Animal and Plant
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2019 Summary of West Nile Virus Equine Cases in the United States

January 1 – December 31, 2019

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 2019. 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 (https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/animal-disease-information/equine). 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 2019, **90** equine cases of WNV were reported from **25** States. Figure 1 shows the annual number of equine WNV cases reported in the United States from 2006 through 2019. Figure 2 shows the number of equine WNV cases in each State in 2019, and Table 1 provides the number of cases per county or parish in those States in 2019.
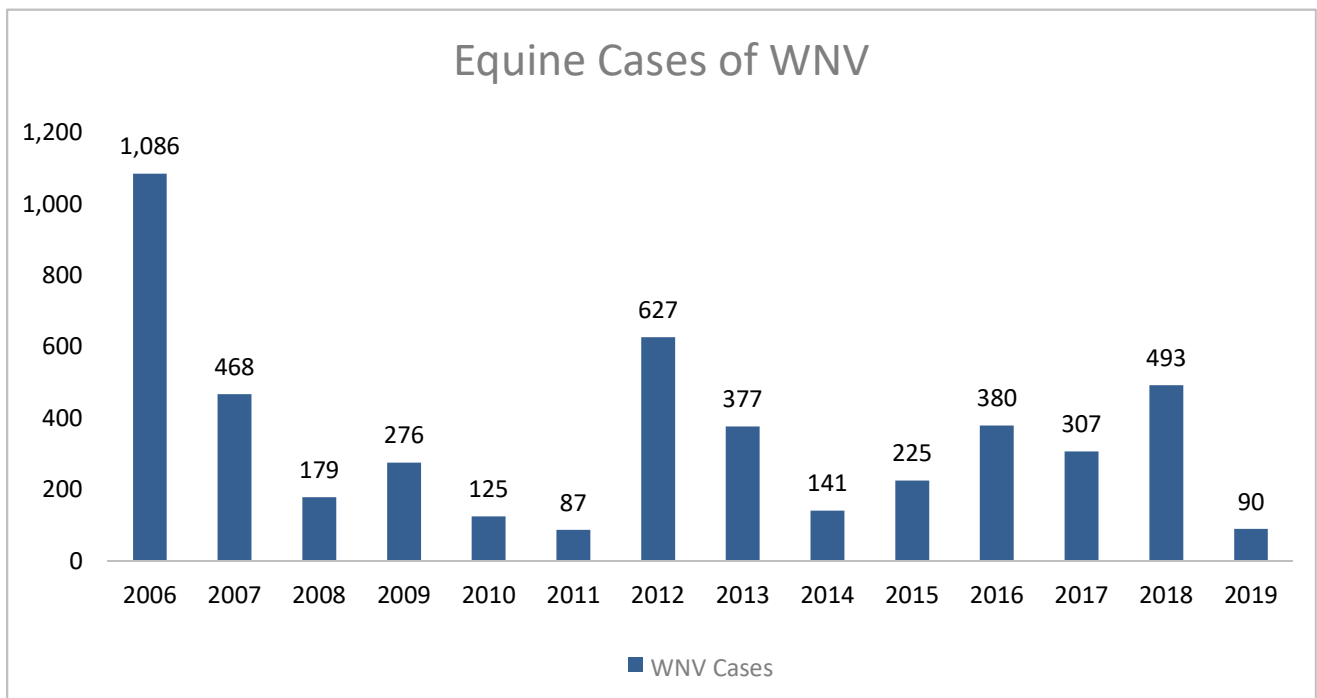

