

Current Influenza Activity

San Joaquin County

- Influenza activity is widespread.
- As of 9/19/09, there were 72 hospitalized and 5 fatal cases of pandemic (H1N1) 2009 influenza in SJC. Approximately 300 cases of outpatient influenza cases have been reported to SJC PHS. This is likely an under representation of the actual burden of influenza in the county.
- Schools are reporting higher levels of influenza like illness (ILI) than is normally seen this time of year.
- Since 6/20/09, only unsubtypeable influenza A has been identified by the SJC PHS Lab.

California

- California flu activity is now widespread. Nearby states such as AZ, NV and CO have also seen similar increases in ILI activity.
- As of 9/19/09, there have been 2,258 hospitalization and/or fatalities, with 589 cases requiring intensive care. A total of 174 pandemic (H1N1) 2009 deaths have been reported to CA Department of Public Health to date.

Table 1. Respiratory Laboratory Network (RLN)* Influenza PCR Surveillance Results, Week 36 (September 6 – 12, 2009)

	Total Flu A Tested	Flu A (% of total)	Seasonal H1 (% of Flu A)	Seasonal H3 (% of Flu A)	Unsubtype-able** (% of Flu A)
All RLN	797	285 (36%)	0 (0%)	1 (1%)	271 (95%)
Northern	329	109 (33%)	0 (0%)	1 (1%)	95 (87%)
Central	291	115 (40%)	0 (0%)	0 (0%)	115 (100%)
Southern	177	61 (34%)	0 (0%)	0 (0%)	61 (100%)

*15 RLN Public Health Laboratories reporting, including:
 Northern CA: Contra Costa, El Dorado, Sacramento, San Francisco, Santa Clara, Shasta, Sonoma
 Central CA: Fresno, San Joaquin, Tulare
 Southern CA: Los Angeles, Riverside, San Bernardino, Santa Barbara, Ventura

**At this time, Unsubtypeable Flu A is presumed to be H1N1

United States / Worldwide

- Since April 2009, 99% of all subtyped influenza A viruses being reported to the US Centers for Disease Control (CDC) were pandemic (H1N1) 2009 influenza A viruses.
- In North America, influenza transmission is geographically widespread and continues to increase. However, in the temperate regions of the southern hemisphere, influenza transmission has largely returned to baseline or has declined substantially .
- The epidemiology of disease caused by 2009 H1N1 influenza in the Southern Hemisphere is very similar to that described in the US in the spring of 2009. There have been no significant changes detected in the pandemic (H1N1) 2009 influenza viruses isolated from persons in the Southern Hemisphere as compared to viruses isolated from persons in the Northern Hemisphere.

Figure 1. Stockton sentinel provider ILI rates by disease week, 2005 –2009.

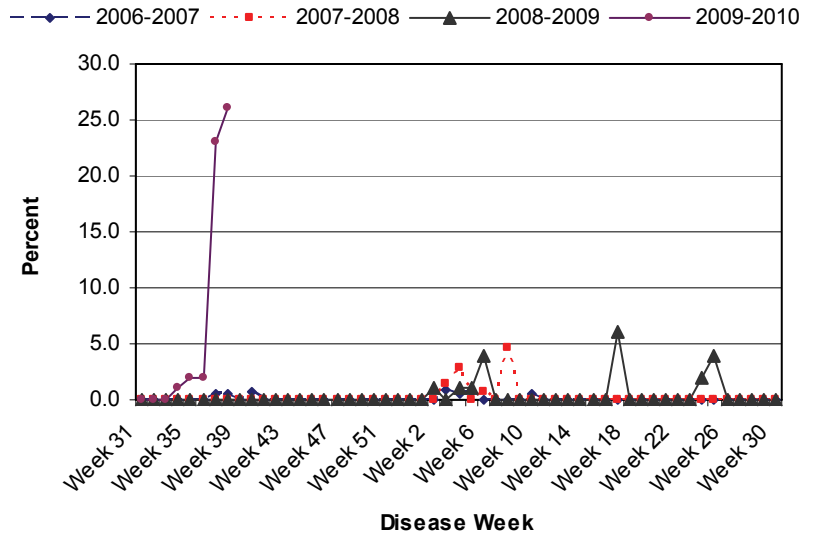


Figure 2. Percent of ILI cases in Stockton Unified school clinics by disease week, 2006-2009.

