



Zoonotic Disease Report June 19 – June 25, 2016 (Week 25)

Executive Summary

- No additional cases of West Nile virus (WNV) in humans have been reported in Colorado for 2016. The Centers for Disease Control (CDC) has not updated national data for 2016.
- Seven samples were submitted for WNV testing this week. All results were negative. All samples submitted last week were negative.
- Mosquito trap counts are higher than historic average levels. Total mosquito counts are unusually high due to high localized trap activity.
- One skunk was tested for rabies this week, testing positive. All other specimens tested negative.
- A Fort Collins resident hospitalized for tularemia was released from the hospital this week. The patient was admitted to the hospital two weeks ago.

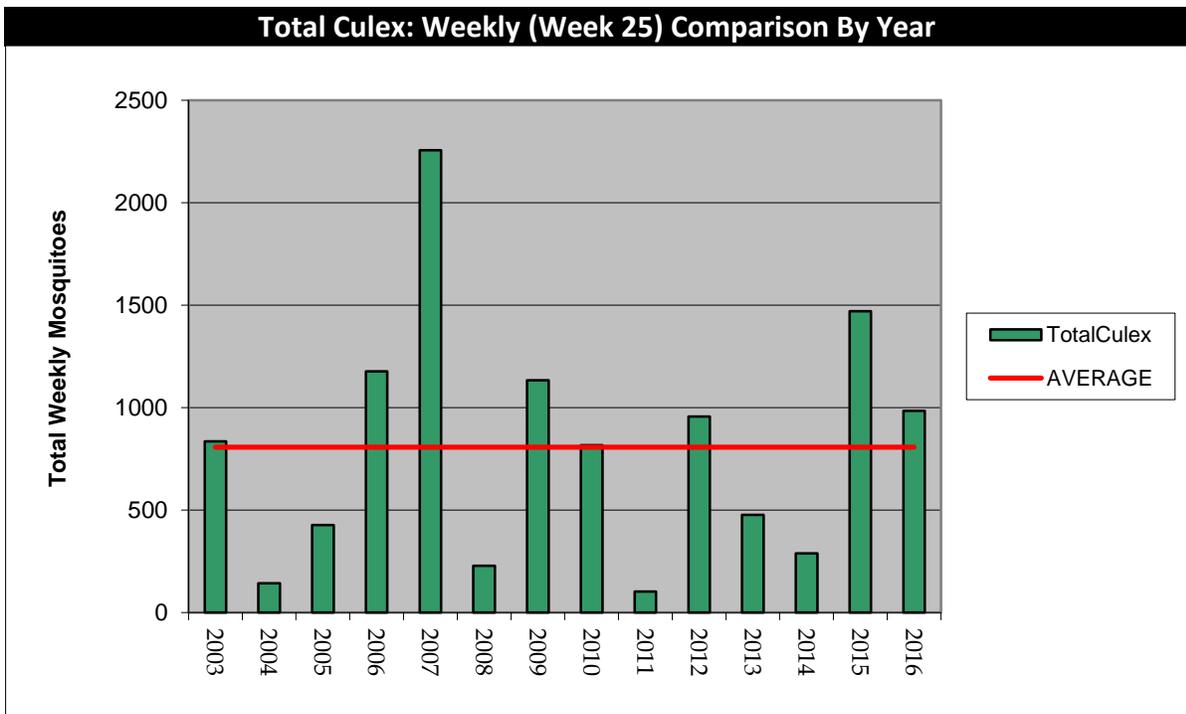
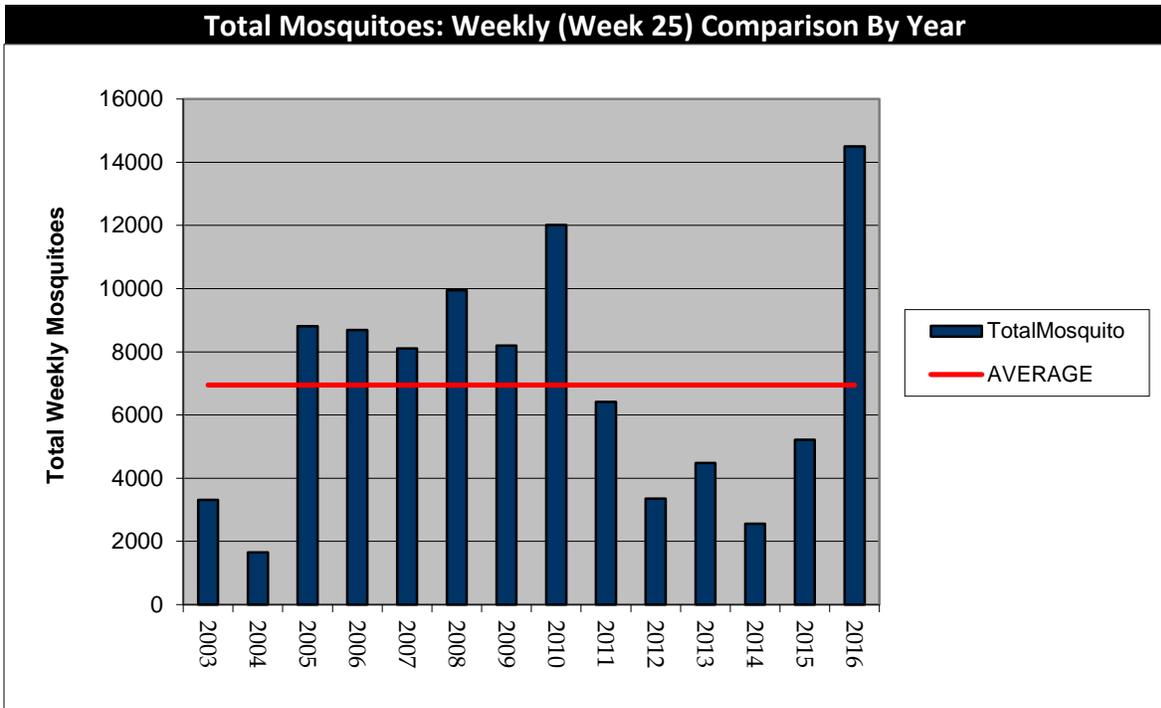
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

