

ACL Laboratories COVID-19 and Influenza Activity Report

Updated: Oct 10, 2021



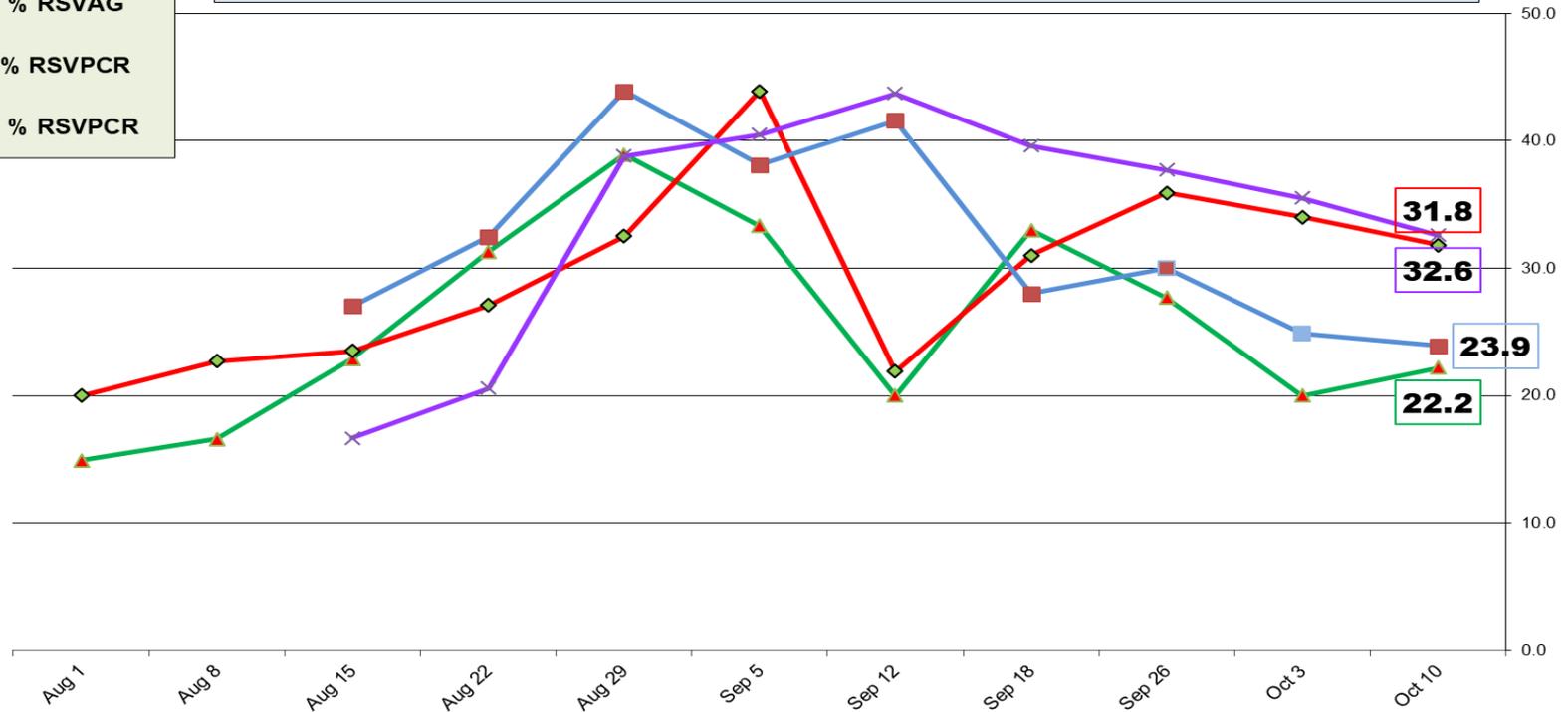
RESPIRATORY PATHOGEN PANEL Oct 10, 2021 Positivity Rate (%)

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	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	1.0	6.2	7.1	0.0	1.2	1.2	0.5	0.2	0.0	0.0	0.0	0.2	24.3	1.0	6.2	0.0	0.0	0.0	
NOV																								
DEC																								

