

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

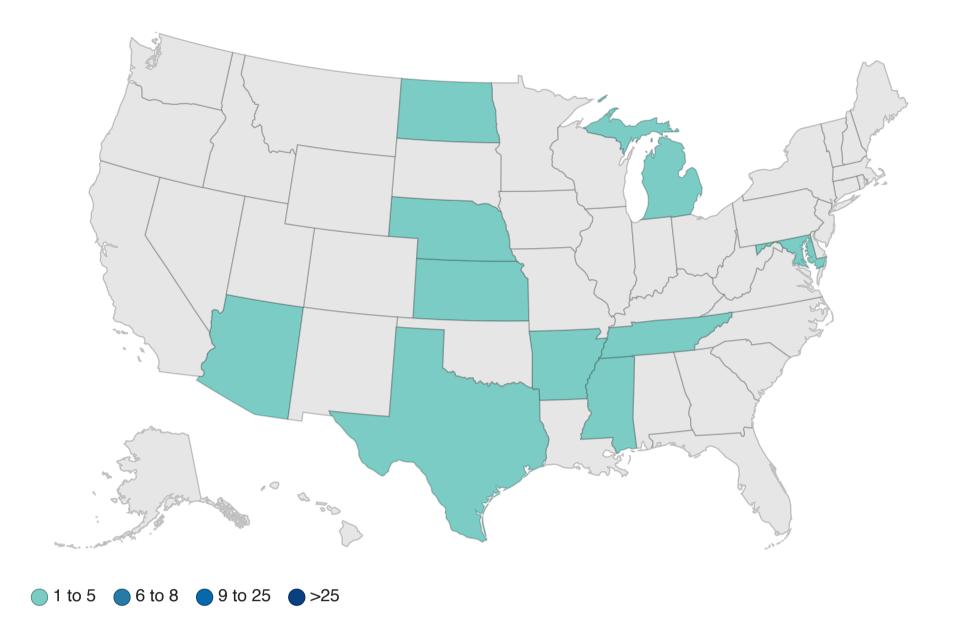
States Reporting Human Disease Cases in 2024

11

States reporting West Nile virus disease cases in 2024

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

<sup>\*</sup>Total human disease cases includes neuroinvasive and non-neuroinvasive disease cases.

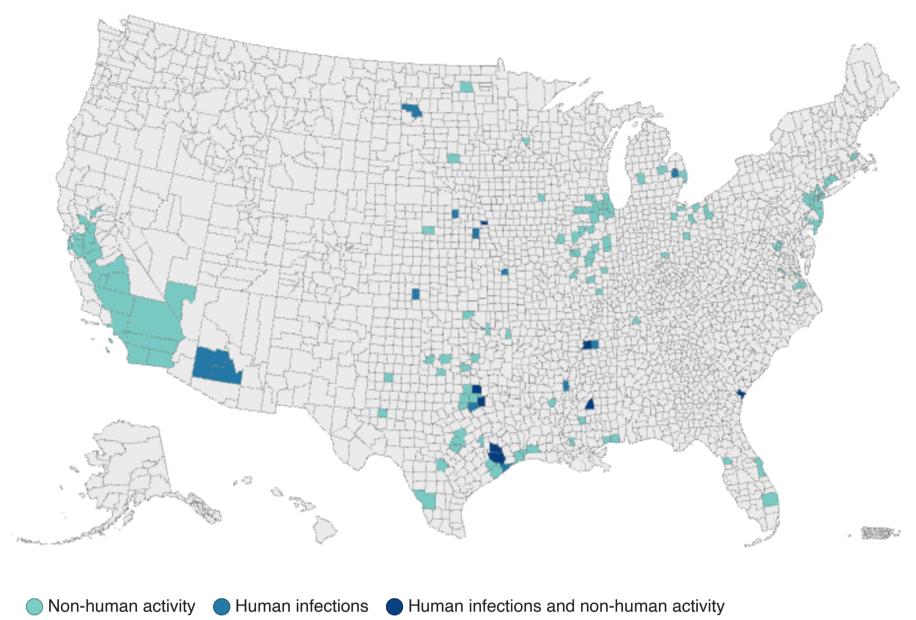


### Download Data (CSV)

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



\*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)

