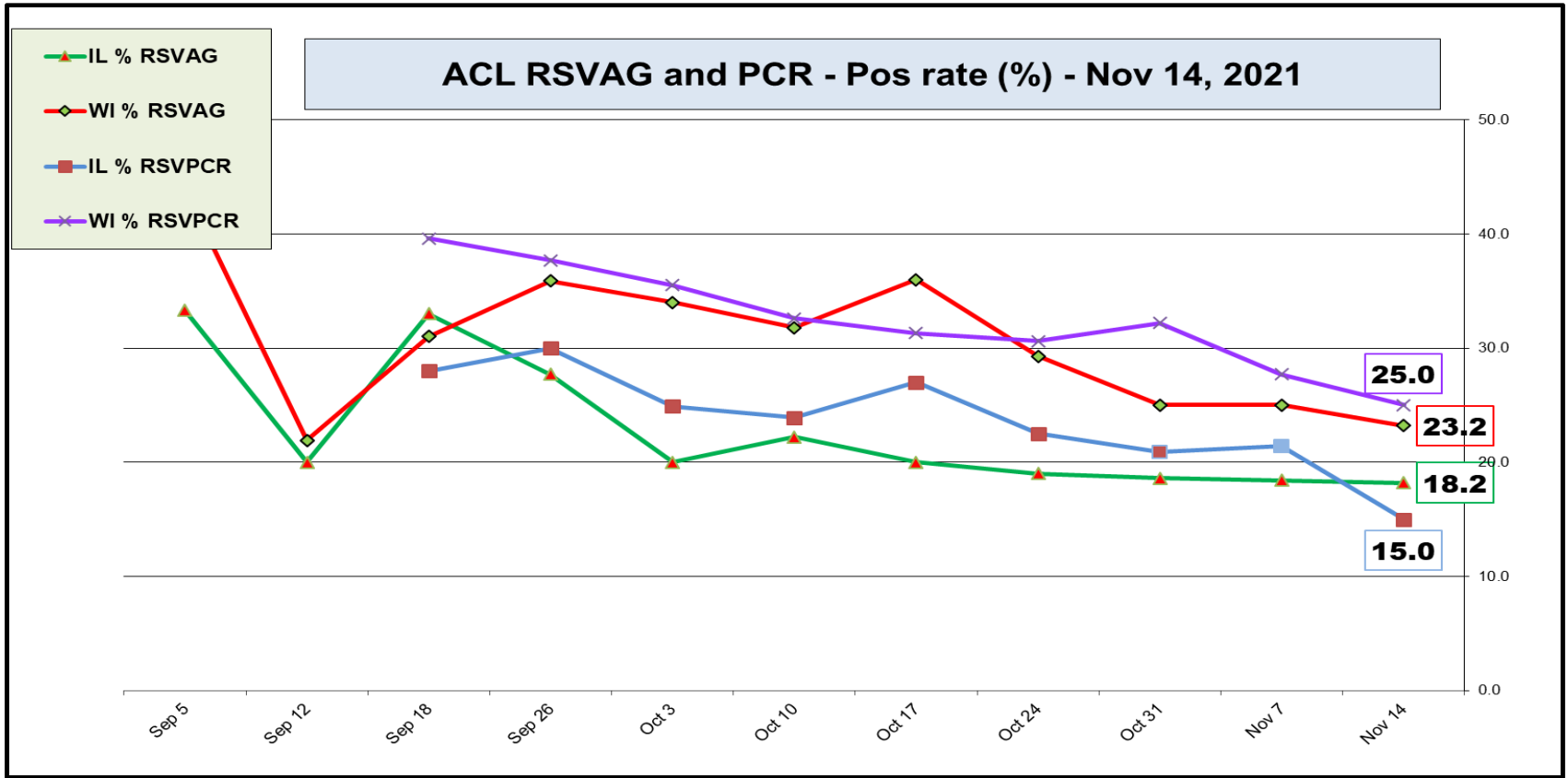
Updated: Nov 21, 2021



## RESPIRATORY PATHOGEN PANEL Nov 21, 2021 Positivity Rate (%)

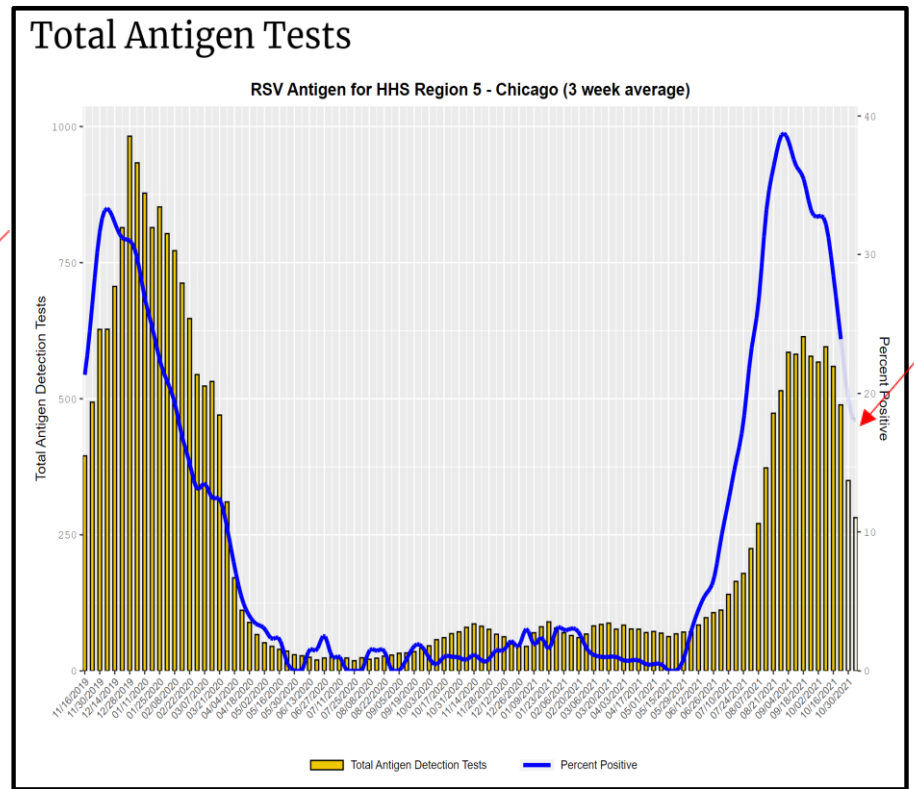
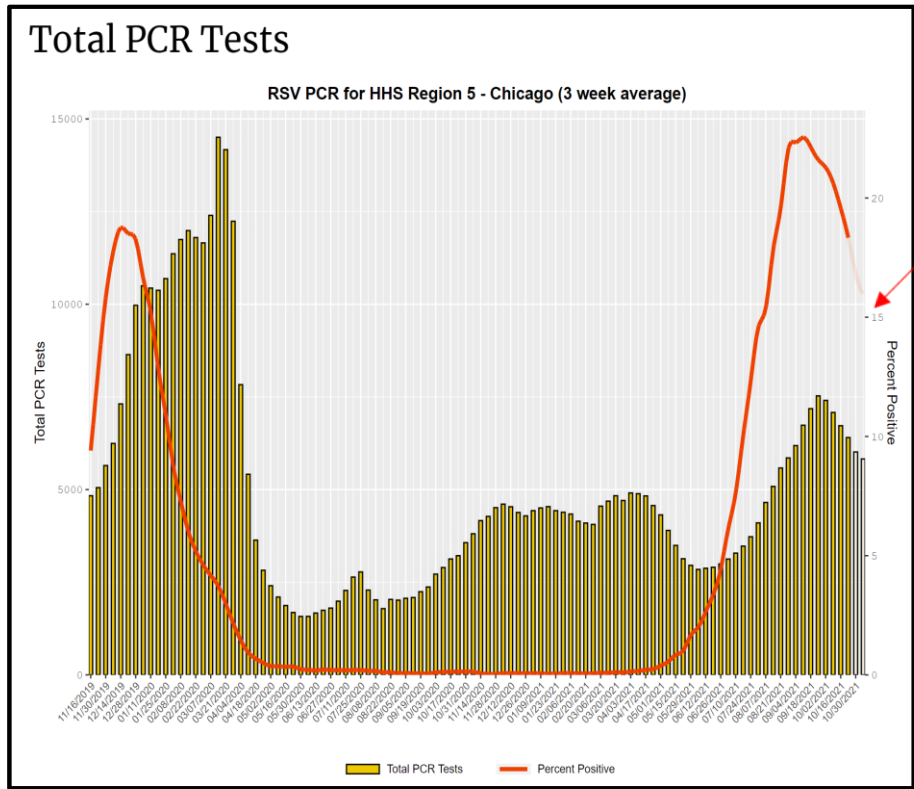
MONTH	FLU A Total	FLU A (H1N1)	2009 (H1N1)	FLU A (H3N2)	FLU B	RSV A	RSV B	RSV Total	PARA 1	PARA 2	PARA 3	PARA 4	Corona 229E	Corona NL63	Corona OC43	Corona HKU1	Meta pneumo	Entero Rhino	ADENO	BOCA	Legio nella	Chla mydia	Mycoplasma
JAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.1	0.1	0.0	0.2	7.5	7.7	0.0	1.7	0.9	1.3	0.2	0.0	0.6	0.0	0.7	19.8	1.1	3.9	0.1	0.0	0.0
DEC																							

Increased prevalence of viruses: **Rhinovirus, RSV, Boca virus and Parainfluenza type 2 and 4**



