

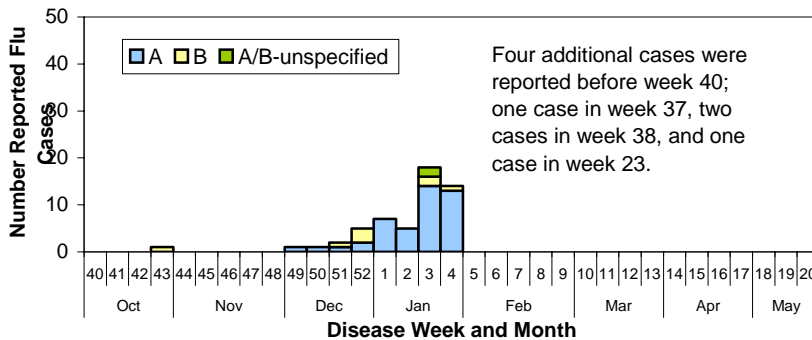


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**Influenza activity has increased in Orange County. Consider influenza in your patients presenting with fever and/or respiratory symptoms. Several types of influenza testing are available; see <http://www.cdc.gov/flu/professionals/diagnosis/labprocedures.htm> for more information.**

- **DHHS awards contracts totalling \$132.5 million to three companies to develop H5N1 vaccines using adjuvants:** Because adjuvants can be used to boost the immune system's response to a vaccine, the use of adjuvants may expand vaccine supplies during a pandemic. For more info, please visit: <http://www.hhs.gov/news/press/2007pres/20070117a.html>.
- **Reduced susceptibility to oseltamivir (Tamiflu) in 2 H5N1 cases in Egypt:** Two patients from the same household were infected with an H5N1 strain that had "moderately reduced susceptibility" to Tamiflu. Because there is no evidence that Tamiflu-resistant strains are spreading in Egypt or elsewhere, Tamiflu is still recommended as the first-line drug for treatment of H5N1 infection. For more info: <http://www.cidrap.umn.edu/cidrap/content/influenza/avianflu/news/jan1807tamiflu.html>. For WHO guidelines on treatment and prophylaxis of H5N1, see [http://www.who.int/csr/disease/avian\\_influenza/guidelines/pharmamanagement/en/index.html](http://www.who.int/csr/disease/avian_influenza/guidelines/pharmamanagement/en/index.html).

**Reported Influenza Cases by Type  
Orange County, 2006-2007 Influenza Season**



### Orange County

- In the past 2 weeks, 38 new influenza cases (32 A, 4 B & 2 A/B unspecified) were reported. Of the 56 total this season; 46 (82%) were A, 8 (14%) B and 2 (4%) A/B unspecified. 41 (73%) were reported from hospitals and 15 (27%) were from ILI sentinel sites. Of the 24 subtyped flu A viruses, 16 were H1 and 8 were H3. Two influenza A viruses have been strain-typed as A/New Caledonia/20/99-like.\*\*

### Avian Influenza Update

- Additional H5N1 avian outbreaks have been reported in Hungary, Japan, Thailand, and Vietnam.
- 269 human H5N1 cases have been confirmed in Azerbaijan (8), Cambodia (6), China (22), Djibouti (1), Egypt (19)\*, Indonesia (80)\*, Iraq (3), Thailand (25), Turkey (12), and Vietnam (93), and have resulted in 163 (61%) deaths. H5N1-infected birds have been reported in multiple areas in Asia, Africa and Europe. For a list of H5N1-affected countries, see <http://www.ochealthinfo.com/epi/af/index.htm>.  
\*New reported case(s) since January 12<sup>nd</sup>.
- Please contact OC Epidemiology immediately at 714-834-8180 to report any suspect avian influenza cases.

### California and USA

- California reported regional influenza activity during week 3. Nationally, 81.5% of influenza detections were A; 18.5% were B. 92% of subtyped A viruses were A (H1); 8% were A (H3). 90% of the A (H1) viruses characterized were similar to A/New Caledonia/20/99-like.\*\* Both A (H3) viruses characterized were A/Wisconsin/67/2005-like.\*\* Of B viruses characterized, 67% were of the B/Victoria lineage and 33% B/Yamagata lineage. 52% of the B/Victoria lineage viruses were characterized as B/Ohio/01/2005-like.\*\*

### \*\*Components of the 2006-2007 US flu vaccine:

- A (H1N1): A/New Caledonia/20/99-like
- A (H3N2): A/Wisconsin/67/2005-like
- B: B/Malaysia/2506/2004-like (equal to B/Ohio/01/2005-like).

#### Recommended Resources

General: <http://www.cdc.gov/flu>

OC: <http://www.ochealthinfo.com/epi/flu/surveillance.htm>

CA: <http://www.dhs.ca.gov/ps/dcdc/VRDL/html/FLU/Fluintro.htm>

CDC: <http://www.cdc.gov/flu/weeklv/>; HHS: <http://www.pandemicflu.gov/>

If you have any comments about the flyer, contact Pamela Roa Hipp or Alina Burgi at (714) 834-8180.

To receive this newsletter by email, please contact us at [epi@ochca.com](mailto:epi@ochca.com).