



2017 Summary of West Nile Virus Equine Cases in the United States

January 1 – December 31, 2017

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 2017. 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 2017, **307** equine cases of WNV were reported from **39** States. Figure 1 shows the annual number of equine WNV cases reported in the United States from 2004 through 2017. Figure 2 shows the number of equine WNV cases in each State in 2017, and Table 1 provides the number of cases per county or parish in those States in 2017.

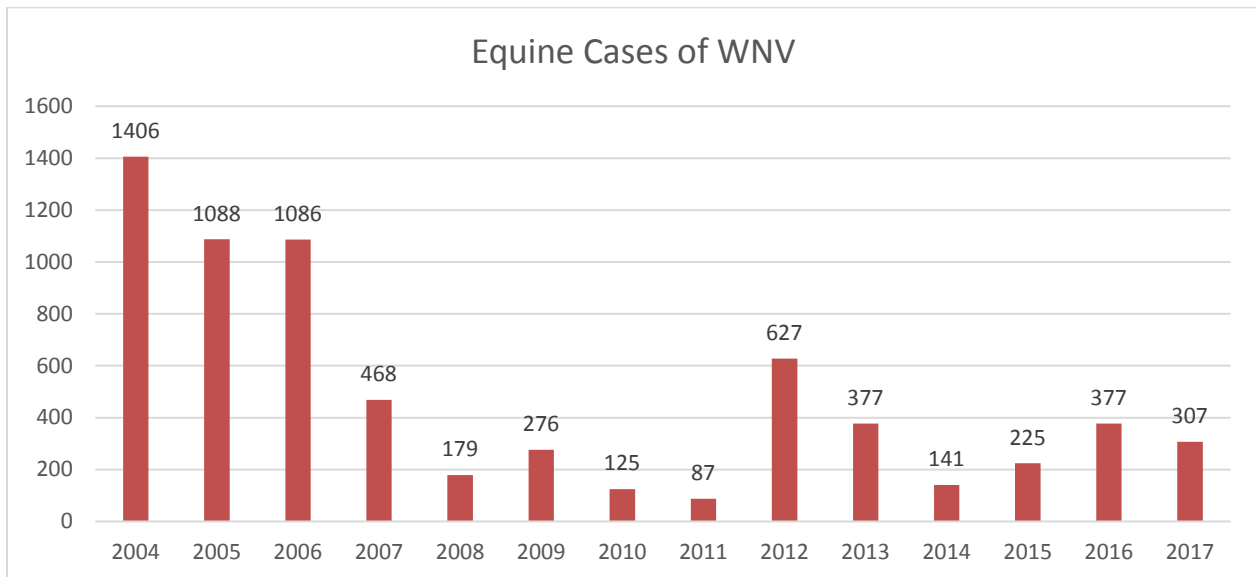


Figure 1. Reported U.S. equine cases of West Nile virus, 2004-2017

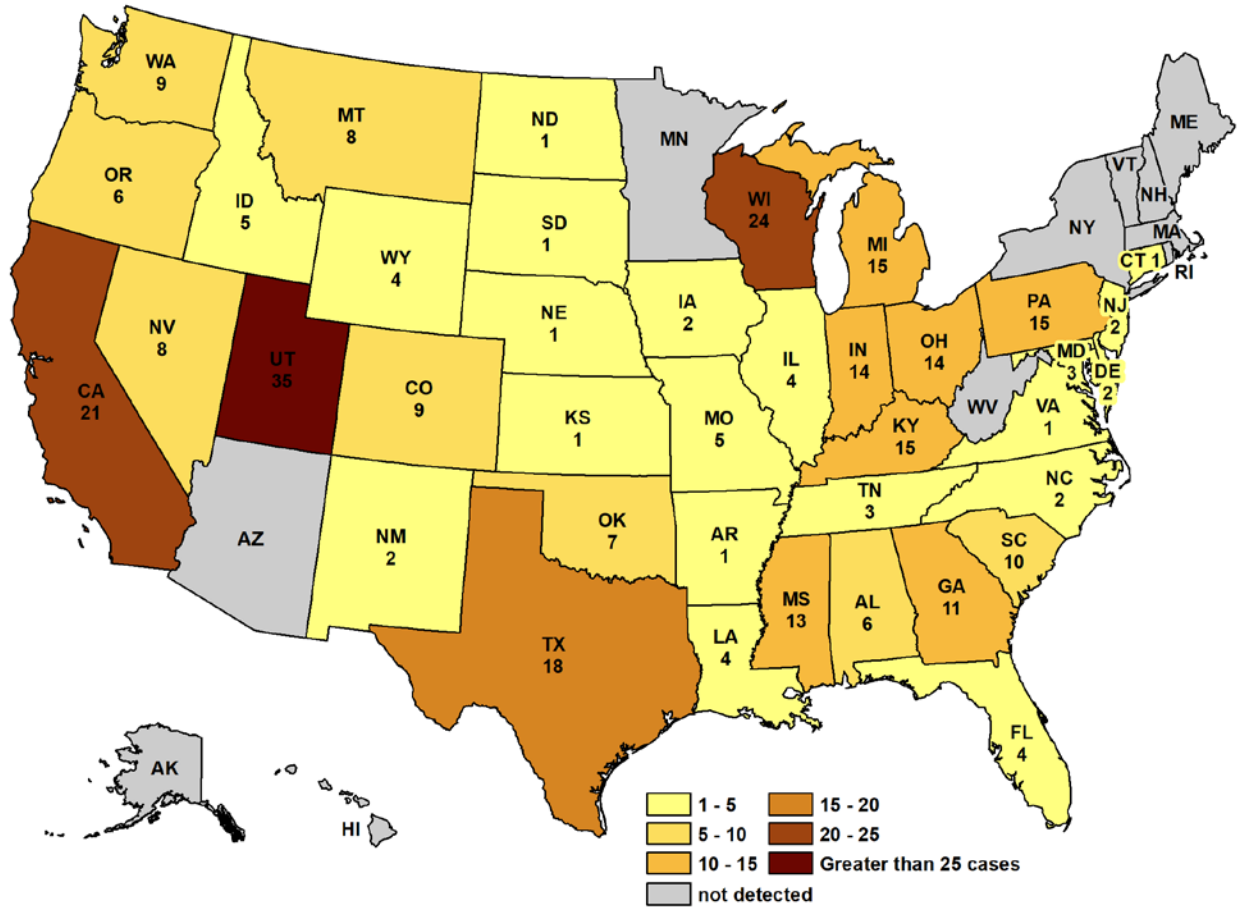


Figure 2. Distribution of reported equine WNV cases in 2017 (307 total cases)

Table 1. Reported equine WNV cases by State and county, 2017

| State | County | West Nile Virus Reported Cases |
|---------------------------------|--------------------------------|--------------------------------|
| Alabama | Blount County | 1 |
| | Chilton County | 1 |
| | Clay County | 1 |
| | Elmore County | 1 |
| | Lamar County | 1 |
| | Lee County | 1 |
| | Total cases for Alabama | |
| Arkansas | Bradley County | 1 |
| Total cases for Arkansas | | 1 |
