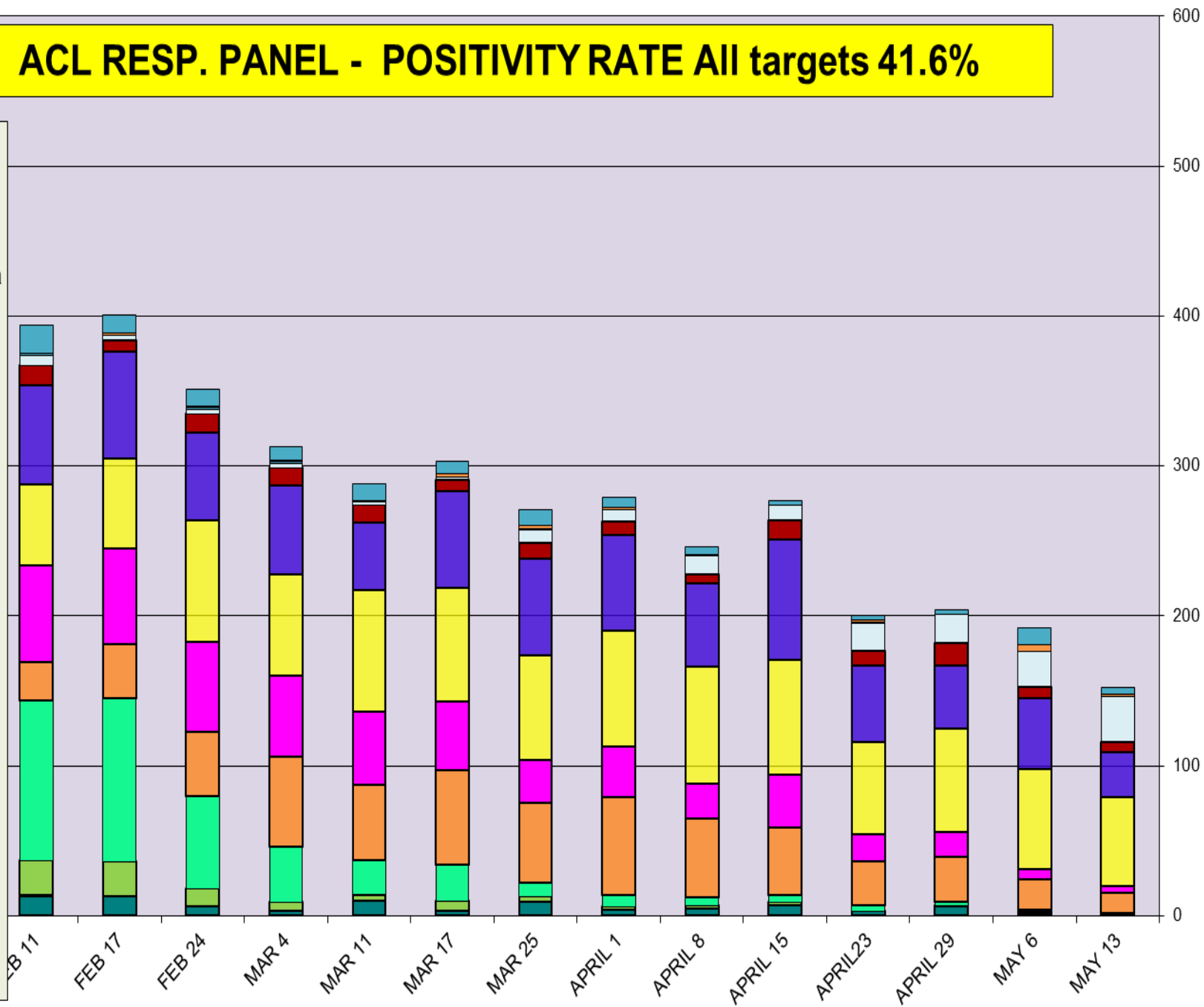
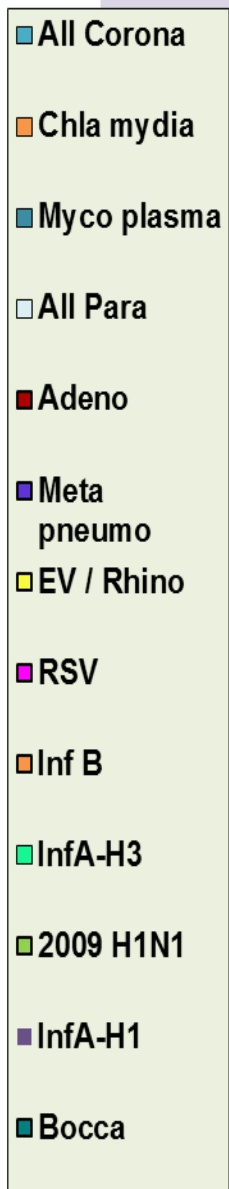


