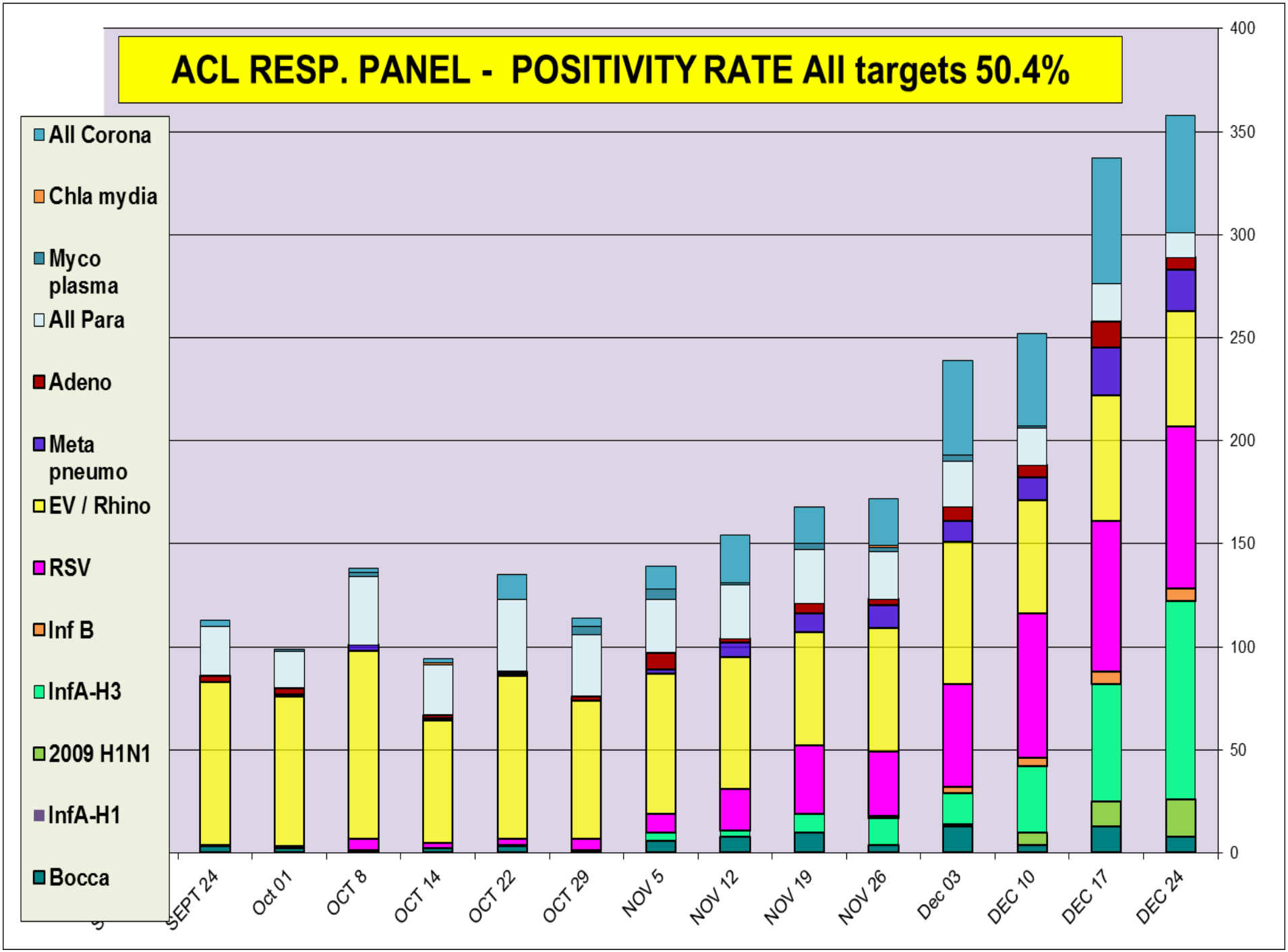
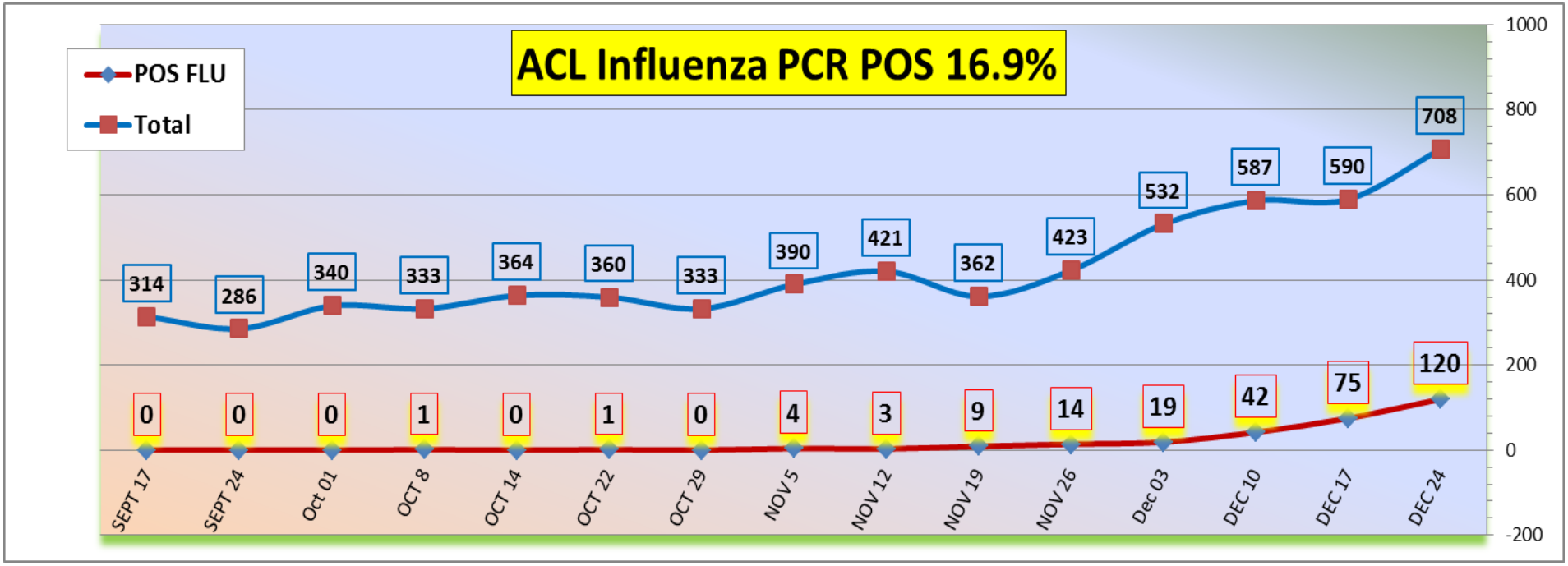
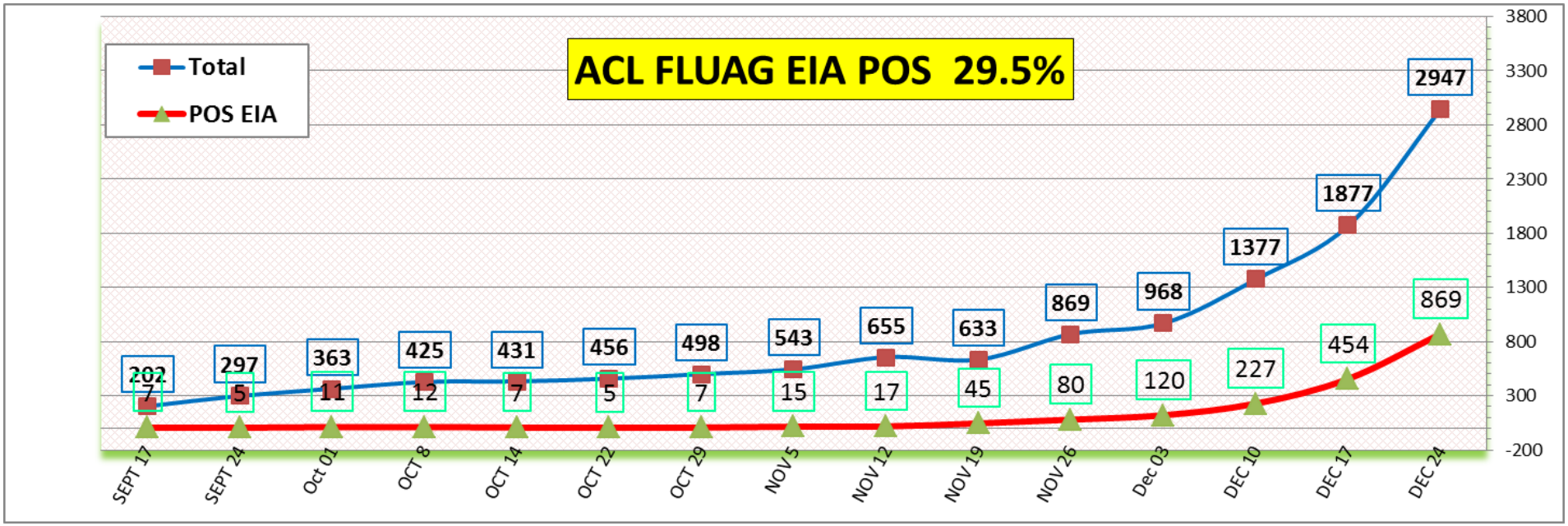
Respiratory Pathogens Data Sep 17-Dec 30 2017

