

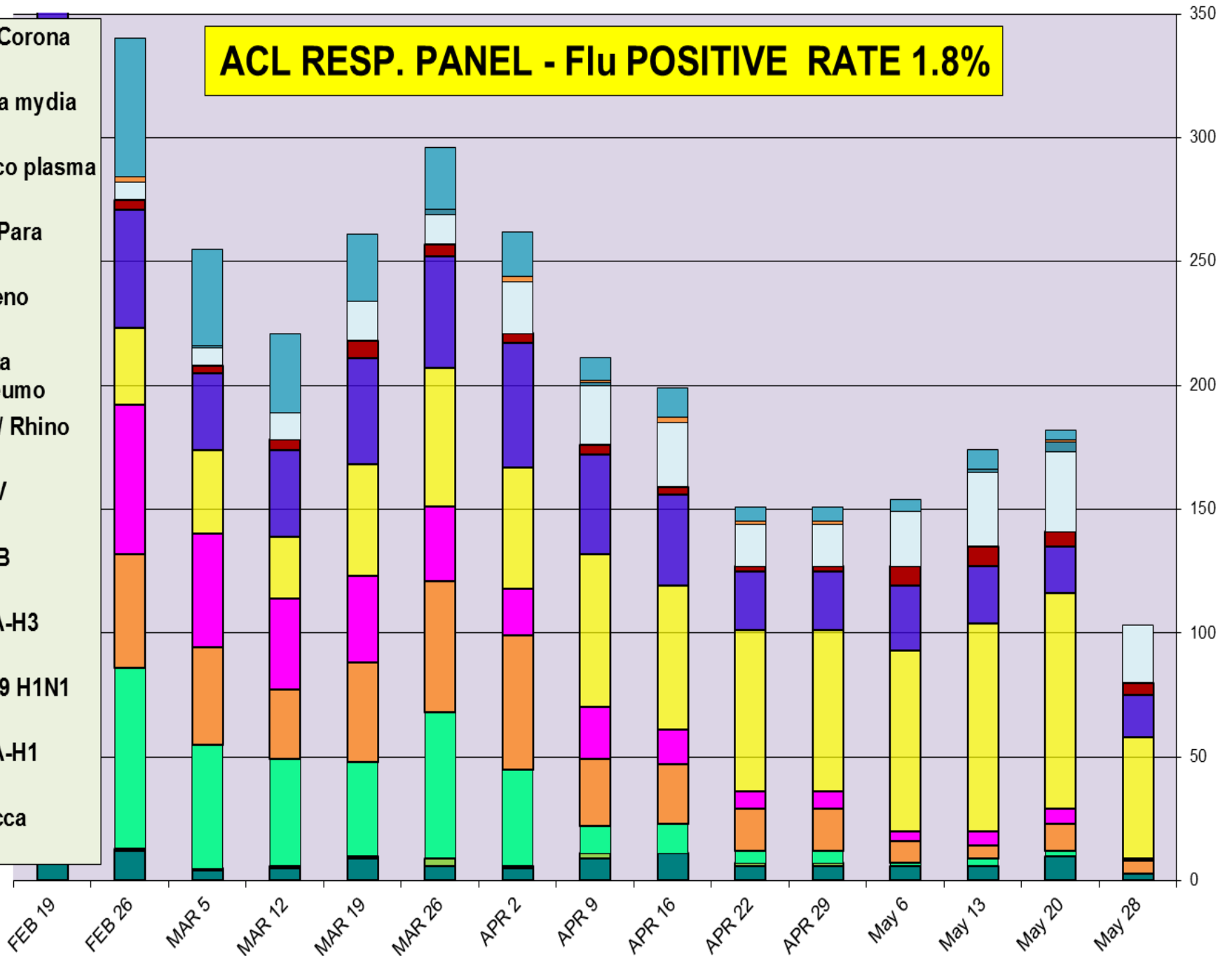
Respiratory Pathogens Data Feb 05- May 27 2017

