



Animal and Plant
Health Inspection
Service

Veterinary
Services

August 2015

2014 Summary of West Nile Virus Equine Cases in the United States

January 1, 2014 – December 31, 2014

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 2014. 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 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 2014, **141** equine cases of WNV were reported from **32** States. This was fewer reported equine cases than in 2013 and considerably lower than the 2002 WNV outbreak, when 15,257 equine cases were reported (Figure 14). Figure 1 shows the annual number of equine WNV cases reported in the United States from 2003 through 2014. Figure 2 shows the number of equine WNV cases in each State in 2014, and Table 1 provides the number of cases per county or parish in those States in 2014. The maps in Figures 3-16 show the historic number of equine WNV cases reported in each State from 2000 through 2013.

Figure 1. Reported U.S. equine cases of West Nile virus, 2003-2014

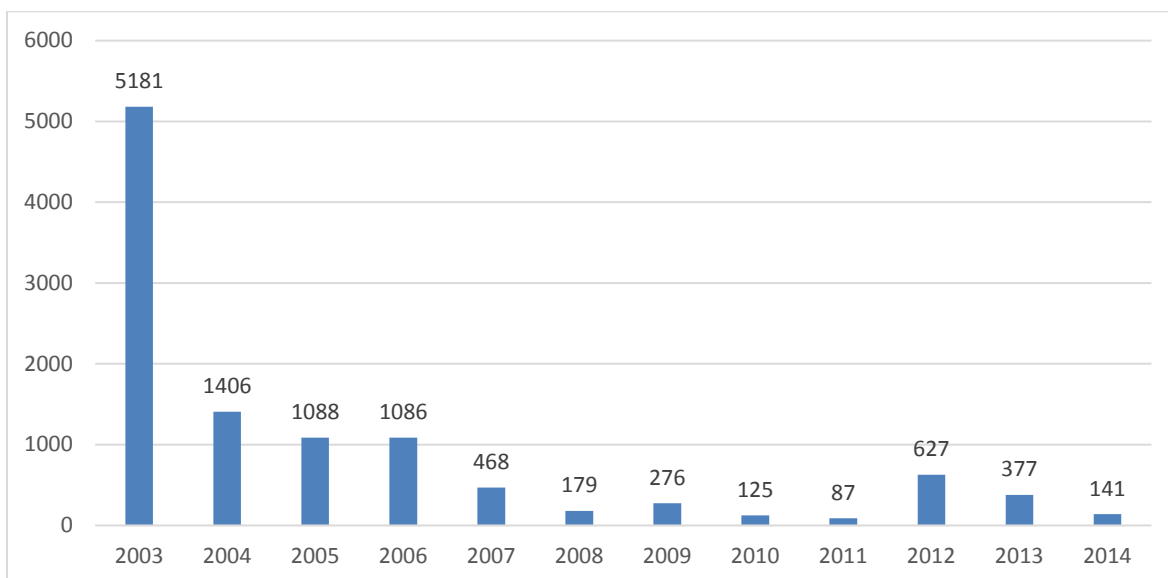


Figure 2. Distribution of reported equine WNV cases in 2014 (141 total cases)