ate, 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

M. A. Coulton   Machementon   M. A. Serementon   C. Composite   M. A. Serementon   C. Composite   M. A. Serementon   C. Composite   M. Coulton   M. Coulton   M. A. Serementon   C. Composite   M. Coulton   M. M. Serementon   C. Coulton   C. Coulton   M. M. Serementon   C. Coulton   C. Coulton   M. M. Serementon   C. Coulton	State, County	Activity	Total human disease cases	Neuroinvasive disease cases	**Presumptive viremic blood donors
G. M. Carbane         Number fectors according to 0         0         0         1         0         1         0         1         0         1         0         1         0					·
L. Comango					
C. Christians   Month assembly   0   0   0   0   0   0   0   0   0					
Ø. F. Cay         North-row goldry         0 <td></td> <td></td> <td></td> <td></td> <td></td>					
B. Cay	IL, Champaign	Non-human activity	0	0	0
□ N. Cooke	<ul><li>IL, Christian</li></ul>	Non-human activity	0	0	0
6. H. Darlall         New-name arterity         0 <td< td=""><td>IL, Clay</td><td>Non-human activity</td><td>0</td><td>0</td><td>0</td></td<>	IL, Clay	Non-human activity	0	0	0
6. H. Darlall         New-name arterity         0 <td< td=""><td>IL, Cook</td><td>Non-human activity</td><td>0</td><td>0</td><td>0</td></td<>	IL, Cook	Non-human activity	0	0	0
0 II. Dr. Prays			0	0	0
		-			
□ IL Inflam     □ IL Inform     □ IL In					
6. H. Interaceic         Nech-uses activity         0					
© II. Krace	IL, Fulton	Non-human activity	0	0	0
© II. Cookala  ○ II. La Sold  ○ III. Management  ○ II	IL, Hancock	Non-human activity	0	0	0
© IL List Ball	IL, Kane	Non-human activity	0	0	0
© IL La Salaric	IL, Kendall	Non-human activity	0	0	0
© IL La Salaric	IL, Lake	Non-human activity	0	0	0
□ II. Load         Non-nume activity         0         0         0         0           □ II. Moragam         Non-nume activity         0         0         0         0           □ II. Moragam         Non-nume activity         0         0         0         0           □ II. Scot         Non-nume activity         0         0         0         0           □ II. Workprofe         Non-nume activity         0         0         0         0           □ II. Workprofe         Non-nume activity         0         0         0         0           □ II. Workprofe         Non-nume activity         0         0         0         0           □ II. Workprofe         Non-nume activity         0         0         0         0           □ II. Workprofe         Non-nume activity         0         0         0         0           □ II. Workprofe         Non-nume activity         0         0         0         0           □ II. Workprofe         Non-nume activity         0         0         0         0           □ II. Workprofe         Non-nume activity         0         0         0         0           □ II. State Stack         Non-nume activity         0		-	0	0	0
© II. Micropremy Non-human activity 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-			
© IL Mortgomety		-			
© II., Morgan	IL, Macon		0	0	0
⊕ IL, Pearla         Non-human activity         0         0         0         0           □ IL, Washington         Non-human activity         0         0         0         0           □ IL, Willersice         Non-human activity         0         0         0         0           □ IL, Willerson         Non-human activity         0         0         0         0           □ IL, Willerson         Non-human activity         0         0         0         0           □ IL, Willerson         Non-human activity         0         0         0         0           □ IL, Willerson         Non-human activity         0         0         0         0           □ IL, Willerson         Non-human activity         0         0         0         0           □ IL, Stack Handk         Non-human activity         0         0         0         0           □ KS, Gay         Human infections         1         1         1         0         0           □ LA, Castalizer Despreish         Non-human activity         0         0         0         0         0           □ LA, Castalizer Despreish         Non-human activity         0         0         0         0         0	IL, Montgomery	Non-human activity	0	0	0
⊕ IL. Soott         Non-huma activity         0         0         0         0           □ IL. Whiteside         Non-huma activity         0         0         0         0           □ IL. Will         Non-huma activity         0         0         0         0           □ IL. Will         Non-huma activity         0         0         0         0           □ IL. Windodod         Non-huma activity         0         0         0         0           □ IL. Windodod         Non-huma activity         0         0         0         0           ♠ KS. Orsy         Human infectors         1         1         0         0           ♠ KS. Jornon         Human infectors         1         1         1         0           ♠ LA. Caccasise Peridh         Non-huma activity         0         0         0         0           ■ LA. Caccasise Peridh         Non-huma activity         0         0         0         0           ■ LA. Caccasise Peridh         Non-huma activity         0         0         0         0           ■ LA. Caccasise Peridh         Non-huma activity         0         0         0         0           ■ LA. Sagrase         Non-huma activity	IL, Morgan	Non-human activity	0	0	0
