



# Seasonal Influenza Report 2016-17

San Mateo County Health System, Public Health Policy and Planning  
Weeks 44 & 45 (Oct. 30 to Nov. 12, 2016)

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Volume 9, Issue 3

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## Current Influenza Activity

### San Mateo County

- During week 45 (ending 11/12/16), San Mateo County reported minimal influenza activity.
- Week 45 of the current season had more influenza detections than week 45 of the previous season (Figures 1 and 2).
- Within the County, based on laboratory reports from reporting county and hospital laboratories\*, a total of 507 specimens have been tested for influenza since the beginning of influenza season, with 15 (3.0%) testing positive. A total of 100 specimens have been tested for RSV since the beginning of the influenza season, with one (1.0%) testing positive (Figures 1, 3, and 4).
- San Mateo County Public Health Laboratory (SMC PHL) has the ability to further subtype positive influenza specimens; four of these specimen tested positive for influenza A, and all were H3.
- Influenza-like illness (ILI) surveillance of chief complaint data from San Mateo Medical Center ED shows low activity, similar to activity during the same period last season (Figure 5).

### California

- Influenza activity in California was "sporadic" during week 45.
- Of 1,947 specimens tested in week 45, 76 (3.9%) tested positive for influenza. Of these positive specimens, 73 (96.1%) tested positive for influenza A, of which eight were H3 (11.0%) and 65 (89.0%) were not subtyped. The three (3.9%) remaining positive specimens tested positive for influenza B.
- Outpatient visits for ILI were 1.0% of patient visits during week 45, which is within expected levels for this time of year.
- There were no laboratory-confirmed outbreaks during weeks 44 and 45.
- Hospital visits for Pneumonia and Influenza (P&I) for week 45 were lower (1.0%) than week 44 (1.4%) and within expected levels for this time of year.†

### United States

- During week 45, influenza activity remained low in the United States.
- Of the 11,841 specimens tested by clinical laboratories, 199 (1.7%) were positive for influenza, of which 163 (81.9%) were influenza A and 36 (18.1%) were influenza B.†
- Of the 547 specimens tested by public health laboratories, 35 (6.4%) were positive for influenza. Of the positive specimens, 34 (97.1%) were influenza A, of which one (2.9%) was 2009 H1N1, 30 (88.2%) were H3, and three (8.8%) were not subtyped. Of the remaining positive specimens, one (2.9%) was influenza B, which did not have lineage performed.
- During week 43, 5.4% of all deaths reported through the National Center for Health Statistics Mortality Surveillance System were due to Pneumonia and Influenza (P&I)‡, below the epidemic threshold of 6.7% for week 43. Due to a backlog of records, this was the most recent data to date of publication.
- No influenza-associated pediatric deaths were reported during week 45.
- During week 45, 1.6% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to ILI. This is below the national baseline of 2.2%.
- Two states (GA, OK) experience low ILI activity; the remaining 48 states experienced minimal ILI activity.

Figure 2 Number of Positive Influenza Tests by Type and Week, San Mateo County, 2015-17

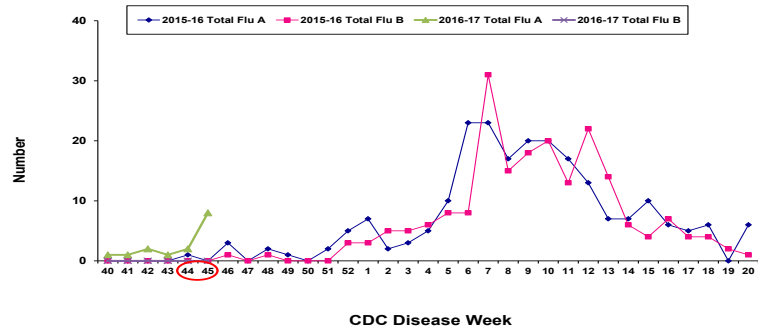


Figure 3 Percentage of Positive Respiratory Syncytial Virus (RSV) Specimens from Reporting Labs San Mateo County, 2015-17

