

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 436 WNV positive mosquito samples from Barnstable, Berkshire, Bristol, Dukes, Essex, Franklin, Hampden, Hampshire, Middlesex, Norfolk, Plymouth, Suffolk, and Worcester Counties. 23 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 37 (Sunday, 09/07/2025-Saturday, 09/13/2025)	
Mosquito Surveillance	
Number of Mosquito Samples Tested	8330
Number of WNV Positive Samples	436
Number of EEE Positive Samples	23
Equine/Mammal Surveillance	
Number of Mammal Specimens Tested	7
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	135
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 County MCP	Northeast MA MCP	Pioneer Valley	Plymouth County MCP	SPHL	Suffolk County MCP	Total Tested
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
37 (09/07-09/13/2024)	23	25	16	75	0	16	21	29	51	14	29	30	329
Total	402	445	786	1625	36	624	454	459	644	518	2075	262	8330

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 9/15/2025 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	8
Worcester	0	3
Total	3	23

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