

# Massachusetts Department of Public Health

## Arbovirus Surveillance Program Report

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

MDPH has identified 57 West Nile virus positive mosquito samples collected in Barnstable, Bristol, Essex, Franklin, Hampden, Hampshire, Middlesex, Norfolk, Plymouth and Suffolk Counties. The populations of mosquito vectors that transmits WNV and EEE are elevated due to intense regional precipitation events and average temperatures. 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.

Check your risk levels throughout the season by visiting our interactive site <https://www.mass.gov/info-details/massachusetts-arbovirus-update> For a detailed list of findings in your community select [Arbovirus Results Summary](#) on the main page.

Please review the 2021 MDPH Surveillance and Response Plan for updates to risk levels and risk messaging. <https://www.mass.gov/doc/2021-arbovirus-surveillance-and-response-plan/download>

<b>WNV and EEE Virus Surveillance Summary</b> Results contained in this report reflect data inclusive of MMWR Week 33 (Sunday, 08/15/2021-Saturday, 08/21/2021)	
<b>Mosquito Surveillance</b>	
Number of Mosquito Samples Tested	5675
Number of WNV Positive Samples	57
Number of EEE Positive Samples	0
<b>Equine/Mammal Surveillance</b>	
Number of Mammal Specimens Tested	7
Number of WNV Positive Horses	0
Number of EEE Positive Horses	0
Number of other EEE Positive Mammals	0
<b>Human Surveillance</b>	
Number of Human Specimens Tested	101
Number of Human WNV Cases	0
Number of Human EEE Cases	0

Summary of 2021 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	SLI	Suffolk County MCP	Total Tested
29 (07/18-07/24/2021)	8	32	42	91	2	9	6	22	36	81	229	6	564
30 (07/25-07/31/2021)	9	44	58	101	5	31	15	43	40	40	347	20	753
31 (08/01-08/07/2021)	4	35	47	183	5	9	30	55	57	25	253	15	718
32 (08/08-08/14/2021)	21	37	38	271	1	11	38	64	38	51	248	13	831
33 (08/15-08/21/2021)	43	41	39	175	1	18	26	55	32	48	183	7	668
Total	174	292	429	1056	19	121	208	317	282	355	2335	87	5675

Numbers reflect finalized results; data are subject to change as additional test results are finalized.

**Cumulative Confirmed and Probable Human Chikungunya Virus Infections and Dengue Fever Cases  
Reported in Massachusetts by County of Residence, 2021**  
(These data are current as of 08/21/2021 and are subject to change)

County	Chikungunya virus infection	Dengue Fever
Barnstable	0	0
Berkshire	0	0
Bristol	0	0
Dukes	0	0
Essex	0	0
Franklin	0	0
Hampden	0	0
Hampshire	0	0
Middlesex	0	0
Nantucket	0	0
Norfolk	0	0
Plymouth	0	0
Suffolk	0	0
Worcester	0	0
Total	0	0

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