



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

**Missouri Department of Health and Senior Services
2016 Reports of Mosquito-borne Disease in Humans
Week 52
Ending December 31, 2016**

**Total verified domestic human mosquito-borne disease cases: 11
Total verified domestic mosquito-borne disease-related fatalities*: 0**

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	Not Imported	8/12/2016	No	Yes
WNV	Probable	No	Cape Girardeau	Not Imported	8/13/2016	No	Yes
WNV	Confirmed	Yes	Jackson	Not Imported	8/15/2016	No	Yes
WNV	Probable	No	Vernon	Not Imported	8/20/2016	No	Yes
WNV	Probable	No	Jackson	Not Imported	9/1/2016	No	Yes
WNV	Probable	No	Clay	Not Imported	9/12/2016	Unknown	Yes
WNV	Probable	No	St. Louis	Not Imported	9/14/2016	No	Yes
WNV	Probable	No	St. Louis	Not Imported	9/17/2016	No	Yes
WNV	Probable	No	St. Louis	Not Imported	9/18/2016	No	Yes
WNV	Probable	No	St. Louis	Not Imported	9/19/2016	Unknown	Unknown
WNV	Probable	No	St. Louis	Not Imported	9/21/2016	No	Yes

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

Local Health Agency	Number of Reported Cases
St. Louis	6
Cape Girardeau	1
Jackson	2
Vernon	1
Clay	1

Table 2: Imported Chikungunya virus infections

Arbovirus	Case Status	Laboratory Confirmed	Imported From	Onset Date	Fatality *	Hospitalized
CHICK	Confirmed	Yes	Not Imported	9/29/2016	Unknown	Unknown

Table 3: Imported dengue infections

Arbovirus	Case Status	Laboratory Confirmed	Imported From	Onset Date	Fatality	Hospitalized
DEN	Confirmed	Yes	Out of Country	1/15/2016	No	No
DEN	Confirmed	Yes	Out of Country	1/15/2016	No	No
DEN	Probable	No	Out of Country	2/23/2016	No	Yes
DEN	Confirmed	Yes	Out of Country	5/4/2016	No	No
DEN	Confirmed	No	Out of Country	7/14/2016	No	No
DEN	Probable	No	Out of Country	7/16/2016	No	No
DEN	Probable	No	Out of Country	7/25/2016	No	Yes
DEN	Probable	No	Out of Country	8/4/2016	No	No
DEN	Probable	No	Out of Country	8/14/2016	No	No
DEN	Probable	No	Out of Country	8/22/2016	No	No
DEN	Confirmed	Yes	Out of Country	9/9/2016	Unk	Unk
DEN	Probable	No	Out of Country	10/27/2016	No	Yes
DEN	Probable	No	Out of Country	11/16/2016	No	No

Table 4: Imported zika infections

Arbovirus	Case Status	Laboratory Confirmed	Imported From	Onset Date	Fatality	Hospitalized
ZIKA	Confirmed	Yes	Out of Country	1/13/2016	No	No
ZIKA	Confirmed	Yes	Out of Country	1/13/2016	No	No
ZIKA	Probable	No	Out of Country	2/22/2016	Unk	Unk
ZIKA	Confirmed	Yes	Out of Country	3/29/2016	No	No
ZIKA	Confirmed	Yes	Out of Country	6/1/2016	Unk	Unk
ZIKA	Probable	No	Out of Country	6/7/2016	No	Yes
ZIKA	Confirmed	Yes	Out of Country	6/7/2016	Unk	Unk
ZIKA	Confirmed	Yes	Out of Country	6/9/2016	Unk	Unk
ZIKA	Confirmed	Yes	Out of Country	6/9/2016	No	Unk
ZIKA	Confirmed	Yes	Out of Country	6/16/2016	Unk	Unk
ZIKA	Confirmed	Yes	Out of Country	6/16/2016	Unk	Unk
ZIKA	Confirmed	Yes	Out of Country	6/23/2016	No	Unk
ZIKA	Confirmed	Yes	Out of Country	7/1/2016	No	Unk
ZIKA	Confirmed	Yes	Out of Country	7/9/2016	No	No
ZIKA	Confirmed	Yes	Out of Country	7/15/2016	Unk	Unk
ZIKA	Probable	No	Not Imported	7/18/2016	Unk	Yes
ZIKA	Confirmed	Yes	Out of Country	7/19/2016	No	No
ZIKA	Confirmed	Yes	Out of Country	7/27/2016	No	No
ZIKA	Probable	No	Out of Country	7/28/2016	Unk	Unk
ZIKA	Confirmed	Yes	Out of Country	7/29/2016	No	No
ZIKA	Confirmed	Yes	Out of Country	7/30/2016	No	No
ZIKA	Confirmed	Yes	Out of Country	7/31/2016	Unk	Unk
ZIKA	Confirmed	Yes	Out of Country	8/1/2016	Unk	Unk
ZIKA	Confirmed	Yes	Out of Country	8/1/2016	Unk	Unk
ZIKA	Probable	No	Out of Country	8/2/2016	Unk	Unk
ZIKA	Confirmed	Yes	Out of Country	8/6/2016	Unk	Unk
ZIKA	Confirmed	Yes	Out of State	8/7/2016	No	No
ZIKA	Confirmed	Yes	Out of Country	8/8/2016	Unk	Unk

ZIKA	Confirmed	Yes	Out of Country	8/10/2016	Unk	Unk
ZIKA	Confirmed	Yes	Out of Country	8/14/2016	Unk	Unk
ZIKA	Probable	No	Not Imported	8/14/2016	No	No
ZIKA	Probable	No	Out of Country	8/14/2016	No	Yes
ZIKA	Confirmed	Yes	Out of Country	8/15/2016	No	No
ZIKA	Confirmed	Yes	Out of Country	9/11/2016	No	No
ZIKA	Confirmed	Yes	Out of Country	9/26/2016	No	Unk
ZIKA	Confirmed	Yes	Out of Country	10/21/2016	No	No
ZIKA	Confirmed	Yes	Out of Country	10/31/2016	No	No
ZIKA	Confirmed	Yes	Out of Country	11/7/2016	Unk	Unk

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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