The end of season influenza fact sheet provides preliminary surveillance data on influenza activity in Sacramento County for the 2017-2018 influenza season to include data from Week 40 (October 1, 2017) through Week 21 (May 26, 2018).

**SACRAMENTO COUNTY**

**Figure 1. Percent of Influenza-like Illness (ILI) Visits at Sentinel Provider (SP) Sites, 2017-2018 Influenza Season**

- Sentinel Providers had the highest percent of visits for influenza-like illness (ILI) between Week 52 and Week 1 [Figure 1]. There was also a second peak in the percent of ILI-related visits around Week 7 for both Sentinel Provider 1 and Sentinel Provider 3.

**SACRAMENTO COUNTY PUBLIC HEALTH LABORATORY**

Sacramento County Public Health Laboratory (SCPHL) detected 30 (50.8%) positive influenza specimens this season. The most was detected between Week 2 and Week 9 with a total of 20 positive specimens [Figure 2]. All 20 specimens were positive for influenza A, with subtype H3 accounting for 85.0% and subtype 2009 H1 accounting for 15.0% of the positive specimens [Figure 3]. A total of 10 positive specimens were detected between Week 10 and Week 17, all of which were positive for influenza B. Overall, influenza A accounted for 66.7% of the positive specimens and influenza B accounted for 33.3% of the positive specimens this season.

Note: The number of influenza tests processed at SCPHL vary each season. Data excludes tests performed at commercial labs.

**Figure 2. Number of Positive Influenza Detections at the Sacramento County Public Health Laboratory (SCPHL), 2015-2018**

- Sacramento County Public Health received reports from three sentinel providers this influenza season. Sentinel providers had the highest percent of visits for influenza-like illness (ILI) between Week 52 and Week 1 [Figure 1]. There was also a second peak in the percent of ILI-related visits around Week 7 for both Sentinel Provider 1 and Sentinel Provider 3.
As of Week 20 (final weekly report for the season),
- A total of 294 laboratory-confirmed influenza-associated deaths among patients <65 years old have been reported.
- A total of 558 laboratory-confirmed influenza outbreaks have been reported.
- Clinical sentinel laboratories have detected 28,629 (20.4%) positive influenza specimens with 17,160 (59.9%) positive for influenza A.
- The respiratory laboratory network has detected 7,011 positive influenza specimens. Of these, 5,043 (71.9%) are positive for influenza A with 4,129 (81.9%) positive for the H3 subtype.
- H3 is the predominant influenza A subtype whereas the Yamagata lineage predominates among influenza B.

**VACCINATION**
The CDC recommends routine annual influenza vaccinations for those six months of age or older who do not have contraindications. For the 2017-2018 influenza season,
- Use of the inactivated influenza vaccine (IIV) and recombinant influenza vaccine (RIV) are recommended. The nasal spray influenza vaccine [live-attenuated influenza vaccine (LAIV)] is again NOT recommended this season.
- The trivalent vaccine contains A/Michigan/45/2015 (H1N1)pdm09-like virus, A/Hong Kong/4801/2014 (H3N2)-like virus, and B/Brisbane/60/2008-like (B/Victoria lineage) virus. The quadrivalent vaccine contains an additional B/Phuket/3073/2013-like (B/Yamagata lineage) virus.

For more information about the California Sentinel Provider Program, contact the California Department of Public Health Immunization Branch by phone at (510) 620-3737, email InfluenzaSurveillance@cdph.ca.gov, or visit [https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Immunization/Sentinel-Provider-Program.aspx](https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Immunization/Sentinel-Provider-Program.aspx).

*Disease Week Calendars:*
- 2017 - [https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/2017CDCDiseaseWeekCalendar.pdf](https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/2017CDCDiseaseWeekCalendar.pdf)
- 2018 - [https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/2018_Disease_Week_Calendar.pdf](https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/2018_Disease_Week_Calendar.pdf)