ACL RSV positivity rate - trends down

# CDC Data RSV pos rate for Region 5 Chicago - (PCR – 15%↓, Antigen - 18% ↓)

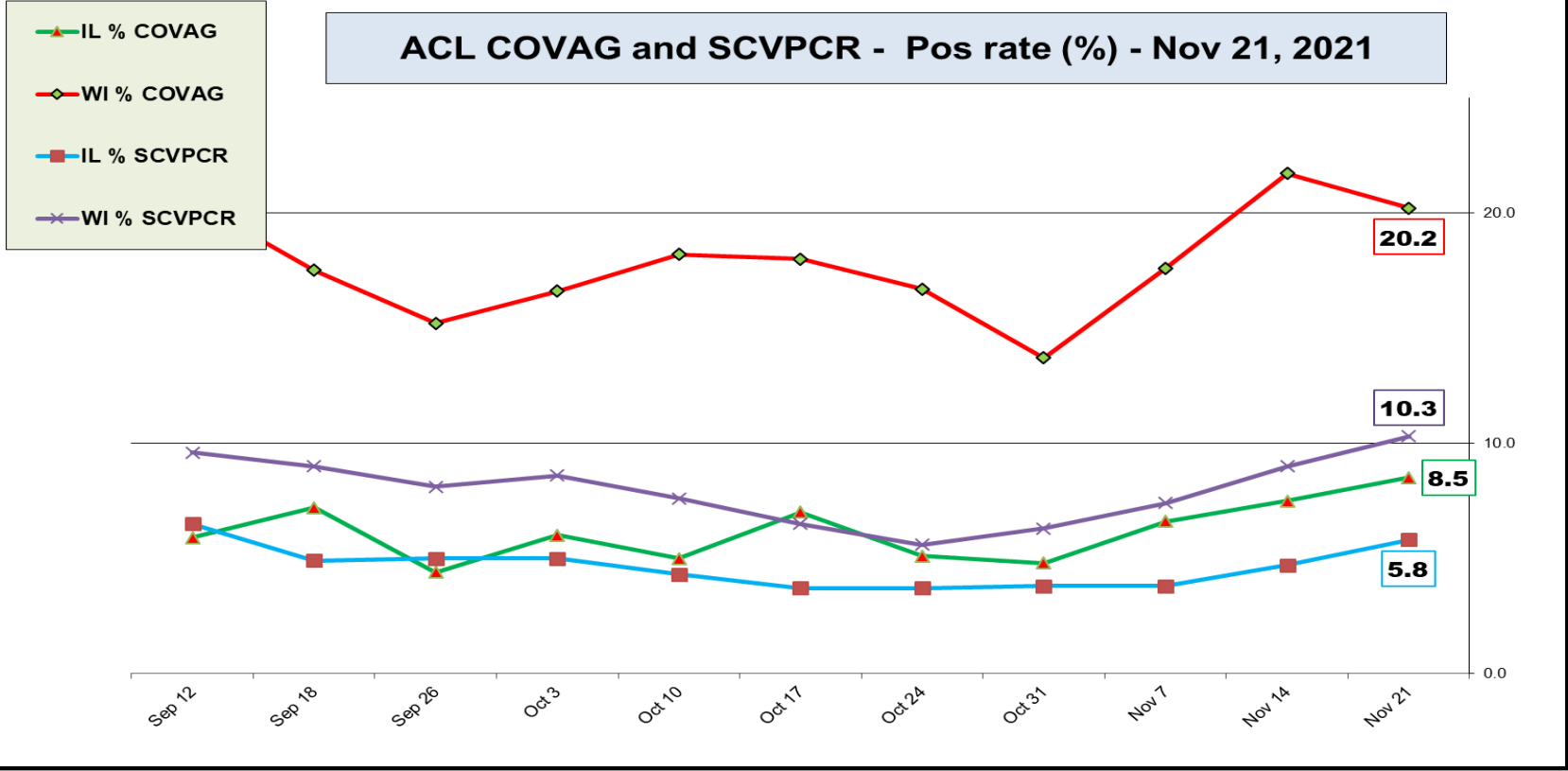


CDC RSV positivity rate - trends down

SARS-COV-2					Influenza		RSV (Antigen+PCR)			
Week	IL % SCVPCR	WI % SCVPCR	IL % COVAG	WI % COVAG	IL % FLUPCR	WI % FLUPCR	IL % RSVAG	WI % RSVAG	IL % RSVPCR	WI % RSVPCR
<b>Nov 21</b>	<b>5.8</b>	<b>10.3</b>	<b>8.5</b>	<b>20.2</b>	<b>1.9</b>	<b>0.2</b>	<b>15.0</b>	<b>16.7</b>	<b>14.0</b>	<b>12.0</b>
Nov 14	4.7	9.0	7.5	21.7	0.5	0	18.2	23.2	15.0	15.7
Nov 7	3.8	7.4	6.6	17.6	0	0.3	18.4	25.0	21.4	20.7
