City of Brownsville
On the Border By the Sea
Texas

LHD Initiative
LHD Initiative

Assignee Tasks

- The CDC has contracted with Chickasaw Nation Industries (CNI) to provide a Field Assignee for the City of Brownsville Public Health Department.
- The Field Assignee will provide technical advice and assistance to the Public Health Department.
- The Field Assignee will connect the COB Public Health to other participating Local Health Departments to exchange knowledge and information.
- The Field Assignee will foster and strengthened partnerships in the community to increase testing for Pregnant mothers and infants.
- The Field Assignee will provide outreach, education and support to local providers, clinicians, Promotoras and the community.

Work completed

- 35 physician practices visited (13 OBGYN and 22 Pediatric
- 3 Community events attended for education\awareness on Zika, Guinness Huapango, Cyclobia and BISD’s Getting the Conversation Started Parent Conference, Hurricane Awareness event.
- Collaborating with Valley Baptist Medical Center and Valley Regional Medical Center for testing.
- 2 Promotora group trainings performed.
- KBSD, a bilingual video created with Mrs. Pones and Art Rodriguez on Zika.
- Contacted UTHSPH and UTRGV on collaboration efforts.
- City of Brownsville Public Health Department Zika Webpage created.
- Participating in TACCHO (Texas Association of City and County Health Officials) bi-weekly meetings to increase communication
CDC established Zika cautionary area in Brownsville, TX

Enhanced Vector Surveillance
Brownsville TX.
Plan

- The City of Brownsville have a total of 52 traps placed out around the city.
- Our goal is to have 100 traps by the end of the year.
- Traps are set up at residence areas.
- We have four crews maintaining these traps. The crews is made up of one city employee.
Supply list

- **BG TRAPS**
  - 52 Traps

- **12V 14AMPS DC BATTERIES**
  - We rotate batteries every two days

- **CHARGERS**
  - To charge the batteries.

- **THERMOS**
  - To hold Dry Ice

- **HANGING HOOK**
  - To hang the thermos above the traps

- **ICE CHEST**
  - To store dry ice for the field

- **ZIPLOC BAGS LARGE**
  - To label each trap and collect the nets

- **REUSABLE ICE BAGS**
  - To keep the Mosquitoes calm and cool for transport.

- **DRY ICE**
  - For the mosquito traps

- **AEROSPERATOR EXTRACT MOSQUITOS**
  - To transfer mosquito from bag to shipping container

- **VEICLIES**
  - For staff members to collect traps

- **DOLLYS**
  - To move heavy supplies to and from vehicle

- **SHIPPING BOXES AND MOSQUITOS CONTAINERS**
  - To send them to the state at Austin
Choosing a location for the trap is a key part:

- Brushy area
- No wind
- Cool
- Keep in mind when choosing a location, safety for you and the trap

When setting up the BG Trap:
Each trap consists of:
- One 12v battery
- Thermal for dry ice
- Hook to hang thermal
- Dry ice
- And a lure.
Mosquito collection
Reset the trap

- We are currently performing mosquito surveillance to include the placement and collection of 52 traps in the city of Brownsville.
- We set up traps on Monday thru Thursday and ship traps Monday thru Thursday.
- We carry location ID bag and ice chest to store the live mosquito.
- We place Dry ice in the thermals everyday.
- We replace Battery every two days.
- We carry extra nets also.
In the lab we transfer mosquito specimens from the net to a shipping container using an aspirator. Once the specimens are in the containers, we label them with location information. It is important to feed the specimens to keep them alive. Using a cotton ball soaked in sugar and water, placing it on top of the container.
Collecting data

We keep daily and weekly counts for our records.
Shipping to the State Lab

Mosquito's are feed and placed in a special box that is insulated for temperature control.

An ice pack is placed to keep mosquitoes calm and cool for travel. Newspaper is also placed in the box to secure the containers from moving.

We then ship the Package overnight to State lab in Austin, Texas.
The State will then send us a report on each container.

Reports explains how many males or females, type of mosquito’s, and if a virus was found.
Thank you

Any Questions?

Acknowledgement:
Our Vector Control Division staff for their assistance in this presentation.