



CD Connection

Orange County Communicable Disease News

Health Care Agency/Public Health Services - Epidemiology

December 9, 2011

1719 W. 17th St. Santa Ana, CA 92706, (714) 834-8180



Summary Report for the 2011 West Nile Virus (WNV) Season

If additional cases are reported from 2011, a revised summary will be posted on our website:

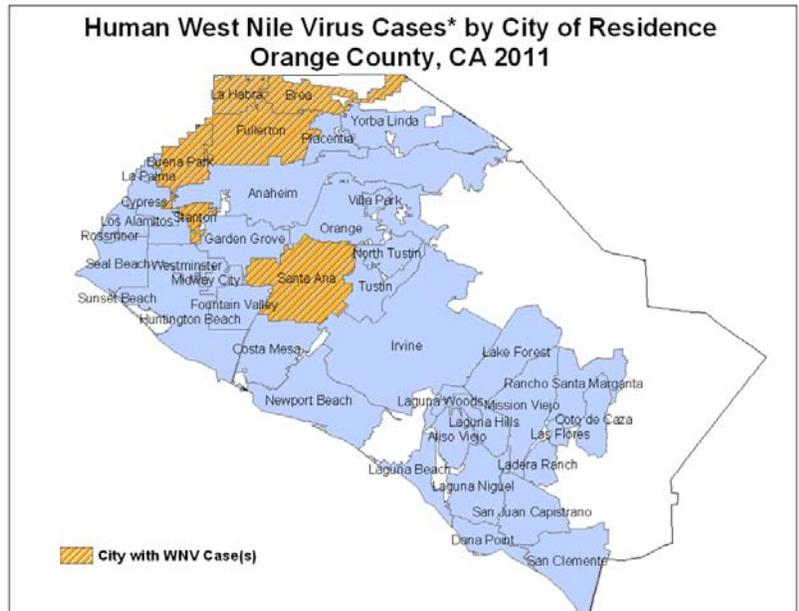
www.ohealthinfo.com/epi/for-phys.htm#Physicians.

Orange County:

- WNV infections:** As of December 8, 2011, 10 WNV cases have been reported in Orange County residents in 2011. All cases (100%) were West Nile neuroinvasive disease (WNND); there were no deaths. The first WNV cases in Orange County were reported in 2004. Since that time, 192 WNV infections, including 7 deaths, have been reported. A total of 180 individuals were classified as symptomatic cases, including 124 (69%) cases with WNND. See the graph below for a comparison of WNV infections by year. *Note: West Nile Fever is usually a self-limited illness and is likely largely underreported. The majority (80%) of WNV infections are asymptomatic.

- Seasonality:** This season, dates of symptom onset for Orange County WNV cases ranged from August 1 to October 15, 2011. In past seasons, human WNV cases have had symptom onset from mid-June to late October. However, positive birds and/or mosquitoes have been detected throughout the year. WNV is endemic in Orange County and human cases are to be expected each year.

- Geographic distribution of WNV cases, 2011:** This season, as in previous seasons, WNV cases were concentrated in Northern Orange County. WNV cases in 2011 resided in the following cities: Brea (1), Buena Park (1), Fullerton (3), La Habra (3), Santa Ana (1), and Stanton (1). See map at right. WNV activity (in birds and mosquitoes) was also focused in Northern Orange County this year but previously has been detected in most areas of Orange County.

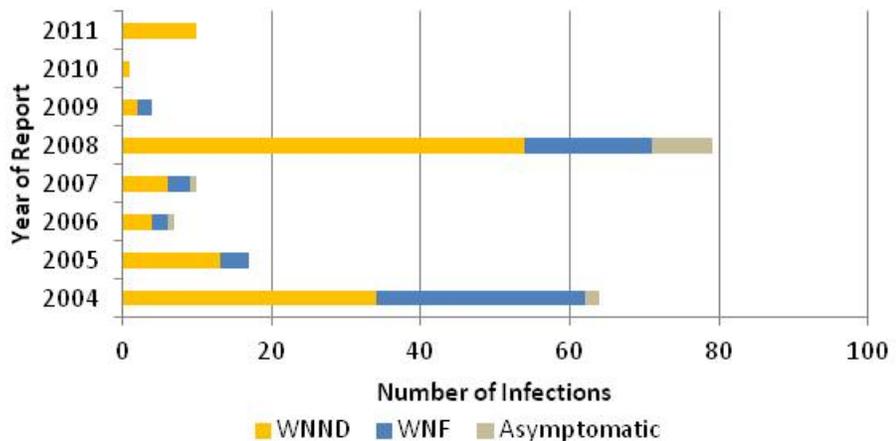


*Note: Location of exposure may differ from the city of residence for WNV cases.

- Demographics for cases, 2011:** The median age for all symptomatic cases reported in 2011 was 65 years (range 30-78 years). Males accounted for the majority (60%) of WNV cases in 2011.

- Clinical outcomes for cases, 2011:** All 10 cases were hospitalized with WNND, with 7 (70%) classified as WN encephalitis and 3 (30%) as WN meningitis. Median length of hospital stay was 11 days (range 3 to 29 days). The majority (70%) of cases were discharged to a skilled nursing facility for further care.

Reported West Nile Virus Infections Orange County, CA 2004-2011



California & United States WNV Activity:

For State updates: www.westnile.ca.gov/.

For CDC updates:

www.cdc.gov/ncidod/dvbid/westnile/

If you have any comments about the flyer, contact Sandra Okubo, MPH or Dr. Michele Cheung at (714) 834-8180.

To receive this newsletter by email, please contact us at epi@ochca.com.