



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

Division of Community and Public Health
Missouri Department of Health and Senior Services
2023 Reports of Arboviral Disease in Humans
Week 52
Ending December 30, 2023

Total verified domestic human arboviral disease cases: 36

Total verified domestic arboviral 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 mosquito-borne arboviruses

Arbovirus	Case Status	Laboratory Confirmed	County Name	Imported From	Onset Date	Fatality*	Hospitalized
WNV	Probable	No	Jackson	Not Imported	5/29/2023	No	Yes
WNV	Probable	No	St. Charles	Not Imported	7/19/2023	No	Yes
WNV	Confirmed	Yes	Laclede	Not Imported	7/25/2023	No	Yes
WNV	Probable	No	Saline	Not Imported	7/7/2023	No	Yes
WNV	Confirmed	Yes	St. Louis City	Not Imported	8/4/2023	No	Yes
WNV	Probable	No	St. Louis City	Not Imported	8/10/2023	No	Yes
WNV	Confirmed	Yes	Laclede	Not Imported	8/10/2023	Yes	Yes
WNV	Probable	No	Webster	Not Imported	8/11/2023	No	Yes
WNV	Probable	No	St. Louis County	Not Imported	8/22/2023	No	Yes
WNV	Probable	No	St. Louis County	Not Imported	8/22/2023	Unk	Yes
WNV	Probable	No	Jackson	Not Imported	8/21/2023	No	Yes
WNV	Probable	No	Carter	Not Imported	8/8/2023	No	Yes
WNV	Probable	No	St. Charles	Not Imported	8/17/2023	No	Yes

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**Missouri Department of Health and Senior Services**

P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010
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Paula F. Nickelson
 Director

Michael L. Parson
 Governor

WNV	Probable	No	St. Louis City	Not Imported	8/9/2023	No	Yes
WNV	Confirmed	Yes	Marion	Not Imported	8/21/2023	No	Yes
WNV	Probable	No	St. Louis County	Not Imported	8/5/2023	No	Yes
WNV	Probable	No	St. Louis County	Not Imported	8/30/2023	No	Yes
WNV	Probable	No	Greene	Not Imported	8/21/2023	No	Yes
WNV	Probable	No	St. Louis County	Not Imported	8/18/2023	Yes	Yes
WNV	Confirmed	Yes	St. Charles	Not Imported	8/31/2023	No	No
WNV	Probable	No	St. Louis County	Not Imported	8/28/2023	No	Yes
WNV	Probable	No	Dallas	Not Imported	9/10/2023	No	Yes
WNV	Probable	No	Jackson	Not Imported	9/4/2023	No	Yes
WNV	Probable	No	St. Louis County	Not Imported	8/29/2023	Unk	Yes
WNV	Probable	No	Platte	Not Imported	9/12/2023	No	Yes
WNV	Probable	No	Greene	Not Imported	9/9/2023	No	Yes
WNV	Probable	No	Greene	Not Imported	9/3/2023	No	Yes
WNV	Probable	No	St. Louis County	Not Imported	9/29/2023	No	Yes
WNV	Probable	No	Texas	Not Imported	9/11/2023	No	Yes
WNV	Probable	No	St. Louis City	Not Imported	9/20/2023	No	Yes
WNV	Probable	No	St. Louis County	Not Imported	11/13/2023	No	Yes
WNV	Probable	No	Butler	Not Imported	11/17/2023	No	Yes
WNV	Probable	No	Buchanan	Not Imported	10/7/2023	No	Yes
WNV	Probable	No	Shannon	Not Imported	10/1/2023	No	Yes

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

Local Health Agency	Number of Reported Cases
Jackson	3
Laclede	2
St. Charles	3
Saline	1
St. Louis City	4
St. Louis County	9
Webster	1
Carter	1
Marion	1
Greene	3
Dallas	1
Platte	1
Texas	1
Butler	1
Buchanan	1
Shannon	1

Table 2: Heartland infections

Arbovirus	Case Status	Laboratory Confirmed	County Name	Onset Date	Fatality*	Hospitalized
Heartland	Confirmed	Yes	Randolph	5/24/2023	No	Yes
Heartland	Confirmed	Yes	Platte	4/21/2023	Yes	Yes

Table 3: Imported Chikungunya virus infections

Arbovirus	Case Status	Laboratory Confirmed	Imported From	Onset Date	Fatality*	Hospitalized
CHIK	Probable	No	India	1/2/2023	No	Yes

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Table 4: Imported dengue infections

Arbovirus	Case Status	Laboratory Confirmed	Imported From	Onset Date	Fatality	Hospitalized
DEN	Confirmed	Yes	Costa Rica	8/5/2023	No	No
DEN	Probable	No	Mexico	8/17/2023	No	Yes
DEN	Confirmed	Yes	Cuba	8/18/2023	No	Yes
DEN	Probable	No	Mexico	7/29/2023	No	Yes
DEN	Confirmed	Yes	Mexico	9/22/2023	No	Yes
DEN	Confirmed	Yes	Dominican Republic	9/17/2023	No	Yes
DEN	Probable	No	Mexico	8/14/2023	No	Yes
DEN	Probable	No	Dominican Republic	12/2/2023	No	No
DEN	Probable	No	Saint Barthelemy	12/9/2023	No	No
DEN	Probable	No	Saint Barthelemy	12/9/2023	No	No
DEN	Probable	No	Saint Barthelemy	12/10/2023	No	No
DEN	Probable	No	Saint Barthelemy	12/9/2023	No	No

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.

Contact us at:
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