SAN JOAQUIN COUNTY
Public Health Services
Healthy Future

# RESPIRATORY ILLNESS REPORT

## SAN JOAQUIN COUNTY PUBLIC HEALTH SERVICES (SJC PHS)

## FEBRUARY 2011 - MARCH 2011 (WEEKS 5-12)



### *Influenza*

- By the end of Week 12 (3/26/11), influenza-like illness (ILI) activity in California was downgraded to minimal. However, there were regional differences in ILI activity. Lab detections and ILI decreased slightly in southern CA but Kaiser data showed increased hospitalizations for pneumonia and influenza in northern CA.
- The months of February and March showed an increase in 2009 H1N1 activity. Although 2009 H1N1 was the dominant strain of influenza detected by lab testing, influenza A (H3) and influenza B were still in circulation in the state and nation.
- Since the start of the influenza season in October 2010, 240 severe cases under < 65 years have been reported to CDPH; 39 were fatal including 4 who were < 18 years old.
- Since December 2010, San Joaquin County (SJC) has had 6 cases of severe 2009 H1N1 influenza, including 3 fatalities.
- The Centers for Disease Control and Prevention (CDC) has seen several influenza B isolates with reduced sensitivity to oseltamivir (Tamiflu). However, CDC officials say that antivirals remain effective and there is no reason for clinicians to change their prescribing practices. The viruses do not show reduced susceptibility to zanamivir (Relenza). Of note, CDC has not recommended use of Amantadine or Rimantadine (M2 ion channel inhibitors) to treat influenza A since 2006, due to widespread resistance.

### *Pertussis*

- The number of cases of pertussis in 2010 in CA now represents the greatest number of cases reported in 65 years. From January 1 - December 31, 2010, there were 9,477 cases of confirmed, probable and suspect cases of pertussis reported to CDPH. The state rate for the year was 24.2 cases per 100,000 persons.
  - ◊ Of the 81% of cases with known hospitalization information, 663 (9%) were hospitalized.
  - ◊ 10 deaths were reported; 9 fatalities were infants < 2 months of age at time of disease onset who had not received any doses of pertussis containing vaccine.
- From January to December 2010, SJC Public Health Services (PHS) reported 86 cases to CDPH for a county incidence rate of 11.6 cases per 100,000 persons. There were no deaths from pertussis in San Joaquin County in 2010.

**Figure 1. Percent of clinic visits due to ILI, Stockton Unified School District, 2007-2011.**

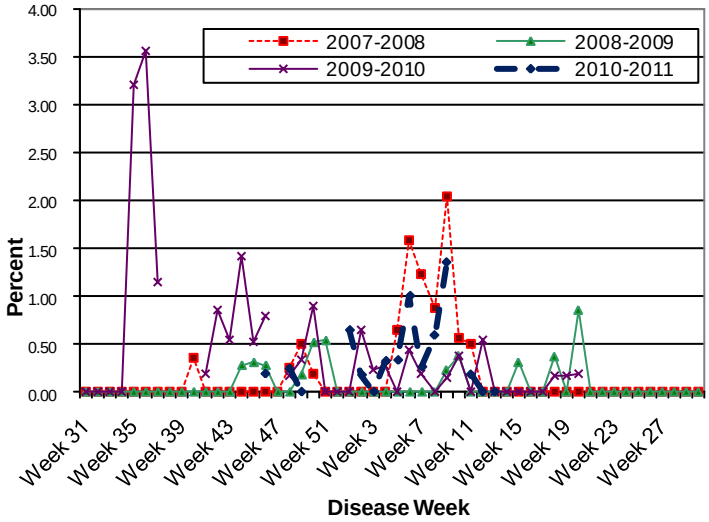
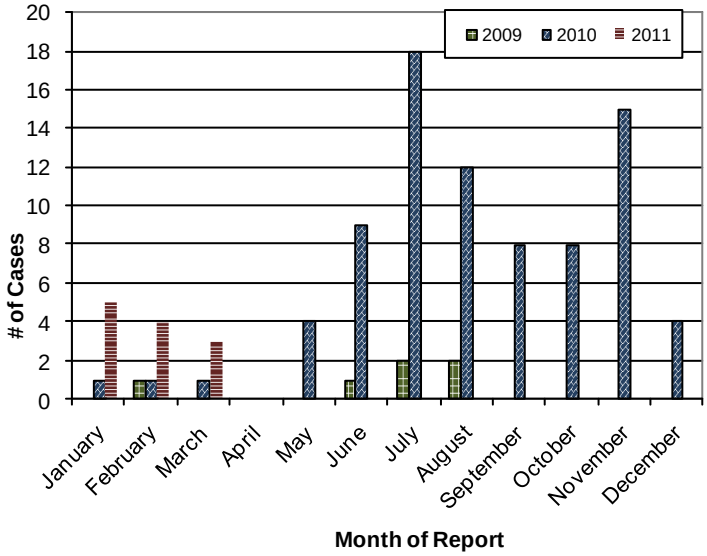



**Figure 2. Epidemic curve of pertussis cases by month of report, San Joaquin County 2009-2011**




- In 2011, disease activity is still at relatively increased levels throughout the state.
  - ◊ In CA, 514 cases of pertussis with disease onset in 2011 have been reported.
  - ◊ From January - March 2011, a total of 12 cases were reported to SJC PHS. Pertussis activity is higher than normal for this time of year but appears to be declining.

**For CDPH information on Influenza and Pertussis:**
**http://www.cdph.ca.gov/programs/dcdc/Pages/default.aspx**

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