Oct 31	3.8	6.3	4.8	13.7	0.3	0	18.6	25.0	20.9	32.2
Oct 24	3.7	5.6	5.1	16.7	0	0.2	19.0	29.3	22.5	30.6
Oct 17	3.7	6.5	7.0	18.0	0	0	20.0	36.0	27.0	31.3
Oct 10	4.3	7.6	5.0	18.2	0	0.2	22.2	31.8	23.9	32.6
Oct 3	5.0	8.6	6.0	16.6	0	0	20.0	34.0	24.9	35.5
Sep 26	5.0	8.1	4.4	15.2	0	0	27.7	35.9	30.0	37.7
Sep 18	4.9	9.0	7.2	17.5	0	0	33.0	31.0	28.0	39.6
Sep 12	6.5	9.6	5.9	20.5	0	0	20.0	21.9	41.6	43.7
Sep 5	6.2	8.3	7.0	22.4	0	0	33.3	43.9	38.1	40.5

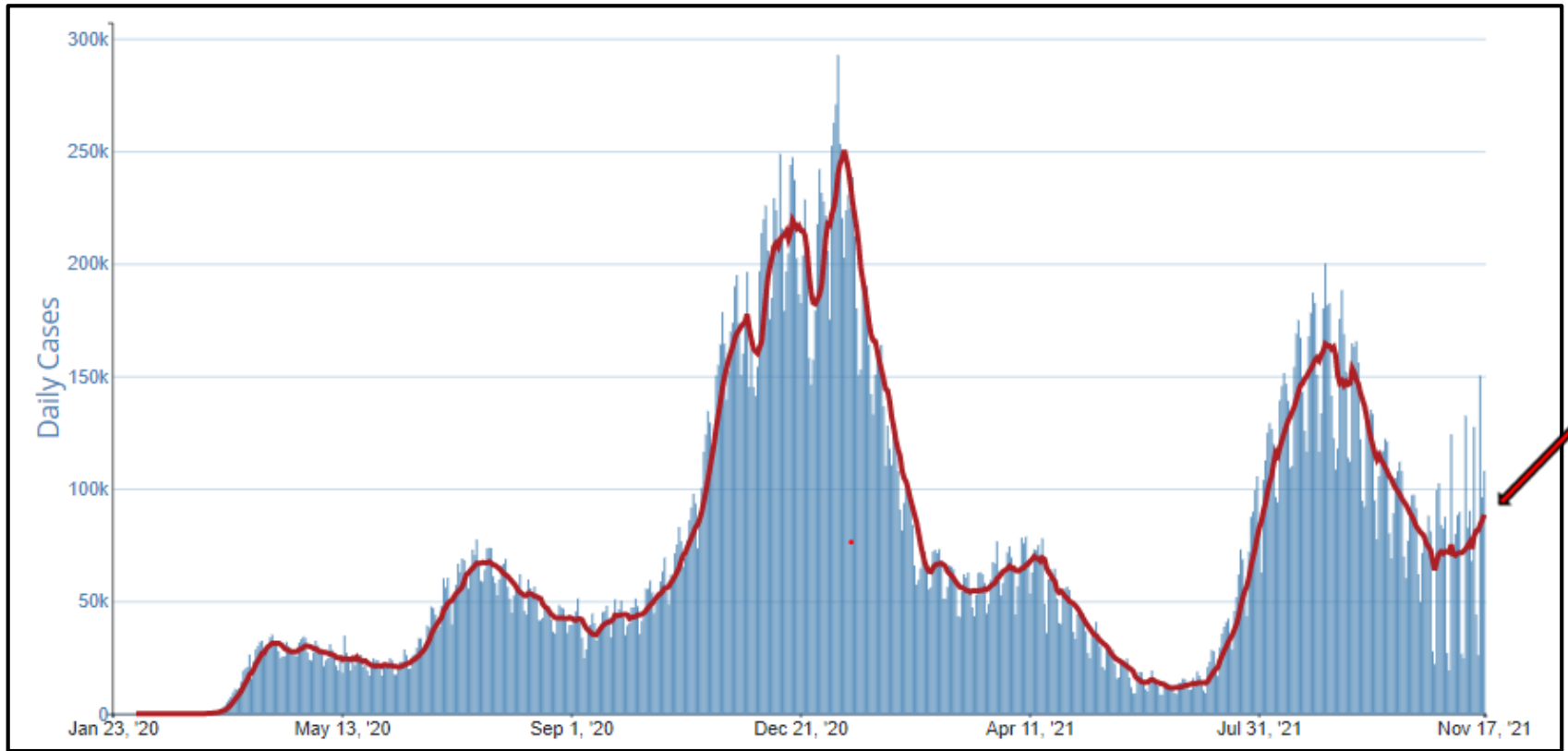
**ACL Flu PCR tests results are consistent with beginning of “Flu season”**