Increased prevalence of viruses: **Rhinovirus, RSV and Boca virus**

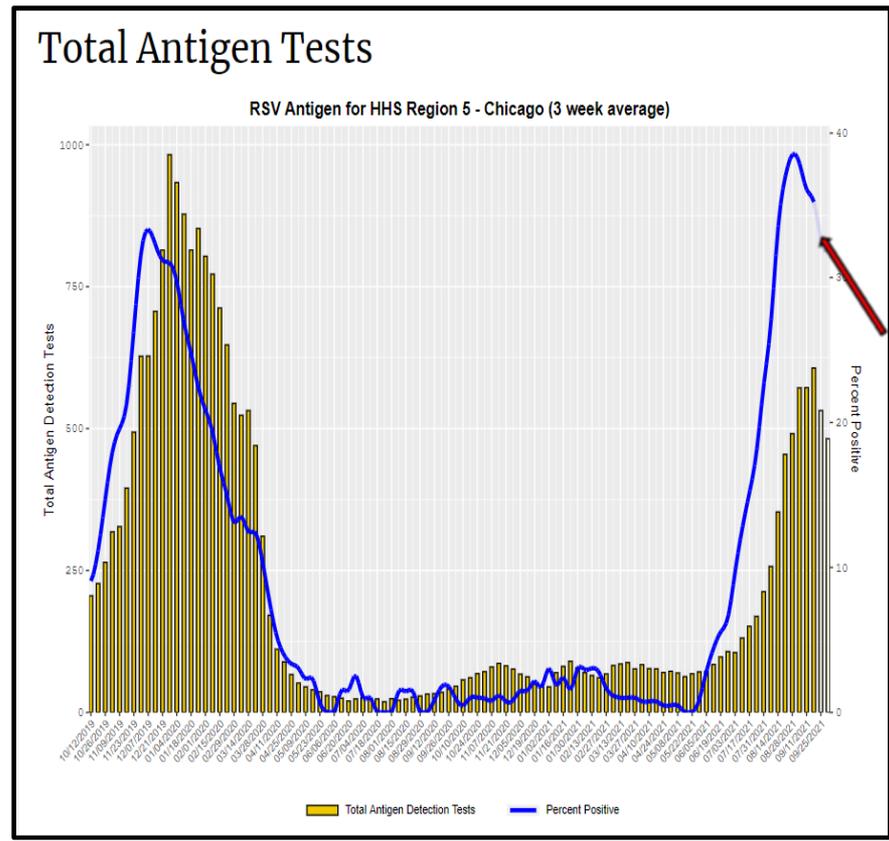
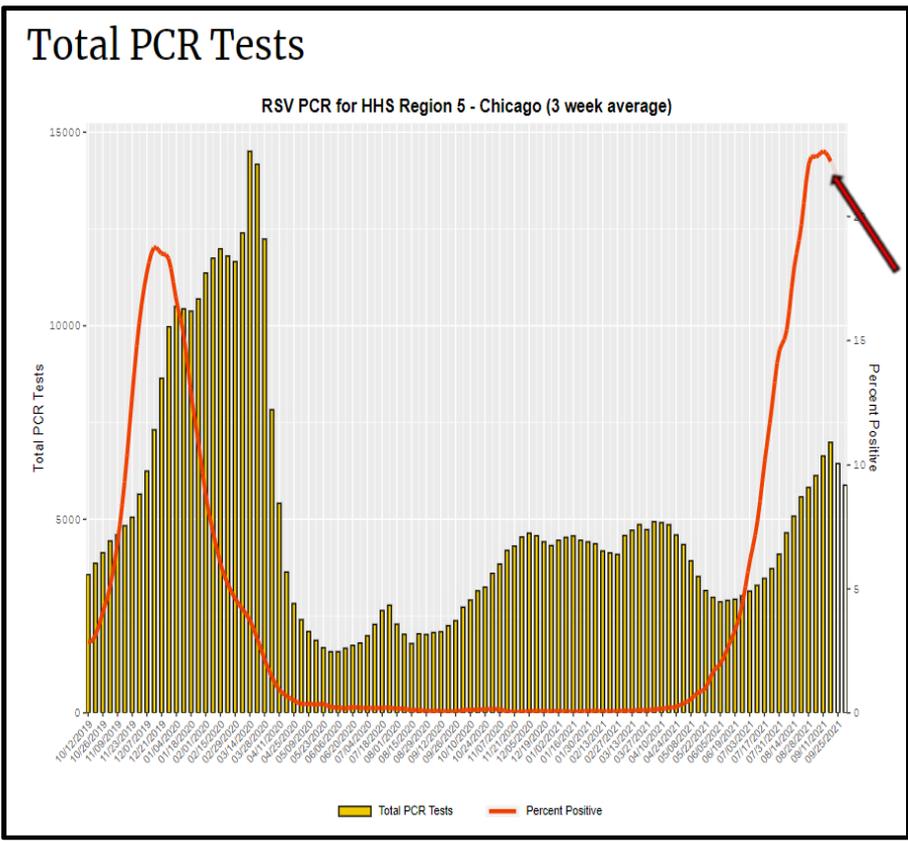
ACL RSVAG and PCR - Pos rate (%) - Oct 10, 2021

