



HAYWOOD COUNTY  
BOARD OF COMMISSIONERS

AGENDA REQUEST

**Must be presented to the County Manager's Office  
NO LATER THAN 5 P.M. FRIDAY THE WEEK BEFORE THE MEETING**

DATE OF REQUEST: **June 10, 2016**

FROM: **Patrick H. Johnson, RN-C, MPA, HHS Public Health Director**

MEETING DATE REQUESTED: **June 20, 2016, 5:30 PM**

SUBJECT: **Mosquito Population, Health Risks, and Prevention**

REQUEST: Administrative/Agency Reports  
*(What action are you seeking?)*

**Informational presentation on mosquito populations present in Haywood County, related health risks, prevention measures, and available assistance.**

BACKGROUND:

*(Research and justification of proposal and need; Alternatives evaluated; Legal Basis: Outcome-What will be achieved and how will it be measured?)*

Given the public anxiety regarding the Zika virus and LaCrosse Encephalitis, information is being presented about which types of mosquitoes carry which diseases, which types of mosquitoes are most prevalent in Haywood County, harm reduction measures that anyone can take to reduce mosquito populations and health risks, and assistance available in remediating those risks.

IMPLEMENTATION PLAN:

*(How and when will staff undertake the action?)*

Mosquito survey and public education on the subject are ongoing. Assistance in remediation and reporting are available, as detailed in the presentation.

FINANCIAL IMPACT STATEMENT:

*(What is the cost? Where is the money coming from? Optional or mandated?)*

**None**

SUPPORTING ATTACHMENTS: YES  X  NO   HOW MANY?  1 powerpoint

LIST: Mosquito Powerpoint

PowerPoint Presentation: YES  XX  NO

PERSON MAKING PRESENTATION AT MEETING:

**Patrick H. Johnson, RN-C, MPA**

TITLE:

**HHS Public Health Services Director**

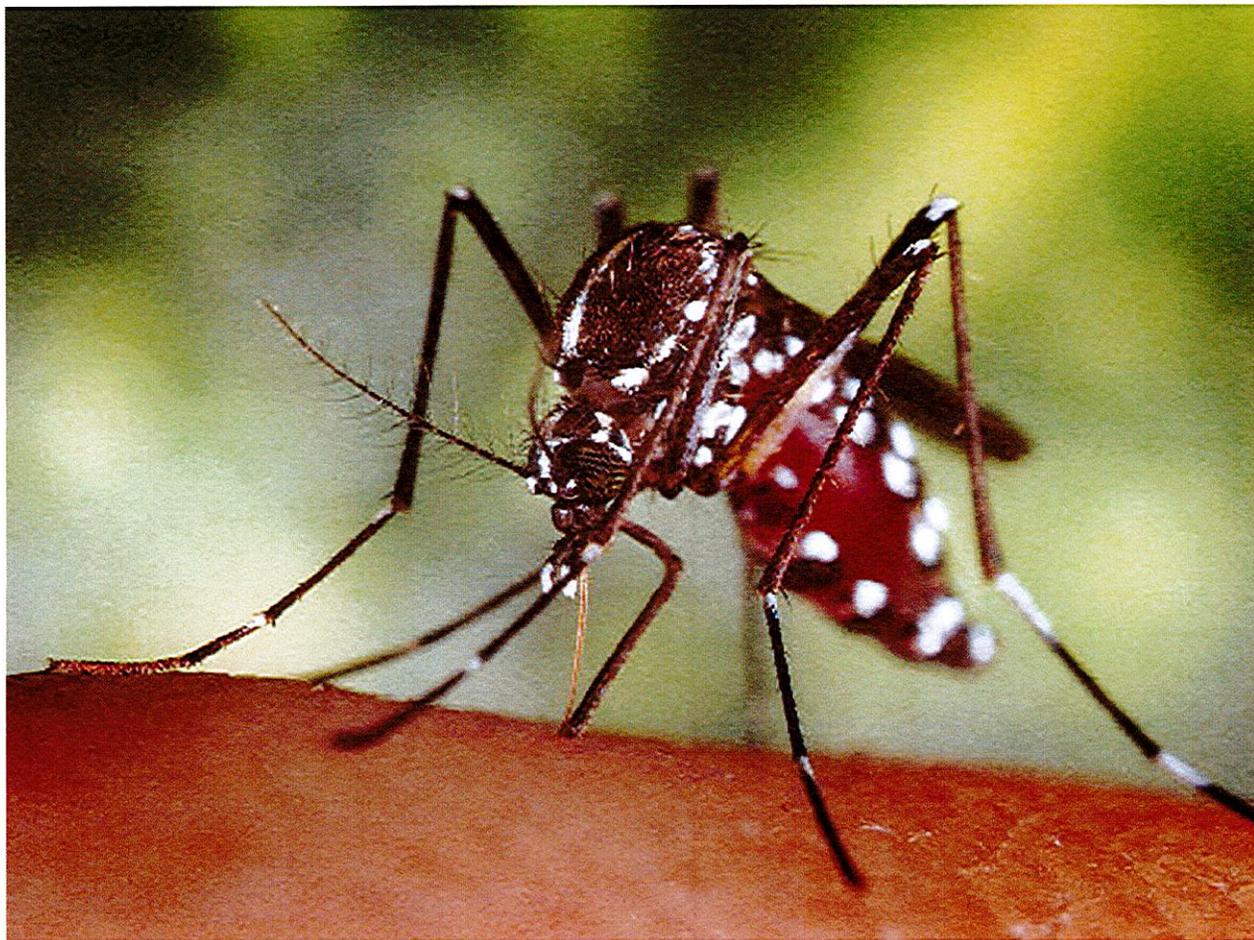
PHONE #:

