



Wounded, Ill, and Injured Program

Navy Entomology Center of Excellence

Leaders in Preventing Disease Transmission

Blood feeding insects and the diseases they carry pose serious risks to the nation's warriors around the globe. Control programs aimed at decreasing insect populations and providing personal protective equipment play a key role in guarding deployed warfighters from insects that transmit life-threatening diseases. The Navy Entomology Center of Excellence (NECE) provides expertise for the ongoing development of new and improved insecticides, application equipment and techniques, and surveillance methods and is the world's sole military-specific entomological research center. The NECE Project, in support of the Navy and Marine Corps Public Health Center (NMCPHC) Wounded, Ill, and Injured (WII) Program, continues to make significant advancements, enhancing the health and operational readiness of service members by constantly delivering innovative approaches for developing new chemicals, technology, and techniques that improve the safety and effectiveness of programs that control blood-feeding insects. In recognition of their collaborative partnerships, the Navy Surgeon General complimented NECE as "a great example of jointness in research and development."

Testing and Evaluation

NECE evaluates existing and novel insecticides and formulations to increase the effectiveness of insect control programs. Insect control programs armed with the latest technology result in a significant reduction of disease risk on the battlefield. Evaluation of the technology and insecticides in an operational setting allows NECE to adapt insect control programs to ensure maximum effectiveness in protecting deployed warfighters.

Novel Control Techniques

NECE develops and evaluates new technology that improves application methodologies and formulations to ensure personnel that support warfighters have the latest and most effective tools available. NECE also collaborates with partners to develop innovative equipment to support deployed war fighters and prevent vector-transmitted diseases.

Significant Accomplishments

World Health Organization (WHO) Recognition

After an evaluation of the Center's capabilities, NECE was recommended to become a WHO Collaborating Centre for testing insecticide application equipment - the only DoD center to be recognized as such. NECE will serve as an international center of excellence for public health insecticide application methods, recruit more collaborative research efforts, and engage in joint initiatives that help promote global health thus supporting a key national security priority for the DoD and Navy.

New NECE facility at the Camp Blanding Joint Training Center

NECE and the Florida Army National Guard established a permanent field-testing facility to evaluate novel vector control chemicals, equipment, and techniques that directly contribute to warfighter protection.

For more information

To learn more about the WII Program, visit: www.med.navy.mil/sites/nmcphc/wounded-ill-and-injured