### ACL COVAG and SCVPCR - Pos rate (%) - Nov 21, 2021



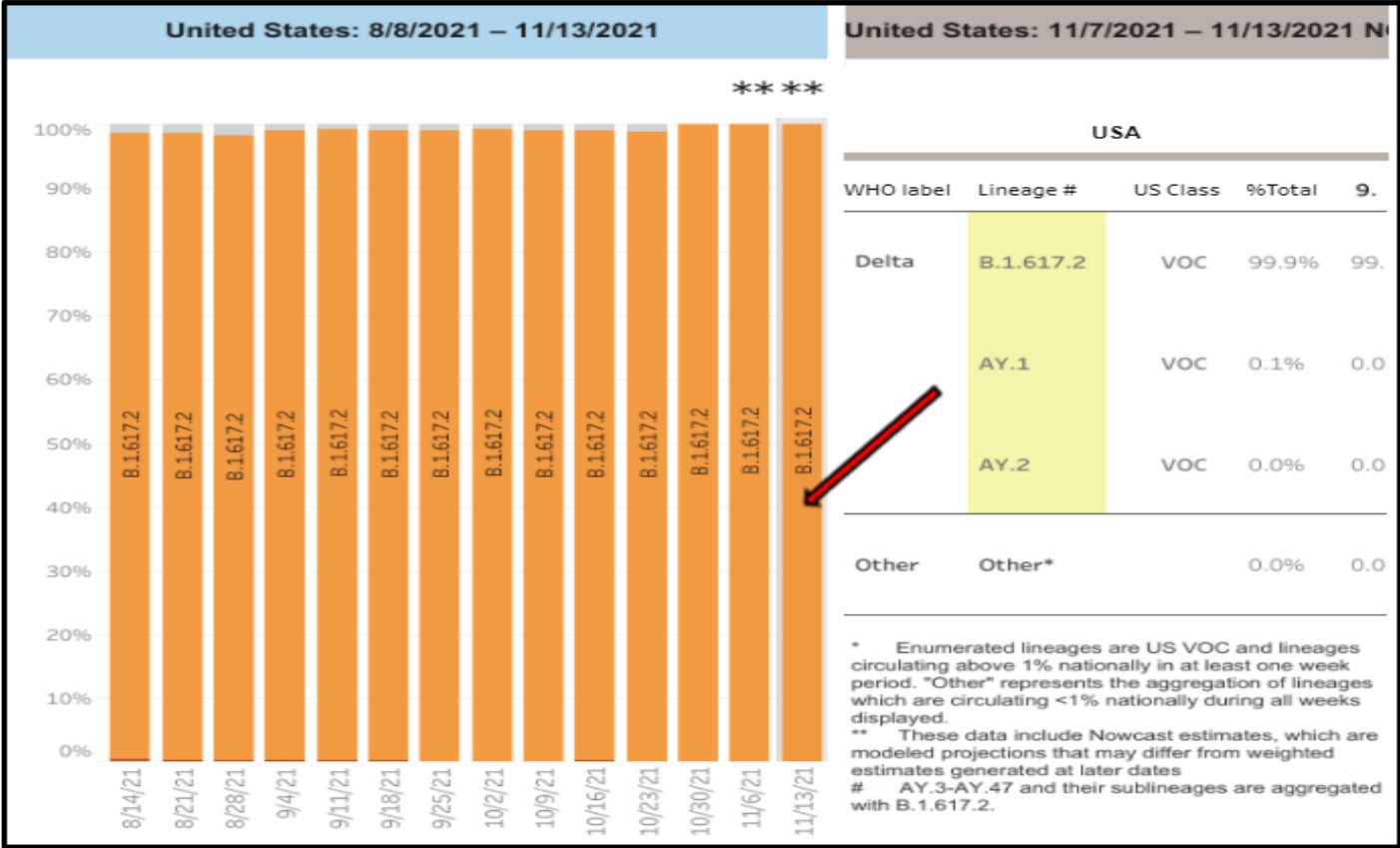
ACL Covid positivity rate - trends up

# Nov 17, 2021 - daily COVID-19 cases in US - CDC



CDC Covid positivity rate - trends up

# Nov 13, 2021 – SARS-CoV-2 circulating in the US (~99.9% % Delta variants)

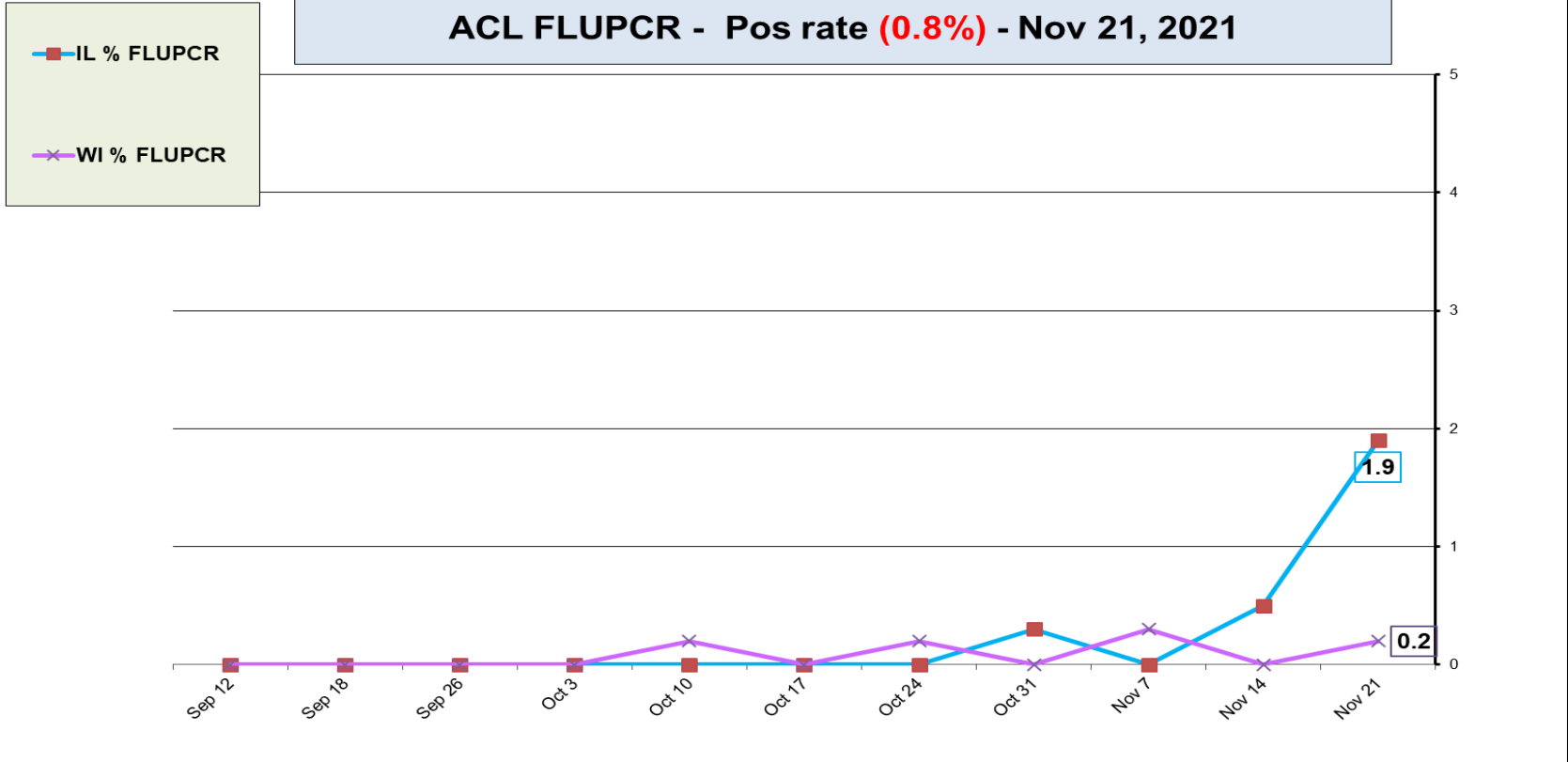