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



ACL RSV PCR remains the same , EIA pos rate is trending down

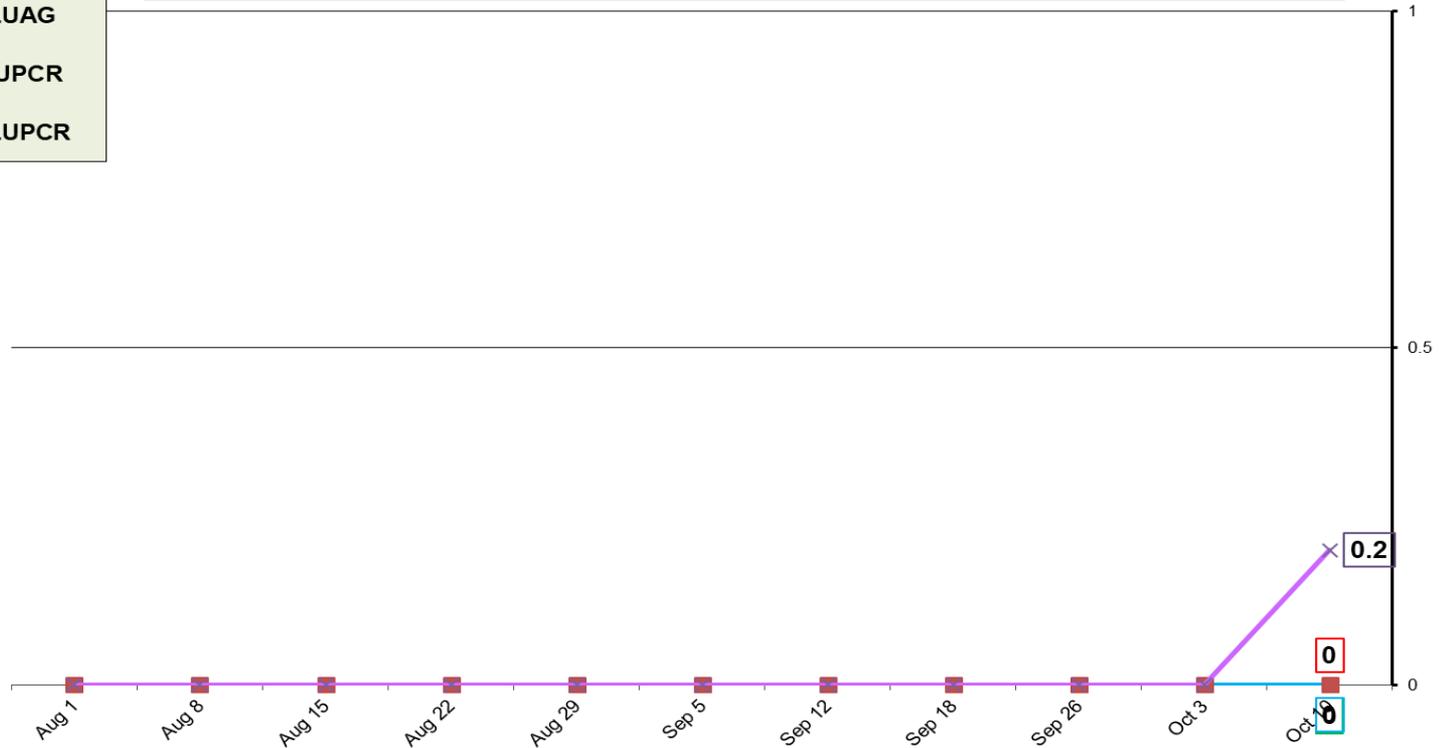
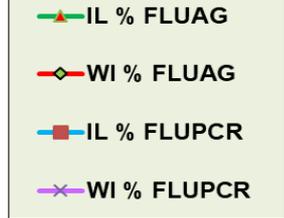
CDC Data RSV pos rate for Region 5 Chicago - (PCR – 21%↓, Antigen - 32% ↓)



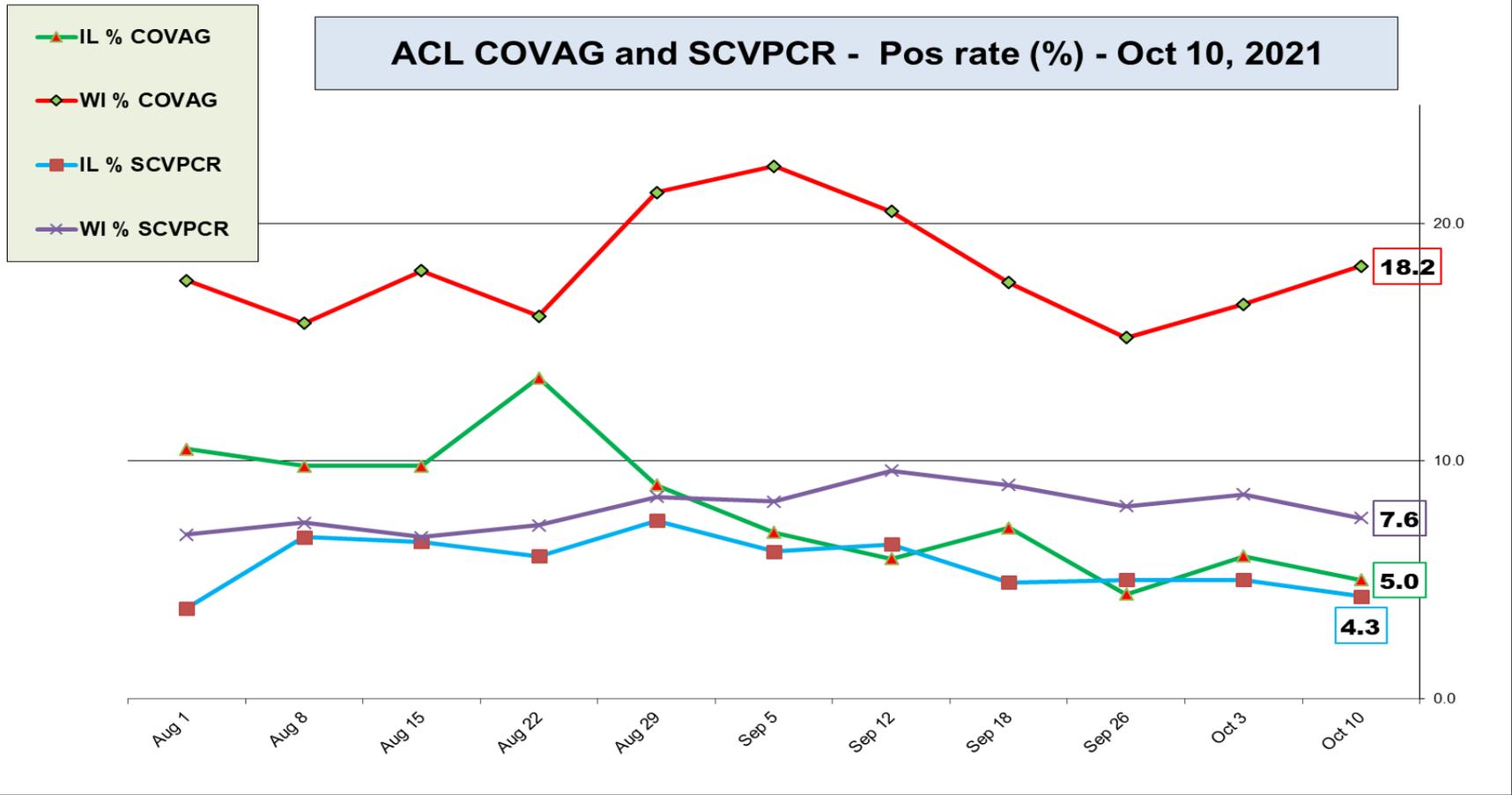
Week	IL % SCVPCR	WI % SCVPCR	IL % COVAG	WI % COVAG	IL % FLUPCR	WI % FLUPCR	IL % FLUAG	WI % FLUAG	IL % RSVAG	WI % RSVAG	IL % RSVPCR	WI % RSVPCR
Oct 10	4.3	7.6	5.0	18.2	0	0.2	0	0	22.2	31.8	23.9	32.6
Oct 3	5.0	8.6	6.0	16.6	0	0	0	0	20.0	34.0	24.9	35.5
Sep 26	5.0	8.1	4.4	15.2	0	0	0	0	27.7	35.9	30.0	37.7
Sep 18	4.9	9.0	7.2	17.5	0	0	0	0	33.0	31.0	28.0	39.6
Sep 12	6.5	9.6	5.9	20.5	0	0	0	0	20.0	21.9	41.6	43.7
Sep 5	6.2	8.3	7.0	22.4	0	0	0	0	33.3	43.9	38.1	40.5
Aug 29	7.5	8.5	9.0	21.3	0	0	0	0	38.9	32.5	43.9	38.8
Aug 22	6.0	7.3	13.5	16.1	0	0	0	0	31.3	27.1	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

