



JULY 9, 2024

## Current Year Data (2024)

### KEY POINTS

- ArboNET is a national arboviral surveillance system managed by CDC and state health departments.
- These data are preliminary and subject to change.
- Current season data are updated every one to two weeks during June through December.
- Due to delays in reporting, state, territorial, and local health departments may have more up-to-date information than what is presented here.

## View the data for West Nile

Data are current as of *July 9, 2024*.

### Total Human Disease Cases in 2024\*

**15**

*West Nile virus disease cases in 2024*

### Neuroinvasive Human Disease Cases in 2024

**7**

*West Nile virus neuroinvasive disease cases in 2024*

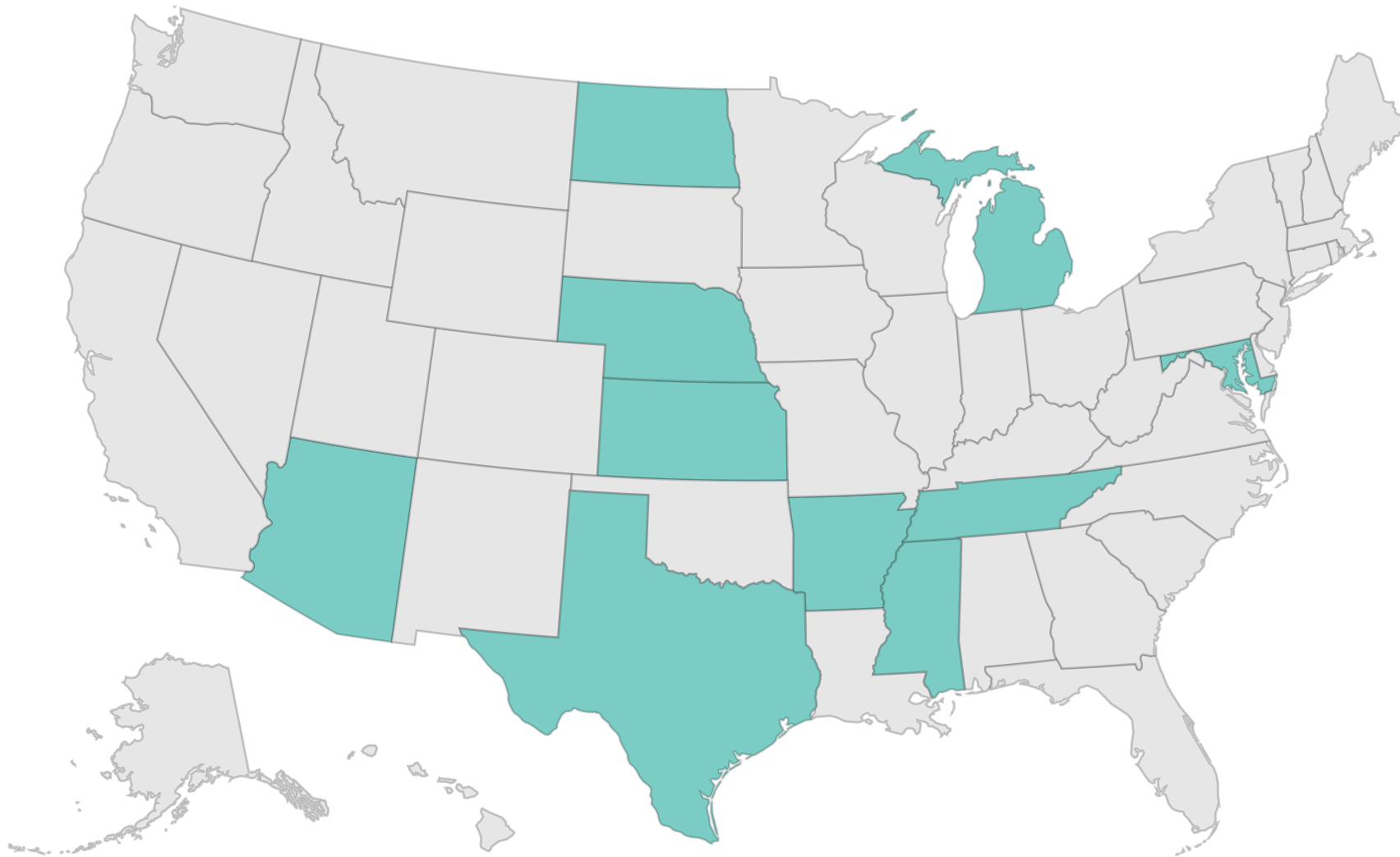
### States Reporting Human Disease Cases in 2024