Week Beginning	InfA-H1	InfA-H3	2009 H1N1	Inf B	RSV	All Para	EV / Rhino	Meta pneumo	Adeno	All Corona	Bocca	Myco plasma	Chla mydia	Total Pos	POS PCR	Total	ACL %FLU	US %FLU	IL/M %FLU	EIA %FLU
May 28	0	0	0	5	1	23	49	17	5	0	3	0	0	103	5	279	1.8	n/a	n/a	1.4
May 20	0	2	0	11	6	32	87	19	6	4	10	4	1	182	13	375	3.5	4.9	1.2	1.8
May 13	0	3	0	5	6	30	84	23	8	8	6	1	0	174	8	348	2.3	4.3	3.5	
May 6	0	1	0	9	4	22	73	26	8	5	6	0	0	154	10	323	3.1	6.0	4.3	
APR 29	0	5	1	17	7	17	65	24	2	6	6	0	1	151	23	373	6.2	6.7	7.9	4.0
APR 22	0	5	1	17	7	17	65	24	2	6	6	0	1	151	23	373	6.2	7.0	6.2	7.2
APR 16	0	12	0	24	14	26	58	37	3	12	11	0	2	199	36	384	9.4	9.6	25.0	15.5
APR 9	0	11	2	27	21	24	62	40	4	9	9	1	1	211	40	391	10.2	12.6	20.3	19.2
APR 2	0	39	1	54	19	21	49	50	4	18	5	0	2	262	94	457	20.6	15.2	23.8	20.6
MAR 26	0	59	3	53	30	12	56	45	5	25	6	2	0	296	115	511	22.5	18.4	24.9	25.9
MAR 19	0	38	1	40	35	16	45	43	7	27	9	0	0	261	79	421	18.8	17.3	25.1	28.0
MAR 12	0	43	1	28	37	11	25	35	4	32	5	0	0	221	72	427	16.9	18.3	27.3	26.1
MAR 5	0	50	1	39	46	7	34	31	3	39	4	1	0	255	90	497	18.1	18.6	28.9	26.7
FEB 26	0	73	1	46	60	7	31	48	4	56	12	0	2	340	120	510	23.5	24.2	29.2	30.6
FEB 19	0	122	2	40	71	10	61	40	9	60	17	2	1	435	164	584	28.1	24.0	26.3	30.9
FEB 12	0	92	3	26	63	12	59	34	8	72	7	3	1	380	121	578	20.9	24.2	21.1	29.4

