



The 2018-2019 influenza season began on Sep. 30, 2018 (week 40). This surveillance report monitors influenza activity and is updated weekly through the end of the 2018 - 2019 season. Providers must report laboratory-confirmed influenza-associated fatal pediatric cases in those 0–17 years old. Laboratory-confirmed influenza-associated deaths in those 18 years of age and older are voluntary reported by providers in California.<sup>1</sup> Fresno County Public Health obtains the number of influenza-associated fatal cases between 0 and 17 years of age from investigations. The number of influenza-associated deaths in those 18 years and older are obtained from vital statistics records. National death data is from the CDC’s FluView<sup>2</sup> applications.

**INFLUENZA DEATHS LOCALLY AND NATIONALLY**

**Fresno County: 9/30/2018 – 10/27/2018:**

- Influenza-associated pediatric deaths (0-17 years old): 0
- Influenza-associated adult deaths (18-64 years old): 0
- Influenza-associated adult deaths (65 years or older): 0

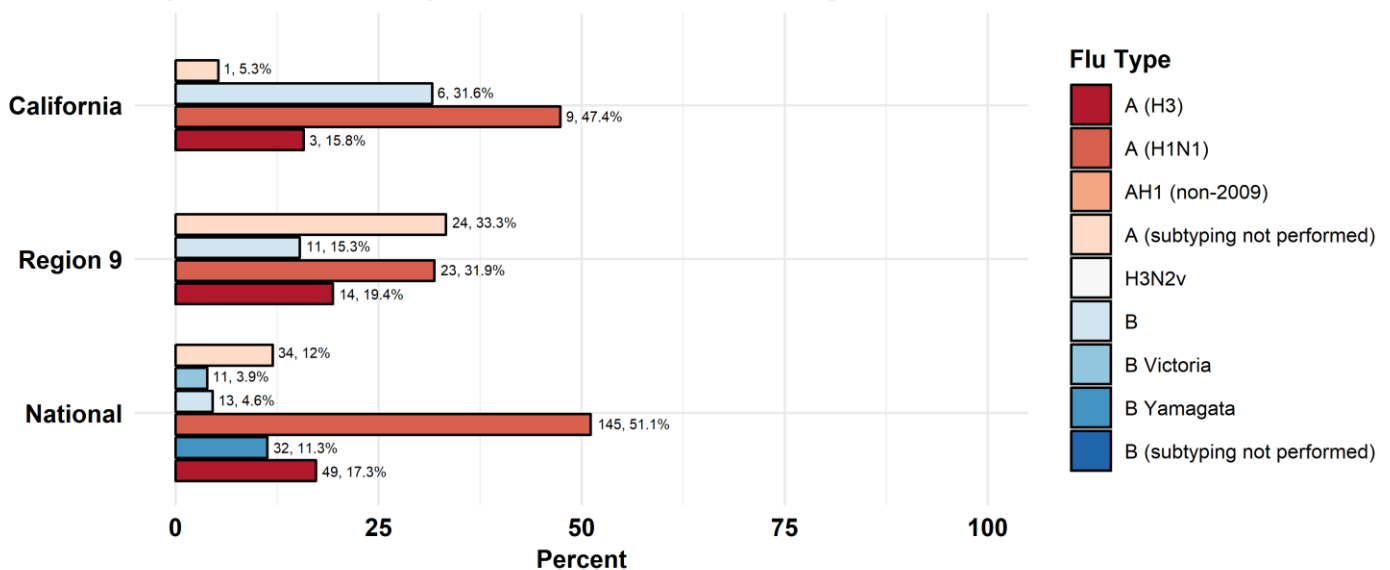
**Nationwide: 9/30/2018 – 10/20/2018:**

- Influenza-associated pediatric deaths (0-17 years old): 3
- Influenza-associated adult deaths (18-64 years old): 9
- Influenza-associated adult deaths (65 years or older): 17

**INFLUENZA TYPING AT NATIONAL, REGIONAL AND STATE LEVELS**

**Figure 1** shows the cumulative distribution of influenza types from national, CDC Region 9 and California from Sep. 30, 2018 to Oct. 27, 2018 (week 43). CDC Region 9 includes California, Arizona, Hawaii and Nevada.<sup>2</sup>

**Figure 1: Influenza Types from National, CDC Region 9 and California**



<sup>1</sup> CDPH Recommendations for Influenza and Other Respiratory Virus Testing and Reporting – 2018-2019.

