



Zoonotic Disease Report May 27 – June 02, 2018 (Week 22)

Executive Summary

- Statewide 177 specimens have tested positive for rabies in 2018. This already surpasses total positive specimens for 2017.
- 2018 Colorado rabies positive specimens: Skunk (165), Bat (9), Raccoon (1), Dog (1), Alpaca (1)
- Boulder County has only had one positive specimen to date, a skunk.
- Full larval mosquito control and adult surveillance began this week.
- Testing of mosquitoes for West Nile virus will begin June 12th.
- One bat was tested for rabies this week, results are pending.
- No specimens were submitted for plague, tularemia, or hantavirus testing this week.

Lab-confirmed, rabies positive animals by county, Colorado, Jan. 1 - May 24, 2018

County	Bat	Skunk	Other wildlife	Domestic	Total
Arapahoe	1	1			2
Archuleta		1			1
Boulder		1			1
Broomfield			1 (raccoon)		1
Douglas				1 (alpaca)	1
Denver		66			66
El Paso		49			49
Elbert		3			3
Fremont	1				1
Jefferson		11			11
Larimer		17			17
Las Animas		1			1
La Plata		1			1
Lincoln		2			2
Morgan		1			1
Pueblo	6	1		1 (dog)	8
Weld	1	10			11
Total	9	165	1	2	177

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](#).

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 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.

Submissions and Results by Disease

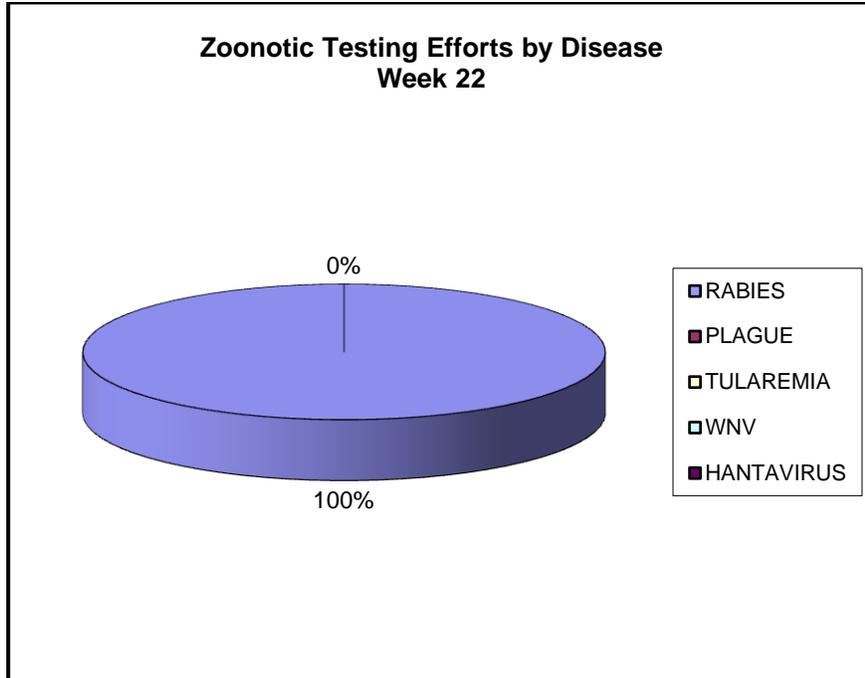
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	0	1	0	0	5	0	0	0	0	0	0
Wk22	1	0	0	0	0	0	0	0	0	0	0	0
Wk23												
Wk24												
Wk25												
Wk26												
Wk27												
Wk28												
Wk29												
Wk30												
Wk31												
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	24	1	1	0	0	26	1	0	0	0	0	1

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	5	0	0	0
Skunk	1	0	0	0
Raccoon	9	0	0	0
Squirrel	0	1	0	0
Cat	4	0	0	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	1	0
Other	1	0	0	0
TOTALS	24	1	1	0

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

Testing by Disease





Zoonotic Disease Report June 03 – June 09, 2018 (Week 23)

Executive Summary

- Statewide 180 specimens have tested positive for rabies in 2018. This surpasses total positive specimens for all of 2017.
- 2018 Colorado rabies positive specimens: Skunk (167), Bat (10), Raccoon (1), Dog (1), Alpaca (1)
- Mosquito traps counts are well above historical averages for this week consisting of large numbers of floodwater nuisance mosquitoes.
- Testing of mosquitoes for WNV will begin next week.
- Two cats and one skunk were submitted for rabies, all testing negative.
- No specimens have been submitted for plague, tularemia, or hantavirus testing.

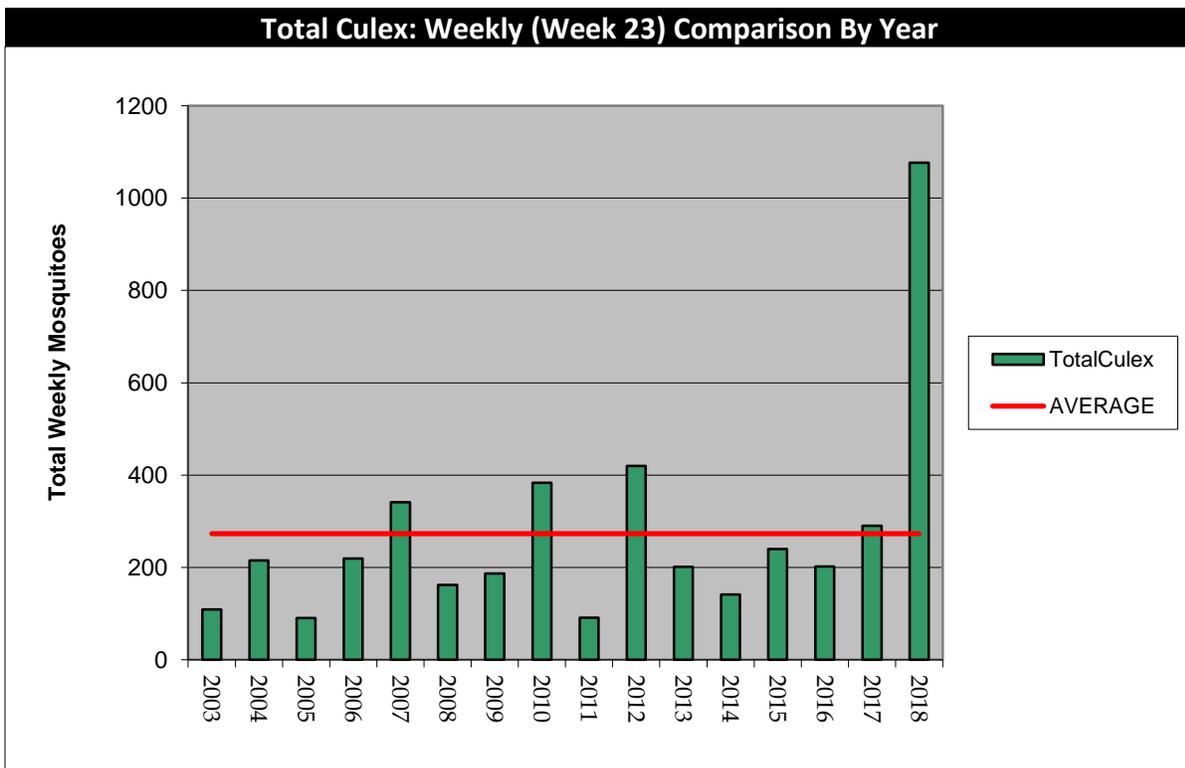
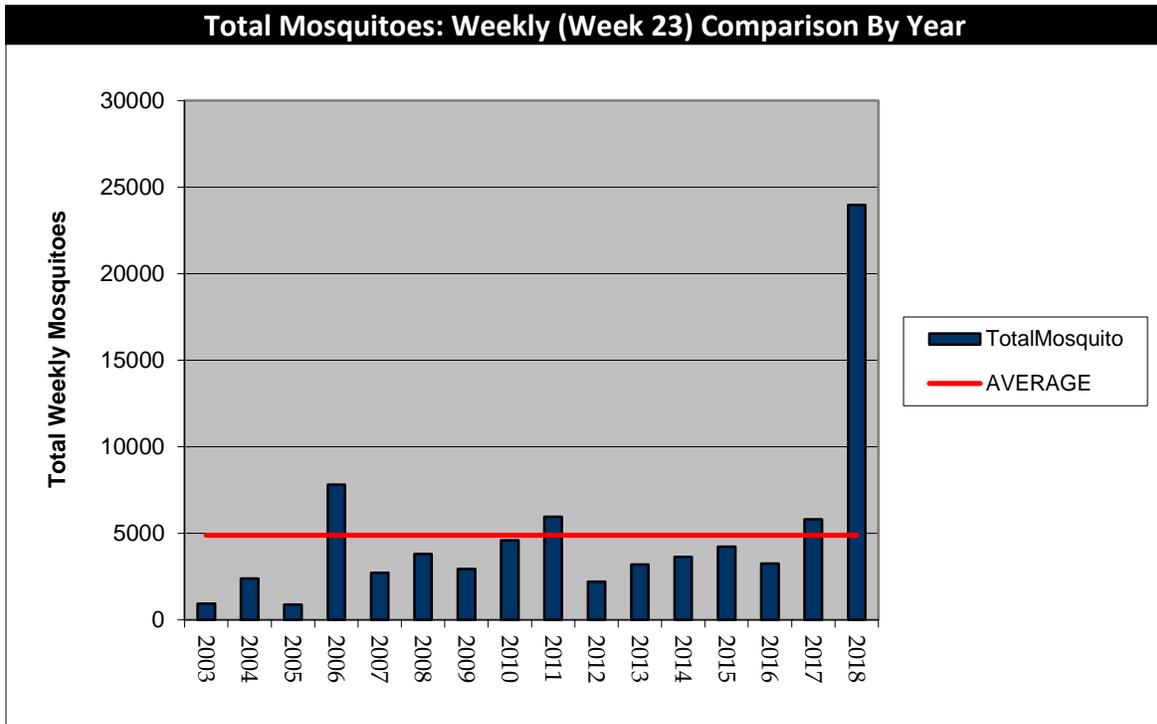
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

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

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 Vector Index	ZONE 2 Vector Index	ZONE 3 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 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, 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

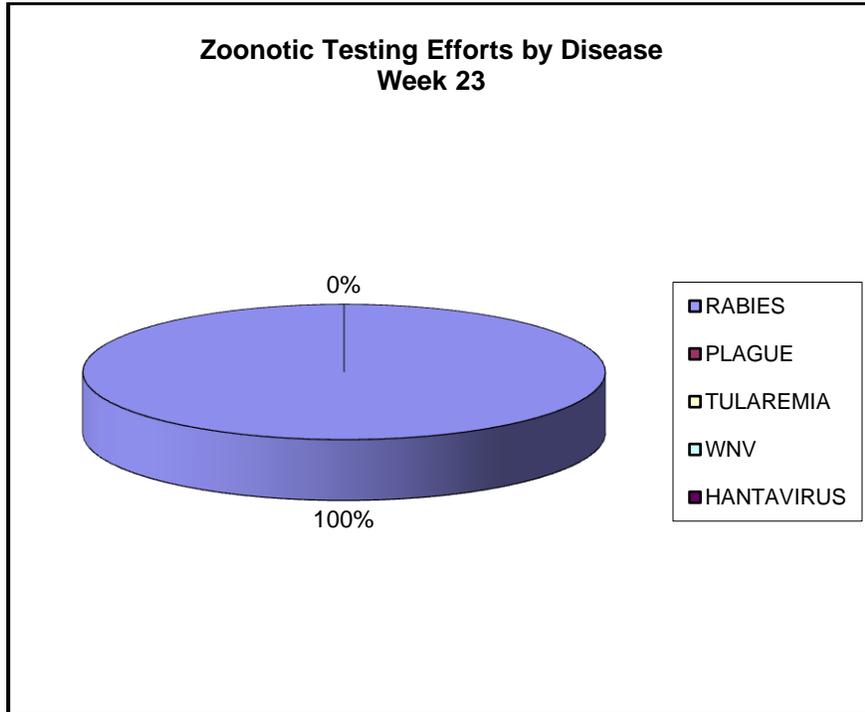
SUBMITTED VECTORS							POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	0	1	0	0	5	0	0	0	0	0	0
Wk22	1	0	0	0	0	1	0	0	0	0	0	0
Wk23	3	0	0	0	0	3	0	0	0	0	0	0
Wk24												
Wk25												
Wk26												
Wk27												
Wk28												
Wk29												
Wk30												
Wk31												
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	28	1	1	0	0	30	1	0	0	0	0	1

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	2	0	0	0
Raccoon	9	0	0	0
Squirrel	0	1	0	0
Cat	6	0	0	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	1	0
Other	1	0	0	0
TOTALS	28	1	1	0

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

Testing by Disease





Zoonotic Disease Report June 10 – June 16, 2018 (Week 24)

Executive Summary

- Statewide 194 specimens have tested positive for rabies in 2018. This surpasses total positive specimens for all of 2017.
- [2018 Colorado rabies positive specimens](#): Skunk (172), Bat (17), Raccoon (1), Cat(1), Dog (1), Alpaca (1)
- Boulder County reports only one rabies positive specimen, a skunk.
- Mosquito traps counts are well above historical averages for this week consisting of large numbers of floodwater nuisance mosquitoes.
- Testing of mosquitoes for WNV began this week. All samples tested negative.
- Two raccoons and one skunk were submitted for rabies testing, all testing negative.
- No specimens were submitted for plague, tularemia, or hantavirus testing.

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

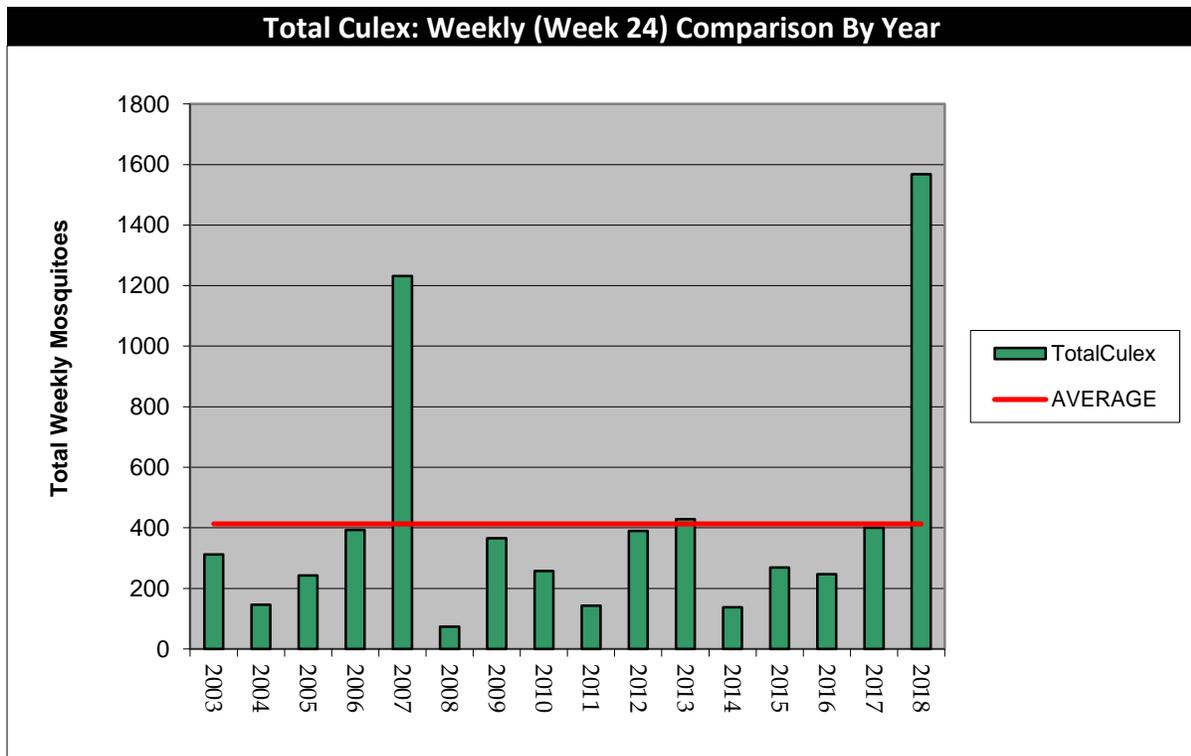
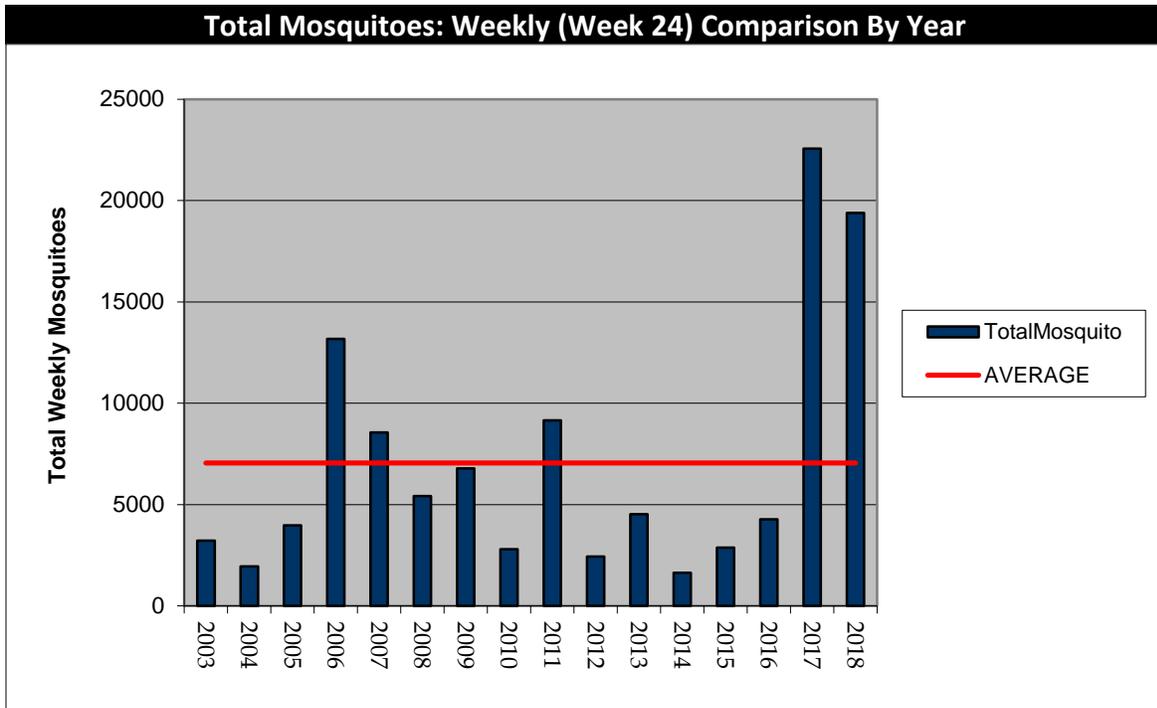
West Nile virus (WNV) Activity

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.

