



# Seasonal Influenza Report 2015-16

San Mateo County Health System, Public Health Policy and Planning  
Weeks 46 & 47 (Nov 15 to 28, 2015)

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Catherine Sallenave MD, CD Controller · Moon Choi, Epidemiologist · Scott Morrow MD, MPH, Health Officer

## Current Influenza Activity

### San Mateo County

- During week 47 (ending 11/28/15), San Mateo County reported minimal influenza activity.
- Week 47 of the current season has a similar number of influenza detections as week 47 of the previous season (Figures 1 and 2).
- Within the County, based on reports from reporting county and hospital laboratories\*, a total of 468 specimens have been tested for influenza since the beginning of influenza season, and none tested positive for influenza during week 47. A total of 125 specimens have been tested for RSV since the beginning of the influenza season with one (0.8%) testing positive during week 47 (Figures 1, 3, and 4).
- San Mateo County Public Health Laboratory (SMC PHL) has the ability to further subtype positive influenza A specimens. During week 46, one (1.9%) specimen in the SMC PHL tested positive for influenza A subtype H3. There were no positive influenza specimens during week 47.
- 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 47.
- Of 1298 specimens tested, 15 (1.2%) were positive for influenza. Of the positive specimens, 11 (73.3%) were influenza A, of which none were H1, five (45.5%) were H3, and six (54.5%) were not subtyped. The remaining four (26.7%) tested positive for influenza B.
- Outpatient visits for ILI were similar at 1.0% in week 47 compared to 1.1% in week 46.
- There were no influenza-associated deaths in an adult less than 65 years of age reported during week 47.
- Hospital visits for Pneumonia and Influenza (P&I) for week 47 were slightly higher (4.9%) than week 46 (4.8%) but are within expected levels for this time of year.<sup>†</sup>

### United States

- During week 47, influenza activity saw a slight increase in the United States.
- Of the 11,288 specimens tested by clinical laboratories, 171 (1.5%) were positive for influenza, of which 103 (60.2%) were influenza A and 68 (39.8%) were influenza B.
- Of the 481 specimens tested by public health laboratories, 13 (2.7%) were positive for influenza. Of the positive specimens, 12 (92.3%) were influenza A, of which five (41.7%) were H1 and seven (58.3%) were H3. The one remaining specimen (7.7%) was influenza B and had no lineage performed.
- No influenza-associated pediatric deaths were reported for the current year during week 47.
- During week 47, 5.9% of all deaths reported through the 122-Cities Mortality Reporting System were due to P&I. This percentage was below the epidemic threshold of 6.8% for week 47.
- Two states (OK, SC) experienced moderate ILI activity; four states (AZ, MS, NJ, VA) experienced low ILI activity; the remaining 44 states experienced minimal ILI activity.

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

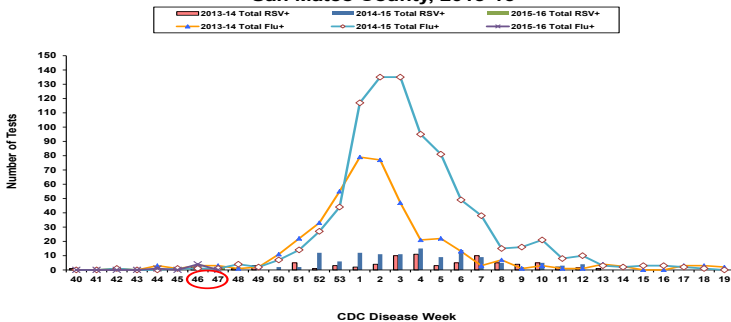


Figure 2 Number of Positive Influenza Tests by Type and Week, San Mateo County, 2014-16

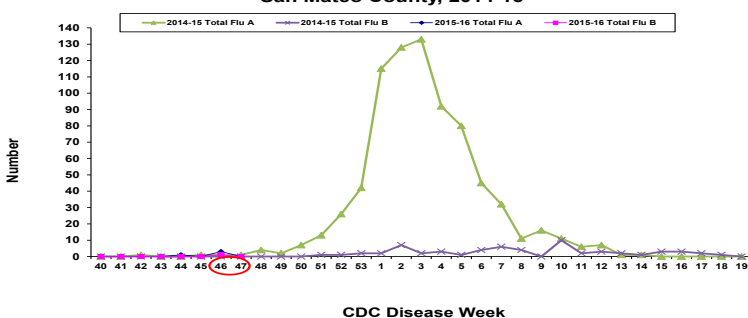


Figure 3 Percentage of Positive Respiratory Syncytial Virus (RSV) Specimens from Reporting Labs San Mateo County, 2014-16

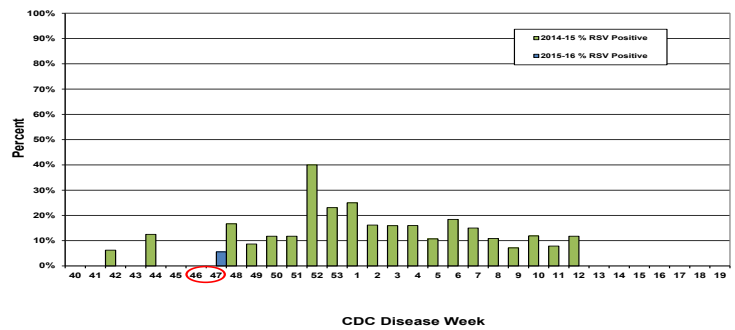


Figure 4 Percentage of Positive Influenza Specimens from Reporting Labs San Mateo County, 2014-16

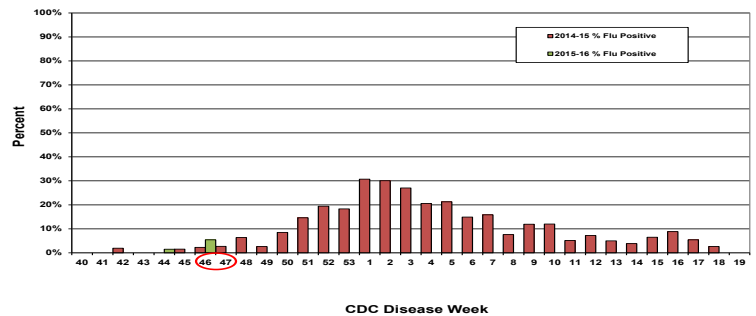
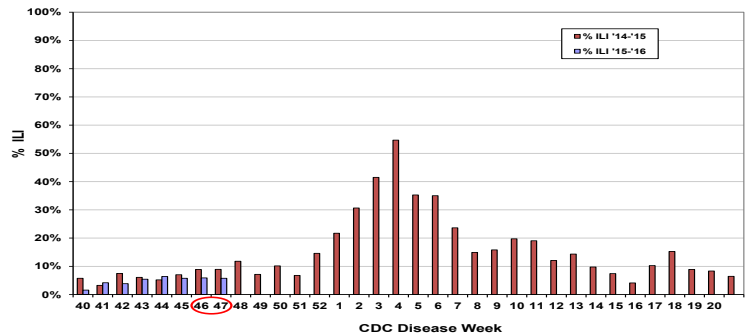


Figure 5 Proportion of Influenza-like Illness Visits (ILI): San Mateo County Medical Center ED, 2014-16 Influenza Seasons



### TEST OR TREAT?

Flu activity in San Mateo County is sporadic. No specimen during week 47 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>  
<sup>†</sup>This data reflects Kaiser hospitalizations only.