

ACL Laboratories COVID-19 and Influenza Activity Report

Updated: Aug 29, 2021

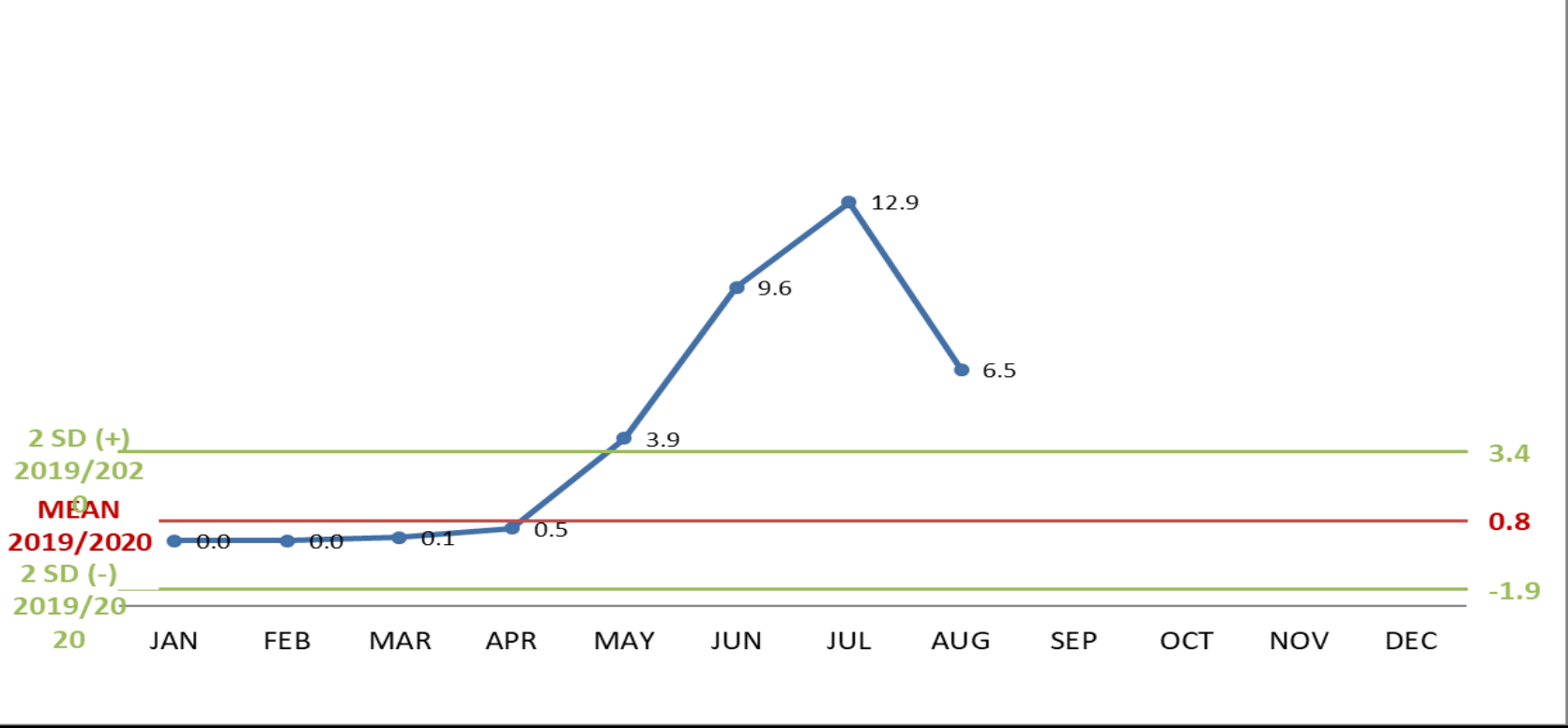


RESPIRATORY PATHOGEN PANEL Aug 29, 2021 Positivity Rate (%)

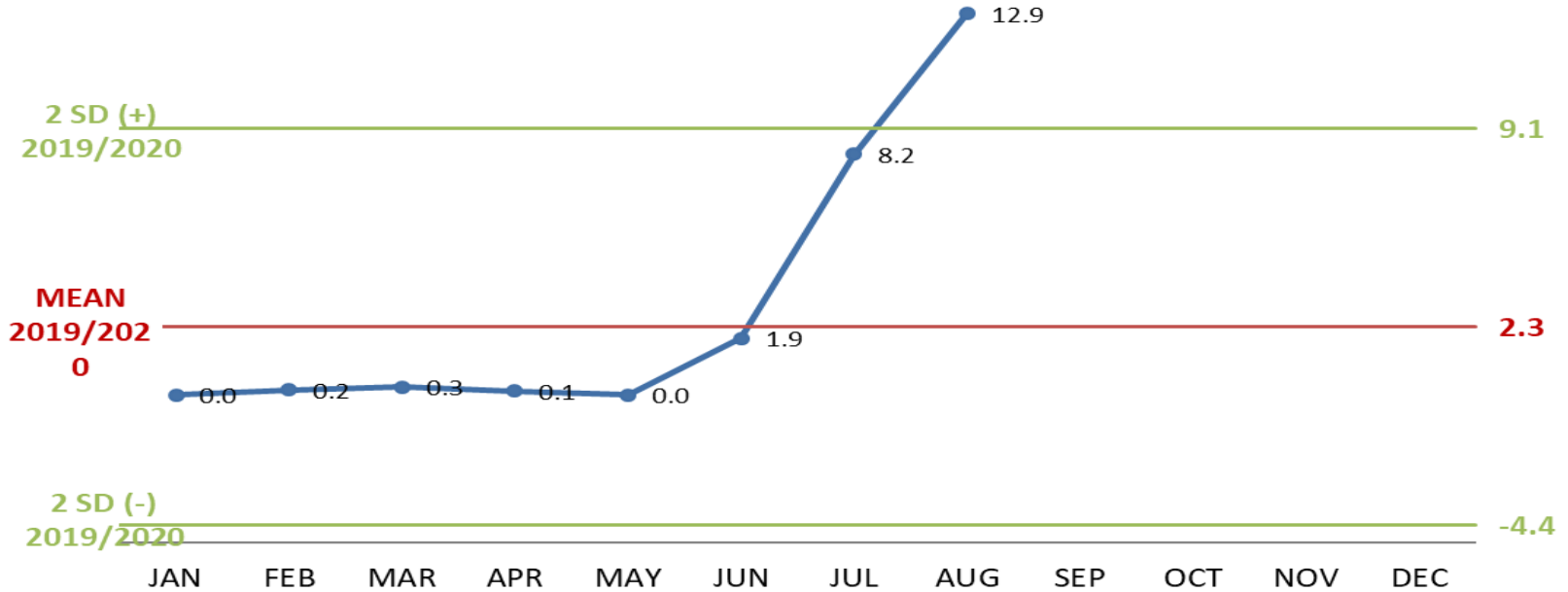
MONTH	FLU A Total	FLU A (H1N1)	2009 (H1N1)	FLU A (H3N2)	FLU B	RSV A	RSV B	RSV Total	PARA 1	PARA 2	PARA 3	PARA 4	Corona 229E	Corona NL63	Corona OC43	Corona HKU1	Meta pneumo	Entero Rhino	ADENO	BOCA	Legionella	Chlamydia	Mycoplasma	
JAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.7	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	4.3	0.0	0.0	
AUG	0.0	0.0	0.0	0.0	0.0	0.8	12.1	12.9	0.0	1.2	6.5	0.1	0.0	0.2	0.5	0.0	0.6	14.1	1.2	3.4	0.0	0.0	0.0	
SEP																								
OCT																								
NOV																								
DEC																								

