



Zoonotic Disease Report July 25 – July 31, 2021 (Week 30)

Executive Summary

- Boulder County submitted 15 mosquito pools for West Nile virus testing. Four pools tested positive: BCZ1 (1), BCZ2 (2), BCZ3 (1). No human cases are reported at this time.
- WNV transmission risk remains high and all residents are encouraged to take personal protective precautions.
- Mosquito abundance (all species) and Culex species (WNV vectors) continue to be at historical highs for the week.
- Statewide, 40 specimens have tested positive for rabies in 2021 including three domestic animals: Miniature Horse (Adams), Mule (Eagle), and Cat (Morgan).
- Two samples were submitted for rabies testing, including two bats. All specimens were negative. No samples were submitted for plague, tularemia or hantavirus.

West Nile Virus Disease Cases* and Presumptive Viremic Blood Donors by State – United States, 2021 (as of July 27, 2021)

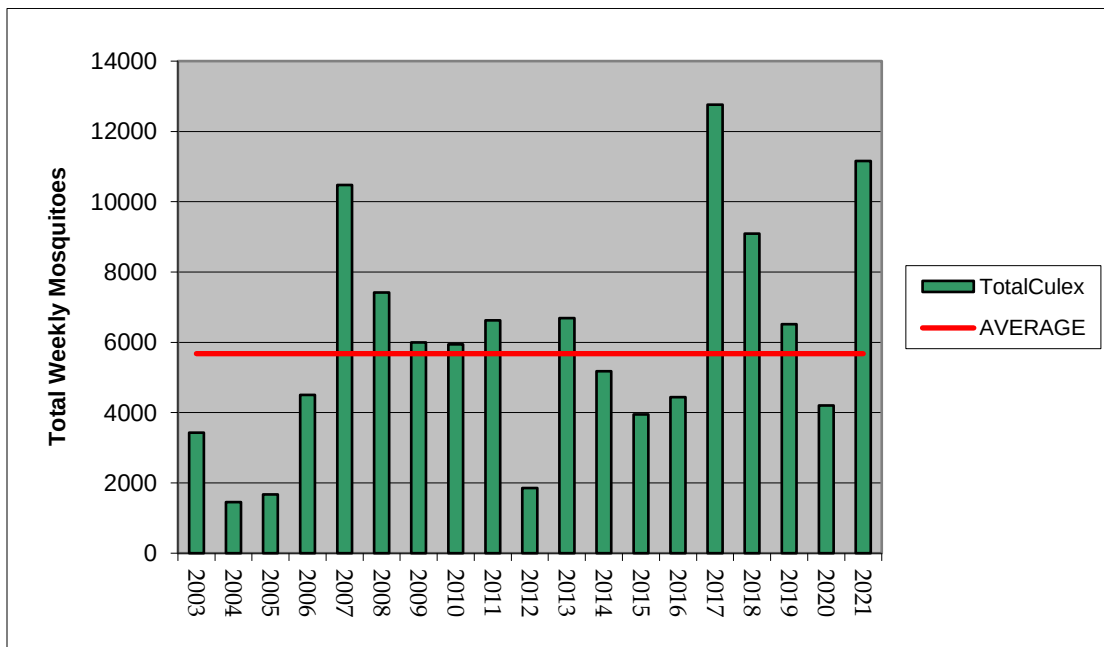
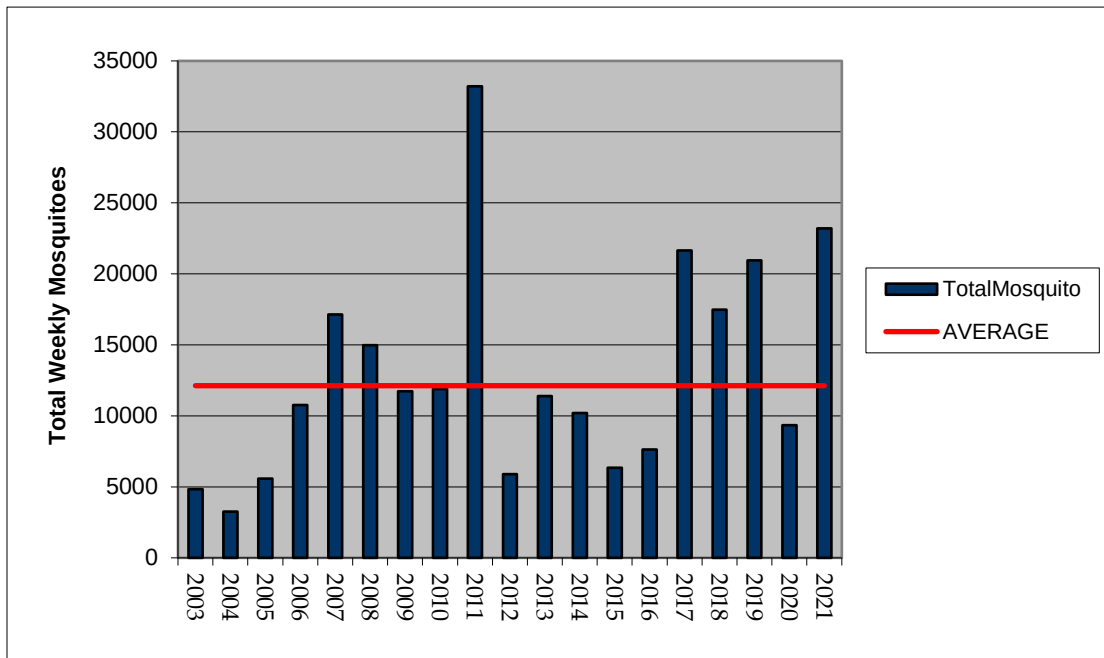
State	Neuroinvasive Disease Cases†	Non-neuroinvasive Disease Cases	Total cases	Deaths	Presumptive viremic blood donors‡
Arizona	9	3	12	0	1
Arkansas	1	0	1	1	0
California	2	1	3	1	1
Iowa	1	1	2	0	0
Nebraska	0	1	1	0	0
North Dakota	0	1	1	0	0
Texas	1	0	1	0	1
Totals	14	7	21	2	3

