

## West Nile Virus Confirmed in Mosquitoes

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**The Massachusetts Department of Public Health (MDPH) announced today that West Nile virus (WNV) has been detected in mosquitoes collected from Boxborough, Massachusetts.** In 2024, 8,597 mosquito samples were tested for WNV and 333 samples were positive. Boxborough had 0 WNV positive mosquito samples identified in 2024.

WNV is most commonly transmitted to humans by the bite of an infected mosquito. The mosquitoes that carry this virus are common throughout the state and are found in urban as well as more rural areas. While WNV can infect people of all ages, people over the age of 50 are at higher risk for severe infection.

**By taking a few, common sense precautions, people can help to protect themselves and their loved ones:**

### **Avoid Mosquito Bites**

- **Apply Insect Repellent** when you go outdoors. Use a repellent with **DEET** (N, N-diethyl-m-toluamide), **permethrin**, **picaridin** (KBR 3023), **IR3535** or **oil of lemon eucalyptus** [p-methane 3, 8-diol (PMD)] according to the instructions on the product label. DEET products should not be used on infants under two months of age and should be used in concentrations of 30% or less on older children. Oil of lemon eucalyptus should not be used on children under three years of age. Permethrin products are intended for use on items such as clothing, shoes, bed nets and camping gear and should not be applied to skin.
- **Clothing Can Help** reduce mosquito bites. Although it may be difficult to do when it's hot, wearing long-sleeves, long pants and socks when outdoors will help keep mosquitoes away from your skin.
- **Be Aware of Peak Mosquito Hours** - The hours from dusk to dawn are peak biting times for many mosquitoes. When risk is increased, consider rescheduling outdoor activities that occur during evening or early morning. If you are outdoors at any time and notice mosquitoes around you, take steps to avoid being bitten by moving indoors, covering up and/or wearing repellent.

### **Mosquito-Proof Your Home**

- **Drain Standing Water** – Many mosquitoes lay their eggs in standing water. Limit the number of places around your home for mosquitoes to breed by either draining or getting rid of items that hold water. Check rain gutters and drains. Empty any unused flowerpots and wading pools and change water in birdbaths frequently.
- **Install or Repair Screens** - Some mosquitoes like to come indoors. Keep them outside by having tightly-fitting screens on all your windows and doors.

The Board of Health continues to work closely with the MDPH and the Central Massachusetts Mosquito Control Project to provide education on how residents can protect themselves from mosquitoes and mitigate the risk of contracting mosquito-borne diseases.

Information about WNV and reports of current and historical WNV virus activity in Massachusetts can be found on the MDPH website at: [www.mass.gov/dph/mosquito](http://www.mass.gov/dph/mosquito).

STREETS

BURROUGHS ROAD

CHESTER ROAD

COOLIDGE FARM ROAD

FIFERS LANE

HAGER LANE

MAYFAIR DRIVE

MEADOW LANE

MORSE LANE

OLD HARVARD ROAD

PIERCE LANE

PRIEST LANE

ROBINSON ROAD

STOW ROAD

TAMARACK LANE

WHITNEY LANE



# PREVENT MOSQUITO BITES

USE THESE SIMPLE STEPS TO PROTECT YOURSELF  
AND YOUR FAMILY FROM MOSQUITO BITES!



Use insect repellent  
(DEET, picaridin)



Wear long-sleeved  
clothing



Avoid outside hours  
from dusk to dawn



Remove standing  
water



Repair window and  
door screens



Make your aroma  
less appealing

For more information, visit:

[www.mass.gov/info-details/mosquito-borne-disease-prevention](http://www.mass.gov/info-details/mosquito-borne-disease-prevention)