



PUBLIC HEALTH

SARA BOSSE
Public Health Director

SIMON PAUL, M.D.
Health Officer

Health Advisory

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CONTACT: publichealth@maderacounty.com

Phone: (559) 675-7893

First Human Case of West Nile Virus in Madera County - 2022

Situational Update

The Madera County Department of Public Health (MCDPH) is reporting the first human case of West Nile virus (WNV) disease in Madera County for the 2022 mosquito season, which usually starts in the summer and continues through late fall. MCDPH is alerting clinicians that there is evidence of mosquitoes currently transmitting WNV locally - as the Madera County Mosquito & Vector Control District has also detected mosquitoes infected with WNV for the current season. Please see actions requested of clinicians (below).

Actions Requested of Clinicians

- Consider mosquito-borne diseases in persons presenting with fever, headache, muscle pain, joint pain, rash, vomiting, diarrhea, or acute neurologic illness who have had recent exposure to mosquitoes.
- If you suspect WNV infection, send serum samples for WNV specific IgM. If neurologic disease is present, also send a CSF sample for WNV specific IgM testing. WNV IgG titers are not diagnostic for a current WNV infection.
 - If the initial WNV IgM test is negative and WNV infection is still suspected, obtain a repeat serum IgM titer approximately 10 days later.
- Health care providers should notify their local health department immediately of any possible cases; for Madera County patients call 559-675-7894 to report a possible case.

For information about WNV and mosquito-borne diseases, visit the following websites:

- The California Department of Public Health Vector-Borne Disease Section's WNV site: <https://westnile.ca.gov/>

Categories of Health Alert Messages:

Health Alert: Conveys the highest level of importance; warrants immediate action or attention

Health Advisory: Provides important information for a specific incident or situation; may not require immediate action

Health Update: Provides updated information regarding an incident or situation; unlikely to require immediate action

Health Information: Provides general health information which is not considered to be of emergent nature



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DEPARTMENT OF PUBLIC HEALTH

1604 Sunrise Ave • Madera, CA 93638 • 559.675.7893 • MadCoServices.com • maderacounty.com/publichealth



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- The Centers for Disease Control and Prevention’s Mosquito-borne Diseases site:
<https://www.cdc.gov/niosh/topics/outdoor/mosquito-borne/default.html>
- The Madera County Mosquito & Vector Control District site:
<https://www.maderacenter.com/campus-life/health-services/virtual-health-wellness-fair/madera-county-mosquito-vector-control-district.html>

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