*** No reported 2018 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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	----	----	----
Week 22	----	----	----
Week 23	----	----	----
Week 24	0.00	0.00	0.00
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 state laboratories for zoonotic disease testing.

Caveats

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Submissions and Results by Disease

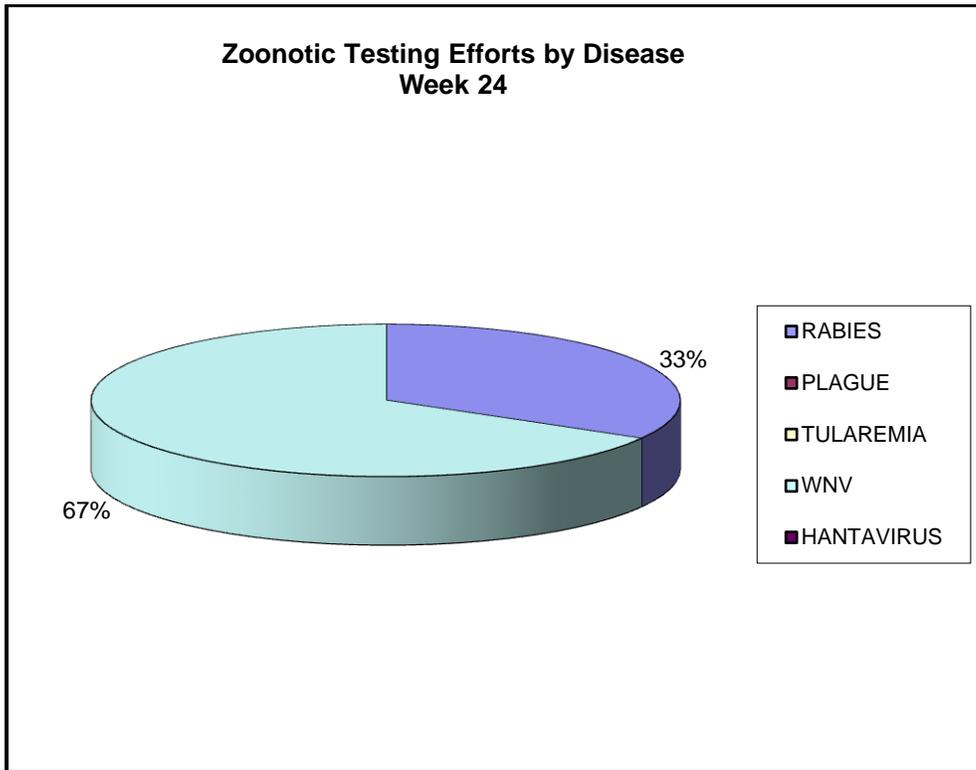
SUBMITTED VECTORS							POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	0	1	0	0	5	0	0	0	0	0	0
Wk22	1	0	0	0	0	1	0	0	0	0	0	0
Wk23	5	0	0	0	0	5	0	0	0	0	0	0
Wk24	3	0	0	6	0	9	0	0	0	0	0	0
Wk25												
Wk26												
Wk27												
Wk28												
Wk29												
Wk30												
Wk31												
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	33	1	1	6	0	41	1	0	0	0	0	1

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	3	0	0	0
Raccoon	12	0	0	0
Squirrel	0	1	0	0
Cat	7	0	0	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	1	0
Other	1	0	0	0
TOTALS	33	1	1	0

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

Testing by Disease





Zoonotic Disease Report June 17 – June 23, 2018 (Week 25)

Executive Summary

- Statewide 198 specimens have tested positive for rabies in 2018. This number of positive animals surpasses the previous season high of 191 in 2013.
- [2018 Colorado rabies positive specimens](#): Skunk (175), Bat (18), Raccoon (1), Cat(1), Dog (1), Alpaca (1)
- Boulder County reports two rabies positive specimens: Skunk (1), Bat (1)
- Mosquito traps counts were much lower this week due to poor trapping weather at the beginning of the week.
- Six mosquito pools were submitted for WNV. Two were negative, four are pending results.
- Four bats and one raccoon were submitted for rabies testing. One bat tested positive and two bats are pending results.
- No specimens were submitted for plague, tularemia, or hantavirus testing.

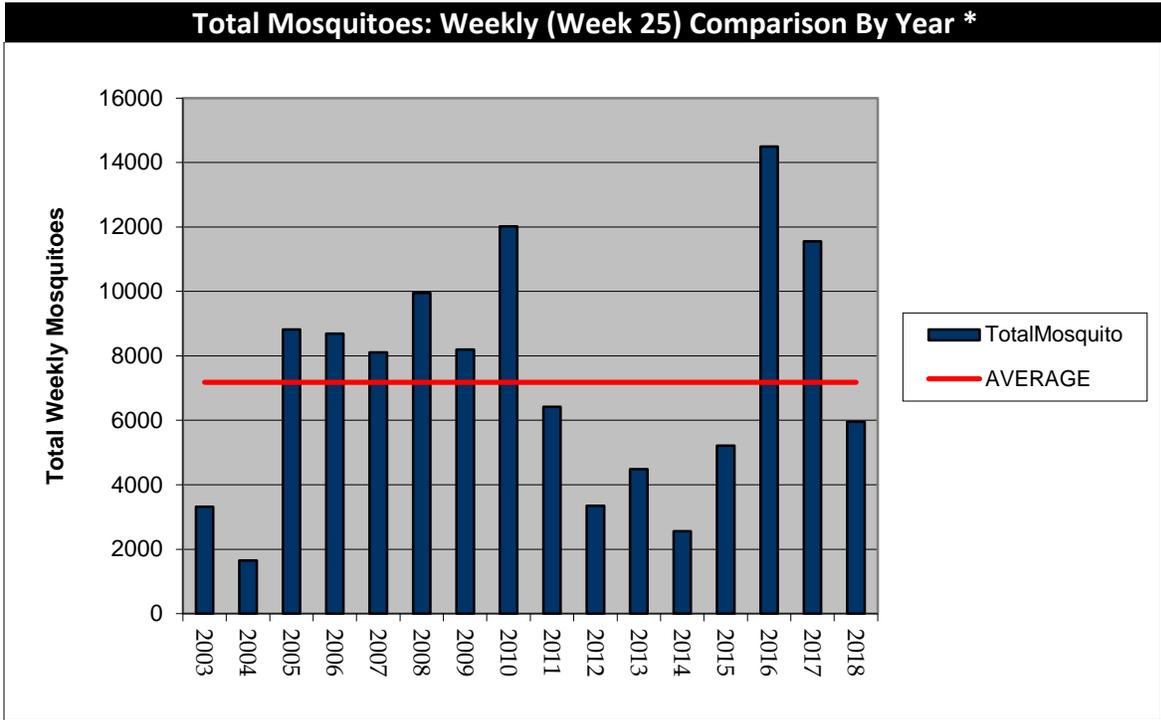
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West Nile virus (WNV) Activity

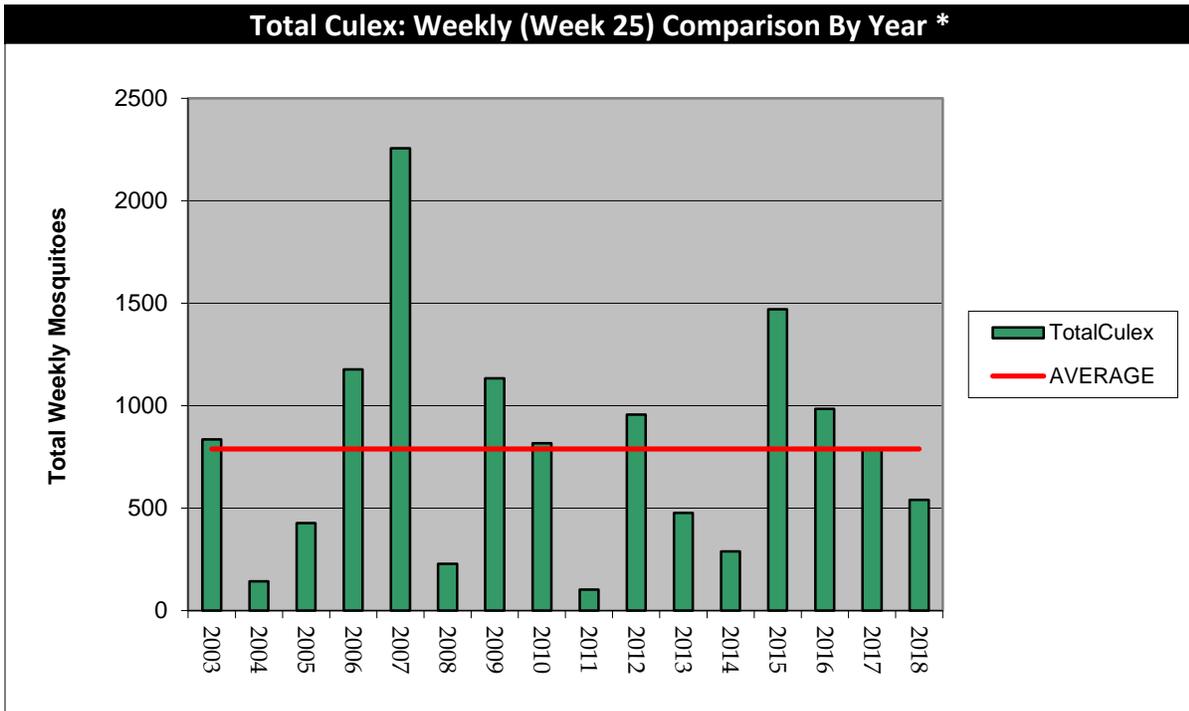
SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY			
Location	Non-Neuroinvasive Disease Cases	Neuroinvasive Disease Cases	Deaths
Boulder County	0	0	0
Colorado	0	0	0
United States	0	0	0

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

Mosquito Activity



*Does not include date from CU



*Does not include data from CU

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	----	----	----
Week 22	----	----	----
Week 23	----	----	----
Week 24	0.00	0.00	0.00
Week 25	0.00	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.
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- ‘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

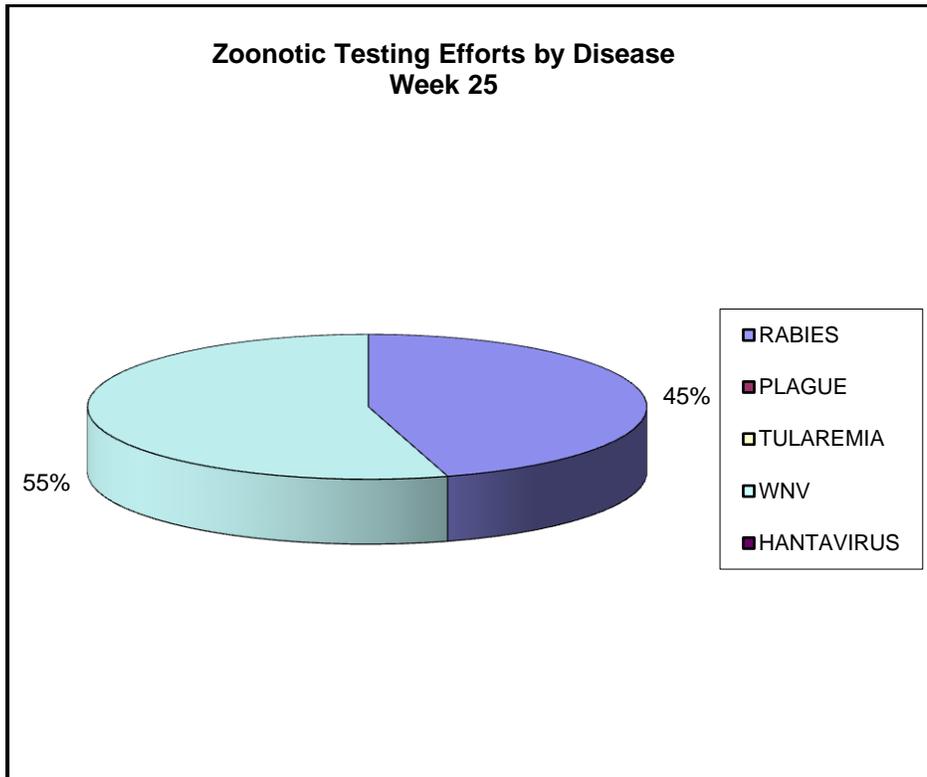
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	0	1	0	0	5	0	0	0	0	0	0
Wk22	1	0	0	0	0	1	0	0	0	0	0	0
Wk23	5	0	0	0	0	5	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	0	0	6	0	11	1	0	0	0	0	1
Wk26												
Wk27												
Wk28												
Wk29												
Wk30												
Wk31												
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	42	1	1	12	0	56	2	0	0	0	0	2

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	12	0	0	0
Skunk	3	0	0	0
Raccoon	15	0	0	0
Squirrel	0	1	0	0
Cat	7	0	0	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	1	0
Other	1	0	0	0
TOTALS	42	1	1	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	0	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	2	0	0	0

Testing by Disease





Zoonotic Disease Report June 24 – June 30, 2018 (Week 26)

Executive Summary

- Statewide 214 specimens have tested positive for rabies in 2018. This number of positive animals surpasses the previous season high of 191 in 2013.
- [2018 Colorado rabies positive specimens](#): Skunk (181), Bat (26), Raccoon (2), Cat (3), Dog (1), Alpaca (1)
- Boulder County reports two rabies positive specimens for the year: Skunk (1), Bat (1)
- Mosquito traps counts were slightly above average for this week, but much improved from two weeks ago.
- Eleven mosquito pools were submitted for WNV. All samples tested negative.
- Four bats and six raccoons were submitted for rabies testing. All specimens tested negative.
- No specimens were submitted for plague, tularemia, or hantavirus testing.

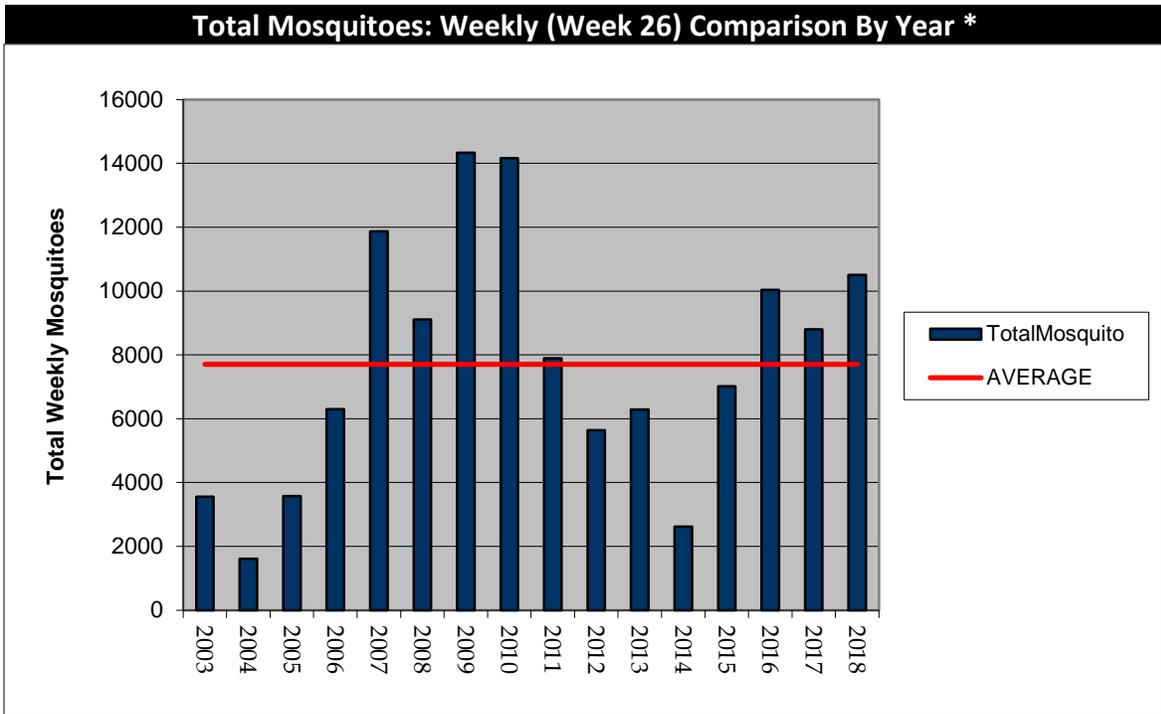
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West Nile virus (WNV) Activity

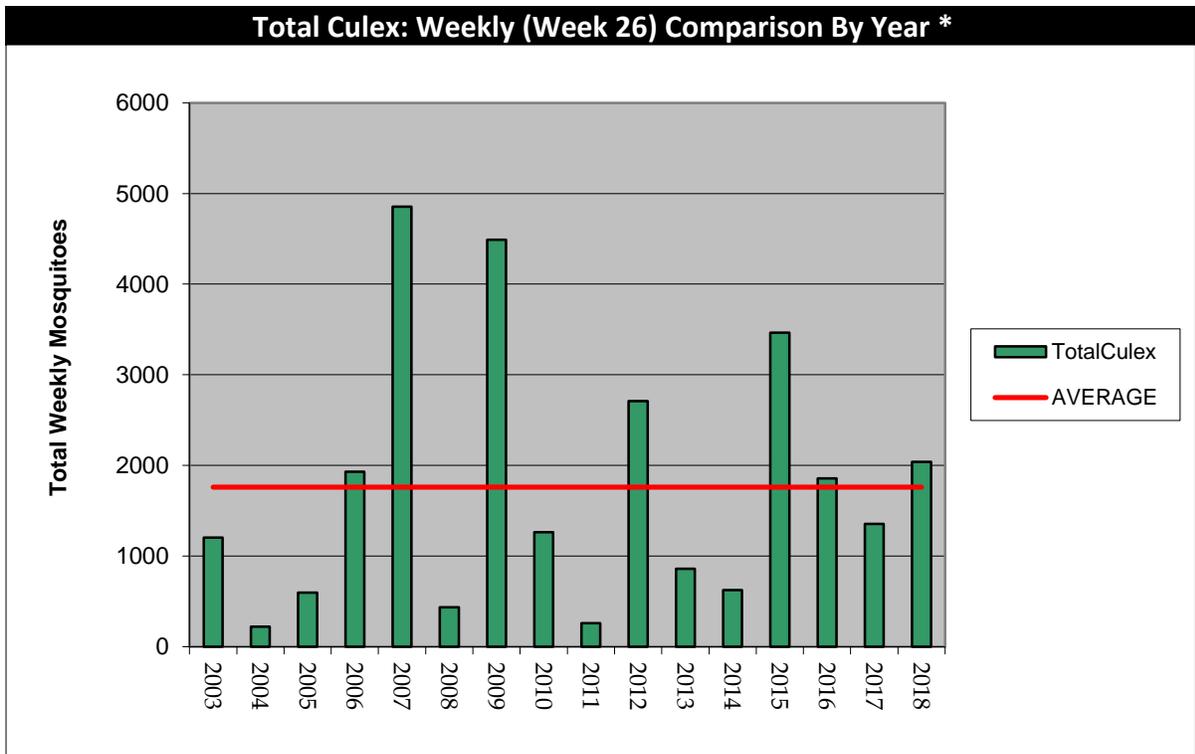
SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY			
Location	Non-Neuroinvasive Disease Cases	Neuroinvasive Disease Cases	Deaths
Boulder County	0	0	0
Colorado	0	0	0
United States	5	5	0

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

Mosquito Activity



*Does not include data from CU



*Does not include data from CU

West Nile virus (WNV) Vector Index

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VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	----	----	----
Week 22	----	----	----
Week 23	----	----	----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
Week 26	0.00	0.00	0.00
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.

