



[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: 37**

**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
WNV	Probable	No	Pulaski	Not Imported	9/2/2023	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
Pulaski	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:  
 Zoonotic Disease Program  
 Bureau of Communicable Disease Control and Prevention  
 P. O. Box 570, 930 Wildwood Drive  
 Jefferson City, MO 65102-570  
 Phone: 573-751-6113 Fax: 573-751-4664  
 Email: [DHSS.OVPH@health.mo.gov](mailto:DHSS.OVPH@health.mo.gov)

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