



Animal and Plant
Health Inspection
Service

Veterinary
Services

May 2014

2013 Summary of West Nile Virus Equine Cases in the United States

January 1, 2013 – December 31, 2013

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 2013. The USDA Animal and Plant Health Inspection Service (APHIS) Veterinary Services (VS) collaborates with the 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 used to track and report 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 equine health website (<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 2013, **377** equine cases of WNV were reported from **42** States. This was fewer reported equine cases than in 2012 and considerably lower than the 2002 WNV outbreak, when 15,257 equine cases were reported (Figure 1). Figure 1 shows the annual number of equine WNV cases reported in the United States from 2001 through 2013. Figure 2 shows the number of equine WNV cases in each State in 2013, and Table 1 provides the number of cases per county or parish in those States in 2013. The maps in Figures 3-16 show the historic number of equine WNV cases reported in each State from 1999 through 2012.

Figure 1. Reported U.S. equine cases of West Nile virus, 2001-2013

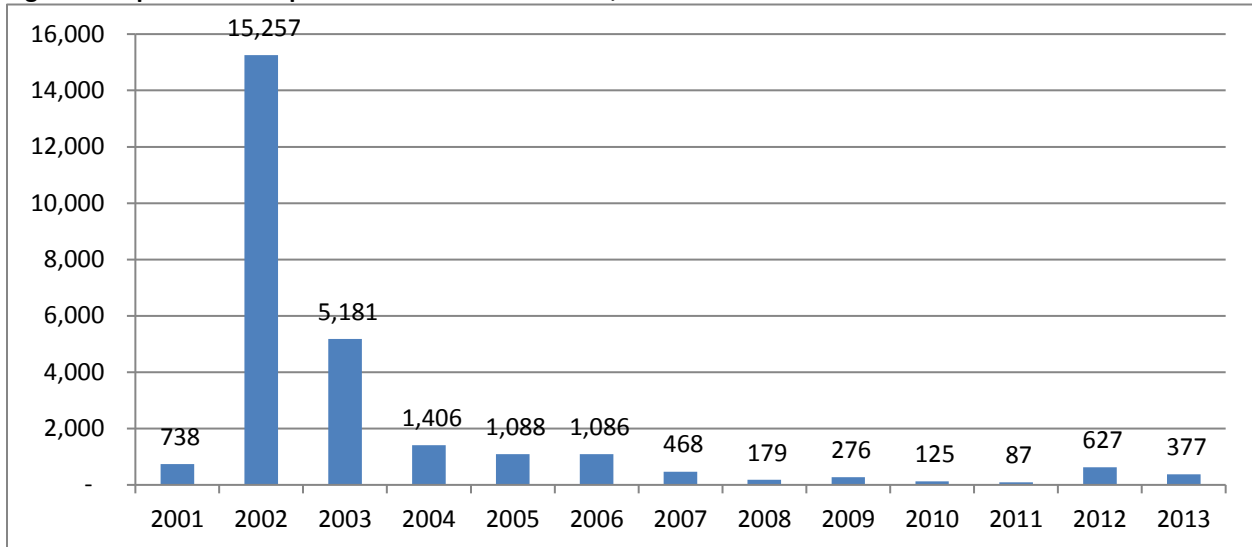


Figure 2. Distribution of reported equine WNV cases in 2013 (377 total cases)