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 FLU	Total	ACL %FLU	US %FLU	IL/WI %FLU	EIA %FLU
DEC 24	0	96	18	6	79	12	56	20	6	57	8	0	0	358	120	70	16.9	n/a	n/a	29.5
DEC 17	0	57	12	6	73	18	61	23	13	61	13	0	0	337	75	590	12.7	22.4	14.5	24.2
DEC 10	0	32	6	4	70	18	55	11	6	45	4	1	0	252	42	587	7.2	14.0	9.2	1
Dec 03	0	15	1	3	50	22	69	10	7	46	13	3	0	239	19	532	3.6	8.4	5.6	
NOV 26	0	13	0	1	31	23	60	11	3	23	4	2	1	172	14	423	3.3	6.7	3.9	9.2
NOV 19	0	9	0	0	33	26	55	9	5	18	10	3	0	168	9	362	2.5	7.2	2.7	7.1
NOV 12	0	3	0	0	20	26	64	7	2	23	8	1	0	154	3	421	0.7	4.4	1.2	2.6
NOV 5	0	4	0	0	9	26	68	2	8	11	6	5	0	139	4	390	1.0	4.4	1.2	2.8
OCT 29	0	0	0	0	6	30	67	0	2	4	1	4	0	114	0	333	0.0	3.4	1.0	1.4
OCT 22	0	1	0	0	3	35	79	1	1	12	3	0	0	135	1	360	0.3	2.9	0.9	1.1
OCT 14	0	0	0	0	3	24	59	1	2	2	2	0	1	94	0	364	0.0	2.5	0.9	1.6
OCT 8	0	0	1	0	6	33	91	3	0	2	0	2	0	138	1	333	0.3	2.7	1.8	2.8
Oct 01	0	0	0	0	1	18	73	1	3	0	2	1	0	99	0	340	0.0	2.0	1.0	3.0
SEPT 24	0	0	0	0	1	24	79	0	3	3	3	0	0	113	0	286	0.0	1.6	1.2	1.7
SEPT 17	0	0	0	0	3	9	93	1	4	0	3	1	0	114	0	314	0.0	1.6	1.3	3.5

