



HOUSTON HEALTH DEPARTMENT

Responding to Zika Virus in Houston

HOUSTONHEALTH.ORG



Why Zika?

 **KPRC2 / Click2Houston**   

February 1, 2016 · 

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.



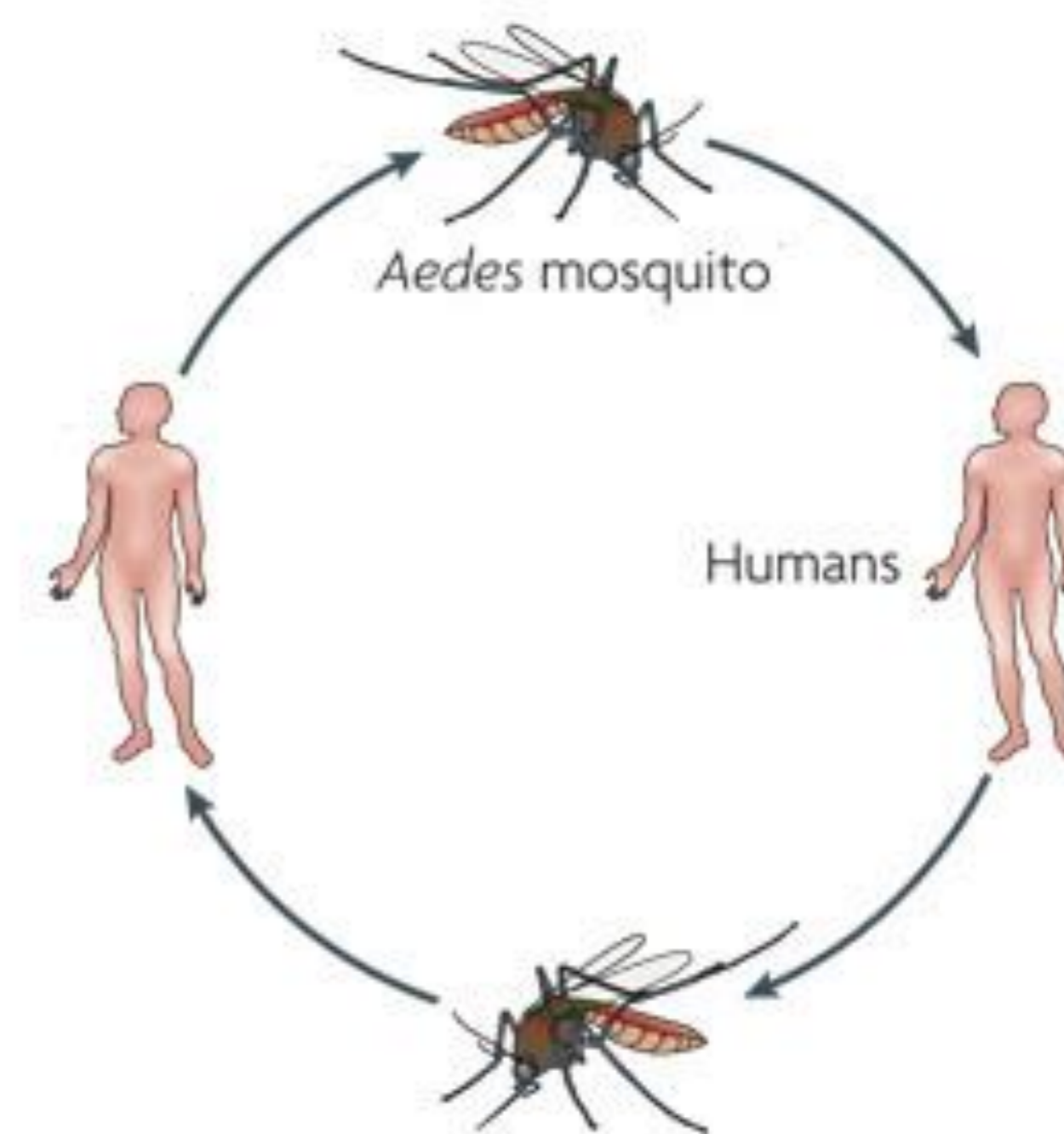
4th confirmed case of Zika virus in greater Houston area; 3rd in city of Houston

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- Zika virus 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