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- ‘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

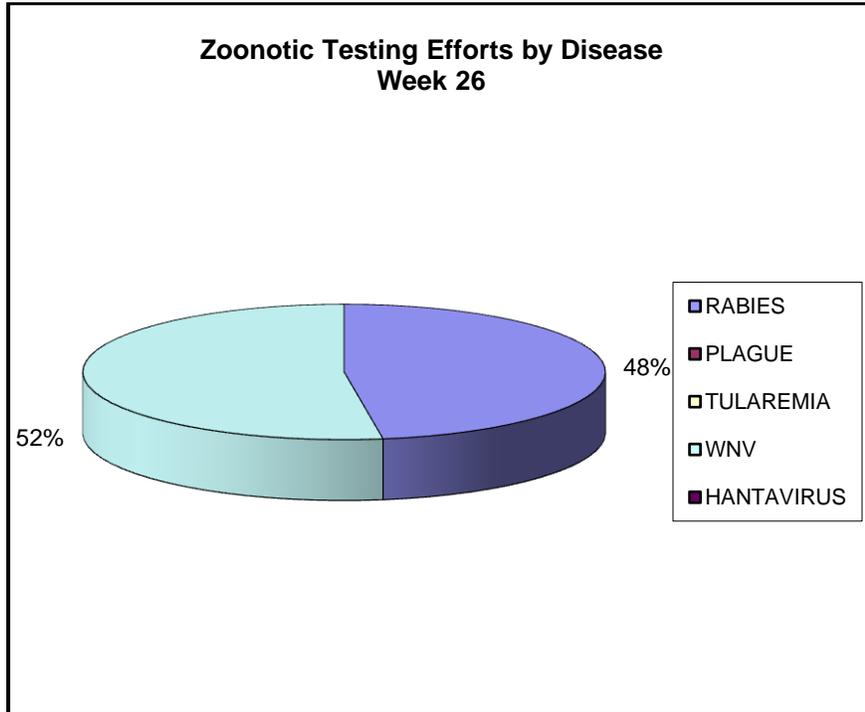
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	0	1	0	0	5	0	0	0	0	0	0
Wk22	1	0	0	0	0	1	0	0	0	0	0	0
Wk23	5	0	0	0	0	5	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	1	1	6	0	13	1	0	0	0	0	1
Wk26	10	0	0	11	0	21	0	0	0	0	0	0
Wk27												
Wk28												
Wk29												
Wk30												
Wk31												
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	52	2	2	23	0	79	2	0	0	0	0	2

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	16	0	0	0
Skunk	3	0	0	0
Raccoon	21	0	0	0
Squirrel	0	1	0	0
Cat	7	1	1	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	1	0
Other	1	0	0	0
TOTALS	52	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	0	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	2	0	0	0

Testing by Disease





Zoonotic Disease Report July 1 – July 7, 2018 (Week 27)

Executive Summary

- Statewide 219 specimens have tested positive for rabies in 2018. This number of positive animals surpasses the previous season high of 191 in 2013.
- [2018 Colorado rabies positive specimens](#): Skunk (183), Bat (29), Raccoon (2), Cat (3), Dog (1), Alpaca (1)
- Boulder County reports two rabies positive specimens for the year: Skunk (1), Bat (1)
- Mosquito traps counts were above average for this week.
- Twenty eight mosquito pools were submitted for WNV. All samples tested negative.
- Two bats were submitted for rabies testing. Both specimens tested negative.
- No specimens were submitted for plague, tularemia, or hantavirus testing.

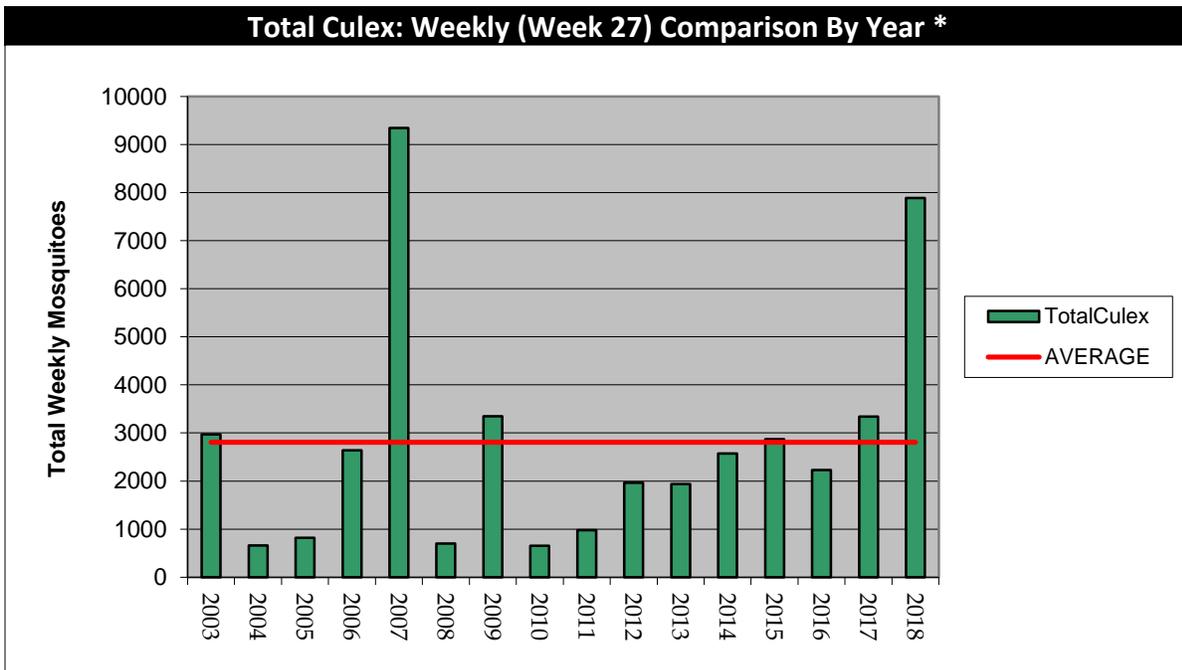
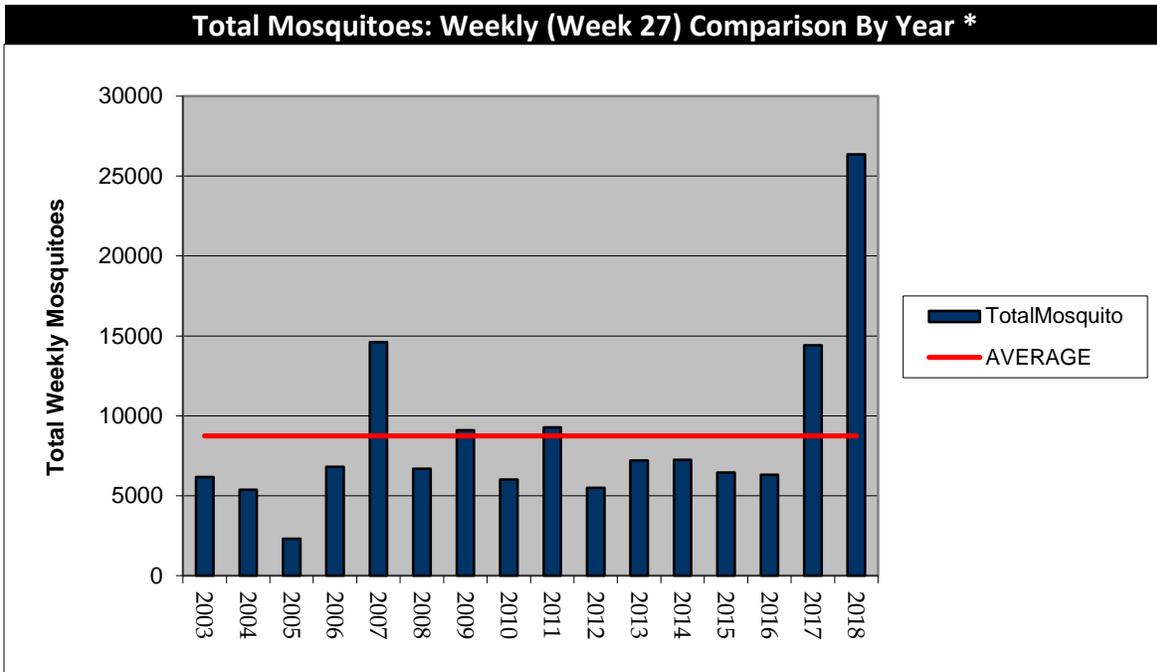
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

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	5	5	0

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

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	-----	-----	-----
Week 22	-----	-----	-----
Week 23	-----	-----	-----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
Week 26	0.00	0.00	0.00
Week 27	0.00	0.00	0.00
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 all samples submitted by Boulder County Public Health, 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

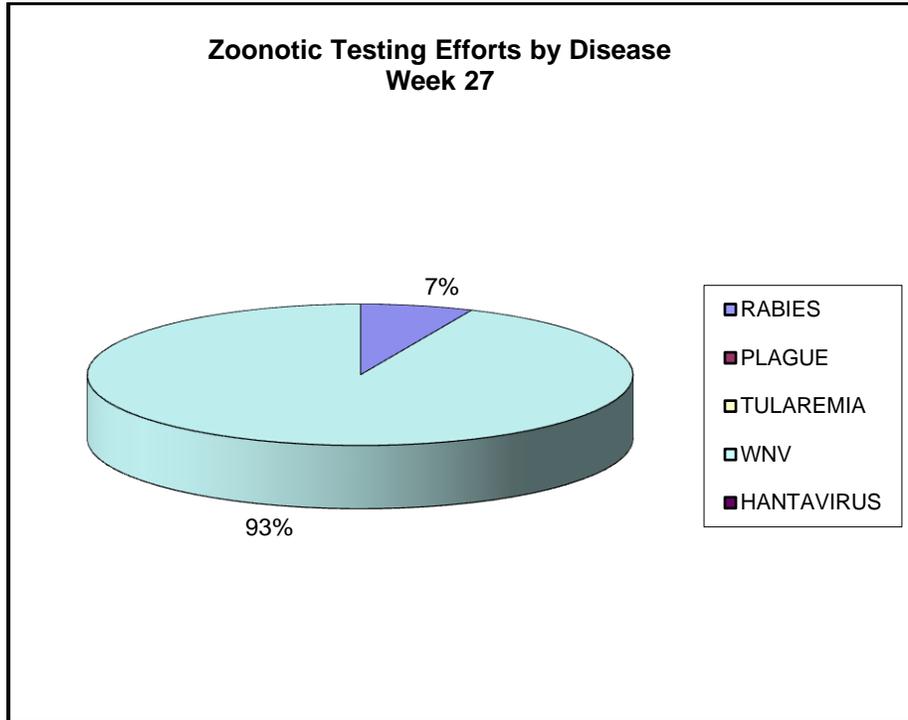
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	0	1	0	0	5	0	0	0	0	0	0
Wk22	1	0	0	0	0	1	0	0	0	0	0	0
Wk23	5	0	0	0	0	5	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	1	1	6	0	13	1	0	0	0	0	1
Wk26	11	0	0	11	0	21	0	0	0	0	0	0
Wk27	2	0	0	28	0	30	0	0	0	0	0	0
Wk28												
Wk29												
Wk30												
Wk31												
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	55	2	2	51	0	110	2	0	0	0	0	2

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	18	0	0	0
Skunk	3	0	0	0
Raccoon	21	0	0	0
Squirrel	0	1	0	0
Cat	7	1	1	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	1	0
Other	2	0	0	0
TOTALS	55	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	0	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	2	0	0	0

Testing by Disease





Zoonotic Disease Report July 8 – July 14, 2018 (Week 28)

Executive Summary

- Weld County reports the first positive West Nile virus pools in the state.
- Twenty six mosquito pools were submitted for WNV. Results are pending
- Statewide 231 specimens have tested positive for rabies in 2018. This number of positive animals surpasses the previous season high of 191 in 2013.
- [2018 Colorado rabies positive specimens](#): Skunk (185), Bat (37), Raccoon (2), Cat (4), Dog (2), Alpaca (1)
- Boulder County reports two rabies positive specimens for the year: Skunk (1), Bat (1)
- Mosquito traps counts were above average for this week.
- Five bats and one skunk were submitted for rabies testing. The skunk tested negative. One bat was untestable, three bats were negative and results are pending on one specimen.
- No specimens were submitted for plague, tularemia, or hantavirus testing.

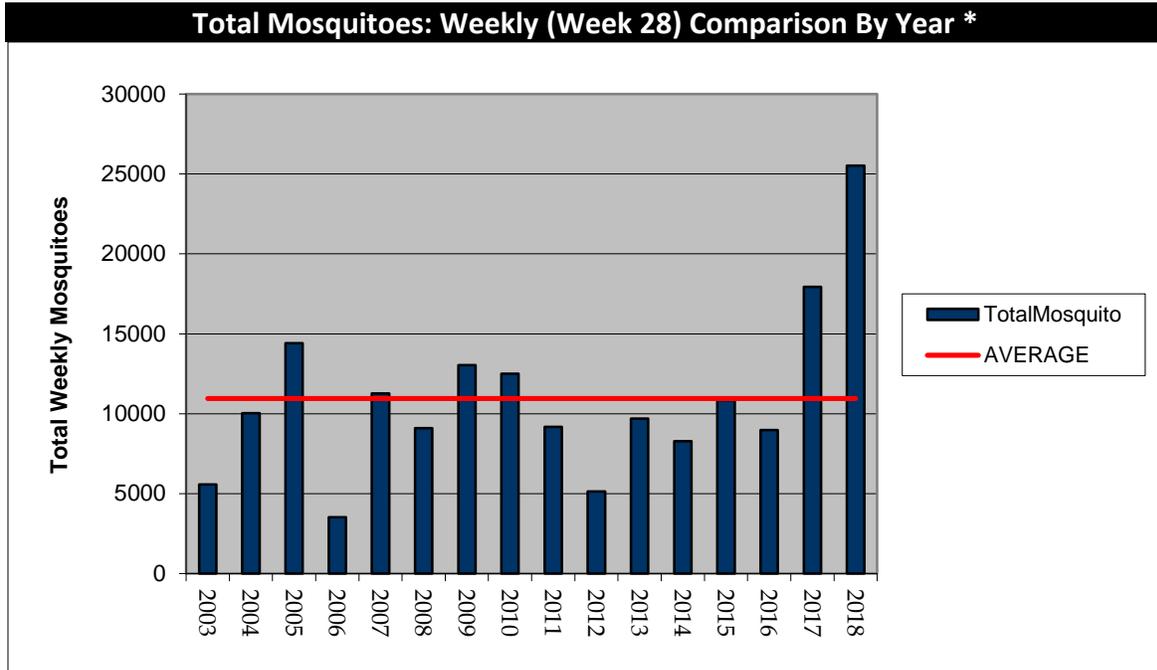
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

West Nile virus (WNV) Activity

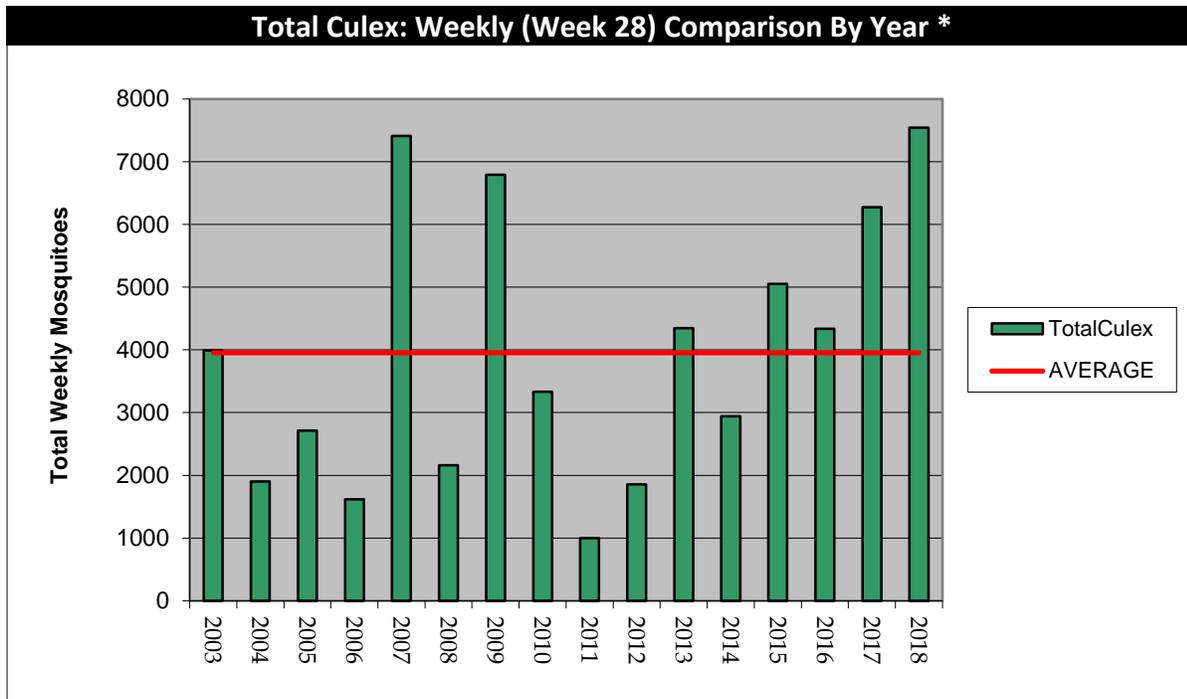
SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY			
Location	Non-Neuroinvasive Disease Cases	Neuroinvasive Disease Cases	Deaths
Boulder County	0	0	0
Colorado	0	0	0
United States	7	7	0