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

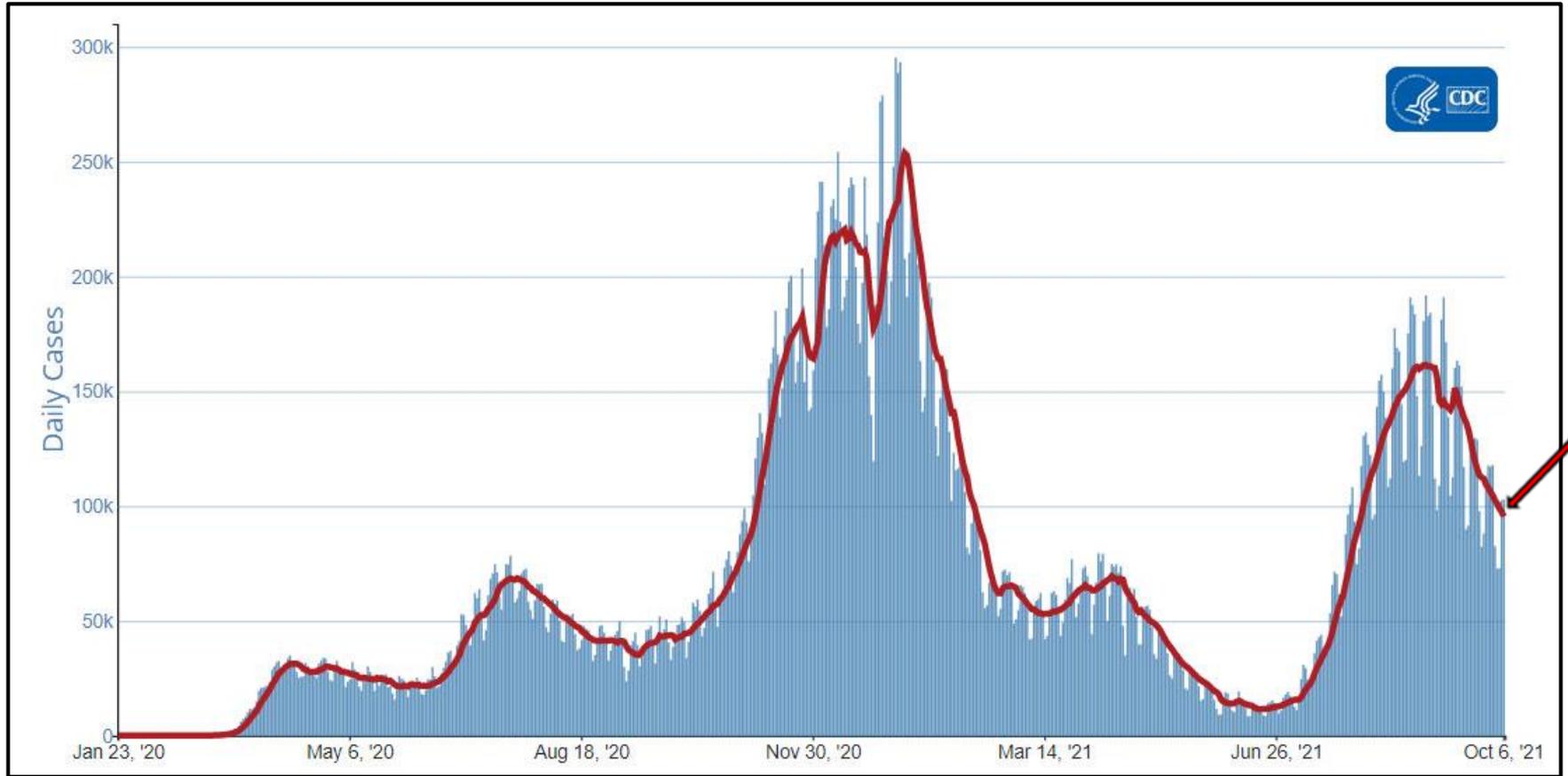
ACL FLUAG and FLUPCR - Pos rate (%) - Oct 10, 2021



