

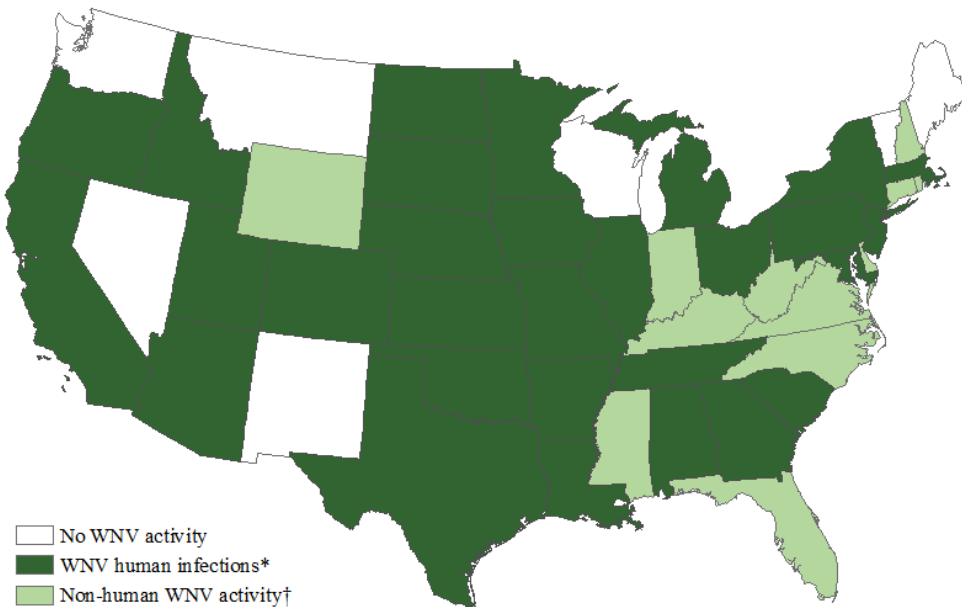


## Zoonotic Disease Report September 5 – September 11, 2021 (Week 36)

### Executive Summary

- CDPHE reports six human West Nile virus cases in Boulder County as of 9/17/2021.
- Boulder County submitted 3 mosquito pools for West Nile virus testing, two tested positive.
- For the season 144 WNV samples were submitted with 41 testing positive. This is a marked increase from previous years.
- Mosquito abundance (all species) and Culex species (WNV vectors) remained at historic levels through the season.
- Due to declining numbers and activity, mosquito control and surveillance operations have concluded for the year.
- Statewide, 64 specimens have tested positive for rabies in 2021 including three domestic animals: Miniature Horse (Adams), Mule (Eagle), and Cat (Morgan).
- To date, Boulder County reports 15 rabies positive specimens: Bat (6), Skunk (9).
- Five samples were submitted for rabies testing in week 36 with one skunk testing positive. No samples were submitted for plague, tularemia or hantavirus.

### West Nile Virus Activity by State – United States, 2021 (as of September 7, 2021)

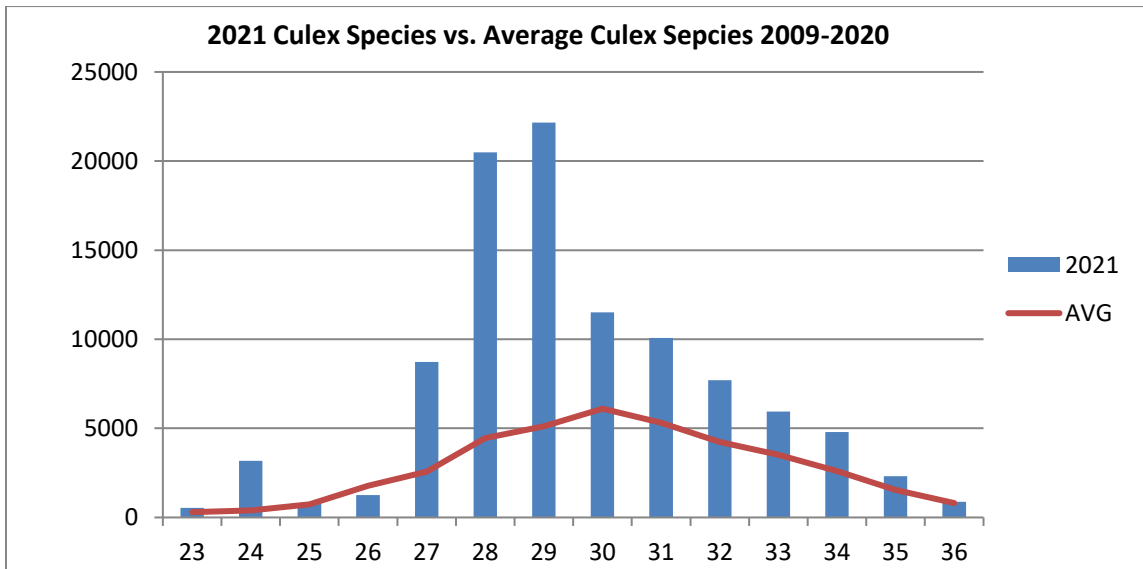
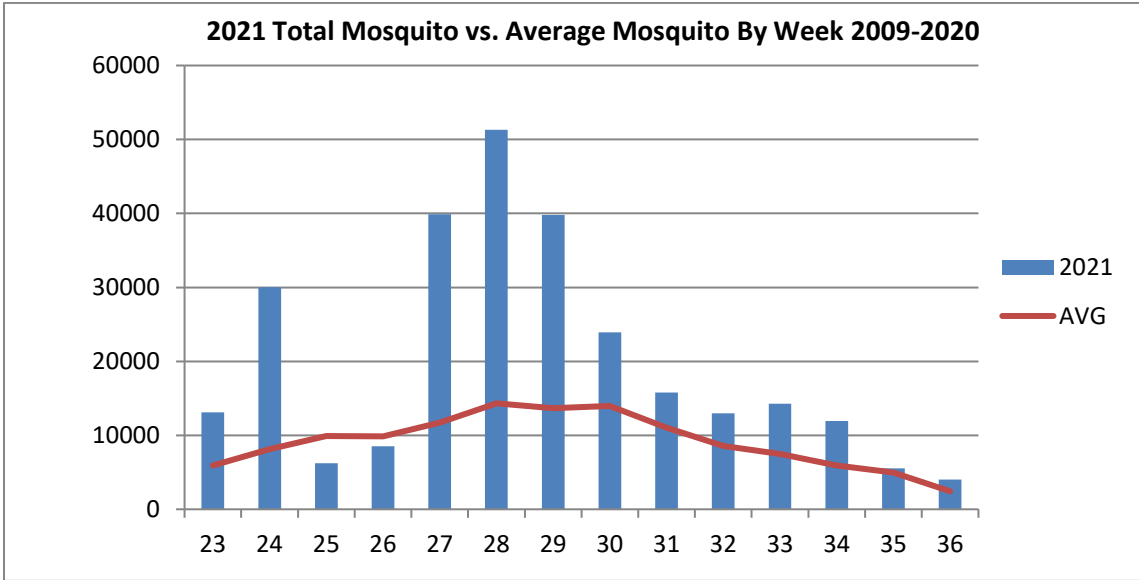