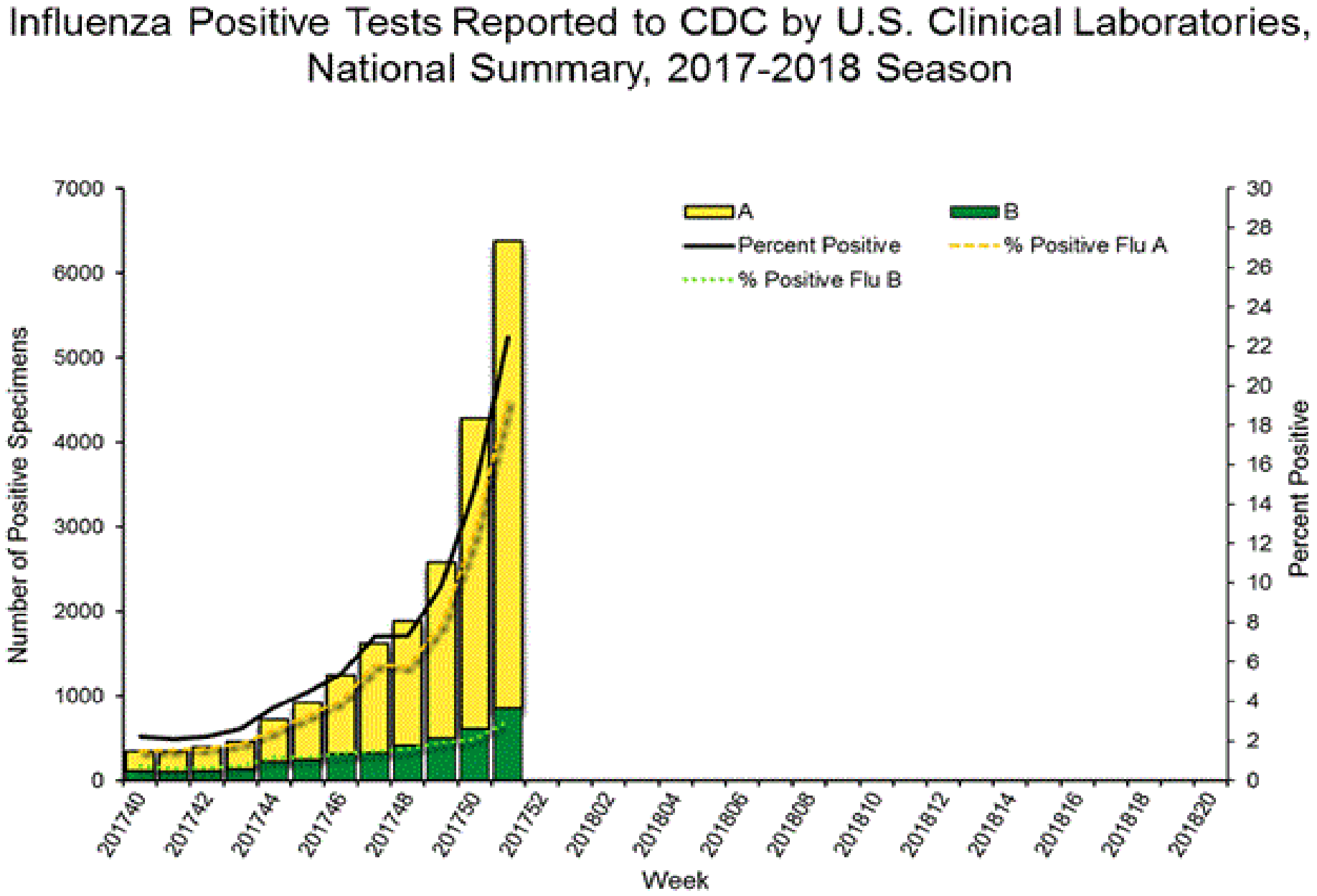
Flu PCR % Rate


ACL RESP. PANEL - POSITIVITY RATE All targets 50.4%
All Corona
Chla mydia
Myco plasma
All Para
Adeno
Meta pneumo
EV / Rhino
RSV
Inf B
InfA-H3
2009 H1N1
InfA-H1
Bocca
400
350
300
250
200
150
100
50
0
SEPT 24
Oct 01
OCT 8
OCT 14
OCT 22
OCT 29
NOV 5
NOV 12
NOV 19
NOV 26
Dec 03
DEC 10
DEC 17
DEC 24


