



Orange County Health Care Agency, Epidemiology & Assessment, 1719 W. 17th St. Santa Ana, CA 92706, (714) 834-8180

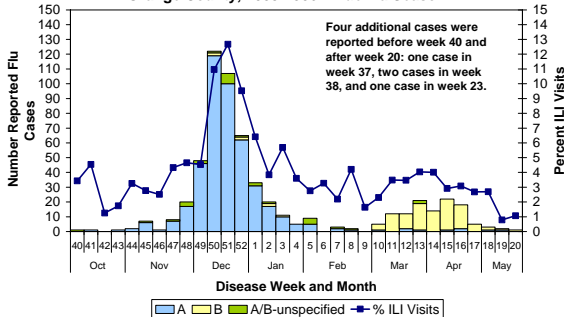


2005-06 Influenza Season Summary Report

Orange County

- Influenza activity in Orange County during the 2005-06 season was similar to that of California, with the peak of influenza A activity in December followed by increases in influenza B later in the season (March & April). Overall the season was more severe than the previous year, but less severe than the 2003-04 season.

Reported Influenza Cases by Type & Percent of Visits Due to Influenza-Like Illness (ILI)
Orange County, 2005-2006 Influenza Season



- To date this season, we have received 585 (445 A, 112 B, 28 A/B unspecified) reports of influenza in OC residents.
- Of the 117 specimens subtyped, 116 were A/H3 and 1 was A/H1. From the 7 isolates submitted for strain-typing, 2 B/Victoria-like and 5 A/California/07/04-like viruses were identified.
- 14 influenza-associated PICU cases, 6 ICU cases and five deaths (including one child) with laboratory-confirmed influenza infection were reported through our surveillance system this year in OC

California

- Overall, influenza activity in California in the 2005-06 influenza season was moderate in severity. The magnitude of influenza activity was higher than last year, but comparable to previous years.
- This season was characterized by a large proportion of specimens in late 2005 testing positive for influenza A, followed by a predominance of detections for influenza B reported in February-April 2006.
- A total of 4156 positive detections for influenza were reported from 22 sentinel labs; 3474 (84%) were influenza A, 653 (16%) influenza B, and 28 (0.67%) influenza A/B unspecified.
- Among the influenza type A isolates subtyped this season, 78 (96.5%) were A/H3N2; of these 77 were strain-typed as A/California/07/2004-like, and one was A/Wisconsin/67/2005 (a new antigenic variant recommended for the 2006-7 vaccine). A/H1 accounted for 3 (3.5%) of the A isolates, of which two were characterized as A/New Caledonia /20/99-like and 1 was A/Hawaii/15/2001-like, a minor antigenic variant of A/New Caledonia/20/99. Among the influenza type B isolates, four (7%) were strain-typed as B/Shanghai/361/2002-like (Yamagata Family) and fifty (93 %) influenza B viruses belonged to the B/Victoria-like family.

National

- Influenza activity in the U.S. peaked in March and continued to decrease during week 20. The percentage of deaths attributed to pneumonia and influenza did not exceed the epidemic threshold this season.
- Since October 2, 2005, 14,093 (80.9 %) positive flu specimens reported were flu A and 3,321 (19.1%) were B.
- Of the A subtypes identified, 92.4% were H3N2 and 7.6% were H1N1. 76% of H3N2 strains were A/California/07/2004-like and 14% were A/Wisconsin/67/2005-like.
- WHO has recommended that the 2006-07 trivalent influenza vaccine for the Northern Hemisphere contain A/New Caledonia/20/99-like (H1N1), A/Wisconsin/67/2005-like (H3N2), and B/Malaysia/2506/2004-like (from the B/Victoria lineage) viruses.

U.S. WHO/NREVSS Collaborating Laboratories
Summary, 2005-06

