

# Massachusetts Department of Public Health

## Arbovirus Surveillance Program Report

### Key Public Risk Communication Messages for This Week:

MDPH reported the fourth human case of WNV in a Norfolk County resident. MDPH also reports 163 WNV positive mosquito samples from Barnstable, Berkshire, Bristol, Essex, Hampden, Hampshire, Middlesex, Norfolk, Plymouth, Suffolk, and Worcester Counties. To date, MDPH has identified 27 EEE positive mosquito samples from Barnstable, Bristol, Hampden and Worcester Counties. In response to elevated EEE activity, MDPH increased risk levels in the regions. Intensified surveillance activities are ongoing. Check your risk levels throughout the season by visiting our interactive site <https://www.mass.gov/info-details/massachusetts-arbovirus-update>

Average daytime temperatures will continue support populations of mosquito vectors which pose a risk for human transmission until a statewide 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.

<b>WNV and EEE Virus Surveillance Summary</b> Results contained in this report reflect data up to and inclusive of MMWR Week 40 (Sunday, 10/01/2023-Saturday, 10/07/2023)	
<b>Mosquito Surveillance</b>	
Number of Mosquito Samples Tested	10534
Number of WNV Positive Samples	163
Number of EEE Positive Samples	27
<b>Equine/Mammal Surveillance</b>	
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
<b>Human Surveillance</b>	
Number of Human Specimens Tested	206
Number of Human WNV Cases	4
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
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
39 (09/24-09/30/2023)	6	21	40	90	1	9	17	32	29	14	82	4	345
40 (10/01-10/07/2023)	4	46	21	41	1	0	6	0	38	49	92	0	298
<b>Total</b>	575	497	841	2396	69	226	400	866	700	684	3123	157	10534