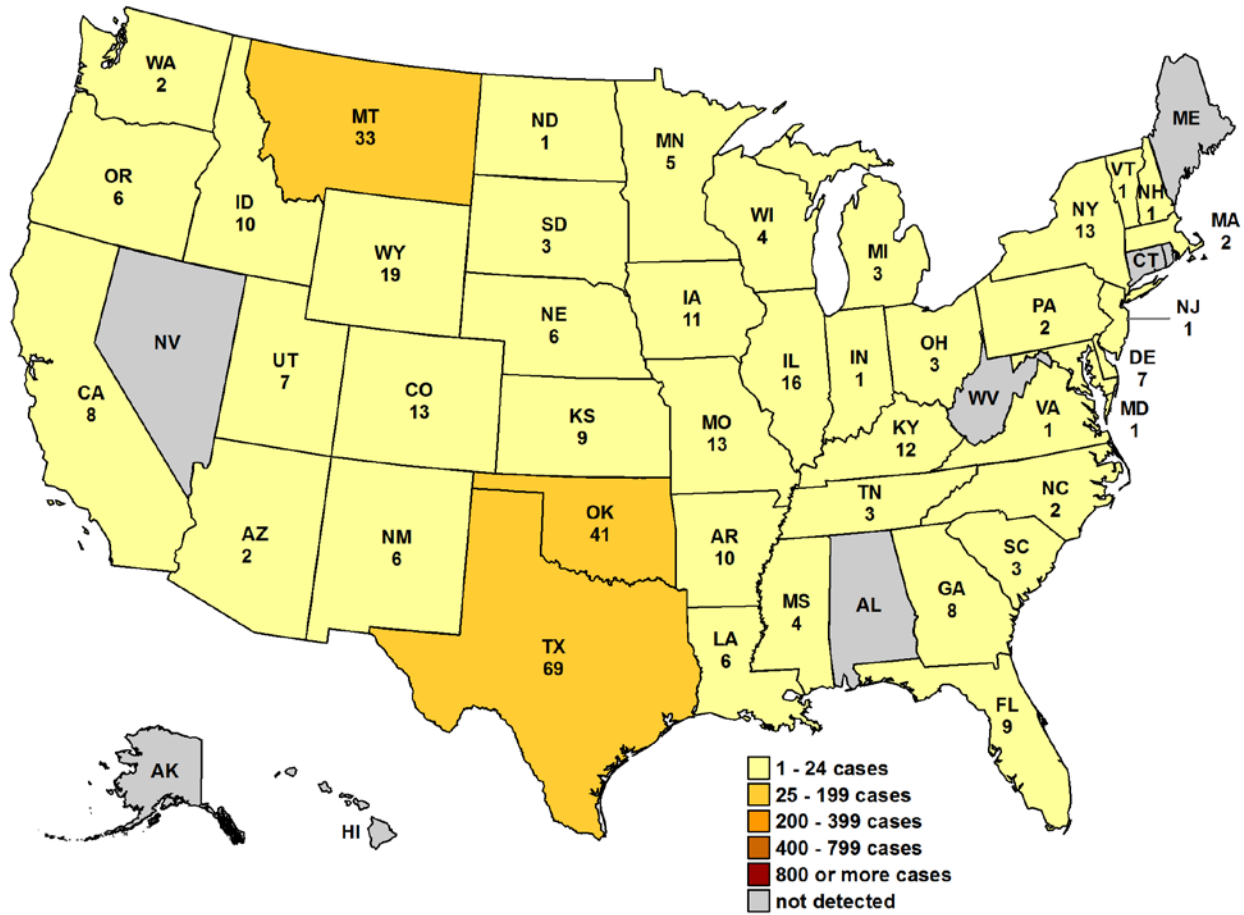


Table 1. Reported equine WNV cases by State and county, 2013

State	County	West Nile Virus Reported Cases
Arkansas	Greene County	1
	Little River County	2
	Lonoke County	1
	Madison County	1
	Scott County	3
	Washington County	1
	White County	1
	Total cases for Arkansas	
Arizona	Apache County	1
	Yavapai County	1
Total cases for Arizona		2
California	Kern County	1
	Placer County	1
	Riverside County	1
	Sacramento County	3

State	County	West Nile Virus Reported Cases
	Stanislaus County	2
Total cases for California		8
Colorado	Delta County	1
	El Paso County	1
	Larimer County	5
	Montezuma County	1
	Morgan County	1
	Rio Blanco County	1
	Weld County	3
Total cases for Colorado		13
Delaware	Kent County	4
	Sussex County	3
Total cases for Delaware		7
Florida	Alachua County	1
	Baker County	1
	Clay County	1
	Columbia County	1
	Jackson County	2
	Lake County	1
	Pasco County	1
	Putnam County	1
Total cases for Florida		9
Georgia	Bryan County	1
	Chattooga County	1
	Cherokee County	1
	Franklin County	1
	Gordon County	2
	Wayne County	2
Total cases for Georgia		8
Idaho	Ada County	1
	Canyon County	5
	Fremont County	1
	Gem County	1
	Owyhee County	1
	Valley County	1
Total cases for Idaho		10
Illinois	Bond County	1
	Bureau County	1
	Douglas County	3
	Edwards County	1
	Fulton County	1
	Greene County	2
	Hancock County	1
	Moultrie County	2
	Perry County	1
	Pike County	1
	Rock Island County	1
	Will County	1

State	County	West Nile Virus Reported Cases
Total cases for Illinois		16
Indiana	Adams County	1
Total cases for Indiana		1
Iowa	Cerro Gordo County	1
	Dallas County	1
	Davis County	1
	Grundy County	1
	Jackson County	1
	Jasper County	1
	Polk County	3
	Union County	1
	Van Buren County	1
Total cases for Iowa		11
Kansas	McPherson County	1
	Reno County	1
	Rooks County	1
	Saline County	1
	Sedgwick County	5
Total cases for Kansas		9
Kentucky	Calloway County	1
	Christian County	2
	Edmonson County	1
	Graves County	2
	Hopkins County	1
	Lincoln County	1
	Todd County	1
	Trigg County	1
	Union County	1
	Warren County	1
Total cases for Kentucky		12
Louisiana	Bossier Parish	1
	Caldwell Parish	1
	Lafayette Parish	1
	Livingston Parish	1
	Ouachita Parish	1
	Vermilion Parish	1
Total cases for Louisiana		6
Maryland	Montgomery County	1
Total cases for Maryland		1
Massachusetts	Bristol County	1
	Worcester County	1
Total cases for Massachusetts		2
Michigan	Allegan County	1
	Ingham County	1
	Kent County	1
Total cases for Michigan		3

State	County	West Nile Virus Reported Cases
Minnesota	Kanabec County	1
	Morrison County	1
	Polk County	2
	Roseau County	1
Total cases for Minnesota		5
Mississippi	Covington County	1
	Hinds County	1
	Rankin County	2
Total cases for Mississippi		4
Missouri	Audrain County	1
	Barton County	1
	Cedar County	1
	Chariton County	1
	Cole County	1
	Crawford County	1
	Hickory County	1
	Howell County	1
	Laclede County	1
	Moniteau County	1
	Nodaway County	1
	Shelby County	1
	St. Louis County	1
Total cases for Missouri		13
Montana	Big Horn County	3
	Blaine County	1
	Carbon County	1
	Cascade County	3
	Custer County	1
	Fallon County	1
	Gallatin County	1
	Glacier County	1
	Hill County	1
	Lewis and Clark County	2
	McCone County	1
	Musselshell County	2
	Park County	1
	Petroleum County	1
	Phillips County	2
	Pondera County	1
	Powder River County	1
	Stillwater County	5
	Teton County	1
	Toole County	1
Valley County	1	
Yellowstone County	1	
Total cases for Montana		33
Nebraska	Chase County	1
	Dawson County	1
	Douglas County	1
	Lincoln County	1