© IL, Wisshington         Non-Human activity         0         0         0         0           IL, Williamsten         Non-Human activity         0         0         0         0           IL, Williamsten         Non-Human activity         0         0         0         0           IL, Windford         Non-Human activity         0         0         0         0           IL, Windford         Non-Human activity         0         0         0         0           IL, Windford         Non-Human activity         0         0         0         0           ILA, Salashan         Non-Human activity         0         0         0         0           ILA, Calcasse Perlah         Non-Human activity         0         0         0         0           ILA, Calcasse Perlah         Non-Human activity         0         0         0         0           ILA, Calcasse Perlah         Non-Human activity         0         0         0         0           ILA, Calcasse Perlah         Non-Human activity         0         0         0         0           ILA, Salasian         Non-Human activity         0         0         0         0           MM, Sicilia         Non-Human activi	IL, Peoria	Non-human activity	0	0	0
© IL, Wisshington         Non-Human activity         0         0         0         0           IL, Williamsten         Non-Human activity         0         0         0         0           IL, Williamsten         Non-Human activity         0         0         0         0           IL, Windford         Non-Human activity         0         0         0         0           IL, Windford         Non-Human activity         0         0         0         0           IL, Windford         Non-Human activity         0         0         0         0           ILA, Salashan         Non-Human activity         0         0         0         0           ILA, Calcasse Perlah         Non-Human activity         0         0         0         0           ILA, Calcasse Perlah         Non-Human activity         0         0         0         0           ILA, Calcasse Perlah         Non-Human activity         0         0         0         0           ILA, Calcasse Perlah         Non-Human activity         0         0         0         0           ILA, Salasian         Non-Human activity         0         0         0         0           MM, Sicilia         Non-Human activi		•	0		0
© IL, Williamolan Non-human activity         0         0         0           © IL, Williamon         Non-human activity         0         0         0           © IL, Williamon         Non-human activity         0         0         0           © IL, Windbatgo         Non-human activity         0         0         0           © IL, Woodbrad         Non-human activity         0         0         0           © IL, Woodbrad         Non-human activity         0         0         0           © KS, Corey         Human intercore         1         0         0         0           © KS, Corey         Human intercore         1         1         0         0         0           © LA, Caclosales Pariath         Non-human activity         0         0         0         0         0           © LA, Caclosales Pariath         Non-human activity         0					
© IL Williamstoon         Non-human activity         0         0         0           © IL Williamstoon         Non-human activity         0         0         0           © IL Woodhord         Non-human activity         0         0         0           © IL Woodhord         Non-human activity         0         0         0           © IL Schick Hank         Non-human activity         0         0         0           © KS, Gray         Human infections         1         1         0         0           © LA, Calcasier Prainh         Non-human activity         0         0         0         0           © LA, Calcasier Prainh         Non-human activity         0         0         0         0           © LA, Calcasier Prainh         Non-human activity         0         0         0         0           © LA, Calcasier Prainh         Non-human activity         0         0         0         0           © LA, Calcasier Prainh         Non-human activity         0         0         0         0           © MA, Bordos         Non-human activity         0         0         0         0           © MS, Signese         Non-human activity         0         0         0 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
© II., Williamson         Non-human activity         0         0         0           © II., Windcrago         Non-human activity         0         0         0           © II., Black Hask         Non-human activity         0         0         0           © KS, Chray         Human infections         1         0         0           © KS, Johnson         Human infections         1         1         0           © LA, Cascasieu Parlah         Non-human activity         0         0         0           © LA, Cascasieu Parlah         Non-human activity         0         0         0           © LA, Cascasieu Parlah         Non-human activity         0         0         0           © LA, Cascasieu Parlah         Non-human activity         0         0         0           © MA, Rortok         Non-human activity         0         0         0           © MI, Rort         Non-human activity         0         0         0           © MI, Saginaw         Non-human activity         0         0         0           © MS, Stalar         Non-human activity         0         0         0           Ø MS, Harrison         Non-human activity         0         0         0		•			