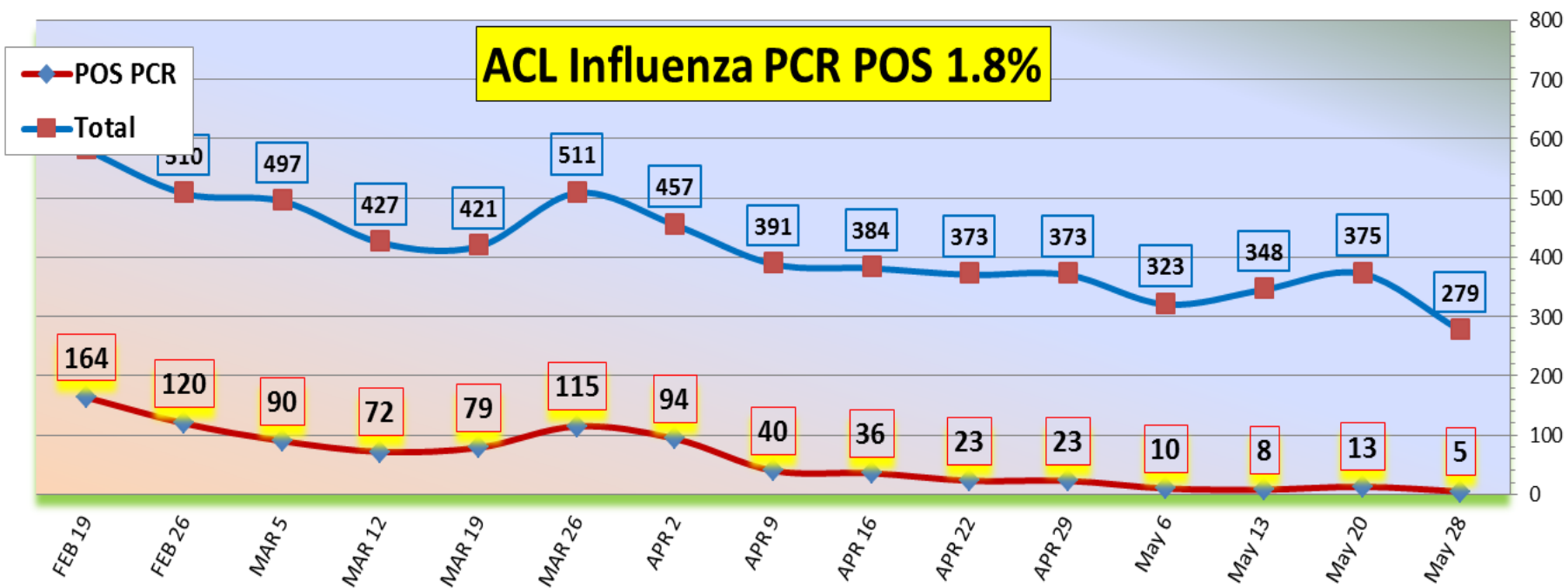
Flu PCR
% Rate

ACL RESP. PANEL - Flu POSITIVE RATE 1.8%

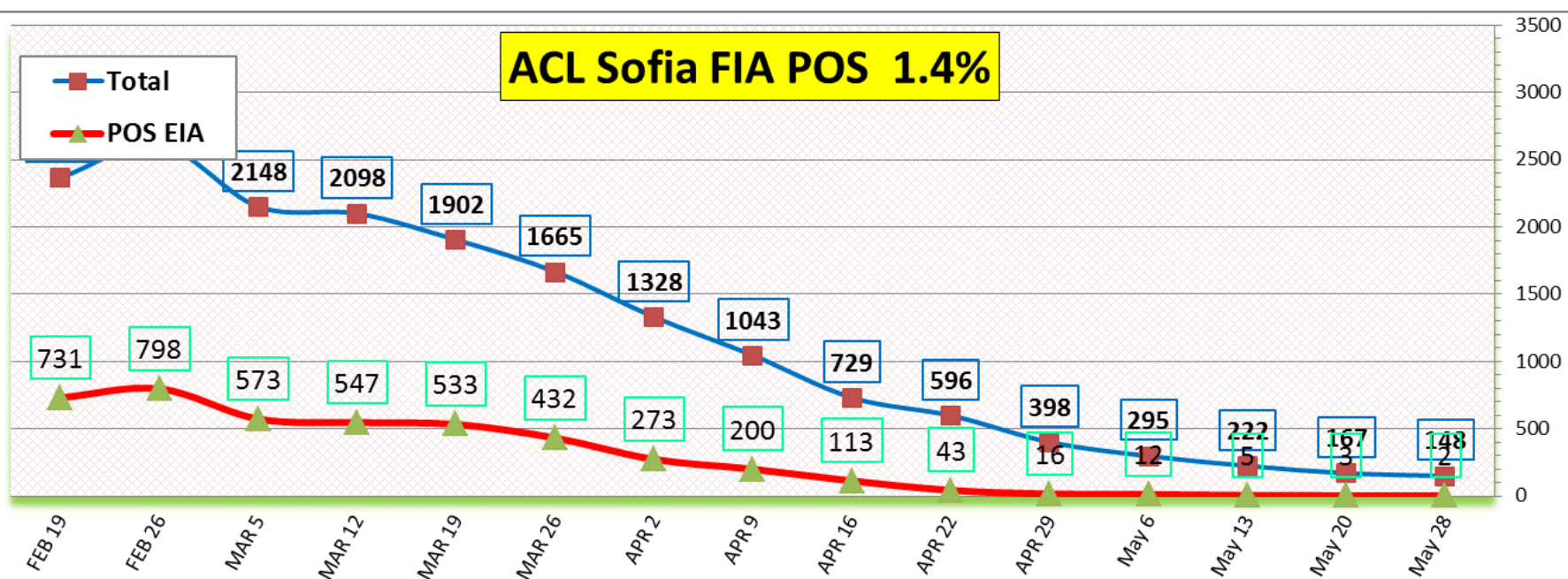
- All Corona
- Chla mydia
- Myco plasma
- All Para
- Adeno
- Meta pneumo
- EV / Rhino
- RSV
- Inf B
- InfA-H3
- 2009 H1N1
- InfA-H1
- Bocca

