



COMMUNITY ASSESSMENT FOR PUBLIC HEALTH EMERGENCY RESPONSE (CASPER)

Houston Health Department
Preliminary Report

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INTRODUCTION

Background

On February 9, 2018, Congress passed, and the President signed into law the Bipartisan Budget Act of 2018 (H.R. 1892), appropriating \$200 million to the Center for Disease Control (CDC) to be used for disaster response, recovery, preparation, mitigation and other expenses directly related to the consequences of Hurricanes Harvey, Irma, and Maria. The CDC activated the Crisis Cooperative Agreement (Crisis CoAg) for Hurricane Response to provide a portion of the funds to 64 impacted jurisdictions including Houston via the Houston Health Department's (HHD) Office of Chronic Disease, Health Education, and Wellness (OCDHEW).

The Community Assessment for Public Health Emergency Response (*CASPER*) is an evidence-based epidemiologic technique designed by the CDC to provide quick, inexpensive, accurate and reliable household-based public health information about a community for public health decision makers and emergency response officials. Following disasters and/or emergencies, CASPER provides a snapshot of community needs, informs recovery and relief efforts, and identifies risk factors for future events. CASPER is a critical surveillance tool for emergency response and recovery because it allows for the rapid collection of data to identify changes in basic needs (e.g., water, food, medical care) and health status (e.g.; mental health, chronic disease) of affected communities. This information is essential as it informs public health leaders and other decision makers about how these attributes change over time, so that limited resources are allocated for the most benefit.

On October 18th, 2018, as part of the awarded Crisis Cooperative Agreement for Hurricane Response, HHD hosted the Project 3-4 CASPER Training. A CDC representative with the Disaster Epidemiology & Response Team (DERT) and National Center for Environmental Health (NCEH) facilitated a full day, in-depth training to HHD staff assigned to the Hurricane Harvey CASPER project and those with designated roles in Disaster Emergency Preparedness and Response.

The training objectives were to:

- Increase the Houston Health Department's emergency response capacity
- Build staff disaster epidemiology skills
- Learn the components of the CASPER technique and how it is used to assess changing needs of communities affected by public health emergencies

This training was one of the initial deliverables essential to the implementation of the first CASPER, which was executed on April 2nd and 3rd of 2019. HHD employees who completed the training received certificates of completion and will be able to effectively use the CASPER methodology to respond during public health emergencies.

Mission Statement

The mission of the CASPER was to assess the needs of targeted communities impacted by Hurricane Harvey as a method to inform local officials who may use the results to strengthen relief efforts in the future, and to ensure resources are distributed appropriately.

Purpose

Due to the unprecedented flooding caused by Hurricane Harvey in August 2017, the Houston Metropolitan area has been left with extensive health and human service needs. Following any type of disaster, Houston public health and emergency management professionals must be prepared to respond to and meet the needs

of the affected public. Hurricane Harvey left thousands of residents without food, water, medications/medical devices, shelter, and access to health care. Communities that were already marginalized and most vulnerable before the hurricane remain the most impacted after Harvey. These communities have historically been lost in the recovery efforts and their ongoing needs may not be known for months or years.

To ensure a more immediate and informed public health response to the needs of vulnerable Houston communities, HHD has carried out two CASPER missions over the year with the latest being conducted on October 22nd and 23rd. Communities were selected based on the most recent FEMA disaster and damage rankings. The two CASPERs will inform a successful Assessment, Intervention, and Mobilization (AIM) project, a flagship innovation of HHD to empower the communities, in the spring of 2020. Additionally, the CASPER assessments will allow HHD decision makers to rapidly determine the health status and basic needs using tools and techniques designed by CDC but tailored for the Houston community.

Objectives

The objectives of the CASPER were to:

- **Identify** basic health and human service needs of communities that may be unresolved post-Harvey, using tools and techniques designed by the CDC but tailored for Houston communities.
- **Estimate** the effect of the hurricane on vulnerable households to inform future public health disaster response planning and recovery efforts.
- **Inform** local officials and community stakeholders who may use the results to strengthen relief efforts in the future.
- **Assess** community preparedness for an emergency (e.g., hurricane)

METHODS

Houston Health Department, with technical assistance from the Centers of Disease Control and Prevention (CDC), conducted a Community Assessment for Public Health Emergency Response (CASPER) along portions of South Houston that were severely affected by Hurricane Harvey. The target areas were informed by the examination of various data including FEMA valid registrant data, City of Houston damage assessment data, FEMA damage assessment data, poverty. HHD leadership decided to conduct the second assessment in the South quadrant of Houston in Edgebrook (77034).