State	County	West Nile Virus Reported Cases
	Sarpy County	1
	Valley County	1
Total cases for Nebraska		6
New Hampshire	Belknap County	1
Total cases for New Hampshire		1
New Mexico	Eddy County	1
	Lea County	2
	Otero County	1
	San Juan County	1
	Valencia County	1
Total cases for New Mexico		6
New Jersey	Cumberland County	1
Total cases for New Jersey		1
New York	Allegany County	1
	Cattaraugus County	2
	Essex County	1
	Fulton County	1
	Genesee County	2
	Monroe County	1
	Niagara County	1
	Oneida County	1
	Ontario County	1
	Otsego County	1
	Yates County	1
Total cases for New York		13
North Carolina	Alamance County	1
	Person County	1
Total cases for North Carolina		2
North Dakota	Richland County	1
Total cases for North Dakota		1
Ohio	Guernsey County	1
	Knox County	1
	Wayne County	1
Total cases for Ohio		3
Oklahoma	Adair County	1
	Carter County	1
	Choctaw County	1
	Coal County	1
	Creek County	4
	Delaware County	2
	Garfield County	2
	Garvin County	1
	Hughes County	1
	Jackson County	1
	Johnston County	1
	Le Flore County	2
	Lincoln County	1
	Love County	1
	McClain County	2
	Muskogee County	3

State	County	West Nile Virus Reported Cases
	Nowata County	1
	Oklahoma County	4
	Payne County	2
	Pontotoc County	1
	Seminole County	2
	Sequoyah County	1
	Tulsa County	2
	Wagoner County	2
	Woodward County	1
Total cases for Oklahoma		41
Oregon	Klamath County	1
	Malheur County	1
	Umatilla County	3
	Union County	1
Total cases for Oregon		6
Pennsylvania	Bucks County	1
	Lancaster County	1
Total cases for Pennsylvania		2
South Carolina	Darlington County	1
	Horry County	1
	Lancaster County	1
Total cases for South Carolina		3
South Dakota	Jackson County	1
	Pennington County	1
	Tripp County	1
Total cases for South Dakota		3
Tennessee	Robertson County	1
	Shelby County	1
	Stewart County	1
Total cases for Tennessee		3
Texas	Anderson County	2
	Andrews County	1
	Angelina County	1
	Armstrong County	2
	Austin County	1
	Bailey County	1
	Bastrop County	1
	Bell County	1
	Bowie County	1
	Brazos County	2
	Cass County	2
	Collin County	1
	Cooke County	3
	Coryell County	3
	Dallas County	1
	Delta County	1
	Denton County	1
	Donley County	1
	Ellis County	1
	Foard County	1

State	County	West Nile Virus Reported Cases
	Freestone County	1
	Gaines County	1
	Grayson County	1
	Grimes County	1
	Harrison County	1
	Hemphill County	1
	Henderson County	1
	Hopkins County	2
	Jeff Davis County	1
	Jefferson County	2
	Kaufman County	1
	Lamar County	2
	Lampasas County	1
	Leon County	1
	Limestone County	1
	Live Oak County	1
	McCulloch County	1
	McLennan County	4
	Montgomery County	1
	Navarro County	1
	Palo Pinto County	1
	Potter County	1
	Randall County	1
	Runnels County	1
	San Jacinto County	1
	Tom Green County	1
	Trinity County	2
	Upshur County	1
	Upton County	1
	Van Zandt County	2
	Washington County	1
	Wichita County	2
Total cases for Texas		69
Utah	Box Elder County	2
	Duchesne County	1
	Juab County	1
	Washington County	3
Total cases for Utah		7
Virginia	Russell County	1
Total cases for Virginia		1
Vermont	Lamoille County	1
Total cases for Vermont		1
Washington	Franklin County	1
	Yakima County	1
Total cases for Washington		2
Wisconsin	Jefferson County	1
	Sauk County	1
	Walworth County	2
Total cases for Wisconsin		4
Wyoming	Campbell County	5

State	County	West Nile Virus Reported Cases
	Converse County	1
	Laramie County	1
	Natrona County	2
	Niobrara County	1
	Park County	2
	Platte County	1
	Sheridan County	5
	Sweetwater County	1
Total cases for Wyoming		19
Total Reported West Nile Virus Equine Cases for the United States		377