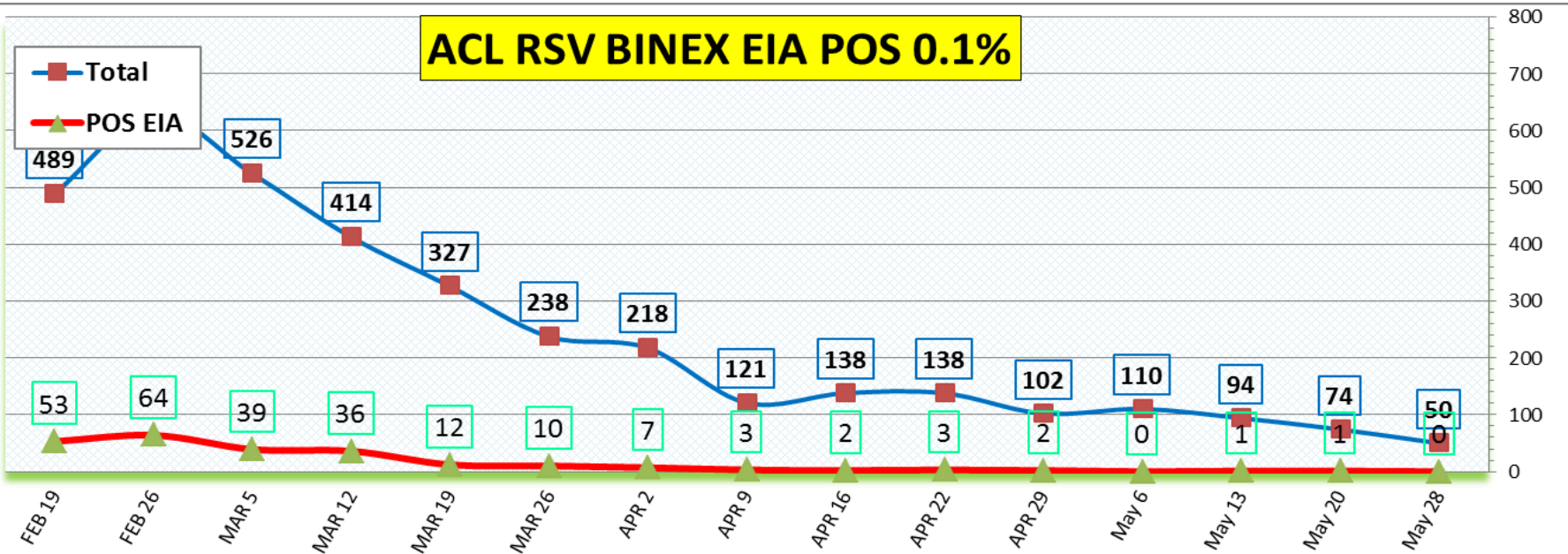
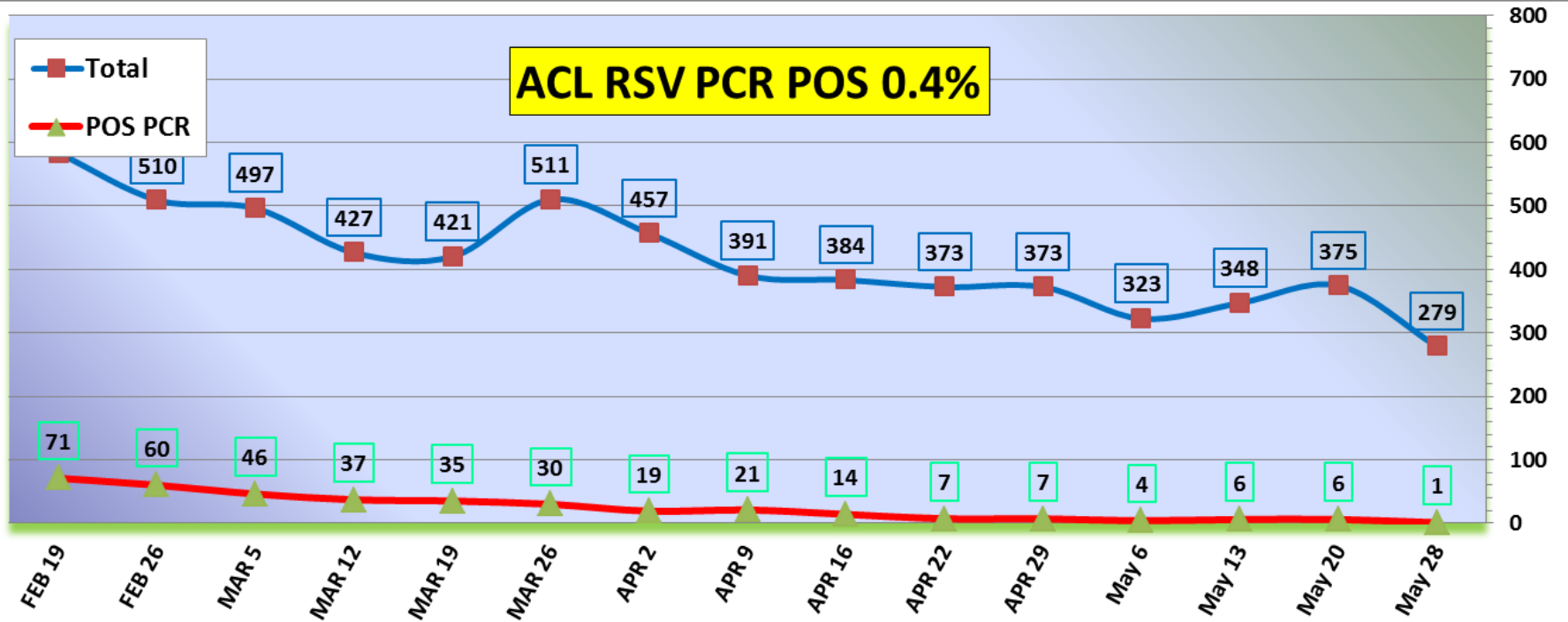