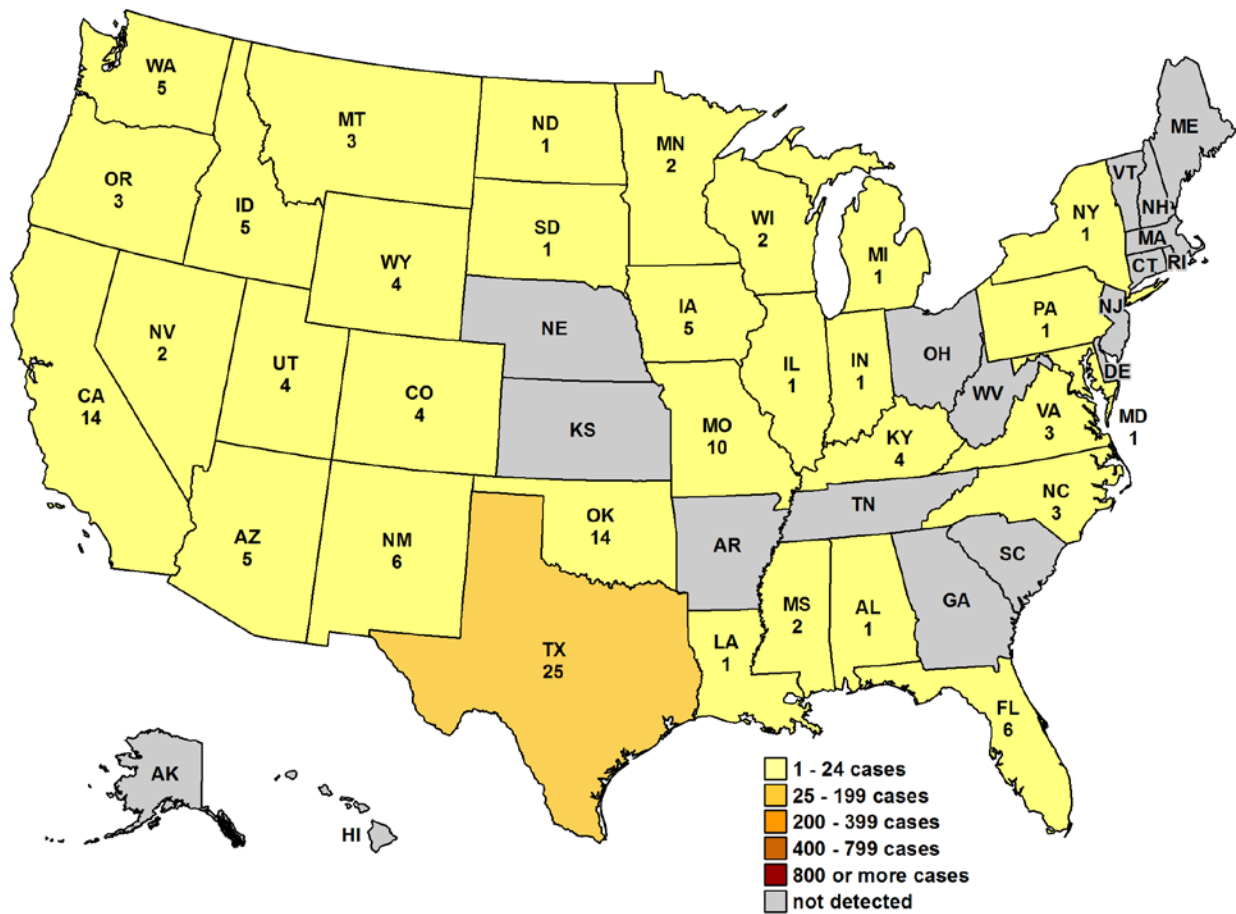


Table 1. Reported equine WNV cases by State and county, 2014

State	County	West Nile Virus Reported Cases
Alabama	Jefferson County	1
Total cases for Alabama		1
Arizona	Apache County	1
	Maricopa County	3
	Mohave County	1
Total cases for Arizona		5
California	Calaveras County	1
	Fresno County	2
	Kern County	1
	Madera County	1
	Merced County	1
	Modoc County	1
	Riverside County	1
	San Benito County	1
	San Bernardino County	1

State	County	West Nile Virus Reported Cases
	San Luis Obispo County	1
	Shasta County	1
	Solano County	1
	Sonoma County	1
Total cases for California		14
Colorado	Adams County	1
	Larimer County	2
	Weld County	1
Total cases for Colorado		4
Florida	Brevard County	2
	Clay County	1
	Lake County	1
	Marion County	1
	Volusia County	1
Total cases for Florida		6
Idaho	Bannock County	1
	Boise County	1
	Gooding County	1
	Washington County	2
Total cases for Idaho		5
Illinois	Madison County	1
Total cases for Illinois		1
Indiana	Adams County	1
Total cases for Indiana		1
Iowa	Black Hawk County	1
	Davis County	1
	Johnson County	1
	Louisa County	1
	Lucas County	1
Total cases for Iowa		5
Kentucky	Allen County	1
	Calloway County	1
	Marion County	1
	Marshall County	1
Total cases for Kentucky		4
Louisiana	Franklin Parish	1
Total cases for Louisiana		1
Maryland	Frederick County	1
Total cases for Maryland		1
Michigan	Grand Traverse County	1
Total cases for Michigan		1
Minnesota	Otter Trail County	1
	Red Lake County	1
Total cases for Minnesota		2
Mississippi	Hinds County	1
	Pontiac County	1
Total cases for Mississippi		2

State	County	West Nile Virus Reported Cases
Missouri	Andrew County	1
	Audrain County	1
	Bates County	1
	Clay County	1
	Cole County	1
	DeKalb County	1
	Laclede County	2
	St. Louis County	2
Total cases for Missouri		10
Montana	Gallatin County	1
	McCone County	1
	Teton County	1
Total cases for Montana		3
Nevada	Churchill County	1
	Clark County	1
Total cases for Nevada		2
New Mexico	Bernalillo County	2
	San Miguel	2
	San Juan County	1
	Sandoval County	1
Total cases for New Mexico		6
New York	St. Lawrence County	1
Total cases for New York		1
North Carolina	Craven County	2
	Wake County	1
Total cases for North Carolina		3
North Dakota	McHenry County	1
Total cases for North Dakota		1
Oklahoma	Canadian County	1
	Carter County	1
	Creek County	1
	Jackson County	1
	Kiowa County	1
	Latimer County	1
	McClain County	2
	Murray County	1
	Oklahoma County	1
	Payne County	1
	Pottawatomie County	1
	Sequoyah County	1
	Texas County	1
Total cases for Oklahoma		14
Oregon	Baker County	1
	Jefferson County	1
	Union County	1
Total cases for Oregon		3
Pennsylvania	Lancaster County	1
Total cases for Pennsylvania		1
South Dakota	Ziebach County	1
Total cases for South Dakota		1

State	County	West Nile Virus Reported Cases
Texas	Bexar County	1
	Caldwell County	1
	Eastland County	1
	El Paso County	1
	Gonzales County	3
	Grayson County	1
	Hidalgo County	2
	Hockley County	1
	Liberty County	1
	Madison County	1
	Medina County	1
	Montgomery County	2
	Moore County	1
	Ochiltree County	1
	Parker County	1
	Travis County	1
	Waller County	3
	Washington County	1
	Wichita County	1
Total cases for Texas		25
Utah	Box Elder County	1
	Iron County	1
	Salt Lake City County	1
	Uintah County	1
Total cases for Utah		4
Virginia	Augusta County	1
	Fairfax County	1
	Loudoun County	1
Total cases for Virginia		3
Washington	Benton County	1
	Franklin County	1
	Grant County	1
	Okanogan County	1
	Yakima County	1
Total cases for Washington		5
Wisconsin	Burnett County	1
	St. Croix County	1
Total cases for Wisconsin		2
Wyoming	Freemont County	1
	Natrona County	1
	Niobrara County	1
	Sheridan County	1
Total cases for Wyoming		4
Total Reported West Nile Virus Equine Cases for the United States		141