Figure 3. U.S. distribution of 627 reported equine West Nile virus cases in 2012

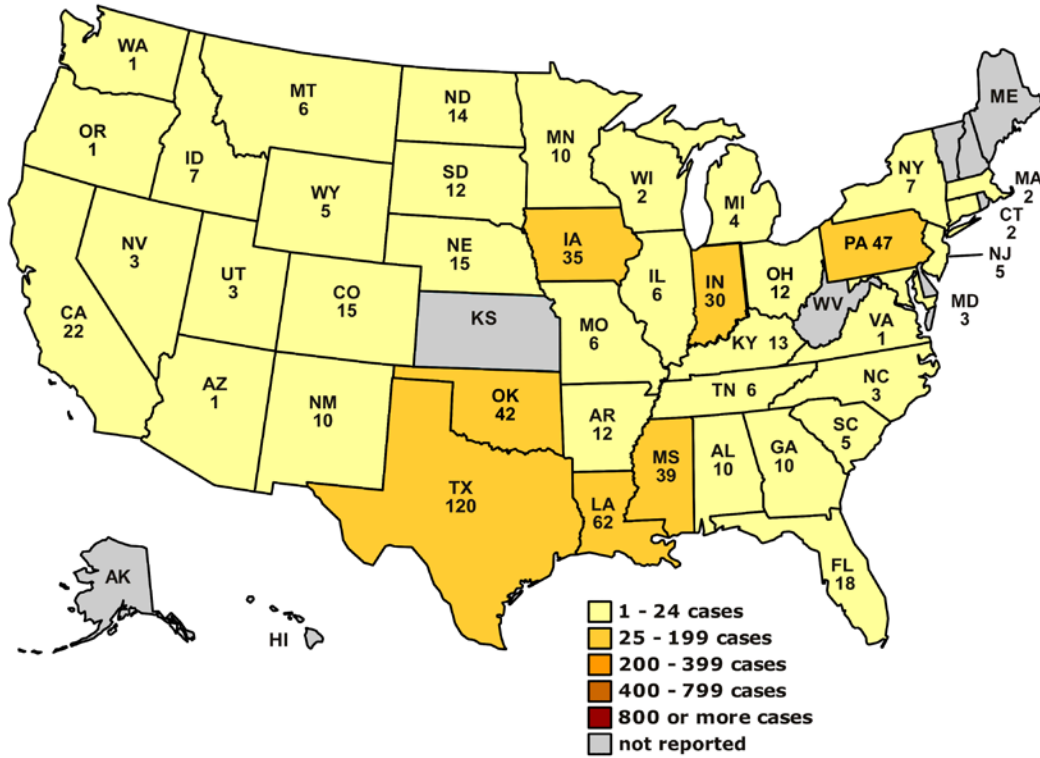


Figure 4. U.S. distribution of 87 reported equine West Nile virus cases in 2011

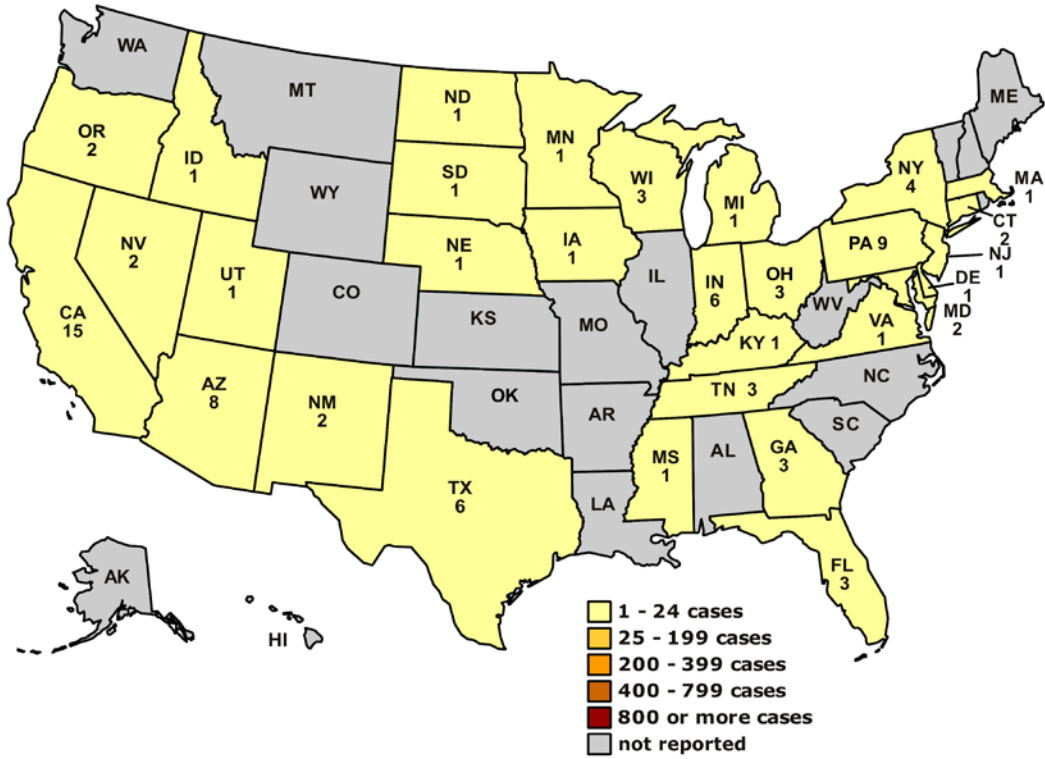


Figure 5. U.S. distribution of 125 reported equine West Nile virus cases in 2010

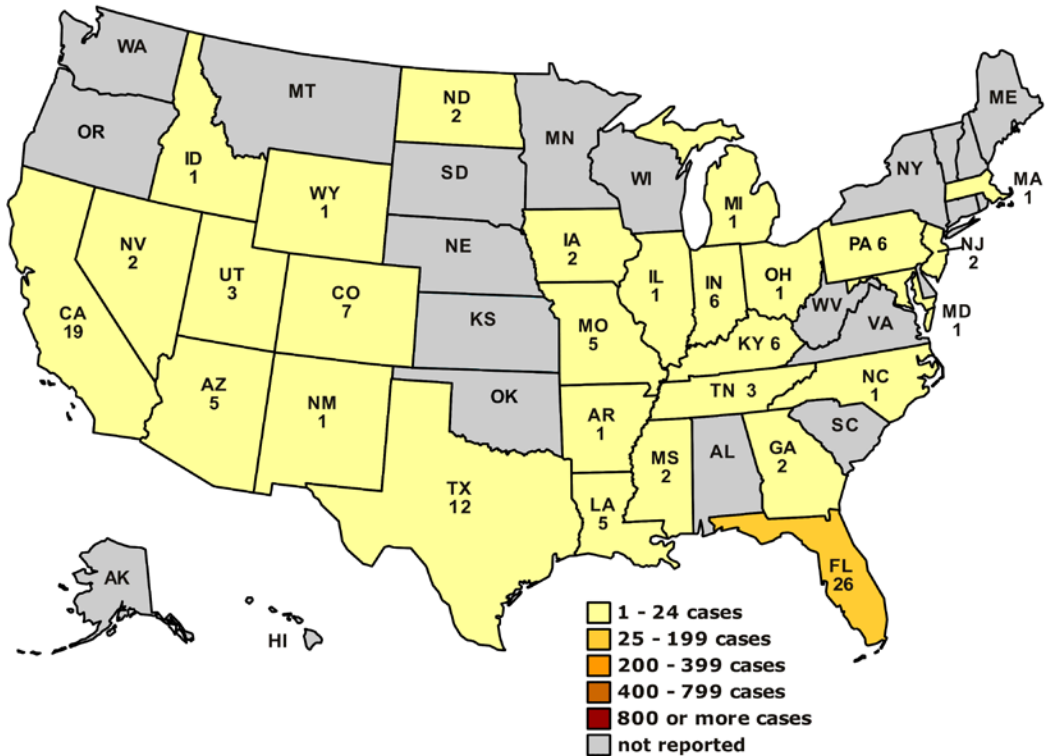