ACL Influenza PCR POS 1.8%



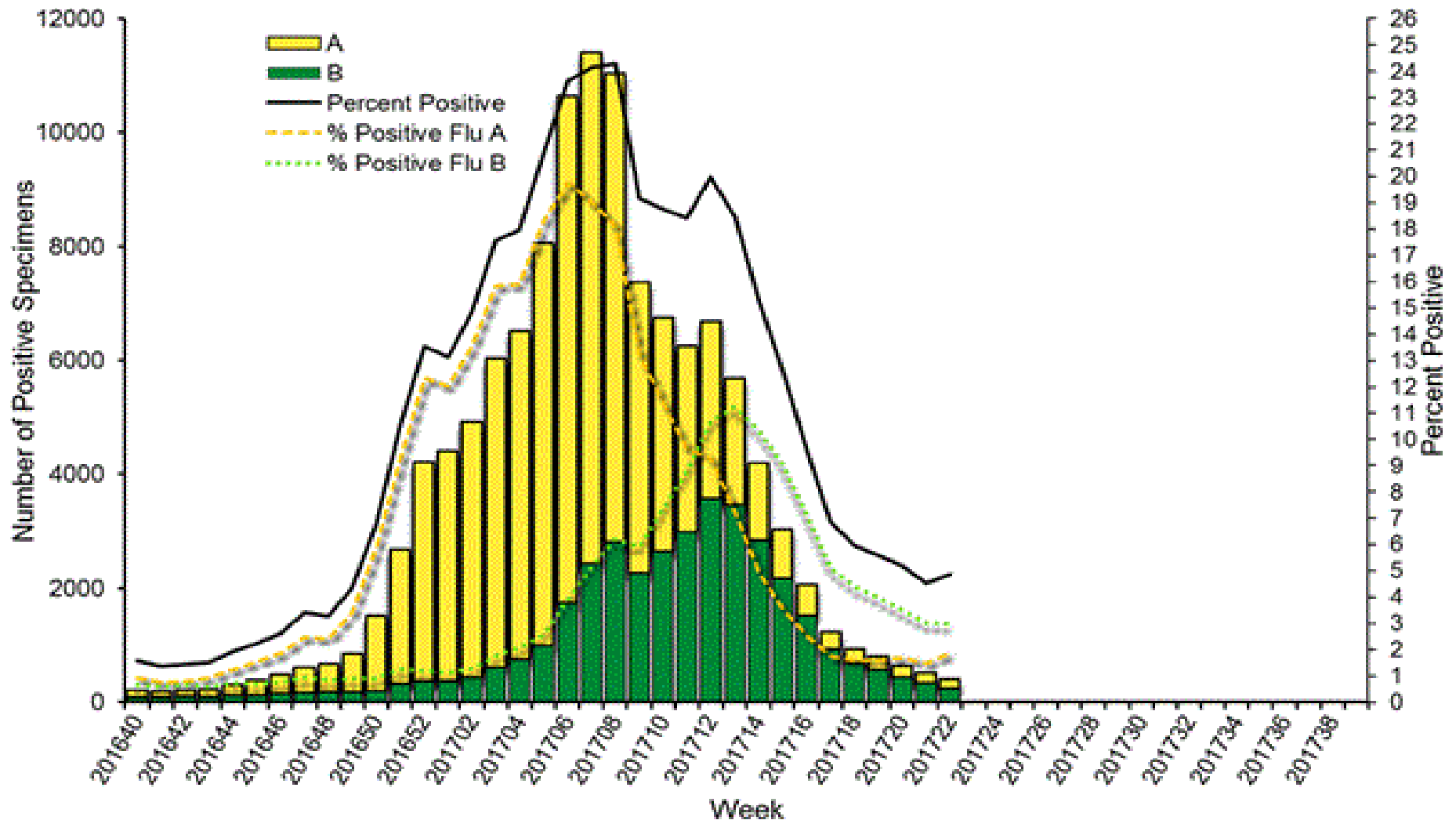
ACL Sofia FIA POS 1.4%





CDC May 20, 2017 Positivity rate 4.9% - Flu A – 34% (2009 