



2021 Summary of Eastern Equine Encephalitis Cases in the United States

January 1 – December 31, 2021

This report is a descriptive summary of U.S. Eastern equine encephalitis (EEE) cases reported to the United States Department of Agriculture (USDA) in 2021. 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 arbovirus case information to State animal health officials for confirmation and epidemiological follow-up. The USDA equine Web site provides further EEE information, including specific case definitions: <https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/animal-disease-information/equine>. In this document, ‘reported cases’ of EEE may include presumptive positive and confirmed positive cases.

In 2021, **112** equine cases of EEE were reported from **16** States. Figure 1 shows the annual number of equine EEE cases reported in the United States from 2008 through 2021. Figure 2 shows the number of equine EEE cases in each State in 2021, and table 1 provides the number of cases per county or parish in those States in 2021.

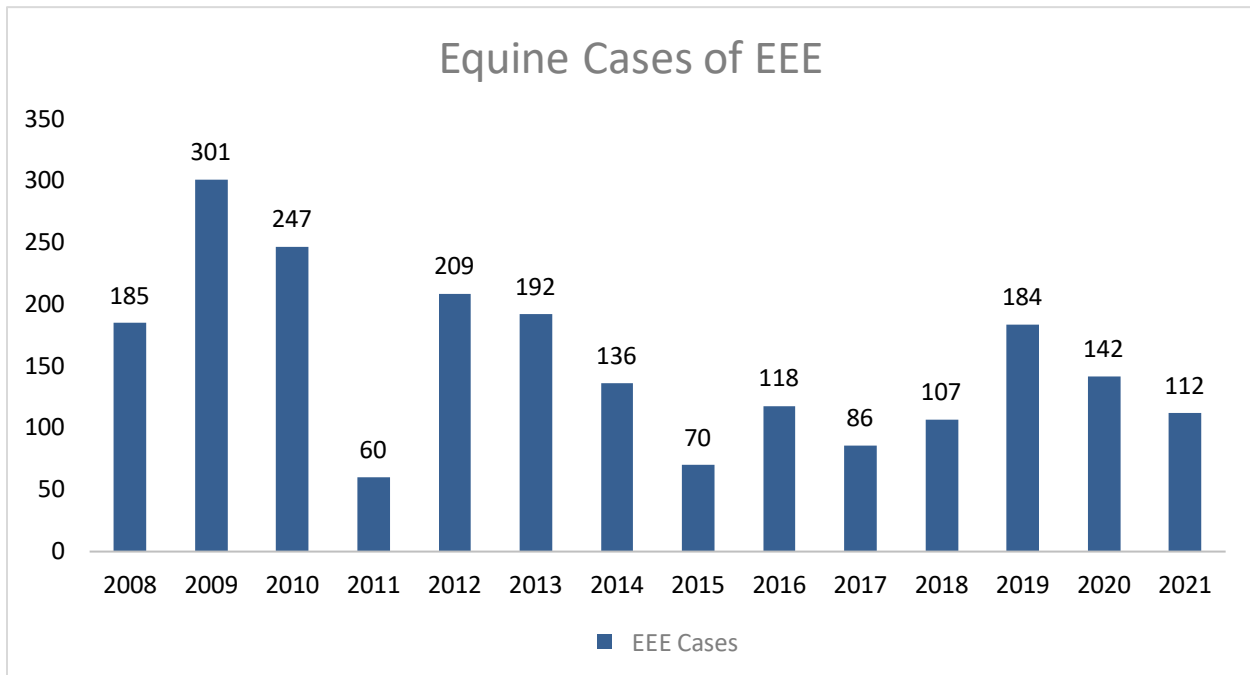


Figure 1. Reported U.S. equine cases of Eastern equine encephalitis, 2008-2021

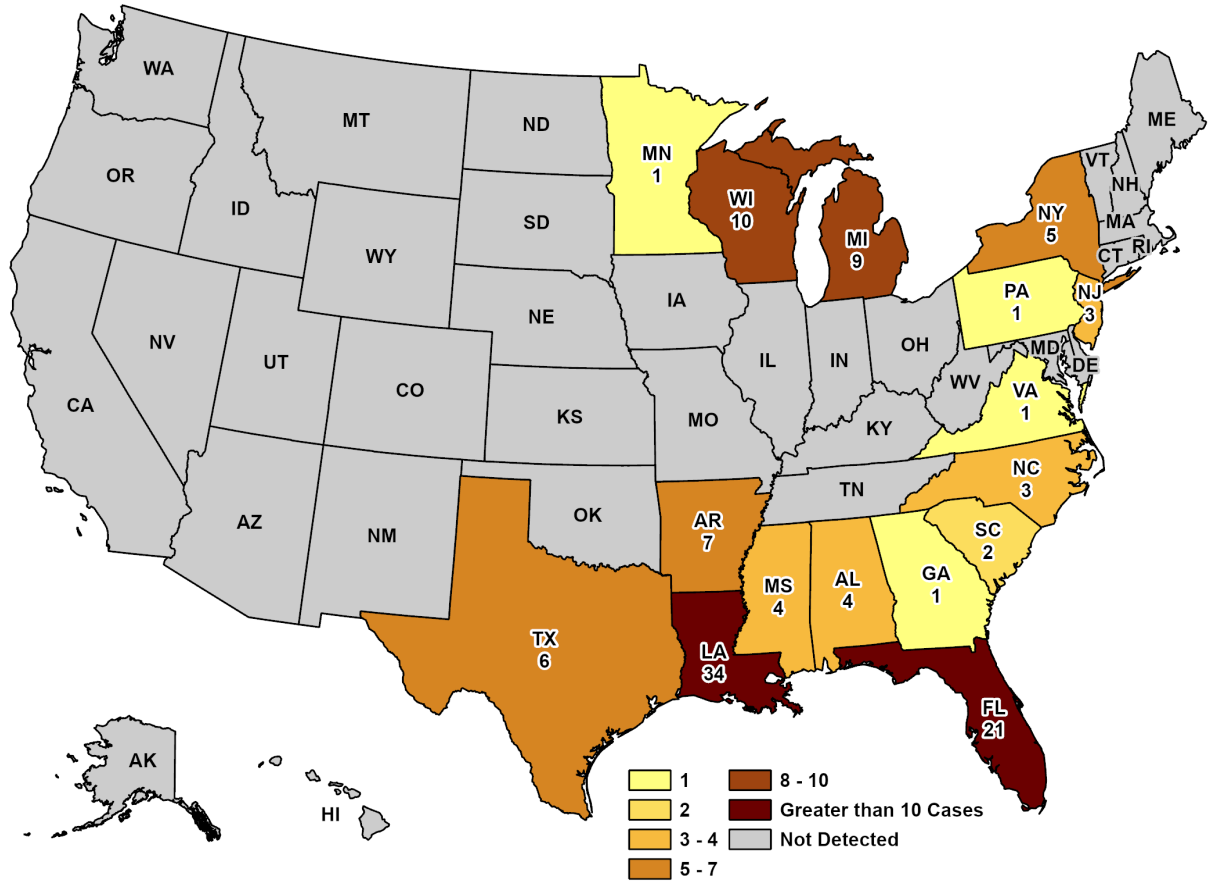


Figure 2. Distribution of reported equine EEE cases in 2021 (112 total cases)

Table 1. Number of reported equine EEE cases by State and county, 2021

State	County	Eastern Equine Encephalitis Reported Cases
Alabama	Baldwin County	1
	Covington County	1
	Geneva County	1
	Mobile County	1
	Total Cases for Alabama	4
Arkansas	Chicot County	1
	Columbia County	1
	Pulaski County	3
	Scott County	1
	Stone County	1
Total Cases for Arkansas	7	
Florida	Bay County	1
	Bradford County	1

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State	County	Eastern Equine Encephalitis Reported Cases
	Duval County	1
	Glades County	1
	Hendry County	1
	Jackson County	1
	Jefferson County	2
	Lake County	2
	Leon County	1
	Levy County	2
	Liberty County	1
	Madison County	1
	Nassau County	2
	Santa Rosa County	1
	Volusia County	2
	Walton County	1
Total Cases for Florida		21
Georgia	Long County	1
Total Cases for Georgia		1
Louisiana	Acadia Parish	1
	Beauregard Parish	6