ACL Influenza PCR POS 16.9%
POS FLU
Total
314
286
340
333
364
360
333
390
421
362
423
532
587
590
708
0
0
0
1
0
1
0
4
3
9
14
19
42
75
120
SEPT 17
SEPT 24
Oct 01
OCT 8
OCT 14
OCT 22
OCT 29
NOV 5
NOV 12
NOV 19
NOV 26
Dec 03
DEC 10
DEC 17
DEC 24
1000
800
600
400
200
0
-200


ACL FLUAG EIA POS 29.5%
Total
POS EIA
202
297
363
425
431
456
498
543
655
633
869
968
1377
1877
2947
7
5
11
12
7
5
7
15
17
45
80
120
227
454
869
SEPT 17
SEPT 24
Oct 01
OCT 8
OCT 14
OCT 22
OCT 29
NOV 5
NOV 12
NOV 19
NOV 26
Dec 03
DEC 10
DEC 17
DEC 24
3800
3300
2800
2300
1800
1300
800
300
-200

CDC Dec 24, 2017 **Positivity rate 22.4% -** **Flu A – 87% (***2009 H1N1 -8% , seasonal H3 -89%)* **Flu B – 13.0%**

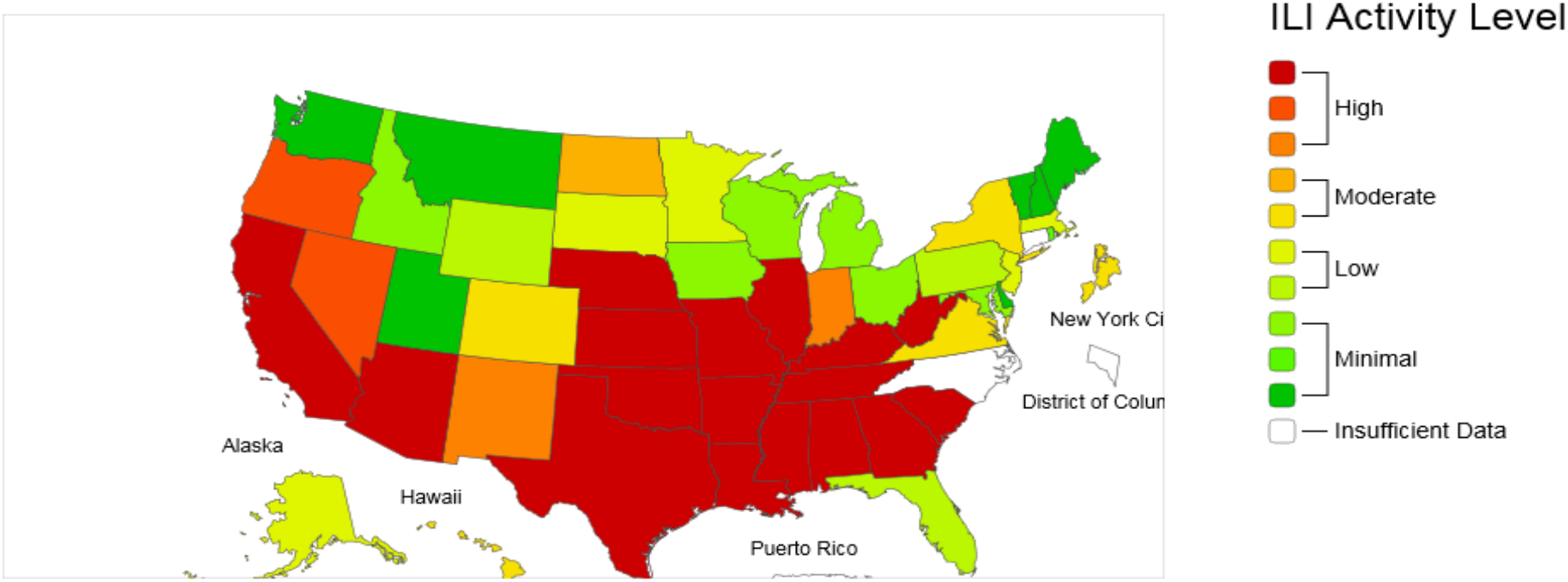


FluView

A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet

2017-18 Influenza Season Week 51 ending Dec 23, 2017



*This map uses the proportion of outpatient visits to healthcare providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

*Data collected in ILINet may disproportionately represent certain populations within a state, and therefore may not accurately depict the full picture of influenza activity for the whole state.

*Data displayed in this map are based on data collected in ILINet, whereas the State and Territorial flu activity map are based on reports from state and territorial epidemiologists. The data presented in this map is preliminary and may change as more data is received.

*Differences in the data presented by CDC and state health departments likely represent differing levels of data completeness with data presented by the state likely being the more complete.

