



2018 Summary of West Nile Virus Equine Cases in the United States

January 1 – December 31, 2018

This report is a descriptive summary of U.S. equine West Nile virus (WNV) cases reported to the United States Department of Agriculture (USDA) in 2018. The USDA Animal and Plant Health Inspection Service (APHIS) Veterinary Services (VS) branch collaborates with the U.S. Centers for Disease Control and Prevention (CDC) and State veterinary and public health officials to facilitate communication about arbovirus disease cases in horses and confirm equine cases in each State. CDC collects arbovirus case information using its ArboNET reporting system, an electronic surveillance and reporting system for tracking and reporting arboviral activity in humans and animals. During the transmission season, VS disseminates the equine case information to State animal health officials for confirmation and posts the number of confirmed cases to the USDA West Nile virus information Web site (<http://www.aphis.usda.gov/animal-health/equine-health>). Specific case definitions are also provided on this site. In this document, 'reported cases' of WNV may include presumptive positive and confirmed positive cases.

In 2018, **493** equine cases of WNV were reported from **42** States. Figure 1 shows the annual number of equine WNV cases reported in the United States from 2005 through 2018. Figure 2 shows the number of equine WNV cases in each State in 2018, and Table 1 provides the number of cases per county or parish in those States in 2018.

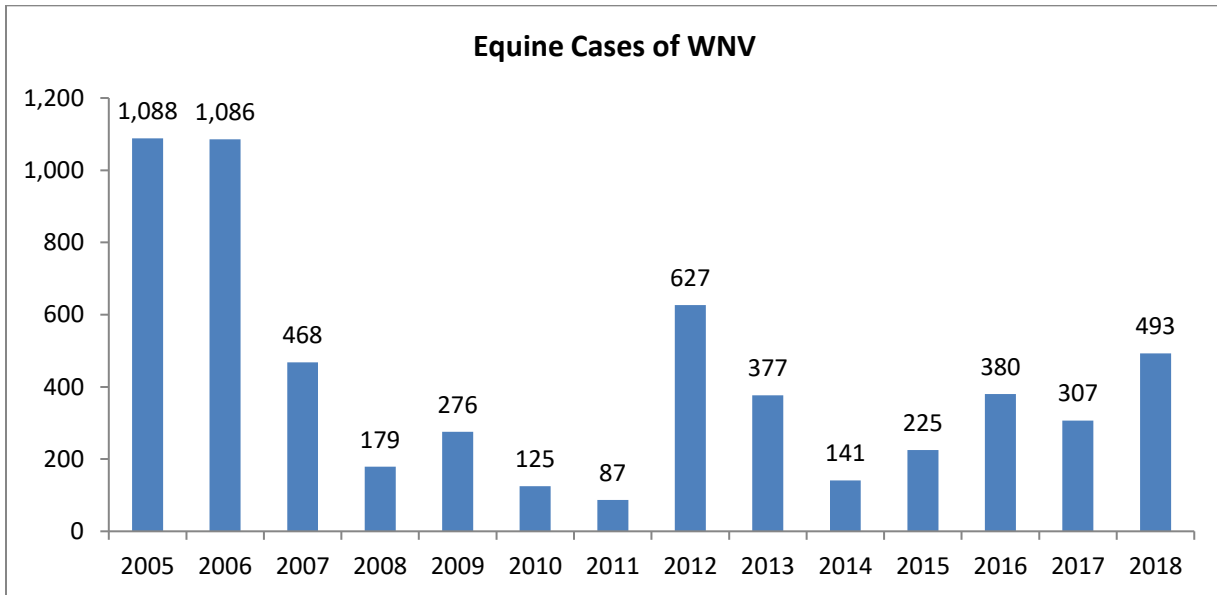


Figure 1. Reported U.S. equine cases of West Nile virus, 2005-2018

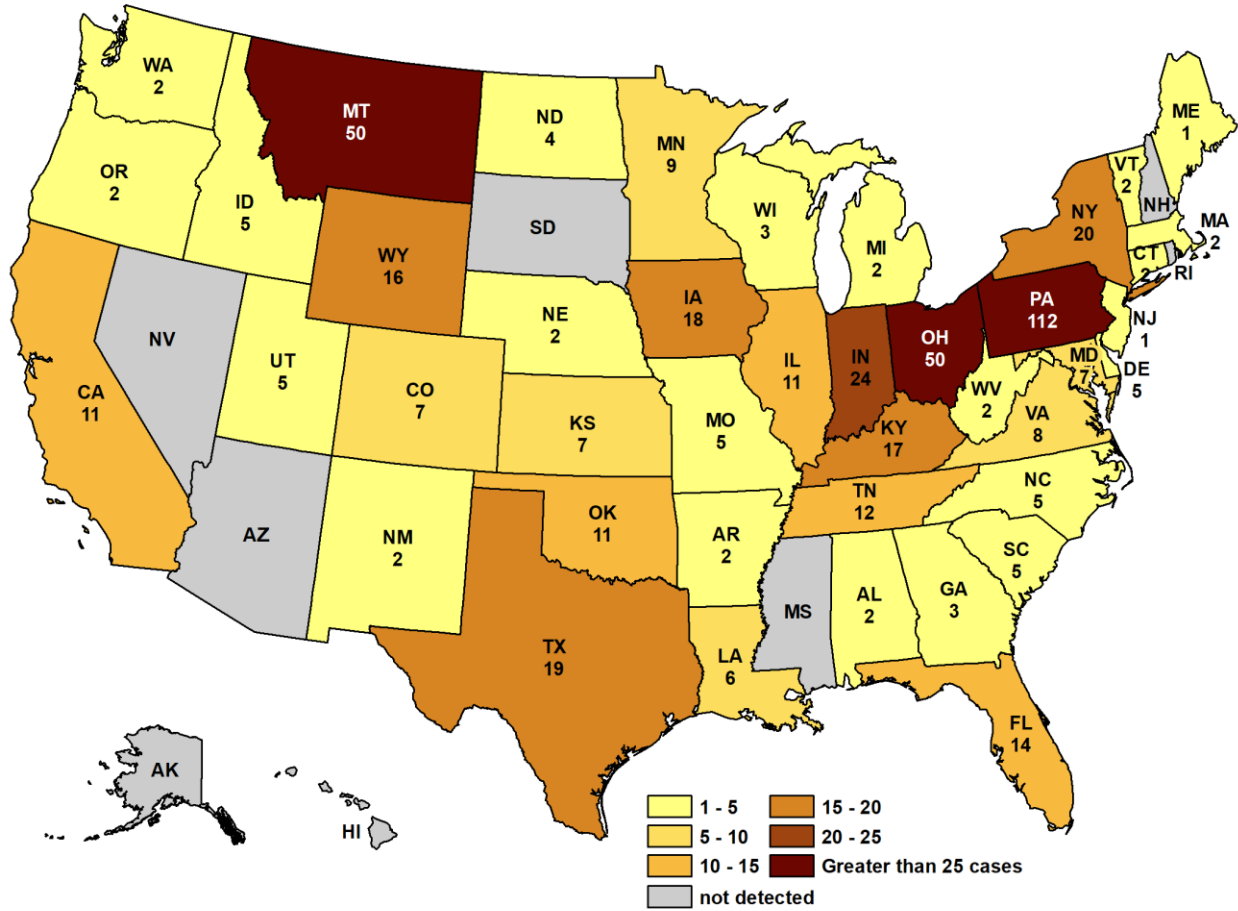


Figure 2. Distribution of reported equine WNV cases in 2018 (total cases)

Table 1. Reported equine WNV cases by State and county, 2018

State	County	West Nile Virus Reported Cases
Alabama	Dale County	1
	Macon County	1
	Total cases for Alabama	2
Arkansas	Franklin County	1
	Madison County	1
	Total cases for Arkansas	2
California	Amador County	1
	Kern County	1
	Mercer County	2
	Placer County	1

