



# Seasonal Influenza Report 2015-16

San Mateo County Health System, Public Health Policy and Planning  
Weeks 42 & 43 (Oct 18 to Oct 31, 2015)

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## Current Influenza Activity

### San Mateo County

- During week 43 (ending 10/31/15), San Mateo County reported minimal flu activity.
- Week 43 of the current season has a similar number of influenza detections as Week 43 of the previous season (Figures 1 and 2).
- Within the County, based on lab reports from reporting county and hospital laboratories\*, a total of 208 specimens have been tested for influenza since the beginning of flu season, only one of which tested positive for influenza. A total of 59 specimens have been tested for RSV since the beginning of the flu season with none positive (Figures 1, 3, and 4).
- San Mateo County Public Health Lab (SMC PHL) has the ability to further subtype positive influenza A specimens. During weeks 42 and 43, no specimens in the SMC PHL tested positive for influenza, thus no subtyping was performed.
- Influenza-like-illness (ILI) surveillance of chief complaint data from San Mateo Medical Center ED is low and similar to activity for the same period last season (Figure 5).

### California

- Influenza activity in California was reported as "sporadic" in week 43.
- Of 994 specimens tested, 14 (1.4%) were positive for influenza. Of the positive specimens, 10 (71.4%) were influenza A, of which one (10.0%) was H1, seven (70.0%) were H3, and two (20.0%) were not subtyped. The remaining four (28.6%) tested positive for influenza B.
- Outpatient visits for ILI had a decrease to 0.9% in week 43 from 1.3% in week 42.
- There was one influenza-associated death in an adult less than 65 years of age reported during Week 43.
- Hospital visits for Pneumonia and Influenza (P&I) for week 43 were slightly higher (4.1%) than week 42 (3.9%) but are within expected levels for this time of year.†

### United States

- During week 43, influenza activity remained low in the United States.
- Of the 10,270 specimens tested by clinical laboratories, 132 (1.3%) were positive for influenza, of which 84 (63.6%) were influenza A and 48 (36.4%) were influenza B.
- Of the 574 specimens tested by public health laboratories, 29 (5.1%) were positive for influenza. Of the positive specimens, 23 (79.3%) were influenza A, of which two (8.7%) were H1 and 18 (78.3%) were H3 with three (13.0%) that were not subtyped. The remaining 6 (20.7%) were influenza B, of which one (16.7%) was of Victoria lineage and the remaining with no lineage performed.
- No influenza-associated pediatric deaths were reported for the current year during week 43.
- During week 43, 5.5% of all deaths reported through the 122-Cities Mortality Reporting System were due to P&I. This percentage was below the epidemic threshold of 6.1% for week 43.
- All 50 states reported minimal ILI activity.

Figure 1 Number of Positive Influenza & RSV Tests by Week San Mateo County, 2013-16

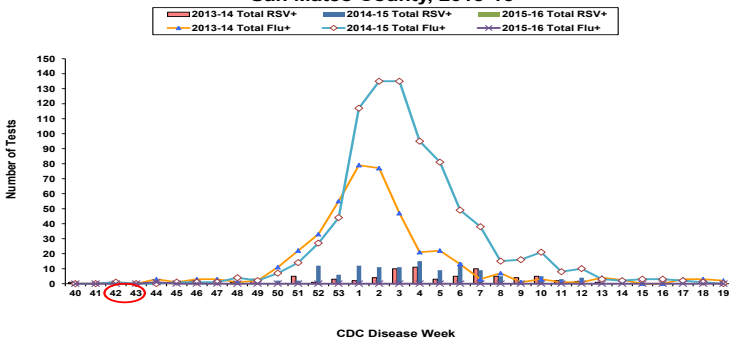


Figure 2 Number of Positive Influenza Tests by Type and Week, San Mateo County, 2014-16

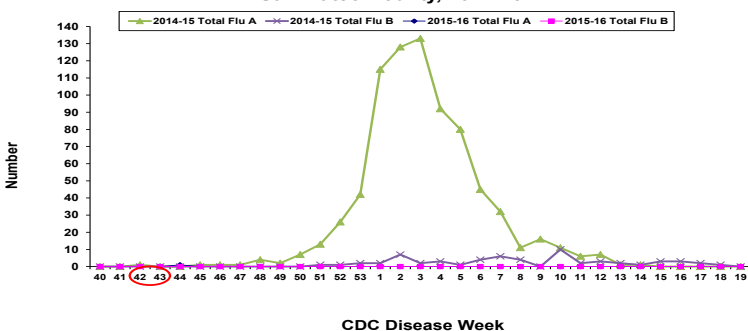


Figure 3 Percentage of Positive Respiratory Syncytial Virus (RSV) Specimens from Reporting Labs San Mateo County, 2014-16

