

Zoonotic Surveillance Update Season to date as of July 18th, 2008

For the week ending July 18th, there are no positive animal cases. Two reports of human West Nile Virus in Boulder County are currently being investigated, but have not been confirmed at this time.

Table 1: 2008 Boulder County Animal / Arthropod Zoonotic Surveillance				
Species	Tested 7/12-7/18	Positive 7/12-7/18	Total Tested 2008	Total Positive 2008
Rabies				
Big brown bat, <i>Eptesicus fuscus</i>	6	0	26	1
Cat	0	0	5	0
Dog	0	0	5	0
Horse	0	0	1	0
<i>Myotis</i>	0	0	8	0
Raccoon	0	0	4	0
Silver-haired bat, <i>Lasionycteris noctivagans</i>	0	0	1	0
Skunk	1	0	2	0
Rabies Total	4	0	52	1
Plague				
Cat	0	0	1	0
Flea	0	0	10	2
Mountain lion	0	0	1	0
Prairie dog	0	0	3	0
Rabbit	0	0	1	0
Tree squirrel, <i>Sciurus niger</i>	0	0	4	0
Plague Total	0	0	20	2
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.	3	0	7	0
<i>C. erythrothorax</i>	1	0	5	0
<i>C. pipiens</i>	0	0	3	0
<i>C. salinarius</i>	0	0	1	0
<i>C. tarsalis</i>	28	0	66	0
West Nile Virus Total	32	0	82	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 7/12-7/18*	Deaths 7/12-7/18*	Total Cases 2008	Total Deaths 2008
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

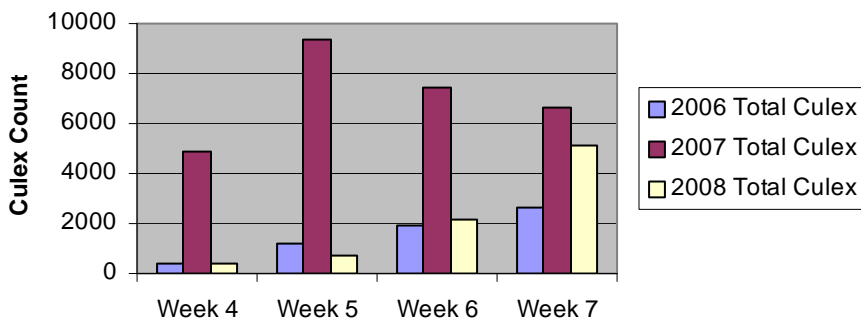
	Season Total	6-Jun	13-Jun	20-Jun	27-Jun	4-Jul	11-Jul	18-Jul
<i>C. pipiens</i>	1570	66	17	122	80	92	358	835
<i>C. tarsalis</i>	6966	96	56	88	309	566	1758	4093
Other <i>Culex</i>	311	0	0	18	46	42	43	162
Total <i>Culex</i>	8847	162	73	228	435	700	2159	5090
Total Mosquito	58958	3799	5415	9950	9111	6694	9106	14883

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	18-Jul
0.0	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