## Respiratory Pathogens Data Feb 4 - May 18 2018

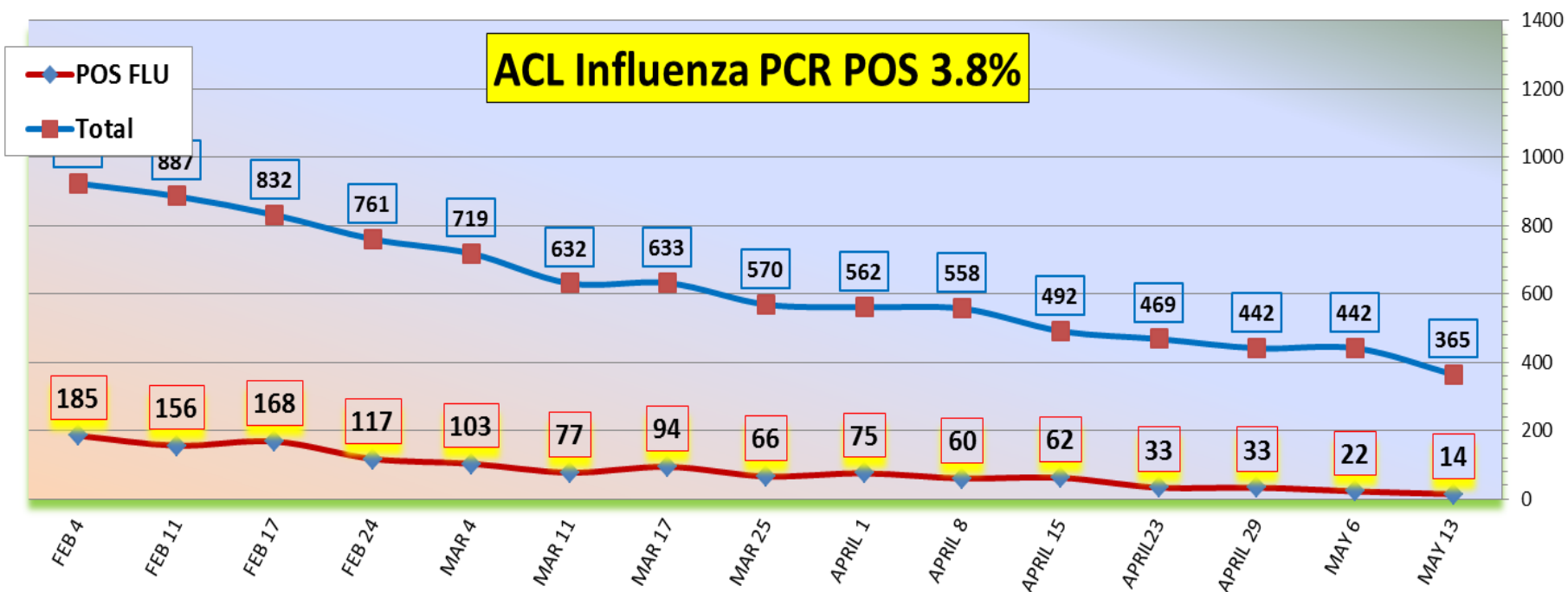
| Week Beginning | InfA-H1 | InfA-H3 | 2009 H1N1 | Inf B | RSV | All Para | EV/ Rhino | Meta pneumo | Adeno | All Corona | Bocca | Mycoplasma | Chlamydia | Total Pos | POS FLU | Total | ACL %FLU | US %FLU | IL/WI PCR | Sofia EIA |
|----------------|---------|---------|-----------|-------|-----|----------|-----------|-------------|-------|------------|-------|------------|-----------|-----------|---------|-------|----------|---------|-----------|-----------|
| MAY 13         | 0       | 1       | 0         | 13    | 5   | 30       | 59        | 30          | 7     | 4          | 1     | 0          | 2         | 152       | 14      | 365   | 3.8      | n/a     | n/a       | 5.2       |
| MAY 6          | 0       | 1       | 1         | 20    | 7   | 23       | 67        | 47          | 8     | 11         | 2     | 0          | 5         | 192       | 22      | 442   | 5.0      | 3.9     | 10.3      | 8.6       |
| APRIL 29       | 0       | 2       | 1         | 30    | 17  | 19       | 69        | 42          | 15    | 3          | 6     | 0          | 0         | 204       | 33      | 442   | 7.5      | 6.5     | 13.1      | 13.1      |
| APRIL 23       | 0       | 4       | 0         | 29    | 18  | 18       | 62        | 51          | 10    | 3          | 3     | 1          | 1         | 200       | 33      | 469   | 7.0      | 7.4     | 15.1      | 15.1      |
| APRIL 15       | 0       | 5       | 2         | 45    | 35  | 10       | 77        | 80          | 13    | 3          | 7     | 0          | 0         | 287       | 62      | 492   | 10.6     | 8.9     | 16.9      | 14.6      |
| APRIL 8        | 0       | 5       | 2         | 53    | 23  | 12       | 78        | 56          | 6     | 5          | 5     | 0          | 1         | 256       | 60      | 558   | 10.8     | 10.9    | 19.7      | 18.0      |
| APRIL 1        | 0       | 8       | 2         | 65    | 34  | 8        | 77        | 64          | 9     | 7          | 4     | 0          | 1         | 279       | 75      | 562   | 13.3     | 12.8    | 22.0      | 25.1      |
| MAR 25         | 0       | 9       | 4         | 53    | 29  | 8        | 70        | 64          | 11    | 11         | 9     | 1          | 2         | 271       | 66      | 570   | 11.6     | 15.4    | 22.8      | 21.0      |
| MAR 17         | 0       | 24      | 7         | 63    | 46  | 2        | 76        | 64          | 8     | 8          | 3     | 0          | 2         | 303       | 94      | 633   | 14.8     | 14.7    | 21.3      | 22.9      |
| MAR 11         | 0       | 23      | 4         | 50    | 49  | 2        | 81        | 45          | 12    | 11         | 10    | 1          | 0         | 288       | 77      | 632   | 12.2     | 15.3    | 21.6      | 22.8      |
| MAR 4          | 0       | 37      | 6         | 60    | 54  | 3        | 68        | 59          | 12    | 9          | 3     | 1          | 1         | 313       | 103     | 719   | 14.3     | 15.0    | 24.3      | 22.9      |
| FEB 24         | 0       | 62      | 12        | 43    | 60  | 3        | 81        | 58          | 13    | 11         | 6     | 1          | 1         | 351       | 117     | 761   | 15.4     | 18.3    | 25.8      | 25.5      |
| FEB 17         | 0       | 109     | 23        | 36    | 64  | 3        | 60        | 71          | 8     | 12         | 13    | 0          | 2         | 401       | 168     | 832   | 20.2     | 21.6    | 29.0      | 28.6      |
| FEB 11         | 1       | 107     | 23        | 25    | 65  | 7        | 54        | 66          | 13    | 19         | 13    | 1          | 0         | 394       | 156     | 887   | 17.6     | 25.4    | 29.6      | 28.6      |
| FEB 4          | 0       | 119     | 26        | 40    | 90  | 5        | 77        | 51          | 19    | 30         | 11    | 1          | 0         | 469       | 185     | 924   | 20.0     | 26.5    | 30.1      | 31.2      |