H1N1 -7% , seasonal H3 -89%) Flu B – 66%

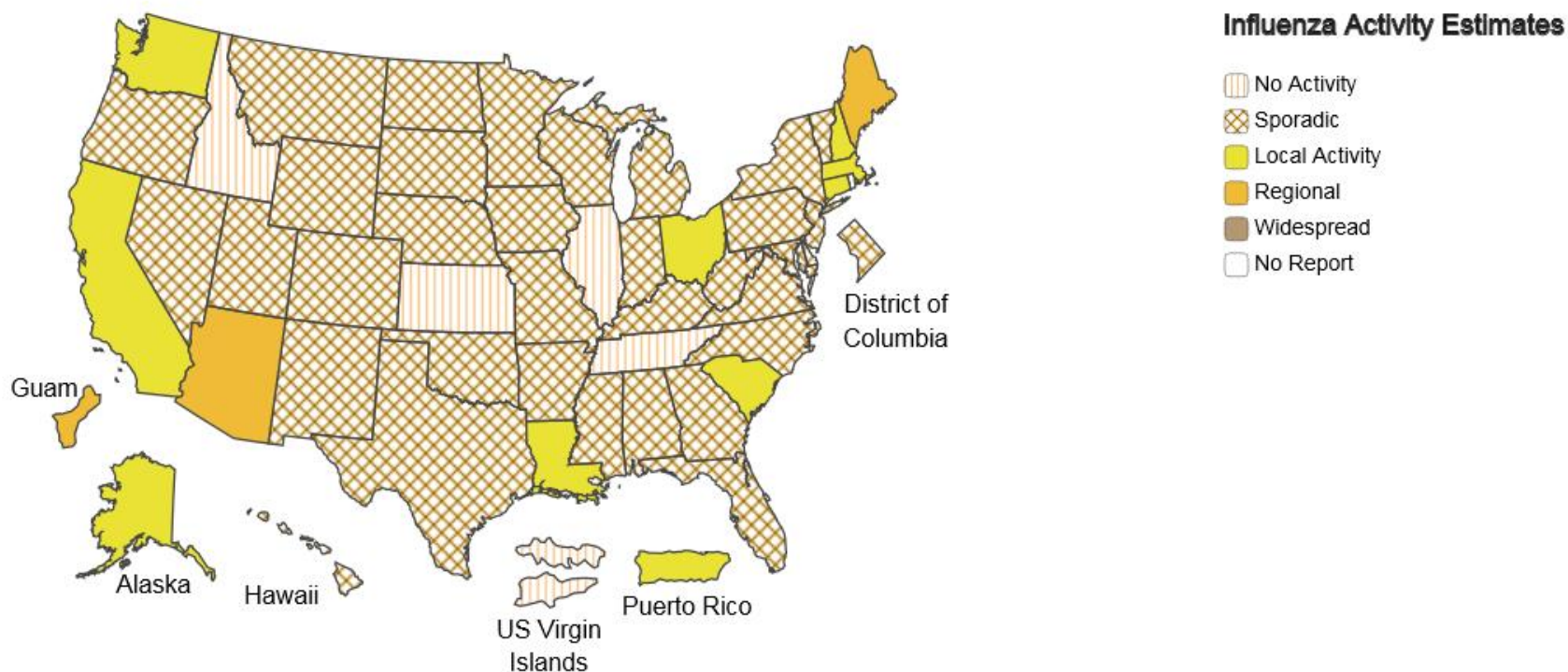
Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, 2016-2017 Season