| California | Contra Costa County | 1 |
| | Fresno County | 1 |
| | Glenn County | 2 |

| State | County | West Nile Virus Reported Cases |
|------------------------------------|--------------------|--------------------------------|
| | Kern County | 2 |
| | Lassen County | 3 |
| | Los Angeles County | 1 |
| | Plumas County | 1 |
| | Riverside County | 4 |
| | Sacramento County | 1 |
| | San Diego County | 1 |
| | San Joaquin County | 2 |
| | Tehama County | 1 |
| | Tuolumne County | 1 |
| Total cases for California | | 21 |
| Colorado | Boulder County | 1 |
| | Larimer County | 3 |
| | Lincoln County | 1 |
| | Mesa County | 1 |
| | Montezuma County | 1 |
| | Weld County | 1 |
| | Yuma | 1 |
| Total cases for Colorado | | 9 |
| Connecticut | Fairfield County | 1 |
| Total cases for Connecticut | | 1 |
| Delaware | Kent County | 2 |
| Total cases for Delaware | | 2 |
| Florida | Bay County | 1 |
| | Collier County | 1 |
| | Jackson County | 1 |
| | Palm Beach County | 1 |
| Total cases for Florida | | 4 |
| Georgia | Brantley County | 1 |
| | Carroll County | 1 |
| | Coweta County | 1 |
| | Elbert County | 1 |
| | Gordon County | 1 |
| | Laurens County | 1 |
| | Pike County | 1 |
| | Richmond County | 1 |
| | Screven County | 1 |
| | Walker County | 1 |