Flu PCR  
% Rate

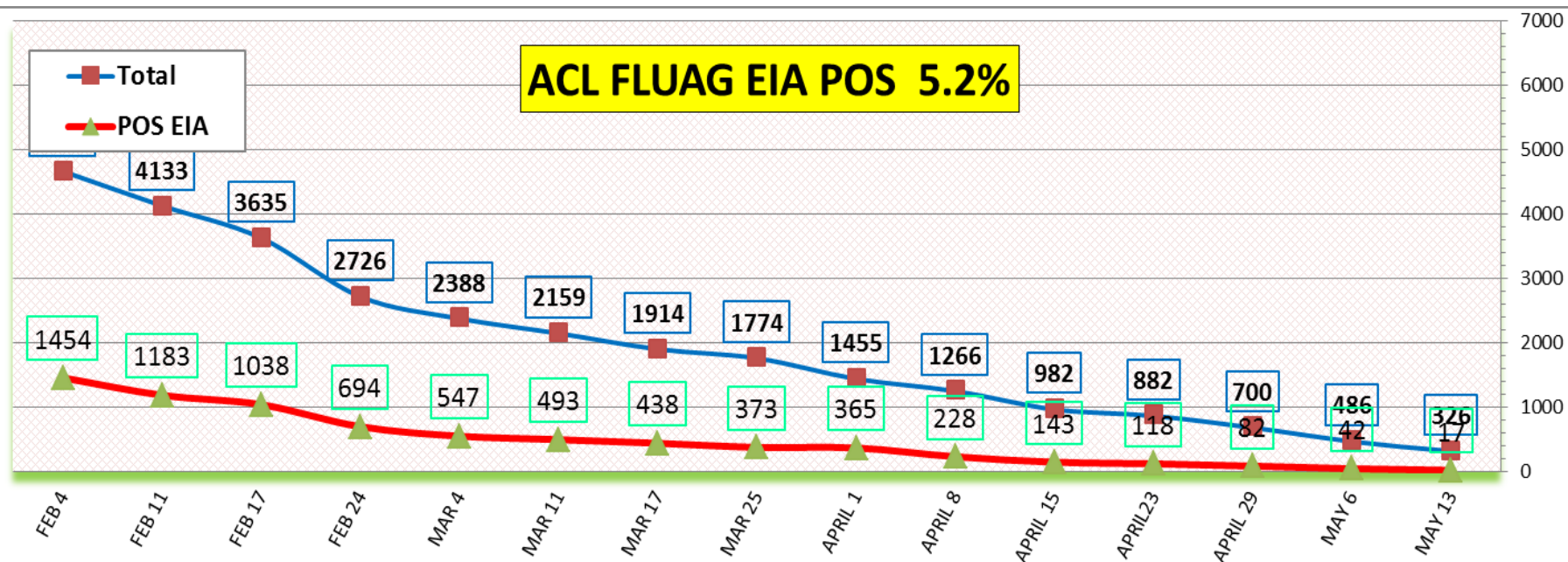
# ACL RESP. PANEL - POSITIVITY RATE All targets 41.6%