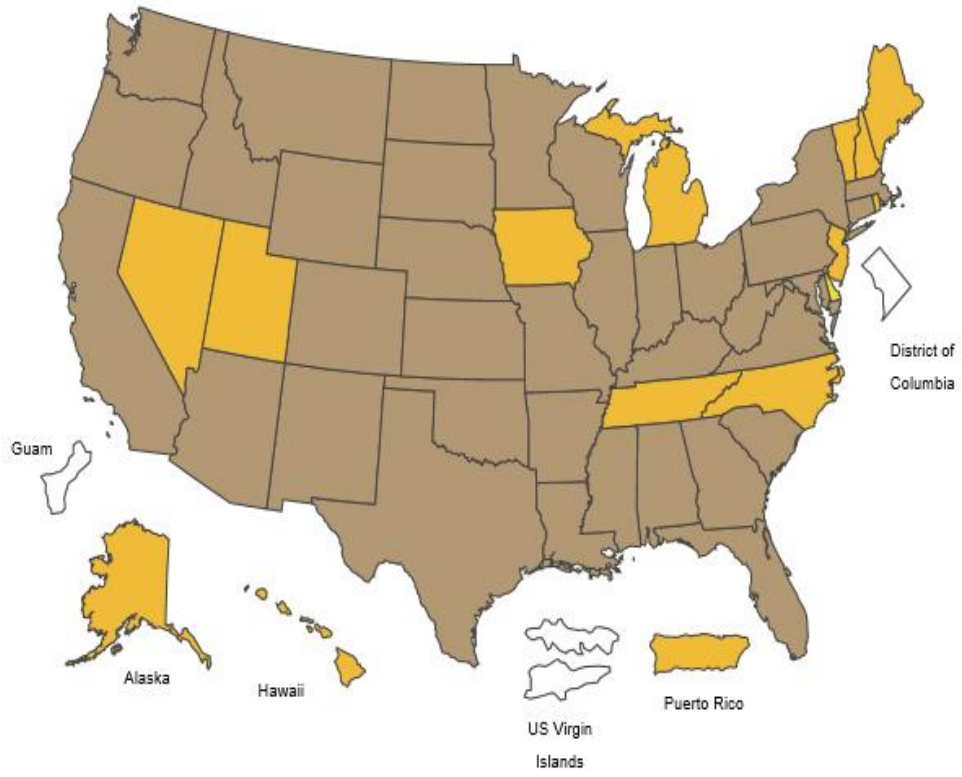
*For the data download you can use Activity Level for the number and Activity Level Label for the text description.