Equine Cases of WNV

Figure 1. Reported U.S. equine cases of West Nile virus, 2006-2019

Legend:
- 1
- 2
- 3 - 4
- 5 - 7
- 8 - 10
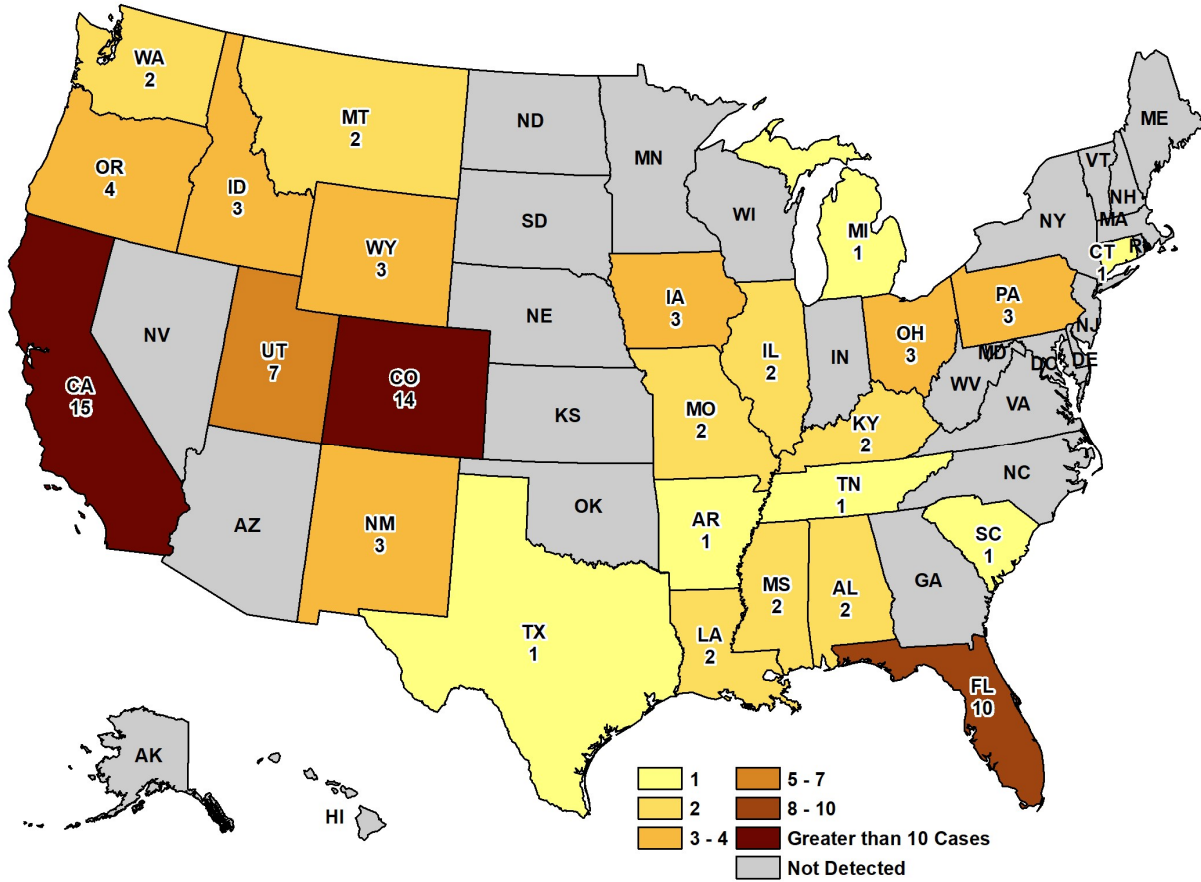- Greater than 10 Cases
- Not Detected

Figure 2. Distribution of reported equine WNV cases in 2019 (90 total cases)

Table 1. Number of reported equine WNV cases by State and county, 2019

State	County	West Nile Virus Reported Cases
Alabama	Marshall County	1
	Mobile County	1
Total cases for Alabama		**2**
Arkansas	Columbia County	1
Total cases for Arkansas		**1**
California	Fresno County	2
	Kern County	2
	Madera County	2
	Merced County	1
	Riverside County	1

State	County	West Nile Virus Reported Cases
	Sacramento County	1
	San Bernardino County	1
	San Joaquin County	1
	Stanislaus County	2
	Tuolumne County	1
	Ventura County	1
Total cases for California		**15**
Colorado	Adams County	1
	Garfield County	3
	Larimer County	1
	Las Animas County	1
	Mesa County	1
	Montrose County	1
	Pueblo County	1
	Rio Blanco County	2
	Weld County	3
Total cases for Colorado		**14**
Connecticut	Fairfield County	1
Total cases for Connecticut		**1**
Florida	Brevard County	1
	Broward County	1
	Citrus County	1
	Lake County	1
	Madison County	1
	Osceola County	1
	Palm Beach County	1
	St. Johns County	2
	Volusia County	1
Total cases for Florida		**10**
Iowa	Davis County	1
	Mitchell County	1
	Union County	1
Total cases for Iowa		**3**
Idaho	Canyon County	1
	Payette County	1
	Twin Falls County	1
Total cases for Idaho		**3**

State	County	West Nile Virus Reported Cases
Illinois	Marion County	1
	Wayne County	1
Total cases for Illinois		**2**
Kentucky	Boyle County	1
	Powell County	1
Total cases for Kentucky		**2**
Louisiana	Beauregard Parish	1
	Iberia Parish	1
Total cases for Louisiana		**2**
Michigan	Lapeer County	1
Total cases for Michigan		**1**
Missouri	Chariton County	1
	Randolph County	1
Total cases for Missouri		**2**
Mississippi	Chickasaw County	1
	Jackson County	1
Total cases for Mississippi		**2**
Montana	Flathead County	1
	Lake County	1
Total cases for Montana		**2**
New Mexico	Catron County	1
	Luna County	1
	Socorro County	1
Total cases for New Mexico		**3**
Ohio	Fulton County	1
	Morrow County	1
	Stark County	1
Total for Ohio		**3**
Oregon	Harney County	1
	Malheur County	2
	Union County	1
Total cases for Oregon		**4**
Pennsylvania	Clinton County	1
	Juniata County	1
	Northumberland County	1
Total cases for Pennsylvania		**3**
South Carolina	Pickens County	1

State	County	West Nile Virus Reported Cases
Total cases for South Carolina		**1**
Tennessee	Robertson County	1
Total cases for Tennessee		**1**
Texas	Orange County	1
Total cases for Texas		**1**
Utah	Beaver County	1
	Duchesne County	1
	Iron County	1
	Juab County	1
	Sevier County	1
	Uintah County	2
Total cases for Utah		**7**
Washington	Franklin County	1
	Klickitat County	1
Total cases for Washington		**2**
Wyoming	Sheridan County	1
	Washakie County	1
Total cases for Wyoming		**2**
Total Reported West Nile Virus Equine Cases for the United States		**90**