## ACL Influenza PCR POS 3.8%

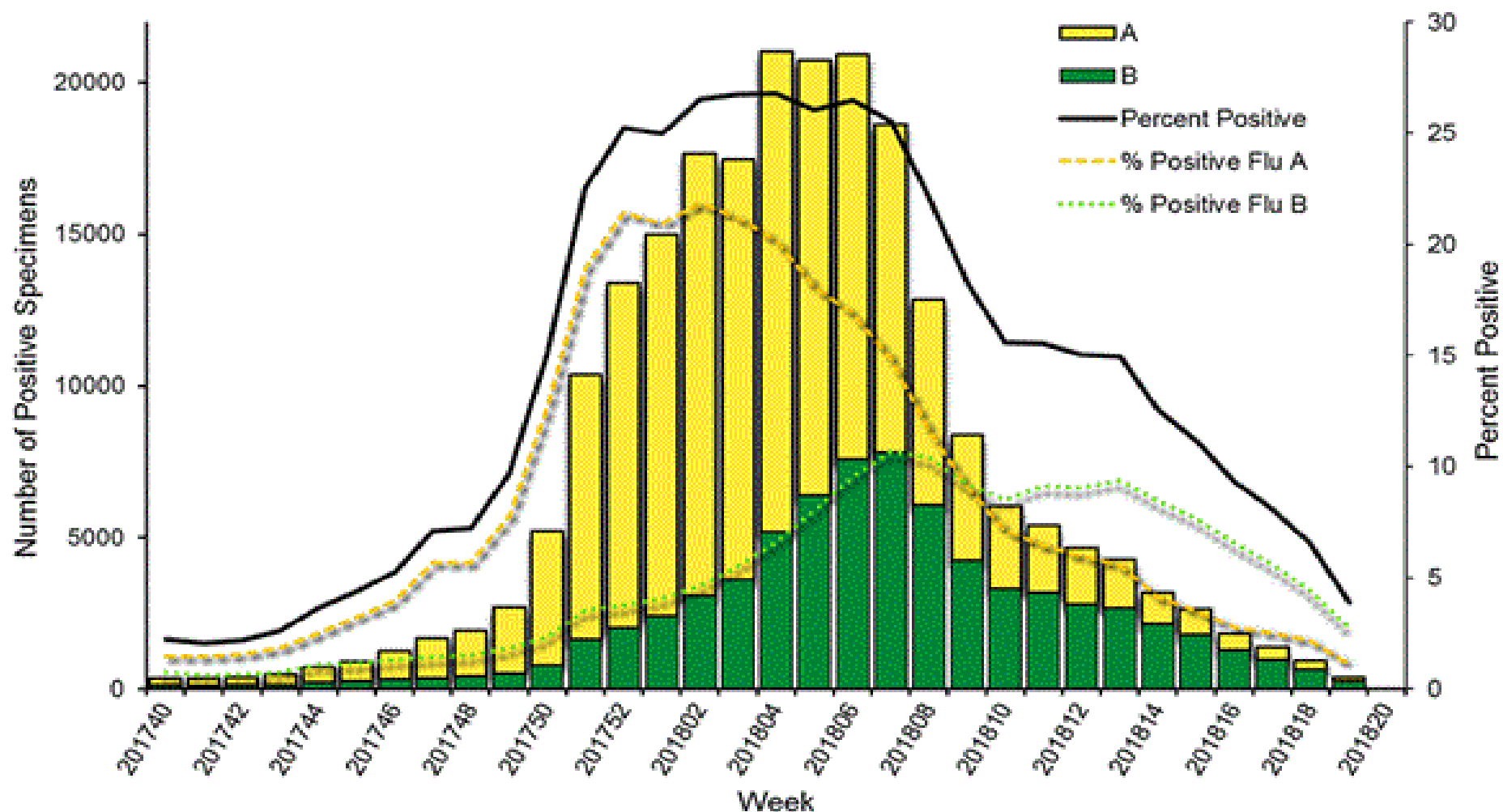


## ACL FLUAG EIA POS 5.2%

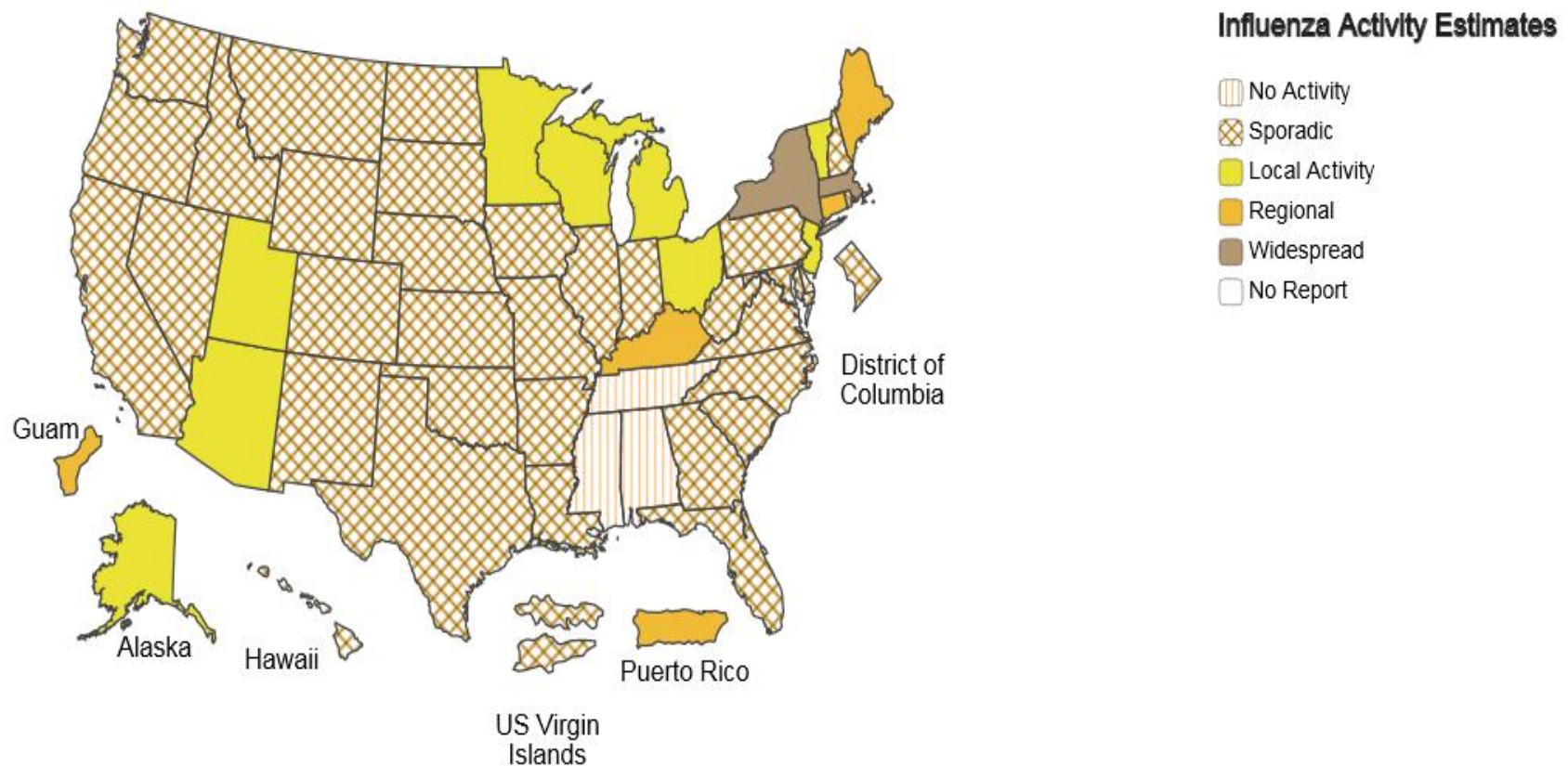


CDC May 12, 2018 **Positivity rate 3.9%** - Flu A – 30% (2009 H1N1 -46% , seasonal H3 -46%) Flu B – 70%

## Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, 2017-2018 Season



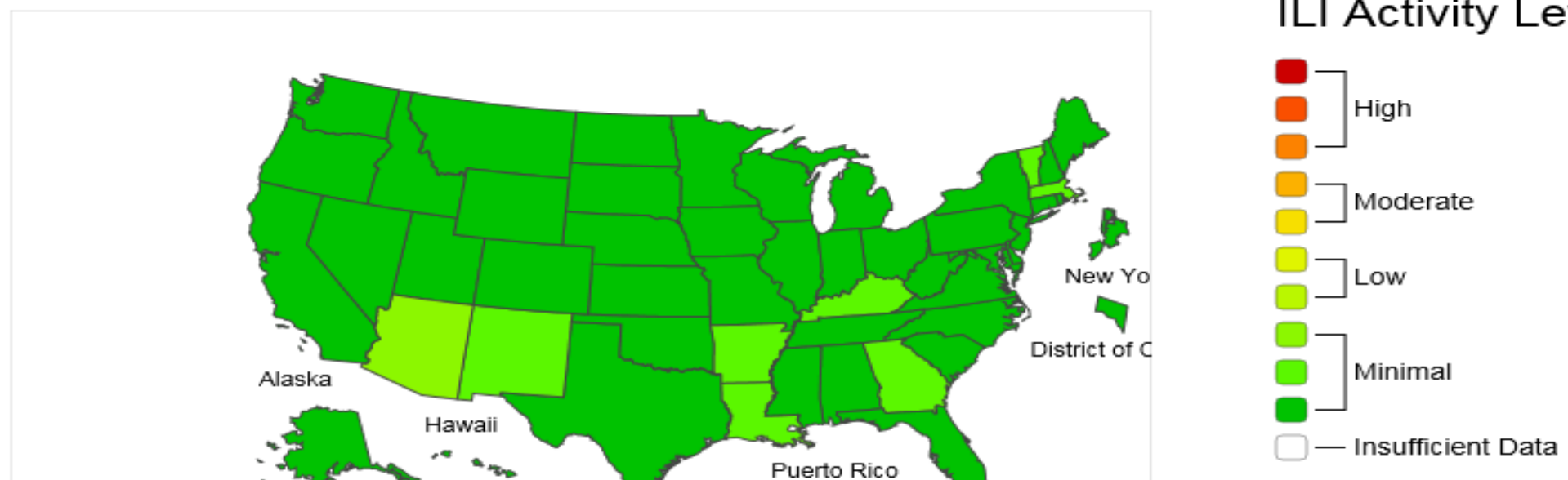
**Week Ending May 12, 2018 - Week 19**



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



## 2017-18 Influenza Season Week 19 ending May 12, 2018



\*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.

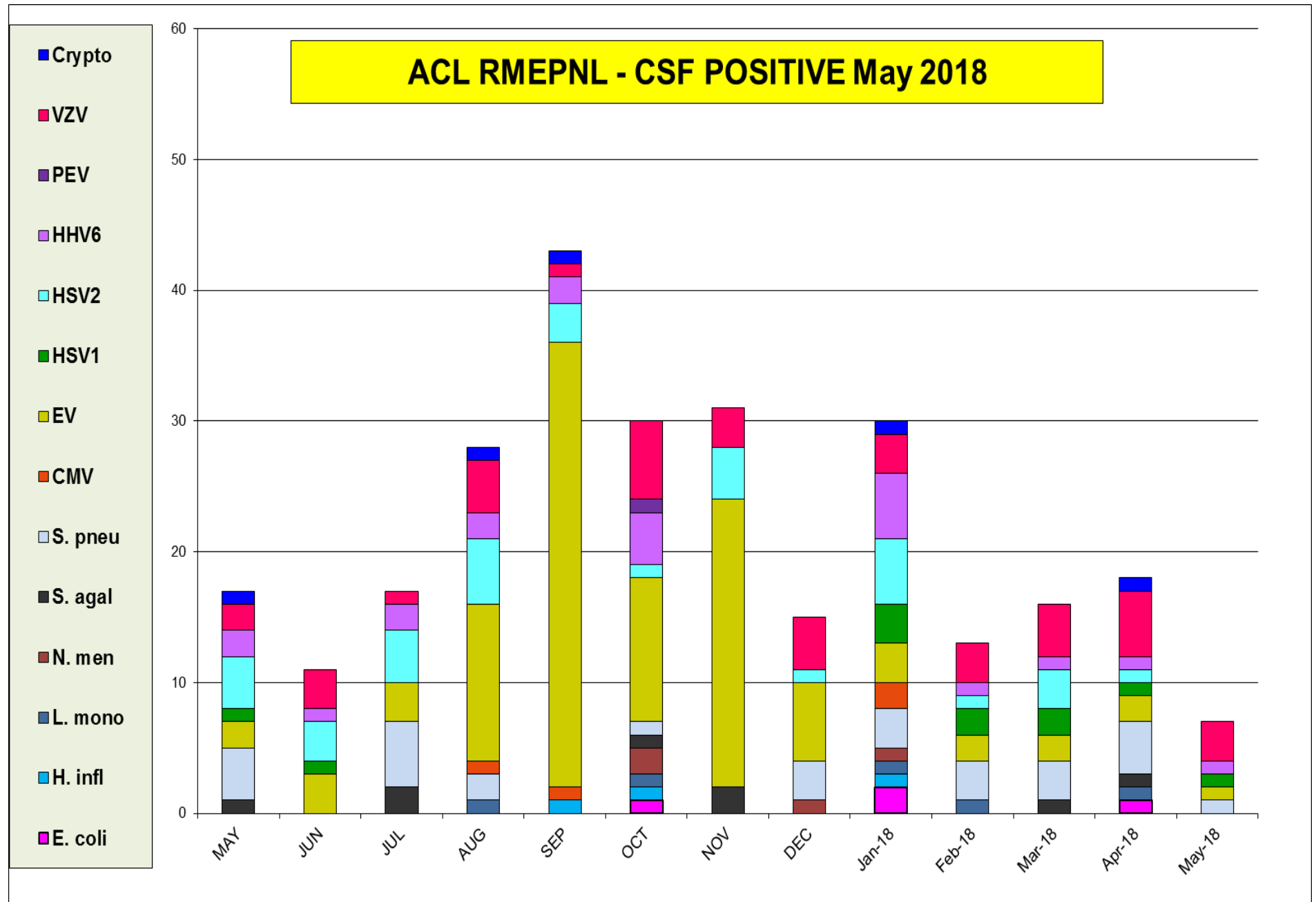
\*Data collected in ILINet may disproportionately represent certain populations within a state, and therefore may not accurately depict the full picture of influenza activity for the whole state.