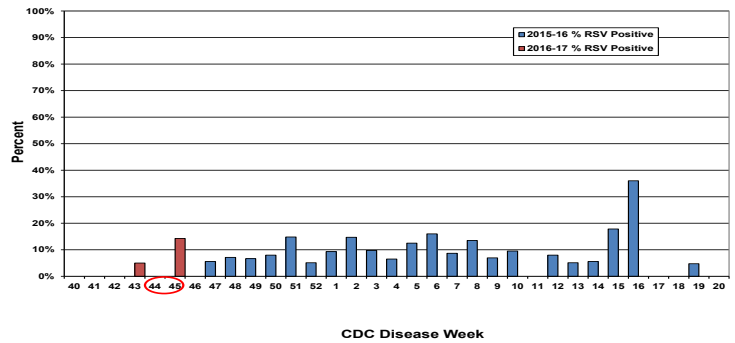


Figure 4 Percentage of Positive Influenza Specimens from Reporting Labs San Mateo County, 2015-17

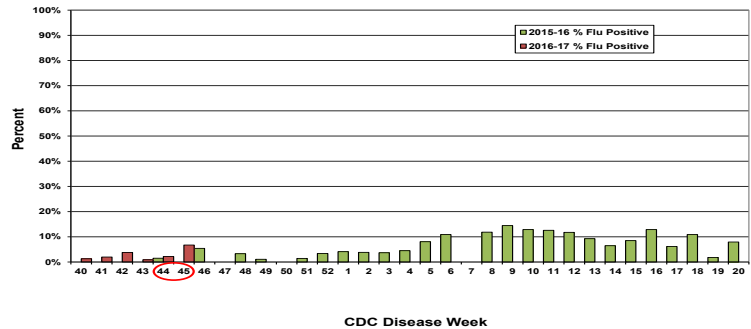


Figure 1 Number of Positive Influenza & RSV Tests by Week San Mateo County, 2014-2017

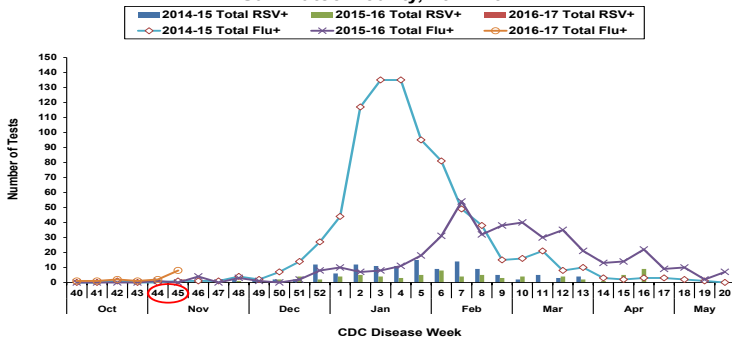
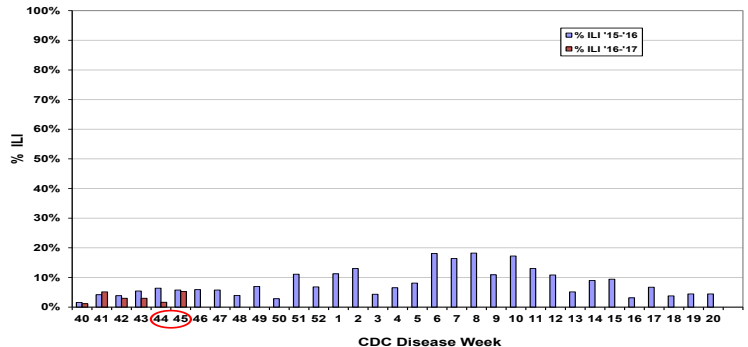


Figure 5 Proportion of Influenza-like Illness Visits (ILI): San Mateo County Medical Center ED, 2015-17 Influenza Seasons



\*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 Laboratory; CA: California Influenza Surveillance Project: <http://www.cdph.ca.gov/PROGRAMS/DCDC/Pages/CaliforniaInfluenzaSurveillanceProject.aspx>; US: CDC Influenza Activity and Surveillance: <http://www.cdc.gov/flu/weekly/fluactivitysurv.htm>

†This data reflects Kaiser hospitalizations only.  
‡The CDC notes: "P&I percentages for recent weeks may be artificially low due to a backlog of records requiring manual processing. Percentages will likely increase to levels more similar to the baseline as more data becomes available."