



KENT COUNTY HEALTH DEPARTMENT
ACADEMIC HEALTH DEPARTMENT
PROJECT DESCRIPTION

PROJECT NAME: West Nile Virus Surveillance and Mapping
SEMESTER: Winter 2017
PRECEPTOR: Brendan Earl, MS, REHS/RS

DESCRIPTION: During this internship, the student will work alongside Environmental Health staff to assess inventory and provide maintenance for mosquito traps, create and update West Nile Surveillance databases, conduct data analysis and interpretation, create GIS maps and extrapolation, provide administrative preparation for seasonal programming, and support specific aspects of programming.

PROJECT DELIVERABLES: The student will gain knowledge and experience working with vector-borne illnesses, learn the biology and lifecycle of specific mosquito species of interest, compile data regarding mosquito species, analyze and present data from surveillance program graphically, gain/enhance skills in GIS mapping, network with local and state agencies, and develop skills in program implementation.

MINIMUM QUALIFICATIONS: Students applying for this internship should be enrolled in an academic degree program. Computer proficiency is required. Experience with GIS and Excel is preferred.

COMPETENCIES: The student selected for this internship opportunity should expect to develop public health skills and competencies in the following categories:

- Analytical and Assessment Skills
- Policy Development and Program Planning Skills
- Communication Skills
- Cultural Competency Skills
- Community Dimensions of Practice Skills
- Public Health Science Skills
- Financial Planning and Management Skills
- Leadership and Systems Thinking Skills