FluView

A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

Week Ending Dec 23, 2017 - Week 51

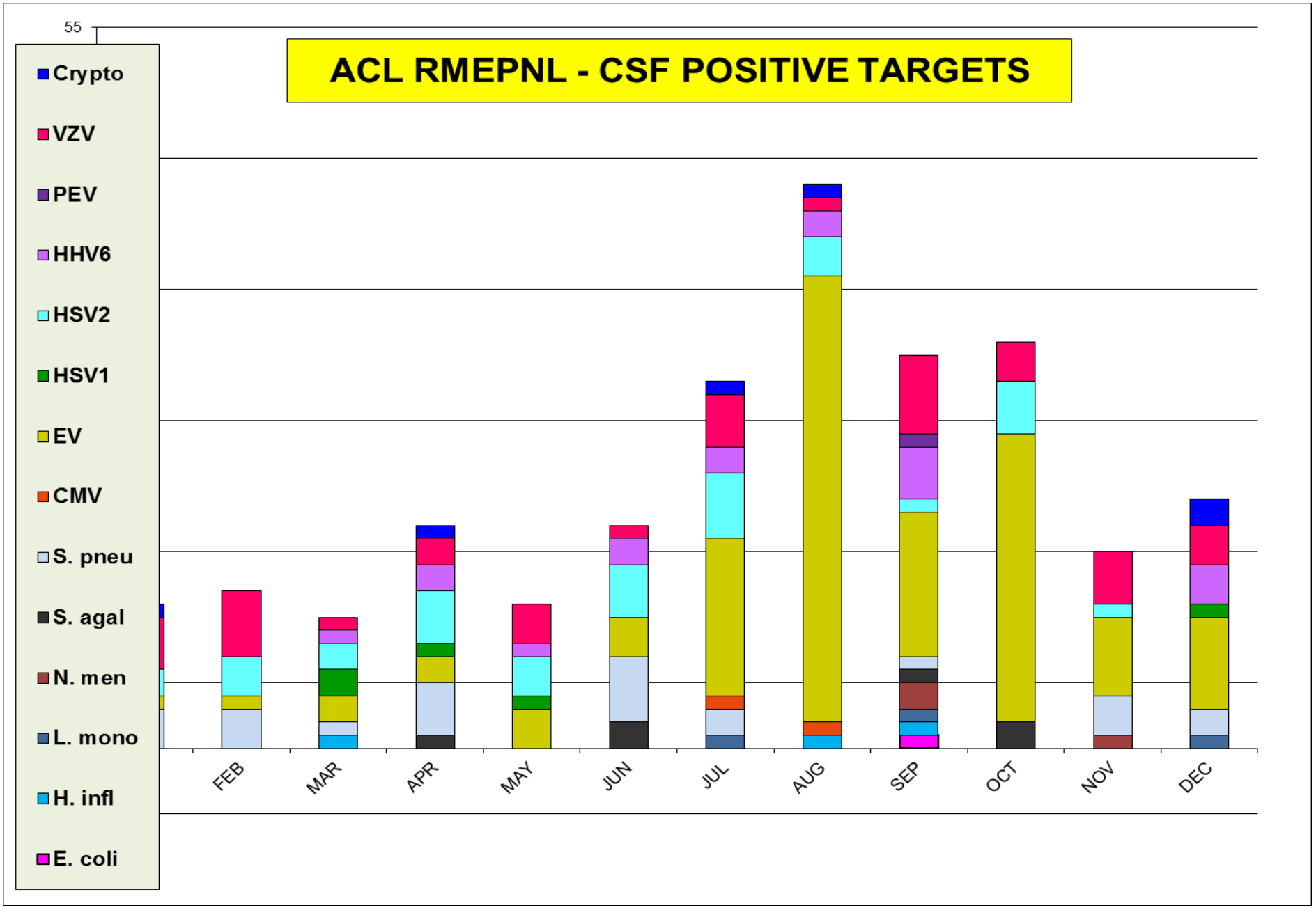


Influenza Activity Estimates

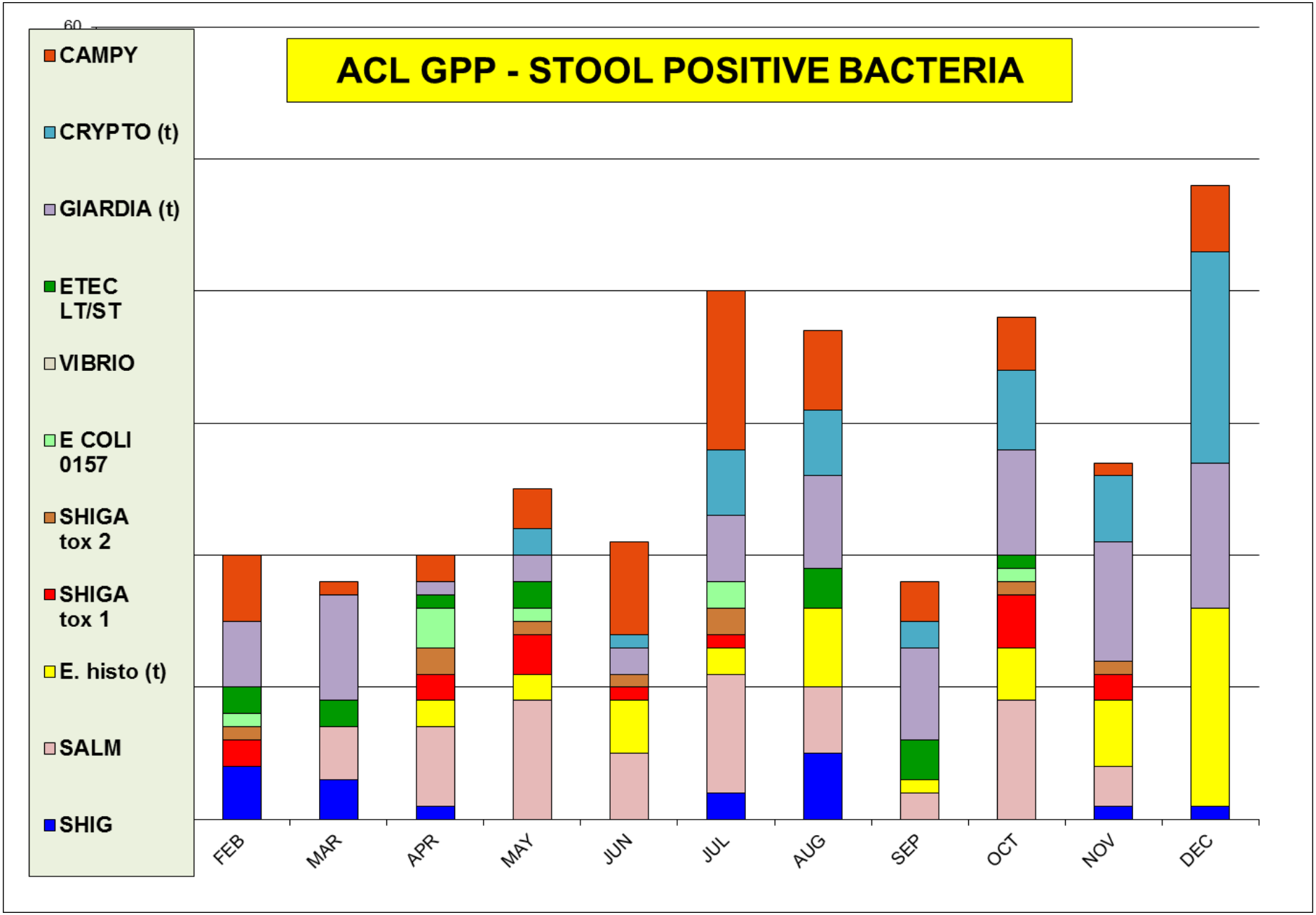
- No Activity
- Sporadic
- Local Activity
- Regional
- Widespread
- No Report