© IL, Winnebago         Non-human activity         0         0         0           © IL, Woodrodr         Non-human activity         0         0         0           © IL, Black Haska         Non-human activity         0         0         0           © KS, Gray         Human infectors         1         1         0         0           © KS, Christon         Human infectors         1         1         0         0           © LA, Calacister Parath         Non-human activity         0         0         0         0           © LA, Calacister Parath         Non-human activity         0         0         0         0           © LA, Calacister Parath         Non-human activity         0         0         0         0           © LA, Calacister Parath         Non-human activity         0         0         0         0           © LA, Calacister Raman         Non-human activity         0         0         0         0           © MI, Saginav         Non-human activity         0         0         0         0           MI, Saginav         Non-human activity         0         0         0         0           MS, Elacise         Non-human activity         0         0 <td>IL, Will</td> <td>Non-human activity</td> <td>0</td> <td>0</td> <td>0</td>	IL, Will	Non-human activity	0	0	0
■ L. Woodford         Non-human activity         0         0         0         0           ■ K. Black Hawk         Non-human activity         0         0         0           ■ KS, Gray         Human infections         1         0         0           ■ KS, Johnson         Human infections         1         1         0           ■ LA, Calassien Parish         Non-human activity         0         0         0           ■ LA, Carachita Parish         Non-human activity         0         0         0           ■ MA, Korloik         Non-human activity         0         0         0           ■ MM, Kart         Non-human activity         0         0         0           ■ MM, Lapear         Human infections         1         1         1         0           ■ MS, Saignaw         Non-human activity         0         0         0         0           ■ MS, Alassian         Non-human activity         0         0         0         0           ■ MS, Alassian         Non-human activity         0         0         0         0           ■ MS, Lincoln         Non-human activity         0         0         0         0           ■ MS, Earnisco         Non-huma	<ul><li>IL, Williamson</li></ul>	Non-human activity	0	0	0
I Na, Black Hawk         Non-human activity         0         0         0           I KS, Groyy         Human infections         1         0         0           I KA, Calcasieu Parish         Non-human activity         0         0         0           I LA, Calcasieu Parish         Non-human activity         0         0         0           I LA, Calcasieu Parish         Non-human activity         0         0         0           MA, Mortok         Non-human activity         0         0         0           MM, Lapear         Human infections         1         1         1         0           MI, Lapear         Human infections         1         1         1         0           MI, Saginaw         Non-human activity         0         0         0         0           MM, Saginaw         Non-human activity         0         0         0         0           MM, Ancha         Non-human activity         0         0         0         0           MS, Sakson         Non-human activity         0         0         0         0           MS, Bank         Human infections and non-human activity         0         0         0         0           MS, Bank <td><ul><li>IL, Winnebago</li></ul></td> <td>Non-human activity</td> <td>0</td> <td>0</td> <td>0</td>	<ul><li>IL, Winnebago</li></ul>	Non-human activity	0	0	0
♠ KS, Grisy         Human infections         1         0         0           ♠ KS, Johnson         Human infections         1         1         0         0           ♠ KS, Johnson         Human infections         1         1         0         0           ♠ LA, Catasiau Pariah         Non-human activity         0         0         0         0           ♠ LA, Catasiau Pariah         Non-human activity         0         0         0         0           ♠ MA, Norfolk         Non-human activity         0         0         0         0           ♠ MI, Kent         Non-human activity         0         0         0         0           ♠ MI, Saginsw         Non-human activity         0         0         0         0           ♠ MI, Saginsw         Non-human activity         0         0         0         0           ♠ MS, Lincoln         Non-human activity         0         0         0         0           ♠ MS, Lincoln         Non-human activity         0         0         0         0           ♠ MS, Lincoln         Non-human activity         0         0         0         0           ♠ MS, Lincoln         Non-human activity         0         0	IL, Woodford	Non-human activity	0	0	0