Figure 6. U.S. distribution of 276 reported equine West Nile virus cases in 2009

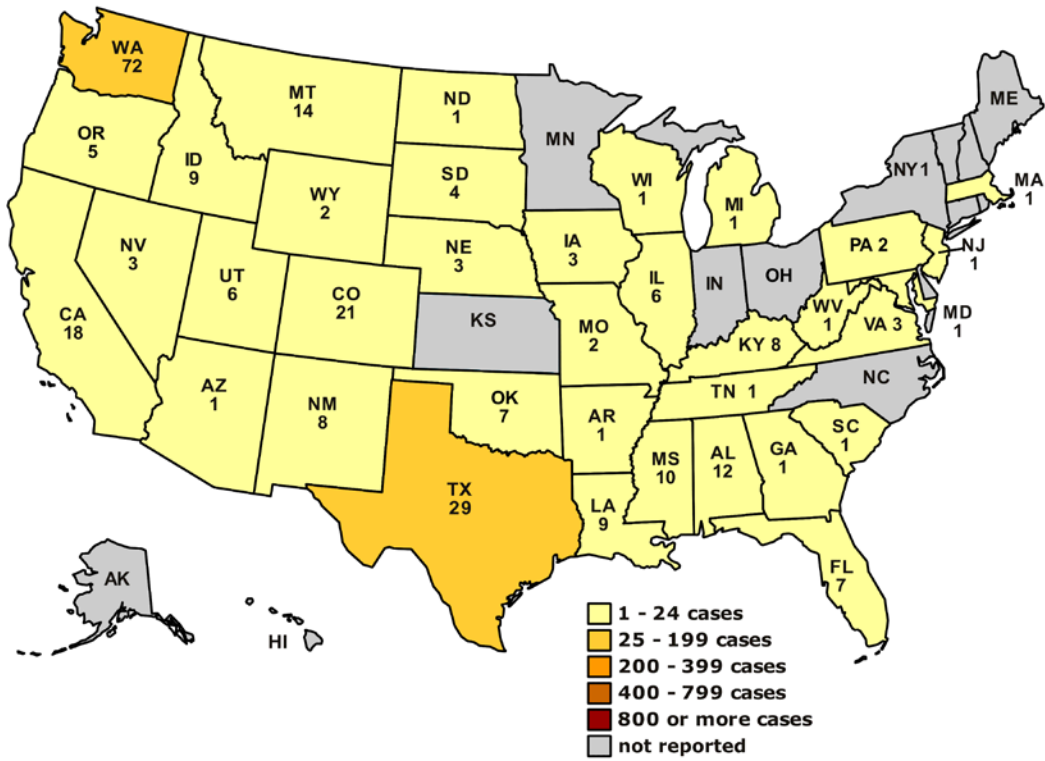


Figure 7. U.S. distribution of 179 reported equine West Nile virus cases in 2008

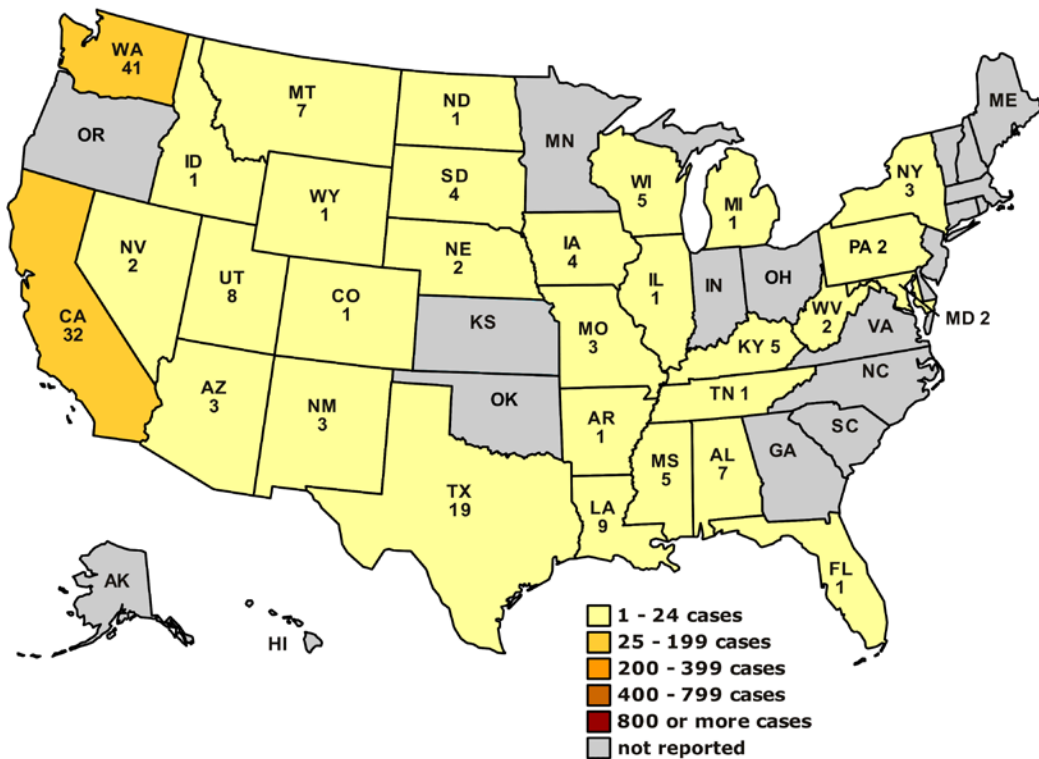


Figure 10. U.S. distribution of 1,088 reported equine West Nile virus cases in 2005

