

Jefferson County Department of Health and Environment (JCDHE)
September 6, 2006
West Nile Virus/ZOONOSES Update #17-2006

NATIONAL

As of September 5, 2006, outside of Colorado, 1192 human cases have been reported to CDC from the following states: Arizona (13), Arkansas (9), California (138), Connecticut (6), Florida (2), Georgia (3), Idaho (292), Illinois (39), Indiana (1), Iowa (9), Kansas (18), Louisiana (43), Michigan (4), Minnesota (42), Mississippi (32), Missouri (16), Montana (10), Nebraska (55), Nevada (85), New Jersey (1), New Mexico (2), New York (1), North Dakota (77), Ohio (3), Oklahoma (13), Oregon (22), Pennsylvania (5), South Dakota (68), Texas (101), Utah (62), West Virginia (1), Wisconsin, (3), and Wyoming (16).

As of September 5, 2006 a total of 133 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 5, 2006, outside of Jefferson County, the human case total is 110 with cases in Adams (4), Bent (3), Boulder (22), Crowley (1), Delta (16), Eagle (1), Elbert (1), El Paso (2), La Plata (1), Larimer (12), Logan (2), Mesa (18), Montrose (6), Morgan (1), Otero (1) Phillips (1), Prowers (3), and Weld (15) 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 5, 2006, there has been 4992 mosquito pools submitted for testing and 370 mosquito pools tested positive for WNV: Adams (15), Arapahoe (4), Boulder (93), Broomfield (5), Crowley (2), Delta (17), Denver (5), El Paso (1), Elbert (2) Jefferson (7), La Plata (1), Larimer (88), Las Animas (3), Mesa (19), Morgan (5), Otero (10), Prowers (12), Pueblo (8) and Weld (68). These positive pools represent 7% of the total pools (N=4992) submitted so far this year. This rate is substantially higher than at this time last year when 112 pools out of 5302 (2%) had a positive result. In addition, the number of positive dead birds is also on the rise: 40 dead birds out of 227 (18%) tested positive.

Larimer County issued a press release on August 31, 2006 stating that they are capturing high numbers Culex mosquitoes which are the primary vector for West Nile Virus. City and County officials are considering truck-based spraying in areas of highest activity, according to the Larimer County Department of Health and Environment

JEFFERSON COUNTY

As of Sept 5, 2006 Jefferson County has two reported cases of WNV in humans.

Mosquito Surveillance: During the past week, our contractor conducted mosquito trapping at 17 locations in the county which yielded a total of 462 mosquitoes with 64 being Culex mosquitoes. The total to date is 9408 mosquitoes with 2465 being Culex. Ottertail Environmental submitted 10 pools of Culex mosquitoes to the state lab for WNV testing during this past week bringing the total number submitted to 87. Jefferson County now has 7 positive mosquito pools for WNV. Due wet and cool conditions the past week the number of Culex mosquitoes caught was significantly reduced with no more than 10 caught in any of the traps. Blunn Reservoir in Arvada continued to get the highest number of non-vector mosquitoes with 219 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 August 25 to August 31, 2006, our integrated mosquito control contractor, Ottertail Environmental conducted 454 larval habitat site inspections. Out of these inspections, 110 sites were treated for Culex larvae and 10 sites were found breeding non-vector mosquitoes. The total number of larval site inspections for the year is 6853 with 1140 sites treated for Culex mosquitoes and 210 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 6, 2006, we have had 16 positive specimens for rabies – all bats. JCDHE has submitted 72 bats, 12 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