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

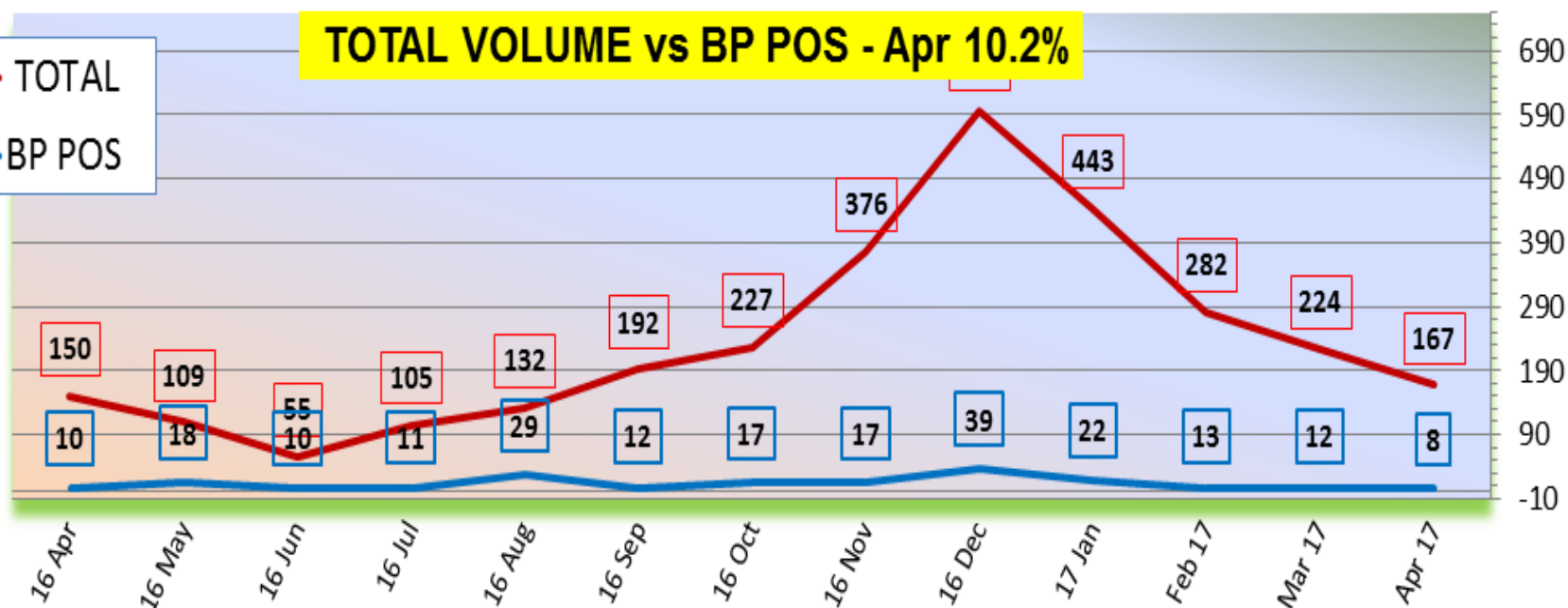
Week Ending May 20, 2017 - Week 20



*This map indicates geographic spread and does not measure the severity of influenza activity.

