

**Massachusetts Department of Public Health  
Arbovirus Surveillance Program Report  
Report Date: October 15, 2012**

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

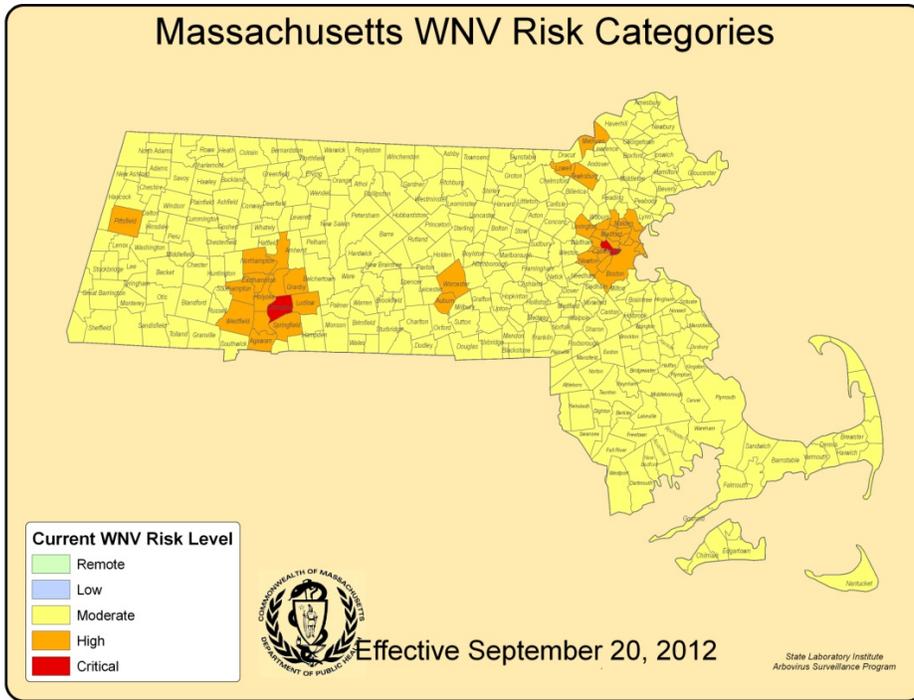
1. The risk from mosquito-borne illness is considered to continue until an area has had a hard frost which will result in the death of virtually all mosquitoes. A hard, or killing frost, is defined meteorologically as two consecutive hours of temperatures below 28 degrees Fahrenheit. This will occur at different times for different communities, and there may even be variation within communities based on local geography. Sources of information to assist with determining when this has occurred can be found on the weather reports from your local media outlets and through the National Weather Service at <http://www.erh.noaa.gov/box/stationobs.shtml>. You may be aware of additional local resources that are available to you. Although mosquitoes are not killed until a hard frost occurs, they are extremely unlikely to be active when temperatures fall below 50 degrees in the evening, and you may wish to consider this information when making decisions about scheduling or cancelling planned outdoor events.

<b>WNV and EEE Virus Surveillance Summary</b>	
Results contained in this report reflect data inclusive of MMWR Week 41 (Sunday, 10/7/12 – Saturday, 10/13/12)	
<b>Mosquito Surveillance</b>	
<b>Number of Mosquito Pools Tested</b>	<b>6790</b>
<b>Number of WNV Positive Pools</b>	<b>307</b>
<b>Number of EEE Positive Pools</b>	<b>267</b>
<b>Equine/Mammal Surveillance</b>	
<b>Number of Mammal Specimens Tested</b>	<b>21</b>
<b>Number of WNV Positive Horses</b>	<b>2</b>
<b>Number of EEE Positive Horses</b>	<b>6*</b>
<b>Number of other EEE Positive Mammals</b>	<b>1</b>
<b>Human Surveillance</b>	
<b>Number of Human Specimens Tested</b>	<b>881</b>
<b>Number of Human WNV Cases</b>	<b>24</b>
<b>Number of Human EEE Cases</b>	<b>7</b>