Figure 3. U.S. distribution of 377 reported equine West Nile virus cases in 2013

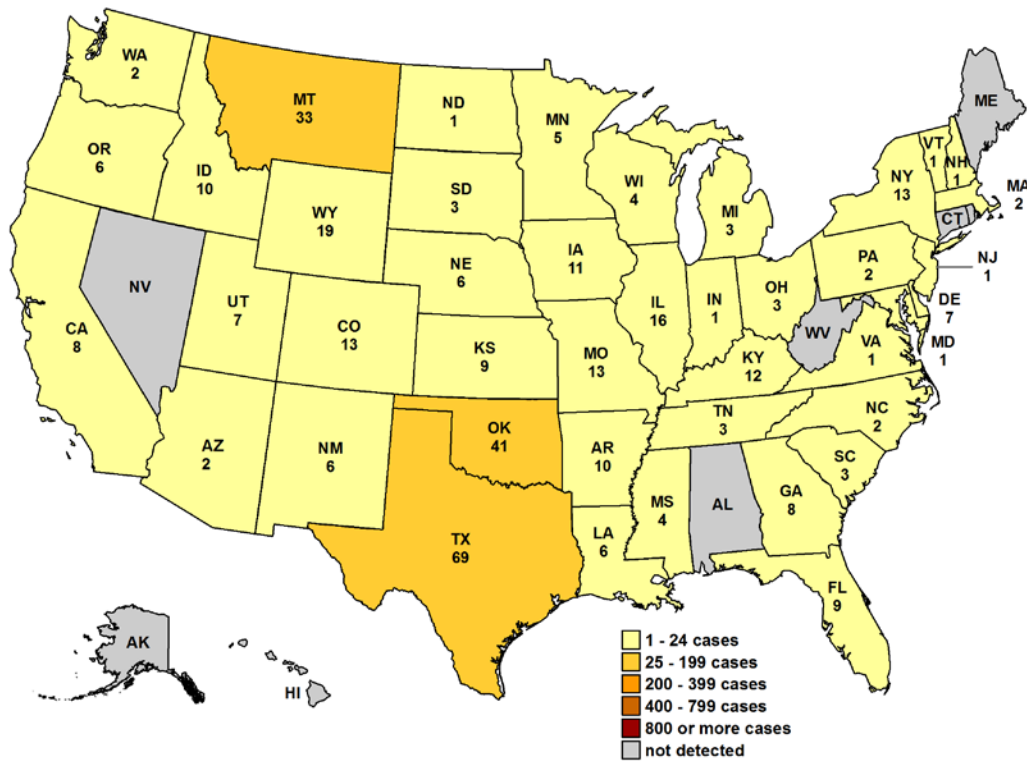


Figure 4. U.S. distribution of 627 reported equine West Nile virus cases in 2012

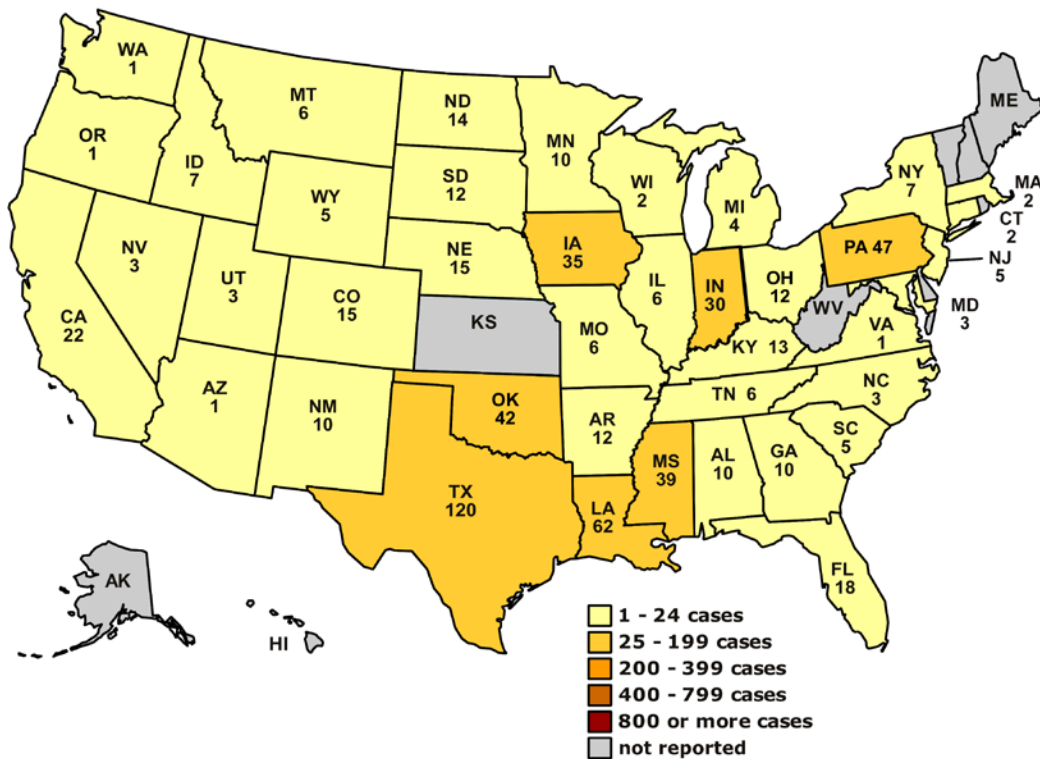