## US vaccination status CDC | Data as of: Nov 17, 2021

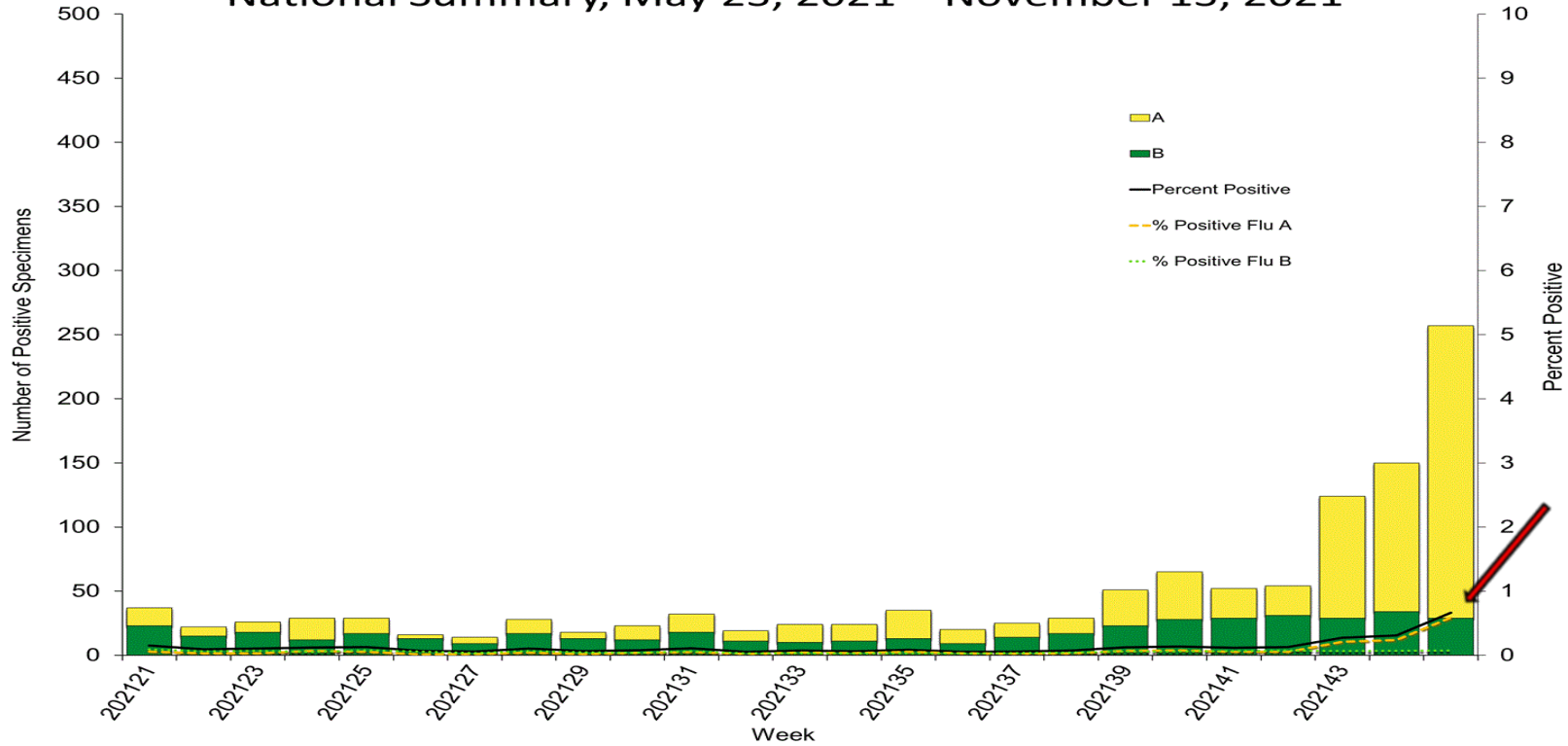
444,789,186 Vaccines Administered	
228,175,638 People who received at least one dose	195,612,365 People who are fully vaccinated*
68.7% Percentage of the US population that has received at least one dose	58.9% Percentage of the US population that has been fully vaccinated*

