

**Massachusetts Department of Public Health
Arbovirus Surveillance Program Report
Report Date: September 24, 2012**

Key Public Risk Communication Messages for This Week:

1. Day time and early evening temperatures are still warm enough for continued mosquito activity. Mosquito activity drops off when temperatures are below 60 but some mosquitoes will be active even down to 52 degrees.
2. At this time of year, the mosquitoes that remain are older adults; as mosquitoes age, they are more likely to have picked up either EEE or WNV so a greater proportion of them are probably infected. Because of cooler temperatures, mosquito trapping is less effective and the increased infection rates are not always obvious based on mosquito testing results.
3. Communities at high or critical risk for EEE are urged to consider rescheduling outdoor, evening events that occur between the hours of dusk and dawn. Communities at high or critical risk for WNV should consider outreach to residents over the age of 50 with information about peak mosquito activity hours.

WNV and EEE Virus Surveillance Summary	
Results contained in this report reflect data inclusive of MMWR Week 38 (Sunday, 9/16/12 – Saturday, 9/22/12)	
Mosquito Surveillance	
Number of Mosquito Pools Tested	7167
Number of WNV Positive Pools	302
Number of EEE Positive Pools	265
Equine/Mammal Surveillance	
Number of Mammal Specimens Tested	18
Number of WNV Positive Horses	2
Number of EEE Positive Horses	5*
Number of other EEE Positive Mammals	1
Human Surveillance	
Number of Human Specimens Tested	698
Number of Human WNV Cases	17
Number of Human EEE Cases	6

** Includes INY horse with MA EEE exposure*

Summary of 2012 Mosquito Pool Submissions											
	Berkshire County MCP	Bristol County MCP	Cape Cod MCP	Central MA MCP	East Middlesex MCP	Norfolk County MCP	Northeast MA MCP	Plymouth County MCP	Suffolk County MCP	State Lab Institute	Total
Total	222	401	276	851	294	519	918	845	163	2678	7167

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

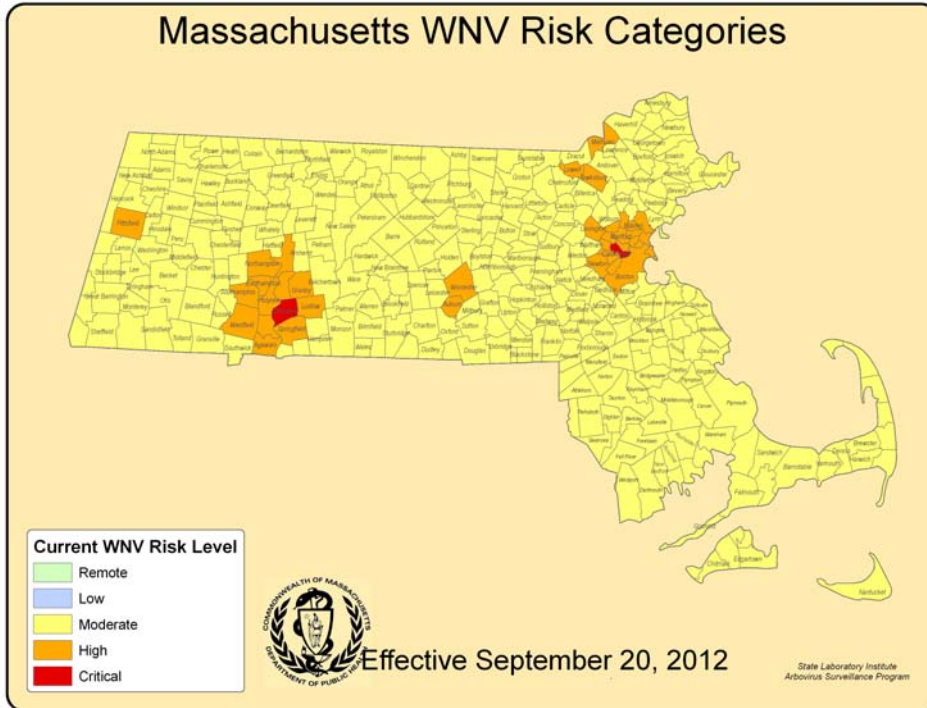


Figure 2: Current EEE Risk Categories as described in Table 2 of the 2012 MDPH Surveillance and Response Plan

