



Division of Community and Public Health

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

**Missouri Department of Health and Senior Services
2010 Mosquito-borne Disease Human Cases
As of December 31, 2010**

**Total verified domestic human mosquito-borne disease cases: 4
Total verified domestic mosquito-borne disease-related fatalities*: None**

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	Onset Date	Age	Sex	Fatality*	Hospitalized
SLE	Confirmed	Yes	St. Louis City	St. Louis City	7/06/10	23	F	No	Yes
WNV	Confirmed	Yes	St. Louis County	St. Louis County	7/26/10	51	M	No	Yes
WNV	Confirmed	Yes	Laclede County	Laclede County	8/13/10	N/A	N/A	No	Yes
WNV	Confirmed	Yes	St. Charles County	St. Charles County	9/1/2010	28	F	No	Yes

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

Local Health Agency	Number of Reported Cases
Laclede County	1
St. Charles County	1
St. Louis City	1
St. Louis County	1

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	St. Louis city	St. Louis City	01/01/2010	53	Male	No	Unknown
DEN	Probable	No	St. Charles County	St. Charles	06/24/2010	33	Male	No	No
DEN	Confirmed	Yes	St. Louis County	St. Louis County	07/10/2010	21	Female	No	Yes
DEN	Probable	No	Cole County	Cole County	07/17/2010	22	Female	No	No
DEN	Probable	No	St. Charles County	St. Charles	07/26/2010	36	Female	No	No
DEN	Probable	No	St. Louis County	St. Louis County	12/12/2010	38	Male	No	No

Summary of Imported Human Dengue Infections Reported by Local Health Agency

Local Health Agency	Number of Reported Cases
Cole County	1
St. Charles County	2
St. Louis City	1
St. Louis County	2

- WNV** = West Nile virus
SLE = St. Louis encephalitis virus
DEN = dengue 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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