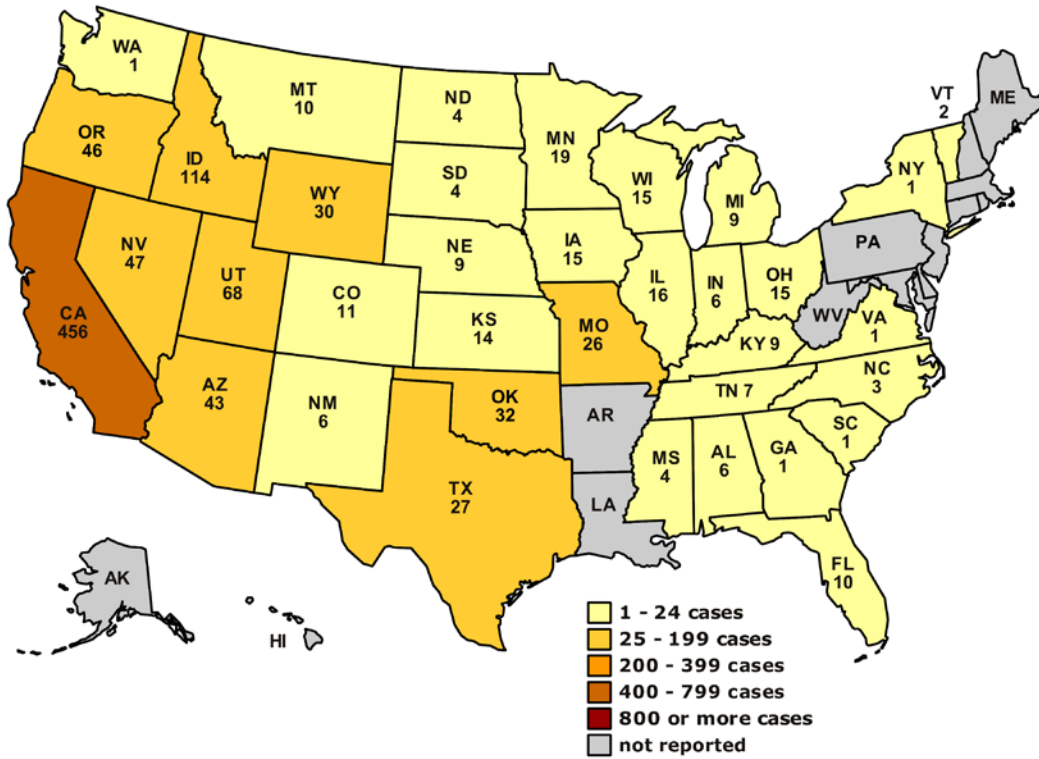


Figure 11. U.S. distribution of 1,406 reported equine West Nile virus cases in 2004

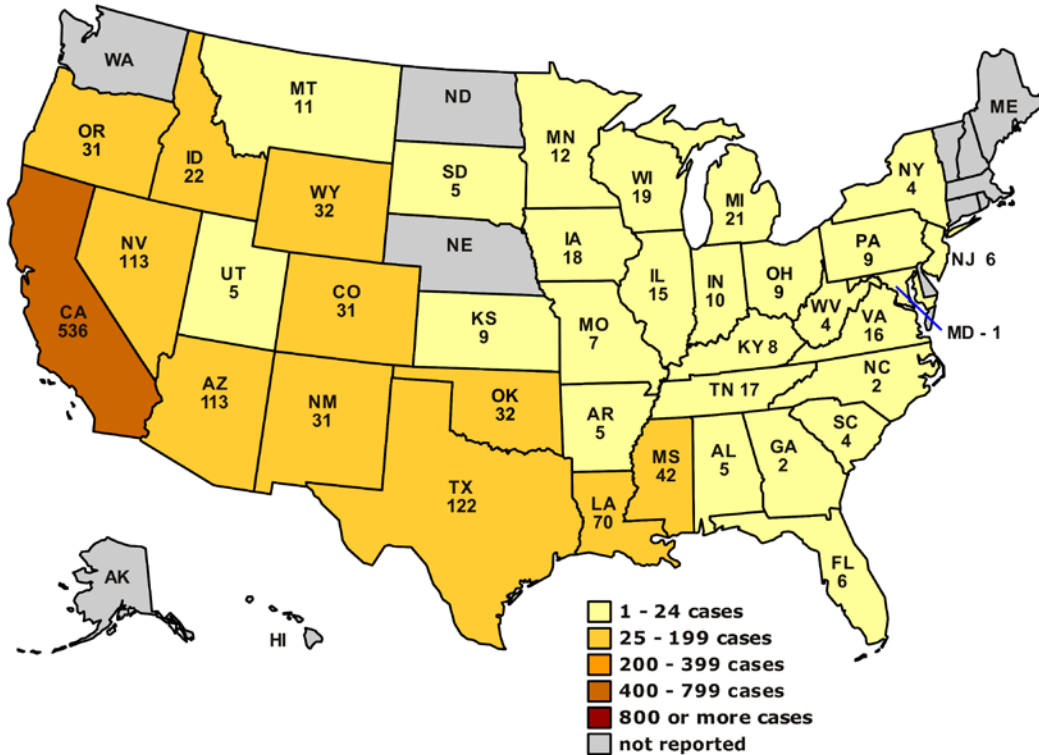


Figure 12. U.S. distribution of 5,181 reported equine West Nile virus cases in 2003