	Calcasieu Parish	2
	Evangeline Parish	1
	Iberville Parish	1
	Jefferson Davis Parish	4
	Lafayette Parish	1
	Pointe Coupee Parish	1
	Rapides Parish	2
	St. Landry Parish	2
	St. Martin Parish	1
	St. Tammany Parish	2
	Tangipahoa Parish	3
	Vermilion Parish	4
	Vernon Parish	1
	Webster Parish	1
	West Baton Rouge Parish	1
Total Cases for Louisiana		34
Michigan	Barry County	1
	Genesee County	1
	Gladwin County	1

State	County	Eastern Equine Encephalitis Reported Cases
	Ingham County	1
	Livingston County	2
	Otsego County	1
	Shiawassee County	2
Total Cases for Michigan		9
Minnesota	Itasca County	1
Total Cases for Minnesota		1
Mississippi	Greene County	1
	Harrison County	1
	Jackson County	2
Total Cases for Mississippi		4
New Jersey	Atlantic County	1
	Camden County	1
	Cumberland County	1
Total Cases for New Jersey		3
New York	Cattaraugus County	1
	Oswego County	3
	Ulster County	1
Total Cases for New York		5
North Carolina	Brunswick County	1
	Onslow County	1
	Pender County	1
Total Cases for North Carolina		3
Pennsylvania	Mercer County	1
Total Cases for Pennsylvania		1
South Carolina	Colleton County	1
	Sumter County	1
Total Cases for South Carolina		2
Texas	Bowie County	2
	Harris County	1
	Henderson County	1
	Jasper County	1
	Leon County	1
Total Cases for Texas		6
Virginia	Dinwiddie County	1
Total Cases for Virginia		1
Wisconsin	Burnett County	1
	Calumet County	1
	Chippewa County	1
	Clark County	1

State	County	Eastern Equine Encephalitis Reported Cases
	Green Lake County	1
	Marquette County	1
	Monroe County	1
	Shawano County	1
	Taylor County	1
	Waupaca County	1
Total Cases for Wisconsin		10
Total Reported Eastern Equine Encephalitis Cases for the United States		112

EEE is a deadly disease in equids, where mortality rates can approach 90 percent in unvaccinated animals. This susceptibility to the virus makes equids a recognized EEE sentinel species for the human population. The main public health purpose of confirming and reporting equine EEE cases is to inform human surveillance efforts. Because equine commercial vaccines are available and convey good protection against EEE infection, reported cases of EEE in equids tend to be in unvaccinated or under-vaccinated animals.