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

Mosquito Activity



*Does not include data from CU



*Does not include data from CU

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	-----	-----	-----
Week 22	-----	-----	-----
Week 23	-----	-----	-----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
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			
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 all samples submitted by Boulder County Public Health, 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

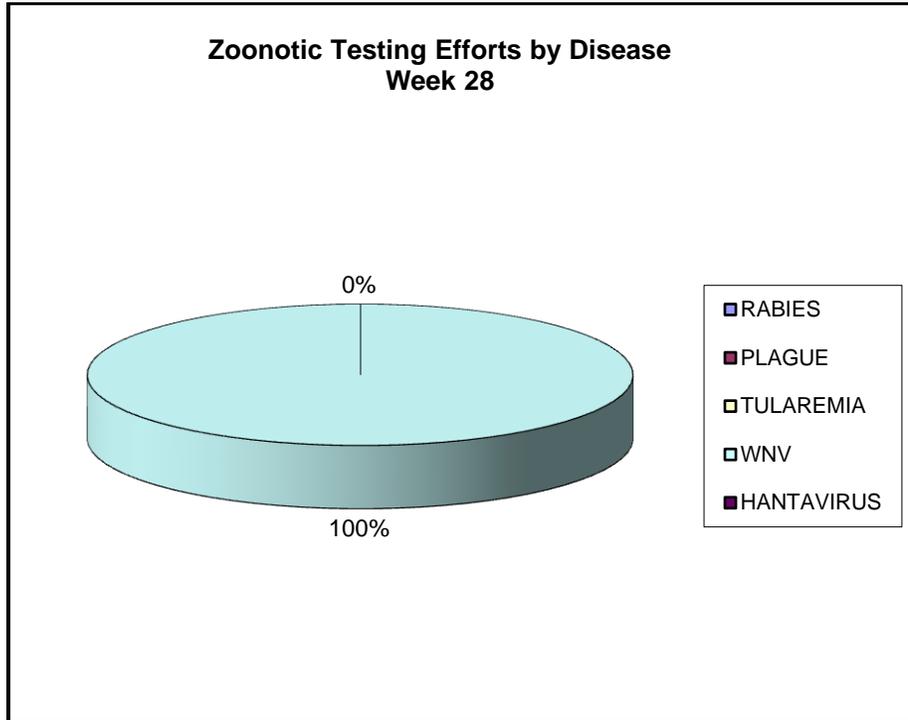
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	0	1	0	0	5	0	0	0	0	0	0
Wk22	1	0	0	0	0	1	0	0	0	0	0	0
Wk23	5	0	0	0	0	5	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	1	1	6	0	13	1	0	0	0	0	1
Wk26	11	0	0	11	0	21	0	0	0	0	0	0
Wk27	2	0	0	28	0	30	0	0	0	0	0	0
Wk28	5	0	0	26	0	31	0	0	0	0	0	0
Wk29												
Wk30												
Wk31												
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	60	2	2	77	0	141	2	0	0	0	0	2

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	22	0	0	0
Skunk	4	0	0	0
Raccoon	21	0	0	0
Squirrel	0	1	0	0
Cat	7	1	1	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	1	0
Other	2	0	0	0
TOTALS	60	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	0	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	2	0	0	0

Testing by Disease





Zoonotic Disease Report July 15 – July 21, 2018 (Week 29)

Executive Summary

- Three mosquito pools tested positive for West Nile Virus in the state last week: 1 in Weld County and 2 in Larimer County. There were no positive pools reported this week.
- Seventeen mosquito pools were submitted for WNV. All samples tested negative.
- Statewide 236 specimens have tested positive for rabies in 2018. This number of positive animals surpasses the previous season high of 191 in 2013.
- [2018 Colorado rabies positive specimens](#): Skunk (188), Bat (39), Raccoon (2), Cat (4), Dog (2), Alpaca (1)
- Boulder County reports two rabies positive specimens for the year: Skunk (1), Bat (1)
- Mosquito trap counts were much lower this week due to poor trapping weather at the beginning of the week.
- One bat was submitted for rabies, testing negative.
- No specimens were submitted for plague, tularemia, or hantavirus testing.

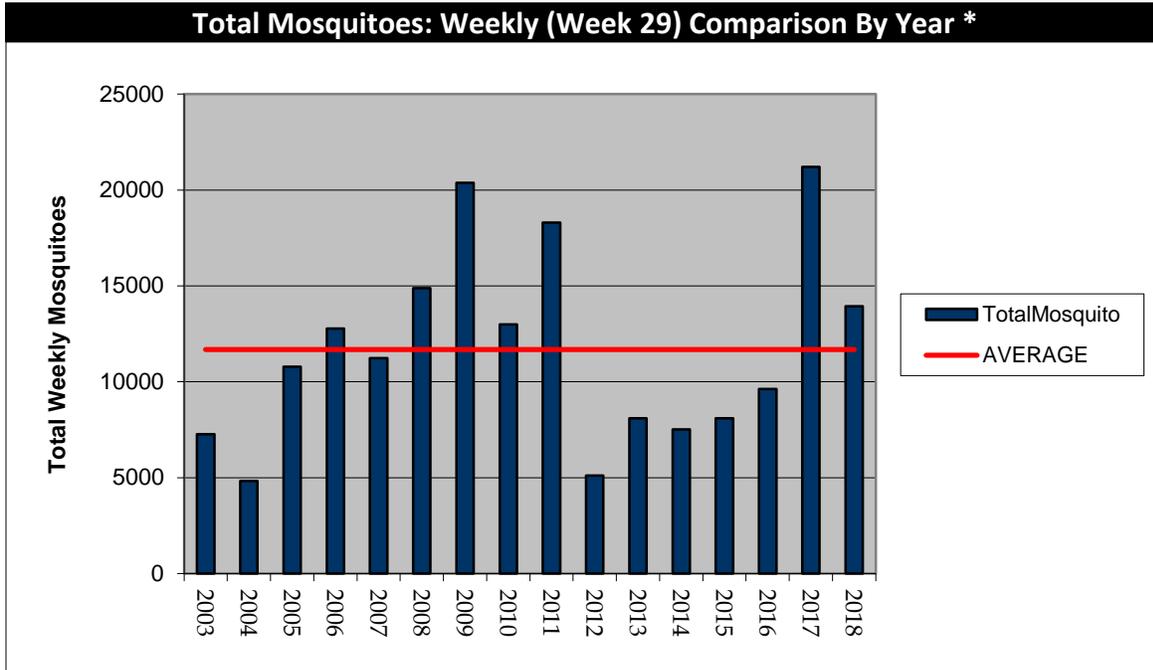
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

West Nile virus (WNV) Activity

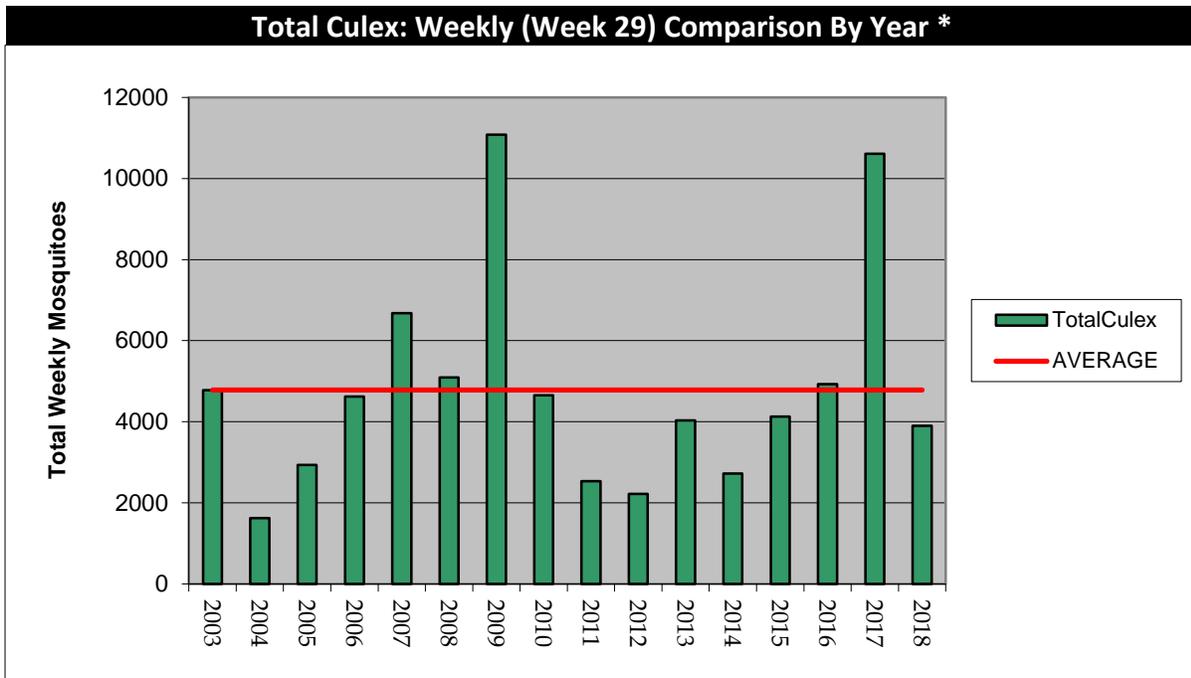
SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY			
Location	Non-Neuroinvasive Disease Cases	Neuroinvasive Disease Cases	Deaths
Boulder County	0	0	0
Colorado	0	0	0
United States	7	7	0

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

Mosquito Activity



*Does not include data from CU



*Does not include data from CU

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	----	----	----
Week 22	----	----	----
Week 23	----	----	----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
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	0.00	0.00	0.00
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 all samples submitted by Boulder County Public Health, 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

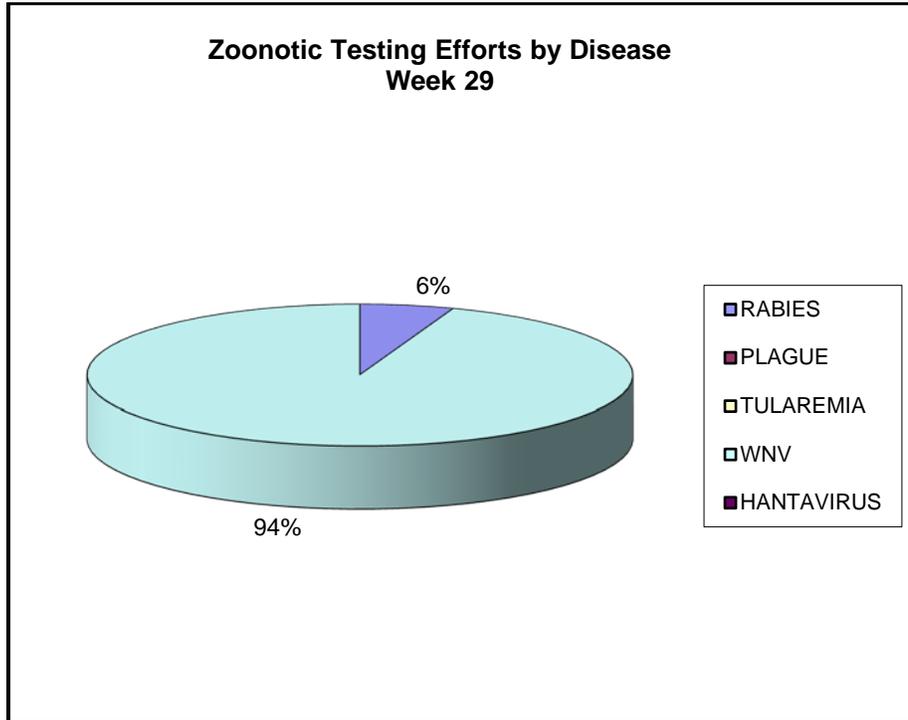
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	0	1	0	0	5	0	0	0	0	0	0
Wk22	1	0	0	0	0	1	0	0	0	0	0	0
Wk23	5	0	0	0	0	5	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	1	1	6	0	13	1	0	0	0	0	1
Wk26	11	0	0	11	0	21	0	0	0	0	0	0
Wk27	2	0	0	28	0	30	0	0	0	0	0	0
Wk28	5	0	0	26	0	31	0	0	0	0	0	0
Wk29	1	0	0	17	0	18	0	0	0	0	0	0
Wk30												
Wk31												
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	61	2	2	94	0	159	2	0	0	0	0	2

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	4	0	0	0
Raccoon	21	0	0	0
Squirrel	0	1	0	0
Cat	7	1	1	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	1	0
Other	2	0	0	0
TOTALS	61	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	0	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	2	0	0	0

Testing by Disease





Zoonotic Disease Report July 22 – July 28, 2018 (Week 30)

Executive Summary

- Boulder County reports its first 2 positive WNV pools for the season.
- Twenty two pools were submitted for WNV. Two pools tested positive.
- Statewide 8 mosquito pools have tested positive for WNV.
- Mosquito trap counts were slightly above average this week.
- Statewide 257 specimens have tested positive for rabies in 2018. This number of positive animals surpasses the previous season high of 191 in 2013.
- [2018 Colorado rabies positive specimens](#): Skunk (192), Bat (54), Raccoon (2), Cat (6), Dog (2), Alpaca (1)
- Boulder County reports three rabies positive specimens for the year: Skunk (1), Bat (2)
- Two bats were submitted for rabies this week, one testing negative and one testing positive.
- No specimens were submitted for plague, tularemia, or hantavirus testing.

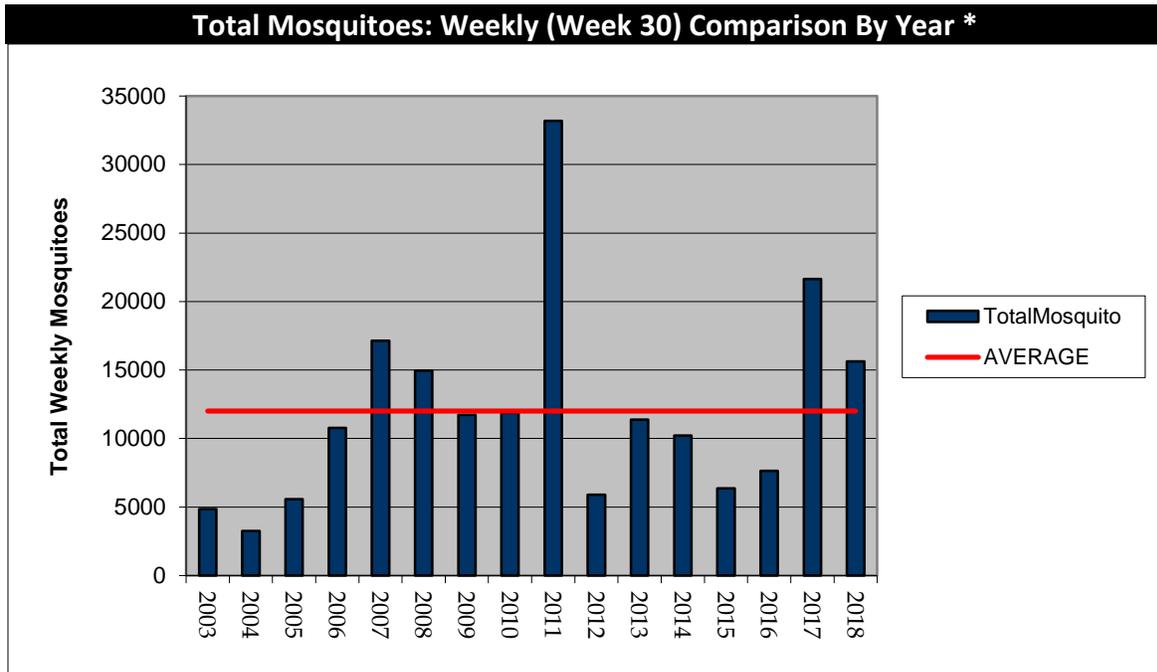
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

West Nile virus (WNV) Activity

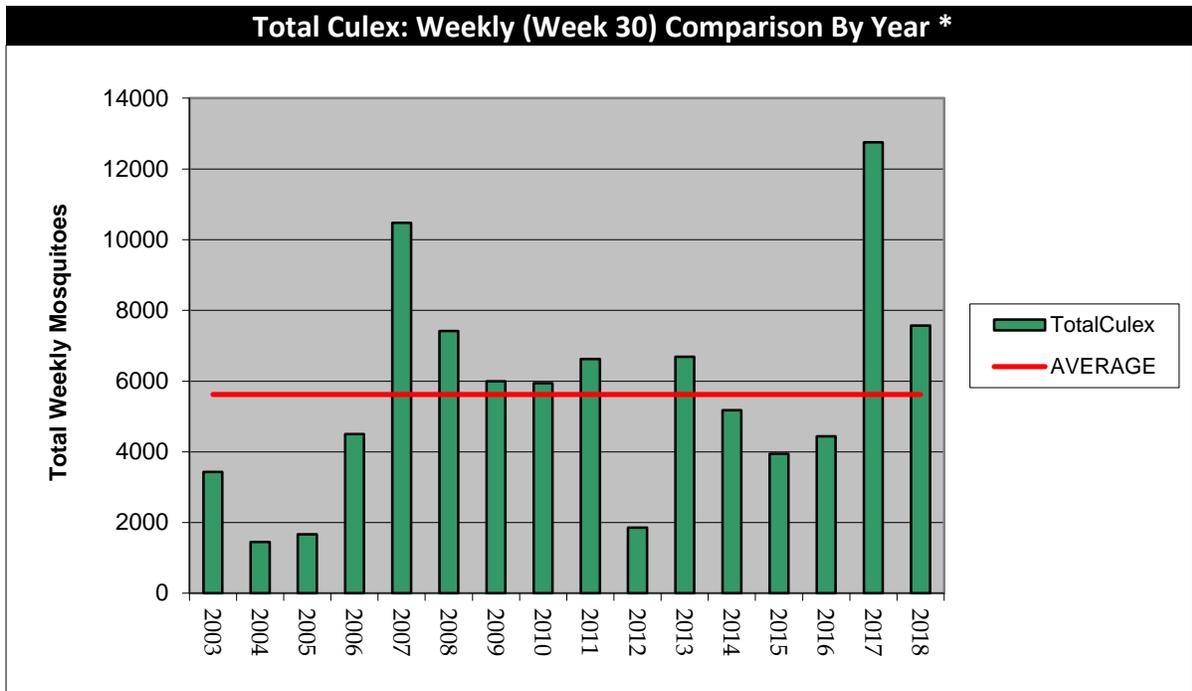
SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY			
Location	Non-Neuroinvasive Disease Cases	Neuroinvasive Disease Cases	Deaths
Boulder County	0	0	0
Colorado	0	0	0
United States	16	23	1