State	County	West Nile Virus Reported Cases
	Sacramento County	3
	San Joaquin County	1
	Shasta County	1
	Stanislaus County	1
Total cases for California		11
Colorado	Adams County	1
	El Paso County	2
	Larimer County	1
	Montrose County	1
	Weld County	2
Total cases for Colorado		7
Connecticut	Fairfield County	1
	Hartford County	1
Total cases for Connecticut		2
Delaware	Kent County	4
	New Castle County	1
Total cases for Delaware		5
Florida	Bradford County	1
	Gilchrist County	1
	Hamilton County	1
	Levy County	4
	Manatee County	1
	Marion County	4
	Osceola County	1
	Washington County	1
Total cases for Florida		14
Georgia	Brooks County	1
	Franklin County	1
	Hart County	1
Total cases for Georgia		3
Idaho	Bingham County	1
	Canyon County	1
	Clark County	1
	Jerome County	1
	Owyhee County	1

State	County	West Nile Virus Reported Cases
Total cases for Idaho		5
Illinois	Douglas County	5
	Moultrie County	2
	Piatt County	1
	Pike County	1
	Wayne County	2
Total cases for Illinois		11
Indiana	Adams County	14
	Harrison County	1
	Jay County	3
	Lake County	1
	Madison County	1
	Noble County	1
	Tippecanoe County	1
	Whitley County	2
Total cases for Indiana		24
Iowa	Bremer County	1
	Buchanan County	2
	Butler County	1
	Clay County	1
	Clinton County	1
	Howard County	1
	Mahaska County	1
	Marshall County	1
	Mitchell County	1
	Polk County	3
	Poweshiek County	1
	Union County	1
	Van Buren County	2
	Wapello County	1
	Total cases for Iowa	
Kansas	Butler County	1
	Leavenworth County	1
	Lyon County	1
	Marion County	1

State	County	West Nile Virus Reported Cases
	Neosho County	1
	Seward County	1
	Wichita County	1
Total cases for Kansas		7
Kentucky	Barren County	1
	Boyle County	1
	Carlisle County	1
	Fayette County	1
	Hardin County	1
	Harrison County	1
	Jackson County	1
	Lewis County	3
	Logan County	1
	Magoffin County	1
	Mercer County	1
	Pendleton County	1
	Rockcastle County	1
	Todd County	1
	Woodford County	1
Total cases for Kentucky		17
Louisiana	Ascension Parish	1
	Evangeline Parish	1
	Lafayette Parish	1
	St. Landry Parish	2
	St. Tammany Parish	1
Total cases for Louisiana		6
Maryland	Carroll County	2
	Frederick County	2
	Harford County	1
	Prince George	1
	Washington County	1
Total cases for Maryland		7
	Franklin County	1
	Hampshire County	1

State	County	West Nile Virus Reported Cases
Total cases for Massachusetts		2
Michigan	Gratiot County	1
	Muskegon County	1
Total cases for Michigan		2
Minnesota	Big Stone County	1
	Fillmore County	2
	Meeker County	1
	Pine County	1
	Polk County	1
	Sherburne County	1
	Todd County	1
	Waseca County	1
Total cases for Minnesota		9
Missouri	Cooper County	1
	Gentry County	1
	Laclede County	1
	Mercer County	1
	Pettis County	1
Total cases for Missouri		5
Montana	Beaverhead County	1
	Blaine County	1
	Broadwater County	2
	Carbon County	1
	Cascade County	14
	Fergus County	4
	Glacier County	1
	Golden Valley County	1
	Judith Basin County	1
	Lake County	4
	Lewis and Clark County	9
	Musselshell County	2
	Phillips County	1
	Pondera County	1
	Powder River County	1
Rosebud County	1	

State	County	West Nile Virus Reported Cases
	Sanders County	2
	Wheatland County	1
	Yellowstone County	2
Total cases for Montana		50
Nebraska	Cherry County	1
	Dakota County	1
Total cases for Nebraska		2
New Jersey	Burlington County	1
Total cases for New Jersey		1
New Mexico	Bernalillo County	1
	Guadalupe County	1
Total cases for New Mexico		2
New York	Cattaraugus County	1
	Chautauqua County	2
	Chenango County	2
	Erie County	1
	Genesee County	1
	Lewis County	1
	Livingston County	3
	Montgomery County	1
	Ontario County	1
	Orleans County	2
	Oswego County	1
	Steuben County	1
	Suffolk County	1
	Tompkins County	1
	Washington County	1
Total Cases for New York		20
North Carolina	Davie County	1
	Johnston County	1
	Pender County	1
	Surry County	1
	Yadkin County	1
Total cases for North Carolina		5

