

Jefferson County Department of Health and Environment (JCDHE)
West Nile Virus (WNV) and Zoonoses
Newsletter # 12
August 29, 2007

WNV NATIONAL

Outside of Colorado, CDC and USGS posted 669 human cases of WNV with 20 deaths: 8 from Alabama (1 death), 16 from Arizona, 3 from Arkansas (1 death), 147 from California (7 deaths), 3 from Connecticut, 3 from Florida (1 death), 9 from Georgia, 24 from Idaho, 11 from Illinois (1 death), 5 from Iowa, 6 from Kansas, 1 from Kentucky, 2 from Louisiana, 1 from Maryland, 32 from Minnesota, 32 from Mississippi (1 death), 5 from Missouri, 37 from Montana (1 Death), 38 from Nebraska (1 death), 3 from Nevada, 14 from New Mexico, 63 from North Dakota (1 death), 1 from Ohio, 13 from Oklahoma (1 death), 3 from Oregon, 1 from Pennsylvania, 81 from South Dakota (3 deaths), 18 from Texas, 6 from Utah, 1 from Virginia, 82 from Wyoming (1 death):

For updates visit their websites at

<http://www.cdc.gov/ncidod/dvbid/westnile/Mapsactivity/surv&control07Maps.htm>

http://diseasemaps.usgs.gov/wnv_us_human.html

WNV COLORADO

The CDPHE has reported a total of 191 human cases from: Adams (11), Arapahoe (5), Bent (1), Boulder (42 and 1 death), Broomfield (7), Cheyenne (2), Custer (1), Delta (1), Denver (5 and 2 deaths), Douglas (2), El Paso (2), Fremont (4), Huerfano (1), Jefferson (9), La Plata (1), Larimer (37), Logan (5), Mesa (7), Morgan (2), Otero (1), Prowers (3), Pueblo (5), Washington (2), Weld (34) and Yuma (1) counties: 159 with fever, 20 with Meningitis, 12 with Encephalitis and 3 deaths.

The total number of mosquito pools submitted thus far is 6,118 and there has been 507 WNV positive pools from the counties of Adams (49), Alamosa (4), Arapahoe (9), Boulder (51), Broomfield (3), Delta (13), Denver (10), Douglas (2), El Paso (8), Fremont (5), Garfield (2), Jefferson (2), La Plata (1), Larimer (177), Las Animas (2), Logan (23), Mesa (12), Morgan (2), Otero (16), Prowers (11), Pueblo (24) and Weld (81). These positive pools represent 8.3% of the total pools (N=6,118) submitted so far this year (up from 7.6% of pools submitted as of last Monday, the 20th). In comparison, at this same time in 2003, 2256 mosquito pools had been tested with a 24.6% positive rate.

To date the CDPHE laboratory has tested 113 dead birds with positive birds from Adams (2), Arapahoe (4), Boulder (2), Denver (1), Douglas (2), El Paso (8), Elbert (1), Larimer (8), Mesa (1), Pueblo (1), Teller (1), and Weld (10) counties. For WNV updates from CDPHE visit their website at

<http://www.cdphe.state.co.us/dc/Zoonosis/wnv/index.html>

HUMAN CASES IN JEFFERSON COUNTY

Colorado Electronic Disease Reporting System (CEDRS) is reporting one additional human case of WNV in residents of Jefferson County bringing the total to 9. Note: Residence in Jefferson County does not mean acquired in Jefferson County. The location where a victim might have been bitten by a mosquito and acquired WNV is not necessarily the victim's residence.

WNV JEFFERSON COUNTY

Mosquito Surveillance: With the continued afternoon showers and cooler night time temperatures the mosquito trapping results continue to decrease in number. This weeks catch are the lowest since trapping began in the first two weeks of June. Mosquito trapping this past week yielded a total of 382 mosquitoes with 190 being Culex mosquitoes. Ottertail Environmental submitted 4 pools of Culex mosquitoes to the state lab for WNV testing during this past week bringing the total number submitted for the season to 79. The highest numbers of Culex were caught at Fossil Trace Golf Course in Golden (79) and Arvada/Blunn Reservoir in Arvada (39) using the sum of two trap nights. None of the mosquito pools submitted this past week tested positive for WNV.

Mosquito Control: Our integrated mosquito control contractor, Ottertail Environmental, identifies, monitors, and inspects "mosquito breeding sites" throughout the county. During the past week Ottertail conducted 471 larval habitat site inspections. Out of these inspections, 125 sites were treated for Culex larvae and 2 sites were found breeding non-Culex mosquitoes.

REMEMBER:

- **Always use repellent for ALL outdoor activities. Use DEET or one of the two new EPA approved repellents, Picaridin or Oil of Lemon Eucalyptus, (according to labeled instructions).**
- Wear long sleeves and pants when outdoors at dawn and dusk.
- Citizens should **DRAIN** and **EMPTY** all containers in their yard because you can be bitten by WNV carrying mosquitoes in your own yards.
- Check your home to make sure all windows and doors have screens and are in good condition. This will reduce the chance of mosquitoes and bats gaining entry into your home.
- For additional information on how to protect you and your family around home go to <http://health.jeffco.us> and go to the WNV page and click on prevention.

Mosquito Complaint Hotline:

Ottertail Environmental operates a toll free telephone line for citizen reports and concerns, that number is 1-888-774-2161 and locally the local number is 303 273-2878.

RABIES IN JEFFERSON COUNTY

JCDHE has tested a total of 58 animals for rabies with 27 of those being bats and all test results have been negative.

For More Information on WNV and other Zoonoses visit our web site at:

http://www.jefferson.co.us/ext/dpt/health/home_ehs.htm,
call 303 239 7075 or contact dvolkel@jeffco.us or jdale@jeffco.us