

**Jefferson County Department of Health and Environment (JCDHE)**  
**West Nile Virus (WNV) and Zoonoses**  
**Newsletter # 11**  
**August 23, 2007**

**WNV NATIONAL**

Outside of Colorado, CDC and USGS posted 504 human cases of WNV: 7 from Alabama (1 death), 16 from Arizona, 3 from Arkansas (1 death), 120 from California (7 deaths), 2 from Connecticut, 3 from Florida (1 death), 6 from Georgia, 24 from Idaho, 11 from Illinois (1 death), 3 from Iowa, 6 from Kansas, 1 from Kentucky, 2 from Louisiana, 24 from Minnesota, 14 from Mississippi (1 death), 5 from Missouri, 6 from Montana, 27 from Nebraska, 3 from Nevada, 11 from New Mexico, 52 from North Dakota (1 death), 1 from Ohio, 8 from Oklahoma, 1 from Pennsylvania, 81 from South Dakota (3 deaths), 13 from Texas, 4 from Utah, 1 from Virginia, 49 from Wyoming (1 death):

For updates visit their websites at

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

[http://diseasemaps.usgs.gov/wnv\\_us\\_human.html](http://diseasemaps.usgs.gov/wnv_us_human.html)

**WNV COLORADO**

State health officials announced another death due to WNV of a Boulder County resident bringing the total to 3.

The CDPHE has reported a total of 146 human cases from: Adams (10), Arapahoe (2), Boulder (32), Broomfield (4), Cheyenne (2), Custer (1), Delta (1), Denver (3), Douglas (1), El Paso (1), Fremont (3), Huerfano (1), Jefferson (8), La Plata (1), Larimer (32), Logan (3), Mesa (3), Morgan (1), Otero (1), Prowers (3), Pueblo (4), Washington (1), and Weld (28) counties: 127 with fever, 11 with Meningitis, 8 with Encephalitis and 3 deaths.

From 5628 mosquito pools submitted there have been 431 positive mosquito pools from the counties of Adams (39), Alamosa (4), Arapahoe (8), Boulder (46), Broomfield (3), Delta (8), Denver (10), El Paso (7), Fremont (3), Garfield (2), Gunnison (1), Jefferson (2), La Plata (1), Larimer (148), Las Animas (2), Logan (20), Mesa (8), Morgan (2), Otero (16), Prowers (11), Pueblo (18) and Weld (72).

To date the CDPHE laboratory has tested 103 dead birds with positive birds from Adams (1), Arapahoe (3), Boulder (2), Douglas (2), El Paso (6), Elbert (1), Larimer (8), 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 four additional human cases of WNV in residents of Jefferson County bringing the total to 8. 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:** Mosquito trapping this past week yielded a total of 746 mosquitoes with 221 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 75. The highest numbers of Culex were caught at Fossil Trace Golf Course in Golden (93) and Arvada/Blunn Reservoir in Arvada (50) 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 641 larval habitat site inspections. Out of these inspections, 157 sites were treated for Culex larvae and 4 sites were found breeding non-Culex mosquitoes.

The Colorado Department of Public Health and Environment has noted that, "Early in the 2007 season it looked like this could have been the most active year since the 2003 epidemic. While case totals will likely be the highest since 2003, it is apparent that Colorado will not report numbers near the 2003 level. The

following factors have helped to reduce WNV cases in 2007. Mosquito populations and infection rates have not reached 2003 levels in southeastern Colorado or the Western Slope. Several Colorado communities have developed larval mosquito control programs and many communities in the northeast (where the historically the risk has been the highest) conducted emergency adult mosquito control in July while populations and infection rates were still rising and continued efforts to keep the public educated and informed of the WNV risk to practice the following prevention methods.”

### **CONTINUE TO:**

- **Always use repellent for ALL outdoor activities. Use DEET or one of the two new EPA approved repellants, 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 55 animals for rabies with 24 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](http://www.jefferson.co.us/ext/dpt/health/home_ehs.htm),  
call 303 239 7075 or contact [dvolkel@jeffco.us](mailto:dvolkel@jeffco.us) or [jdale@jeffco.us](mailto:jdale@jeffco.us)