State	County	West Nile Virus Reported Cases
North Dakota	Emmons County	1
	Mercer County	1
	Williams County	2
Total cases for North Dakota		4
Ohio	Ashtabula County	3
	Carroll County	1
	Champaign County	1
	Coshocton County	2
	Cuyahoga County	1
	Geauga County	3
	Holmes County	20
	Knox County	1
	Licking County	1
	Lorain County	2
	Medina County	2
	Monroe County	1
	Pickaway County	1
	Seneca County	1
	Stark County	1
	Trumbull County	2
	Tuscarawas County	1
	Wayne County	5
	Wyandot County	1
Total for Ohio		50
Oklahoma	Bryan County	1
	Ellis County	1
	Garvin County	1
	Grady County	1
	Logan County	1
	Osage County	1
	Payne County	1
	Stephens County	1
	Wagoner County	1
Woodward County	2	
Total cases for Oklahoma		11

State	County	West Nile Virus Reported Cases
Oregon	Klamath County	2
Total cases for Oregon		2
Pennsylvania	Adams County	2
	Bedford County	1
	Berks County	1
	Blair County	2
	Bucks County	2
	Centre County	11
	Chester County	9
	Clearfield County	1
	Clinton County	6
	Columbia County	2
	Crawford County	1
	Cumberland County	3
	Dauphin County	3
	Erie County	1
	Franklin County	1
	Fulton County	1
	Huntingdon County	2
	Juniata County	6
	Lancaster County	12
	Lebanon County	2
	Luzerne County	1
	Lycoming County	3
	Mifflin County	20
Montgomery County	4	
Montour County	1	
Northumberland County	6	
Union County	7	
Washington County	1	
Total cases for Pennsylvania		112
South Carolina	Anderson County	2
	Chesterfield County	1
	Saluda County	1
	Spartanburg County	1

State	County	West Nile Virus Reported Cases
Total cases for South Carolina		5
South Dakota	Brule County	1
Total cases for South Dakota		1
Tennessee	Bradley County	1
	Cumberland County	1
	Jefferson County	1
	Loudon County	1
	McMinn County	1
	Monroe County	1
	Rutherford County	1
	Sullivan County	1
	Warren County	2
	Washington County	2
Total cases for Tennessee		12
Texas	Cooke County	1
	Dallas County	2
	Deaf Smith County	1
	Denton County	2
	Hansford County	1
	Harris County	1
	Hidalgo County	1
	Hunt County	1
	Jones County	2
	Lavaca County	1
	Mason County	1
	Montague County	1
	Randall County	1
	Tarrant County	1
	Taylor County	1
	Wichita County	1
Total cases for Texas		19
Utah	Cache County	2
	Duchesne County	1
	Kane County	1
	Salt Lake County	1

State	County	West Nile Virus Reported Cases
Total cases for Utah		5
Vermont	Lamoille County	1
	Windham County	1
Total cases for Vermont		2
Virginia	Clarke County	1
	Fauquier County	1
	Loudoun County	1
	Page County	1
	Prince George County	1
	Rappahannock County	1
	Smyth County	1
	Warren County	1
Total cases for Virginia		8
Washington	Grant County	1
	Stevens County	1
Total cases for Washington		2
West Virginia	Berkeley County	1
	Fayette County	1
Total cases for West Virginia		2
Wisconsin	Barron County	1
	Dunn County	1
	Winnebago County	1
Total cases for Wisconsin		3
Wyoming	Campbell County	4
	Carbon County	1
	Fremont County	3
	Johnson County	1
	Lincoln County	1
	Park County	3
	Sheridan County	2
	Weston County	1
Total cases for Wyoming		16
Total Reported West Nile Virus Equine Cases for the United States		493