♠ KS, Grisy         Human infections         1         0         0           ♠ KS, Johnson         Human infections         1         1         0         0           ♠ KS, Johnson         Human infections         1         1         0         0           ♠ LA, Catasiau Pariah         Non-human activity         0         0         0         0           ♠ LA, Catasiau Pariah         Non-human activity         0         0         0         0           ♠ MA, Norfolk         Non-human activity         0         0         0         0           ♠ MI, Kent         Non-human activity         0         0         0         0           ♠ MI, Saginsw         Non-human activity         0         0         0         0           ♠ MI, Saginsw         Non-human activity         0         0         0         0           ♠ MS, Lincoln         Non-human activity         0         0         0         0           ♠ MS, Lincoln         Non-human activity         0         0         0         0           ♠ MS, Lincoln         Non-human activity         0         0         0         0           ♠ MS, Lincoln         Non-human activity         0         0	IA, Black Hawk	Non-human activity	0	0	0
€ KS, Johnson         Human infections         1         1         0         0           € LA, Catalesieu Parish         Non-human activity         0         0         0         0           € LA, Casaleiu Parish         Non-human activity         0         0         0         0           € LA, Casaleiu Parish         Non-human activity         0         0         0         0           € MA, Forfolk         Non-human activity         0         0         0         0           € MI, Lapper         Human infections         1         1         0         0           € MI, Saginaw         Non-human activity         0         0         0         0           € MS, Clair         Non-human activity         0         0         0         0           € MS, Lancian         Non-human activity         0         0         0         0           € MS, Lancian         Non-human activity         0         0         0         0           € MS, Lincia         Non-human activity         0         0         0         0           € MS, Lincia         Non-human activity         0         0         0         0           € MS, Lincia         Non-human activity					0
■ LA, Calcasieu Parleh         Non-human activity         0         0         0           ■ LA, Casta Baton Rouge Parleh         Non-human activity         0         0         0           ■ LA, Cuschita Parleh         Non-human activity         0         0         0           ● MA, Norfolk         Non-human activity         0         0         0           ● MI, Kent         Non-human activity         0         0         0           ● MI, Sagnaw         Non-human activity         0         0         0           ● MI, St Clair         Non-human activity         0         0         0           ● MS, Harrison         Non-human activity         0         0         0           ● MS, Harrison         Non-human activity         0         0         0           ● MS, Harrison         Non-human activity         0         0         0           ● MS, Lincoln         Non-human activity         1         0         0           ● MS, Bankin         Human infections         1         1         0         0           ● MS, Douglas         Human infections         1         1         0         0           ● NE, Douglas         Human infections         1         0					
■ LA, East Baton Rouge Parish         Non-human activity         0         0         0           ■ LA, Cunchita Parish         Non-human activity         0         0         0           ■ MA, Norfolk         Non-human activity         0         0         0           ■ MI, Kent         Non-human activity         0         0         0           ■ MI, Saginaw         Non-human activity         0         0         0           ■ MI, Slotair         Non-human activity         0         0         0           ■ MS, Harrison         Non-human activity         0         0         0           ■ MS, Jarison         Non-human activity         0         0         0           ■ MS, Jarison         Non-human activity         0         0         0           ■ MS, Jarison         Non-human activity         0         0         0           ■ MS, Braikin         Human infections and non-human activity         1         0         0           ■ NE, Boson         Human infections         1         1         1         0           ■ NE, Douglas         Human infections         1         0         0         0           ■ NE, Lacaster         Human infections         1         0 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