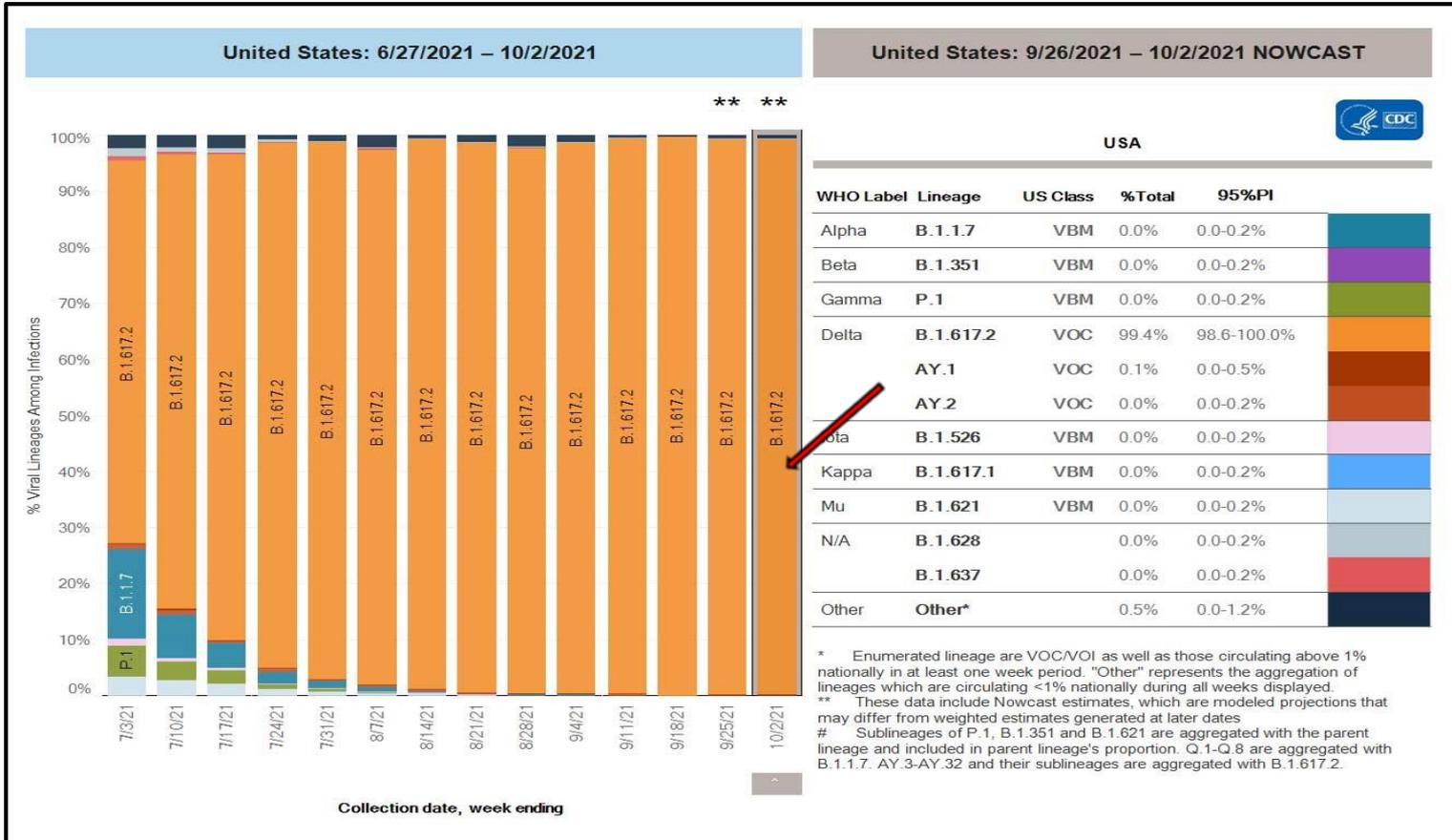
ACL COVAG and SCVPCR - Pos rate (%) - Oct 10, 2021