## West Nile Virus Disease Cases\* and Presumptive Viremic Blood Donors by State – United States, 2021 (as of September 7, 2021)

State	Neuroinvasive Disease Cases†	Non-neuroinvasive Disease Cases	Total cases	Deaths	Presumptive viremic blood donors‡
Alabama	5	1	6	0	2
Arizona	35	14	49	2	9
Arkansas	1	0	1	1	0
California	10	9	19	2	4
Colorado	19	15	34	0	7
Georgia	1	0	1	0	0
Idaho	3	0	3	1	1
Illinois	1	1	2	0	0
Iowa	2	2	4	0	0
Kansas	1	0	1	0	1
Louisiana	4	1	5	0	1
Maryland	0	1	1	0	0
Massachusetts	3	0	3	0	0
Michigan	2	0	2	0	1
Minnesota	0	1	1	0	9
Missouri	1	0	1	0	0
Nebraska	6	6	12	0	6
New Jersey	1	0	1	1	0
New York	5	2	7	0	1
North Dakota	4	5	9	0	6
Ohio	3	1	4	0	0
Oklahoma	1	0	1	0	2
Oregon	1	0	1	0	0
Pennsylvania	0	1	1	0	0
South Carolina	1	2	3	0	3
South Dakota	9	7	16	0	1
Tennessee	1	1	2	0	0
Texas	12	2	14	2	24
Utah	4	2	6	0	0
Totals	136	74	210	9	78

# Mosquito Activity

## 2021 Season



Positive WNV Mosquito Pools								
	2014	2015	2016	2017	2018	2019	2020	2021
# Submitted	131	132	145	188	189	206	114	144
# Positive	16	10	21	15	11	8	5	41
% Positive	12.2	7.6	14.5	8.0	5.8	3.9	4.4	28.8

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	5.04	0.00
Week 30	0.76	1.86	0.49
Week 31	1.53	2.56	0.37
Week 32	0.39	1.35	2.03
Week 33	0.00	0.59	0.59
Week 34	1.54	1.09	0.53
Week 35	0.46	0.60	0.40
Week 36	0.00	0.20	0.20

**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
Wk1-20	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	7	0	12	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	4	0	0	15	0	19	1	0	0	6	0	7
Wk32*	9	1	1	15	0	26	1	0	0	8	0	9
Wk33*	6	0	1	17	0	24	2	0	0	0	0	2
Wk34	3	0	0	17	0	20	2	0	0	11	0	13
Wk35	1	0	0	8	0	9	1	0	0	7	0	8
Wk36	5	0	0	3	0	8	1	0	0	2	0	3
<b>TOTAL TO DATE</b>	81	2	3	144	0	230	15	1	0	41	0	57

## 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	17	0	0	0
Raccoon	7	0	0	0
Squirrel	0	0	0	0
Cat	8	1	1	0
Flea	0	0	0	0
Dog	6	1	1	0
Fox	0	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	0	0
Other	4	0	0	0
<b>TOTALS</b>	<b>81</b>	<b>2</b>	<b>2</b>	<b>0</b>

SEASON-TO-DATE DISEASE POSITIVES BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	6	0	0	0
Skunk	9	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
<b>TOTALS</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>0</b>

Rabies Positive Specimens by Year					
	Bat	Domestic	Skunk	Wildlife	Total
<b>2015</b>	7	0	18	1	<b>26</b>
<b>2016</b>	7	0	2	1	<b>10</b>
<b>2017</b>	6	0	1	0	<b>7</b>
<b>2018</b>	7	0	2	0	<b>9</b>
<b>2019</b>	3	0	0	0	<b>3</b>
<b>2020</b>	7	1	1	0	<b>9</b>

## Testing by Disease

