

**Jefferson County Department of Health and Environment (JCDHE)**  
**West Nile Virus (WNV) and Zoonoses**  
**Newsletter # 13**  
**September 6, 2007**

**WNV NATIONAL**

Outside of Colorado, CDC and USGS posted 834 human cases of WNV with 25 deaths: 8 from Alabama (1 death), 16 from Arizona, 5 from Arkansas (1 death), 172 from California (10 deaths), 4 from Connecticut, 3 from Florida (1 death), 11 from Georgia, 24 from Idaho, 11 from Illinois (1 death), 9 from Iowa, 10 from Kansas, 1 from Kentucky, 2 from Louisiana, 1 from Maryland, 50 from Minnesota, 44 from Mississippi (1 death), 15 from Missouri, 50 from Montana (1 Death), 46 from Nebraska (1 death), 3 from Nevada, 19 from New Mexico, 63 from North Dakota (1 death), 1 from Ohio, 26 from Oklahoma (3 deaths), 11 from Oregon, 1 from Pennsylvania, 81 from South Dakota (3 deaths), 3 from Tennessee, 18 from Texas, 6 from Utah, 1 from Virginia, 119 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](http://diseasemaps.usgs.gov/wnv_us_human.html)

**WNV COLORADO**

The CDPHE has reported a total of 266 human cases from: Adams (15), Arapahoe (7), Bent (2), Boulder (58 with 2 deaths), Broomfield (9), Cheyenne (2), Custer (1), Delta (1), Denver (8 with 2 deaths), Douglas (4), El Paso (3), Fremont (5), Garfield (1), Huerfano (1), Jefferson (14), La Plata (1), Larimer (50), Las Animas (1), Logan (5), Mesa (11), Montezuma (1), Montrose (1), Morgan (3), Otero (7), Prowers (4), Pueblo (6), Washington (2), Weld (42) and Yuma (1) counties: 224 with fever, 23 with Meningitis, 19 with Encephalitis and 4 deaths.

The total number of mosquito pools submitted thus far is 6629 and there has been 581 WNV positive pools from the counties of Adams (51), Alamosa (4), Arapahoe (9), Boulder (54), Broomfield (4), Delta (13), Denver (10), Douglas (2), El Paso (9), Fremont (5), Garfield (2), Jefferson (2), La Plata (1), Larimer (226), Las Animas (2), Logan (26), Mesa (13), Morgan (2), Otero (17), Prowers (11), Pueblo (27) and Weld (91).

To date the CDPHE laboratory has tested 117 dead birds with positive birds from Adams (2), Arapahoe (4), Boulder (2), Denver (2), Douglas (2), El Paso (9), 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 5 additional human cases of WNV in residents of Jefferson County bringing the total to 14. 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 254 mosquitoes with 149 being Culex mosquitoes. Ottetail Environmental submitted 3 pools of Culex mosquitoes to the state lab for WNV testing during this past week bringing the total number for the season to 82. The highest numbers of Culex were caught at Johnson Park in Wheat Ridge (28) and Arvada/Blunn Reservoir in Arvada (34). None of the mosquito pools submitted this past week tested positive for WNV. Last week was the final week for mosquito trapping in Jefferson County. For the season JCDHE had two mosquito pools test positive for WNV, one pool from the week of July 2 and one pool from the week of July 23, 2007.

**Mosquito Control:** Our integrated mosquito control contractor, Ottetail Environmental, identifies, monitors, and inspects "mosquito breeding sites" throughout the county and will continue this process through the month of September. During the past week Ottetail conducted 491 larval habitat site inspections. Out of these inspections, 110 sites were treated for Culex larvae and 2 sites were found breeding non-Culex mosquitoes.

### **CONTINUE TO PRACTICE THE “Ds”:**

- **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 61 animals for rabies with 28 of those being bats and all test results have been negative. At this time in 2006 JCDHE had submitted 105 specimens for rabies testing with 69 of those being bats with 17 of those bats positive for rabies.

**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)