

**Benchmark Activity #14.2**

**The local health department shall provide information and recommendations to support the local Board of Health and the Board of County Commissioners in setting public health priorities and planning public health problems**

**Durham County Board of Health  
Agenda Item Summary**

Meeting Date: May12, 2016

Agenda Item Subject: Zika Virus & Vector Control

Attachment (s): Zika Virus, Vector Control Perspective MSPP

Staff or Board Member Reporting: Dr. Arlene Sena/Chris Salter

Purpose:        \_\_\_\_\_        Action  
                    X              Information only  
                  \_\_\_\_\_        Information with possible action

**Objectives:** To update and educate the BOH on the vectors and vector control practices associated with Zika virus.

**Summary Information:** The presentation will provide a brief overview of the 2 mosquito species responsible for Zika virus transmission, Aedes aegypti, and Aedes albopictus (Asian tiger mosquito). Up to this point, the primary vector of Zika has been Aedes aegypti, a species not currently believed to be found in North Carolina. Zika virus is of concern in Durham however, because it has recently been detected in Asian tiger mosquitos in the Western Hemisphere. The Asian tiger mosquito is prevalent across North Carolina as well as Durham County during warm weather months. An overview of vector control program basics including complaints, education, surveillance, larviciding, and adulticiding will also be included. Response efforts like education and acquisition of supplies as well as future planned activities will be discussed.

**Recommended Action:**        \_\_\_\_\_        Approve  
   \_\_\_\_\_        Approve & forward to Board of Commissioners for action  
   \_\_\_\_\_        Approve & forward to \_\_\_\_\_  
     ✓              Accept as information