**828-356-2244**

E-MAIL:

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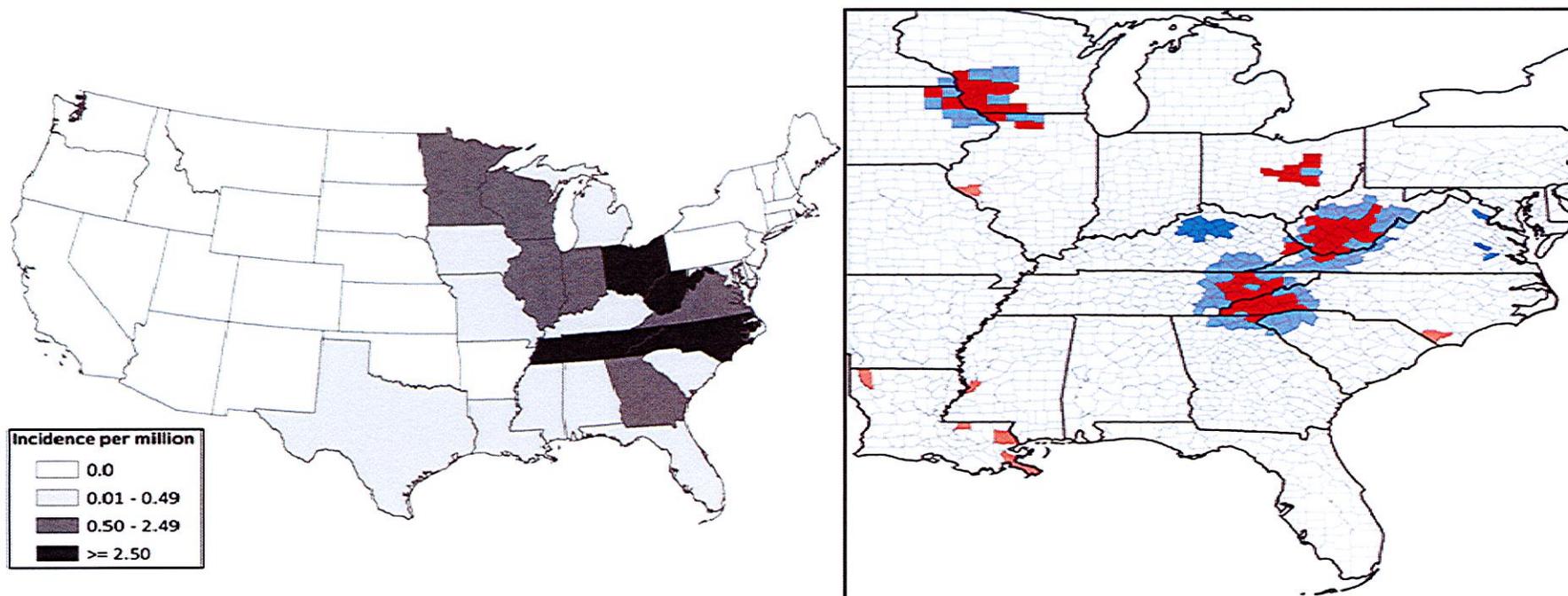
# Mosquito Disease Transmission 101