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

Mosquito Activity



*Does not include data from CU



*Does not include data from CU

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	----	----	----
Week 22	----	----	----
Week 23	----	----	----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
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	0.00	0.00	0.00
Week 30	0.00	0.11	0.13
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

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- ‘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

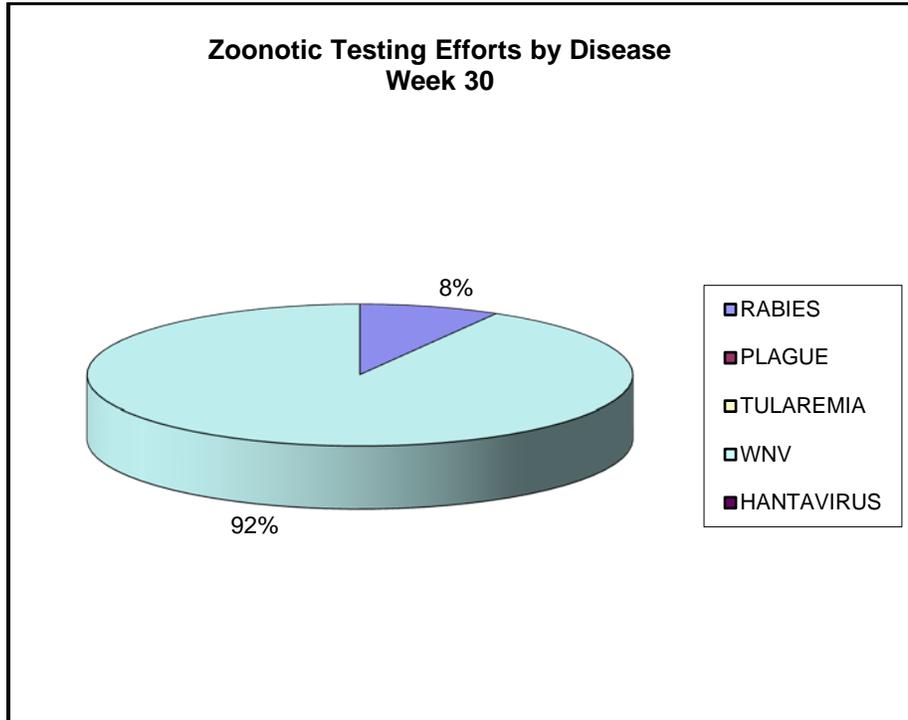
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	0	1	0	0	5	0	0	0	0	0	0
Wk22	1	0	0	0	0	1	0	0	0	0	0	0
Wk23	5	0	0	0	0	5	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	1	1	6	0	13	1	0	0	0	0	1
Wk26	11	0	0	11	0	21	0	0	0	0	0	0
Wk27	2	0	0	28	0	30	0	0	0	0	0	0
Wk28	5	0	0	26	0	31	0	0	0	0	0	0
Wk29	1	0	0	17	0	18	0	0	0	0	0	0
Wk30	2	0	0	22	0	24	1	0	0	2	0	3
Wk31												
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	66	2	2	116	0	186	3	0	0	2	0	5

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	26	0	0	0
Skunk	4	0	0	0
Raccoon	22	0	0	0
Squirrel	0	1	0	0
Cat	8	1	1	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	1	0
Other	2	0	0	0
TOTALS	66	2	2	0

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

Testing by Disease





Zoonotic Disease Report July 29 – August 04, 2018 (Week 31)

Executive Summary

- Eighteen mosquito pools were submitted for WNV. Two pools tested positive.
- Statewide 30 mosquito pools have tested positive for WNV: Larimer (15), Weld (10); Boulder (4), Adams (1). No human cases have been reported to date.
- Total mosquito counts are average with *Culex* counts slightly above average this week.
- Four bats, one cat, and one raccoon were submitted for rabies testing this week. One bat was unable to be tested, the remaining specimens tested negative.
- [2018 Colorado rabies positive specimens](#): Skunk (198), Bat (58), Raccoon (2), Cat (6), Dog (2), Alpaca (1).
- Boulder County reports three rabies positive specimens for the year: Bat (2), Skunk (1).
- No specimens were submitted for plague, tularemia, or hantavirus testing.

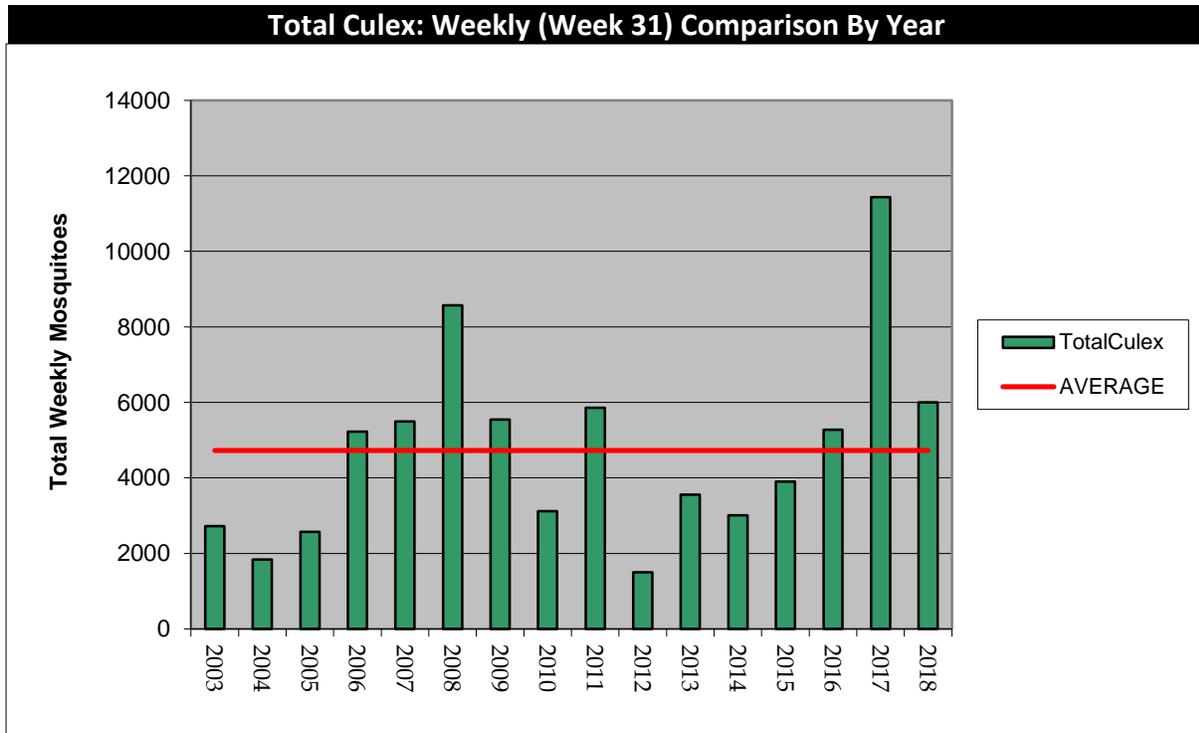
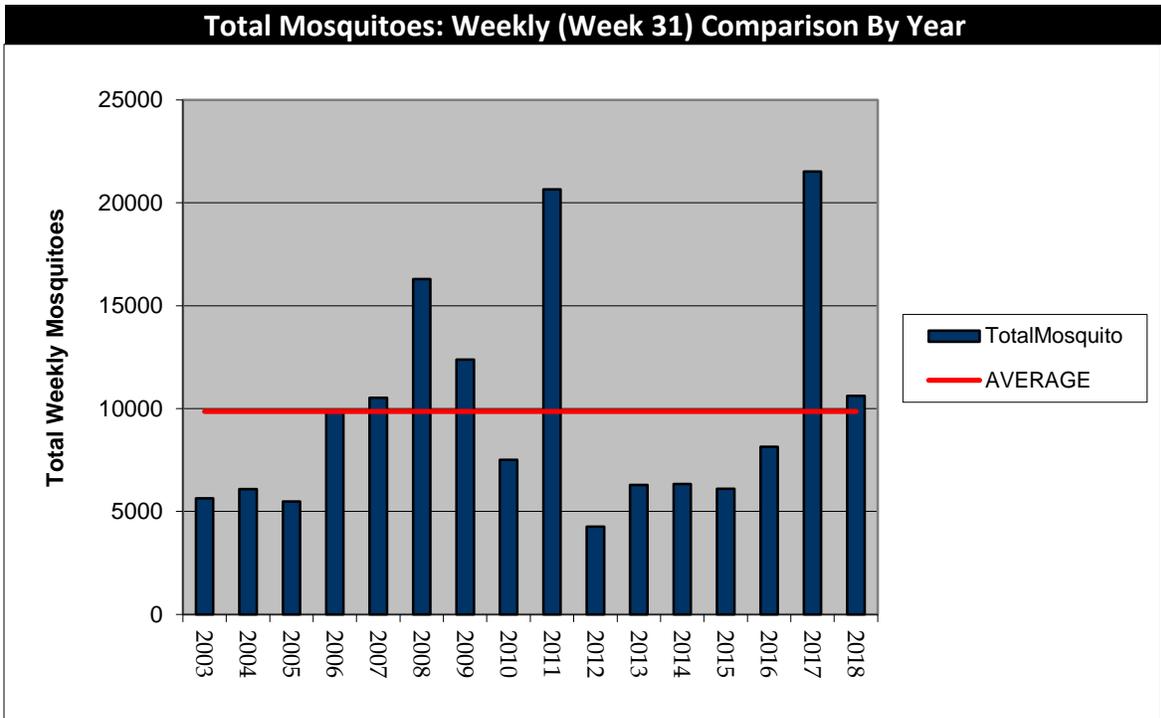
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

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	16	23	1

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

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	-----	-----	-----
Week 22	-----	-----	-----
Week 23	-----	-----	-----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
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	0.00	0.00	0.00
Week 30	0.00	0.11	0.13
Week 31	0.00	0.00	0.48
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 all samples submitted by Boulder County Public Health, 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

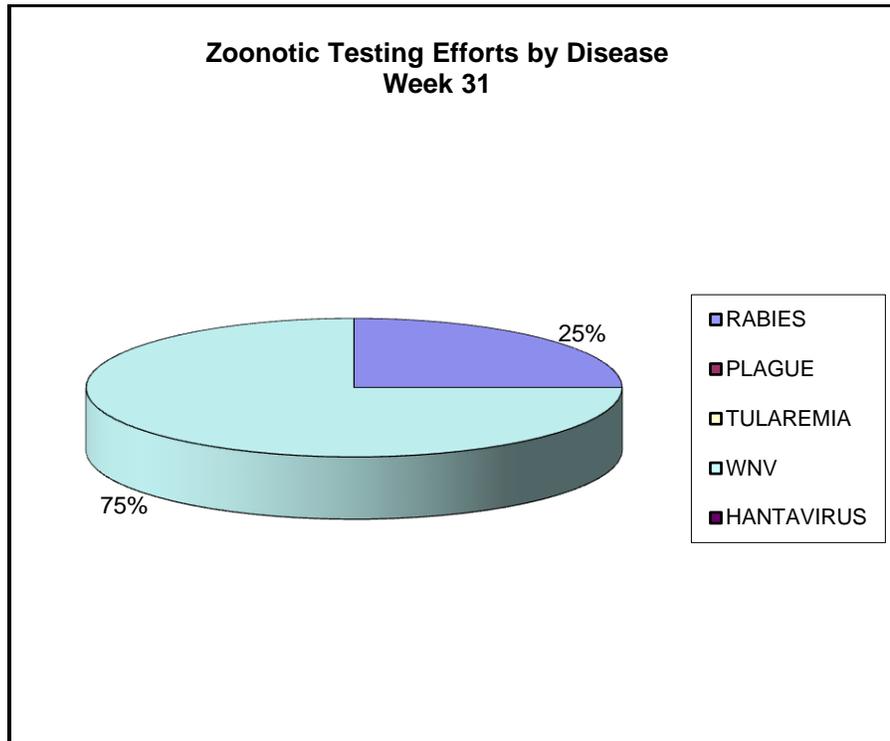
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	1	1	0	0	6	0	0	0	0	0	0
Wk22	2	0	0	0	0	2	0	0	0	0	0	0
Wk23	3	0	0	0	0	3	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	1	1	6	0	13	1	0	0	0	0	1
Wk26	9	0	0	11	0	20	0	0	0	0	0	0
Wk27	2	0	0	28	0	30	0	0	0	0	0	0
Wk28	6	0	0	26	0	32	0	0	0	0	0	0
Wk29	4	0	0	17	0	21	0	0	0	0	0	0
Wk30	6	0	0	22	0	28	1	0	0	2	0	3
Wk31	6*	0	0	18	0	24	0	0	0	2	0	2
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	74	3	2	134	0	213	3	0	0	4	0	7

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	31	0	0	0
Skunk	4	0	0	0
Raccoon	24	0	0	0
Squirrel	0	1	0	0
Cat	9	1	1	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	1	1	0
Other	2	0	0	0
TOTALS	74	3	2	0

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

Testing by Disease





Zoonotic Disease Report August 05 – August 11, 2018 (Week 32)

Executive Summary

- Three human West Nile virus cases are reported in Colorado: Delta (1), Larimer (1), Weld (1). No human cases are reported from Boulder County to date.
- Seventeen mosquito pools were submitted for WNV testing. Four pools tested positive. Risk of infection continues throughout the county.
- Statewide 53 mosquito pools have tested positive for WNV: Larimer (34), Weld (10); Boulder (8), Adams (1).
- Mosquito counts are above average for this week.
- Four bats, one skunk, and one raccoon were submitted for rabies testing this week. The four bats tested negative and results are pending for the skunk and raccoon.
- [2018 Colorado rabies positive specimens](#): Skunk (199), Bat (61), Raccoon (2), Cat (6), Dog (2), Alpaca (1).
- Boulder County reports three rabies positive specimens for the year: Bat (2), Skunk (1).
- No specimens were submitted for plague, tularemia, or hantavirus testing.

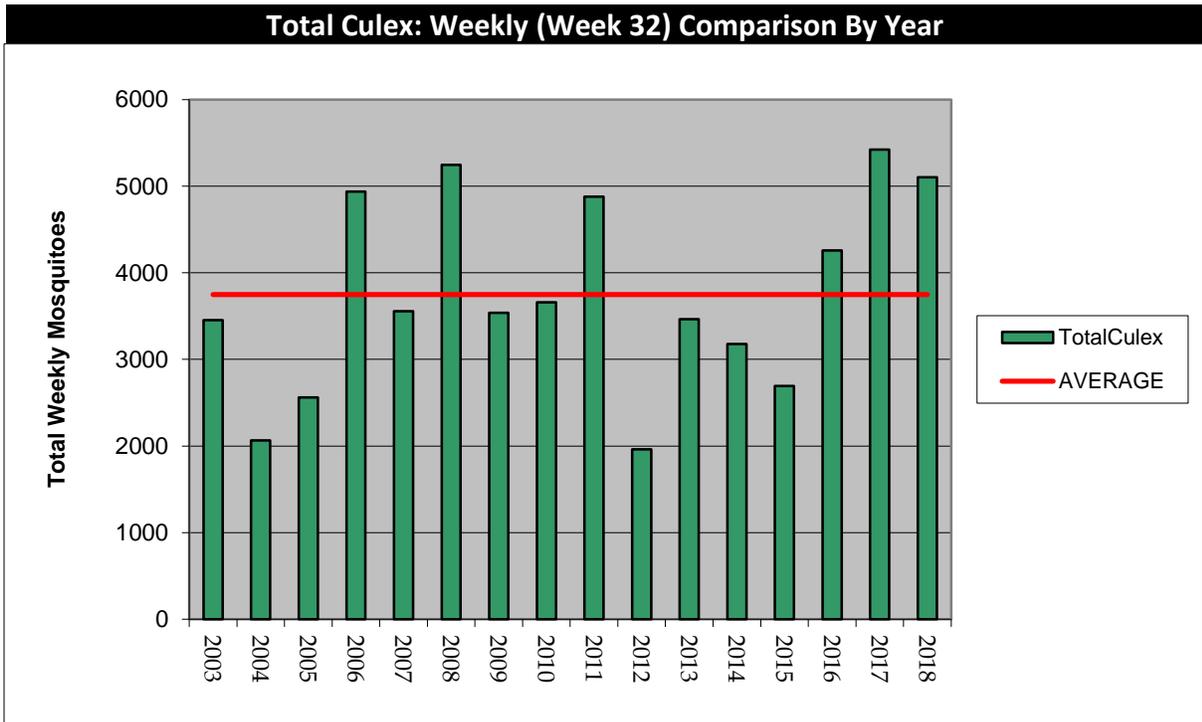
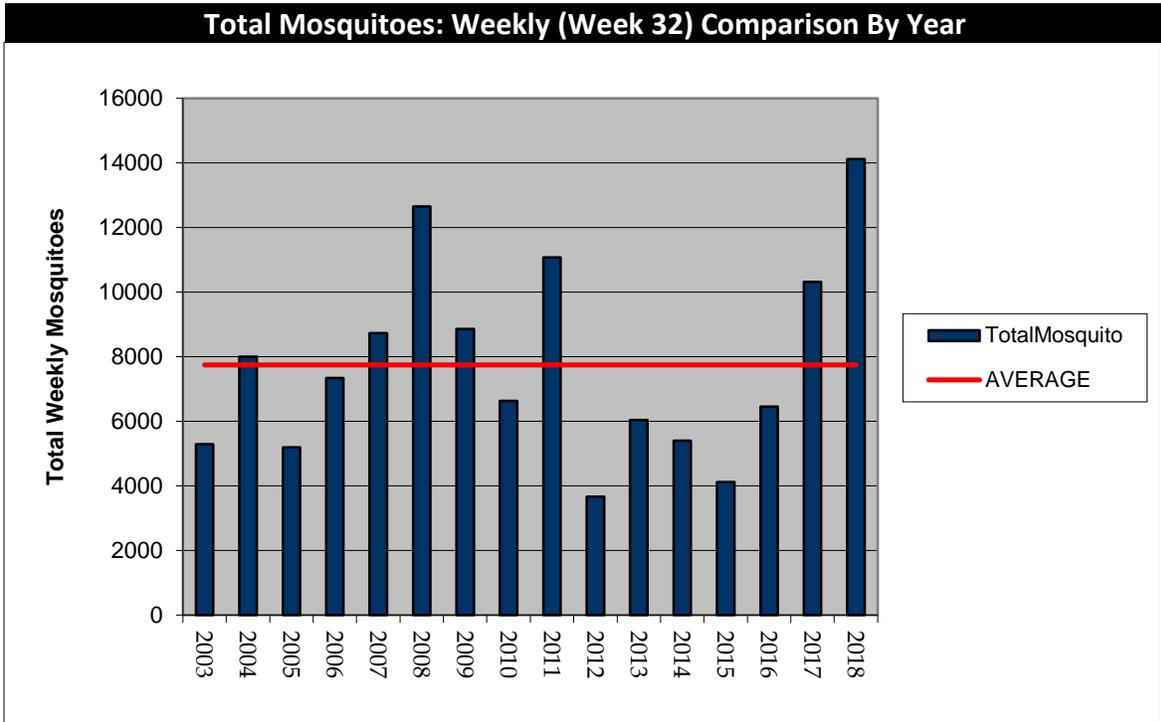
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

