



West Nile Virus

Current Year Data (2023)



ArboNET is a national arboviral surveillance system managed by CDC and state health departments. ArboNET collects data on arboviral infections among people, veterinary animals, mosquitoes, dead birds, and sentinel animals.

Limitations of ArboNET Data ^

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.

i These data are preliminary and subject to change. Data are current as of *June 27, 2023*. Current season data are updated every 2 weeks from May 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.

Total Human Disease Cases in 2023*

17

West Nile virus disease cases in 2023

Neuroinvasive Human Disease Cases in 2023

10

West Nile virus neuroinvasive disease cases in 2023

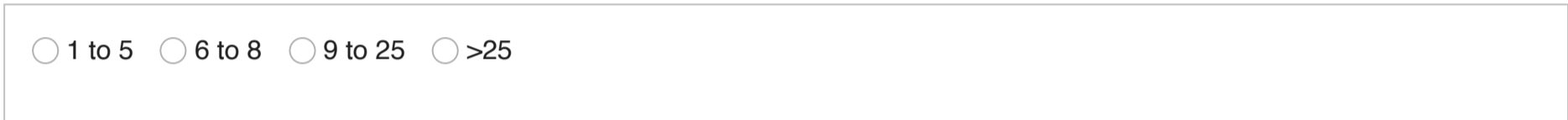
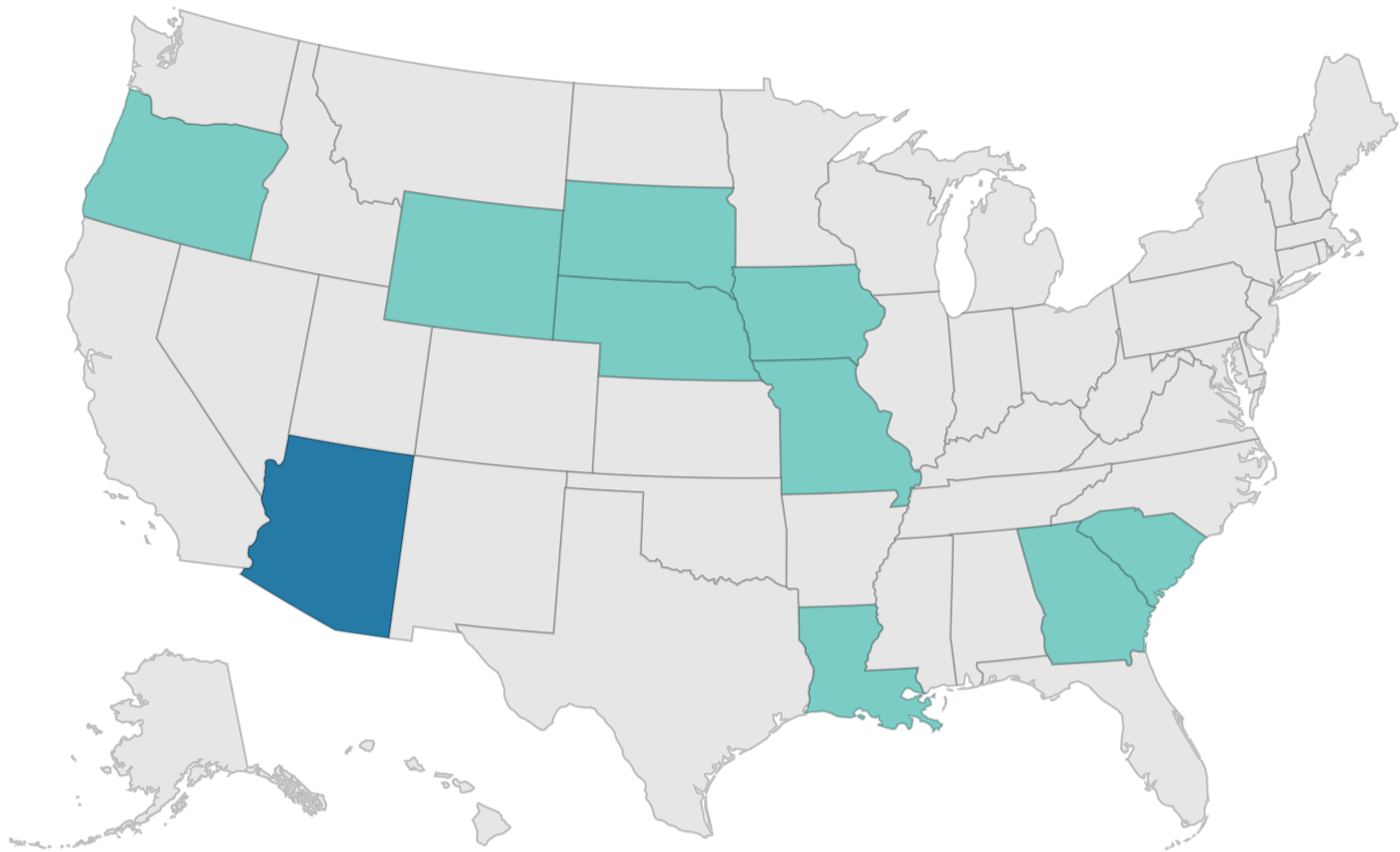
States Reporting Human Disease Cases in 2023

