



Yolo County Health Department

Communicable Disease Update

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Related Web Sites:

CDC

www.cdc.gov

CA Dept. of Public Health

www.cdph.ca.gov

World Health Organization

www.who.int

H1N1 Remains Active

As of June 25, influenza activity in California was upgraded to “widespread”, based on the increased level of laboratory detections of novel influenza A (H1N1) and ILI activity reported by sentinel providers. Activity is high statewide in Northern, Central and Southern California. Outbreaks continue to be reported in hospitals, summer camps, military bases, and residential facilities. An increase in hospitalizations and fatalities has also been observed.

A small number of outbreaks of novel influenza A (H1N1) in long-term care facilities in the past few weeks have also been reported. Preliminarily, low attack rates for persons over 50 years old and infrequency of reported outbreaks in long-term care facilities may suggest some degree of protective immunity in this population.

Planning for the '09/'10 flu season involves the following assumptions: (1) seasonal flu vaccines will not include H1N1; (2) H1N1 vaccine may be available as early as Nov. or Dec. and will require a booster; (3) YCHD will work with healthcare providers and first responders to distribute H1N1 vaccine. CDPH is in the process of developing recommendations for vaccine distribution based on severity of disease and vaccine availability. YCHD will keep medical providers and partners informed as we get new information.

Current guidance for preventing and managing novel H1N1 is available at the [CDPH](http://www.cdph.ca.gov) and the [CDC](http://www.cdc.gov). A California telephone hotline is available for the public at 1-888-865-0564. Please contact Public Health Nursing (530) 666-8645 to report a case of H1N1 or for more information about H1N1 prevention in our community.

Influenza Sentinel Providers Needed

Sentinel providers report the number of outpatient visits for influenza-like illness and the total number of visits per week. Following a peak in influenza activity when H1N1 was first identified, the percentage of ILI outpatient visits reported by California sentinel providers is increasing again. This is consistent with reports of widespread activity statewide.

There are only 32 active sentinel providers in California, with only one sentinel provider in Yolo County. In anticipation of an active upcoming influenza season, more influenza sentinel providers are needed to assist in the surveillance of H1N1 activity, severity and antiviral resistance.

The Yolo County Health Department (YCHD) strongly encourages interested physicians, physician assistants and nurse practitioners to become part of the Influenza Sentinel Provider Program. For more information, please contact Tim Wilson at (530) 666-8458.

H1N1 Case Characteristics as of June 25, 2009.

CASES: CDPH has received reports of 1,519 cases (1,294 confirmed, 225 probable; 8 deaths) from 43 local health jurisdictions. This includes 4 Yolo Co. cases (all have recovered; no hospitalizations; none have been healthcare workers), 40 Sacramento Co. cases, and 6 Solano Co. cases.

- Median age is 16 years old
- 51% are male; 49% are female
- Most frequent symptoms include fever, cough, and sore throat
- Of all cases reported, 56 have occurred in health care workers

RESISTANCE: Antiviral resistance testing is being performed by CDPH on a subset of specimens to monitor for changing resistance patterns. Antiviral resistance testing results for H1N1 thus far continue to indicate susceptibility to oseltamivir and resistance to adamantanes.

HOSPITALIZED CASES (n=142)

- Chronic co-morbid illness 65%
 - Chronic lung disease 32%
 - Other immunosuppression 24%
 - Chronic cardiac disease 15%
 - Neuromuscular disorder 11%
 - Diabetes mellitus 5%
 - Obesity 16%
 - Pregnancy 10%

- Symptoms and Signs

- Fever 97%
- Cough 86%
- Shortness of breath 54%
- Sore throat 42%
- Body aches 39%
- Vomiting 36%
- Rhinorrhea 29%
- Headache 28%
- Chills 23%
- Diarrhea 18%
- Conjunctivitis 8%
- Altered mental status 5%

- Clinical Findings and Course

- Infiltrates on chest radiograph 43%
- ICU admission 27%
- Mechanical Ventilation 20%
- Antiviral treatment 56%