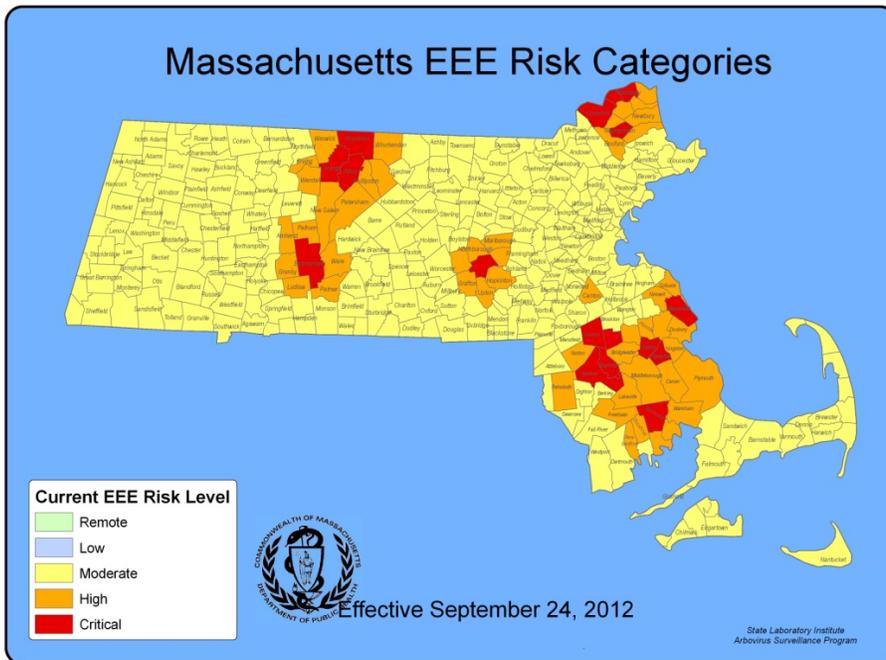
*\* Includes INY horse with MA EEE exposure*

<b>Summary of 2012 Mosquito Pool Submissions</b>											
	<b>Berkshire County MCP</b>	<b>Bristol County MCP</b>	<b>Cape Cod MCP</b>	<b>Central MA MCP</b>	<b>East Middlesex MCP</b>	<b>Norfolk County MCP</b>	<b>Northeast MA MCP</b>	<b>Plymouth County MCP</b>	<b>Suffolk County MCP</b>	<b>State Lab Institute</b>	<b>Total</b>
<b>Total</b>	226	420	281	929	294	528	1036	830	163	2083	6790

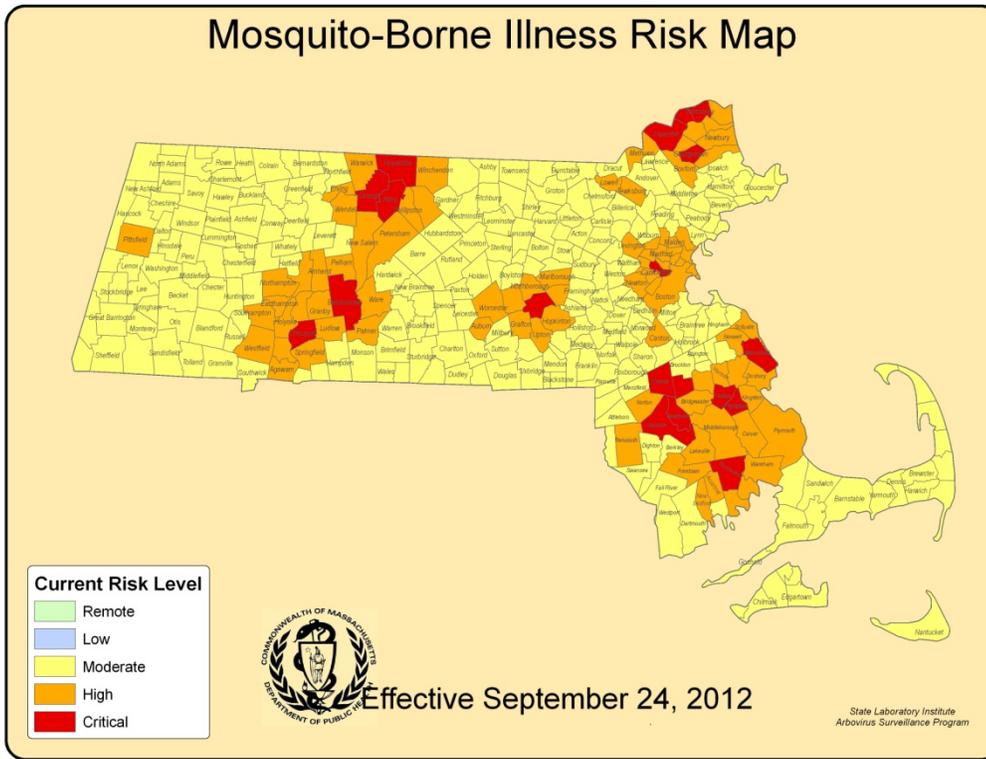
**Figure 1: Current WNV Risk Categories as described in Table 1 of the 2012 MDPH Surveillance and Response Plan**



**Figure 2: Current EEE Risk Categories as described in Table 2 of the 2012 MDPH Surveillance and Response Plan**



**Figure 3: Mosquito-Borne Illness (WNV, EEE) Risk Map**



**Useful Web Links:**

**MDPH Arbovirus Information:**

**MDPH Surveillance and Response Plan:**

**Massachusetts Department of Public Health:**

**Centers for Disease Control WNV Website:**

[MDPH Arbovirus Information Risk Maps](#)

[2012 MDPH Arbovirus Surveillance Plan](#)

[MDPH Arbovirus Website](#)

[CDC West Nile Virus Homepage](#)