

Massachusetts Department of Public Health Arbovirus Surveillance Program Report

Key Public Risk Communication Messages for This Week:

MDPH identified four WNV human cases from Essex, Hampden and Middlesex Counties and 376 WNV positive mosquito samples from Barnstable, Berkshire, Bristol, Dukes, Essex, Franklin, Hampden, Hampshire, Middlesex, Norfolk, Plymouth, Suffolk, and Worcester Counties. 21 EEE positive mosquitoes have been detected from Bristol, Hampshire, and Plymouth Counties. In response to increasing arbovirus detections, risk levels have been elevated in impacted communities. September is the peak month for human disease. Personal protection measures are recommended due to these findings and average mosquito vector populations across the state. Check your risk levels throughout the season by visiting our interactive site <https://www.mass.gov/info-details/massachusetts-arbovirus-update>

Regional precipitation events and average temperatures will support increased populations of WNV and EEE mosquito vectors. Avoid mosquito bites by using EPA approved repellents, appropriate clothing, and avoiding peak mosquito activity between dusk and dawn. Remove standing water by emptying containers and tarps.

Please review the 2025 MDPH Surveillance and Response Plan for updates to risk levels and risk messaging.
www.mass.gov/doc/2025-arbovirus-surveillance-and-response-plan/download

| WNV and EEE Virus Surveillance Summary Results contained in this report reflect data up to and inclusive of MMWR Week 36 (Sunday, 08/31/2025-Saturday, 09/06/2025) | |
|---|------|
| Mosquito Surveillance | |
| Number of Mosquito Samples Tested | 8001 |
| Number of WNV Positive Samples | 376 |
| Number of EEE Positive Samples | 21 |
| Equine/Mammal Surveillance | |
| Number of Mammal Specimens Tested | 6 |
| Number of WNV Positive Horses | 0 |
| Number of EEE Positive Horses | 0 |
| Number of other WNV Positive Mammals | 1 |
| Human Surveillance | |
| Number of Human Specimens Tested | 121 |
| Number of Human WNV Cases | 4 |
| Number of Human EEE Cases | 0 |

| Summary of 2025 Mosquito Samples Tested Massachusetts State Public Health Laboratory | | | | | | | | | | | | | |
|---|----------------------|--------------------|--------------|----------------|------------------|--------------------|---------------------|------------------|----------------|---------------------|-------------|--------------------|--------------|
| MMWR Week: (Specimens Tested) | Berkshire County MCP | Bristol County MCP | Cape Cod MCP | Central MA MCP | Dukes County MCP | East Middlesex MCP | Norfolk Country MCP | Northeast MA MCP | Pioneer Valley | Plymouth County MCP | SPHL | Suffolk County MCP | Total Tested |
| 32 (08/03-08/09/2025) | 47 | 44 | 76 | 178 | 7 | 58 | 39 | 59 | 62 | 59 | 124 | 12 | 765 |
| 33 (08/10-08/16/2025) | 34 | 41 | 48 | 157 | 3 | 60 | 40 | 58 | 71 | 71 | 153 | 21 | 757 |
| 34 (08/17-08/25/2025) | 33 | 53 | 46 | 144 | 6 | 69 | 41 | 44 | 55 | 63 | 70 | 12 | 636 |
| 35 (08/24-08/30/2025) | 26 | 27 | 34 | 80 | 1 | 33 | 29 | 55 | 11 | 35 | 52 | 15 | 398 |
| 36 (08/31-09/06/2025) | 15 | 44 | 17 | 83 | 0 | 8 | 32 | 36 | 60 | 30 | 23 | 12 | 360 |
| Total | 379 | 420 | 770 | 1550 | 36 | 608 | 433 | 430 | 593 | 504 | 2046 | 232 | 8001 |

Numbers reflect finalized results; data are subject to change as additional test results are finalized.

Chikungunya and Dengue, Reported in Massachusetts by County of Residence, 2025

(These data are current as of 9/8/2025 and are subject to change)

| County | Chikungunya virus infection | Dengue Fever |
|-------------------|-----------------------------|--------------|
| Barnstable | 0 | 0 |
| Berkshire | 0 | 0 |
| Bristol | 0 | 2 |
| Dukes | 0 | 0 |
| Essex | 0 | 4 |
| Franklin | 0 | 1 |
| Hampden | 0 | 0 |
| Hampshire | 0 | 0 |
| Middlesex | 1 | 4 |
| Nantucket | 0 | 0 |
| Norfolk | 1 | 0 |
| Plymouth | 0 | 1 |
| Suffolk | 1 | 7 |
| Worcester | 0 | 1 |
| Total | 3 | 20 |

Note: Cases listed above were travel-acquired unless otherwise noted