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

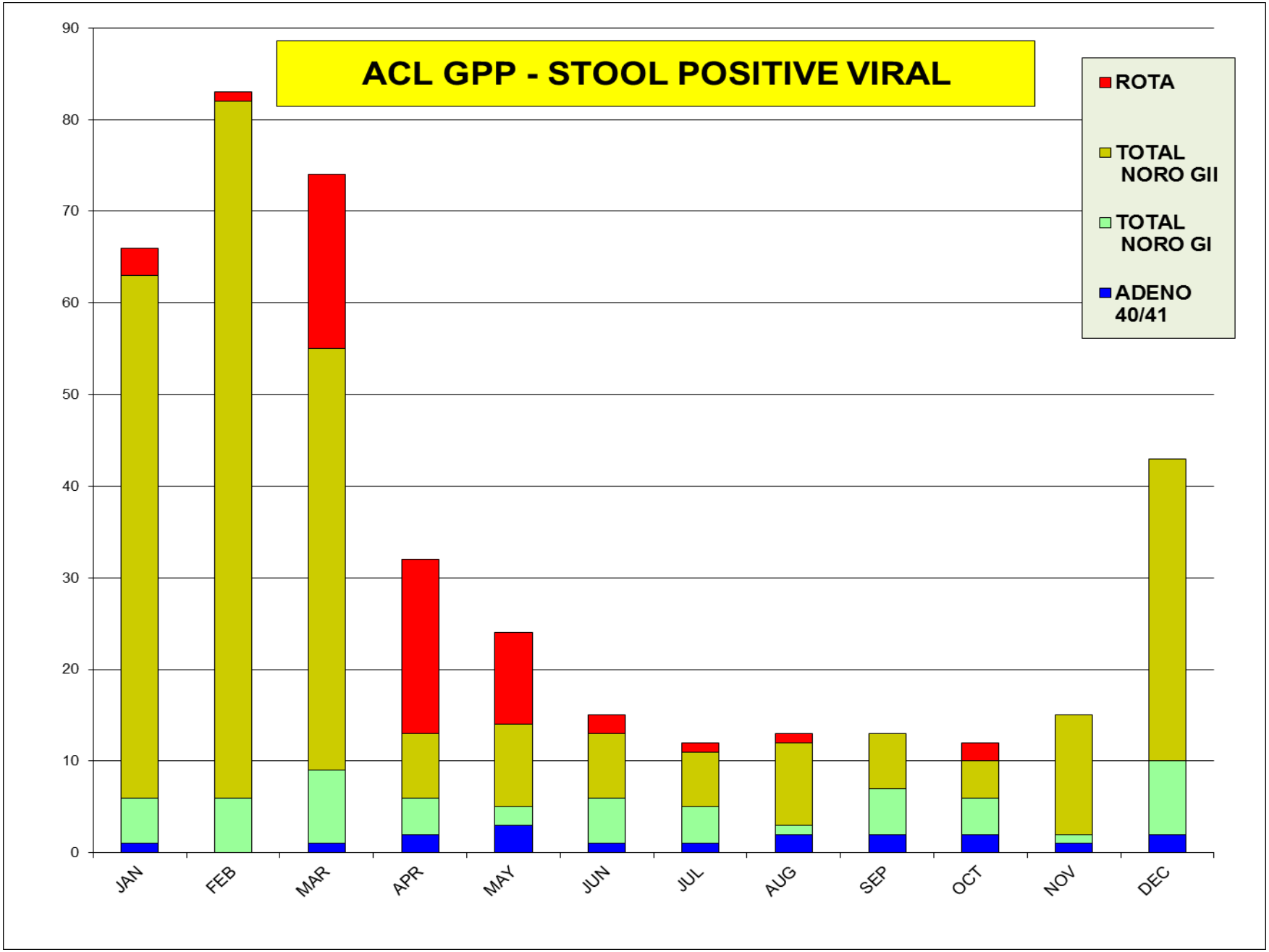
The most prevalent target as **Dec 30th are; Enterovirus, HHV6** (positivity rate 19%)