<sup>2</sup> CDC [FluView](http://www.cdc.gov/fluview)

Figure 2 shows the percentage of samples testing positive for influenza A or B by disease week in Fresno County. The number of weekly samples changes throughout the season.

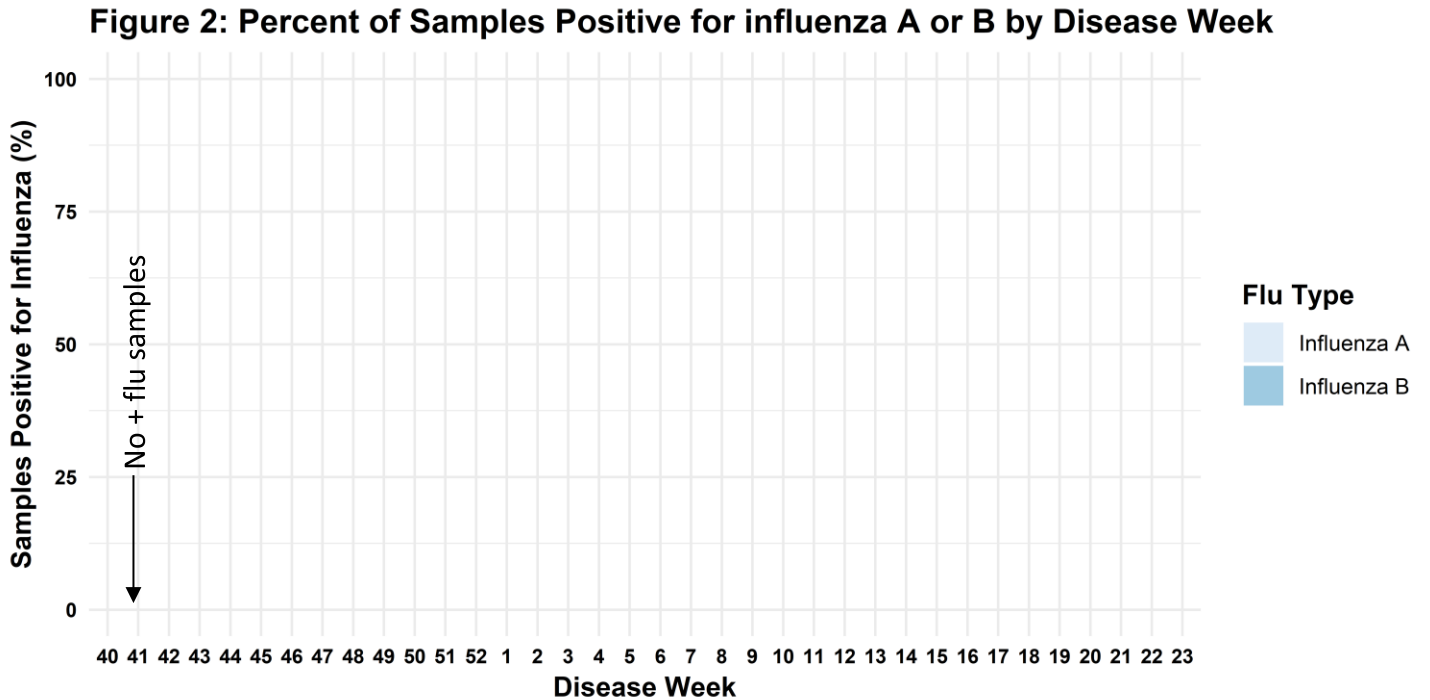
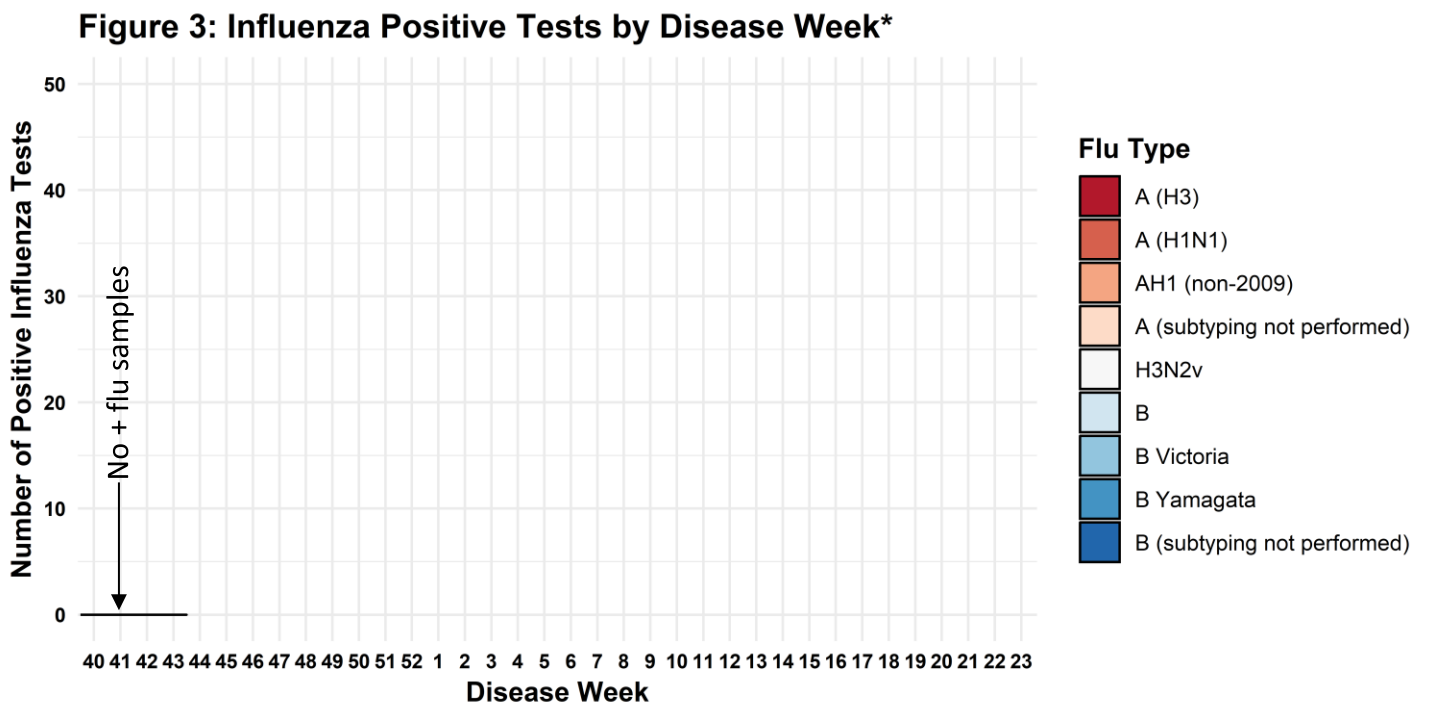


Figure 3 shows the number of influenza positive tests by disease week and influenza type in Fresno County. The number of weekly samples changes throughout the season.



\*Figure 3 data for Fresno County comes from both public health and private laboratories. Most data for Fresno County comes from private laboratories where subtyping is not commonly performed.

**INFLUENZA-LIKE-ILLNESS (ILI) AT EMERGENCY DEPARMENTS**

Figure 4 shows the percent of ED visits attributed to influenza-like illness (ILI) in previous seasons and the current season. The baseline curve and alert thresholds are estimated using prior seasons' data from 2012 to 2018. Outlier data from the 2013-2014 season is excluded from the baseline and alert estimations. The baseline curve is the average expected percent of ED visits due to ILI. The alert curve is the upper 95% confidence limit based of percent ED visits due to ILI. The baseline and alert curves provide reference points to monitor ILI activity in the current season. Data on previous seasons and current seasons is collected through EpiCenter, a syndromic surveillance system.

**Figure 4: Percent of Emergency Department Visits Due to ILI**