Figure 5. U.S. distribution of 87 reported equine West Nile virus cases in 2011

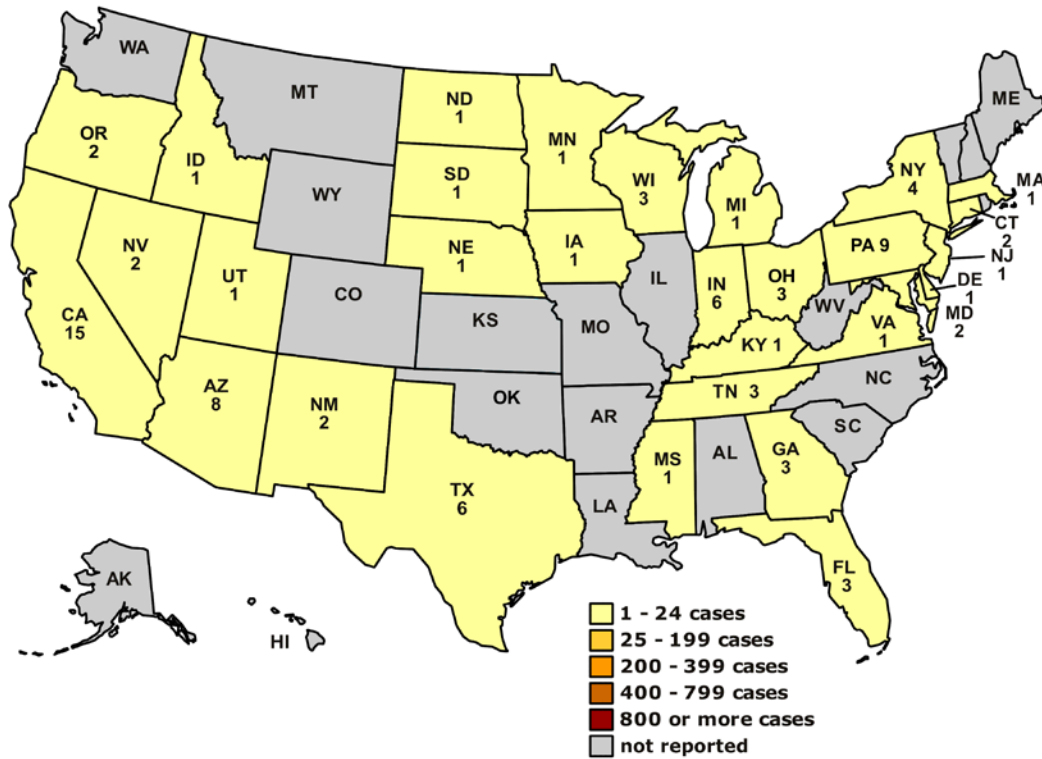


Figure 6. U.S. distribution of 125 reported equine West Nile virus cases in 2010

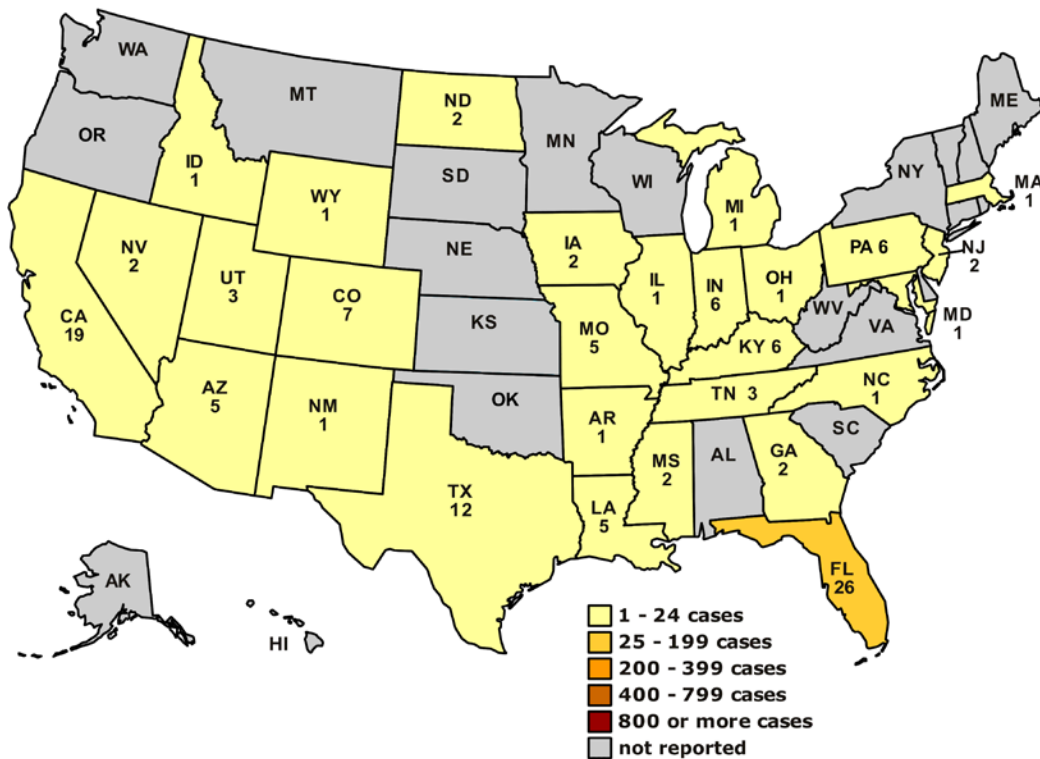


Figure 7. U.S. distribution of 276 reported equine West Nile virus cases in 2009