**11**

*States reporting West Nile virus disease cases in 2024*

\*Total human disease cases includes neuroinvasive and non-neuroinvasive disease cases.

West Nile virus human disease cases reported by state of residence, 2024



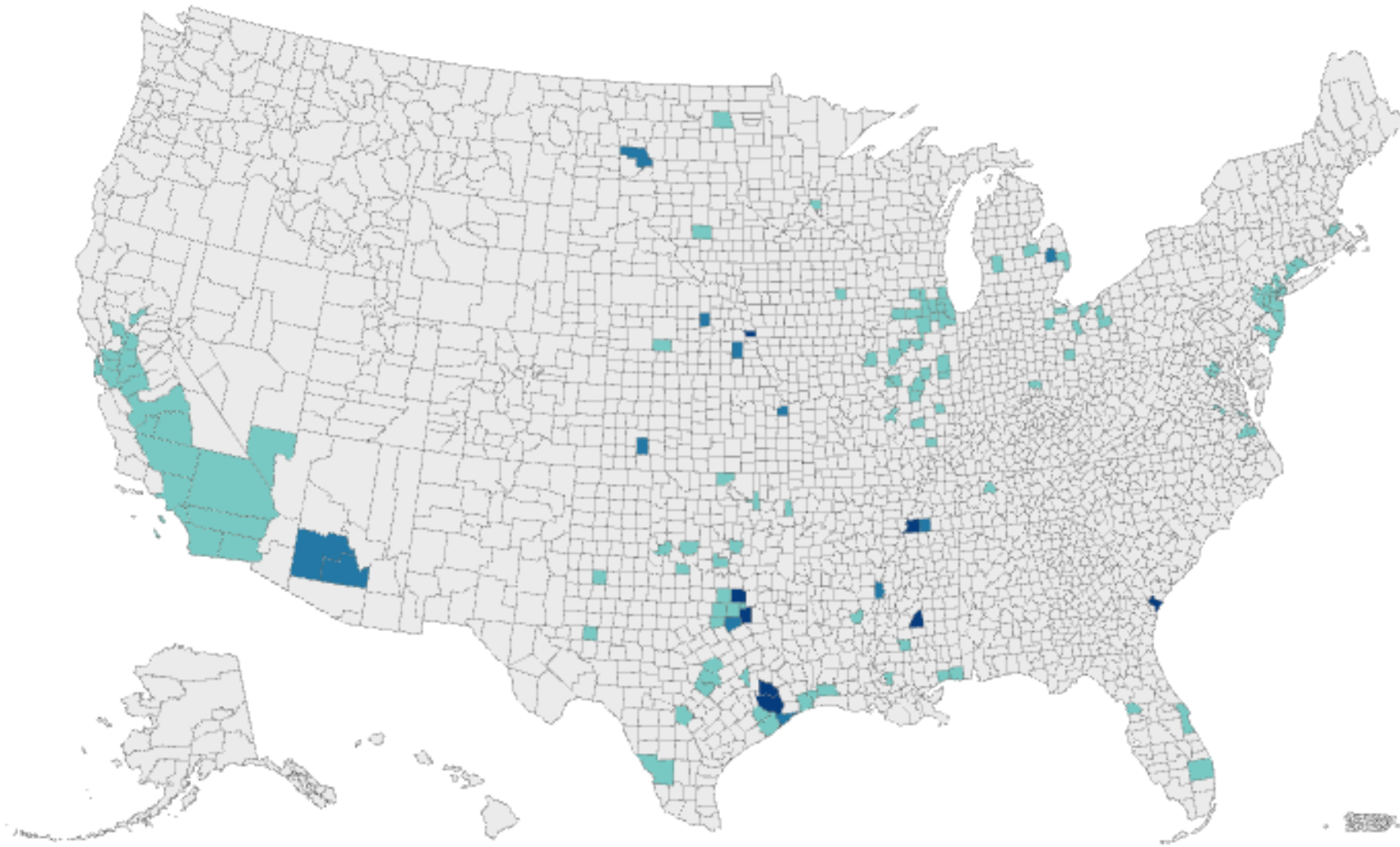
● 1 to 5 ● 6 to 8 ● 9 to 25 ● >25

[Download Data \(CSV\)](#)

Data Table - West Nile virus human disease cases reported by state of residence, 2024	
State	Reported Disease Cases
● Arizona	2
● Arkansas	1
● Kansas	2
● Maryland	1
● Michigan	1
● Mississippi	1
● Nebraska	3
● North Dakota	1
● Tennessee	2
● Texas	1

### West Nile virus human and non-human activity by county of residence, 2024\*

View the total number of human infections reported by county by hovering over the shaded counties below



● Non-human activity ● Human infections ● Human infections and non-human activity

*\*Maryland reports state level data only; South Carolina reports state level data only for human infections*

**About this map:**

**Non-human activity:** Indicates that veterinary disease cases or infections in mosquitoes, birds, or sentinel animals have been reported to CDC.

**Human infections:** Indicates that human disease cases or infections in blood donors have been reported to CDC.

**Human infections and non-human activity:** Indicates that both human infections and non-human infections have been reported to CDC.

[Download Data \(CSV\)](#)