■ LA, Ouachita Pariah         Non-human activity         0         0         0           MA, Nofolk         Non-human activity         0         0         0           MI, Kaper         Human infectons         1         1         0           MI, Saginaw         Non-human activity         0         0         0           MI, Sal Clair         Non-human activity         0         0         0           MS, Si Clair         Non-human activity         0         0         0           MS, Jackson         Non-human activity         0         0         0           MS, Jackson         Non-human activity         0         0         0           MS, Lincoln         Non-human activity         0         0         0           MS, Bankin         Human infections and non-human activity         1         0         0           MS, Boone         Human infections         1         1         0         0           NE, Douglas         Human infections         1         0         0         0           NE, Lucaster         Human infections         1         0         0         0           NJ, Gape May         Non-human activity         0         0         0	LA, Calcasieu Parish	Non-human activity	0	0	0
MA, Norfolk         Non-human activity         0         0         0           MI, Isnet         Non-human activity         0         0         0           MI, Lapeer         Human infections         1         1         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, Lincoton         Non-human activity         0         0         0           MS, Bankian         Human infections and non-human activity         0         0         0           MS, Bankian         Human infections and non-human activity         0         0         0           NE, Boone         Human infections         1         1         0         0           NE, Dawson         Non-human activity         0         0         0         0           NE, Logidas         Human infections and non-human activity         0         0         0         1           NE, Logidas         Human infections and non-human activity         0         0         0         0         0           NJ, Stantic	<ul> <li>LA, East Baton Rouge Parish</li> </ul>	Non-human activity	0	0	0
MI, Kert         Non-human activity         0         0         0         0           MI, Lapeer         Human infections         1         1         0           MI, St Clair         Non-human activity         0         0         0           MI, St Clair         Non-human activity         0         0         0           MN, Ancka         Non-human activity         0         0         0           MS, Harrison         Non-human activity         0         0         0           MS, Lackson         Non-human activity         0         0         0           MS, Blankin         Human infections and non-human activity         0         0         0           ME, Boone         Human infections         1         1         0         0           NE, Douglas         Human infections         1         0         0         1           NE, Lancaster         Human infections         1         0         0         0           NV, Clark         Non-human activity         0         0         0         0           NV, Clark         Non-human activity         0         0         0         0           NJ, Gloucester         Non-human activity         0	<ul><li>LA, Ouachita Parish</li></ul>	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, Rainkin         Human infections and non-human activity         0         0         0           ● NE, Davson         Human infections         1         1         0         0           ● NE, Dawson         Non-human activity         0         0         0         0           ● NE, Lancaster         Human infections         1         0         1         1           ● NE, Lancaster         Human activity         0         0         0         0           ● NJ, Allantic         Non-human activity         0         0         0         0           ● NJ, Bergen         Non-human activity	MA, Norfolk	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, Rainkin         Human infections and non-human activity         0         0         0           ● NE, Davson         Human infections         1         1         0         0           ● NE, Dawson         Non-human activity         0         0         0         0           ● NE, Lancaster         Human infections         1         0         1         1           ● NE, Lancaster         Human activity         0         0         0         0           ● NJ, Allantic         Non-human activity         0         0         0         0           ● NJ, Bergen         Non-human activity	MI, Kent	Non-human activity	0	0	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         0         0         0           ● MS. Bone         Human infections         1         1         0         0           ● NE, Bowson         Non-human activity         0         0         0         0           ● NE, Douglas         Human infections         1         0         1         1         0         0         0           ● NV. Clark         Non-human activity         0<			1	1	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, Stakson         Non-human activity         0         0         0           ● MS, Lincoln         Non-human activity         0         0         0           ● MS, Pankin         Human infections and non-human activity         0         0         0           ● NE, Boone         Human infections         1         1         0         0           ● NE, Boone         Human infections         1         1         0         0           ● NE, Douglas         Human infections and