

Massachusetts Department of Public Health

Arbovirus Surveillance Program Report

Key Public Risk Communication Messages for This Week:

MDPH identified 15 EEE positive mosquitoes from Bristol, Hampshire, and Plymouth Counties and 279 WNV positive mosquito samples from Barnstable, Berkshire, Bristol, Dukes, Essex, Franklin, Hampden, Hampshire, Middlesex, Norfolk, Plymouth, Suffolk, and Worcester Counties. In response to increasing arbovirus detections, risk levels have been elevated in impacted communities. August and September are peak months 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 34 (Sunday, 08/17/2025-Saturday, 08/23/2025)	
Mosquito Surveillance	
Number of Mosquito Samples Tested	7243
Number of WNV Positive Samples	279
Number of EEE Positive Samples	15
Equine/Mammal Surveillance	
Number of Mammal Specimens Tested	0
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	102
Number of Human WNV Cases	0
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
30 (07/20-07/26/2025)	33	35	73	180	6	72	47	26	37	45	209	22	785
31 (07/27-08/02/2025)	41	42	91	155	1	55	39	33	69	43	181	20	770
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 (08/17-08/23/2025)	33	53	46	144	6	69	41	44	55	63	70	12	636
Total	338	349	719	1387	35	567	372	339	522	439	1971	205	7243

Chikungunya and Dengue, Reported in Massachusetts by County of Residence, 2025
 (These data are current as of 8/25/2025 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	3
Franklin	0	1
Hampden	0	0
Hampshire	0	0
Middlesex	1	3
Nantucket	0	0
Norfolk	1	0
Plymouth	0	1
Suffolk	1	5
Worcester	0	1
Total	3	16

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