Data Table - West Nile virus human and non-human activity by county of residence, 2024*				
State, County	Activity	Total human disease cases	Neuroinvasive disease cases	**Presumptive viremic blood donors
● AZ, Maricopa	Human infections	1	1	0
● AZ, Pinal	Human infections	1	1	0
● AR, Chicot	Human infections	1	0	0
● CA, Alameda	Non-human activity	0	0	0
● CA, Contra Costa	Non-human activity	0	0	0
● CA, Fresno	Non-human activity	0	0	0
● CA, Imperial	Non-human activity	0	0	0
● CA, Kern	Non-human activity	0	0	0
● CA, Kings	Non-human activity	0	0	0
● CA, Los Angeles	Non-human activity	0	0	0
● CA, Merced	Non-human activity	0	0	0
● CA, Orange	Non-human activity	0	0	0
● CA, Riverside	Non-human activity	0	0	0
● CA, Sacramento	Non-human activity	0	0	0
● CA, San Bernardino	Non-human activity	0	0	0
● CA, San Diego	Non-human activity	0	0	0
● CA, San Joaquin	Non-human activity	0	0	0
● CA, San Mateo	Non-human activity	0	0	0
● CA, Santa Clara	Non-human activity	0	0	0
● CA, Stanislaus	Non-human activity	0	0	0
● CA, Tulare	Non-human activity	0	0	0
● CA, Yolo	Non-human activity	0	0	0
● CA, Yuba	Non-human activity	0	0	0
● CT, Fairfield	Non-human activity	0	0	0
● CT, New Haven	Non-human activity	0	0	0
● FL, Brevard	Non-human activity	0	0	0
● FL, Citrus	Non-human activity	0	0	0