non-human activity         1         0         0         1           ● NE, Lancaster         Human infections         1         0         0         0         0           ● NE, Clark         Non-human activity         0         0         0         0         0           ● NJ, Allantic         Non-human activity         0         0         0         0         0           ● NJ, Gloucester         Non-human activity         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, Enklin         Human infections and non-human activity         1         0         0           ■ MS, Enklin         Human infections         1         1         0         0           ■ MS, Enklin         Human infections         1         1         0         0           ■ MS, Enklin         Human infections         1         1         0         0           ■ NE, Dawson         Non-human activity         0         0         0         0           ■ NE, Dawson         Non-human activity         1         0         1         1         0 <td></td> <td></td> <td></td> <td></td> <td></td>					
■ MS, Jackson         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           ■ MS, Borne         Human infections         1         1         0           ■ NE, Boore         Human infections         1         1         0           ■ NE, Douglas         Human infections and non-human activity         1         0         1           ■ NE, Lancaster         Human infections         1         0         0           ■ NY, Clark         Non-human activity         0         0         0           ■ NV, Clark         Non-human activity         0         0         0           ■ NJ, Bergen         Non-human activity         0         0         0           ■ NJ, Cape May         Non-human activity         0         0         0           ■ NJ, Gloucester         Non-human activity         0         0         0           ■ NJ, Hutserdon         Non-human activity         0         0         0 <tr< td=""><td></td><td></td><td>0</td><td></td><td>0</td></tr<>			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         0         0         0           ● MS, Boone         Human infections         1         1         0         0           ● NE, Boone         Human infections         1         1         0         0         0           ● NE, Douglas         Human infections and non-human activity         0	MN, Anoka	Non-human activity	0	0	0
● MS, Lincoln         Non-human activity         0         0         0           ● MS, Rankin         Human infections and non-human activity         0         0         0           ● MS, Bankin         Human infections         1         1         0         0           ● NE, Boone         Human infections         1         1         0         0         0           ● NE, Dawson         Non-human activity         0 </td <td>MS, Harrison</td> <td>Non-human activity</td> <td>0</td> <td>0</td> <td>0</td>	MS, Harrison	Non-human activity	0	0	0
● MS, Rankin         Human infections and non-human activity         1         0         0           ● MC, St Louis         Non-human activity         0         0         0           ● NE, Boone         Human infections         1         1         0           ● NE, Douglas         Human infections and non-human activity         1         0         1           ● NE, Douglas         Human infections         1         0         0         1           ● NE, Lancaster         Human infections         1         0         0         0           ● NY, Clark         Non-human activity         0         0         0         0           ● NY, Clark         Non-human activity         0         0         0         0           ● NJ, Bergen         Non-human activity         0         0         0         0           ● NJ, Cape May         Non-human activity         0         0         0         0           ● NJ, Essex         Non-human activity         0         0         0         0           ● NJ, Hudson         Non-human activity         0         0         0         0           ● NJ, Hunterdon         Non-human activity         0         0         0 <td< td=""><td>MS, Jackson</td><td>Non-human activity</td><td>0</td><td>0</td><td>0</td></td<>	MS, Jackson	Non-human activity	0	0	0
● MS, Rankin         Human infections and non-human activity         1         0         0           ● MC, St Louis         Non-human activity         0         0         0           ● NE, Boone         Human infections         1         1         0           ● NE, Douglas         Human infections and non-human activity         1         0         1           ● NE, Douglas         Human infections         1         0         0         1           ● NE, Lancaster         Human infections         1         0         0         0           ● NY, Clark         Non-human activity         0         0         0         0           ● NY, Clark         Non-human activity         0         0         0         0           ● NJ, Bergen         Non-human activity         0         0         0         0           ● NJ, Cape May         Non-human activity         0         0         0         0           ● NJ, Essex         Non-human activity         0         0         0         0           ● NJ, Hudson         Non-human activity         