Increased prevalence of viruses: **RSV (type B), Parainfluenza 3 and Rhinovirus.**

Parainfluenza 3 POSITIVITY RATE 2021 (%)

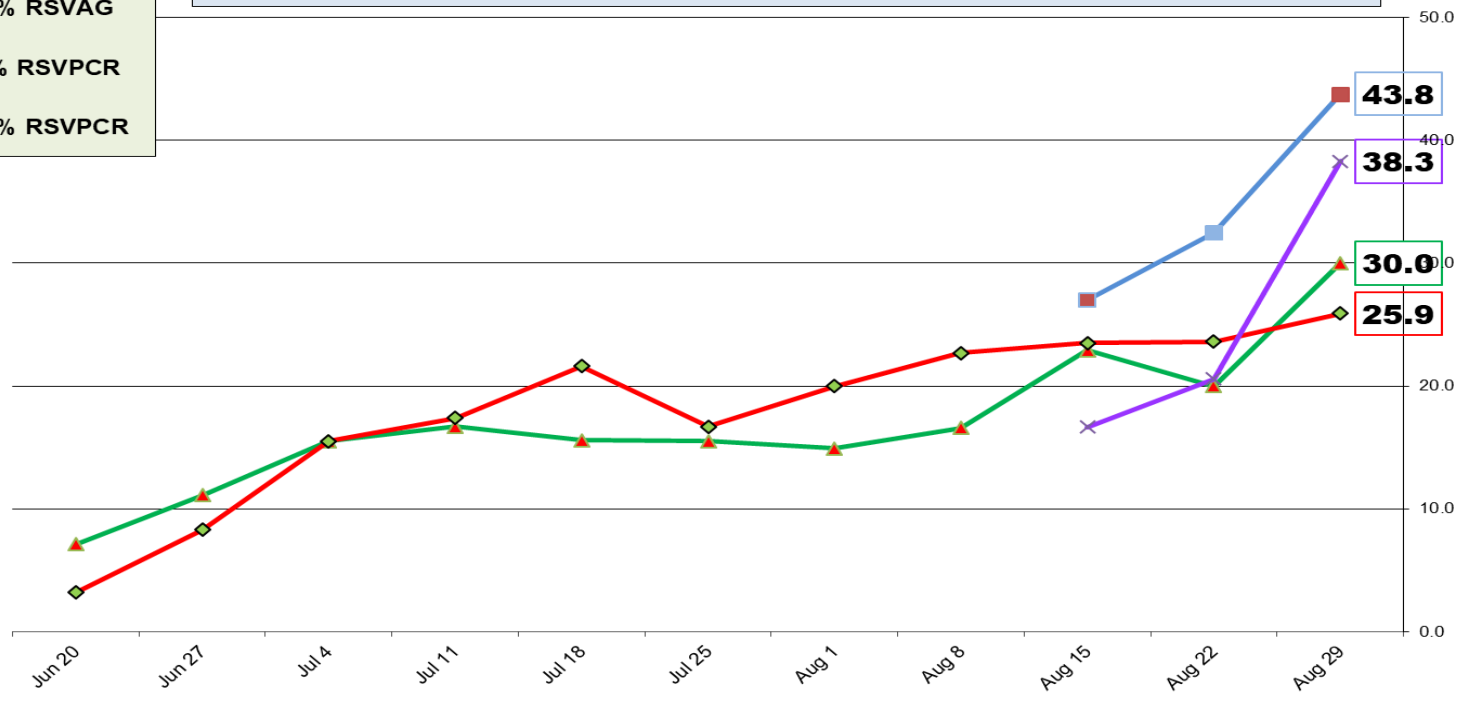


RPP RSV POSITIVITY RATE 2021 (%)