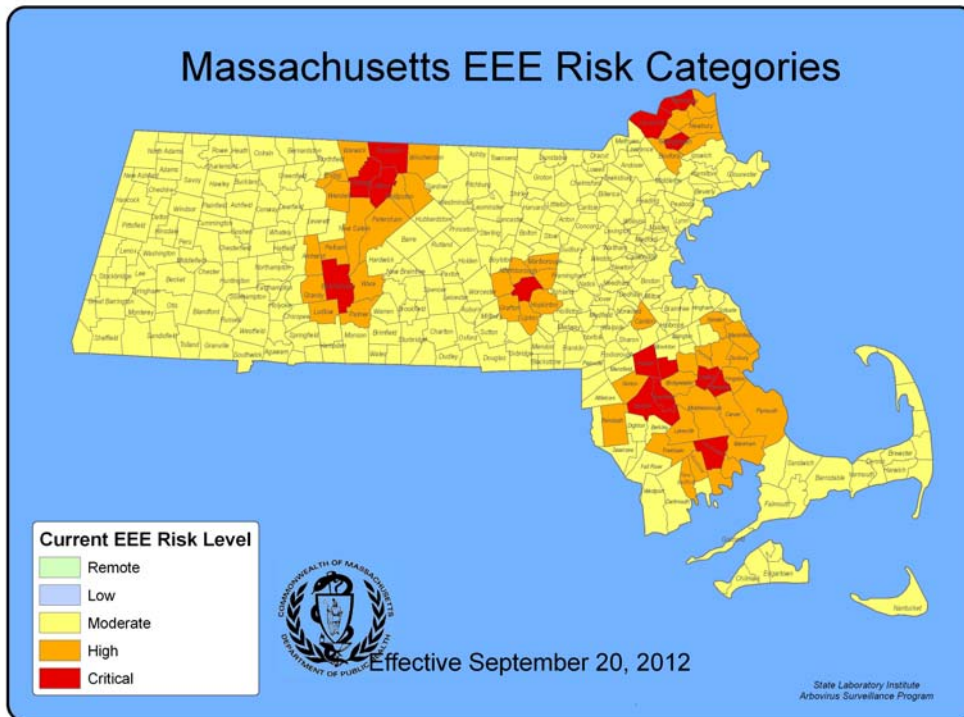
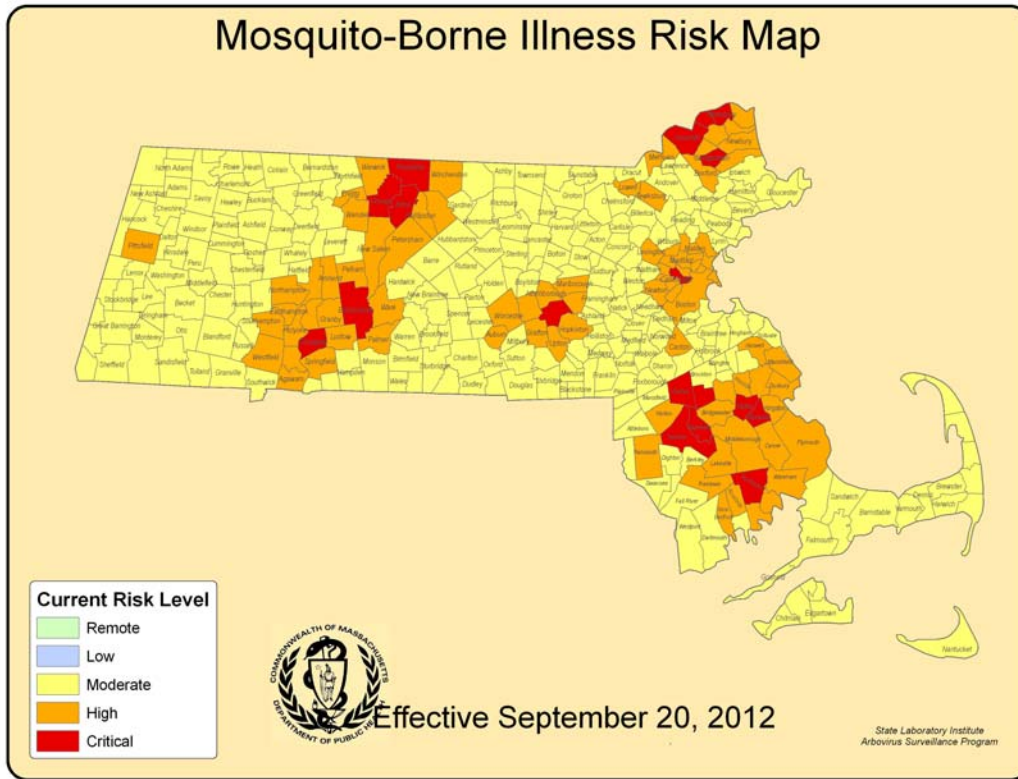


Figure 3: Mosquito-Borne Illness (WNV, EEE) Risk Map



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](#)