

Influenza

San Joaquin County:

- SJCPHS surveillance indicators show increased yet sporadic flu activity during the past month (**Figures 1-3**). SJC flu activity appears typical compared to prior seasons.
- Three influenza-related intensive care unit (ICU) admittances among persons under age 65 have been reported to SJCPHS so far this season, including one pediatric ICU admittance.
- No influenza-related deaths under age 65 have been reported to SJCPHS.
- One lab-confirmed Influenza A H3 outbreak in a congregate living facility has been reported to SJCPHS.

California:

- California's overall influenza activity remained "widespread" during Week 6 (2/3/13-2/9/13).
- California Department of Public Health (CDPH) has received 26 reports of influenza-associated deaths among persons under age 65 as of Week 6, including one pediatric death.
- 69 laboratory-confirmed influenza outbreaks have been reported to CDPH as of Week 6, the majority (88%) of which were associated with Influenza A.

United States:

- 8,953 confirmed influenza-associated hospitalizations and 64 influenza-related pediatric deaths have been reported in the U.S. as of Week 6.
- Influenza A continues to be the dominant circulating strain. Of specimens subtyped during Week 6 (49.1%), the majority (92.0%) remain H3 although the percent subtyped 2009 Pandemic H₁N₁ nearly tripled compared to Week 2 (1/13/13-1/19/13).
- Influenza B detections comprised 33.8% of positive influenza specimens tested during Week 6, a 93.1% increase compared to Week 2.
- The Centers for Disease Control and Prevention (CDC) midseason estimate of overall vaccine effectiveness (VE) is 56%, similar to the VE estimate of 62% earlier this season. However, CDC's estimate of VE in seniors age 65 and older is only 27%.
- The majority of currently circulating influenza viruses are susceptible to neuraminidase inhibitors (e.g., Tamiflu®); however, rare cases of oseltamivir-resistant Influenza A viruses have been detected this season.

Novel Infection Update: Coronavirus

- The strain of novel coronavirus that emerged in humans in April 2012 has spread beyond the Arabian Peninsula. In February 2013, three persons contracted the virus in the United Kingdom. No cases have been reported in the U.S.
- Six of the 12 patients (50.0%) identified with this novel coronavirus have died.
- This strain may spread from person to person through close contact, though it does not appear to spread easily. Public health officials are still investigating whether one infected person in the U.K. spread the virus to two family members.

Figure 1. Percent of absences due to ILI, Manteca Unified School District, 2009—YTD 2013

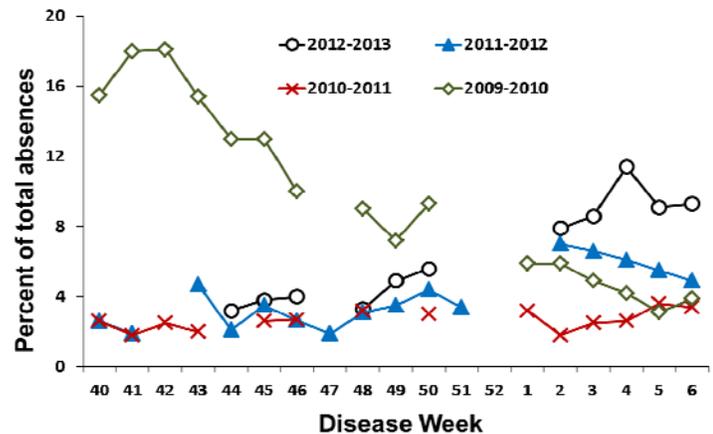


Figure 2. Percent of patients seen at the student health center with ILI, University of the Pacific, 2009—YTD 2013

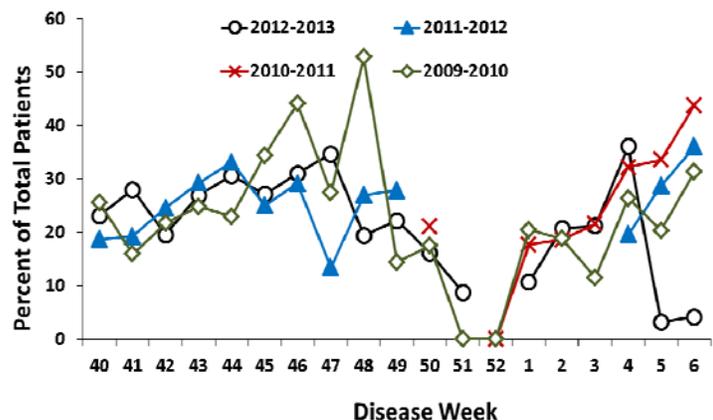
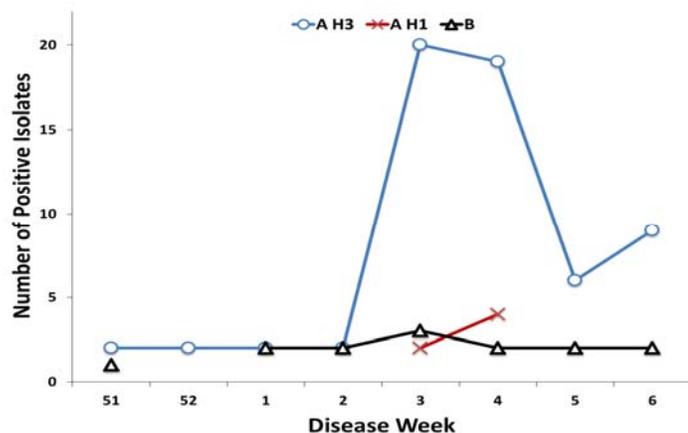


Figure 3. Positive Influenza isolates (n=82), San Joaquin County Public Health Services Laboratory, Dec. 16, 2012—Feb. 9, 2013



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