10

States reporting West Nile virus disease cases in 2023

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

West Nile virus human disease cases reported by state of residence, 2023



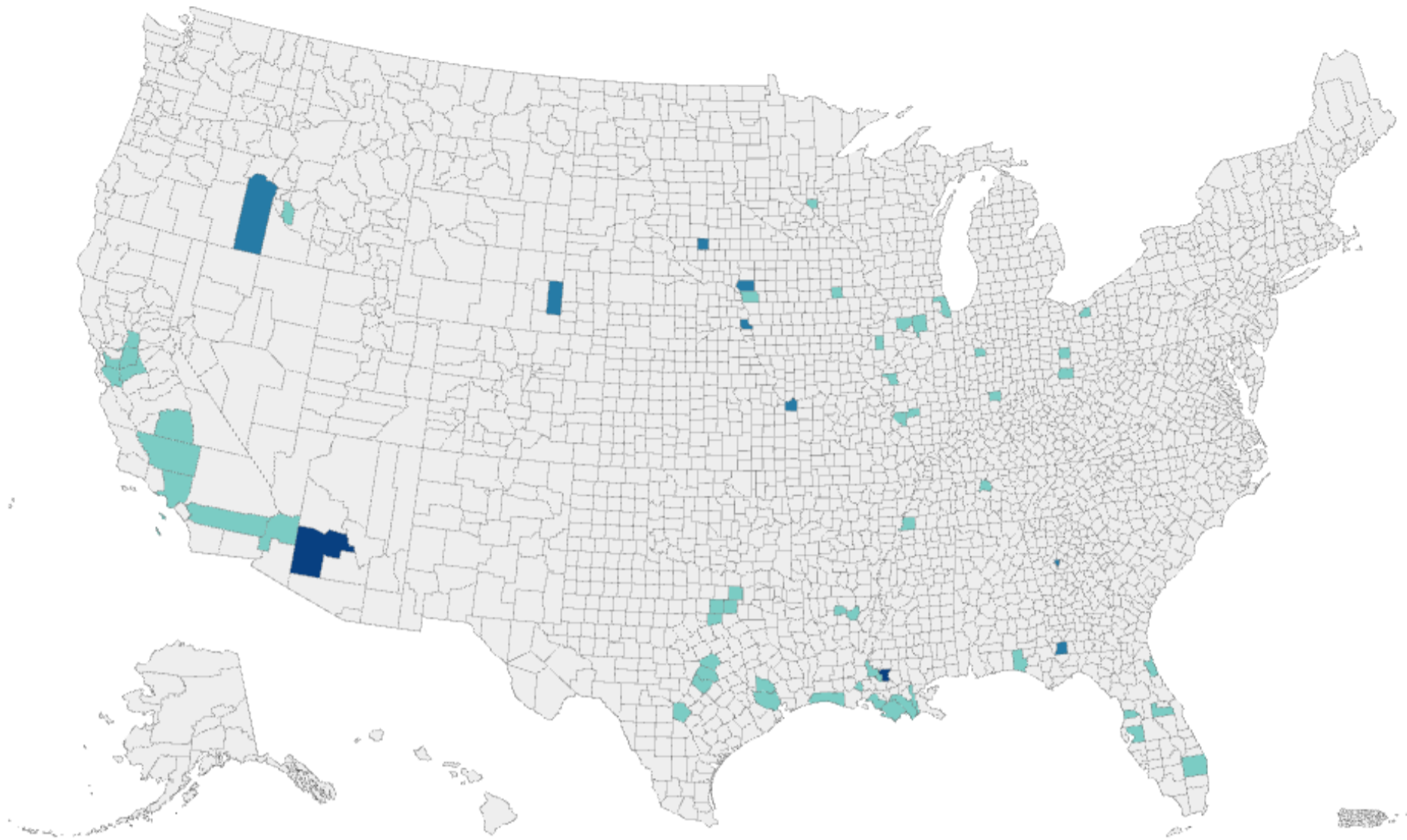
[Download Data \(CSV\)](#)

Data Table - West Nile virus human disease cases reported by state of residence, 2023

State	Reported Disease Cases
<input type="radio"/> Arizona	7
<input type="radio"/> Georgia	2
<input type="radio"/> Iowa	1
<input type="radio"/> Louisiana	1
<input type="radio"/> Missouri	1
<input type="radio"/> Nebraska	1
<input type="radio"/> Oregon	1
<input type="radio"/> South Carolina	1
<input type="radio"/> South Dakota	1
<input type="radio"/> Wyoming	1