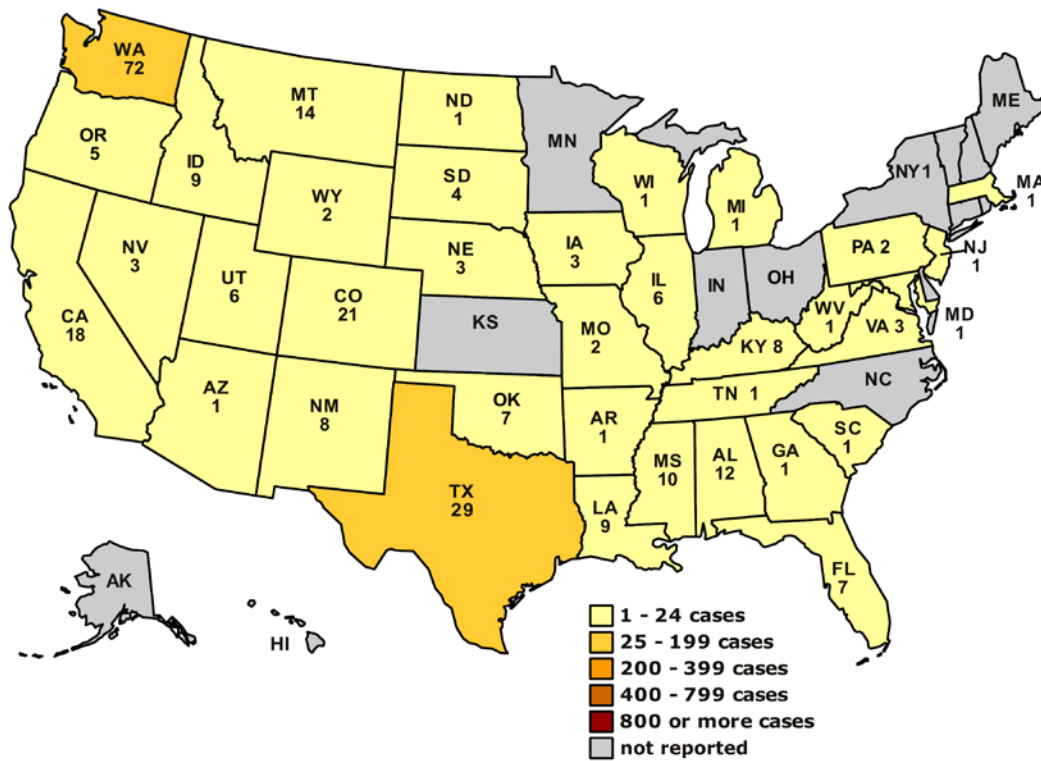


Figure 8. U.S. distribution of 179 reported equine West Nile virus cases in 2008

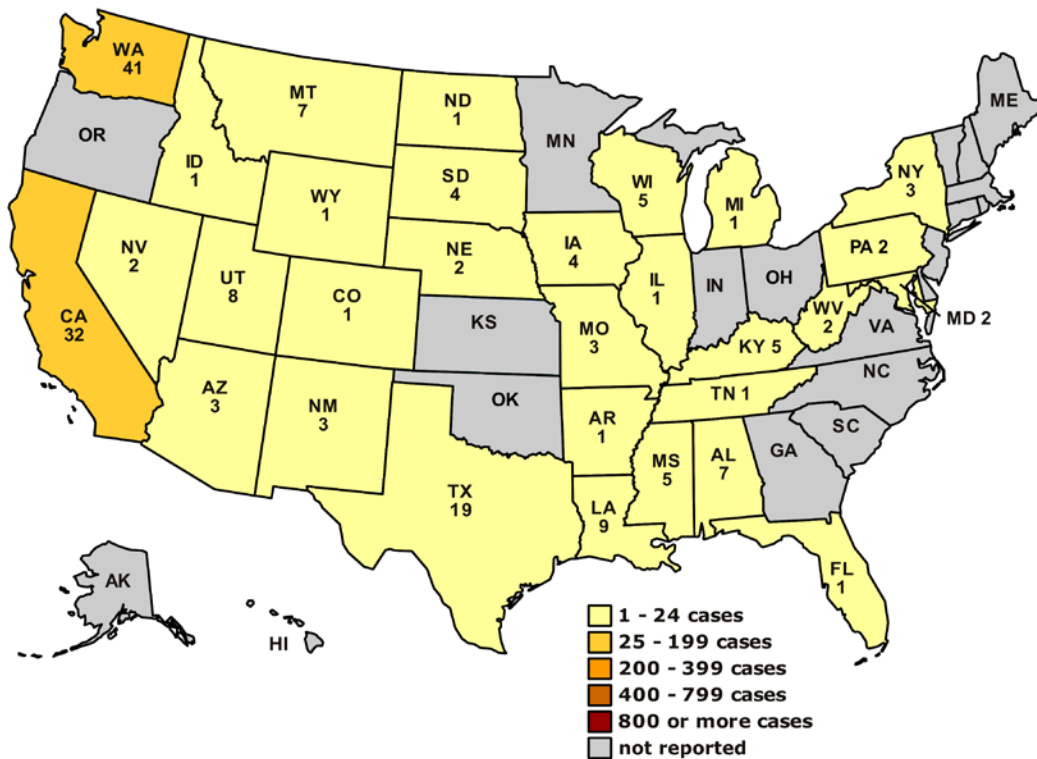


Figure 9. U.S. distribution of 468 reported equine West Nile virus cases in 2007