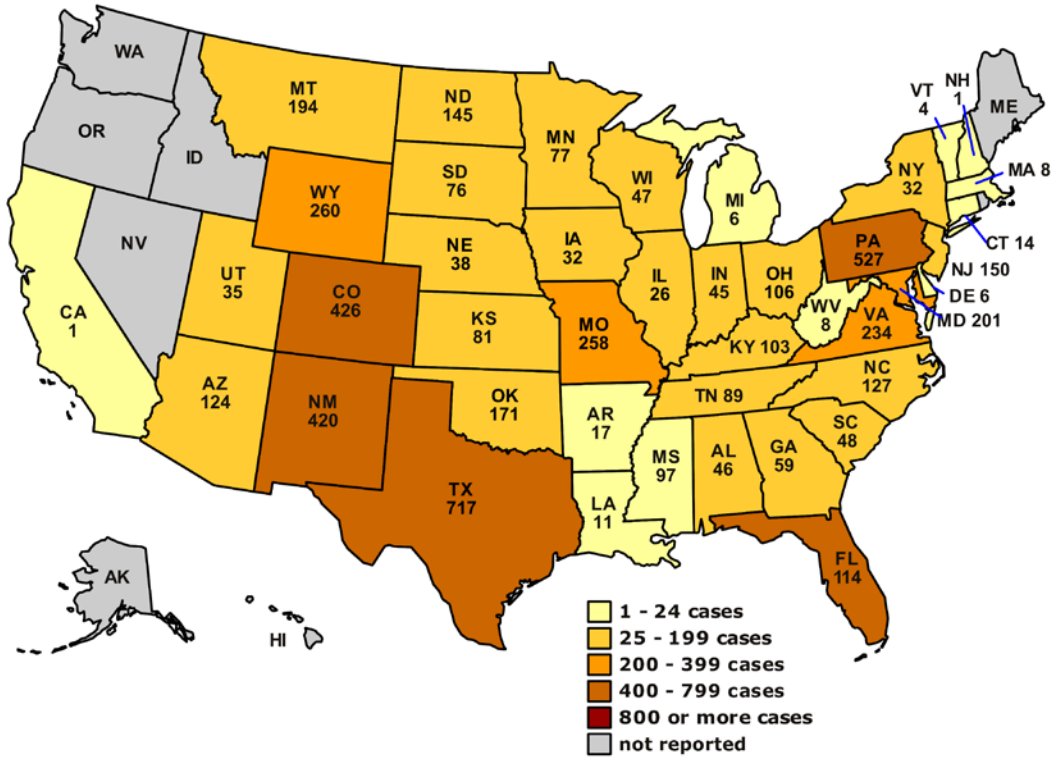


Figure 13. U.S. distribution of 15,257 reported equine West Nile virus cases in 2002

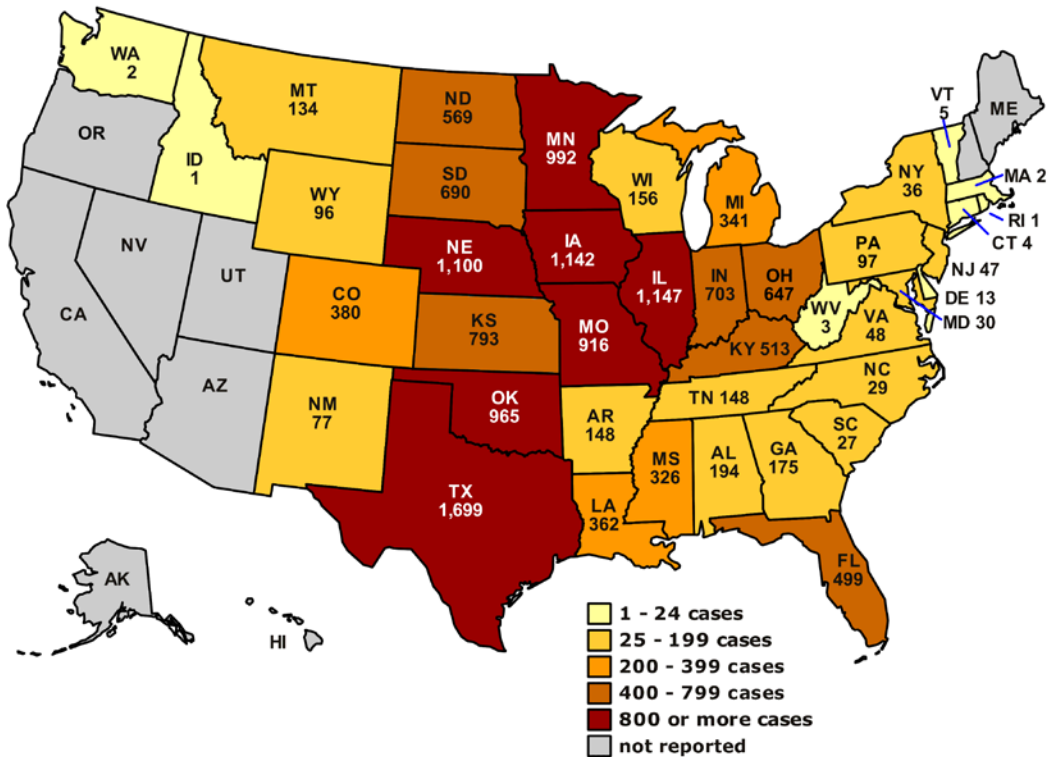


Figure 14. U.S. distribution of 738 reported equine West Nile virus cases in 2001