West Nile virus human and non-human activity by county of residence, 2023*

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, 2023*

State, County	Activity	Total human diseas...	Neuroinvasive dise...	**Presumptive vire...
<input type="radio"/> FL, Hernando	Non-human activity			
<input type="radio"/> FL, Hillsborough	Non-human activity			
<input type="radio"/> FL, Orange	Non-human activity			
<input type="radio"/> FL, Palm Beach	Non-human activity			
<input type="radio"/> FL, St Johns	Non-human activity			
<input type="radio"/> FL, Walton	Non-human activity			
<input type="radio"/> GA, Clayton	Human infections	1	1	
<input type="radio"/> GA, Decatur	Human infections	1		
<input type="radio"/> ID, Ada	Non-human activity			
<input type="radio"/> IL, Bureau	Non-human activity			
<input type="radio"/> IL, Clinton	Non-human activity			
<input type="radio"/> IL, Cook	Non-human activity			
<input type="radio"/> IL, La Salle	Non-human activity			
<input type="radio"/> IL, Morgan	Non-human activity			
<input type="radio"/> IL, St Clair	Non-human activity			
<input type="radio"/> IL, Warren	Non-human activity			
<input type="radio"/> IN, Clinton	Non-human activity			

State, County	Activity	Total human diseas...	Neuroinvasive dise...	**Presumptive vire...
<input type="radio"/> IN, Jackson	Non-human activity			
<input type="radio"/> IA, Black Hawk	Non-human activity			
<input type="radio"/> IA, Plymouth	Human infections	1	1	
<input type="radio"/> IA, Woodbury	Non-human activity			
<input type="radio"/> LA, Cameron Parish	Non-human activity			
<input type="radio"/> LA, East Baton R...	Human infections an...	1	1	
<input type="radio"/> LA, Jefferson Parish	Non-human activity			
<input type="radio"/> LA, Lafayette Parish	Non-human activity			
<input type="radio"/> LA, Lafourche Par...	Non-human activity			
<input type="radio"/> LA, Lincoln Parish	Non-human activity			
<input type="radio"/> LA, Ouachita Parish	Non-human activity			
<input type="radio"/> LA, Pointe Coupe...	Non-human activity			
<input type="radio"/> LA, St Mary Parish	Non-human activity			
<input type="radio"/> LA, Terrebonne P...	Non-human activity			
<input type="radio"/> LA, West Baton R...	Non-human activity			
<input type="radio"/> MN, Anoka	Non-human activity			
<input type="radio"/> MO, Jackson	Human infections	1	1	
<input type="radio"/> NE, Washington	Human infections	1		
<input type="radio"/> OH, Franklin	Non-human activity			
<input type="radio"/> OH, Medina	Non-human activity			
<input type="radio"/> OH, Ross	Non-human activity			
<input type="radio"/> OR, Malheur	Human infections	1		
<input type="radio"/> SD, Sanborn	Human infections	1		
<input type="radio"/> TN, Davidson	Non-human activity			
<input type="radio"/> TN, Shelby	Non-human activity			
<input type="radio"/> TX, Bell	Non-human activity			
<input type="radio"/> TX, Bexar	Non-human activity			
<input type="radio"/> TX, Collin	Non-human activity			
<input type="radio"/> TX, Dallas	Non-human activity			
<input type="radio"/> TX, Harris	Non-human activity			
<input type="radio"/> TX, Johnson	Non-human activity			
<input type="radio"/> TX, Montgomery	Non-human activity			
<input type="radio"/> TX, Tarrant	Non-human activity			
<input type="radio"/> TX, Travis	Non-human activity			
<input type="radio"/> TX, Williamson	Non-human activity			
<input type="radio"/> WY, Goshen	Human infections	1	1	
<input type="radio"/> AZ, La Paz	Non-human activity			
<input type="radio"/> AZ, Maricopa	Human infections an...	7	4	2
<input type="radio"/> CA, Alameda	Non-human activity			
<input type="radio"/> CA, Kern	Non-human activity			
<input type="radio"/> CA, Los Angeles	Non-human activity			
<input type="radio"/> CA, Riverside	Non-human activity			
<input type="radio"/> CA, Sacramento	Non-human activity			
<input type="radio"/> CA, San Joaquin	Non-human activity			

State, County	Activity	Total human diseas...	Neuroinvasive dise...	**Presumptive vire...
<input type="radio"/> CA, Santa Clara	Non-human activity			
<input type="radio"/> CA, Stanislaus	Non-human activity			
<input type="radio"/> CA, Tulare	Non-human activity			

**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.

Last Reviewed: June 27, 2023