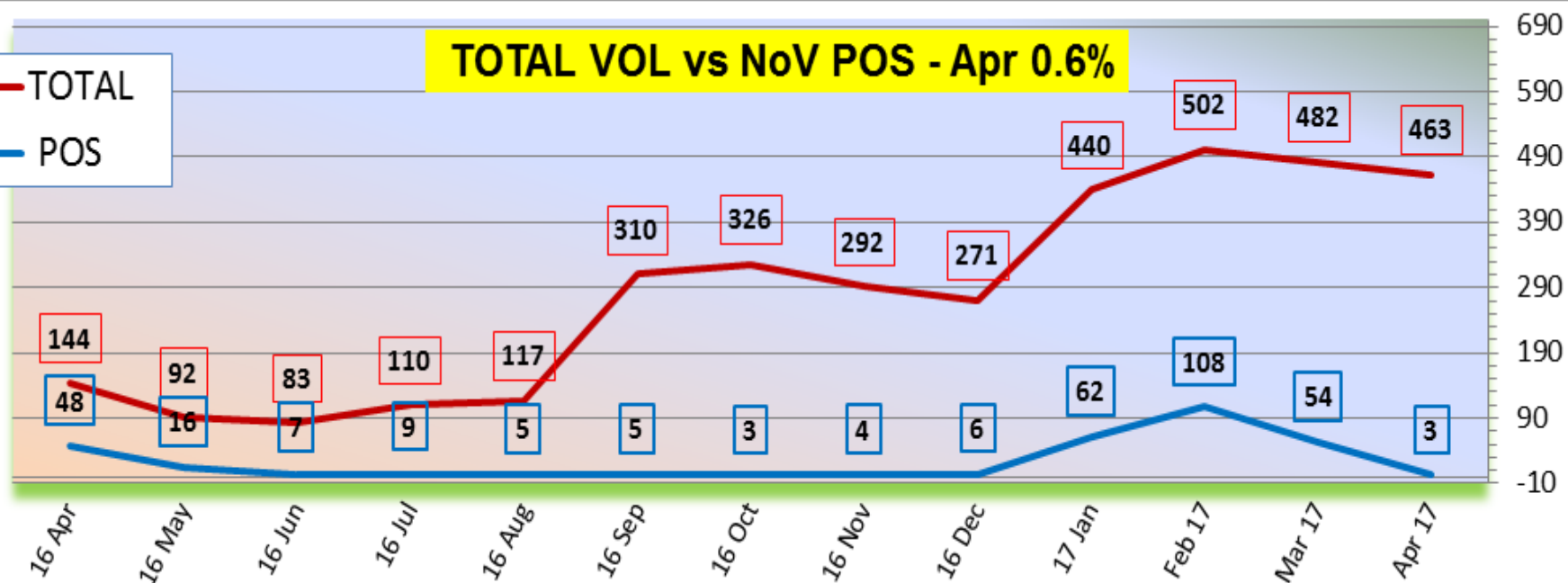
TOTAL VOLUME vs BP POS - Apr 10.2%

— TOTAL
— BP POS



TOTAL VOL vs NoV POS - Apr 0.6%

— TOTAL
— POS



Neuraminidase Inhibitors Resistance in Samples Collected - Oct 1- May 20, 2017

Per CDC website	Oseltamivir		Zanamivir		Peramivir	
	Virus Samples tested (n)	Resistant Viruses, (%)	Virus Samples tested (n)	Resistant Viruses, (%)	Virus Samples tested (n)	Resistant Viruses, (%)
Influenza A (H1N1)pdm09	324	0	324	0	324	0
Influenza A (H3N2)	2305	0	2305	0	1279	0
Influenza B	829	0	829	0	829	0

Update Mar - 2017 PAHO/CDC

Target	Source	Period	CDC	US % POS	ACL	ACL % POS	WI # cases	IL # cases
Locally acquired	US (endemic)	Jan 2015-Mar 2017	221	0.1				
Zika virus US import	US (travelers)	Jan 2015-Jan 2017	4,779	1.5	17	5.0	48	94
Zika virus US territory.	US (local)Puerto Rico	Jan 2015-Jan 2017	38,306	10.4	0			
Dengue US import	US (travelers)	01/26/17	1,021	0.3	3	0.9	n/a	n/a
Dengue US territory	US (local)Puerto Rico	01/26/17	71,794	19.5	0			
Chikungunya US import	US (travelers)	Jan 2015-Jan 2017	175	0.1	1	0.3	n/a	n/a
Chikungunya US territory	US (local)Puerto Rico	Jan 2015-Jan 2017	169	0.0	0			