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	1	0	0
United States	***	***	***

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

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It 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. A vector index is calculated for [three monitoring zones in Boulder County](#).

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

VECTOR INDEX			
Season Week	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	----	----	----
Week 22	----	----	----
Week 23	----	----	----
Week 24	Pending	Pending	Pending
Week 25	Pending	Pending	Pending
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 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 samples submitted by Boulder County Public Health and may not include samples submitted 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.

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	20	0	0	0	0	20	2	0	0	0	0	2
Wk21	3	0	0	0	0	3	2	0	0	0	0	2
Wk22	1	0	0	0	0	1	0	0	0	0	0	0
Wk23	10	0	1	0	0	11	1	0	0	0	0	1
Wk24	3	0	0	7	0	10	0	0	0	0	0	0
Wk25	1	0	0	6	0	7	1	0	0	0	0	1
Wk26												
Wk27												
Wk28												
Wk29												
Wk30												
Wk31												
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	38	0	1	13	0	52	6	0	0	0	0	6

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	14	0	0	0
Skunk	2	0	0	0
Raccoon	17	0	0	0
Squirrel	0	0	0	0
Cat	2	0	0	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	0	0	0	0
Prairie Dog	0	0	0	0
Other	0	0	1	0
TOTALS	38	0	1	0

SEASON-TO-DATE DISEASE POSITIVES BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	3	0	0	0
Skunk	2	0	0	0
Raccoon	1	0	0	0
Squirrel	0	0	0	0
Cat	0	0	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	6	0	0	0

Testing by Disease