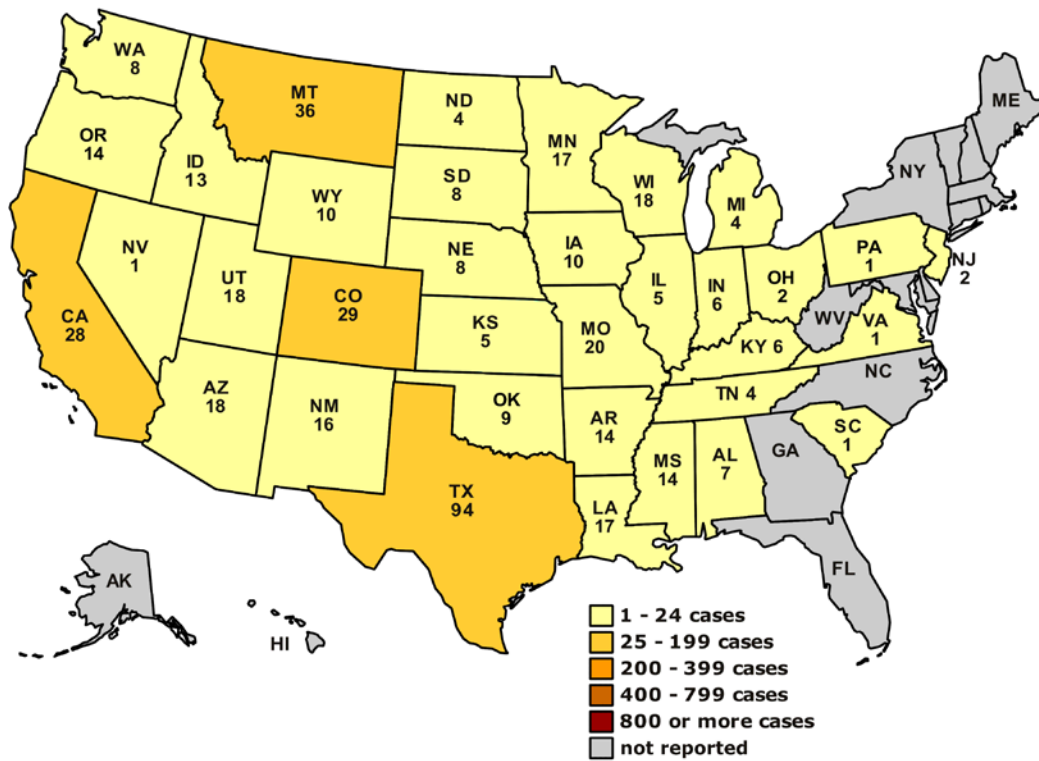


Figure 11. U.S. distribution of 1,088 reported equine West Nile virus cases in 2005

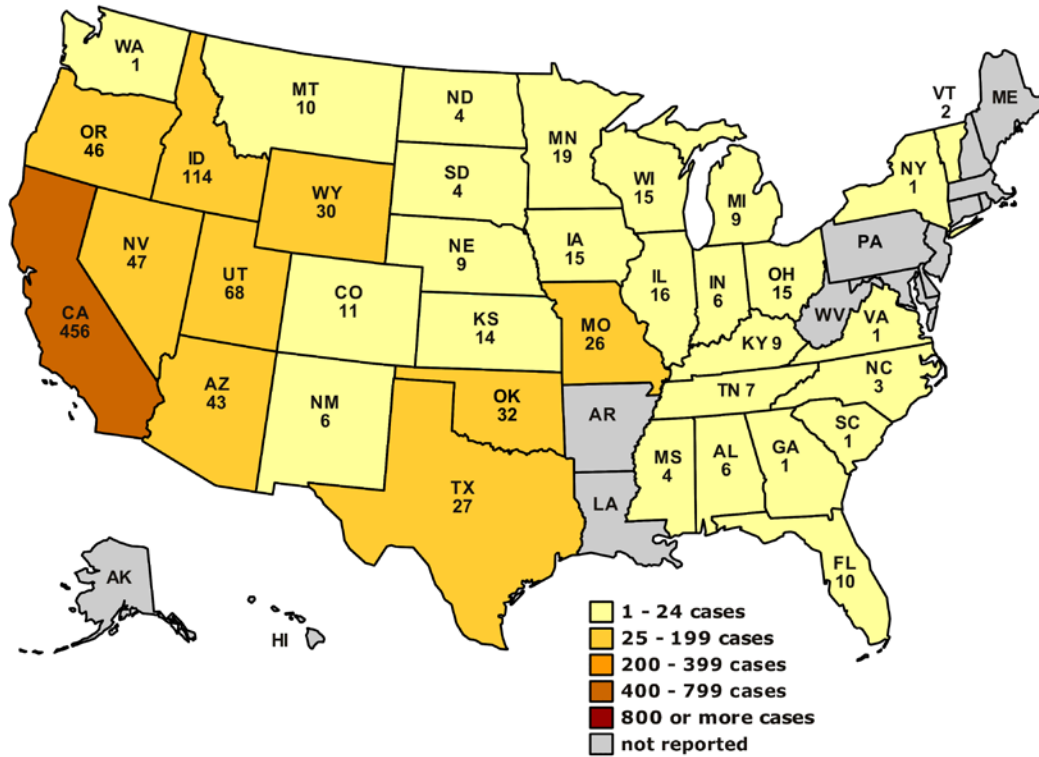


Figure 12. U.S. distribution of 1,406 reported equine West Nile virus cases in 2004

