Mosquito-Borne Disease Outbreaks

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Epi-Aids= Epidemiologic Assistance

• Urgent Public Health Problems such as:
  • Communicable disease outbreaks
  • Unexplained illness
  • Natural or man-made disasters
Getting Started

• Who can request?
  • State or Local Health Authority
  • Tribal Leaders
  • Federal Agencies
  • Military
  • CDC Vessels Sanitation Program

• Contact Epi-Aid program (www.cdc.gov) or CDC SME
Epi-Aid Characteristics

• Rapid Short term (1-3) usually on site
• Local requesting authority provides leadership
• CDC provides technical assistance by EIS officer and other subject matter experts
Vector-borne Outbreaks

• Have a plan? (or not)
  • Not just a written document **BUT** practice the plan **AND** let others know what the plan contains

• Know what works on a large scale
  • Routine activities-adjustments
  • Tools available
  • Status of insecticide resistance
Miami Beach cases and mosquito abundance

Cluster Identified
First truck adulticide
First aerial adulticide and truck larvicide

Number of human cases

Number of Ae. aegypti (F) collected per trap night by week

Epi Week

Miami Beach (South of 28th St)  Human Cases