

**Missouri Department of Health and Senior Services**

P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010
RELAY MISSOURI for Hearing and Speech Impaired and Voice dial: 711

Paula F. Nickelson
Director



Michael L. Parson
Governor

Division of Community and Public Health

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

Missouri Department of Health and Senior Services**2024 Reports of Arboviral Disease in Humans****Week 52****Ending December 28, 2024**

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	Lincoln County	Not Imported	7/4/2024	Yes	Yes
WNV	Probable	No	Lincoln County	Not Imported	7/11/2024	No	Yes
WNV	Confirmed	Yes	St. Louis County	Not Imported	7/12/2024	No	Yes
WNV	Probable	No	Jackson County	Not Imported	7/14/2024	No	Yes
WNV	Probable	No	Jackson County	Not Imported	7/14/2024	No	Yes
WNV	Confirmed	Yes	Boone County	Not Imported	7/30/2024	No	No
WNV	Probable	No	St. Louis County	Not Imported	8/5/2024	No	Yes
LAC	Probable	No	Jackson County	Acquired Out of State	8/16/2024	No	Yes
WNV	Probable	No	Jackson County	Not Imported	8/19/2024	No	No
WNV	Probable	No	Buchanan County	Not Imported	8/25/2024	No	Yes
WNV	Probable	No	Buchanan County	Not Imported	9/1/2024	No	Yes
WNV	Probable	No	Greene County	Not Imported	9/7/2024	No	Yes
WNV	Probable	No	St. Francois County	Not Imported	9/13/2024	No	Yes
WNV	Probable	No	St. Louis City	Not Imported	9/26/2024	No	Yes
WNV	Probable	No	St. Louis County	Not Imported	9/28/2024	No	Yes
WNV	Probable	No	Jackson County	Not Imported	10/6/2024	No	Yes

HEALTHY MISSOURIANS FOR LIFE

The Missouri Department of Health and Senior Services will be the leader in promoting, protecting and partnering for health.

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER: Services provided on a nondiscriminatory basis.

**Missouri Department of Health and Senior Services**

P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010
RELAY MISSOURI for Hearing and Speech Impaired and Voice dial: 711

Paula F. Nickelson
Director



Michael L. Parson
Governor

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

Local Health Agency	Number of Reported Cases
Boone County	1
Buchanan County	2
Greene County	1
Jackson County	5
Lincoln County	2
St. Francois County	1
St. Louis City	1
St. Louis County	3

Total verified domestic human arboviral disease cases: 16
Total verified domestic arboviral disease-related fatalities*: 1

Table 2: Heartland infections

Arbovirus	Case Status	Laboratory Confirmed	County Name	Onset Date	Fatality*	Hospitalized
Heartland	Probable	No	Montgomery	6/29/2024	No	Yes

Table 3: Imported Chikungunya virus infections

Arbovirus	Case Status	Laboratory Confirmed	Imported From	Onset Date	Fatality*	Hospitalized
Chikungunya	Probable	No	INDIA	10/21/2024	No	No
Chikungunya	Probable	Yes	INDIA	12/20/2024	No	No

HEALTHY MISSOURIANS FOR LIFE

The Missouri Department of Health and Senior Services will be the leader in promoting, protecting and partnering for health.

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER: Services provided on a nondiscriminatory basis.

**Missouri Department of Health and Senior Services**

P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010
 RELAY MISSOURI for Hearing and Speech Impaired and Voice dial: 711

Paula F. Nickelson
 Director



Michael L. Parson
 Governor

Table 4: Imported dengue infections

Arbovirus	Case Status	Laboratory Confirmed	Imported From	Onset Date	Fatality	Hospitalized
Dengue	Probable	No	MARTINIQUE	2/6/2024	No	No
Dengue	Probable	No	PUERTO RICO	3/5/2024	No	Yes
Dengue	Probable	No	PUERTO RICO	4/1/2024	No	Yes
Dengue	Confirmed	Yes	BRAZIL	5/29/2024	No	No
Dengue	Confirmed	Yes	INDIA	7/10/2024	No	No
Dengue	Probable	No	CUBA	7/28/2024	No	Unknown
Dengue	Probable	No	EL SALVADOR	7/31/2024	No	Yes
Dengue	Confirmed	Yes	MEXICO	8/7/2024	No	Yes
Dengue	Confirmed	Yes	HONDURAS	8/15/2024	No	Yes
Dengue	Confirmed	Yes	THAILAND	8/26/2024	No	No
Dengue	Probable	No	PAKISTAN	10/4/2024	No	No
Dengue	Probable	No	KENYA	10/28/2024	No	Yes

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
LAC = La Crosse
N/A = Information not available

HEALTHY MISSOURIANS FOR LIFE

The Missouri Department of Health and Senior Services will be the leader in promoting, protecting and partnering for health.

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER: Services provided on a nondiscriminatory basis.



Missouri Department of Health and Senior Services

P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010
RELAY MISSOURI for Hearing and Speech Impaired and Voice dial: 711

Paula F. Nickelson
Director



Michael L. Parson
Governor

*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

HEALTHY MISSOURIANS FOR LIFE

The Missouri Department of Health and Senior Services will be the leader in promoting, protecting and partnering for health.

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER: Services provided on a nondiscriminatory basis.