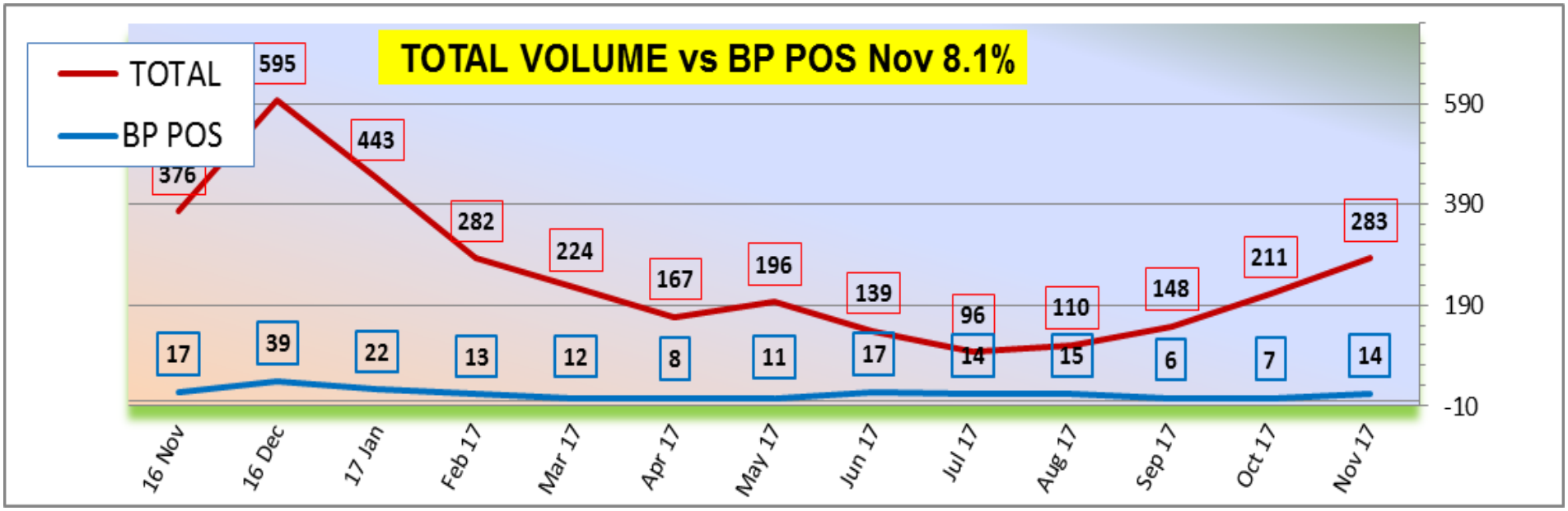


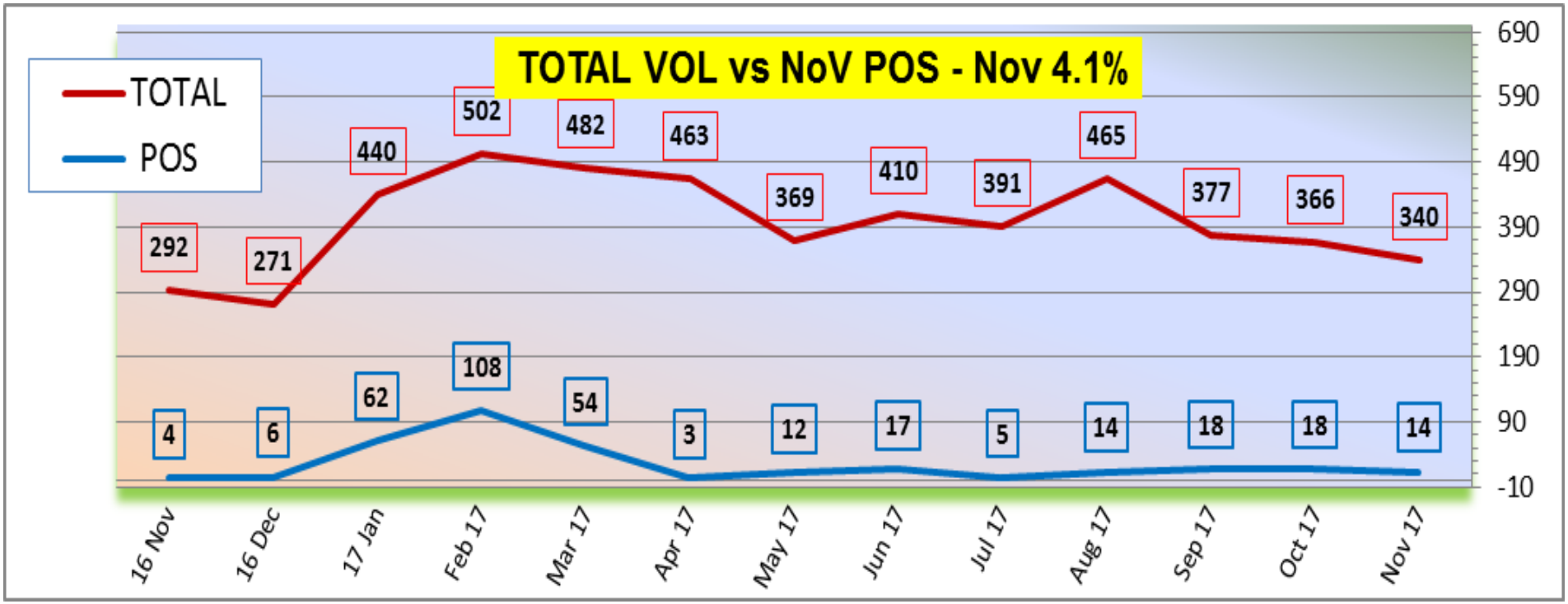
The most prevalent targets as **Dec 30** are**; Cryptosporidium and E. histolytica**



The most prevalent target as **Dec 30^{h}** are; **NORO GII and GI virus**




TOTAL VOLUME vs BP POS Nov 8.1%
TOTAL
BP POS
595
443
376
282
224
167
196
139
96
110
148
211
283
17
39
22
13
12
8
11
17
14
15
6
7
14
590
390
190
-10
16 Nov
16 Dec
17 Jan
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17


TOTAL VOL vs NoV POS - Nov 4.1%
TOTAL
POS
292
271
440
502
482
463
369
410
391
465
377
366
340
4
6
62
108
54
3
12
17
5
14
18
18
14
690
590
490
390
290
190
90
-10
16 Nov
16 Dec
17 Jan
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17

Neuraminidase Inhibitors Resistance in Samples Collected - Oct 1- Dec 24, 2017,

No resistance – detected

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	97	0	85	0	97	0
Influenza A (H3N2)	437	0	437	0	350	0
Influenza B	118	0	118	0	118	0

UpdateDec - 2017 PAHO/CDC								
Target	Source	Period	CDC	US % POS	ACL 2017	ACL % POS	WSLH # cases	IDPH # cases
Locally acquired	US (endemic)	Jan-Dec 2017	2	0.00				
Zika virus US import	US (travelers)	Jan-Dec 2017	367	0.11	2	0.4	4	6
Zika virus US territory.	US (local)Puerto Rico	Jan-Dec 2017	595	0.16				
Dengue US import	US (travelers)	Jan-Dec 2017	190	0.06	4	0.8	n/a	n/a
Dengue US territory	US (local)Puerto Rico9	Jan-Dec 2017	9	0.00				
Chikungunya US import	US (travelers)	Jan-Dec 2017	85	0.03	4	0.8	n/a	n/a
Chikungunya US territory	US (local)Puerto Rico	Jan-Dec 2017	32	0.01				