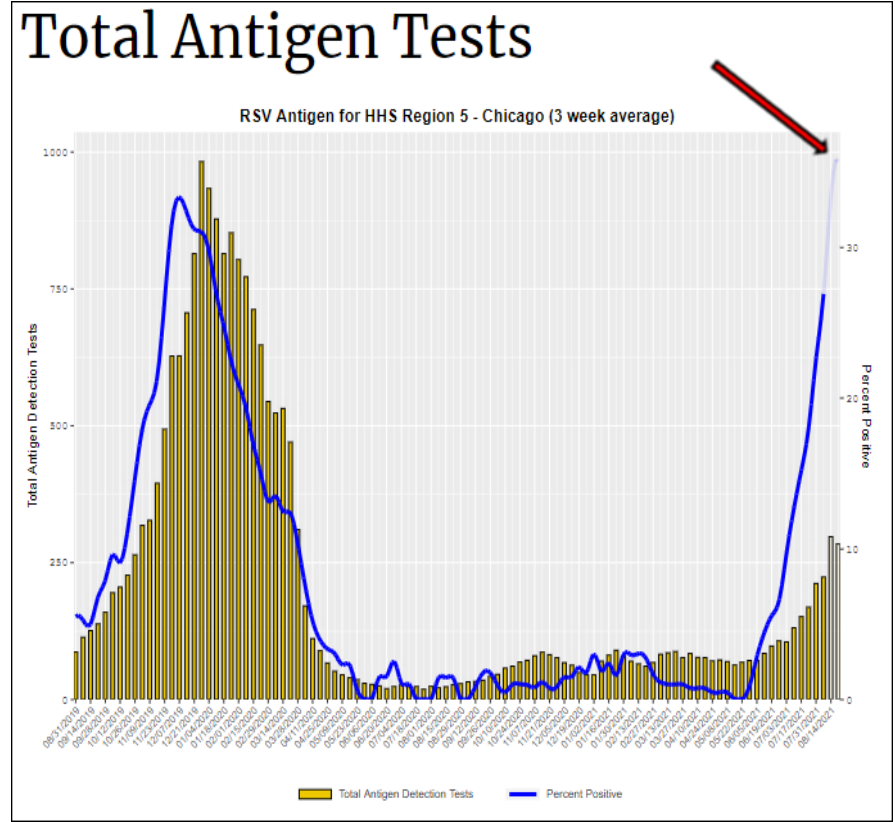
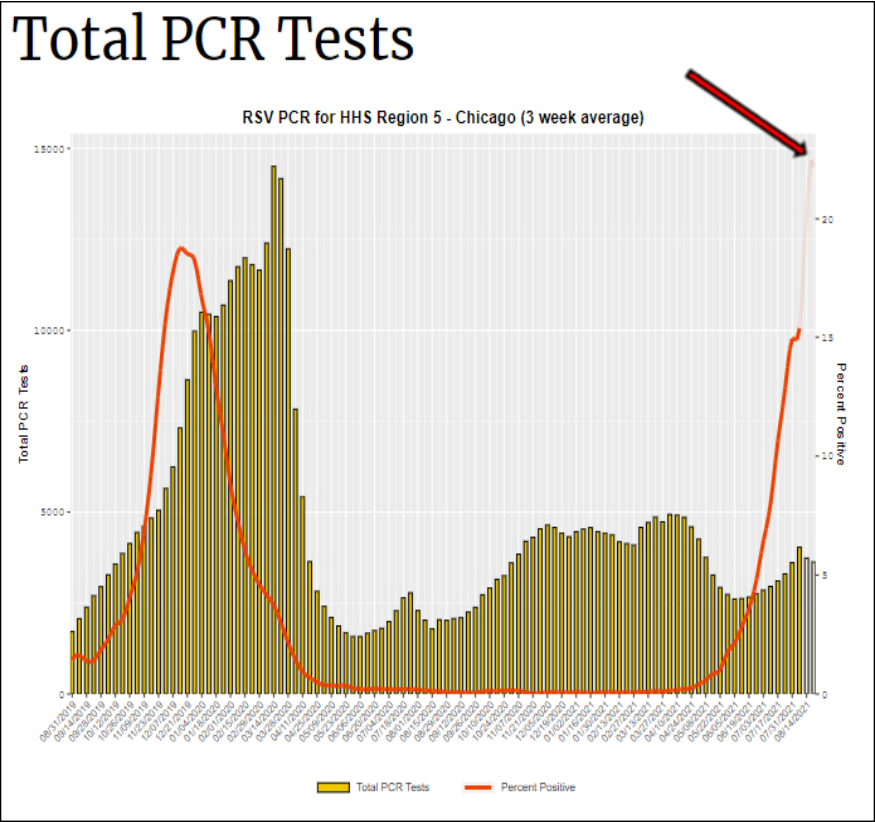
ACL RSVAG and PCR - Pos rate (%) - Aug 29, 2021

