

Massachusetts Department of Public Health Arbovirus Surveillance Program Report

Key Public Risk Communication Messages for This Week:

MDPH has reported 17 EEE positive mosquito samples from Hampden and Worcester Counties. In response to elevated EEE activity, MDPH increased risk levels in the region. Intensified EEE surveillance activities are ongoing. MDPH also reports 147 WNV positive mosquito samples from Barnstable, Berkshire, Bristol, Essex, Hampden, Hampshire, Middlesex, Norfolk, Plymouth, Suffolk, and Worcester Counties and three WNV positive human cases. Check your risk levels throughout the season by visiting our interactive site <https://www.mass.gov/info-details/massachusetts-arbovirus-update>

Intense precipitation events and average daytime temperatures will continue to support populations of mosquito vectors until 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.

Please review the 2023 MDPH Surveillance and Response Plan for updates to risk levels and risk messaging. <https://www.mass.gov/doc/2023-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 38 (Sunday, 09/17/2023-Saturday, 09/23/2023)	
Mosquito Surveillance	
Number of Mosquito Samples Tested	9891
Number of WNV Positive Samples	147
Number of EEE Positive Samples	17
Equine/Mammal Surveillance	
Number of Mammal Specimens Tested	2
Number of WNV Positive Horses	0
Number of EEE Positive Horses	0
Number of other WNV Positive Mammals	0
Human Surveillance	
Number of Human Specimens Tested	179
Number of Human WNV Cases	3
Number of Human EEE Cases	0

Summary of 2023 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
34 (08/20-08/26/2023)	51	41	54	139	3	9	21	78	53	83	143	8	683
35 (08/27-09/02/2023)	43	33	47	185	4	10	15	85	38	47	237	0	744
36 (09/03-09/09/2023)	38	35	47	197	7	0	17	90	54	12	182	6	685
37 (09/10-09/16/2023)	34	29	48	186	7	28	18	72	45	41	165	8	681
38 (09/17-09/23/2023)	18	31	46	154	0	17	29	65	40	20	187	4	611
Total	565	430	780	2265	67	217	377	834	633	621	2949	153	9891