

Weekly Summary, Michigan 2024

*Arboviruses are viruses transmitted by mosquitoes or other insects

Updated: June 14, 2024



Mosquito pools testing positive for arbovirus infection



Animals testing positive for West Nile virus infection



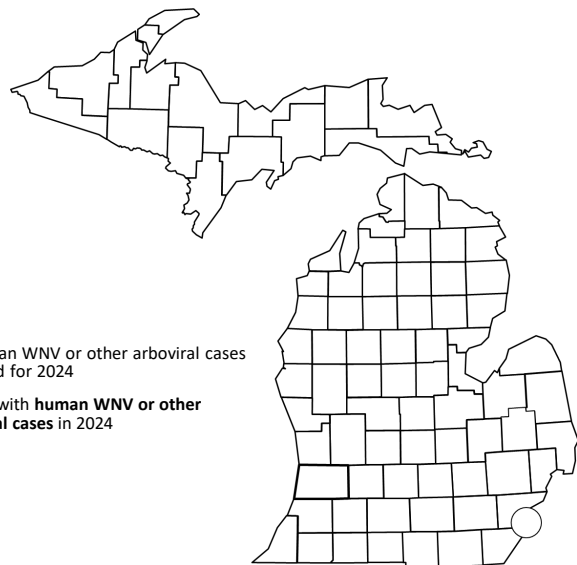
Human cases of West Nile virus or other arboviruses reported

Highlights

2024 Michigan Arbovirus Surveillance	
Total Number of Mosquito Pools Tested	707
Total Number of Mosquitoes Tested	7940
Positive Mosquito Pools	7
Animal Arbovirus cases	0
Human Arbovirus cases	0

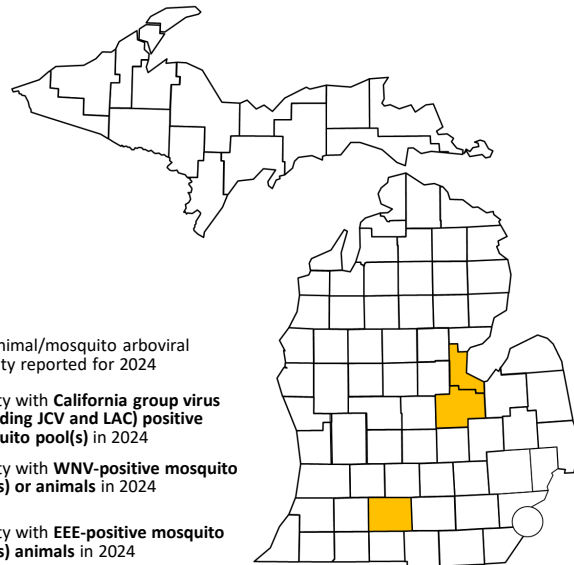
- So far in 2024, seven mosquito pools from Bay (2), Calhoun (1), and Saginaw (4) counties have tested positive for Jamestown Canyon virus.
- In 2023,
 - Twenty-four Michigan residents tested positive for West Nile virus, and six tested positive for Jamestown Canyon virus.
 - Eastern Equine encephalitis virus (EEE) killed one horse from Mecosta County and one deer from Livingston County.
 - 139 mosquito pools tested positive for arbovirus infection, out of 6,351 pools submitted for testing.

Human Cases



No human WNV or other arboviral cases reported for 2024
 County with human WNV or other arboviral cases in 2024

Animal Cases



No animal/mosquito arboviral activity reported for 2024
 County with California group virus (including JCV and LAC) positive mosquito pool(s) in 2024
 County with WNV-positive mosquito pool(s) or animals in 2024
 County with EEE-positive mosquito pool(s) animals in 2024

For more information

www.michigan.gov/westnile



Preventing Mosquito Bites and Arboviruses: Tips for Michigan Residents

The most effective way to avoid arboviruses is to prevent mosquito bites. Be aware of the West Nile virus and other arbovirus activity in your area and take action to protect yourself and your family.



Use Insect Repellent

Use Environmental Protection Agency (EPA)-registered insect repellents with one of the active ingredients below. When used as directed, EPA-registered insect repellents are proven safe and effective, even for pregnant and breastfeeding women.

- DEET
- Picaridin
- IR3535
- Oil of lemon eucalyptus (OLE) or para menthane-diol (PMD)
- 2-undecanone

Find the insect repellent that's right for you by using [EPA's search tool](#)



Tips for Babies & Children

- Always follow instructions when applying insect repellent to children.
- Do not use insect repellent on babies younger than 2 months old.
- Do not apply insect repellent onto a child's hands, eyes, mouth, and cut or irritated skin.
 - Adults: Spray insect repellent onto your hands and then apply to a child's face.
- Do not use products containing oil of lemon eucalyptus (OLE) or para-menthane-diol (PMD) on children under 3 years old.



Take steps to control mosquitoes inside and outside your home

- Use screens on windows and doors. Repair holes in screens to keep mosquitoes outside.
- Once a week, eliminate potential breeding areas for mosquitoes. Check inside and outside your home. Mosquitoes lay eggs on or near water:
 - Discard old tires, tin cans, ceramic pots or other containers that can hold water
 - Repair failed septic systems
 - Drill holes in the bottom of recycling containers left outdoors
 - Keep grass cut short and shrubbery trimmed
 - Clean clogged roof gutters, particularly if leaves tend to plug up the drains
 - Frequently replace the water in pet bowls
 - Flush ornamental fountains and birdbaths periodically; aerate ornamental pools, or stock them with predatory fish.

For Up-to-Date Information Visit Michigan's Emerging Diseases Website

www.michigan.gov/westnile

or the Centers for Disease Control and Prevention Website

www.cdc.gov/westnile