

Jefferson County Department of Health and Environment (JCDHE)
September 13, 2006
West Nile Virus/ZONOSIS Update #18-2006

NATIONAL

As of September 12, 2006, outside of Colorado, 1559 human cases have been reported to CDC from the following states: Alabama (4), Arizona (13), Arkansas (9), California (159), Connecticut (7), DC (1), Florida (2), Georgia (5), Idaho (325), Illinois (94), Indiana (1), Iowa (19), Kansas (22), Louisiana (64), Maryland (1), Michigan (14), Minnesota (52), Mississippi (70), Missouri (24), Montana (10), Nebraska (56), Nevada (99), New Jersey (3), New Mexico (3), New York (8), North Dakota (101), Ohio (11), Oklahoma (22), Oregon (22), Pennsylvania (6), South Dakota (86), Texas (129), Utah (81), West Virginia (1), Wisconsin (6), and Wyoming (29).

As of September 12, 2006 a total of 159 presumptively viremic blood donors (PVD) have been reported to CDC's ArboNET surveillance program through state and local health departments. A PVD is a person whose blood tested positive when screened for the presence of West Nile Virus. PVDs are followed up by the blood agency to verify their infection with additional tests. Some PVDs do go on to develop symptoms after donation, at which point they would be included in the count of human disease cases by their state.

For CDC updates visit their website at http://www.cdc.gov/ncidod/dvbid/westnile/surv&controlCaseCount06_detailed.htm.

COLORADO

As of September 12, 2006, outside of Jefferson County, the human case total is 162 (compared to 54 cases reported at this time last year) with cases in: Adams (6), Bent (3), Boulder (35), Broomfield (2), Crowley (2), Delta (22), Denver (3), Eagle (1), Elbert (1), El Paso (2), La Plata (2), Larimer (18), Logan (3), Mesa (25), Montrose (6), Morgan (1), Otero (1), Phillips (1), Prowers (4), and Weld (22) counties. For updates on WNV in Colorado, please visit CDPHE's Zoonosis website at <http://www.cdphe.state.co.us/dc/Zoonosis/Zoonosis.asp>

As of September 11, 2006, 5275 mosquito pools have been submitted for testing and 393 mosquito pools tested positive for WNV (7.5%). This rate is substantially higher than at this time last year when 119 pools out of 5545 (2%) had a positive result. The counties with positive mosquito pools are: Adams (15), Alamosa (4), Arapahoe (7), Boulder (99), Broomfield (7), Crowley (2), Delta (19), Denver (5), El Paso (3), Elbert (2), Garfield (1), Jefferson (7), La Plata (1), Larimer (88), Las Animas (3), Mesa (21), Morgan (5), Otero (11), Prowers (14), Pueblo (10) and Weld (69). The number of positive dead birds is 43 out of 240 (18%).

JEFFERSON COUNTY

As of Sept 12, 2006 Jefferson County has three reported cases of WNV in humans and regrettably one was the only fatality thus far in the state.

Mosquito Surveillance: During the past week, our contractor conducted mosquito trapping at 17 locations in the county which yielded a total of 277 mosquitoes with 68 being Culex mosquitoes. The total to date is 9685 mosquitoes with 2533 being Culex. Ottertail Environmental submitted 9 pools of Culex mosquitoes to the state lab for WNV testing during this past week bringing the total number submitted to 96. Jefferson County now has 7 positive mosquito pools for WNV. Due to continued wet and cool conditions the past week the number of Culex mosquitoes caught was significantly reduced. The highest numbers of Culex mosquitoes were caught in the Ralston Creek traps in Arvada (37). Blunn Reservoir in Arvada continued to get the highest number of non-vector mosquitoes with 107 Aedes mosquitoes trapped.

Dead Bird Surveillance: JCDHE will track reports of dead birds east of the foothills and will test any corvids (Jays, Magpies, and Crows) or raptors that die in the foothills that are picked up and submitted by Jefferson County Animal Control. We will closely monitor dead bird reports in conjunction with our sentinel mosquito program.

Mosquito Control: From September 1 to September 7, 2006, our integrated mosquito control contractor, Ottertail Environmental conducted 473 larval habitat site inspections. Out of these inspections, 111 sites were treated for Culex larvae and 8 sites were found breeding non-vector mosquitoes. The total number of larval site inspections for the year is 7326 with 1251 sites treated for Culex mosquitoes and 218 inspections showing non-vector 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.
- Drain and empty all containers in their yard because citizens can be bitten by WNV carrying mosquitoes in their own yards
- Check your home to make sure all windows have screens and are in good condition. This will reduce the chance of mosquitoes and bats gaining entry into your home.

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 303 858 8350.

Rabies:

As of Sept 13, 2006, we have had 17 positive specimens for rabies – all bats.

JCDHE has submitted 74 bats, 14 cats, 11 dogs, 7 skunks, and 3 raccoons for rabies testing as of Sept 6, 2006.

For More Information on WNV and other Zoonoses:

Visit our web site for information and other resources on WNV at

http://www.jefferson.co.us/ext/dpt/health/home_ehs.htm or call 303 239 7075.

or contact dvolkel@jeffco.us or jdale@jeffco.us