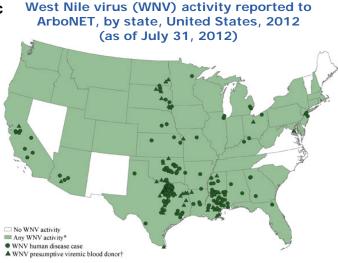
August 1, 2012

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

West Nile Virus & Typhus Update

Orange County reports its first West Nile Virus human infection of the season! The report, received from a blood collection agency, was on an adult male who donated blood that tested positive for WNV during routine screening.

- Consider WNV infection in your patients with aseptic meningitis, encephalitis, or prolonged fever and submit specimens for WNV testing (serum WNV IgM and IgG; in addition, CSF IgM for West Nile Neuroinvasive Disease cases).
 - Testing is available through commercial laboratories and through OC Public Health on a case-by-case basis.
- Public Health by phone (714-834-8180) or fax (714-834-8196) within one working day. All cases of WNV infection are investigated by Public Health and sites of potential exposure are shared with Orange County Vector Control District (OCVCD) so that they can identify, reduce and/or eliminate potential mosquito breeding sites in areas at increased risk of transmission.



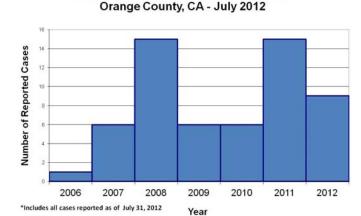
- Educate your patients, staff, and family about WNV prevention avoiding mosquito bites!
 - Eliminate standing water on your property as this is where mosquitoes breed;
 - Make sure that door and window screens are installed and in good condition;
 - o When outdoors, use an insect repellent with DEET, picaridin, IR3535 or oil of lemon eucalyptus;
 - Avoid being outdoors during dusk and dawn and wear long pants and long sleeves when outdoors.

WNV -- California & U.S.: In California, there have been nine human WNV cases reported from five counties this season (as of 7/30) and four presumptive viremic blood donors (asymptomatic), not including ours. Compared to 2011 at this same time, there have been more reports to date this year of human cases, positive dead birds, horses, mosquito pools, and sentinel chicken flocks. Nationally, there have been 241 human WNV

cases, including four deaths, and 104 presumptive viremic blood donors (asymptomatic) from 24 states (as of 7/31). Ninety-seven (40%) of the symptomatic cases have been WNND.

Typhus in Orange County

- Orange County continues to receive reports of endemic (flea-borne) typhus cases, with a total of nine cases so far this year.
- Consider typhus in patients with unexplained fever, headache, myalgia and rash, especially if they also have leukopenia, thrombocytopenia, and/or transaminitis.
- See <u>www.ochealthinfo.com/epi/typhus</u> for more information.



Murine Typhus Cases by Year of Report*

For comments or suggestions on this newsletter, please 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.