

Arbovirus* Activity, Including West Nile Virus: Weekly Summary, Michigan 2018

*Arboviruses are viruses transmitted by mosquitoes or other insects

As of October 8, 2018

154 

Mosquito pools testing positive for West Nile virus infection

165 

Birds testing positive for West Nile virus infection

85 

Human cases of West Nile virus or other arboviruses reported

2018 Michigan Arbovirus Surveillance

(click links below to see cases by county)

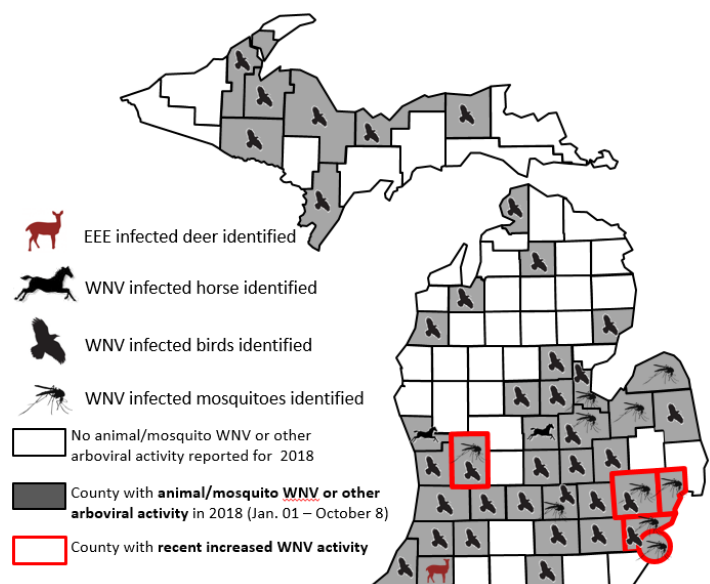
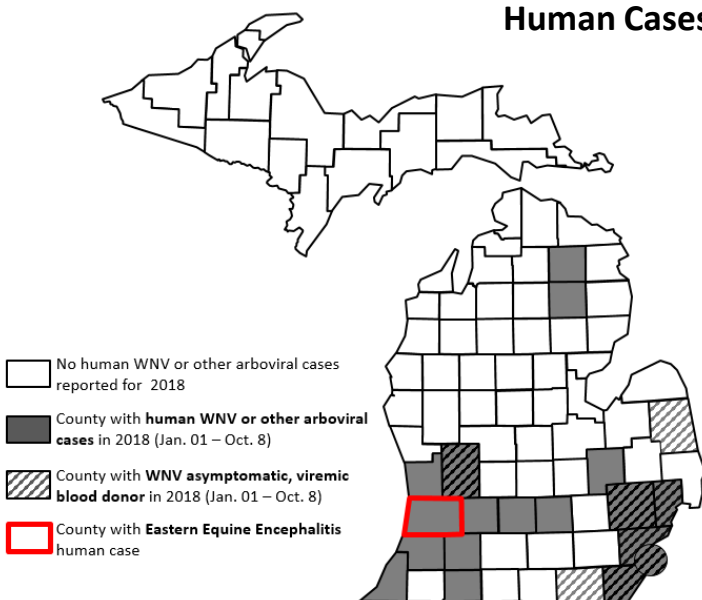
West Nile virus Positive Mosquito Pools	154
Total Number of Mosquito Pools Tested	4,050
Total Number of Mosquitoes Tested	56,198
Human WNV cases reported	84
WNV asymptomatic, viremic blood donor	11
Equine WNV cases reported	2
Avian WNV cases reported	154
Human Eastern Equine Encephalitis cases reported	1

Current Highlights

- Michigan is reporting Eastern Equine Encephalitis in a resident of Allegan County and a white-tailed deer from Cass County.
- West Nile virus has been identified in eighty-four Michigan residents, resulting in many hospitalizations and seven fatalities.
- Routine testing of the blood supply has identified WNV in 11 Michigan blood donors.
- Michigan is reporting its second WNV case in a horse from Muskegon County. Horses can be vaccinated against WNV and other arboviruses.
- August and September are the months of peak WNV activity in Michigan.

Human Cases

Animal Cases



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