

# Arbovirus\* Activity, Including West Nile Virus and Eastern Equine Encephalitis: Weekly Summary, Michigan 2025

*\*Arboviruses are viruses transmitted by mosquitoes or other insects*

Updated: June 27, 2025

6



Mosquito pools testing positive for arbovirus infection

1



Animals testing positive for West Nile virus infection

0



Human cases of West Nile virus or other arboviruses reported

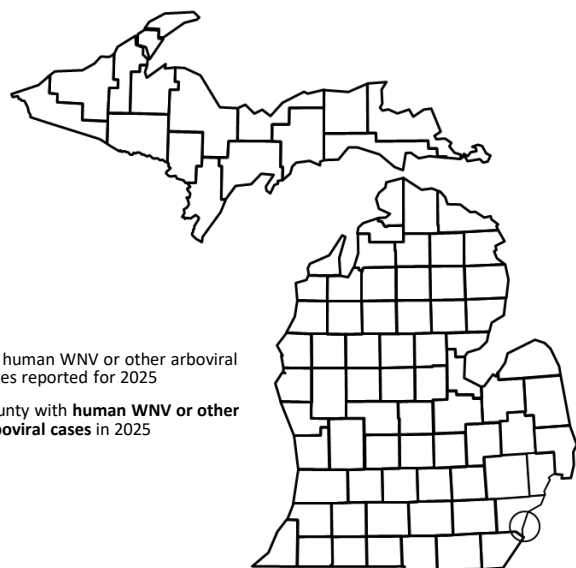
## Highlights

### 2024 Michigan Arbovirus Surveillance

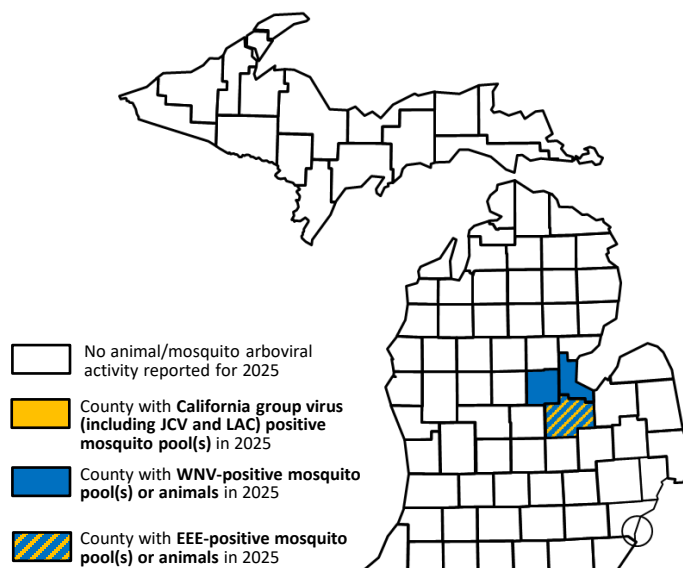
Total Number of Mosquito Pools Tested	1,167
Total Number of Mosquitoes Tested	14,706
WNV-Positive Mosquito Pools	2
JCV-Positive mosquito pools	4
Animal Arbovirus cases	1
Human Arbovirus cases	0

- So far in 2025, one bird from Saginaw County and two mosquito pools from Bay and Midland counties have tested positive for West Nile virus (WNV).
- Four mosquito pools from Saginaw County have tested positive for Jamestown Canyon virus (JCV).
- In 2024,
  - Thirty-one Michigan residents tested positive for WNV, and seven tested positive for Jamestown Canyon virus (JCV).
  - Eighteen animals tested positive for Eastern equine encephalitis virus (EEEV).
  - 167 mosquito pools tested positive for arbovirus infection, out of 6,129 pools submitted for testing.

## Human Cases



## Animal Cases



For more information

[www.michigan.gov/westnile](http://www.michigan.gov/westnile)



Michigan Department of Health & Human Services  
Bureau of Infectious Disease Prevention  
Emerging & Zoonotic Infectious Diseases (EZID) Section

# 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](http://www.michigan.gov/westnile)

or the Centers for Disease Control and Prevention Website

[www.cdc.gov/westnile](http://www.cdc.gov/westnile)