Sampling

The standard CASPER two-stage cluster sampling methodology was used to select a representative sample of Houston households to be interviewed. The selected sample area, a population of 17,806 residents, included 6,367 housing units (2010 census data). In the first stage, Geographic Information Systems (GIS) was used to select 30 census blocks as clusters from the sampling frame. Selection was based on the probability proportional to the number of households within the clusters. However, there were only 28 clusters selected, as oversampling was selected for two of the clusters.

In the second stage, trained interview teams used systematic random sampling to select seven households from 26 clusters and 14 households from the two oversampled clusters. Detailed GIS maps of each selected cluster (marked with the calculated selection pattern to select the seven interviews) were provided to each interview team. Starting points were chosen at random by each field team, prior to leaving staging site.

Questionnaire

To collect the information needed, we developed a 39-item questionnaire (*See Appendix C*). The questionnaire was designed to collect information regarding household demographics, communications, preparedness, experience during the hurricane, physical and behavioral health, and services provided. The questions were pulled from a variety of sources including appendixes *B*, *C*, and *D* from CDC's CASPER Toolkit and previous surveys developed internally for other HHD community initiatives.

Analysis

Epi InfoTM 7.0, produced by the CDC, was used for data entry with analysis done using STATA v13 (StataCorp. 2013. Stata Statistical Software: Release 13. College Station, TX: StataCorp LP.) to calculate unweighted frequencies, weighted frequencies, and weighted percentages with 95% confidence intervals provided in this report. A weighted cluster analysis was conducted to estimate the number of households affected in the assessment area and account for the probability of selection for responding households. Additionally, several response rates were also calculated. The contact rate was calculated by dividing the number of completed interviews by the total number of attempted households. The cooperation rate was calculated by dividing the total number of completed interviews by the total number of households where contact was made. Lastly, the completion rate was calculated by dividing the number of completed interviews by the set CASPER goal of 210 interviews.

Just-In-Time Training

To adequately prepare field teams for the overall project initiative, a Just-In-Time (JIT) training was provided. Initially, the training was going to be offered on the first day of the CASPER; however, due to Texas labor laws, the 12-hour shift was not feasible. To ensure everyone participating in the CASPER received adequate training on the methodology and overall process, we offered a separate training the day before the CASPER. As a just-in-time training typically occurs on the actual day of a mission, we strived to have the training as close as possible to the implementation day.

On the afternoon of Monday, October 21st, 2019, we provided a 2.5-hour just-in-time training to the interview teams on the overall purpose, goals, and methodology of the CASPER. We also utilized this time to review household selection methods, questionnaire content, interview techniques, safety tips and logistical items. Trainees were sent home with the JIT PowerPoint Presentation, along with the consent script, questionnaire and tracking form to review. For any clarity questions, trainees were highly encouraged to reach out to the ICS team via email or phone before the CASPER.

Interview Teams

There was a total of 15 field teams; 12 of those teams included a driver and two interviewers. The other 3 teams included 2 interviewers on each team, and 1 driver for all 3 teams. This was possible because the 3 teams were assigned clusters within an apartment complex. Teams consisted primarily of staff from HHD and volunteers from various universities in the Houston area. Teams conducted interviews between approximately 11:00 a.m. and 6:30 p.m. Central Standard Time on both days. Each team attempted to conduct seven interviews in each of the 28 clusters (*with the exception of the 2 teams that were responsible for sampling 14 households each in two of the 28 clusters*), targeting a goal of 210 total interviews. All potential respondents approached were given a copy of the consent form containing contact telephone numbers for the Houston Health Department. Field teams also provided information bags to each household that completed an interview. The information bags included disaster preparedness informational flyers, resource one-pagers with recovery assistance information, DEET wipes, hand sanitizer, plastic bag for emergency

documents, and other beneficial public health and community resources with direct contact information. Eligible respondents had to be at least 18 years of age to participate in the interview. The duration of each interview lasted between fifteen and thirty minutes. The English-language based questionnaire and verbal consent were translated into Spanish and Vietnamese, and interviewers fluent in Spanish or Vietnamese conducted the interview upon request. After the completion of the survey, respondents received a \$20 gift card, redeemable at one of the local grocery stores.

