



Division of Community and Public Health

[CDC WNV Cases Maps and Data \(updated weekly\)](#)

Missouri Department of Health and Senior Services 2021 Reports of Arboviral Disease in Humans Week 52 Ending January 01, 2022

Total verified domestic human arboviral disease cases: 14
Total verified domestic arboviral disease-related fatalities*: 1

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 mosquito-borne arboviruses

Arbovirus	Case Status	Laboratory Confirmed†	County Name	Imported From	Onset Date	Fatality*	Hospitalized
West Nile	Confirmed	Yes	Laclede	N/A	07/19/2021	No	Yes
West Nile	Probable	No	St Charles	Acquired out of state	08/20/2021	No	Yes
West Nile	Probable	No	St Louis County	N/A	09/11/2021	No	Yes
West Nile	Probable	No	St Louis County	N/A	09/07/2021	No	Yes
West Nile	Probable	No	St Louis City	Acquired out of state	09/01/2021	No	Yes
West Nile	Probable	No	Jackson	Acquired out of state	08/20/2021	No	No
West Nile	Probable	No	Cass	N/A	08/15/2021	No	Unknown
West Nile	Probable	No	St Louis City	N/A	09/06/2021	No	Yes
West Nile	Confirmed	Yes	Boone	N/A	08/29/2021	Yes	Yes
West Nile	Probable	No	Jackson	N/A	10/06/2021	No	Yes
West Nile	Probable	No	St Louis City	N/A	10/07/2021	No	Yes
West Nile	Probable	No	Jackson	N/A	10/08/2021	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 County	2
St Louis City	3
Jackson County	3
Cass County	1
Boone County	1

Table 2: Heartland infections

Arbovirus	Case Status	Laboratory Confirmed†	County Name	Onset Date	Fatality*	Hospitalized
Heartland	Confirmed	Yes	Putnam	05/06/2021	No	Yes
Heartland	Confirmed	Yes	Nodaway	09/18/2021	No	Yes

Table 3: Imported Chikungunya virus infections

Arbovirus	Case Status	Laboratory Confirmed†	Imported From	Onset Date	Fatality*	Hospitalized
Chikungunya	Probable	No	Acquired Out of Country	12/14/2021	No	Yes

Table 4: Imported dengue infections

Arbovirus	Case Status	Laboratory Confirmed†	Imported From	Onset Date	Fatality	Hospitalized
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5: Imported zika infections

Arbovirus	Case Status	Laboratory Confirmed†	Imported From	Onset Date	Fatality	Hospitalized
N/A	N/A	N/A	N/A	N/A	N/A	N/A

- 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.

†All probable and confirmed cases of arboviral disease must meet certain laboratory criteria in order to be counted for surveillance purposes; however, the laboratory criteria differ between probable and confirmed cases. The values in the “laboratory confirmed” column in this report previously listed “yes” for cases that met any of the laboratory criteria for surveillance as defined in the Centers for Disease Control and Prevention National Notifiable Diseases Surveillance System (CDC NNDSS) Arboviral Diseases, Neuroinvasive and Non-neuroinvasive 2015 Case Definition, found [here](#). On January 11, 2022, the “laboratory confirmed” column was updated to list “yes” only for those cases that met the laboratory criteria for a *confirmed* case as defined by the CDC NNDSS case definition. This update was performed to make this column consistent with previous years’ reports.

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