



Division of Community and Public Health

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

**Missouri Department of Health and Senior Services
2012 Reports of Mosquito-borne Disease in Humans
As of December 31, 2012**

**Total verified domestic human mosquito-borne disease cases: 21
Total verified domestic mosquito-borne disease-related fatalities*: 3**

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	No	12/22/2011	9	Male	No	Yes
WNV	Confirmed	Yes	Randolph County	Randolph County	Yes	6/21/2012	68	Male	No	Yes
WNV	Confirmed	Yes	Stoddard County	Stoddard County	Yes	7/13/2012	79	Male	No	Yes
WNV	Probable	No	Kansas City	Jackson County	No	7/21/2012	37	Female	No	No
WNV	Confirmed	Yes	Laclede County	Laclede County	Yes	7/25/2012	78	Male	Yes*	Yes
WNV	Probable	No	St. Louis County	St. Louis County	Yes	7/29/2012	55	Female	No	Yes
WNV	Probable	No	Lewis County	Lewis County	Unknown	8/8/2012	54	Male	No	No
WNV	Confirmed	Yes	St. Charles	St. Charles	Unknown	8/9/2012	52	Male	No	No
WNV	Confirmed	Yes	St. Louis County	St. Louis County	Unknown	8/10/2012	48	Female	No	No
WNV	Probable	No	Kansas City	Jackson County	Unknown	8/14/2012	90	Male	No	Yes
WNV	Confirmed	Yes	St. Louis City	St. Louis City	Yes	8/14/2012	55	Male	No	No

Arbovirus	Case Status	Laboratory Confirmed	Local Health Agency	County Name	Acquired in state?	Onset Date	Age	Sex	Fatality*	Hospitalized
WNV	Confirmed	Yes	St. Louis City	St. Louis City	Unknown	8/22/2012	46	Male	No	Yes
WNV	Probable	No	Kansas City	Jackson County	Yes	8/27/2012	69	Female	No	Yes
WNV	Confirmed	Yes	St. Louis City	St. Louis City	Unknown	8/28/2012	71	Male	No	Yes
WNV	Confirmed	Yes	St. Louis City	St. Louis City	Yes	8/31/2012	63	Male	No	Yes
WNV	Probable	No	Dunklin County	Dunklin County	Unknown	9/1/2012	57	Male	No	Yes
WNV	Probable	No	Shannon County	Shannon County	No	9/4/2012	53	Male	No	No
WNV	Probable	No	Lafayette County	Lafayette County	Unknown	9/11/2012	34	Male	No	Yes
WNV	Confirmed	Yes	St. Louis City	St. Louis City	Unknown	9/15/2012	66	Male	Unknown	Unknown
WNV	Probable	No	St. Louis City	St. Louis City	Unknown	9/16/2012	62	Male	Yes*	Yes
WNV	Confirmed	Yes	Carroll County	Carroll County	Yes	9/29/2012	80	Male	Yes*	Yes

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

Local Health Agency	Number of Reported Cases
Carroll County	1
Dunklin County	1
Kansas City	3
Laclede County	1
Lafayette County	1
Lewis County	1
Randolph County	1
Shannon County	1
St. Charles County	1
St. Louis City	6
St. Louis County	3
Stoddard County	1
TOTAL	21

Total verified imported human dengue infections: 6

Table 2: Imported dengue infections

Arbovirus	Case Status	Laboratory Confirmed	Local Health Agency	County Name	Onset Date	Age	Sex	Fatality*	Hospitalized
DEN	Probable	No	Christian County	Christian County	6/28/2012	19	M	No	Yes
DEN	Probable	No	St. Charles County	St. Charles County	7/8/2012	44	M	No	Yes
DEN	Probable	No	Cape Girardeau County	Cape Girardeau County	7/28/2012	18	F	No	No
DEN	Probable	No	St. Louis City	St. Louis City	8/4/2012	21	M	No	No
DEN	Confirmed	Yes	Kansas City	Platte County	11/17/2012	31	M	No	Yes
DEN	Probable	No	Kansas City	Clay County	11/30/2012	31	M	No	Yes

Summary of Imported Human Dengue Infections Reported by Local Health Agency

Local Health Agency	Number of Reported Cases
Cape Girardeau County	1
Christian County	1
Kansas City	2
St. Charles County	1
St. Louis City	1

- 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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