- IL % RSVAG
- WI % RSVAG
- IL % RSVPCR
- WI % RSVPCR



ACL RSV PCR by Cepheid - assay was started on Aug 8th 2021

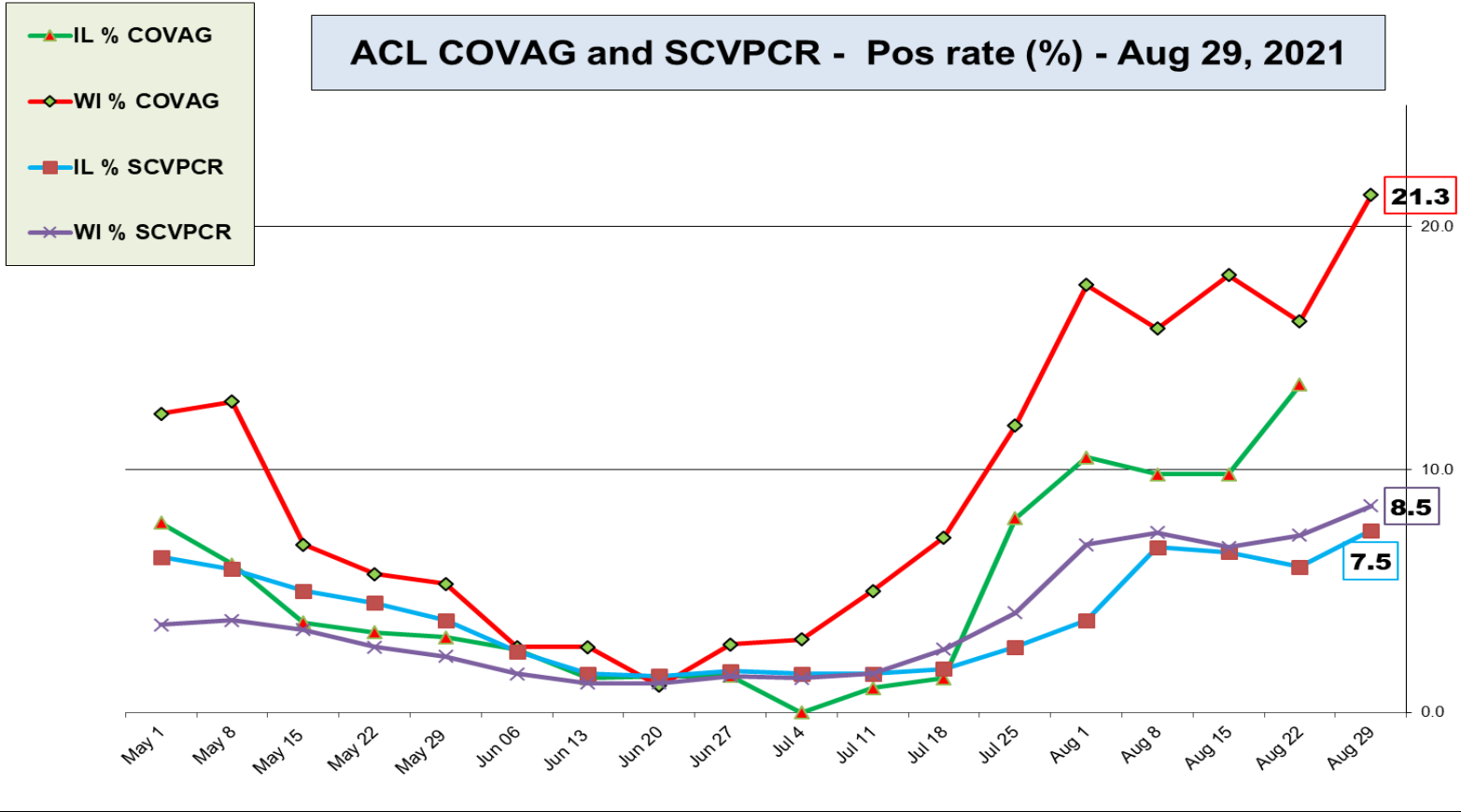
CDC Data RSV pos rate for Region 5 Chicago - (PCR - 22%, Antigen - 35% ↑)