### ACL FLUPCR - Pos rate (0.8%) - Nov 21, 2021

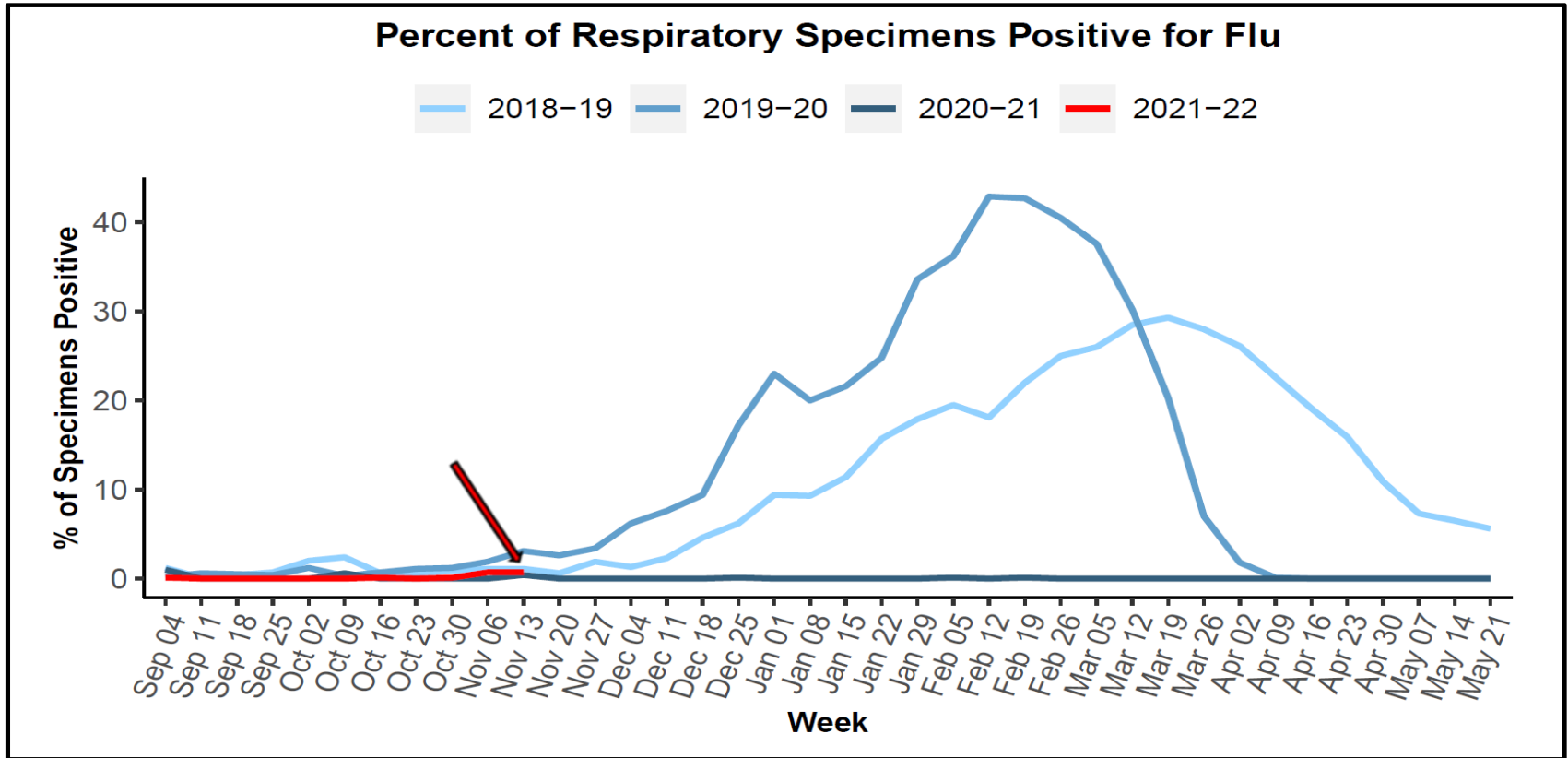


ACL Flu positivity rate – **low activity** (9 pos out 1,146 samples tested)

# Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, May 23, 2021 – November 13, 2021