State, County ▲	Activity	Total human disease cases	Neuroinvasive disease cases	**Presumptive viremic blood donors
FL, Palm Beach	Non-human activity	0	0	0
GA, Chatham	Human infections and non-human activity	0	0	1
IL, Boone	Non-human activity	0	0	0
IL, Champaign	Non-human activity	0	0	0
IL, Christian	Non-human activity	0	0	0
IL, Clay	Non-human activity	0	0	0
IL, Cook	Non-human activity	0	0	0
IL, De Kalb	Non-human activity	0	0	0
IL, Douglas	Non-human activity	0	0	0
IL, Du Page	Non-human activity	0	0	0
IL, Fulton	Non-human activity	0	0	0
IL, Hancock	Non-human activity	0	0	0
IL, Kane	Non-human activity	0	0	0
IL, Kendall	Non-human activity	0	0	0
IL, Lake	Non-human activity	0	0	0
IL, La Salle	Non-human activity	0	0	0
IL, Lee	Non-human activity	0	0	0
IL, Macon	Non-human activity	0	0	0
IL, Montgomery	Non-human activity	0	0	0
IL, Morgan	Non-human activity	0	0	0
IL, Peoria	Non-human activity	0	0	0
IL, Scott	Non-human activity	0	0	0
IL, Washington	Non-human activity	0	0	0
IL, Whiteside	Non-human activity	0	0	0
IL, Will	Non-human activity	0	0	0
IL, Williamson	Non-human activity	0	0	0
IL, Winnebago	Non-human activity	0	0	0
IL, Woodford	Non-human activity	0	0	0
IA, Black Hawk	Non-human activity	0	0	0
KS, Gray	Human infections	1	0	0
KS, Johnson	Human infections	1	1	0
LA, Calcasieu Parish	Non-human activity	0	0	0
LA, East Baton Rouge Parish	Non-human activity	0	0	0
LA, Ouachita Parish	Non-human activity	0	0	0
MA, Norfolk	Non-human activity	0	0	0
MI, Kent	Non-human activity	0	0	0
MI, Lapeer	Human infections	1	1	0
MI, Saginaw	Non-human activity	0	0	0
MI, St Clair	Non-human activity	0	0	0
MN, Anoka	Non-human activity	0	0	0
MS, Harrison	Non-human activity	0	0	0
MS, Jackson	Non-human activity	0	0	0
MS, Lincoln	Non-human activity	0	0	0
MS, Rankin	Human infections and non-human activity	1	0	0
MO, St Louis	Non-human activity	0	0	0
NE, Boone	Human infections	1	1	0
NE, Dawson	Non-human activity	0	0	0
NE, Douglas	Human infections and non-human activity	1	0	1
NE, Lancaster	Human infections	1	0	0
NV, Clark	Non-human activity	0	0	0
NJ, Atlantic	Non-human activity	0	0	0
NJ, Bergen	Non-human activity	0	0	0
NJ, Cape May	Non-human activity	0	0	0
NJ, Essex	Non-human activity	0	0	0
NJ, Gloucester	Non-human activity	0	0	0
NJ, Hudson	Non-human activity	0	0	0
NJ, Hunterdon	Non-human activity	0	0	0
NJ, Mercer	Non-human activity	0	0	0
NJ, Middlesex	Non-human activity	0	0	0
NJ, Monmouth	Non-human activity	0	0	0
NJ, Morris	Non-human activity	0	0	0
NJ, Ocean	Non-human activity	0	0	0
NJ, Somerset	Non-human activity	0	0	0
NJ, Union	Non-human activity	0	0	0
NJ, Warren	Non-human activity	0	0	0