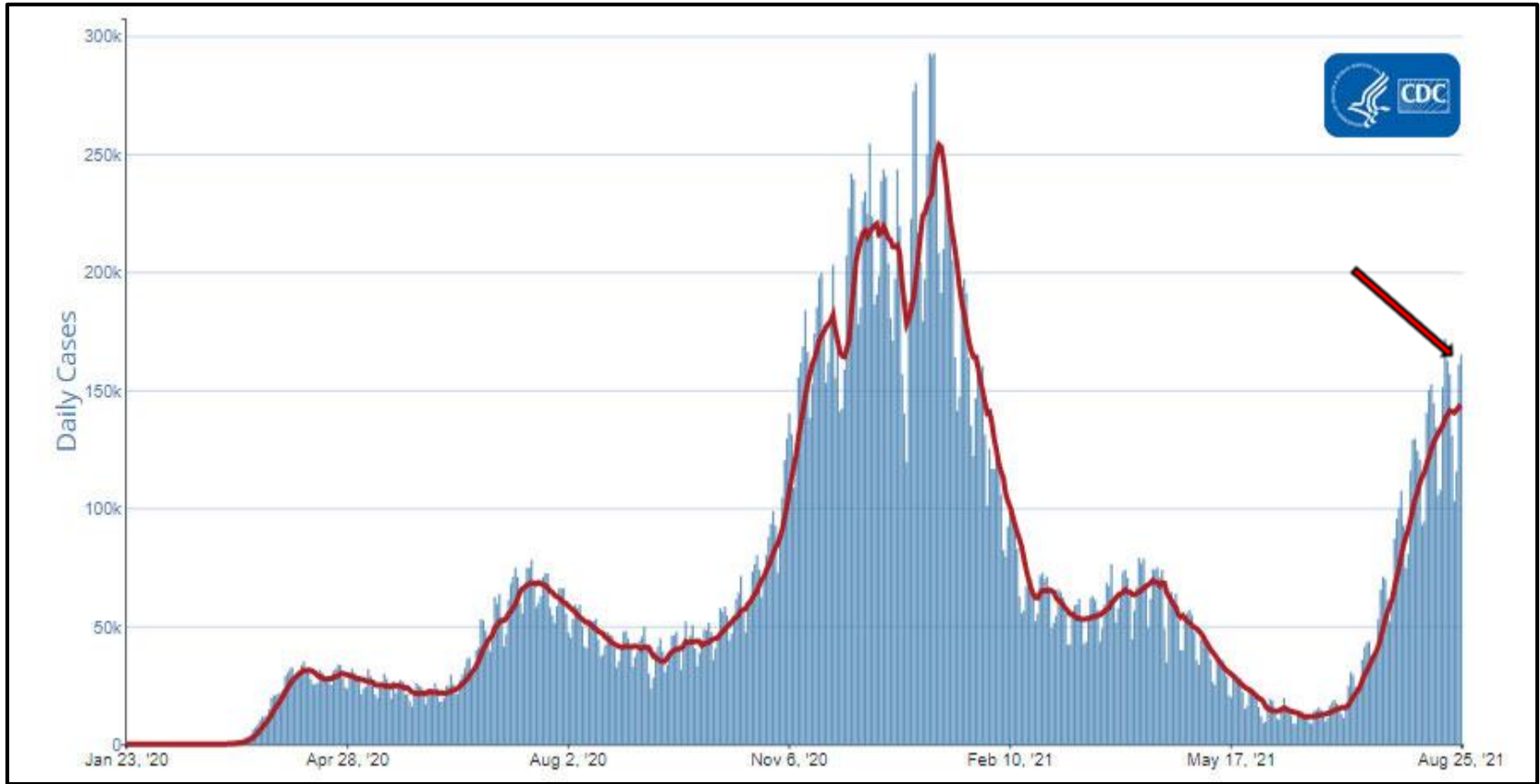
SARS-COV-2					Influenza - no activity				RSV (Antigen+PCR)			
Week	IL % SCVPCR	WI % SCVPCR	IL % COVAG	WI % COVAG	IL % FLUPCR	WI % FLUPCR	IL % FLUAG	WI % FLUAG	IL % RSVAG	WI % RSVAG	IL % RSVPCR	WI % RSVPCR
Aug 29	7.5	8.5	?	21.3	0	0	0	0	30.0	25.9	43.8	38.3
Aug 22	6.0	7.3	13.5	16.1	0	0	0	0	20.0	23.6	32.5	20.6
Aug 15	6.6	6.8	9.8	18.0	0	0	0	0	22.9	23.5	27.0	16.7
Aug 8	6.8	7.4	9.8	15.8	0	0	0	0	16.6	22.7	25.7	16.9
Aug 1	3.8	6.9	10.5	17.6	0	0	0	0	14.9	20.0	0.0	0.0
Jul 25	2.7	4.1	8.0	11.8	0	0	0	0	15.5	16.7	0.0	0.0
Jul 18	1.8	2.6	1.4	7.2	0	0	0	0	15.6	21.6	0.0	0.0
Jul 11	1.6	1.6	1.0	5.0	0	0	0	0	16.7	17.4	0.0	0.0
Jul 4	1.6	1.4	0.0	3.0	0	0	0	0	15.5	15.5	0.0	0.0
Jun 27	1.7	1.5	1.5	2.8	0	0	0	0	11.1	8.3	0.0	0.0
Jun 20	1.5	1.2	1.5	1.1	0	0	0	0	7.1	3.2	0.0	0.0
Jun 13	1.6	1.2	1.4	2.7	0	0	0	0	8.6	3.7	0.0	0.0
Jun 06	2.5	1.6	2.6	2.7	0	0	0	0	5.0	0.0	0.0	0.0

ACL RSV tests results are consistent with “atypical” summer RSV outbreak

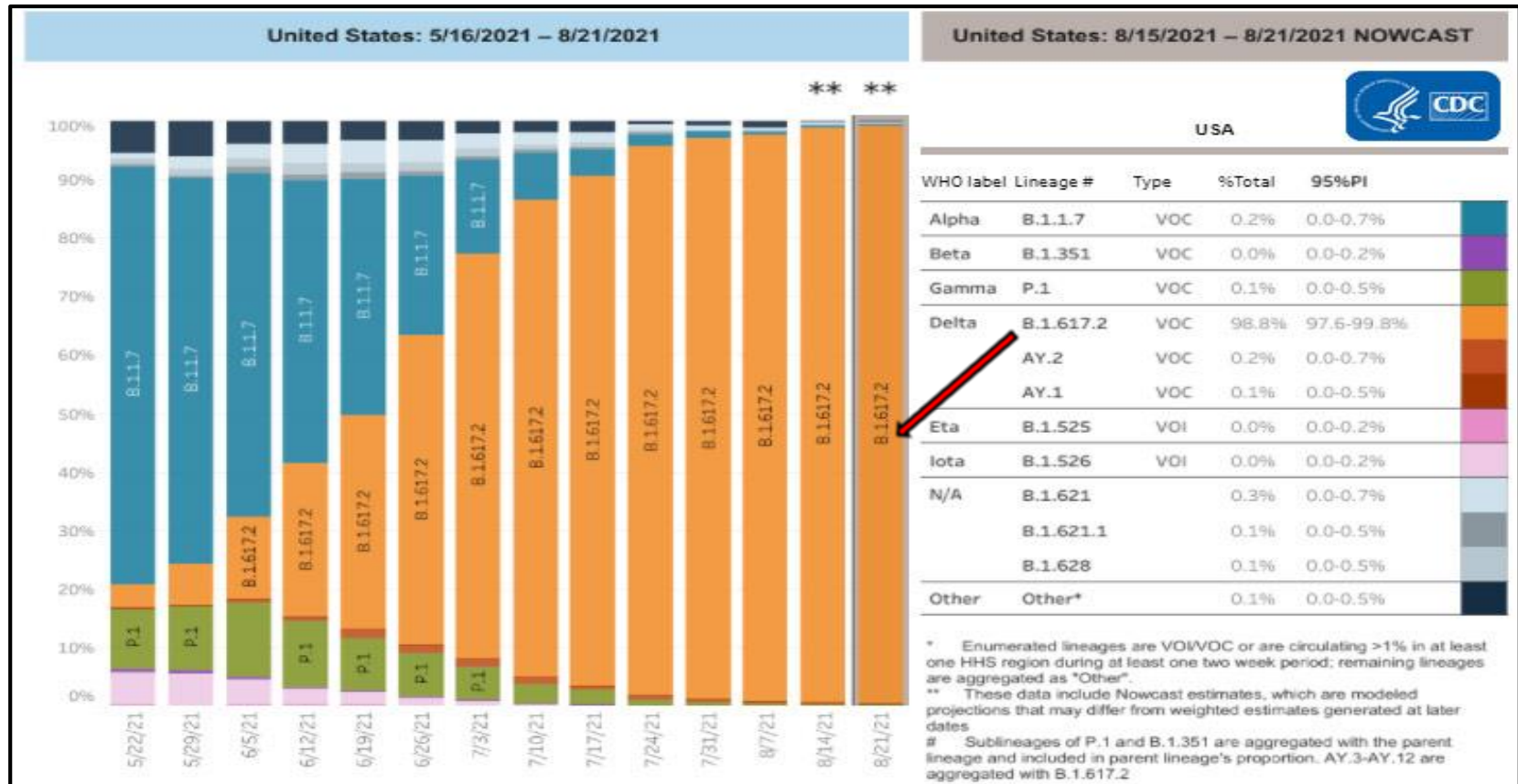
ACL COVAG and SCVPCR - Pos rate (%) - Aug 29, 2021