0         0         0         0           ● NJ, Hunterdon         Non-human activity         0         0         0 <td< td=""><td>MS, Lincoln</td><td>Non-human activity</td><td>0</td><td>0</td><td>0</td></td<>	MS, Lincoln	Non-human activity	0	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           NV, Clark         Non-human activity         0         0         0           NJ, Bergen         Non-human activity         0         0         0           NJ, Cape May         Non-human activity         0         0         0           NJ, Gloucester         Non-human activity         0         0         0           NJ, Hudson         Non-human activity         0         0         0           NJ, Hurlerdon         Non-human activity         0         0         0           NJ, Mercer         Non-human activity         0         0         0           NJ, Moris         Non-human activity         0         0         0           NJ, Morris         Non-hu			1	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, Hudson         Non-human activity         0         0         0           ● NJ, Hunterdon         Non-human activity         0         0         0           ● NJ, Middlesex         Non-human activity         0         0         0           ● NJ, Morris         Non-human activity         0         0         0           ● NJ, Morris         Non-human activity         0         0         0           ● NJ,					
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, Hudson         Non-human activity         0         0         0           NJ, Hunterdon         Non-human activity         0         0         0           NJ, Mercer         Non-human activity         0         0         0           NJ, Monmouth         Non-human activity         0         0         0           NJ, Morris         Non-human activity         0         0         0           NJ, Somerset         Non-human activity         0         0         0           NJ, Union         Non					
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, 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, 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	_				
● 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, 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		-	0	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, Huterdon         Non-human activity         0         0         0           ● NJ, Mercer         Non-human activity         0         0         0           ● NJ, Middlesex         Non-human activity         0         0         0           ● NJ, Morris         Non-human activity         0         0         0           ● NJ, Morris         Non-human activity         0         0         0           ● NJ, Somerset         Non-human activity         0         0         0           ● NJ, Union         Non-human activity         0         0         0	NE, Douglas	Human infections and non-human activity	1	0	1
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, 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	NE, Lancaster	Human infections	1	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, 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	NV, Clark	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, 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			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, 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, 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, Mornis         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, 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, 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, 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, Gloucester	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, Hudson	Non-human activity	0	0	0
NJ, Middlesex Non-human activity 0 0 0 0 0 NJ, Monmouth Non-human activity 0 0 0 0 0 0 NJ, Morris Non-human activity 0 0 0 0 0 0 NJ, Ocean Non-human activity 0 0 0 0 0 NJ, Somerset Non-human activity 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NJ, Hunterdon	Non-human activity	0	0	0
NJ, Middlesex Non-human activity 0 0 0 0 0 NJ, Monmouth Non-human activity 0 0 0 0 0 0 NJ, Morris Non-human activity 0 0 0 0 0 0 NJ, Ocean Non-human activity 0 0 0 0 0 NJ, Somerset Non-human activity 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			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, 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, Ocean Non-human activity 0 0 0 0 0 0 0 0 NJ, Somerset Non-human activity 0 0 0 0 0 0 0 0 NJ, Union Non-human activity 0 0 0 0 0					
NJ, Somerset Non-human activity 0 0 0 0 NJ, Union Non-human activity 0 0 0			0	0	0
NJ, Union Non-human activity 0 0	NJ, Ocean	Non-human activity	0	0	0
	NJ, Somerset	Non-human activity	0	0	0
		Non-human activity	0	0	0
-,					
	1.0, 1.0.1			-	-

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	•			0
	Non-human activity	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
		0		0
TX, Webb	Non-human activity		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

<sup>\*\*</sup>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

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.

SOURCES

#### **CONTENT SOURCE:**

National Center for Emerging and Zoonotic Infectious Diseases (NCEZID)