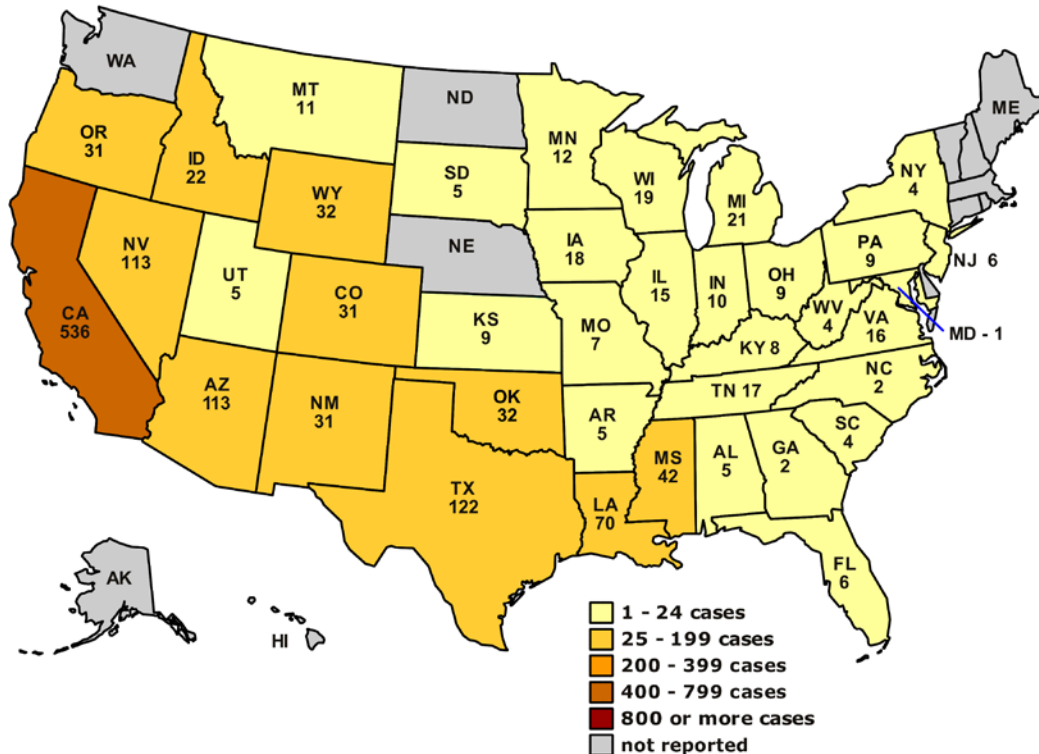


Figure 13. U.S. distribution of 5,181 reported equine West Nile virus cases in 2003

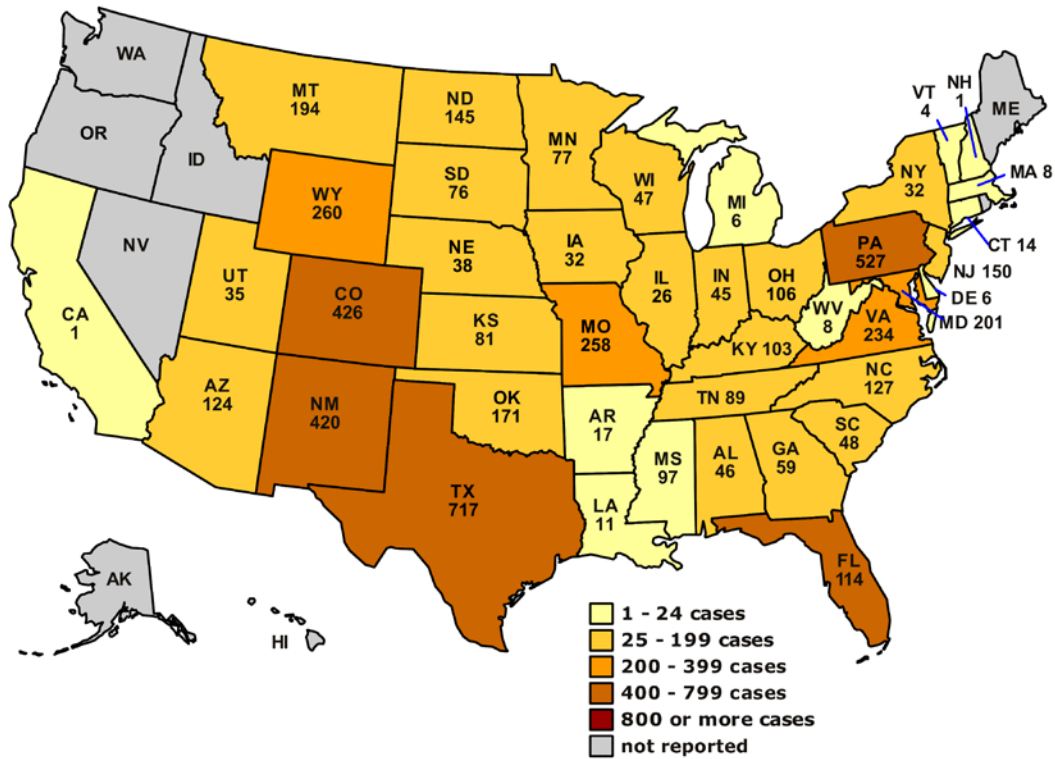


Figure 14. U.S. distribution of 15,257 reported equine West Nile virus cases in 2002

