



Animal and Plant
Health Inspection
Service

Veterinary
Services

June 2017

2016 Summary of West Nile Virus Equine Cases in the United States

January 1 – December 31, 2016

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 2016. 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 2016, **380** equine cases of WNV were reported from **33** States. Figure 1 shows the annual number of equine WNV cases reported in the United States from 2003 through 2016. Figure 2 shows the number of equine WNV cases in each State in 2016, and Table 1 provides the number of cases per county or parish in those States in 2016.

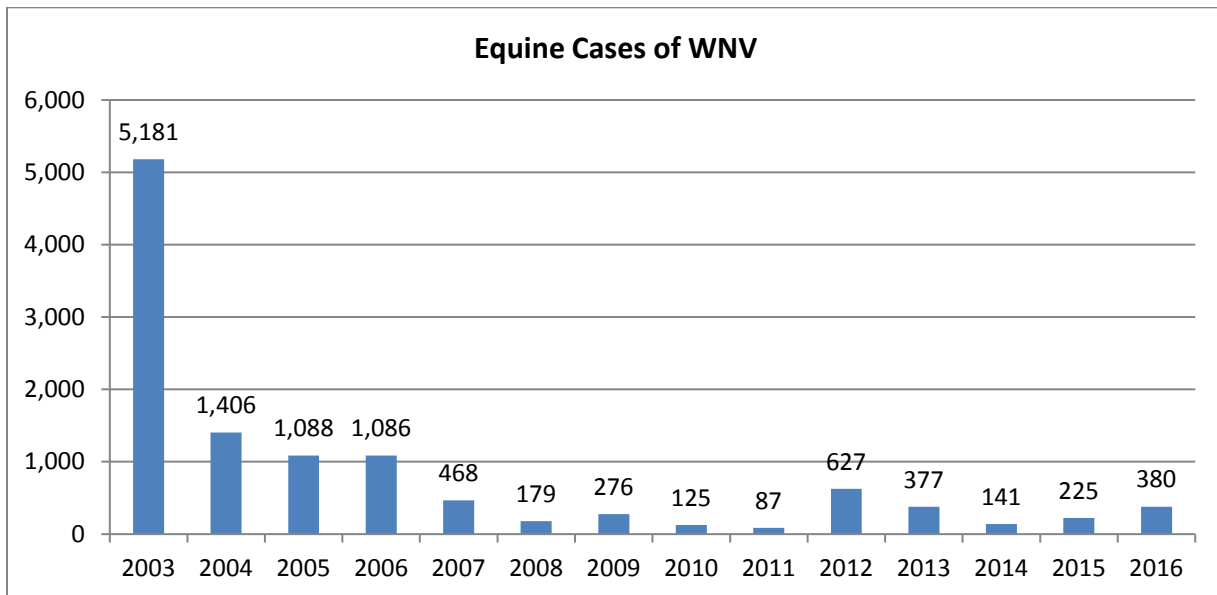


Figure 1. Reported U.S. equine cases of West Nile virus, 2003-2016

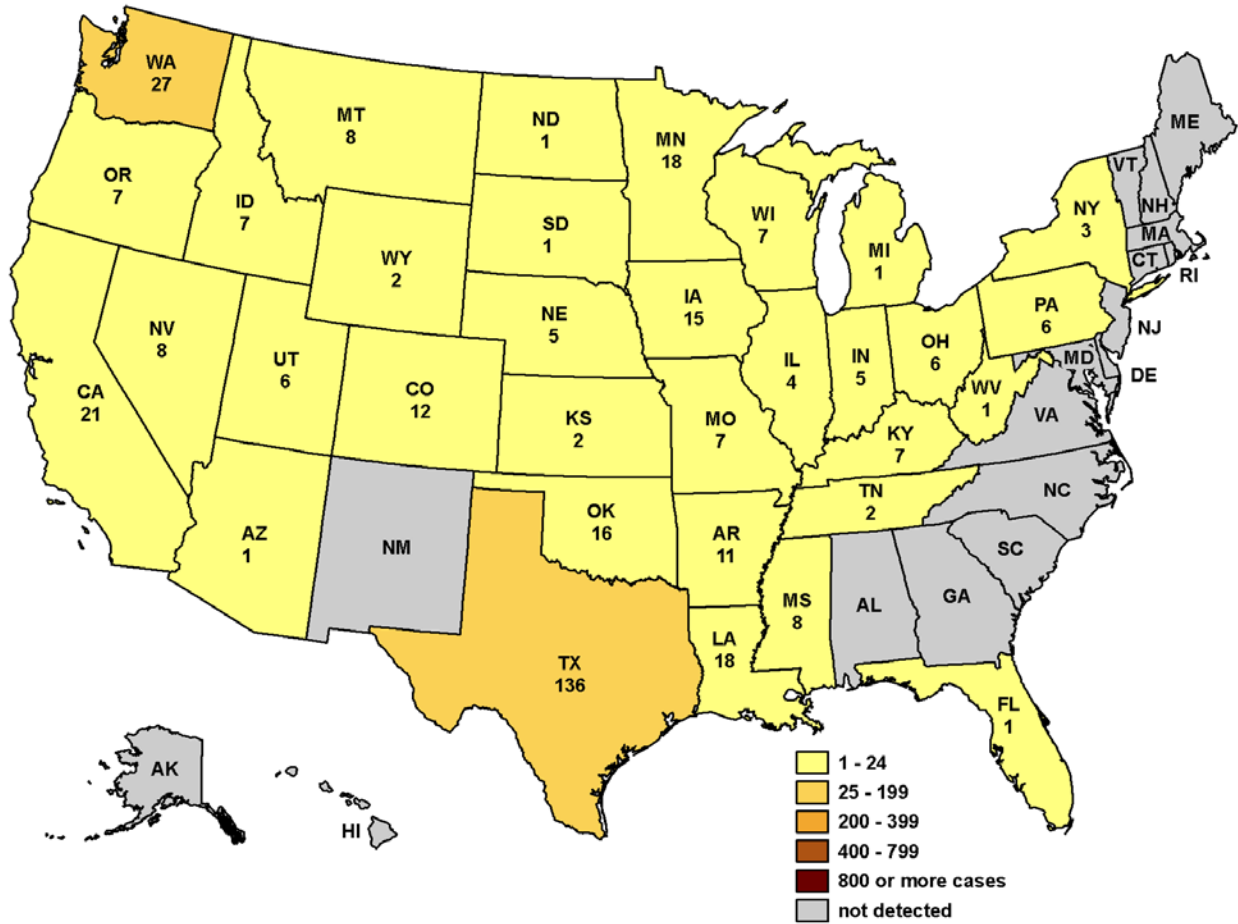


Figure 2. Distribution of reported equine WNV cases in 2016 (380 total cases)

Table 1. Reported equine WNV cases by State and county, 2016

State	County	West Nile Virus Reported Cases
Arkansas	Columbia County	2
	Conway County	1
	Drew County	2
	Faulkner County	1
	Hot Spring County	1
	Ouachita County	1
	Perry County	1
	Polk County	1
	Saline County	1
Total cases for Arkansas		11
Arizona	Cochise County	1
Total cases for Arizona		1
California	Calaveras County	1

2016 Summary of West Nile Virus Equine Cases in the United States

	Fresno County	2
	Merced County	1
	Riverside County	1
	Sacramento County	3
	San Diego County	1
	San Joaquin County	7
	Shasta County	1
	Sutter County	2
	Ventura County	2