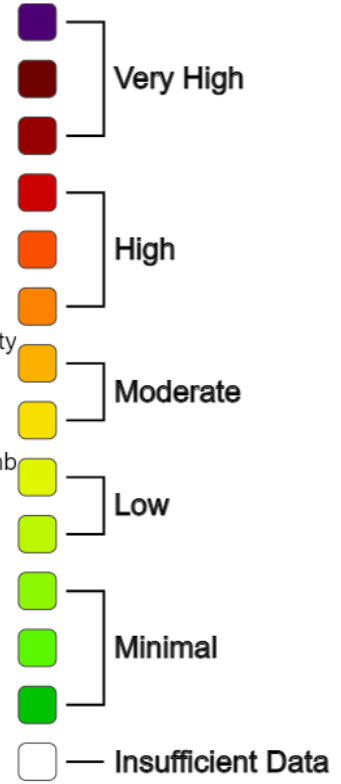
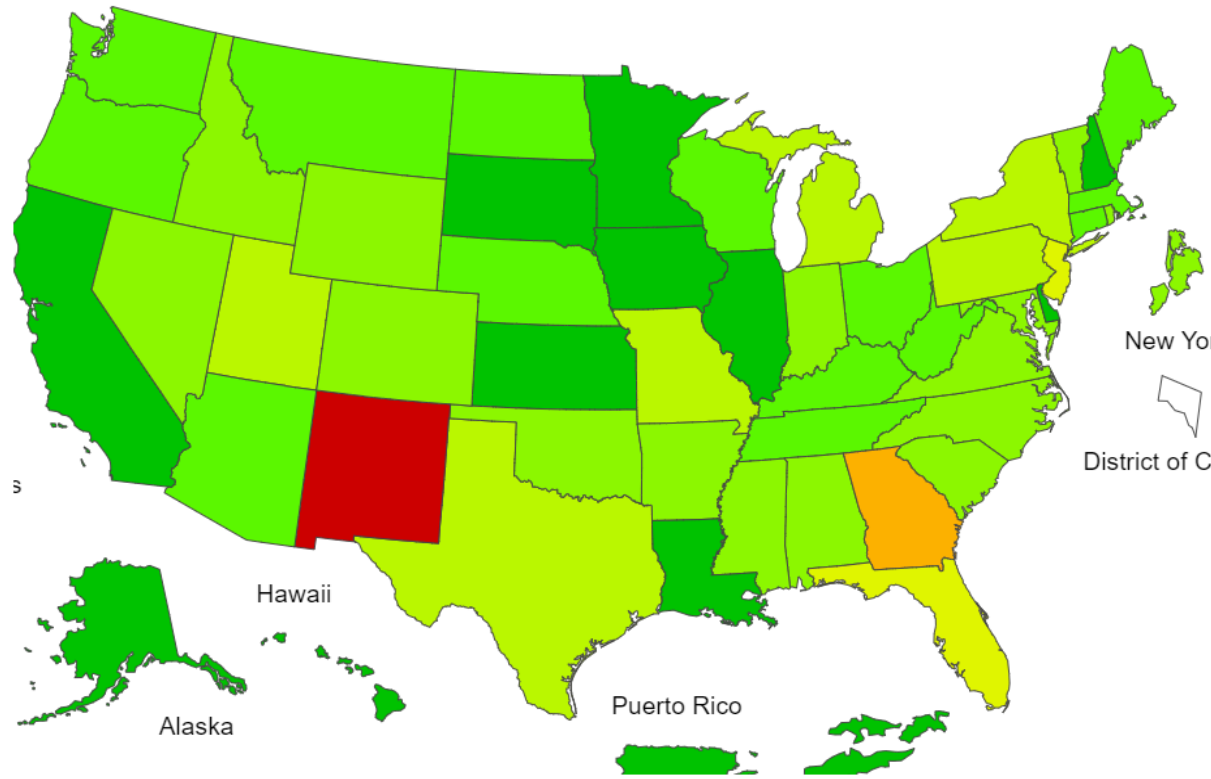