*Includes confirmed and probable cases.

†Includes cases reported as meningitis, encephalitis, or acute flaccid paralysis.

Mosquito Activity

Week 30



WEST NILE VIRUS VECTOR INDEX LOG			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 26	0.00	0.00	0.00
Week 27	0.00	0.00	0.00
Week 28	0.00	0.00	0.00
Week 29	0.95	5.03	0.00
Week 30	0.76	1.86	0.49
Week 31			
Week 32			
Week 33			
Week 34			
Week 35			
Week 36			
Week 37			
Week 38			
Week 39			
Week 40			

Note: Table reflects only testing submitted by Boulder County Public Health. Additional testing may occur through other agencies.

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

Caveats

- Data are provided from the Colorado Department of Public Health and Environment (CDPHE) Zoonotic database and may not include samples submitted for testing prior to publishing of this report.
- Data reflect all samples submitted by Boulder County Public Health by other agencies or private veterinary practices.
- 'Positive Vectors' include only samples that have tested positive. Some samples submitted may be deemed untestable.
- 'Submitted Vectors' denoted with (*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.
- WNV pools only reflect samples submitted by Boulder County Public Health. Additional testing may occur through other agencies.

Submissions and Results by Disease

SUBMITTED VECTORS							POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	13	0	0	0	0	13	2	0	0	0	0	2
Wk21*	5	0	0	0	0	5	1	0	0	0	0	1
Wk22	2	0	0	0	0	2	0	0	0	0	0	0
Wk23	3	1	1	0	0	5	1	1	0	0	0	2
Wk24	3	0	0	0	0	3	0	0	0	0	0	0
Wk25	4	0	0	0	0	4	0	0	0	0	0	0
Wk26	5	0	0	6	0	11	1	0	0	0	0	1
Wk27	4	0	0	17	0	21	0	0	0	0	0	0
Wk28	9	0	0	15	0	24	2	0	0	0	0	2
Wk29	3	0	0	15	0	18	0	0	0	3	0	3
Wk30	2	0	0	15	0	17	0	0	0	4	0	4
Wk31						0						0
Wk32						0						0
Wk33						0						0
Wk34						0						0
Wk35						0						0
Wk36						0						0
Wk37						0						0
Wk38						0						0
Wk39						0						0
Wk40						0						0
TOTAL TO DATE	53	1	1	68	0	123	7	1	0	7	0	15

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	23	0	0	0
Skunk	10	0	0	0
Raccoon	6	0	0	0
Squirrel	0	0	0	0
Cat	6	1	1	0
Flea	0	0	0	0
Dog	4	0	0	0
Fox	0	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	0	0
Other	4	0	0	0
TOTALS	53	1	1	0

SEASON-TO-DATE DISEASE POSITIVES BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	2	0	0	0
Skunk	5	0	0	0
Raccoon	0	0	0	0
Squirrel	0	0	0	0
Cat	0	1	0	0
Flea	0	0	0	0
Dog	0	0	0	0
Fox	0	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	0	0
Other	0	0	0	0
TOTALS	7	1	0	0

Testing by Disease