State, County ▲	Activity	Total human disease cases	Neuroinvasive disease cases	**Presumptive viremic blood donors
NY, Bronx	Non-human activity	0	0	0
NY, Kings	Non-human activity	0	0	0
NY, Queens	Non-human activity	0	0	0
NY, Richmond	Non-human activity	0	0	0
NY, Rockland	Non-human activity	0	0	0
ND, Grand Forks	Non-human activity	0	0	0
ND, Morton	Human infections	1	0	0
OH, Franklin	Non-human activity	0	0	0
OH, Hamilton	Non-human activity	0	0	0
OH, Hancock	Non-human activity	0	0	0
OH, Lorain	Non-human activity	0	0	0
OH, Richland	Non-human activity	0	0	0
OH, Sandusky	Non-human activity	0	0	0
OH, Stark	Non-human activity	0	0	0
OH, Summit	Non-human activity	0	0	0
OK, Adair	Non-human activity	0	0	0
OK, Carter	Non-human activity	0	0	0
OK, Comanche	Non-human activity	0	0	0
OK, Jackson	Non-human activity	0	0	0
OK, Kay	Non-human activity	0	0	0
OK, Pontotoc	Non-human activity	0	0	0
OK, Tulsa	Non-human activity	0	0	0
SD, Beadle	Non-human activity	0	0	0
TN, Davidson	Non-human activity	0	0	0
TN, Fayette	Human infections	1	0	0
TN, Shelby	Human infections and non-human activity	1	1	0
TX, Bell	Non-human activity	0	0	0
TX, Bexar	Non-human activity	0	0	0
TX, Brazoria	Non-human activity	0	0	0
TX, Brazos	Non-human activity	0	0	0
TX, Collin	Human infections and non-human activity	0	0	2
TX, Dallas	Non-human activity	0	0	0
TX, Denton	Non-human activity	0	0	0
TX, Ellis	Human infections	0	0	1
TX, Fort Bend	Non-human activity	0	0	0
TX, Galveston	Human infections	0	0	1
TX, Harris	Human infections and non-human activity	0	0	7
TX, Jefferson	Non-human activity	0	0	0
TX, Johnson	Non-human activity	0	0	0
TX, Kaufman	Human infections and non-human activity	0	0	1
TX, Lubbock	Non-human activity	0	0	0
TX, Midland	Non-human activity	0	0	0
TX, Montgomery	Human infections and non-human activity	1	0	6
TX, Orange	Non-human activity	0	0	0
TX, Rockwall	Non-human activity	0	0	0
TX, Tarrant	Non-human activity	0	0	0
TX, Travis	Non-human activity	0	0	0
TX, Webb	Non-human activity	0	0	0
TX, Wichita	Non-human activity	0	0	0
TX, Williamson	Non-human activity	0	0	0
VA, Fairfax	Non-human activity	0	0	0
VA, Henrico	Non-human activity	0	0	0
VA, Prince William	Non-human activity	0	0	0
VA, York	Non-human activity	0	0	0
VA, Chesapeake City	Non-human activity	0	0	0
VA, Falls Church City	Non-human activity	0	0	0
VA, Suffolk City	Non-human activity	0	0	0

\*\*Presumptive viremic blood donors (PVD) are people who had no symptoms at the time of donating blood through a blood collection agency, but whose blood tested positive when screened for the presence of West Nile virus. Some PVDs develop symptoms after donation.



## Limitations of ArboNET data

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Surveillance data have several limitations that should be considered when using and interpreting the data.

1. Under-reporting is a limitation common to all surveillance systems that rely on healthcare providers to consider the disease as a possible diagnosis in a patient, obtain the appropriate laboratory test, and report confirmed to public health authorities.
2. Cases of mild illness (non-neuroinvasive disease) are more likely to be underreported compared to more severe disease (neuroinvasive) cases. The degree of underreporting varies by disease awareness and healthcare-seeking behavior in any area. Surveillance data for non-neuroinvasive disease should not be used to make comparisons of disease activity between different locations or over time.
3. Surveillance data are reported by county of residence, not the location (county or state) of exposure.
4. Non-human surveillance is conducted variably across the country. Absence of non-human activity reported to CDC should not be interpreted as no risk.
5. There is a lag in case reporting to CDC and states and territories may publish surveillance data on different schedules than CDC.

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### SOURCES

**CONTENT SOURCE:**

[National Center for Emerging and Zoonotic Infectious Diseases \(NCEZID\)](#)