

Zoonotic Surveillance Update Season to date as of July 11th, 2008

For the week ending July 11th, there were no positive zoonotic or human cases. As of July 16, 2008 there are 15 mosquito pools pending results for West Nile Virus testing. **Table 1 has been updated to include totals for the 2008 calendar year.**

Table 1: 2008 Boulder County Animal / Arthropod Zoonotic Surveillance				
Species	Tested 7/5-7/11	Positive 7/5-7/11	Total Tested 2008	Total Positive 2008
Bubonic Plague				
*Flea	0	0	1	0
Mountain lion	0	0	10	2
Prairie dog	0	0	1	0
Rabbit	0	0	3	0
Rat	0	0	1	0
Tree squirrel, <i>Sciurus niger</i>	0	0	4	0
Plague Total	0	0	20	2
Rabies				
Big brown bat, <i>Eptesicus fuscus</i>	5	0	20	1
Cat	0	0	5	0
Dog	0	0	5	0
Horse	1	0	1	0
<i>Myotis</i> species	0	0	8	0
Raccoon	0	0	4	0
Silver-haired bat, <i>Lasiurus noctivagans</i>	0	0	1	0
Skunk	0	0	1	0
Rabies Total	6	0	45	1
Tularemia				
Cat	0	0	1	0
*Flea	0	0	1	0
Rabbit	0	0	1	0
Tree squirrel, <i>Sciurus niger</i>	0	0	4	0
Tularemia Total	0	0	7	0
West Nile Virus				
** <i>Culex</i> spp.	0	0	2	0
** <i>Culex erythrothorax</i>	1	0	4	0
** <i>Culex pipiens</i>	1	0	3	0
** <i>Culex salinarius</i>	0	0	1	0
** <i>Culex tarsalis</i>	5	0	27	0
West Nile Total	7	0	37	0

* Flea pools tested. One pool could equal 1-234 fleas.

**Mosquito pools tested. One pool could equal 1-60 mosquitoes.

Table 2: 2008 Boulder County Human Zoonoses Surveillance of Confirmed & Probable Cases

	Cases 7/5-7/11*	Deaths 7/5-7/11*	Total 2008 Cases	Total 2008 Deaths
Hantavirus	0	0	0	0
Bubonic Plague	0	0	0	0
Tularemia	0	0	0	0
West Nile Virus	0	0	1	0
Total	0	0	1	0

*By report date

Table 3: 2008 Boulder County Mosquito Trap Counts, Totals by Week

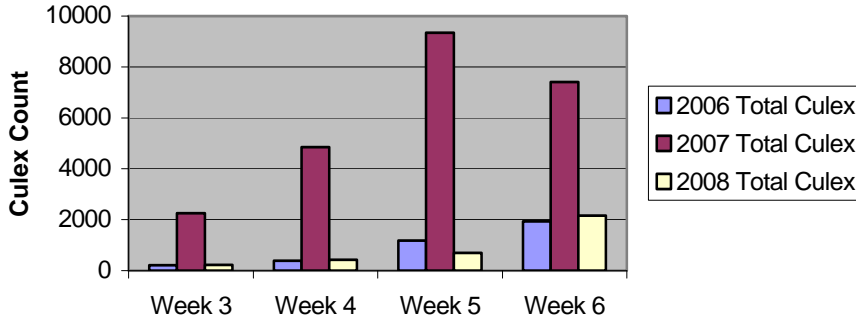
	Season Total	6-Jun	13-Jun	20-Jun	27-Jun	4-Jul	11-Jul
<i>C. pipiens</i>	205	66	17	122	80	92	358
<i>C. tarsalis</i>	240	96	56	88	309	566	1758
Other <i>Culex</i>	18	0	0	18	46	42	43
Total <i>Culex</i>	463	162	73	228	435	700	2159
Total Mosquito	19164	3799	5415	9950	9111	6694	9106

The Vector Index (VI) is the average number of infected *Culex* mosquitoes collected per trap night per defined area. A value ≥ 0.75 indicates a high level human risk.

Table 4: 2008 Boulder County Vector Index by Week

6-Jun	13-Jun	20-Jun	27-Jun	4-Jul	11-Jul
0.0	0.0	0.0	0.0	0.0	0.0

Graph 1: Boulder County Mosquito Trap Counts for Culex, Four Week Comparison for 2006, 2007, 2008



Graph 2: 2008 Boulder County Mosquito Trap Count Totals for the Last Four Weeks

