Seasonal Influenza Report 2012-13
San Mateo County Health System, Public Health
Week 18 (Apr 28- May 14, 2013)

www.smchealth.org/flu · Provider Reporting: 650.573.2346 · 650.573.2919 (fax)
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San Mateo County

Influenza and RSV activity in San Mateo County continues to decline sharply
Based on lab reports from seven reporting county and hospital laboratories, there were 0 influenza specimens and 0 RSV positive specimens in week 18 (Figure 1).

To date, a total of 3,506 specimens have been tested for influenza, of which 516 (14.7%) are positive (Figure 2). Of the positive specimens, 447 (86.2%) were influenza A and 69 (13.8%) were influenza B. A total of 437 specimens have been tested for RSV, of which 92 (22%) were positive (Figure 3).

Influenza-like-illness (ILI) surveillance data from San Mateo Medical Center ED sharply decreased in week 18 (0%) compared to week 17 (0.24%). To date, influenza-like illness visits made up 0.97% (dashed line on graph) of total ED visits, which is above the 2011-12 seasonal average of 0.59% (Figure 4).

Three confirmed influenza related hospitalizations among persons aged 0-64 years have been reported to date. Sixteen laboratory confirmed outbreaks have been reported to date. No outbreak was reported during week 18.

California:

Overall influenza activity in California remained “sporadic” during week 18
The Respiratory Lab Network (RLN) tested 845 specimens for influenza during weeks 17-18, of which 24 (2.8%) were positive for influenza; 7 (29.2%) were influenza A, of which two (28.6%) were subtyped as seasonal A (H3) and two (28.2%) were influenza A (H1N1); 17 (70.8%) were influenza B.

RSV detections decreased in week 18 (2.0% compared to 2.3% in week 17).

Nine influenza-reported deaths in persons under the age of 65 were reported in week 17 and 18 (including two pediatric deaths). To date, a total of 139 laboratory confirmed outbreaks have been reported.

The proportion of outpatient ILI visits was 1.0%, which fell below the baseline of 2.6%

United States

During week 18, influenza activity remained low in the United States.

Of the 3,048 specimens tested, 125 (4.1%) were positive for influenza. Of the positive specimens, 41 (32.8%) were influenza A, of which 8 (19.5%) were H3; and 84 (67.2%) were influenza B.

On April 1, 2013, the World Health Organization reported three human cases with a new influenza virus (H7N9) in China. Since then, 131 cases (including 32 deaths) have been reported.

One influenza-associated pediatric death was reported in week 18. A total of 138 influenza-associated pediatric deaths have been reported to date.

To date, 12,330 laboratory-confirmed influenza associated hospitalizations have been reported.

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**Current Activity**

**San Mateo County**

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**California:**

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**TEST OR TREAT?**

Flu activity in San Mateo County has decreased substantially. Five hundred and sixteen specimens (15.5%) have tested positive for influenza since the beginning of flu season in San Mateo County.

- Test outpatients with suspected flu with high risk of complications, who are being considered for antiviral treatment. Empiric treatment in outpatients with ILI is not indicated at this time. For suspected influenza A(H7N9) virus infection in persons presenting with acute febrile respiratory illness and an appropriate recent travel or history, contact Communicable Disease Control at 573-2346.

- Continue to test hospitalized patients with suspected flu for the purposes of infection control and surveillance. 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. Sources: SMC, Kaiser, San Mateo Medical Center, Sequoia Hospital, Peninsula Hospital, San Mateo County Public Health Lab. CA: California Influenza Surveillance Project. http://www.cdph.ca.gov/programs/vrdl/Pages/