Aug 25, 2021 - daily COVID-19 cases in US - CDC



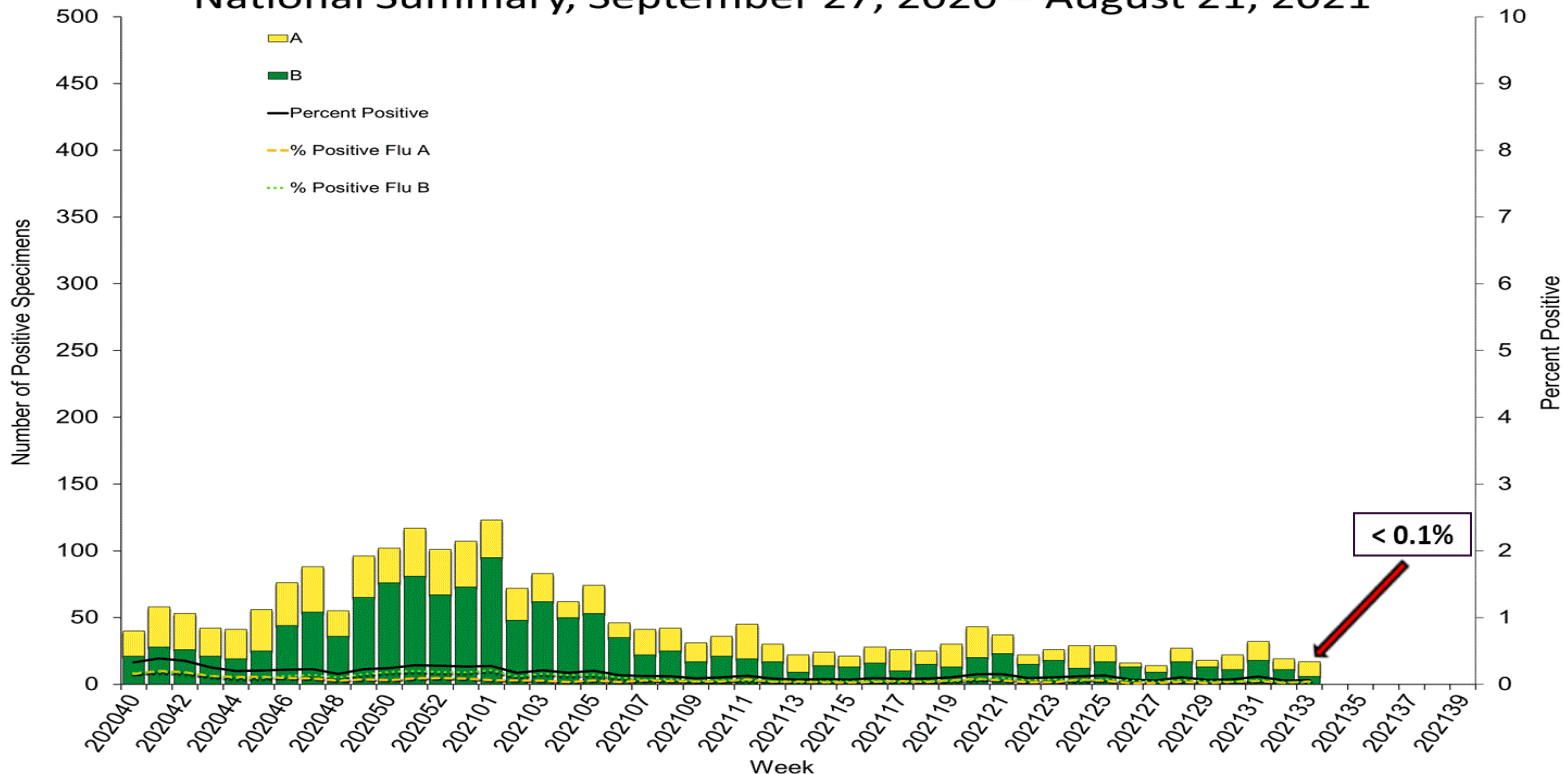
Aug 14, 2021 – SARS-CoV-2 circulating in the US (~99.1% % Delta variants)