Oct 6, 2021 - daily COVID-19 cases in US - CDC



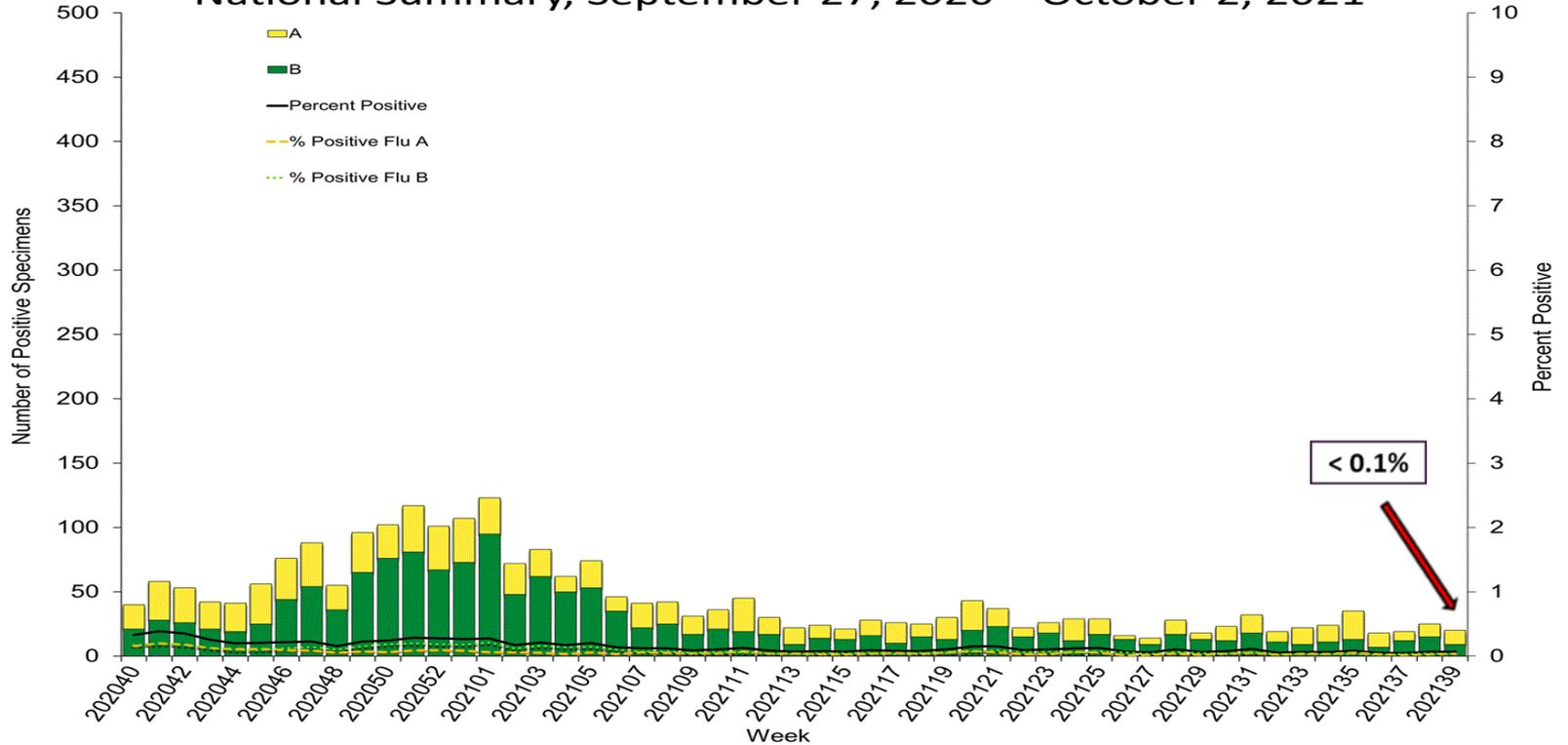
Oct 2, 2021 – SARS-CoV-2 circulating in the US (~99.5% % Delta variants)



US vaccination status CDC | Data as of: Oct 5, 2021

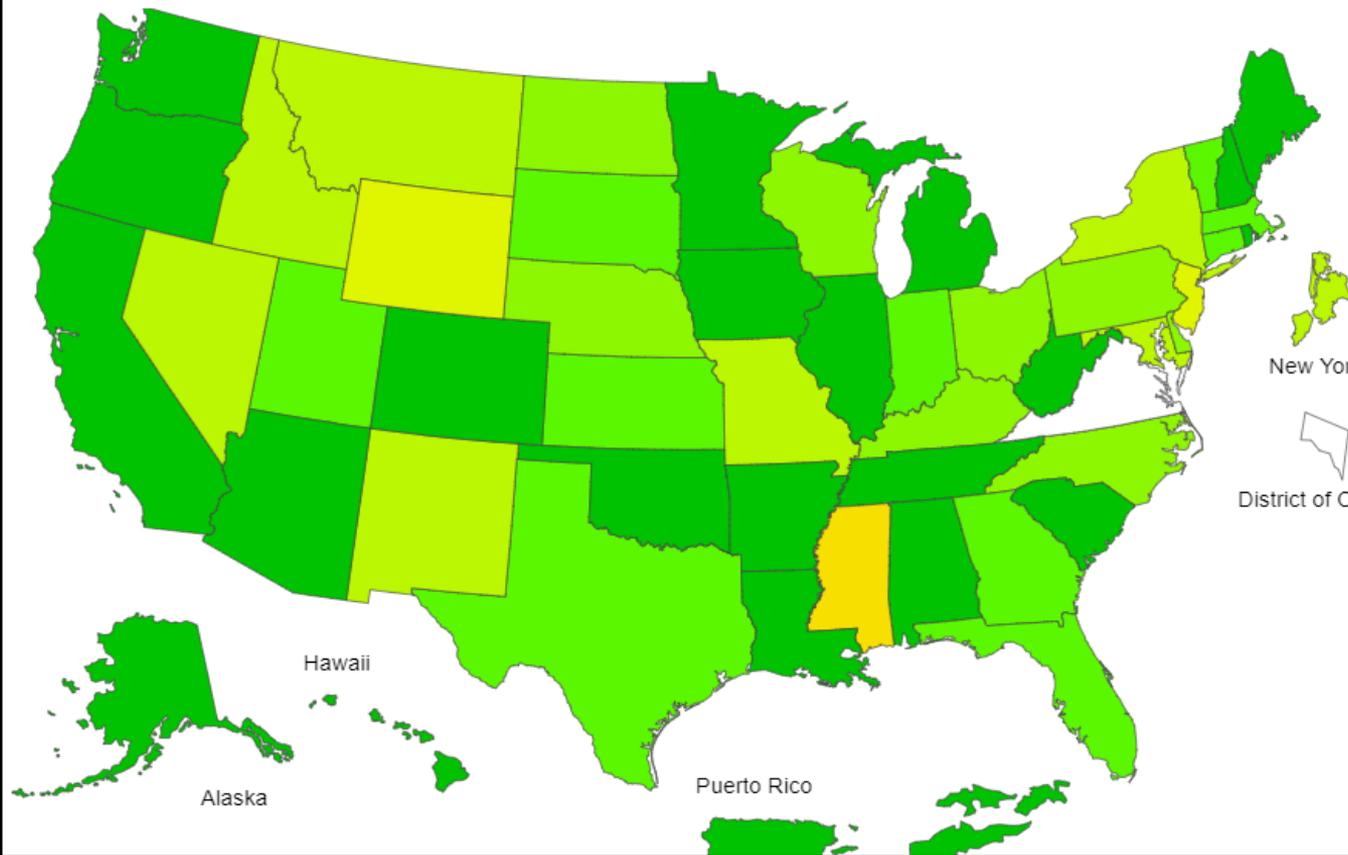
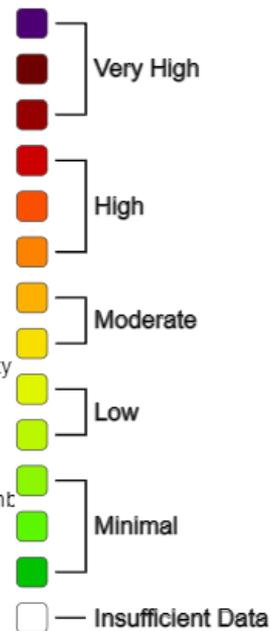
399,552,444 Vaccines Administered	
216,268,034 People who received at least one dose	186,618,184 People who are fully vaccinated*
65.1% Percentage of the US population that has received at least one dose	56.2% Percentage of the US population that has been fully vaccinated*