# CDC Midwest data as of: Nov 14, 2021 - (Flu 0.3 %)

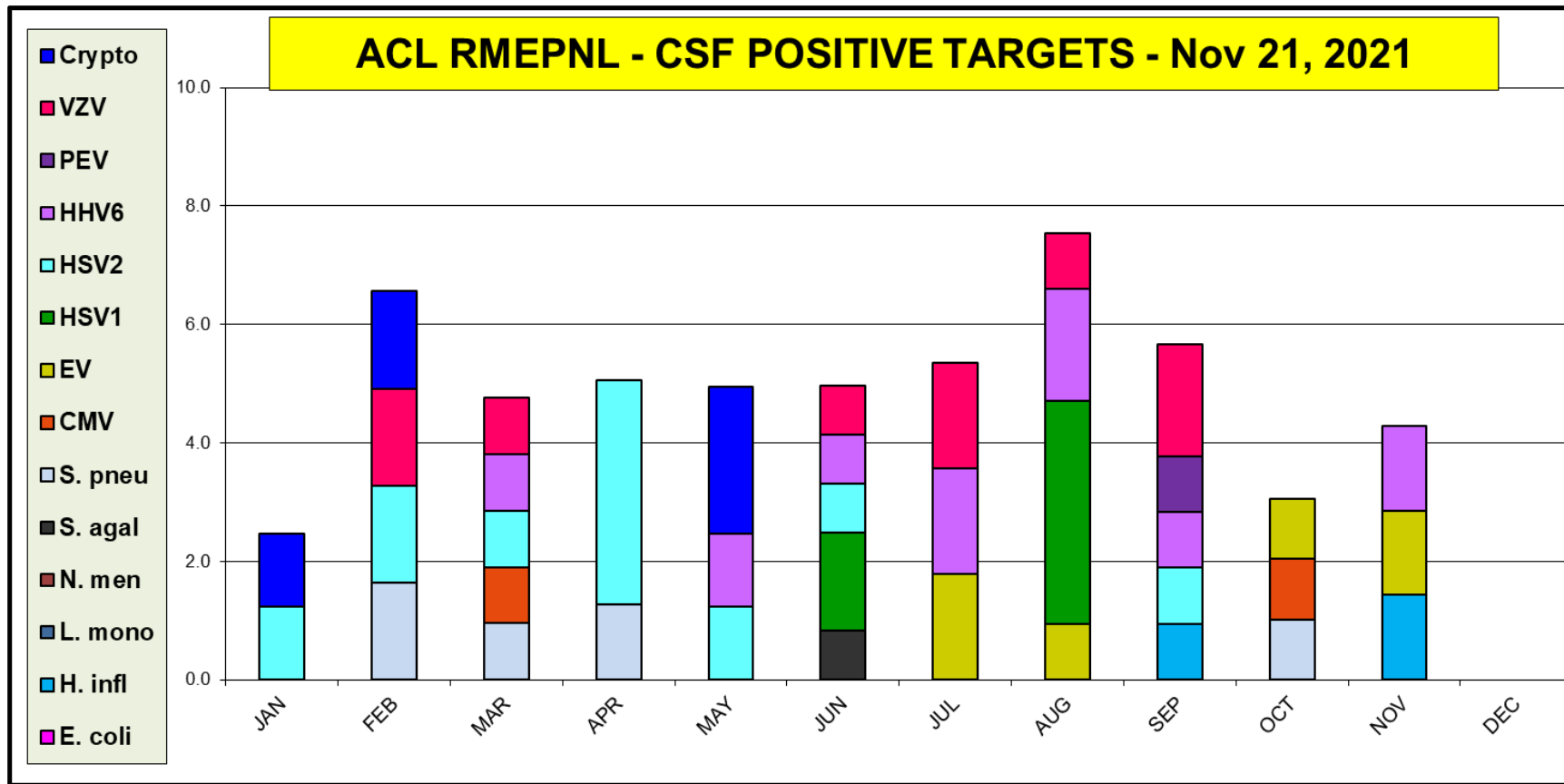


# 2021-22 Influenza Season Week 45 ending Nov 13, 2021

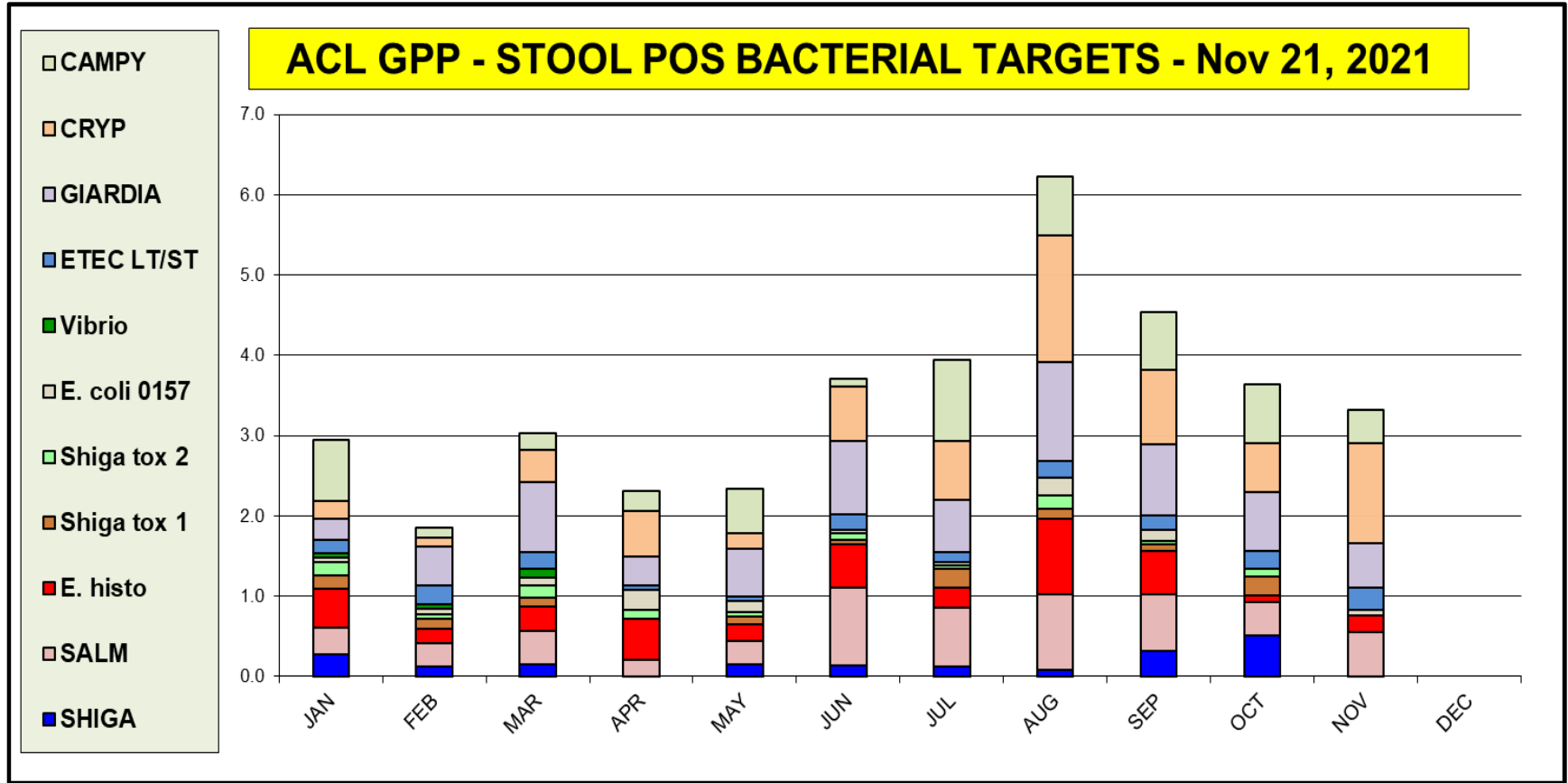
## ILI Activity Level



# CSF targets positivity rate is 4.3%



# The most prevalent GI bacterial target is - (Crypto 1.2%)



# The most prevalent GI viral target is – (Adeno – 0.1%)

