Zika Response:

Puerto Rico Department of Health

October, 2016
**Zika Timeline**

- **February 2014**: Zika reported for the first time in South America
- **May 2015**: Brazil reports its first case
- **December 2015**: Puerto Rico reports its first case
- **February 1, 2016**: World Health Organization a Public Health Emergency of International Concern
- **February 5, 2016**: The governor of Puerto Rico declares a State of Emergency. State EOC activated.
- **February 8, 2016**: The PR Department of Health activates its EOC and first Zika-CDC Deployers arrive in Puerto Rico.
Zika Timeline

- **On February 10, 2016**: PRDH Secretary issued Administrative Order #348 notifying all medical providers and insurance companies of their responsibilities regarding screening for Zika virus and ensuring appropriate pre-natal care for those pregnant women who have a positive result.
Zika Response

- Cumulative CONFIRMED CASES OF ZIKA BY ARBOVIRAL REPORT WEEK:
Initial Incident Management Structure
Actual Incident Management Structure
Zika Response

- **Zika Steering Committee**
  - Weekly meetings to ensure multi-agency coordination
    - Governance Secretary
    - PREMA Director
    - PRDH Secretary
    - State Epidemiologist
    - OPHPR Director
    - 9-1-1 Director
Zika Response

- Epidemiological Surveillance Systems:
  - Zika in general population
  - Zika Active Pregnancy Surveillance System (ZAPSS)
  - Guillain-Barre Syndrome Surveillance System
  - Donor blood and blood products testing
Zika Response

- **Laboratory Capacity:**
  - Ensure the Puerto Rico Public Health Laboratory maintains capacity to manage the expected surge in clinical samples
  - Validation and implementation of PCR Trioplex analysis
  - Validation and implementation of Zika IgM ELISA testing at both the CDC-DB and PRPHL
  - Prioritize high risk groups
  - Ensure timely transport of arboviral specimens.
Zika Response

- **Data Management**
  - Implementation of StarLIMS for lab data management
  - Installed RedCap on PRDOH servers to support access to ZAPSS
Zika Response

- Environmental Health/ Vector Control
  - Establish weekly schedules for fumigations
  - Vector scientific efforts
  - Provide insecticide and larvicide
  - Collection and disposal of used tires
  - Autocidal Gravid Ovitraps deployed
Zika Response

**Community Outreach**

- Zika orientations given to pregnant women through WIC clinics
- Zika orientations given by MRC volunteer personnel
- Zika Prevention Kits
- Assist in the coordination (along with PREMA) of community interventions
- 3-1-1 line employed to provide information regarding Zika, Voluntary Pregnant Woman registry, and as a breeding site reporting system
- Free Inside/Outside Residual Spraying for pregnant women
- Traveler’s Health team (Under leadership of CDC SJ Quarantine Station) placed electronic monitors and informative material about Zika at Luis Muñoz Marín International Airport and Port of San Juan.
Zika Response

- Clinician Outreach (Trainings provided):
  - Zika 101
  - Zika Train-the-Trainer
  - ZAPSS, microcephaly and head circumference measurement
  - How to fill out the ACIF
  - GBS surveillance system
  - Clinician Outreach and Communication Activity (COCA Calls/Webinars)
Zika Response

- **Partnerships**
  - Partner with communities and companies to distribute condoms, brochures, posters, repellent wipes and mini Zika prevention packets at large scale events.
  - Health fairs, concerts, “Fiestas patronales”
Zika Response

- **Behavioral Sciences**
  - Studies developed and carried out to assess the receptivity to proposed outreach, usage of prevention methods among others.
Zika Response

- Logistics
  - Identify storage for Zika prevention kits
  - Distribution of ZPKs to WIC clinics
Zika Response

- Health/Risk Communications
  - Zika web-site (within the PRDH site)
  - Zika-focused Facebook account
  - Development of educational materials
  - Monitoring of traditional and social media
  - Zika Ad Campaign
  - TV, radio and written media interviews
Zika Response

Why we do what we do?:

- 29,084 confirmed cases
  - 2,231 pregnant women
  - 201 hospitalized
  - 4 zika associated deaths and 2 deaths associated to GBS
- 51 GBS (40 Zika, 11 Flavivirus)
- 2 Congenital defects case
Thank You