ZIKV Response in Miami-Dade County – Jeff Hottenstein

a. Urban warfare against *Aedes aegypti*
   i. Door to door
   ii. Larviciding
   iii. Education

b. Background
   i. Over 1000 locally-acquired cases
   ii. CDC travel advisory
   iii. Patients mostly don't get sick
   iv. Need good history

c. Clarke Site Guard
   i. Modeled after Rutger University's container breeder program
   ii. Designed to be a supplement to local mosquito control
   iii. Design
      1. Surveillance – develop operational maps
      2. Inspections
         a. Larval
         b. Source reduction
      3. Adult control
         a. Travel-related
            i. Barrier treatment
            ii. DUET
         b. Locally-acquired
            i. Truck spray
            ii. Aerial spray of Naled
            iii. Aerial larviciding

d. The program
   i. Seasonal staff
      1. Recruiting
      2. Screening
      3. Interviews
   ii. Training
   iii. Equipment
   iv. Staff were given an ID and uniform
   v. Trucks had appropriate label

e. Protocols
   i. Knock on door
   ii. Stand back
   iii. Identify self
   iv. Ask for access
      1. 95% spoke Spanish
      2. 50% had no English

f. The challenge
i. Surveillance
   1. Cryptic breeding
   2. Think like a mosquito
   ii. Realtime mapping
h. Problems
   i. Protests over aerial spraying
   ii. No complaints about spray trucks
i. Results
   i. Got good control with ULV larviciding
   ii. Aerial spraying knocked out transmission