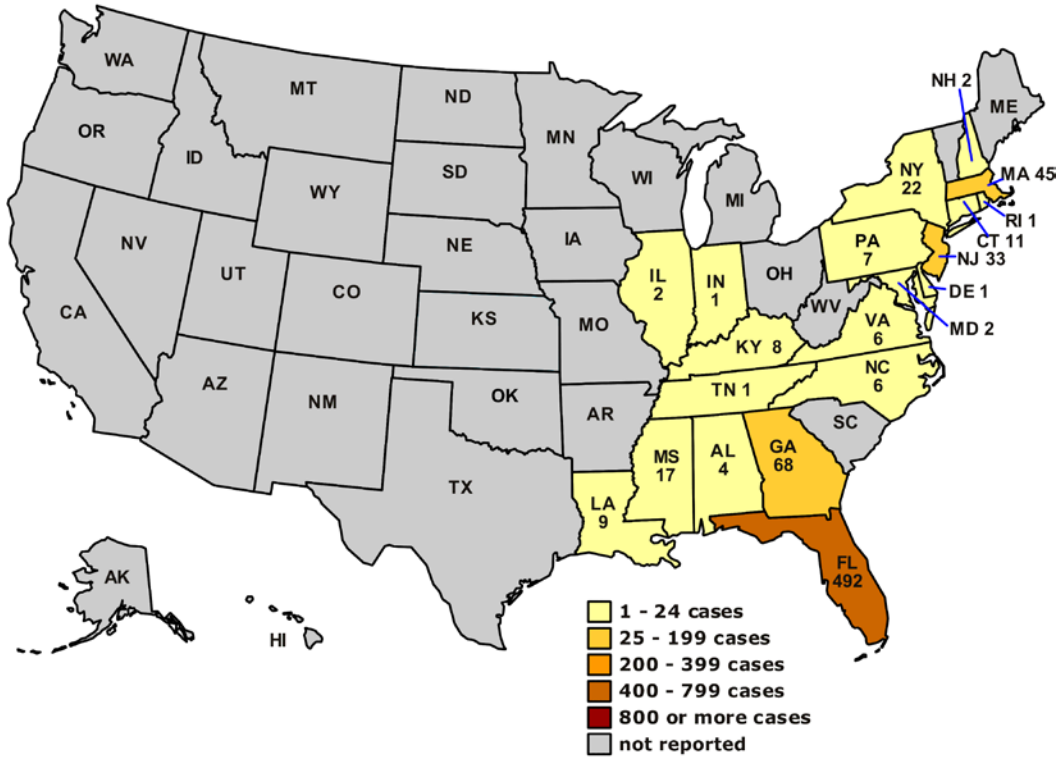


Figure 15. U.S. State distribution of 60 reported equine West Nile virus cases in 2000

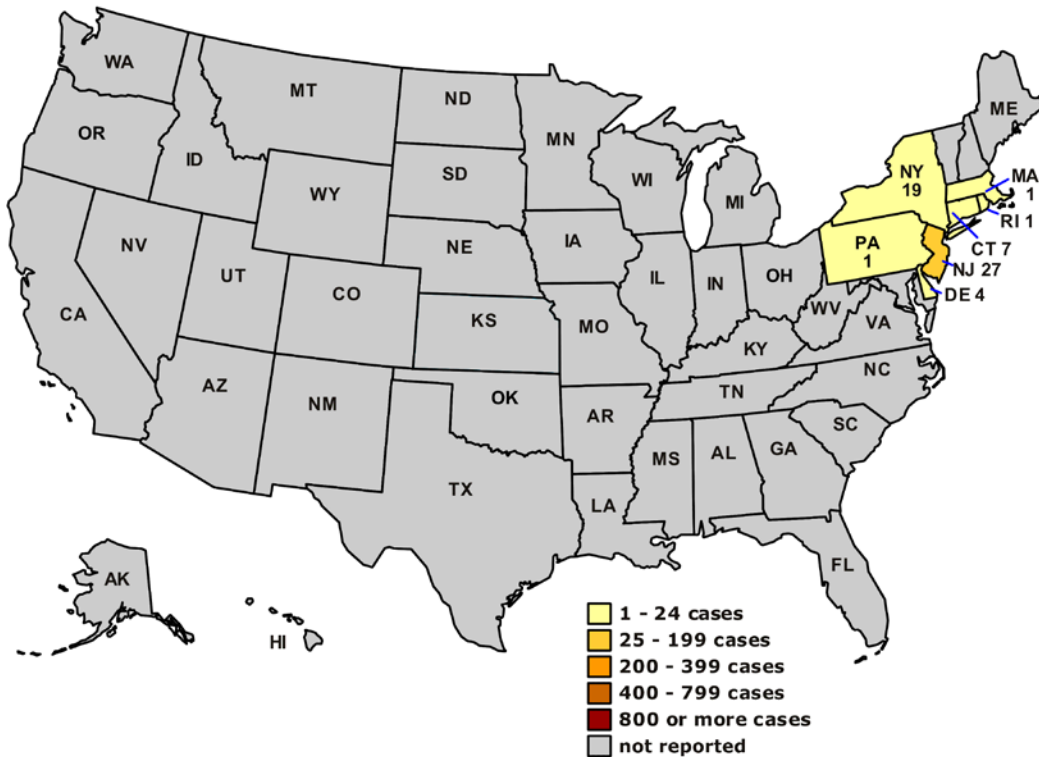


Figure 16. U.S. distribution of 25 reported equine West Nile virus cases in 1999