Total cases for California		21
Colorado	Adams County	1
	La Plata County	2
	Larimer County	4
	Mesa County	1
	Pueblo County	1
	Weld County	3
Total cases for Colorado		12
Florida	Osceola County	1
Total cases for Florida		1
Idaho	Bonner County	2
	Boundary County	2
	Gooding County	1
	Payette County	2
Total cases for Idaho		7
Illinois	Coles County	1
	Jo Daviess County	1
	Mercer County	1
	Moultrie County	1
Total cases for Illinois		4
Indiana	Adams County	2
	Clinton County	1
	Elkhart County	2
Total cases for Indiana		5
Iowa	Crawford County	1
	Floyd County	1
	Franklin County	1
	Hardin County	1
	Harrison County	1
	Jefferson County	1
	Johnson County	2

	Pottawattamie County	1
	Sioux County	1
	Van Buren County	1
	Washington County	3
	Webster County	1
Total cases for Iowa		15
Kansas	Sedgwick County	1
	Sumner County	1
Total cases for Kansas		2
Kentucky	Barren County	1
	Bourbon County	1
	Hardin County	1
	Hart County	1
	Logan County	1
	Powell County	1
	Union County	1
Total cases for Kentucky		7
Louisiana	Avoyelles Parish	1
	Bossier Parish	1
	Caddo Parish	2
	De Soto Parish	3
	Evangeline Parish	1
	Iberia Parish	1
	Iberville Parish	1
	Ouachita Parish	1
	Rapides Parish	3
	St. Landry Parish	1
	Tangipahoa Parish	1
	Vermilion Parish	1
	Webster Parish	1
Total cases for Louisiana		18
Michigan	Calhoun County	1
Total cases for Michigan		1
Minnesota	Becker County	1
	Chisago County	1
	Clearwater County	1
	Goodhue County	1
	Hennepin County	1
	Kanabec County	2
	Marshall County	1

