



Zoonotic Disease Report May 28 – June 03, 2017 (Week 22)

Executive Summary

- Statewide 59 specimens have tested positive for rabies in 2017 including two domestic dogs in Yuma and Weld Counties. This compares with 88 total positive specimens in 2016.
- 2017 Colorado rabies positive specimens: Skunk (46), Bat (8), Dog (2), Fox (2), Coyote (1)
- In Boulder County one bat and one skunk have tested positive for rabies.
- One cat in Longmont tested positive for plague in May.
- Larval mosquito control and adult surveillance has begun.
- Testing of mosquitoes for West Nile virus will begin June 12th.
- One bat was tested for rabies this week, testing negative.
- No specimens were submitted for plague, tularemia, or hantavirus testing this week.

Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

West Nile Virus (WNV) Activity

SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY			
Location	Non-Neuroinvasive Disease Cases	Neuroinvasive Disease Cases	Deaths
Boulder County	0	0	0
Colorado	0	0	0
United States	***	***	***

NOTE: Numbers in **red** signify an increase from the previous week.

*** Indicates incomplete data

West Nile Virus (WNV) Vector Index

The vector index (VI) is a function of calculated infection rate, adjusted for *Culex* mosquito population size within a given area. Developed by the CDC, the VI is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans and influences the Mosquito Control District's adult mosquito emergency control measures. The vector index is calculated for [three monitoring zones in Boulder County](#).

NOTE: (*) indicates that every pool submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	-----	-----	-----
Week 22	-----	-----	-----
Week 23			
Week 24			
Week 25			
Week 26			
Week 27			
Week 28			
Week 29			
Week 30			
Week 31			
Week 32			
Week 33			
Week 34			
Week 35			
Week 36			
Week 37			
Week 38			
Week 39			
Week 40			

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 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 and other agencies or private veterinary practices.
- ‘Submitted Vectors’ denoted with (*) indicate that at least one sample was untestable.
- ‘Positive Vectors’ include only samples that have tested positive. Some samples submitted may be deemed untestable and may be treated as positive for follow-up protocol.

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	24	2	2	0	0	28	2	1	0	0	0	3
Wk21	2	0	0	0	0	2	0	0	0	0	0	0
Wk22	1	0	0	0	0	1	0	0	0	0	0	0
Wk23												
Wk24												
Wk25												
Wk26												
Wk27												
Wk28												
Wk29												
Wk30												
Wk31												
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	27	2	2	0	0	31	2	1	0	0	0	3

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	6	0	0	0
Skunk	1	0	0	0
Raccoon	12	0	0	0
Squirrel	0	0	1	0
Cat	3	2	1	0
Flea	0	0	0	0
Dog	5	0	0	0
Fox	0	0	0	0
Prairie Dog	0	0	0	0
Other	0	0	0	0
TOTALS	27	2	2	0

SEASON-TO-DATE DISEASE POSITIVES BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	1	0	0	0
Skunk	1	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
Other	0	0	0	0
TOTALS	2	1	0	0

Testing by Disease