| State | County | West Nile Virus Reported Cases |
|---------------------------------|-------------------|--------------------------------|
| | Worth County | 1 |
| Total cases for Georgia | | 11 |
| Idaho | Ada County | 1 |
| | Bonner County | 1 |
| | Jerome County | 1 |
| | Owyhee County | 1 |
| | Payette County | 1 |
| Total cases for Idaho | | 5 |
| Illinois | Jackson County | 1 |
| | Kane County | 1 |
| | McHenry County | 1 |
| | Williamson County | 1 |
| Total cases for Illinois | | 4 |
| Indiana | Adams County | 5 |
| | Elkhart County | 3 |
| | Franklin County | 1 |
| | Hancock County | 1 |
| | Lagrange County | 3 |
| | Whitley County | 1 |
| Total cases for Indiana | | 13 |
| Iowa | Ida County | 1 |
| | Worth County | 1 |
| Total cases for Iowa | | 2 |
| Kansas | Reno County | 1 |
| Total cases for Kansas | | 1 |
| Kentucky | Adair County | 2 |
| | Bourbon County | 1 |
| | Franklin County | 1 |
| | Garrard County | 1 |
| | Graves County | 1 |
| | Hardin County | 1 |
| | Hart County | 1 |
| | Johnson County | 1 |
| | Menifee County | 1 |
| | Metcalfe County | 1 |
| | Pulaski County | 1 |
| | Russell County | 3 |
| Total cases for Kentucky | | 15 |

| State | County | West Nile Virus Reported Cases |
|------------------------------------|--------------------|--------------------------------|
| Louisiana | Lafayette Parish | 1 |
| | Morehouse Parish | 1 |
| | Sabine Parish | 1 |
| | St. Tammany Parish | 1 |
| Total cases for Louisiana | | 4 |
| Maryland | Cecil County | 1 |
| | Charles County | 1 |
| | Harford County | 1 |
| Total cases for Maryland | | 3 |
| Michigan | Clinton County | 1 |
| | Delta County | 1 |
| | Hillsdale County | 1 |
| | Jackson County | 1 |
| | Livingston County | 1 |
| | Mecosta County | 1 |
| | Midland County | 1 |
| | Missaukee County | 1 |
| | Montcalm County | 1 |
| | Osceola County | 1 |
| | Ottawa County | 1 |
| | Roscommon County | 1 |
| | St. Joseph County | 1 |
| | Wexford County | 2 |
| Total cases for Michigan | | 15 |
| Mississippi | Itawamba County | 1 |
| | Kemper County | 1 |
| | Lafayette County | 1 |
| | Lee County | 1 |
| | Neshoba County | 1 |
| | Noxubee County | 1 |
| | Pontotoc County | 1 |
| | Rankin County | 1 |
| | Scott County | 2 |
| Winston | 3 | |
| Total cases for Mississippi | | 13 |
| Missouri | Cedar County | 1 |
| | Lincoln County | 1 |
| | Morgan County | 1 |

| State | County | West Nile Virus Reported Cases |
|---------------------------------------|----------------------|--------------------------------|
| | Randolph County | 1 |
| | Scott County | 1 |
| Total cases for Missouri | | 5 |
| Montana | Cascade County | 1 |
| | Golden Valley County | 1 |
| | Lake County | 2 |
| | Sanders County | 3 |
| | Yellowstone County | 1 |
| Total cases for Montana | | 8 |
| Nebraska | Keith County | 1 |
| Total cases for Nebraska | | 1 |
| Nevada | Elko County | 1 |
| | Humboldt County | 1 |
| | Lyon County | 4 |
| | Washoe County | 2 |
| Total cases for Nevada | | 8 |
| New Jersey | Gloucester County | 1 |
| | Salem County | 1 |
| Total cases for New Jersey | | 2 |
| New Mexico | San Juan County | 2 |
| Total cases for New Mexico | | 2 |
| North Carolina | Columbus County | 1 |
| | Vance County | 1 |
| Total cases for North Carolina | | 2 |
| North Dakota | Traill County | 1 |
| Total cases for North Dakota | | 1 |
| Ohio | Ashland County | 1 |
| | Ashtabula County | 1 |
| | Columbiana County | 2 |
| | Holmes County | 1 |
| | Licking County | 1 |
| | Logan County | 2 |
| | Trumbull County | 1 |
| | Tuscarawas County | 1 |
| | Wayne County | 4 |
| Total for Ohio | | 14 |
| Oklahoma | Garvin County | 2 |
| | Kay County | 1 |

