



Division of Community and Public Health

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

**Missouri Department of Health and Senior Services
2015 Reports of Mosquito-borne Disease in Humans
Week 52
Ending January 2, 2016**

**Total verified domestic human mosquito-borne disease cases: 29
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	County Name	Imported From	Onset Date	Fatality*	Hospitalized
WNV	Probable	No	St. Louis City	Acquired Out of State	7/23/2015	No	Yes
WNV	Probable	No	Schuyler	Unknown	7/24/2015	No	Yes
WNV	Probable	No	St. Louis City	Not Imported	8/7/2015	No	Yes
WNV	Probable	No	St. Louis City	Unknown	8/12/2015	No	Unk
WNV	Probable	No	St. Louis City	Not Imported	8/14/2015	No	No
WNV	Probable	No	St. Louis City	Not Imported	8/14/2015	Yes	Yes
WNV	Probable	No	St. Louis County	Not Imported	8/16/2015	Yes	Yes
WNV	Probable	No	St. Louis City	Unknown	8/16/2015	Unk	Unk
WNV	Probable	No	St. Louis County	Not Imported	8/19/2015	No	Yes
WNV	Probable	No	St. Charles	Not Imported	8/19/2015	No	No
WNV	Probable	No	St. Louis County	Not Imported	8/19/2015	No	Yes
WNV	Confirmed	Yes	St. Louis County	Unknown	8/20/2015	No	Yes
WNV	Confirmed	Yes	Pettis	Not Imported	8/21/2015	Yes	Yes

WNV	Confirmed	Yes	St. Louis County	Not Imported	8/24/2015	No	Yes
WNV	Probable	No	Clay	Unknown	8/29/2015	No	Yes
WNV	Probable	No	Miller	Not Imported	8/31/2015	No	Yes
WNV	Probable	No	St. Louis County	Unknown	9/2/2015	No	No
WNV	Probable	No	St. Louis City	Unknown	9/3/2015	No	Unk
WNV	Probable	No	St. Louis City	Unknown	9/3/2015	No	Yes
WNV	Probable	No	Pike	Unknown	9/8/2015	No	Yes
WNV	Probable	No	Clay	Not Imported	9/10/2015	No	Yes
WNV	Probable	No	St. Louis County	Unknown	9/11/2015	No	No
WNV	Probable	No	Jefferson	Acquired Out of State	9/13/2015	No	Yes
WNV	Probable	No	Cedar	Not Imported	9/16/2015	No	Yes
WNV	Confirmed	Yes	Boone	Not Imported	9/17/2015	No	No
WNV	Probable	No	Clay	Not Imported	9/19/2015	No	Yes
WNV	Probable	No	Morgan	Acquired Out of State	9/27/2015	Unk	Unk
WNV	Probable	No	Linn	Not Imported	9/30/2015	No	Yes
WNV	Probable	No	McDonald	Not Imported	9/30/2015	No	Yes

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

Local Health Agency	Number of Reported Cases
Boone County	1
Cedar County	1
Clay County	3
Jefferson County	1
Linn County	1
McDonald County	1
Miller County	1

Morgan County	1
Pettis County	1
Pike County	1
Schuyler County	1
St. Charles County	1
St. Louis City	8
St. Louis County	7

Total verified imported human chikungunya infections: 4

Table 2: Imported Chikungunya virus infections

Arbovirus	Case Status	Laboratory Confirmed	County Name	Imported From	Onset Date	Fatality*	Hospitalized
CHIK	Confirmed	Yes	Greene County	Out of Country	1/10/15	No	No
CHIK	Confirmed	Yes	St. Louis County	Out of Country	2/9/15	No	No
CHIK	Confirmed	Yes	St. Louis County	Out of Country	7/1/2015	No	Yes
CHIK	Probable	No	St. Louis City	Out of Country	7/29/2015	No	No
CHIK	Confirmed	Yes	Buchanan County	Out of Country	11/25/2015	No	No

Summary of Imported Human Chikungunya Infections Reported by Local Health Agency

Local Health Agency	Number of Reported Cases
Buchanan	1
Greene County	1
St. Louis City	1
St. Louis County	2

Total verified imported human dengue infections: 2

Table 3: Imported dengue infections

Arbovirus	Case Status	Laboratory Confirmed	County Name	Imported From	Onset Date	Fatality	Hospitalized
DEN	Confirmed	Yes	St. Louis City	Out of Country	7/30/2015	Unk	Unk
DEN	Probable	No	Greene County	Out of Country	8/12/2015	No	No
DEN	Confirmed	Yes	Saline County	Out of Country	10/25/2015	No	Unk

**Summary of Imported Human Dengue Infections
Reported by Local Health Agency**

Local Health Agency	Number of Reported Cases
Greene County	1
Saline County	1
St. Louis City	1

Table 4: Imported zika infections

Arbovirus	Case Status	Laboratory Confirmed	Imported From	Onset Date	Fatality	Hospitalized
ZIKA	Confirmed	Yes	Out of Country	11/30/2015	No	No

- WNV** = West Nile virus
- SLE** = St. Louis encephalitis virus
- DEN** = dengue virus
- EEE** = Eastern Equine encephalitis virus
- CHIK** = chikungunya virus
- ZIKA** = zika 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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