ICS Structure

The CASPER mission is a large-scale planning effort that requires a well thought out and structured plan of action. Thus, we utilized the National Incident Management System (NIMS) Incident Command Structure (ICS) as a basis for organizing, planning, and executing CASPER activities. The ICS team conducted a series of meetings throughout the preparation and planning phases of the mission to ensure a successful CASPER. Preparation for the CASPER was performed by the following core sections with assigned responsibilities (See the *Organizational Chart in Appendix A*)

- Incident Command – Responsible for the overall effective and safe execution of the CASPER mission. This includes the administration of all human and material resources as well as overseeing public affairs/communication efforts with the public and public officials.
- Planning - Responsible for coordination and oversight of the following planning functions: data collection and analysis, community engagement, resource assessment and management.
- Operations - Responsible for coordination and oversight of planning and implementation of the following activities: field team composition and flow.
- Logistics - Responsible for providing logistical support including facilities, supplies, food, ground transportation, communication, and for managing the employee care unit.
- Finance & Administration - Responsible for documenting project costs, maintaining project timesheets, procurement of supplies, producing cost analyses and reports.
- External Partners - Responsible for securing external resources and engaging partners to participate.
- Volunteer Team - Responsible for recruiting and placing volunteers.
- Training - Responsible for developing and implementing training presentations.
- Internal Communications and Public Information - Responsible for developing and releasing information about the project to the public, media, etc.; developing materials for project promotion and keeping employees informed.
- Safety Officer - Plans for and monitors safety and security of staff.

RESULTS

Response Rates and Demographics

From October 22-23, 2019, interview teams successfully conducted 195 interviews, yielding a completion rate of 92.9% (See Table 1). Teams completed interviews in 46.5% of the houses approached. Of the households where successful contact was made, 66.7% completed an interview. The 195 interviewed households represent a sample of the 6,367 total households in Edgebrook area of Houston. Calculated estimates using weighted analysis (unweighted frequencies, weighted frequencies, estimated household estimates, and 95% confidence intervals) are provided in Tables 1-8.

An estimated sixty-eight percent (67.8%) of households were single family homes. The average household size was 3 members, with the most commonly reported age in the household being 18 to 64 years. Fifty-eight

percent (57.7%) of households sampled reported having Females of childbearing age (15-44) in the Household. The primary language spoken within households was English (53.1%), followed by Spanish (42.2%), with seventy-six percent (76.01%) identifying as Hispanic or Latino. More than one third (37.5%) had an annual household income of less than \$25,000, with fourteen percent (14.1%) having a household annual income of less than \$10,000. Weighted and unweighted frequencies of descriptive characteristics for households in Edgebrook area of Houston, Texas are shown in Table 2.

Communications

The most commonly reported main sources of household information about a disaster or emergency was TV (67.8%), Internet / online news (15.4%), Social media (7.2%) and Text message/Cell phone alerts (4.8%). Difficulty understanding English (15.1%), Impaired Hearing (6.9%), Impaired vision (5.6%), and Developmental/Cognitive disabilities (3.2%) were the top reported household barriers for effective communication during an emergency. Twenty-seven percent (26.7%) of households reported that they did not receive a warning for Hurricane Harvey. Weighted and unweighted frequencies of Communications for Edgebrook area of Houston, Texas are shown in Table 3.

Preparedness

Nearly two-thirds of households (64.9%) reported having an emergency supply kit present in their home since Hurricane Harvey. When asked how prepared they were before and after Hurricane Harvey, responses of “Well-prepared” increased (before to after) from twenty-nine percent (28.9%) to thirty-eight percent (37.9%) and responses of “Not at all prepared” decreased from thirty-one percent (31.5%) to twenty percent (20.0%). Households reported “Yes” to having emergency plans before hurricane Harvey including having an emergency communication plan such as a list of numbers and designated out-of-town contact (52.6%), copies of important documents in a safe location (e.g., water proof container) (63.4%), and multiple routes away from home in case evacuation is necessary (50.3%). The least reported emergency plan was a designated meeting place immediately outside of the home or close by in the neighborhood, with only twenty-nine percent (29.6%) of households reporting “Yes” to having that plan before Harvey. When inquired if the Household would evacuate if asked, responses included that the household would evacuate (67.7%), would not evacuate (9.9%), or decide whether to evacuate based on the specific situation (21.5%). For those Households choosing not to evacuate, the top reason was that it would be concern about leaving property behind. Weighted and unweighted frequencies of Preparedness Level & Emergency Plans for households in South Houston, Texas are shown in table 4A and 4B.

