

## Zoonotic Surveillance Update Season to date as of July 25<sup>th</sup>, 2008

For the week ending July 25<sup>th</sup>, there are no positive zoonotic cases. There are four mosquito pool samples pending. There have been a total of 4 human West Nile Virus cases this season. In addition, one more is being investigated.

Table 1: 2008 Boulder County Animal / Arthropod Zoonotic Surveillance				
Species	Tested 7/19-7/25	Positive 7/19-7/25	Total Tested 2008	Total Positive 2008
Rabies				
Big brown bat, <i>Eptesicus fuscus</i>	1	0	27	1
Cat	0	0	5	0
Dog	0	0	5	0
Horse	0	0	1	0
Long-eared myotis, <i>M. evotis</i>	1	0	1	0
<i>Myotis</i> spp.	2	0	10	0
Raccoon	0	0	4	0
Silver-haired bat, <i>Lasionycteris noctivagans</i>	0	0	1	0
Skunk	0	0	2	0
<b>Rabies Total</b>	<b>4</b>	<b>0</b>	<b>56</b>	<b>1</b>
Plague				
Cat	0	0	1	0
Flea	0	0	10	2
Mountain lion	0	0	1	0
Priarie dog	0	0	3	0
Rabbit	0	0	1	0
Tree squirrel, <i>Sciurus niger</i>	0	0	4	0
<b>Plague Total</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>2</b>
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
<b>Tularemia Total</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>
West Nile Virus				
<i>Culex</i> spp.	4	0	11	0
<i>C. erythrothorax</i>	0	0	5	0
<i>C. pipiens</i>	0	0	3	0
<i>C. salinarius</i>	0	0	1	0
<i>C. tarsalis</i>	31	0	97	0
Horse	1	0	1	0
<b>West Nile Virus Total</b>	<b>36</b>	<b>0</b>	<b>118</b>	<b>0</b>

\* 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 7/19-7/25	Deaths 7/19-7/25	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	4	0
<b>Total</b>	0	0	<b>4</b>	0

\*By report date

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

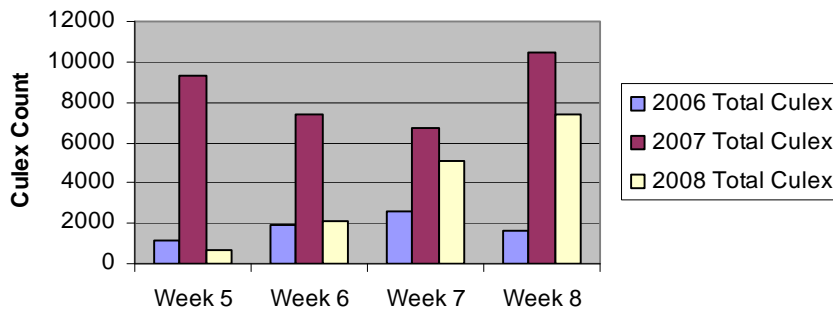
	Season Total	6-Jun	13-Jun	20-Jun	27-Jun	4-Jul	11-Jul	18-Jul	25-Jul
<i>C. pipiens</i>	1570	66	17	122	80	92	358	835	1810
<i>C. tarsalis</i>	6966	96	56	88	309	566	1758	4093	5536
Other <i>Culex</i>	311	0	0	18	46	42	43	162	72
Total <i>Culex</i>	8847	162	73	228	435	700	2159	5090	7418
Total Mosquito	58958	3799	5415	9950	9111	6694	9106	14883	14968

The Vector Index (VI) is the average number of infected *Culex* mosquitoes collected per trap night per defined area. A value  $\geq 0.75$  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	25-Jul
0.0	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