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	2	1	0
United States	44	62	4

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

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	----	----	----
Week 22	----	----	----
Week 23	----	----	----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
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	0.00	0.00	0.00
Week 30	0.00	0.11	0.13
Week 31	0.00	0.00	0.48
Week 32	0.00	0.38	0.44
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 all samples submitted by Boulder County Public Health, 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

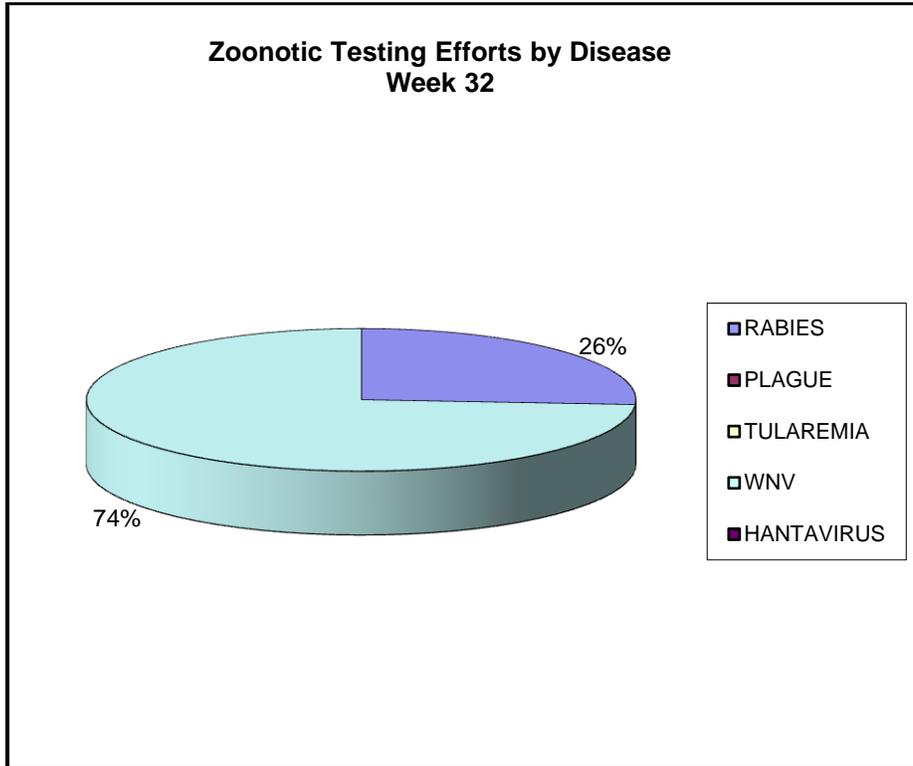
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	1	1	0	0	6	0	0	0	0	0	0
Wk22	2	0	0	0	0	2	0	0	0	0	0	0
Wk23	3	0	0	0	0	3	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	1	1	6	0	13	1	0	0	0	0	1
Wk26	9	0	0	11	0	20	0	0	0	0	0	0
Wk27	2	0	0	28	0	30	0	0	0	0	0	0
Wk28	6	0	0	26	0	32	0	0	0	0	0	0
Wk29	4	0	0	17	0	21	0	0	0	0	0	0
Wk30	6	0	0	22	0	28	1	0	0	2	0	3
Wk31	8*	0	0	18	0	26	0	0	0	2	0	2
Wk32	6	0	0	17	0	23	0	0	0	4	0	4
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	82	3	2	151	0	238	3	0	0	8	0	11

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	35	0	0	0
Skunk	5	0	0	0
Raccoon	26	0	0	0
Squirrel	0	1	0	0
Cat	10	1	1	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	1	1	0
Other	2	0	0	0
TOTALS	82	3	2	0

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

Testing by Disease





Zoonotic Disease Report August 12 – August 18, 2018 (Week 33)

Executive Summary

- Three human West Nile virus cases are reported in Colorado: Delta (1), Larimer (1), Weld (1). No additional cases were reported this week. No human cases are reported from Boulder County to date.
- Twenty mosquito pools were submitted for WNV testing. Two pools tested positive. Risk of infection continues throughout the county.
- Statewide 85 mosquito pools have tested positive for WNV: Larimer (53), Weld (20); Boulder (10), Adams (2).
- Mosquito counts are above average for this week.
- Four bats and one raccoon were submitted for rabies testing this week. All specimens tested negative.
- [2018 Colorado rabies positive specimens](#): Skunk (202), Bat (63), Raccoon (3), Cat (6), Dog (2), Alpaca (1).
- Boulder County reports three rabies positive specimens for the year: Bat (2), Skunk (1).
- No specimens were submitted for plague, tularemia, or hantavirus testing.

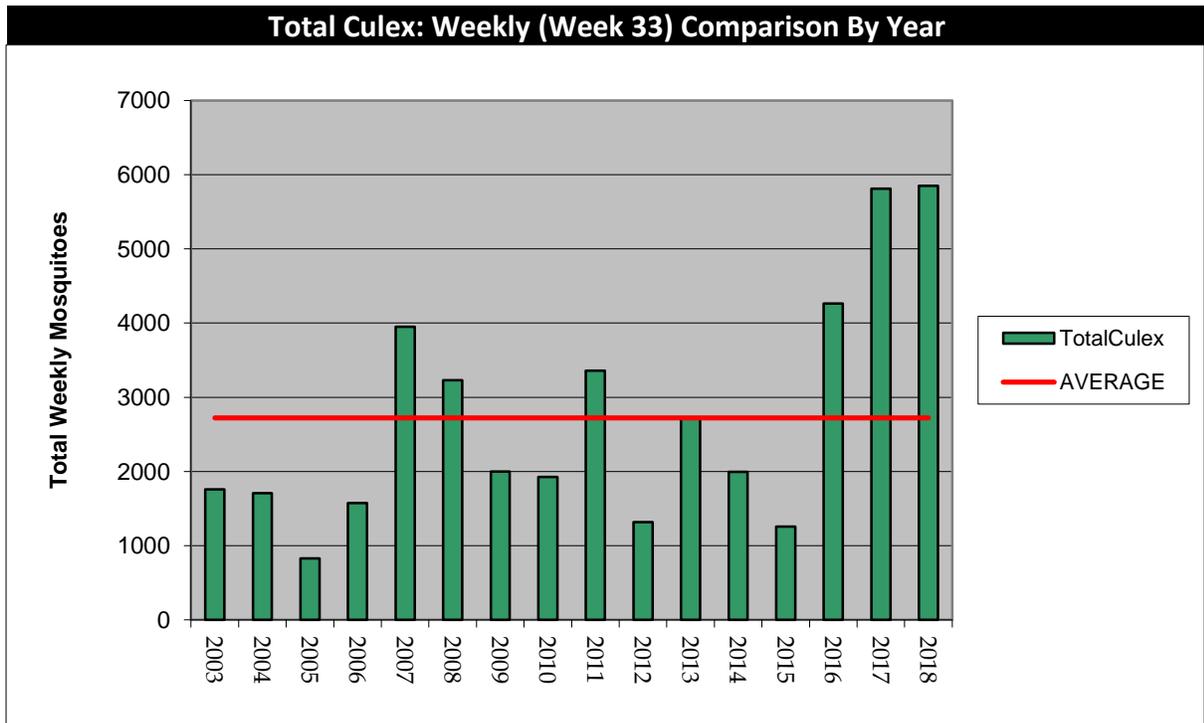
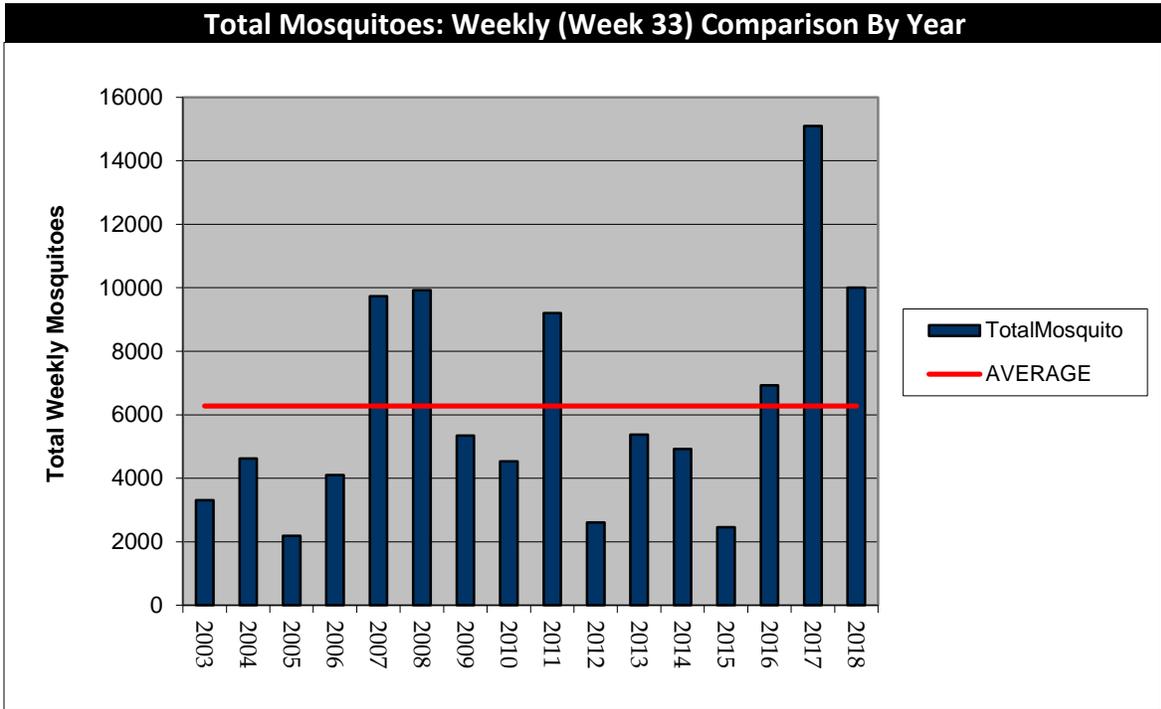
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

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	2	1	0
United States	44	62	4

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

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	----	----	----
Week 22	----	----	----
Week 23	----	----	----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
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	0.00	0.00	0.00
Week 30	0.00	0.11	0.13
Week 31	0.00	0.00	0.48
Week 32	0.00	0.38	0.44
Week 33	0.00	0.20	0.19
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 all samples submitted by Boulder County Public Health, 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

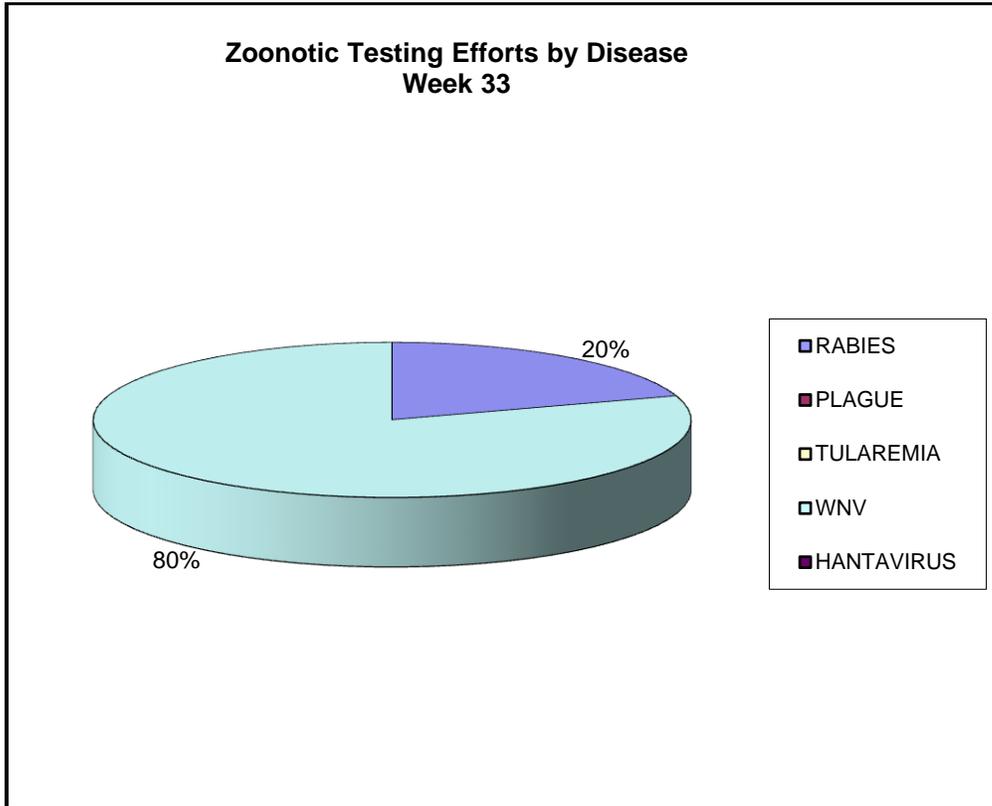
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	1	1	0	0	6	0	0	0	0	0	0
Wk22	2	0	0	0	0	2	0	0	0	0	0	0
Wk23	3	0	0	0	0	3	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	1	1	6	0	13	1	0	0	0	0	1
Wk26	9	0	0	11	0	20	0	0	0	0	0	0
Wk27	2	0	0	28	0	30	0	0	0	0	0	0
Wk28	6	0	0	26	0	32	0	0	0	0	0	0
Wk29	4	0	0	17	0	21	0	0	0	0	0	0
Wk30	6	0	0	22	0	28	1	0	0	2	0	3
Wk31	8*	0	0	18	0	26	0	0	0	2	0	2
Wk32	6	0	0	17	0	23	0	0	0	4	0	4
Wk33	5	0	0	20	0	25	0	0	0	2	0	2
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	87	3	2	171	0	263	3	0	0	10	0	13

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	39	0	0	0
Skunk	5	0	0	0
Raccoon	27	0	0	0
Squirrel	0	1	0	0
Cat	10	1	1	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	1	1	0
Other	2	0	0	0
TOTALS	87	3	2	0

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

Testing by Disease





Zoonotic Disease Report August 19 – August 25, 2018 (Week 34)

Executive Summary

- Eleven human West Nile virus cases are reported in Colorado: Larimer (6), Weld (3), Delta (1), Washington (1). No human cases are reported from Boulder County to date.
- Nine mosquito pools were submitted for WNV testing, all testing negative. Testing will continue next week and then be evaluated for continuation based on mosquito counts and test results.
- Statewide 96 mosquito pools, 22 raptors, and one horse have tested positive for WNV with the majority originating from Larimer and Weld counties.
- While total mosquito counts are slightly below average for the week, *Culex* counts are above average for the week.
- [2018 Colorado rabies positive specimens](#): Skunk (203), Bat (65), Raccoon (3), Cat (6), Dog (2), Alpaca (1).
- Boulder County reports three rabies positive specimens for the year: Bat (2), Skunk (1).
- No specimens were submitted for rabies, plague, tularemia, or hantavirus testing.