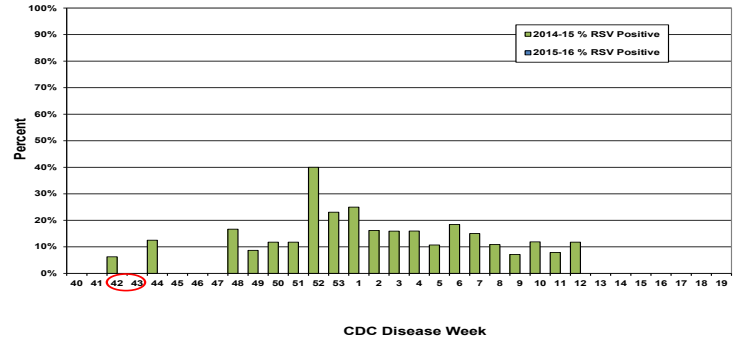


Figure 4 Percentage of Positive Influenza Specimens from Reporting Labs San Mateo County, 2014-16

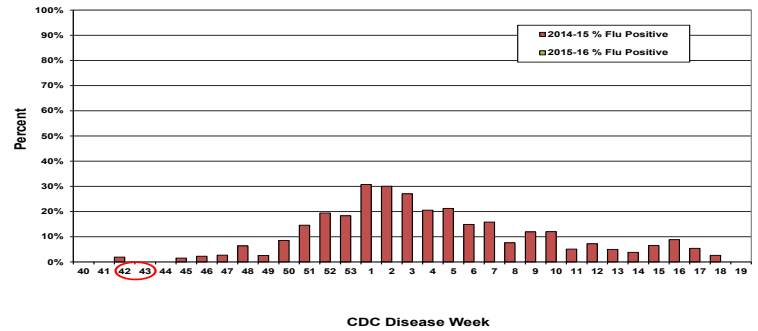
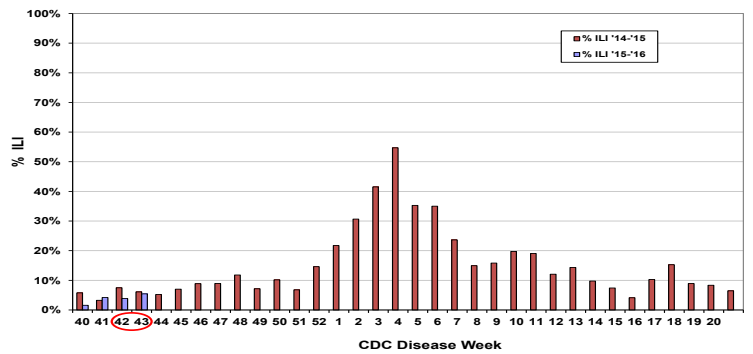


Figure 5 Proportion of Influenza-like Illness Visits (ILI): San Mateo County Medical Center ED, 2014-16 Influenza Seasons



### TEST OR TREAT?

Flu activity in San Mateo County is sporadic. One specimen during week 43 tested positive for influenza.

- Test outpatients with suspected flu and high risk of complications, who are being considered for antiviral treatment. Empiric treatment in outpatients with ILI is **not indicated** at this time. Consider testing children <2 years of age to rule out RSV vs. influenza.
- Test hospitalized patients with suspected flu. Consider empiric treatment in severely ill hospitalized (ICU) cases with suspected influenza.
- Antivirals used for treatment: Oseltamivir or Zanamivir.

\*Our reported numbers do not represent all cases of influenza within SMC, but are intended to demonstrate trends in influenza activity. This issue does not represent data from Kaiser.  
Sources: SMC: San Mateo Medical Center, Sequoia Hospital, Mills-Peninsula Hospital, San Mateo County Public Health Lab; CA: California Influenza Surveillance Project: <http://www.cdph.ca.gov/programs/vrdl/Pages/CaliforniaInfluenzaSurveillanceProject.aspx>; US: CDC Flu Activity and Surveillance: <http://www.cdc.gov/flu/weekly/fluactivity.htm>  
†This data reflects Kaiser hospitalizations only.