# Mosquito transmission of Disease

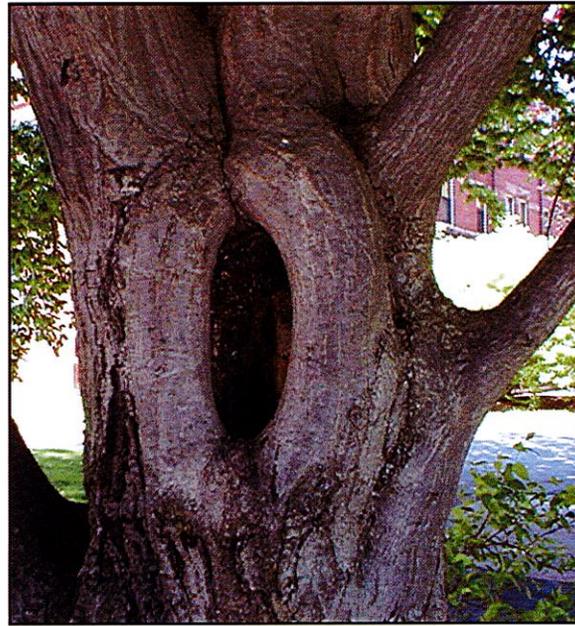
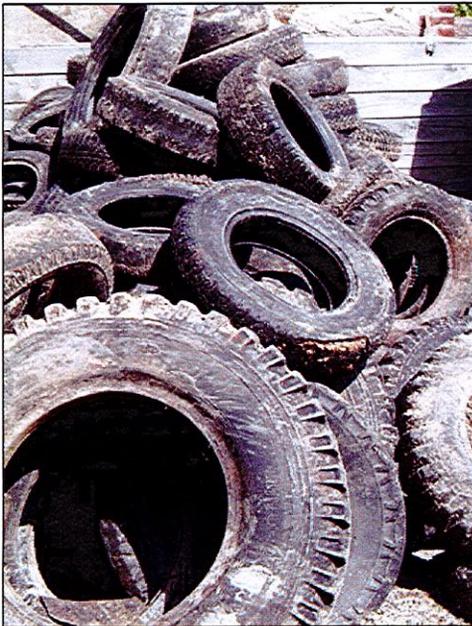
- Animal-Mosquito-Human
  - La Crosse Virus. Our most realistic threat .
  - La Crosse Encephalitis (LACE) primarily affects children
    - Fever, Headache, Vomiting, Fatigue, Lethargy
    - Severe neuroinvasive disease occurs mostly in children under 16 years. Seizures during acute illness are common
  - The two types of mosquitoes that carry LACE are in Haywood County now!
- Human-Mosquito-Human
  - Introduced by travel: Malaria, Zika, Dengue, Chikungunya

# LACE DISEASE GEOGRAPHY



# Environmental Risk Factors

- Time spent outdoors
- Residence near woods or trash breeding sites
- Abundance of mosquitoes
- Lack of personal protection



# Prevention:

## Drain, Dress, Defend

- Prevention is the Cure. There is no vaccine
- Drain: Sources of water stored on your property. Old tires, bird baths, trash heaps  
– TIP AND TOSS!
- Dress: long sleeve, long pants where feasible
- Defend: DEET on exposed skin, intact window screens

## Assistance

- Elderly and disabled citizens can get help remediating mosquito hazards on their property at no cost by calling Haywood County Health and Human Services Environmental Health at 828-452-6682.
- If a neighbor isn't willing to cooperate with cleaning up mosquito hazards (old tires, containers, etc.) on their property, you can call Haywood County Code Enforcement at 828-452-6632.