| State | County | West Nile Virus Reported Cases |
|---------------------------------------|--------------------|--------------------------------|
| | Logan County | 1 |
| | McClain County | 1 |
| | Muskogee County | 2 |
| Total cases for Oklahoma | | 7 |
| Oregon | Harney County | 5 |
| | Malheur County | 1 |
| Total cases for Oregon | | 6 |
| Pennsylvania | Cumberland County | 2 |
| | Franklin County | 3 |
| | Lancaster County | 1 |
| | Mifflin County | 4 |
| | Snyder County | 2 |
| | Union County | 1 |
| | Washington County | 1 |
| | York County | 1 |
| Total cases for Pennsylvania | | 15 |
| South Carolina | Berkeley County | 1 |
| | Charleston County | 1 |
| | Cherokee County | 1 |
| | Colleton County | 3 |
| | Greenwood County | 1 |
| | Horry County | 1 |
| | Orangeburg County | 1 |
| | Spartanburg County | 1 |
| Total cases for South Carolina | | 10 |
| South Dakota | Brule County | 1 |
| Total cases for South Dakota | | 1 |
| Tennessee | Cheatham County | 1 |
| | Knox County | 1 |
| | Monroe County | 1 |
| Total cases for Tennessee | | 3 |
| Texas | Bastrop County | 1 |
| | Brazos County | 1 |
| | Briscoe County | 1 |
| | Dickens County | 1 |
| | Fort Bend County | 1 |
| | Gillespie County | 1 |
| | Harris County | 1 |

| State | County | West Nile Virus Reported Cases |
|-----------------------------------|-------------------|--------------------------------|
| | Liberty County | 1 |
| | Lubbock County | 1 |
| | Palo Pinto County | 1 |
| | Parker County | 1 |
| | Randall County | 5 |
| | Refugio County | 1 |
| | Terry County | 1 |
| Total cases for Texas | | 18 |
| Utah | Beaver County | 1 |
| | Box Elder County | 4 |
| | Cache County | 3 |
| | Carbon County | 2 |
| | Davis County | 1 |
| | Duchesne County | 5 |
| | Juab County | 1 |
| | Morgan County | 1 |
| | Salt Lake County | 2 |
| | Sevier County | 1 |
| | Tooele County | 3 |
| | Uintah County | 2 |
| | Utah | 7 |
| | Weber County | 2 |
| Total cases for Utah | | 35 |
| Virginia | Wythe County | 1 |
| Total cases for Virginia | | 1 |
| Washington | Benton County | 1 |
| | Kittitas County | 1 |
| | Lincoln County | 1 |
| | Spokane County | 6 |
| Total cases for Washington | | 9 |
| Wisconsin | Adams County | 1 |
| | Calumet County | 1 |
| | Clark County | 4 |
| | Dane County | 1 |
| | Dodge County | 1 |
| | Green Lake County | 2 |
| | Jackson County | 1 |
| | Jefferson County | 1 |

| State | County | West Nile Virus Reported Cases |
|--|------------------|---------------------------------------|
| | Langlade County | 1 |
| | Monroe County | 1 |
| | Oneida County | 1 |
| | Outagamie County | 2 |
| | Racine County | 1 |
| | Sauk County | 1 |
| | St. Croix County | 2 |
| | Vernon County | 1 |
| | Waukesha County | 2 |
| Total cases for Wisconsin | | 24 |
| Wyoming | Campbell County | 1 |
| | Fremont County | 2 |
| | Johnson County | 1 |
| Total cases for Wyoming | | 4 |
| Total Reported West Nile Virus Equine Cases for the United States | | 307 |