Why Zika?

BREAKING: A fourth case of Zika virus has been confirmed for the Houston area, according to Houston Health Department officials. We'll have more details on @KPRC2 News beginning at 4pm.

4th confirmed case of Zika virus in greater Houston area; 3rd in city of Houston

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Zika Virus

- Zika virus is an emerging mosquito-borne infection.
- It has the capacity to infect urban mosquitoes, in particular *Aedes aegypti*.
- It is primarily transmitted through the bite of an infected mosquito.
  - Transmission can also occur during pregnancy, from mother to fetus.
  - Confirmation of sexual transmission is particular concerning for this virus.
Clinical Presentation

- Fever
- Rash
- Headache
- Soreness and fatigue
- Eye Pain

As many as 4 out of 5 infected people may not show symptoms

- Causes microcephaly and other developmental problems for babies
- Causes Guillain-Barre and potentially other neurological problems at any age
Zika in the United States

As of March 22nd, 2017

• 5,185 cases of Zika reported in the United States
  - Includes 216 cases in Florida and 6 in Texas that were transmitted by local mosquitoes

• 324 cases reported in Texas
  - Includes 6 cases that were transmitted by local mosquitoes in Cameron County

• 36 cases in Harris County (excluding Houston)
  - Includes 2 infants born with microcephaly

• 35 cases in Houston
Funded Activities

3D ZIKA DEFENSE
- DRAIN
- DRESS
- DEET

PROTECT YOURSELF FROM ZIKA WITH THE 3 Ds.
For more information, visit us at
www.houstontx.gov/1275
or Harris County Tropical Disease Center
1531 Hemphill St.
Houston Health Department aggressively pursued funding to support the response to Zika Virus in Houston

Total Awards: $4.6M

- CDC Zika Birth Defects grant: $600K
- CDC Epidemiology and Laboratory Capacity (ELC) grant: $1.65M
- CDC ELC Zika Supplemental grant: $2.32M
- An additional $1.18M grant is forthcoming from Texas DSHS

The funding we have received allows us to monitor and respond to travel-associated Zika and not local transmission. We are grossly underfunded to respond to even moderate levels of local transmission.
## CDC – Zika-associated Birth Defects

<table>
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<tr>
<th>Total Award: $600,000</th>
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<td>Sep 2016 – Aug 2017</td>
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<td>Includes $200,000 in supplemental funds awarded in Dec 2016</td>
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### Activities:

- Develop a local Zika birth defects registry to interface with state and federal systems
- Establish rapid reporting for Zika birth defects and electronic exchange of information
- Host a Zika Symposium on May 11, 2017 for local stakeholders and subject matter experts
**Total Award:** $3.3 million – includes $1.65 million for mosquito borne diseases

**Aug 2016 – Jul 2017**
- $300,000 interlocal agreement for Harris County Public Health Mosquito Control

**Activities:**

- Bring Zika testing online (PCR and IgM) at HHD lab
- Hire 4 new FTEs in HHD Epidemiology to provide consultations for providers and address the surge in for test requests and investigations into possible Zika cases and Zika Pregnancy Registry
- Support Zika awareness and education
- $300,000 interlocal agreement with Harris County Public Health Mosquito Control for increased measuring and surveillance for Aedes mosquitos
Total Award: $2.32 million

Jan 2016 – Jul 2018*

HHD invited Harris County Public Health (HCPH) and Houston’s Solid Waste Management Department (SWMD) to participate in the grant writing process with us.

Activities:

- $500,000 for SWMD Zika abatement efforts with education and Zika prevention in the form of continued expansion of heavy trash and tire removal efforts
- $854,000 interlocal agreement with HCPH for expanded surveillance for Aedes mosquitoes, development an insecticide resistance monitoring program, equipment to support mosquito abatement activities, and Zika Pregnancy Registry
- $946,000 to continue HHD activities from the original ELC grant into 2018

* Note this project period runs through July 2018
Texas DSHS Zika

<table>
<thead>
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<th>Total Award: $1.18 million</th>
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<td>Mar 2016 – Jun 2018*</td>
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<td>Texas DSHS approval received last week – request for council ordinance forthcoming</td>
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### Activities:

- Partnership with Baylor College of Medicine to conduct screening for pregnant women at BCM-affiliated hospitals
- Contracts with community-based groups to conduct Zika education and prevention activities
- Expanded media outreach for Zika prevention messaging
- Contracts to conduct needs assessment for and install screening in homes to prevent mosquito bites

* Note this project period runs through July 2018
Thank you for your time