



Division of Community and Public Health

[USGS map of Missouri Human Cases \(updated weekly\)](#)

**Missouri Department of Health and Senior Services
2013 Reports of Mosquito-borne Disease in Humans
As of December 31, 2013**

**Total verified domestic human mosquito-borne disease cases: 29
Total verified domestic mosquito-borne disease-related fatalities*: 2**

PLEASE NOTE: This official case count reported by Missouri Department of Health and Senior Services may include cases still under investigation or in various stages of testing, including supplemental or confirmatory laboratory testing. These results are preliminary and subject to change.

Table 1: West Nile virus and other domestic arboviruses

Arbovirus	Case Status	Laboratory Confirmed	Local Health Agency	County Name	Acquired in state?	Onset Date	Age	Sex	Fatality*	Hospitalized
WNV	Probable	No	St. Louis County	St. Louis County	Yes	08/14/2013	54	M	No	Yes
WNV	Probable	No	St. Louis County	St. Louis County	Yes	08/24/2013	55	M	No	Yes
WNV	Probable	No	St. Louis County	St. Louis County	Yes	09/01/2013	54	M	No	No
WNV	Confirmed	Yes	Ste. Genevieve County	Ste. Genevieve County	Unknown	09/07/2013	54	M	No	Yes
WNV	Confirmed	Yes	Kansas City	Jackson	Yes	09/03/2013	48	M	No	Yes
WNV	Confirmed	Yes	Kansas City	Jackson	Yes	08/26/2013	62	M	Unknown	Yes
WNV	Confirmed	Yes	St. Louis City	St. Louis City	Unknown	09/01/2013	79	M	No	No
WNV	Confirmed	Yes	St. Louis City	St. Louis City	Unknown	09/01/2013	37	F	No	Yes
WNV	Confirmed	Yes	Lawrence County	Lawrence County	Yes	09/12/2013	N/A	N/A	No	Yes
WNV	Confirmed	Yes	Jefferson County	Jefferson County	Unknown	09/12/2013	80	F	No	No
WNV	Confirmed	Yes	St. Louis County	St. Louis County	Yes	09/14/2013	61	M	No	Yes
WNV	Probable	No	Kansas City	Jackson	Yes	09/17/2013	69	M	No	Yes

Arbovirus	Case Status	Laboratory Confirmed	Local Health Agency	County Name	Acquired in state?	Onset Date	Age	Sex	Fatality*	Hospitalized
WNV	Confirmed	Yes	St. Louis County	St. Louis County	Unknown	09/18/2013	80	M	No	No
WNV	Confirmed	Yes	St. Louis County	St. Louis County	Yes	09/17/2013	77	F	Yes	Yes
WNV	Probable	No	St. Louis County	St. Louis County	Yes	09/10/2013	74	F	No	Yes
WNV	Confirmed	Yes	Chariton County	Chariton County	Yes	09/23/2013	N/A	N/A	No	Yes
WNV	Confirmed	Yes	Kansas City	Jackson County	Unknown	09/16/2013	29	F	No	Yes
WNV	Probable	No	Jefferson County	Jefferson County	Unknown	09/26/2013	70	F	No	No
WNV	Probable	No	Dent County	Dent County	Yes	10/02/2013	N/A	N/A	No	Yes
WNV	Probable	No	Ray County	Ray County	Yes	10/07/2013	N/A	N/A	No	No
WNV	Probable	No	Laclede County	Laclede County	Yes	10/13/2013	79	F	Yes	Yes
WNV	Confirmed	Yes	Clay County	Clay County	Unknown	10/08/2013	61	F	No	Yes
WNV	Probable	No	Randolph County	Randolph County	No	09/09/2013	52	F	No	Yes
WNV	Confirmed	Yes	Saline County	Saline County	Unknown	09/19/2013	61	M	No	Yes
WNV	Probable	No	Callaway County	Callaway County	Unknown	09/21/2013	73	F	No	Yes
WNV	Confirmed	Yes	St. Charles County	St. Charles County	Unknown	10/04/2013	25	F	No	Yes
WNV	Probable	No	Andrew County	Andrew County	Unknown	09/22/2013	54	M	Unknown	Unknown
WNV	Probable	No	Buchanan County	Buchanan County	Unknown	10/05/2013	40	M	Unknown	Unknown
WNV	Confirmed	Yes	Lafayette County	Lafayette County	Unknown	11/01/2013	33	M	No	Yes

Summary of Domestic Human Mosquito-borne Disease Cases Reported by Local Health Agency

Local Health Agency	Number of Reported Cases
Andrew County	1
Buchanan County	1

Local Health Agency	Number of Reported Cases
Callaway County	1
Chariton County	1
Clay County	1
Dent County	1
Jefferson County	2
Kansas City	4
Laclede County	1
Lafayette County	1
Lawrence County	1
Randolph County	1
Ray County	1
St. Charles County	1
St. Louis City	2
St. Louis County	7
Ste. Genevieve County	1
Saline County	1

Total verified human dengue infections: 5

Table 2: Imported dengue infections

Arbovirus	Case Status	Laboratory Confirmed	Local Health Agency	County Name	Acquired in state?	Onset Date	Age	Sex	Fatality*	Hospitalized
DEN	Probable	No	St. Louis County	St. Louis County	No	07/21/2013	27	Female	No	Unknown
DEN	Probable	No	St. Louis County	St. Louis County	No	08/25/2013	29	Male	No	No
DEN	Confirmed	Yes	Columbia/Boone County	Boone County	No	08/23/2013	30	Male	No	Yes
DEN	Probable	No	St. Joseph City	Buchanan County	No	10/16/2013	71	Male	No	No
DEN	Probable	No	St. Louis City	St. Louis City	No	12/10/2013	50	Female	No	Unknown

Summary of Imported Human Dengue Infections Reported by Local Health Agency

Local Health Agency	Number of Reported Cases
Boone County	1
St. Joseph City	1
St. Louis City	1

Local Health Agency	Number of Reported Cases
St. Louis County	2

- WNV** = West Nile virus
SLE = St. Louis encephalitis virus
DEN = dengue virus
EEE = Eastern Equine encephalitis virus
- N/A** = Information not available

*The immediate causes of death in patients with West Nile and other related viral encephalitis commonly include pneumonia, heart attack, pulmonary embolism, septicemia, etc., rather than direct neurological damage or dysfunction, per se. For some individuals with serious pre-existing health problems, West Nile virus infection is a contributory cause of death.

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