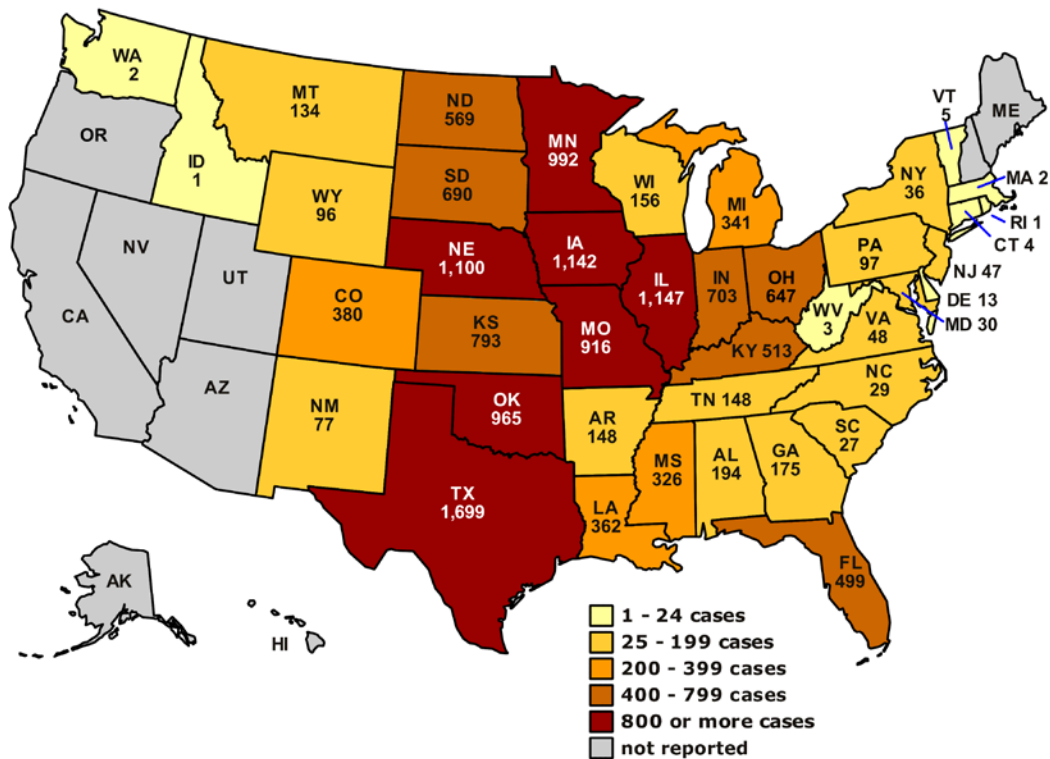


Figure 15. U.S. distribution of 738 reported equine West Nile virus cases in 2001

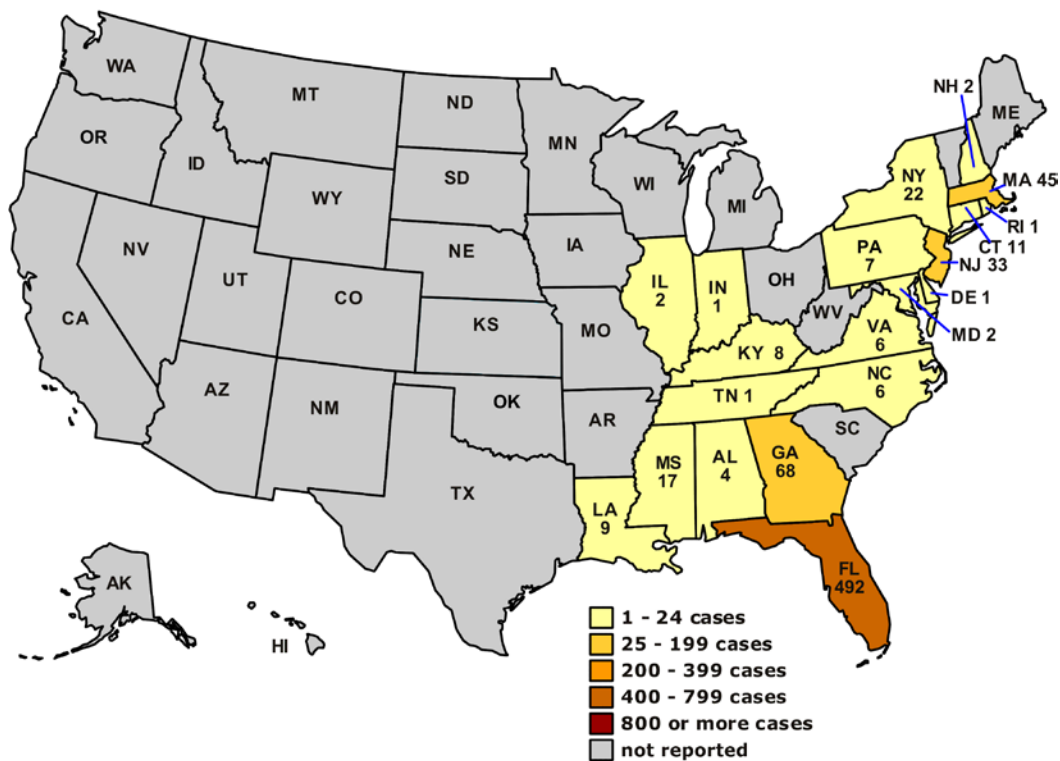


Figure 16. U.S. State distribution of 60 reported equine West Nile virus cases in 2000

