



**Department of Health  
Division of Infectious Disease and Epidemiology  
WNV/Arbovirus Surveillance Report: 2010**

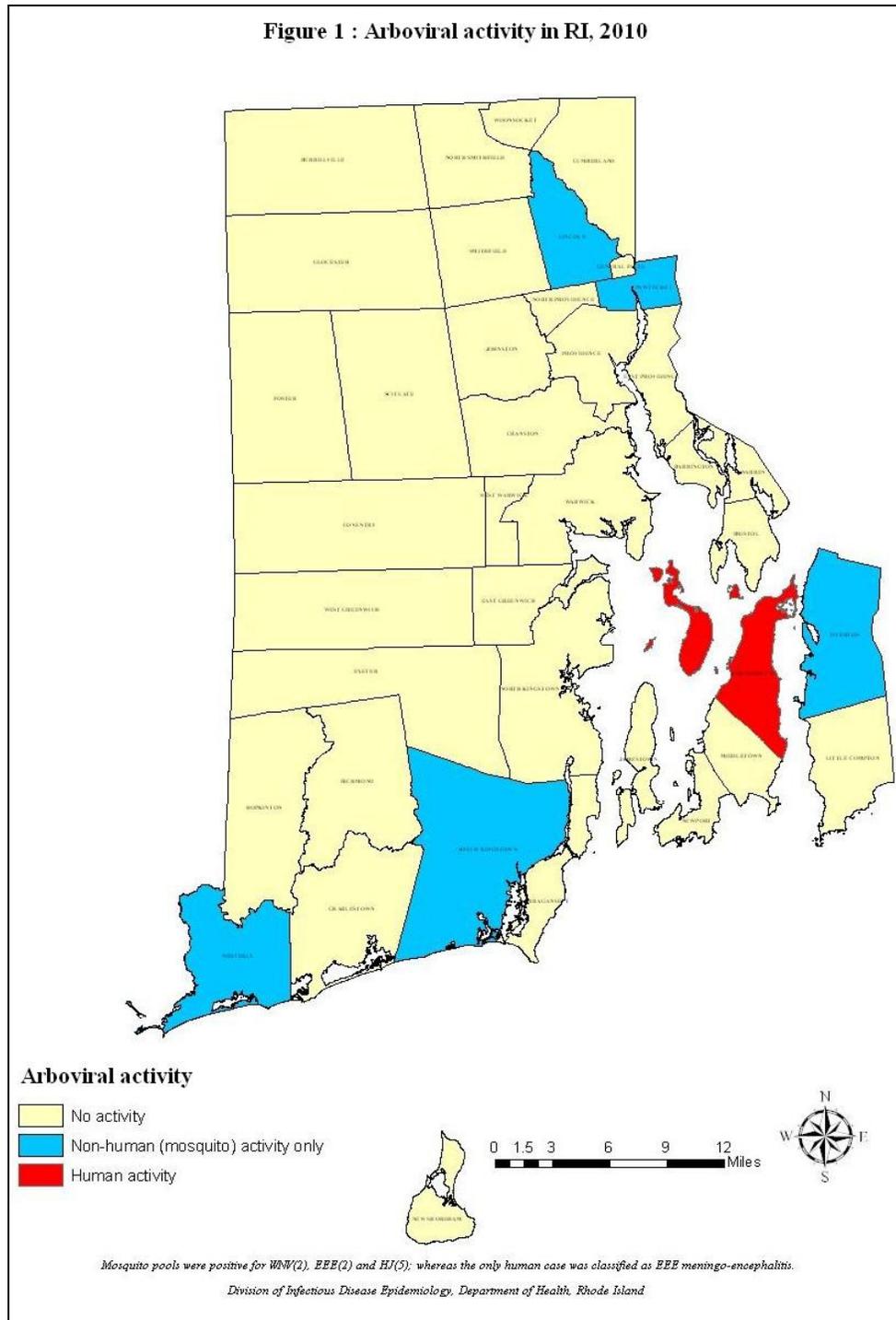
**Purpose:** To monitor the epidemiology, incidence and geographic distribution of WNV and other arboviruses in humans, mosquitoes and mammals in Rhode Island with the goal of quantitating human disease threat, and to provide guidance for graded public health actions such as vector control and crafting prevention messages for the public.

- ✓ Human activity: A single human case report from RI this year was classified as confirmed EEE meningo-encephalitis (see map).
- ✓ Mosquito surveillance: Nine positive pools (WNV, EEE and HJ) were detected. (details in Table 1 and Figure 1 below)
- ✓ No equine arboviral activity was detected this year.

**Table 1: Mosquito surveillance: summary data for 2010**

County	# Pools collected (# mosquitoes)	# West Nile Virus (WNV) positive pools (mosquito species)	# Eastern Equine Encephalitis (EEE) positive pools (mosquito species)	# Highlands J (HJ) positive Pools (mosquito species)
Bristol	53 (315)	0	0	0
Kent	146 (673)	0	0	0
Newport	329 (4392)	0	0	2 ( <i>Cx spp.</i> , <i>Ae vexans</i> )
Providence	573 (3192)	1 ( <i>Cx pipiens</i> )	0	0
Washington	529 (3642)	1 ( <i>Cs melanura</i> )	2 ( <i>Cx pipiens</i> , <i>Cx spp</i> )	3 ( <i>Cs morsitans-2</i> , <i>Cs melanura-1</i> )

**Figure 1 : Arboviral activity in RI, 2010**



For the most current information or questions regarding data/methods, please contact: Ananda Bandyopadhyay at 401-222-6056.  
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