\*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.

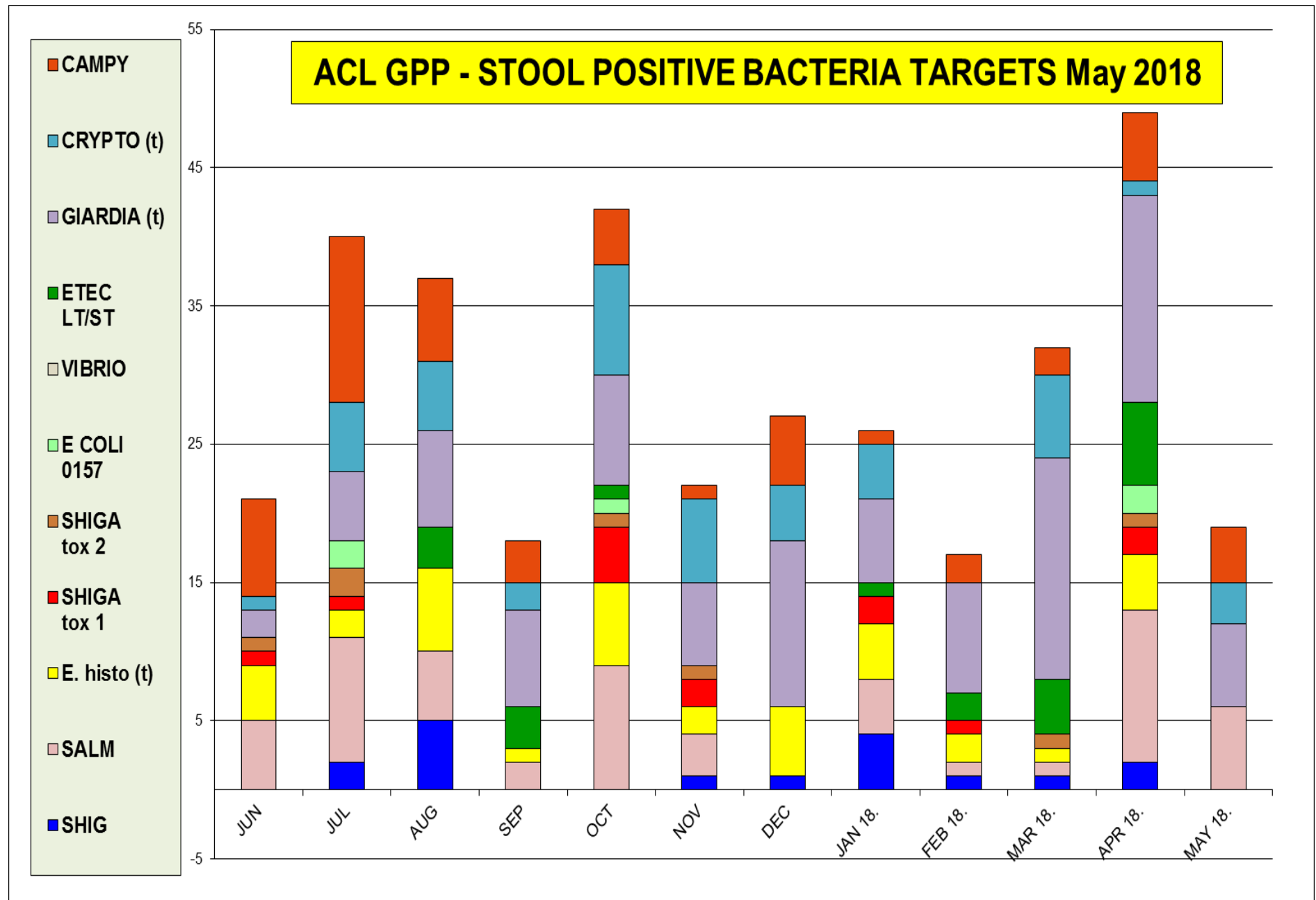
\*Differences in the data presented by CDC and state health departments likely represent differing levels of data completeness with data presented by the state likely being the more complete.