- 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

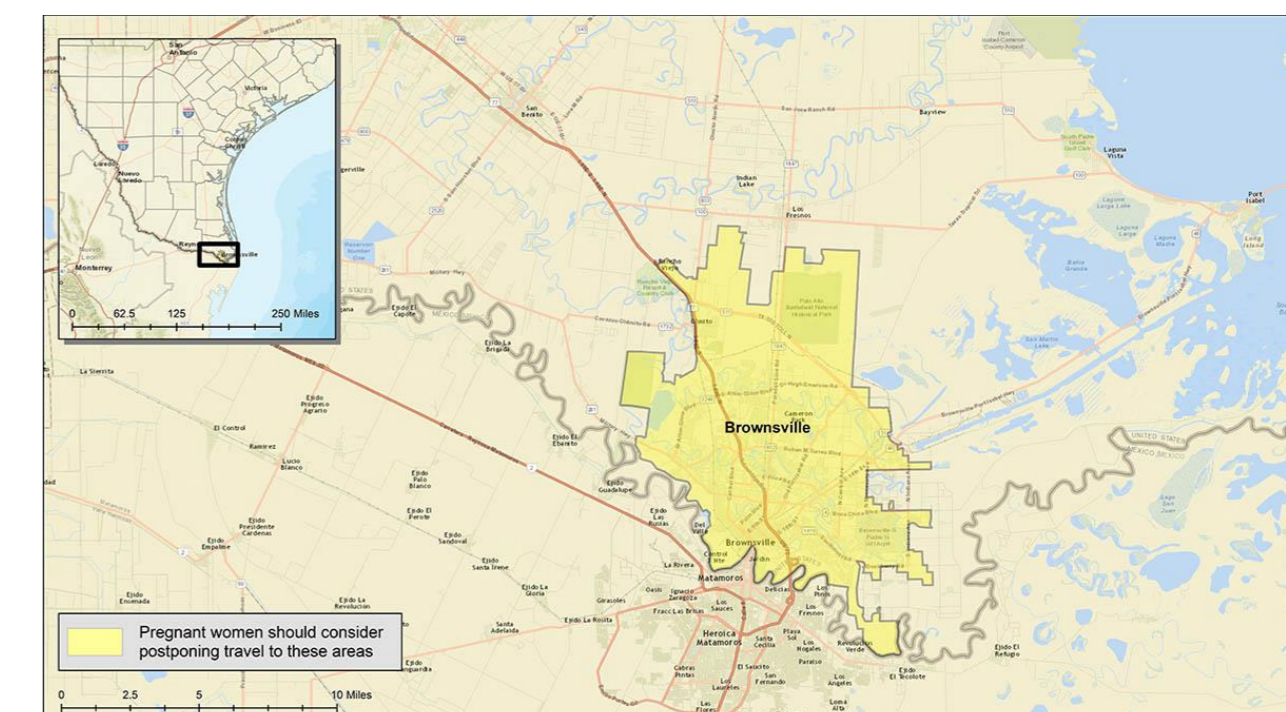
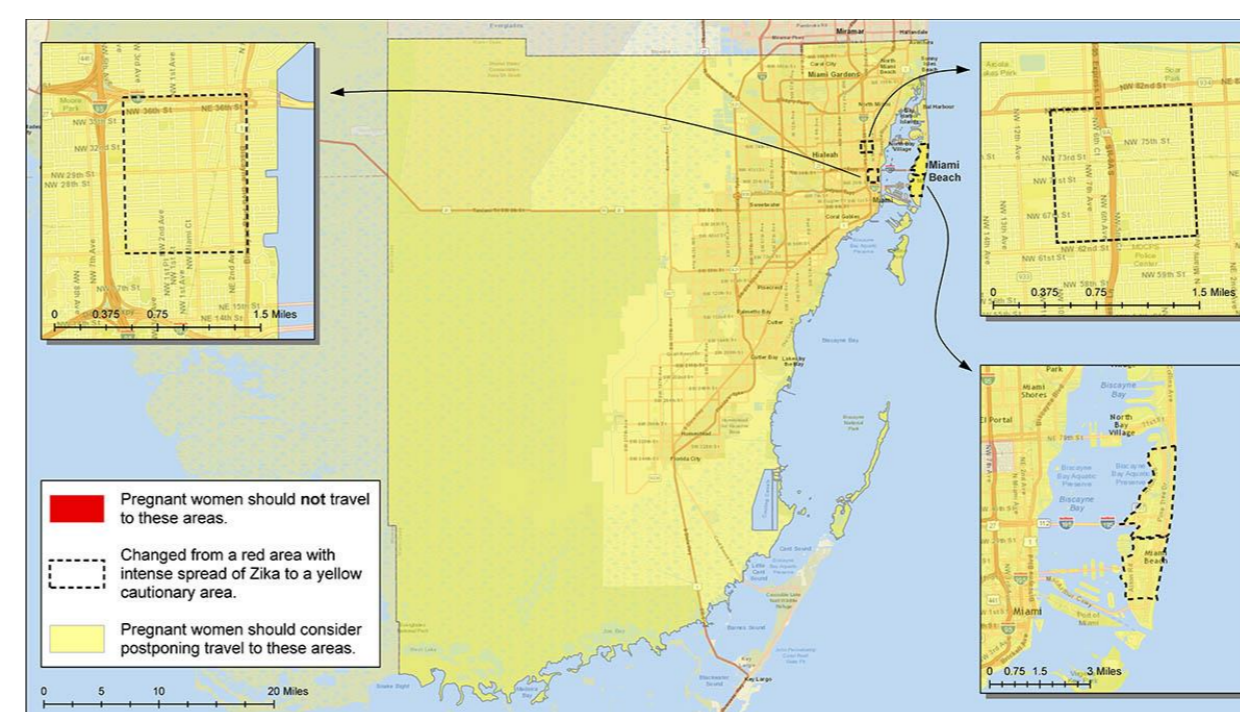
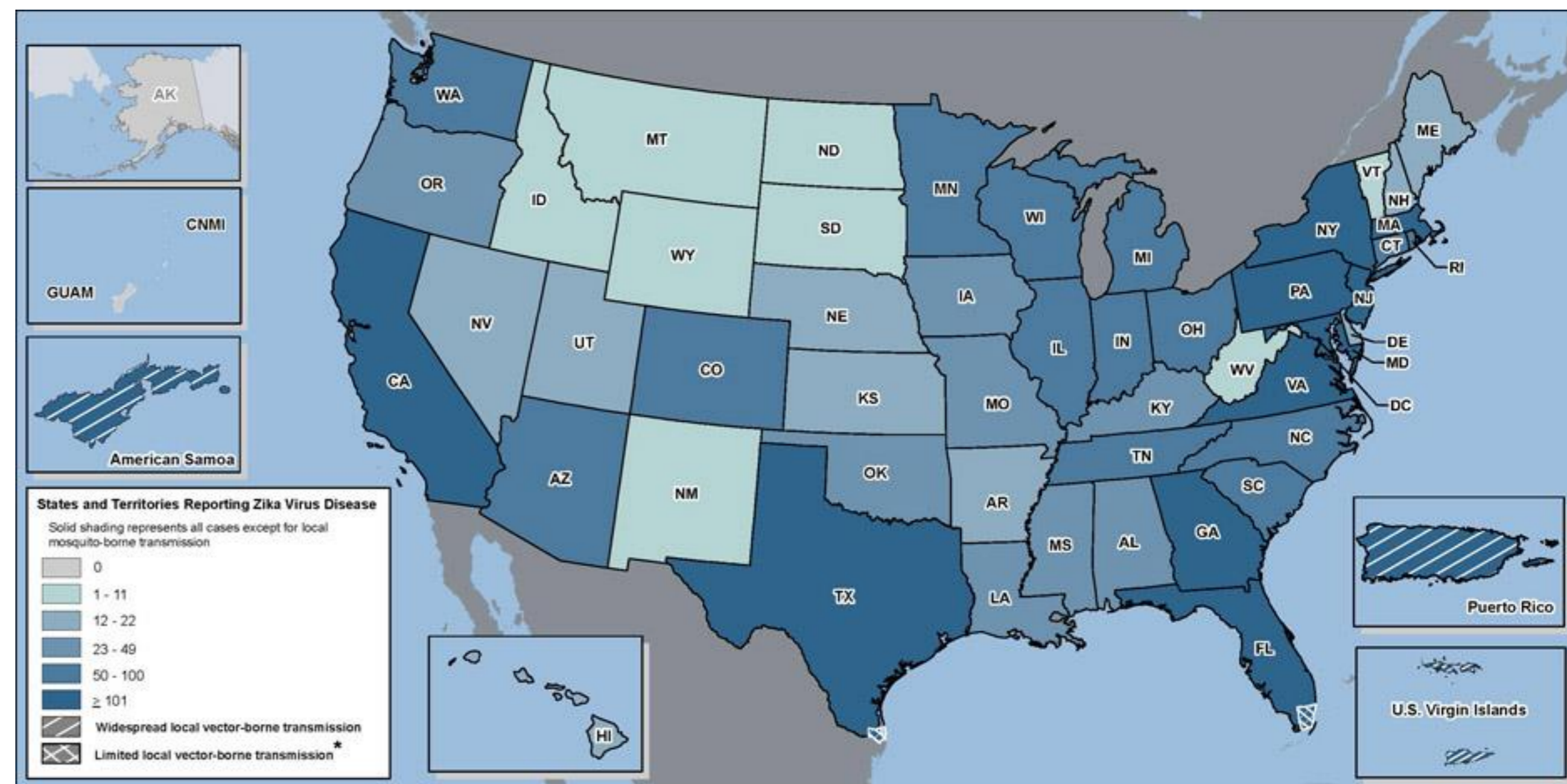
- 324 cases reported in Texas

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 PROTECT YOURSELF FROM ZIKA WITH THE 3 Ds.



DRAIN **DRESS** **DEET**

For more information, visit us at www.houstontx.gov, call 311 or Harris County Mosquito Control District 713.440.4800.



DEFENSA EN 3 PASOS PROTÉJASE DEL ZIKA CON 3 PASOS.



DRENAR **CUBRIR** **REPELENTE**

Para obtener más información, visítenos en houstonhealth.org, llame al 311 o Distrito de Control de Mosquitos del Condado de Harris 713-440-4800.



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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.



Total Award: \$600,000

Sep 2016 – Aug 2017

Includes \$200,000 in supplemental funds awarded in Dec 2016

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 mosquitos, 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



Total Award: \$1.18 million

Mar 2016 – Jun 2018*

Texas DSHS approval received last week – request for council ordinance forthcoming

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



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