US vaccination status CDC | Data as of: Aug 26, 2021

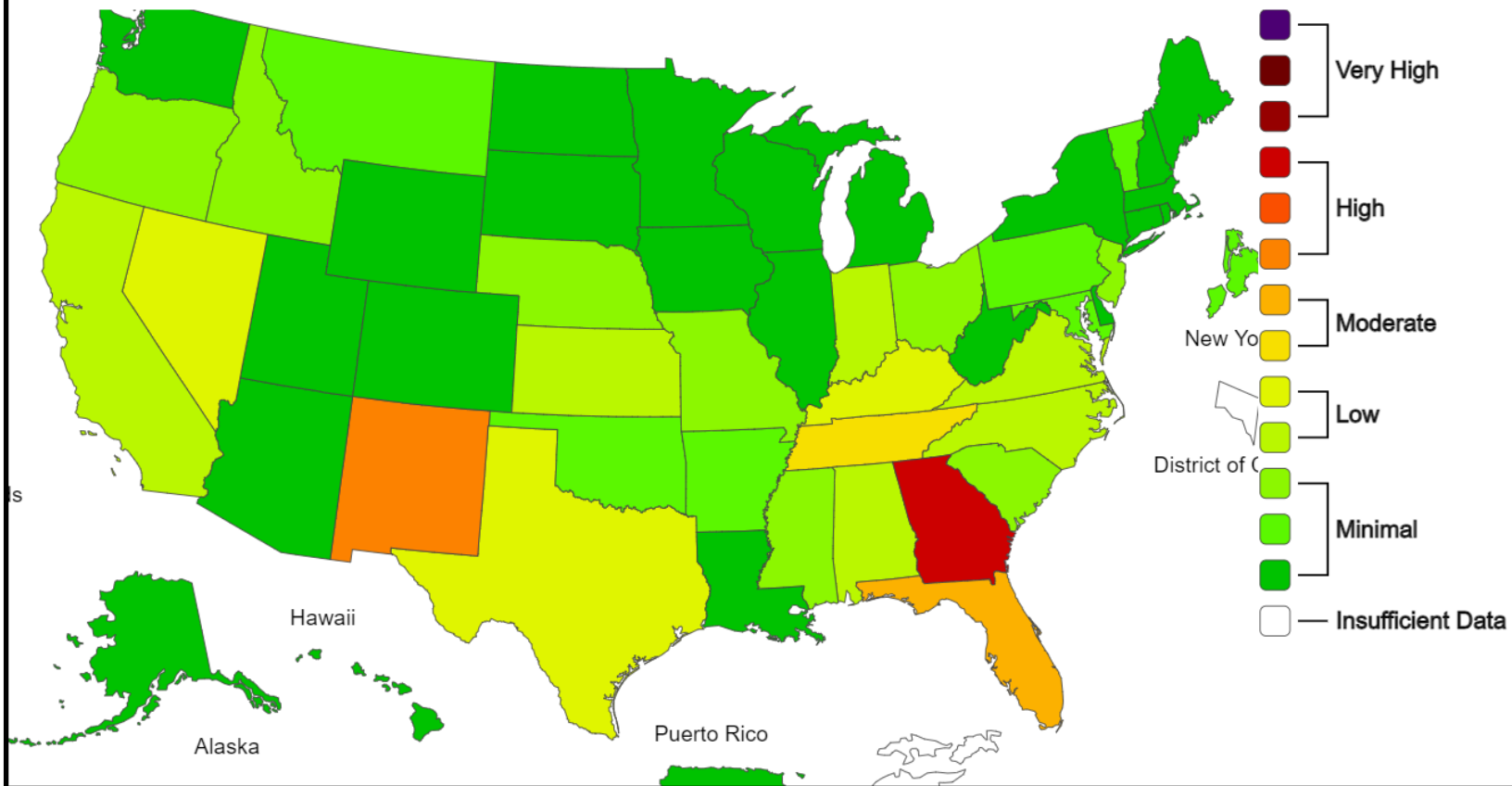
365,767,674 Vaccines Administered	
202,961,676 People who received at least one dose	172,171,009 People who are fully vaccinated*
61.1% Percentage of the US population that has received at least one dose	51.9% Percentage of the US population that has been fully vaccinated*

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, September 27, 2020 – August 21, 2021

