

Massachusetts Department of Public Health

Arbovirus Surveillance Program Report

Key Public Risk Communication Messages for This Week:

MDPH identified eight WNV human cases from Essex, Hampden, Middlesex, Suffolk, and Worcester Counties and 451 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. Seasonal mosquito testing concluded on 10/10/25.

Regional precipitation events and average daytime temperatures continue to support populations of WNV and EEE mosquito vectors until we experience a hard frost. 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. Personal protection measures are recommended due to increased West Nile Virus activity 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>

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 41 (Sunday, 10/05/2025-Saturday, 10/11/2025)	
Mosquito Surveillance	
Number of Mosquito Samples Tested	8788
Number of WNV Positive Samples	451
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	173
Number of Human WNV Cases	8
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
37 (09/07-09/13/2024)	23	25	16	75	0	16	21	29	52	14	29	30	330
38 (09/14-09/20/2025)	5	24	8	31	2	7	14	27	14	10	17	8	167
39 (09/21-09/27/2025)	3	16	15	23	3	8	0	18	20	8	25	0	139
40 (09/28-10/04/2025)	0	15	12	16	6	0	22	0	11	6	28	0	116
41 (10/05-10/11/2025)	0	0	0	15	0	0	0	0	10	0	10	0	35
Total	410	500	821	1710	47	639	490	504	700	542	2155	270	8788

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 10/14/2025 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	1	3
Total	4	23

Note: Cases listed above were travel-acquired unless otherwise not