

May 20, 2016

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West Nile Virus Update

Orange County reported its first West Nile virus (WNV) positive mosquito samples and dead birds this week. These are the first indications of WNV in Orange County this year. See the Orange County Mosquito and Vector Control District (OCMVCD) website, www.ocmvcd.org, for more information about mosquito and bird testing. **No human cases have been reported yet this season in California.** The first human cases in Orange County are typically reported in June or July. Now is a great time to remind patients, families, friends and neighbors to remove sources of standing water from around their homes and make sure their windows and screens are in good repair to decrease their risk of WNV infection.

WNV Update – CA: As of May 20, 2016, six California counties beside Orange County have reported WNV activity in the form of positive dead birds and/or mosquito samples: Los Angeles, Riverside, Sacramento, San Diego, Santa Clara, and Solano. See map at right:

- **Clinical Description:**

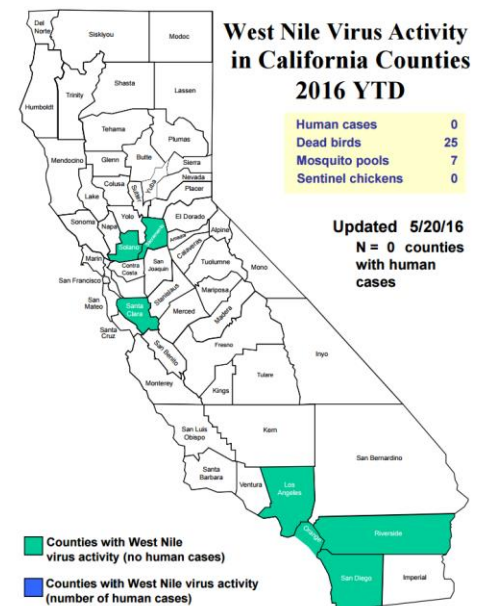
- The incubation period for WNV infection ranges from 2 to 14 days after a bite from an infected mosquito, and may be longer in immunosuppressed individuals.
- Clinical syndromes ranging from febrile headache to aseptic meningitis, encephalitis, or acute flaccid paralysis may occur. Rash, myalgia, lymphadenopathy, and weakness may also be prominent. However, 70-80% of infections may be asymptomatic.

- **Testing for WNV:**

- Send serum for WNV IgM and IgG in suspect WNV cases, and also CSF WNV IgM in cases of neuroinvasive disease. While there is no treatment for WNV, results of testing can guide clinical management during the diagnostic and recovery process and contribute to surveillance efforts to direct mosquito control to help prevent further cases.

- **Help with surveillance of West Nile virus in the community:**

- **Report all WNV infections to Orange County Public Health by phone (714-834-8180) or fax (714-834-8196) within 1 working day.** All infections are investigated by Public Health and sites of potential exposure are shared with OCMVCD to reduce/eliminate potential mosquito breeding sites.
- **Report dead birds for West Nile virus testing:** www.ocvcd.org/vectors.php.



Zika Virus Update

To date there have been no local mosquito-borne Zika cases in the United States.

- **Zika Update – OC & CA:** As of May 20, 2016, there have been 49 travel-associated cases of Zika in California residents, including two in Orange County. For areas with active Zika virus transmission, visit: www.cdc.gov/zika/geo/index.html.
- **Zika Virus FAQs for Health Care Providers**
 CDPH: www.cdph.ca.gov/HealthInfo/discond/Documents/ZIKAVirusFAQsforHealthCareProviders.pdf
 CDC: www.cdc.gov/zika/hc-providers/index.html
- **CDC Tools for Healthcare Providers:** www.cdc.gov/zika/hc-providers/tools.html