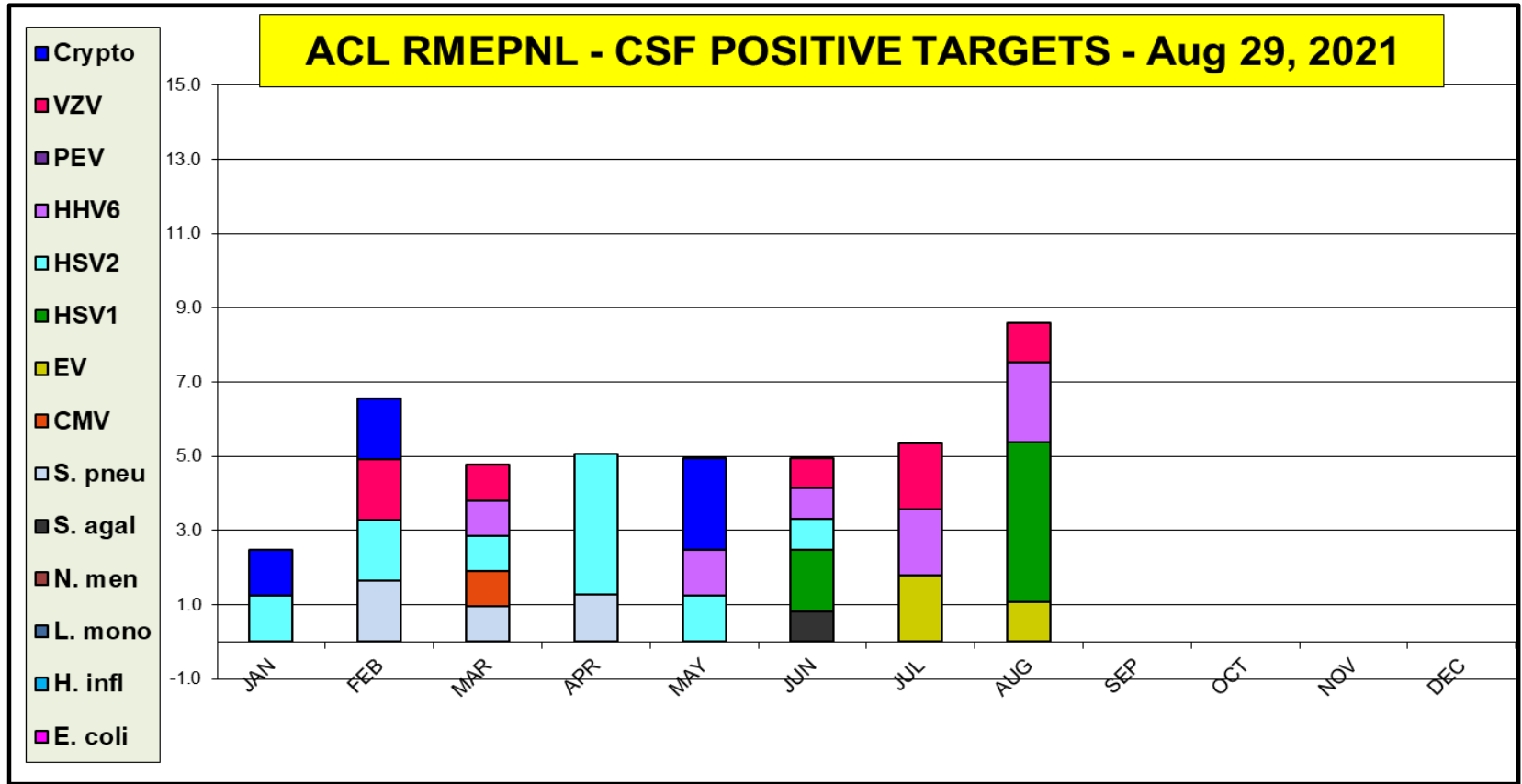


2020-21 Influenza Season Week 33 ending Aug 21, 2021

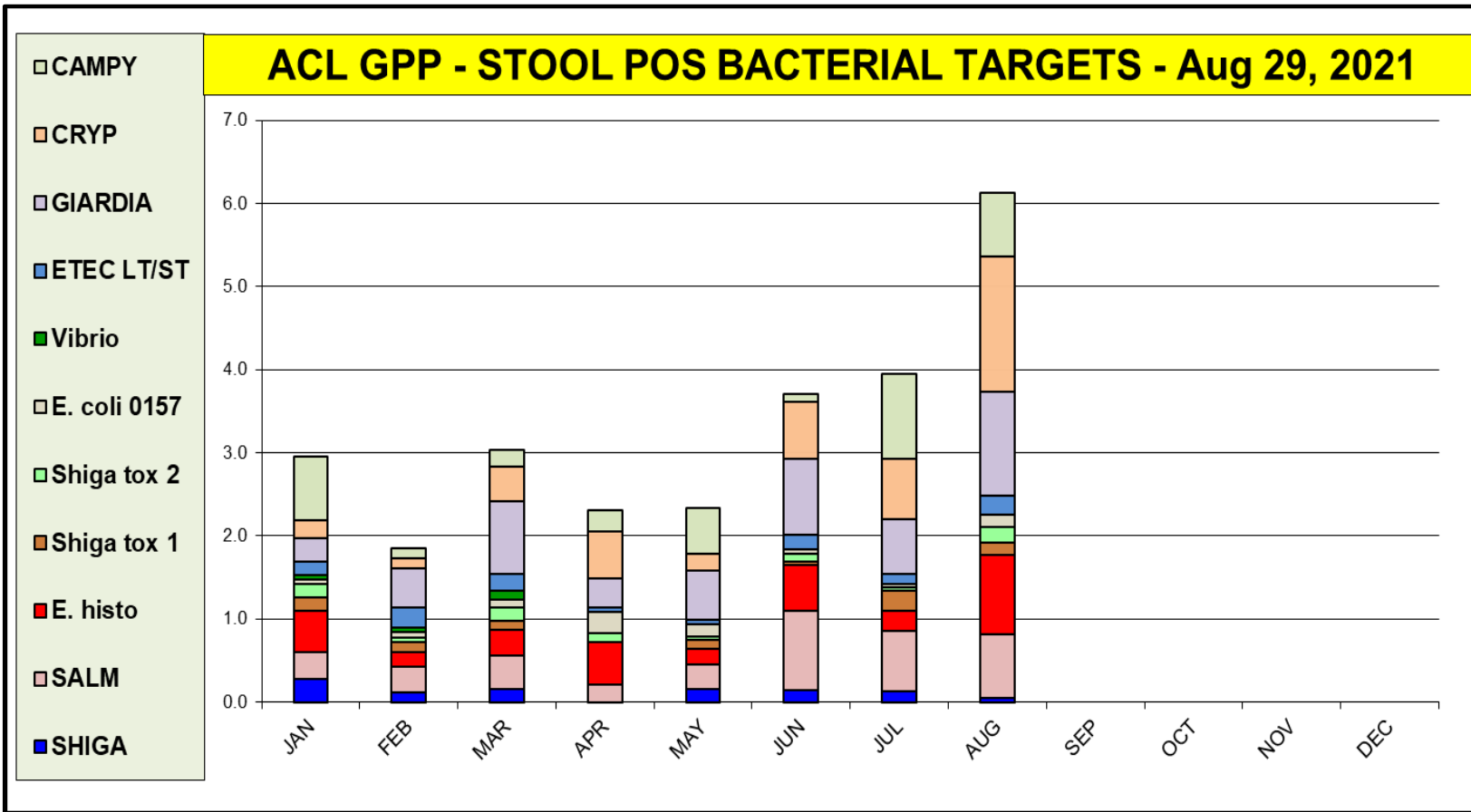
ILI Activity Level



CSF targets positivity rate is 8.6% (the most prevalent is HSV1)



The most prevalent GI bacterial target is (Cryptosporidium 1.6%)



The most prevalent GI viral target is – (Norovirus II – 0.2%)