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

The most prevalent target as **May 19** is **VZV** (positivity rate 10%)

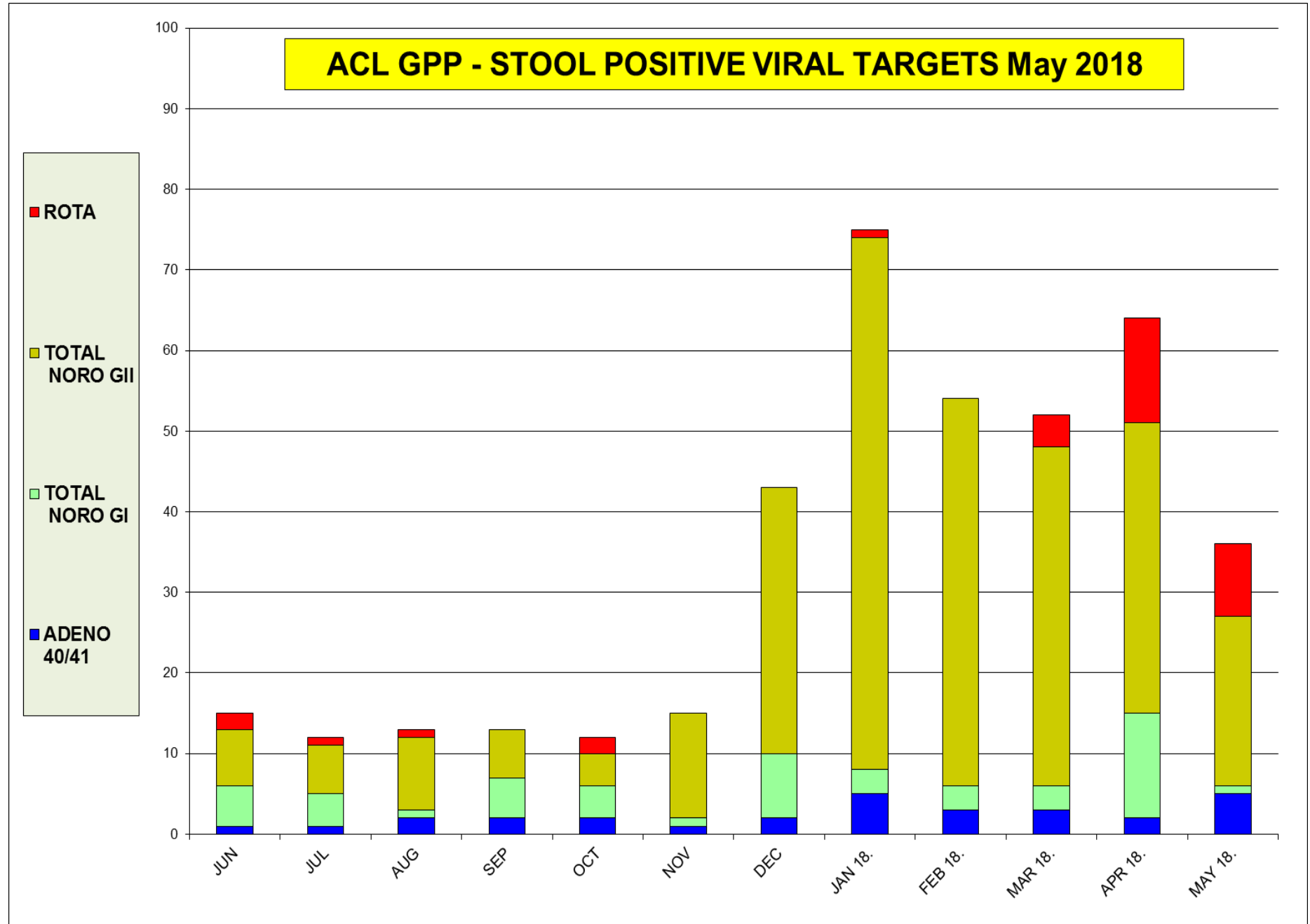


The most prevalent targets as May 19 are Giardia, Salmonella





The most prevalent target as **May 19** are; **NORO GII** and **Rota virus**



# Neuraminidase Inhibitors Resistance in Samples Collected - Oct 1- May 12, 2018,

| 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 | 1098                     | 11(1.0)                | 739                      | 0                      | 1098                     | 11(1.0)                |
| Influenza A (H3N2)      | 2322                     | 0                      | 2322                     | 0                      | 1216                     | 0                      |
| Influenza B             | 1057                     | 0                      | 1057                     | 0                      | 1057                     | 0                      |