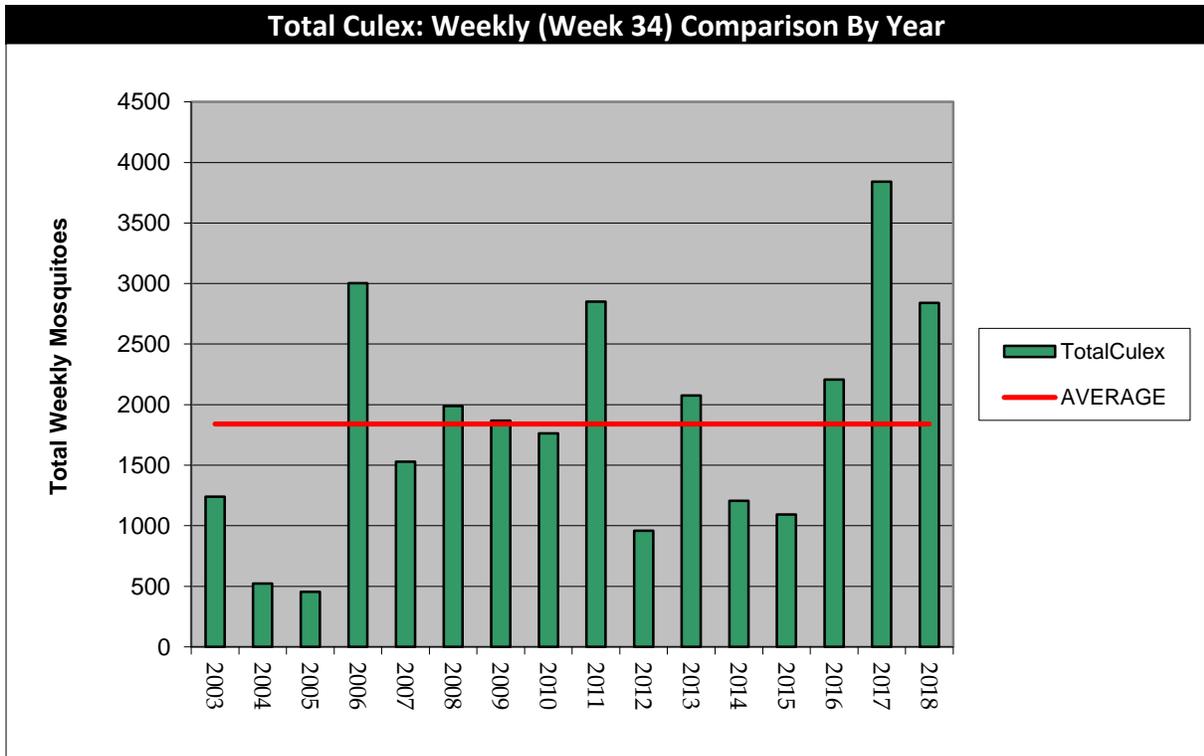
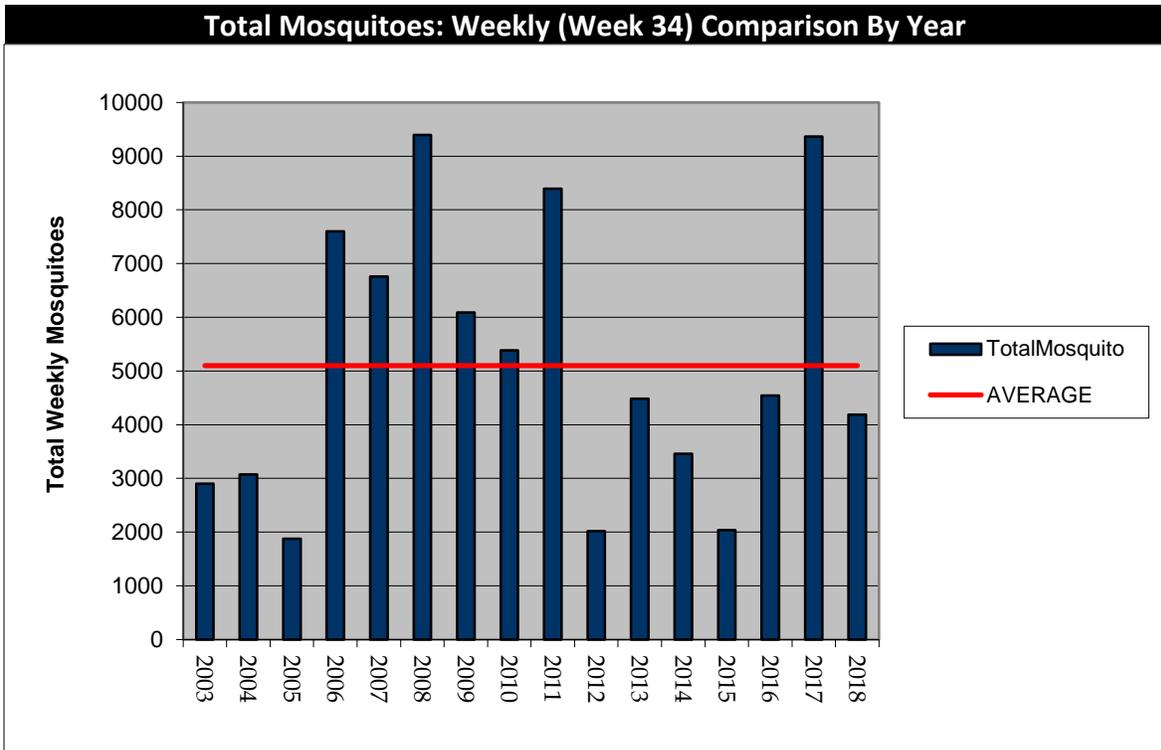
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

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	5	6	0
United States	98	133	8

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

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	----	----	----
Week 22	----	----	----
Week 23	----	----	----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
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	0.00	0.00	0.00
Week 30	0.00	0.11	0.13
Week 31	0.00	0.00	0.48
Week 32	0.00	0.38	0.44
Week 33	0.00	0.20	0.19
Week 34	0.00	0.00	0.00
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 all samples submitted by Boulder County Public Health, 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

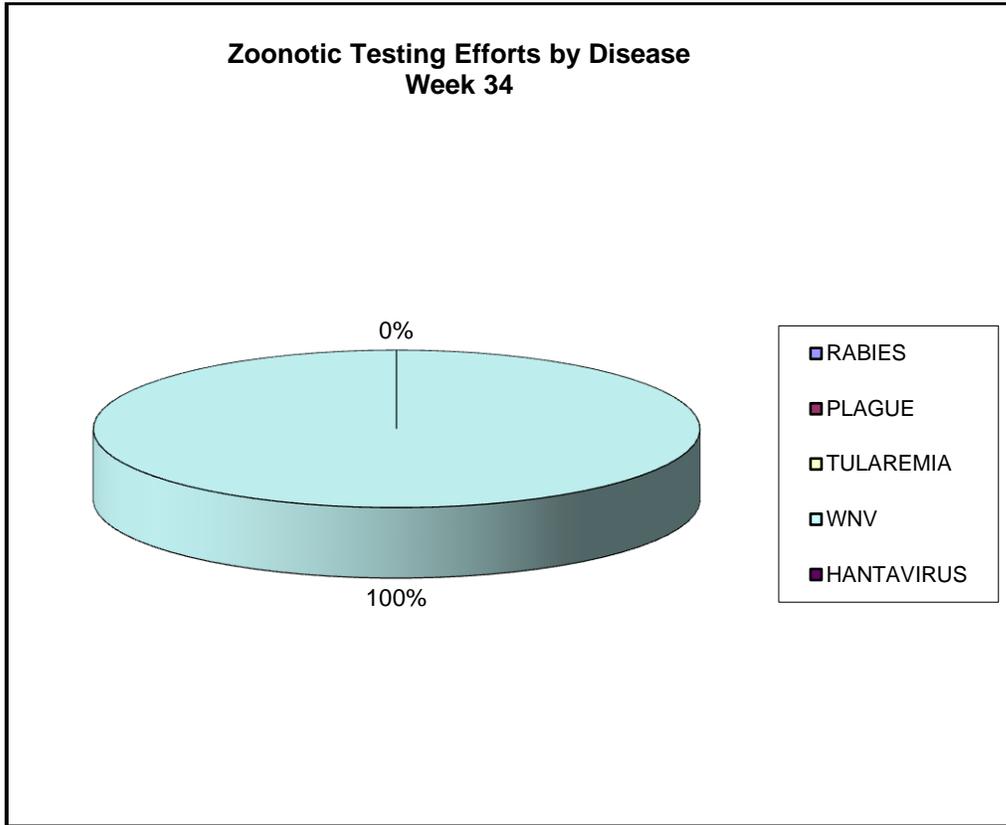
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	1	1	0	0	6	0	0	0	0	0	0
Wk22	2	0	0	0	0	2	0	0	0	0	0	0
Wk23	3	0	0	0	0	3	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	1	1	6	0	13	1	0	0	0	0	1
Wk26	9	0	0	11	0	20	0	0	0	0	0	0
Wk27	2	0	0	28	0	30	0	0	0	0	0	0
Wk28	6	0	0	26	0	32	0	0	0	0	0	0
Wk29	4	0	0	17	0	21	0	0	0	0	0	0
Wk30	6	0	0	22	0	28	1	0	0	2	0	3
Wk31	8*	0	0	18	0	26	0	0	0	2	0	2
Wk32	6	0	0	17	0	23	0	0	0	4	0	4
Wk33	8*	0	0	20	0	28	0	0	0	2	0	2
Wk34	0	0	0	9	0	9	0	0	0	0	0	0
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	90	3	2	180	0	275	3	0	0	10	0	13

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	42	0	0	0
Skunk	5	0	0	0
Raccoon	27	0	0	0
Squirrel	0	1	0	0
Cat	10	1	1	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	1	1	0
Other	2	0	0	0
TOTALS	90	3	2	0

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

Testing by Disease





Zoonotic Disease Report August 26 – August 31, 2018 (Week 35)

Executive Summary

- Sixteen human West Nile virus cases are reported in Colorado: Larimer (7), Weld (4), Clear Creek (1), Delta (1), Mesa (1), Montrose (1), Washington (1).
- Nine mosquito pools were submitted for WNV testing, one testing positive. Testing for next week will be evaluated for continuation based on mosquito counts and test results.
- Statewide 101 mosquito pools, 24 raptors, and one horse have tested positive for WNV with the majority originating from Larimer and Weld counties.
- Mosquito counts are above average for the week.
- [2018 Colorado rabies positive specimens](#): Skunk (205), Bat (66), Raccoon (3), Cat (6), Dog (2), Alpaca (1).
- Boulder County reports four rabies positive specimens for the year: Bat (3), Skunk (1).
- No specimens were submitted for rabies, plague, tularemia, or hantavirus testing.

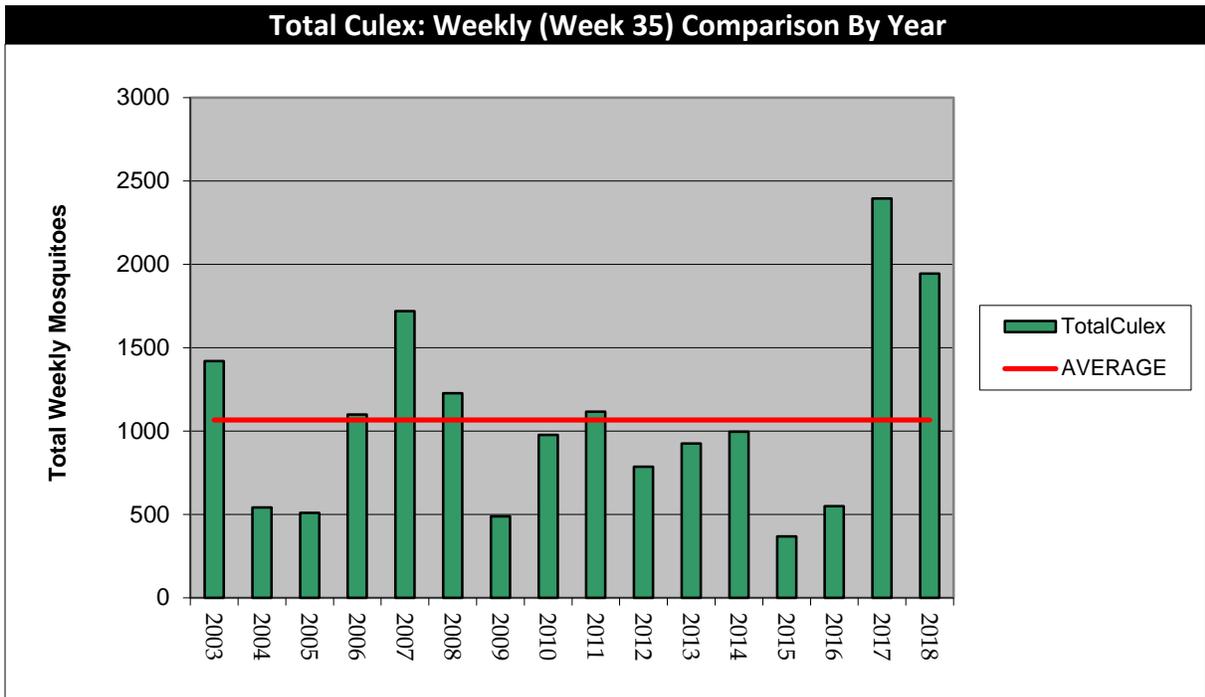
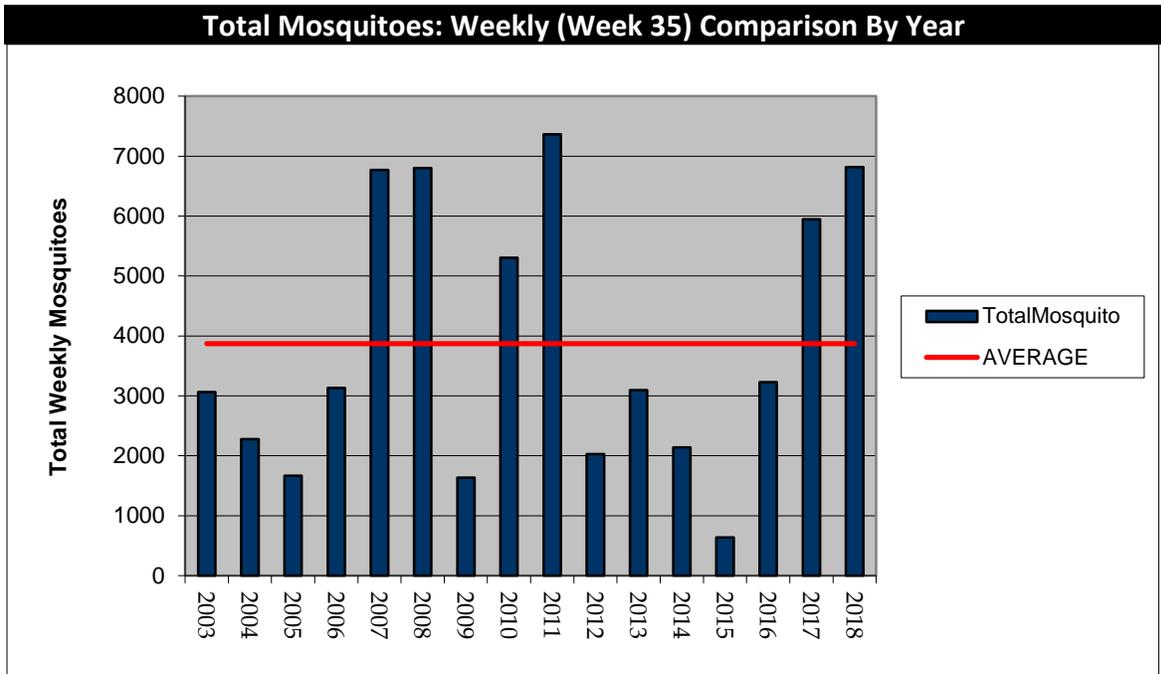
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

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	7	9	0
United States	98	133	8

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

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	----	----	----
Week 22	----	----	----
Week 23	----	----	----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
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	0.00	0.00	0.00
Week 30	0.00	0.11	0.13
Week 31	0.00	0.00	0.48
Week 32	0.00	0.38	0.44
Week 33	0.00	0.20	0.19
Week 34	0.00	0.00	0.00
Week 35	0.19	0.00	0.00
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 all samples submitted by Boulder County Public Health, 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

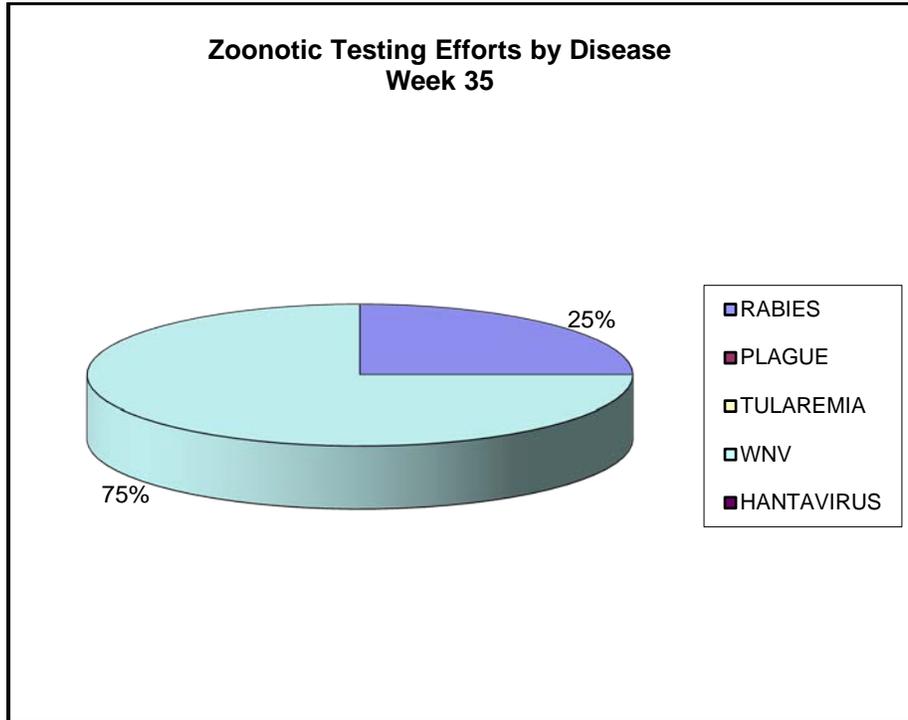
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	1	1	0	0	6	0	0	0	0	0	0
Wk22	2	0	0	0	0	2	0	0	0	0	0	0
Wk23	3	0	0	0	0	3	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	1	1	6	0	13	1	0	0	0	0	1
Wk26	9	0	0	11	0	20	0	0	0	0	0	0
Wk27	2	0	0	28	0	30	0	0	0	0	0	0
Wk28	6	0	0	26	0	32	0	0	0	0	0	0
Wk29	4	0	0	17	0	21	0	0	0	0	0	0
Wk30	6	0	0	22	0	28	1	0	0	2	0	3
Wk31	8*	0	0	18	0	26	0	0	0	2	0	2
Wk32	6	0	0	17	0	23	0	0	0	4	0	4
Wk33	8*	0	0	20	0	28	0	0	0	2	0	2
Wk34	0	0	0	9	0	9	0	0	0	0	0	0
Wk35	3	0	0	9	0	12	1	0	0	1	0	2
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	93	3	2	189	0	287	4	0	0	11	0	15

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	45	0	0	0
Skunk	5	0	0	0
Raccoon	27	0	0	0
Squirrel	0	1	0	0
Cat	10	1	1	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	1	1	0
Other	2	0	0	0
TOTALS	93	3	2	0

SEASON-TO-DATE DISEASE POSITIVES BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	3	0	0	0
Skunk	1	0	0	0
Raccoon	0	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
Rabbit	0	0	0	0
Other	0	0	0	0
TOTALS	4	0	0	0

Testing by Disease





Zoonotic Disease Report September 2 – September 8, 2018 (Week 36)

Executive Summary

- Three human West Nile virus cases have been confirmed in Boulder County. No new cases have been identified since last week.
- Nineteen human West Nile virus cases are reported in Colorado: Larimer (7), Weld (4), Boulder (3), Clear Creek (1), Delta (1), Mesa (1), Montrose (1), Washington (1).
- West Nile Virus testing has concluded for the season.
- Statewide 102 mosquito pools, 24 raptors, and one horse have tested positive for WNV with the majority originating from Larimer and Weld counties.
- Mosquito counts are below average for the week.
- [2018 Colorado rabies positive specimens](#): Skunk (205), Bat (66), Raccoon (3), Cat (6), Dog (2), Alpaca (1).
- Two bats and one raccoon were tested for rabies this week, one bat tested positive while the other bat and raccoon tested negative.
- Boulder County reports five rabies positive specimens for the year: Bat (4), Skunk (1).
- No specimens were submitted for plague, tularemia, or hantavirus testing.