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, September 27, 2020 – October 2, 2021



2020-21 Influenza Season Week 39 ending Oct 02, 2021

ILI Activity Level



New York City

District of Columt

Alaska

Hawaii

Puerto Rico

According to the WHO's August 2021 influenza update, global flu activity (including **southern hemisphere**) has remained at **lower than expected levels** for this time of year, which they believe may be due to continued COVID-19 measures like physical distancing and masking. (Most targets in circulation were - **Flu B and Flu A H3**)

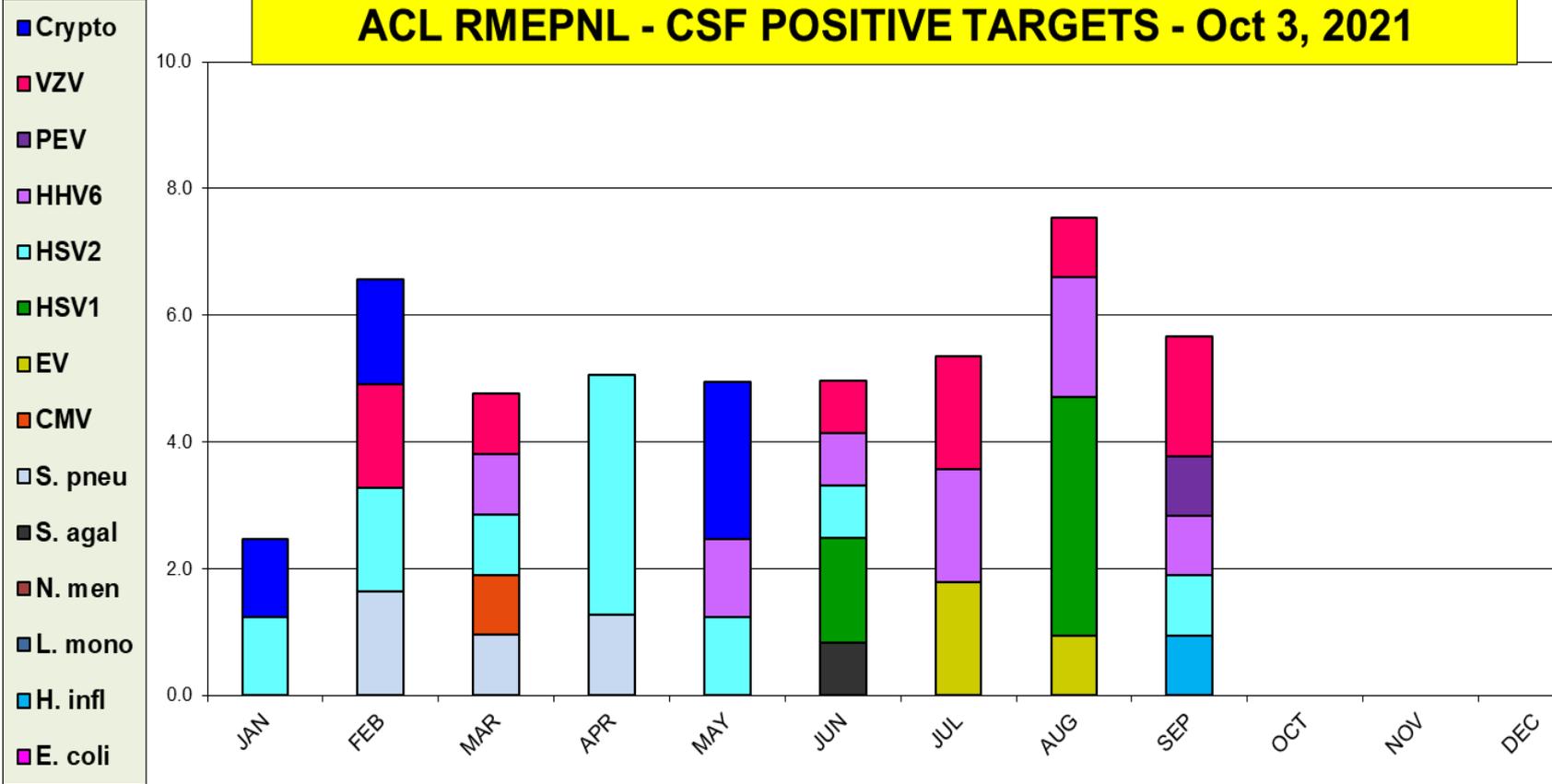
What's New for 2021-2022 - A few things are different for the 2021-2022 influenza (flu) season, including:

The composition of flu vaccines has been updated.

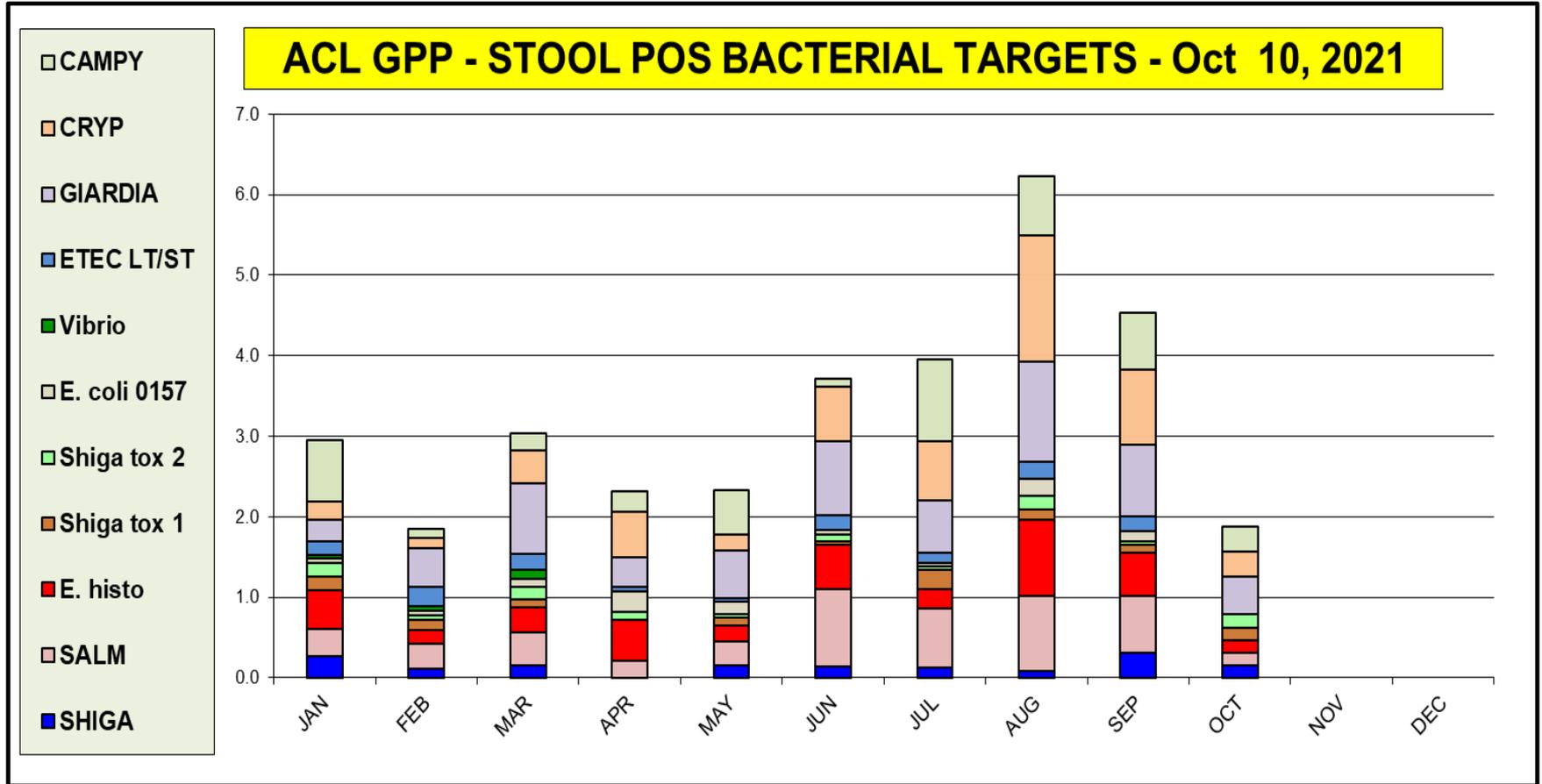
1. All flu vaccines will be **quadrivalent (four components)** for four different flu viruses.
2. Flucelvax Quadrivalent is now approved for people **2 years and older**.
3. **Flu and COVID-19** vaccines can be given at the same time.
4. Guidance concerning contraindications and precautions for the use of two flu vaccines – **Flucevax and Flublok Quadrivalent** – were updated.

CSF targets positivity rate is 5.7%

ACL RMEPNL - CSF POSITIVE TARGETS - Oct 3, 2021



The most prevalent GI bacterial target are (Giardia -0.5%)



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

