

Weekly Summary, Michigan 2025

*Arboviruses are viruses transmitted by mosquitoes or other insects

Updated: November 7, 2025

207 

Mosquito pools testing positive for arbovirus infection

96 

Animals testing positive for West Nile virus infection

51 

Human cases of West Nile virus or other arboviruses reported

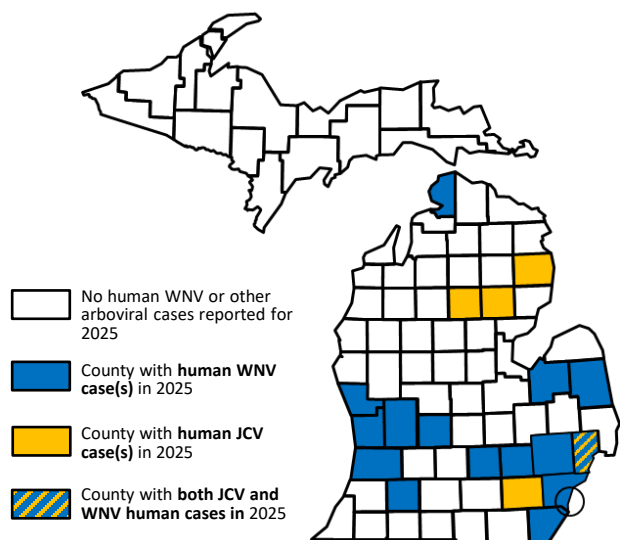
2025 Michigan Arbovirus Surveillance

Total Number of Mosquito Pools Tested	5,346
Total Number of Mosquitoes Tested	80,837
WNV-Positive Mosquito Pools	194
JCV-Positive mosquito pools	13
Animal Arbovirus cases	97
EEE-positive horses	1
WNV-positive horses	4
WNV-positive birds	92
Human Arbovirus cases	51
Human WNV cases	46
Human JCV cases	5

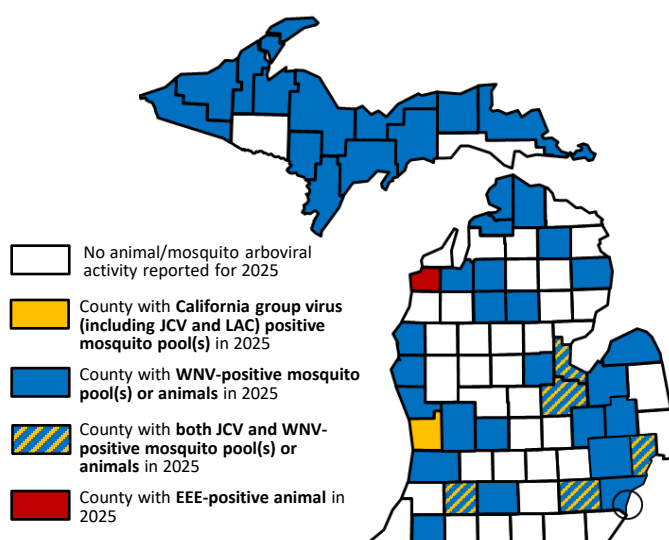
Highlights

- So far in 2025, 46 people from Allegan, Emmet (2), Ingham, Ionia (2), Kalamazoo (3), Kent (11), Livingston, Macomb (3), Monroe, Muskegon, Oakland (7), Ottawa (2), Sanilac (2), Tuscola (2), and Wayne (7) counties have been sickened by West Nile virus (WNV).
- Five people from Alcona, Macomb, Ogemaw, Roscommon, and Washtenaw counties have tested positive for Jamestown Canyon virus (JCV).
- One horse from Benzie County has tested positive for Eastern Equine encephalitis (EEE) and four horses from Mecosta, Missaukee, Oceana and Sanilac counties have tested positive for WNV.
- Ninety-two birds from Alcona, Allegan, Alger, Baraga (3), Bay (7), Calhoun, Cass, Charlevoix, Cheboygan (3), Chippewa, Delta, Dickinson (3), Emmet (2), Genesee (3), Gogebic (3), Grand Traverse, Houghton, Ionia (2), Kalkaska, Kent (2), Keweenaw (2), Lapeer, Luce, Marquette (2), Mason, Menominee, Montmorency, Muskegon, Oakland (4), Ontonagon (2), Roscommon (4), Saginaw (28), Schoolcraft (2), Tuscola, and Wayne (2) counties have tested positive for WNV.
- Mosquito pools from Bay (32), Huron (3), Kalamazoo (2), Kent (44), Macomb (2), Midland (33), Oakland (1), Saginaw (45), Tuscola (13), Washtenaw (5) and Wayne (14) counties have tested positive for WNV.
- Thirteen total mosquito pools from Bay (2), Kalamazoo (2), Macomb, Ottawa (2), Saginaw (5), and Washtenaw counties have tested positive for Jamestown Canyon virus (JCV).

Human Cases



Animal Cases



For more information

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