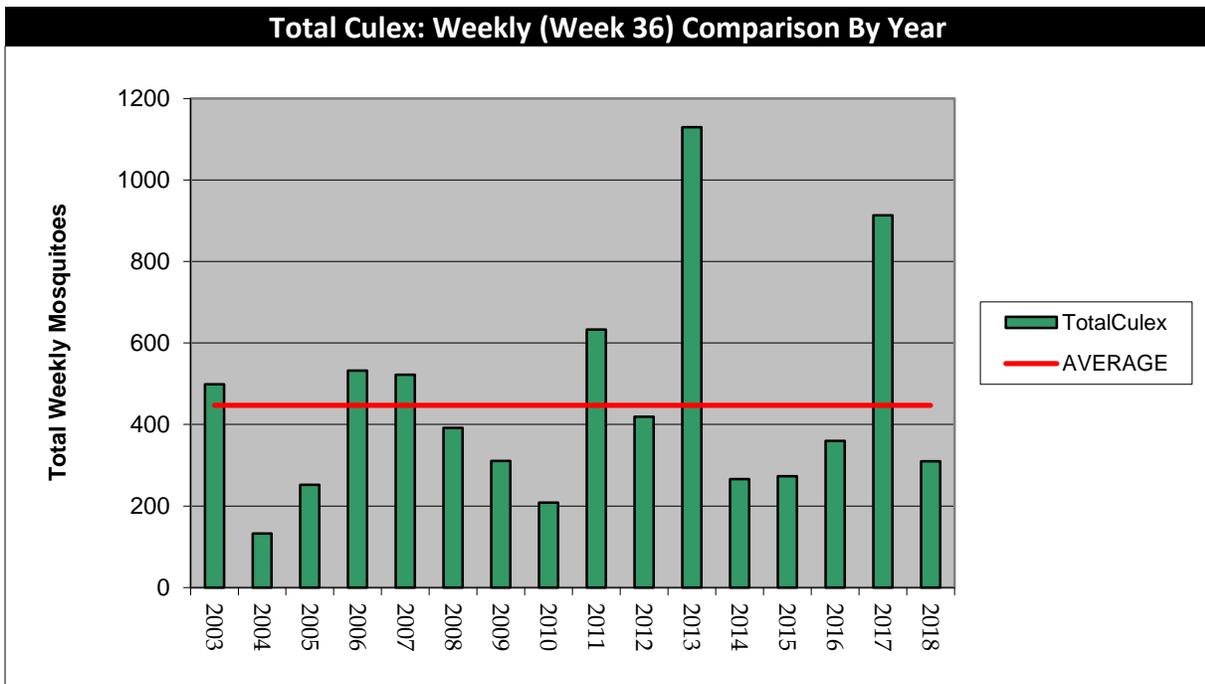
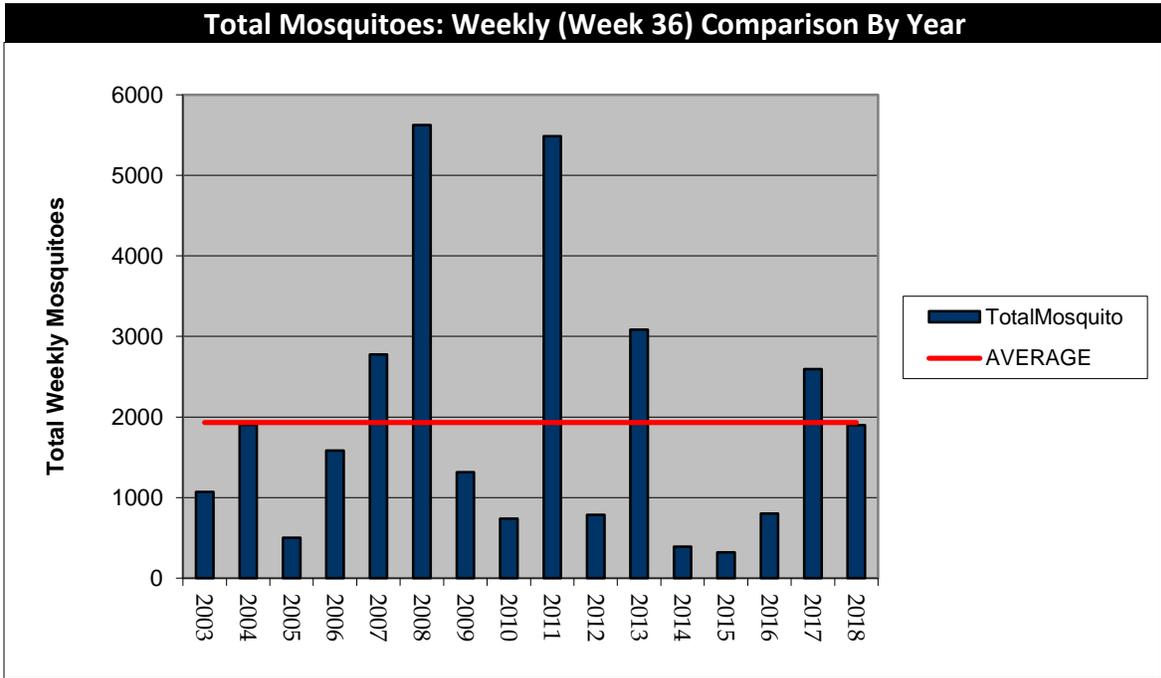
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

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	8	8	0
United States	247	312	18

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

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	----	----	----
Week 22	----	----	----
Week 23	----	----	----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
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	0.00	0.00	0.00
Week 30	0.00	0.11	0.13
Week 31	0.00	0.00	0.48
Week 32	0.00	0.38	0.44
Week 33	0.00	0.20	0.19
Week 34	0.00	0.00	0.00
Week 35	0.19	0.00	0.00
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

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Submissions and Results by Disease

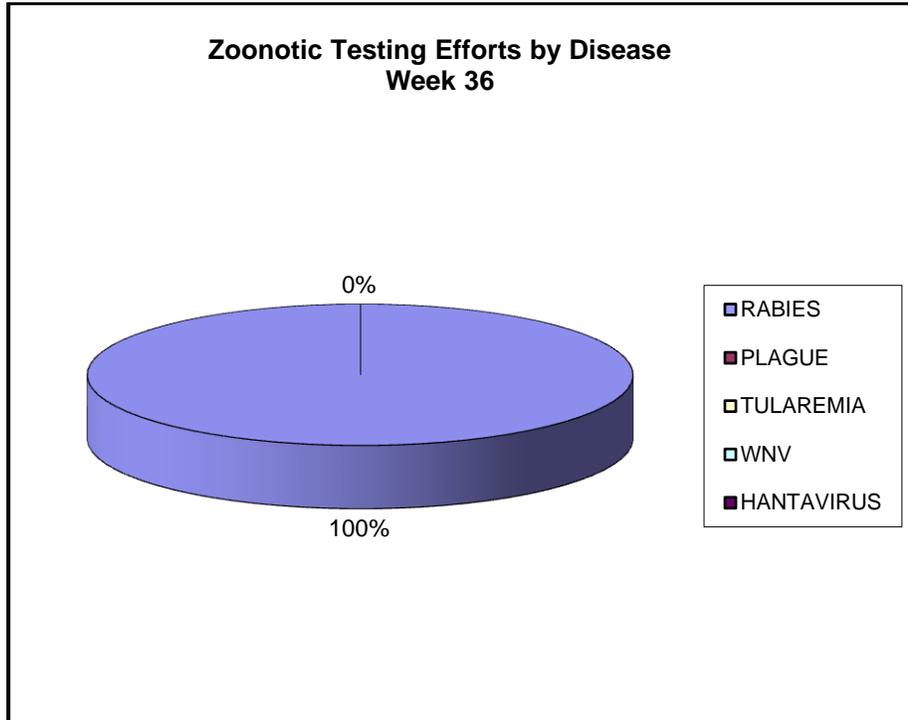
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	1	1	0	0	6	0	0	0	0	0	0
Wk22	2	0	0	0	0	2	0	0	0	0	0	0
Wk23	3	0	0	0	0	3	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	1	1	6	0	13	1	0	0	0	0	1
Wk26	9	0	0	11	0	20	0	0	0	0	0	0
Wk27	2	0	0	28	0	30	0	0	0	0	0	0
Wk28	6	0	0	26	0	32	0	0	0	0	0	0
Wk29	4	0	0	17	0	21	0	0	0	0	0	0
Wk30	6	0	0	22	0	28	1	0	0	2	0	3
Wk31	8*	0	0	18	0	26	0	0	0	2	0	2
Wk32	6	0	0	17	0	23	0	0	0	4	0	4
Wk33	8*	0	0	20	0	28	0	0	0	2	0	2
Wk34	0	0	0	9	0	9	0	0	0	0	0	0
Wk35	3	0	0	9	0	12	1	0	0	1	0	2
Wk36	3	0	0	0	0	3	1	0	0	0	0	1
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	97	3	2	189	0	291	5	0	0	11	0	16

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	47	0	0	0
Skunk	5	0	0	0
Raccoon	29	0	0	0
Squirrel	0	1	0	0
Cat	10	1	1	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	1	1	0
Other	2	0	0	0
TOTALS	97	3	2	0

SEASON-TO-DATE DISEASE POSITIVES BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	4	0	0	0
Skunk	1	0	0	0
Raccoon	0	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
Rabbit	0	0	0	0
Other	0	0	0	0
TOTALS	4	0	0	0

Testing by Disease





Zoonotic Disease Report September 9 – September 15, 2018 (Week 37)

Executive Summary

- Three additional human West Nile virus cases are reported in Boulder County. This brings the total to six to date for the year.
- Twenty four human West Nile virus cases are reported in Colorado: Larimer (7), Weld (4), Boulder (6), Delta (2), Clear Creek (1), Logan (1), Mesa (1), Montrose (1), Washington (1).
- Mosquito surveillance and West Nile virus testing has concluded for the season.
- Statewide 133 mosquito pools, 24 raptors, one horse and one camelid have tested positive for WNV.
- [2018 Colorado rabies positive specimens](#): Skunk (207), Bat (72), Raccoon (4), Cat (6), Dog (2), Alpaca (1).
- One bat and one dog were tested for rabies with the bat testing positive.
- Boulder County reports six rabies positive specimens for the year: Bat (5), Skunk (1).
- No specimens were submitted for plague, tularemia, or hantavirus testing.

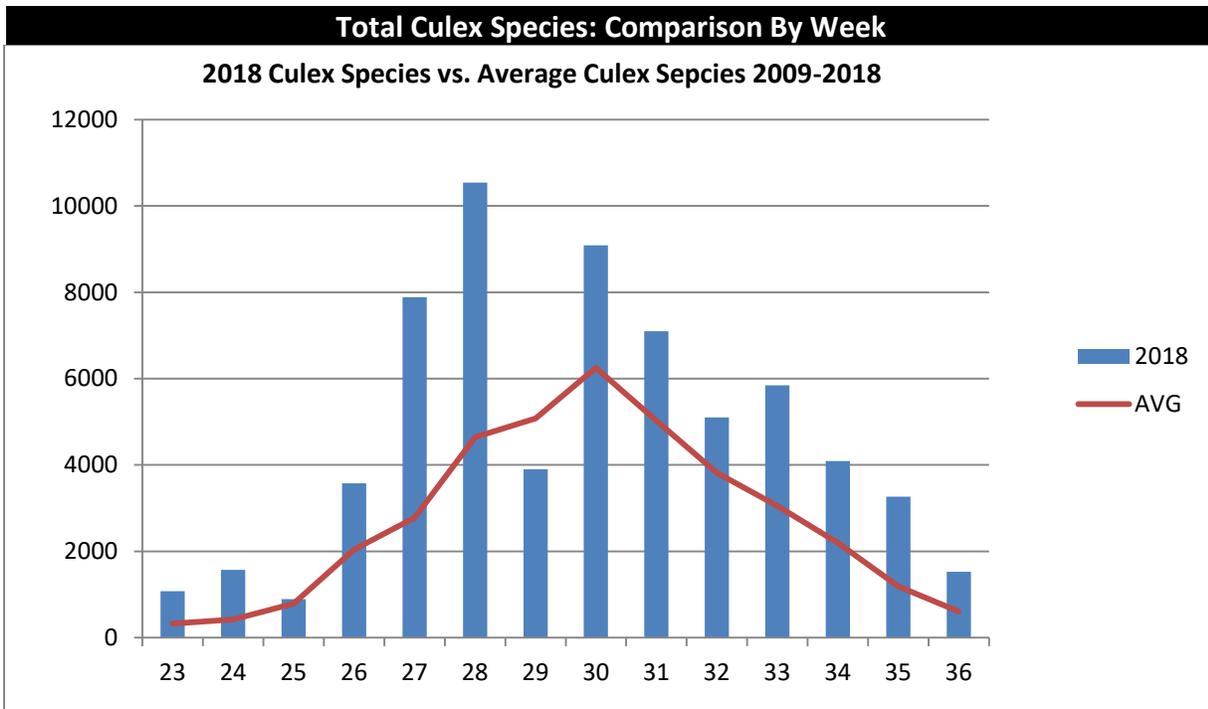
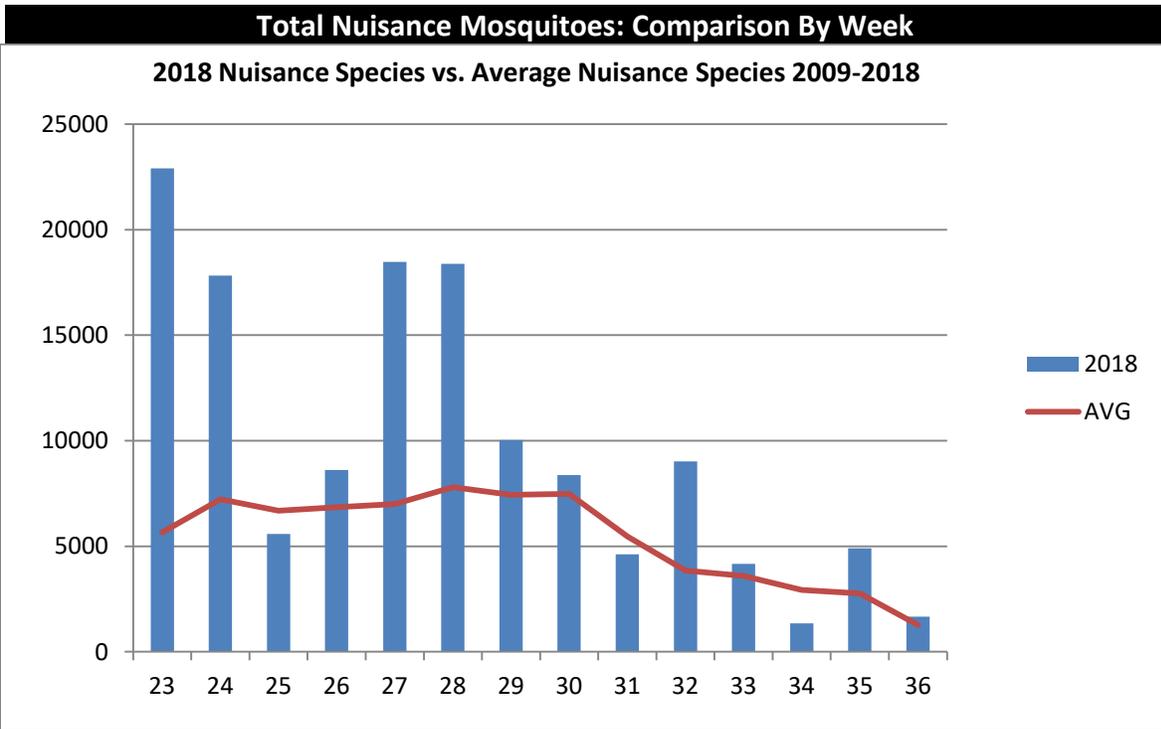
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

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	1	5	0
Colorado	14	9	0
United States	247	312	18

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

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	-----	-----	-----
Week 22	-----	-----	-----
Week 23	-----	-----	-----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
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	0.00	0.00	0.00
Week 30	0.00	0.11	0.13
Week 31	0.00	0.00	0.48
Week 32	0.00	0.38	0.44
Week 33	0.00	0.20	0.19
Week 34	0.00	0.00	0.00
Week 35	0.19	0.00	0.00
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

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- Data reflect all samples submitted by Boulder County Public Health, 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	1	0	0	0	21	1	0	0	0	0	1
Wk21	4	1	1	0	0	6	0	0	0	0	0	0
Wk22	2	0	0	0	0	2	0	0	0	0	0	0
Wk23	3	0	0	0	0	3	0	0	0	0	0	0
Wk24	7	0	0	6	0	13	0	0	0	0	0	0
Wk25	5	1	1	6	0	13	1	0	0	0	0	1
Wk26	9	0	0	11	0	20	0	0	0	0	0	0
Wk27	2	0	0	28	0	30	0	0	0	0	0	0
Wk28	6	0	0	26	0	32	0	0	0	0	0	0
Wk29	4	0	0	17	0	21	0	0	0	0	0	0
Wk30	6	0	0	22	0	28	1	0	0	2	0	3
Wk31	8*	0	0	18	0	26	0	0	0	2	0	2
Wk32	6	0	0	17	0	23	0	0	0	4	0	4
Wk33	8*	0	0	20	0	28	0	0	0	2	0	2
Wk34	0	0	0	9	0	9	0	0	0	0	0	0
Wk35	4	0	0	9	0	13	1	0	0	1	0	2
Wk36	3	0	0	0	0	3	1	0	0	0	0	1
Wk37	2	0	0	0	0	2	1	0	0	0	0	1
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	99	3	2	189	0	293	6	0	0	11	0	17

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	48	0	0	0
Skunk	5	0	0	0
Raccoon	29	0	0	0
Squirrel	0	1	0	0
Cat	10	1	1	0
Flea	0	0	0	0
Dog	4	0	0	0
Fox	1	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	1	1	0
Other	2	0	0	0
TOTALS	99	3	2	0

SEASON-TO-DATE DISEASE POSITIVES BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	5	0	0	0
Skunk	1	0	0	0
Raccoon	0	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
Rabbit	0	0	0	0
Other	0	0	0	0
TOTALS	6	0	0	0

Testing by Disease