2016 Summary of West Nile Virus Equine Cases in the United States

	Mille Lacs County	1
	Morrison County	1
	Mower County	1
	Olmsted County	1
	Polk County	1
	Renville County	1
	Sibley County	1
	Todd County	2
	Winona County	1
Total cases for Minnesota		18
Mississippi	Claiborne County	1
	Hinds County	1
	Kemper County	1
	Lincoln County	1
	Neshoba County	1
	Rankin County	1
	Scott County	1
	Simpson County	1
Total cases for Mississippi		8
Missouri	Audrain County	1
	Bates County	1
	Boone County	1
	Johnson County	1
	Pettis County	1
	Vernon County	1
	Webster County	1
Total cases for Missouri		7
Montana	Big Horn County	1
	Carbon County	2
	Cascade County	1
	Dawson County	1
	Ravalli County	1
	Valley County	1
	Yellowstone County	1
Total cases for Montana		8
Nebraska	Cherry County	2
	Garden County	1
	Saunders County	1
	Seward County	1
Total cases for Nebraska		5

2016 Summary of West Nile Virus Equine Cases in the United States

Nevada	Churchill County	2
	Clark County	1
	Elko County	5
Total cases for Nevada		8
North Dakota	Burleigh County	1
Total cases for North Dakota		1
New York	Cayuga County	1
	St. Lawrence County	1
	Suffolk County	1
Total cases for New York		3
Ohio	Pickaway County	1
	Stark County	1
	Tuscarawas County	4
Total for Ohio		6
Oklahoma	Atoka County	4
	Beckham County	1
	Carter County	1
	Choctaw County	1
	Jackson County	1
	McCurtain County	3
	Muskogee County	1
	Payne County	1
	Sequoyah County	1
	Stephens County	1
	Woods County	1
Total cases for Oklahoma		16
Oregon	Deschutes County	1
	Klamath County	1
	Malheur County	2
	Umatilla County	3
Total cases for Oregon		7
Pennsylvania	Centre County	2
	Lancaster County	3
	Mifflin County	1
Total cases for Pennsylvania		6
South Dakota	Butte County	1
Total cases for South Dakota		1
Tennessee	Gibson County	1
	Moore County	1
Total cases for Tennessee		2

2016 Summary of West Nile Virus Equine Cases in the United States

Texas	Anderson County	1
	Archer County	1
	Austin County	3
	Bastrop County	2
	Bowie County	5
	Brazoria County	2
	Brazos County	2
	Burleson County	2
	Burnet County	1
	Caldwell County	1
	Camp County	1
	Cass County	2
	Cherokee County	3
	Coke County	1
	Collin County	1
	Comanche County	1
	Cooke County	1
	Denton County	3
	Eastland County	1
	Ector County	1
	Erath County	4
	Fayette County	2
	Franklin County	2
	Freestone County	3
	Galveston County	1
	Grayson County	1
	Gregg County	1
	Grimes County	4
	Guadalupe County	1
	Harris County	4
	Harrison County	1
	Hays County	1
	Henderson County	2
	Hopkins County	3
	Houston County	1
	Hunt County	2
	Jasper County	2
	Lamar County	1
	Lavaca County	1
	Lee County	1

2016 Summary of West Nile Virus Equine Cases in the United States

Leon County	1
Limestone County	1
Madison County	1
McLennan County	1
McMullen County	1
Montgomery County	4
Morris County	4
Nacogdoches County	3
Navarro County	1
Palo Pinto County	1
Parker County	1
Polk County	1
Randall County	1
Robertson County	2
Rockwall County	1
San Jacinto County	3
Shelby County	1
Smith County	5
Stonewall County	1
Tarrant County	2
Taylor County	1
Throckmorton County	1
Titus County	2
Tom Green County	1
Travis County	1
Trinity County	2
Upshur County	3
Van Zandt County	2
Victoria County	1
Waller County	7
Washington County	3
Wichita County	1
Williamson County	1
Wood County	1
Total cases for Texas	136
Utah	
Box Elder County	1
Duchesne County	2
Uintah County	3
Total cases for Utah	6
Washington	
Benton County	1

2016 Summary of West Nile Virus Equine Cases in the United States

	Franklin County	1
	Grant County	1
	Kittitas County	1
	Lincoln County	2
	Okanogan County	4
	Pend Oreille County	2
	Spokane County	8
	Stevens County	6
	Yakima County	1
Total cases for Washington		27
Wisconsin	Clark County	4
	Jefferson County	1
	Rusk County	1
	St. Croix County	1
Total cases for Wisconsin		7
West Virginia	Mineral County	1
Total cases for West Virginia		1
Wyoming	Campbell County	1
	Fremont County	1
Total cases for Wyoming		2
Total Reported West Nile Virus Equine Cases for the United States		380