Damage & Impact due to Hurricane Harvey

When asked about the home damage due to Hurricane Harvey, sixteen percent (16.35%) of households reported minimal damage, thirty percent (30.0%) of households reported that their homes were damaged, but the damage was repairable, thirty-eight percent (38.0%) had no damage, and eleven percent (11.3%) reported their homes were destroyed. An estimated nineteen percent (19.4%) of households reported having to relocate permanently due to Hurricane Harvey. The top reported barriers to home repair included Money/Cost (19.8%) and No insurance (12.9%). When asked if since Hurricane Harvey, the household has seen mold or smelled a moldy/musty odor in home, twenty-four (24.6%) reported “Yes”. The most commonly reported action taken to remove mold was cleaning floors/walls (76.5%) and removing carpets/ upholstery (58.6%). Items used during cleanup included Bleach (70.7%), Gloves (72.1%) and Masks (64.8%). Twenty-five percent (25.1%) reported receiving aid since Hurricane Harvey, with six percent (5.9%) receiving services from a designated neighborhood restoration center. Weighted and unweighted frequencies of Damage and Impact due to Hurricane Harvey on households in South Houston, Texas can be found in Table 5A and 5B. Weighted

and unweighted frequencies of Services and Relief Aid for households in South Houston, Texas can be found in Table 6. Graph 3 displays a bar graph showing percentages of home damage status for Households in South Houston.

General Health Status

An estimated forty-five percent (44.8%) of households described their overall health as good, thirteen percent (13.1%) as fair, and twenty percent (20.5%) as very good. Twenty (20.0%) percent of households indicated having a member that had difficulty walking or climbing present in the home. When asked if the Household experienced any worsening of health conditions post-Harvey, fourteen percent (14.3%) reported worsening allergies, and ten percent (10%) worsening asthma. Graph 1 shows the percentages reported for each health category. Weighted and unweighted frequencies for reported Health for households in South Houston, Texas are presented in Table 7.

Functional Needs & Access to Care

Five percent (5.1%) of households indicated that it was more difficult to get the medical care that they needed since Hurricane Harvey. When asked if it was more difficult to get the prescription medication needed since Harvey, five percent (5.0%) of households reported yes. Three percent (3.3%) of the households reported difficulty maintaining medical equipment or supplies since Hurricane Harvey. Weighted and unweighted frequencies for reported Functional Needs & Access to care for households in South Houston, Texas are provided in Table 8.

Mental Health and Stress

An estimated eight percent (8.05%) of households reported that they did not feel that their home was safe to live in since Hurricane Harvey. Anxiety (12.34%) was the most commonly reported change in behavior or feeling experienced since Hurricane Harvey followed by difficulty sleeping / nightmares (9.34%), Hopelessness (5.99%), and difficulty concentrating (4.08%). Twenty-nine percent (29.45%) of households indicated they were sometimes worried or stressed about having enough money to pay rent or mortgage. When asked if the Household had received mental health services since Hurricane Harvey, ten percent (10.13%) reported “Yes”. A Bar chart showing the percentage of reported experienced changes in behaviors or feelings after Harvey can be found in Graph 2. Weighted and unweighted frequencies for reported Mental Health and Stress for households in South Houston, Texas can be found in Table 9.

Greatest Needs

More than half (55%) of the sampled households reported that their greatest need at this time was the need for repairs for their home. Other highly reported needs included money (16%), and food (12%). This percentages are based on the responses from the unweighted households. A Pie chart showing the unweighted percentage of the reported Greatest Need at This Time for Households sampled can be found in Graph 4.

DISCUSSION

The data presented in this report were compiled from the Houston Health Department's CASPER surveys conducted in the South quadrant of Houston in Edgebrook area during October 22-23, 2019. There were six main topic areas of inquiry that formed the basis and focus of this CASPER: 1) household demographics 2) communications, 3) preparedness, 4) experience during the hurricane, 5) physical and behavioral health, and 6) services provided.

The calculated completion rate was 92.9% based on the field interview teams conducting 195 interviews over two days (See Table 1). Of the houses approached or attempted, teams completed interviews in 46.5% of the houses approached (contact rate). Of the households with an eligible participant answering the door, 67.7% completed an interview (cooperation rate). The calculated contact rate of 46.5% indicates that more household samples (attempts) were required within the clusters in order to complete the necessary number of interviews. Analyzed tracking form data indicated that some teams encountered clusters with large volumes of homes not answering on 3rd legitimate attempts. Teams further reported that for these clusters, it was common for there to be signs of the household being occupied, however the household declined to answer the door. This is one of the key reasons for the lower contact rate despite interview teams using the correct systematic method and revisiting unanswered homes three legitimate times before replacing.

The Edgebrook community was majority Hispanic or Latino (76.01%), with the primary language spoken within households being English (53.1%), followed closely by Spanish (42.2%). Accurate demographic data is key for ensuring linguistically appropriate information is provided during and after a disaster or emergency event such as bilingual material and staff in shelters. This communication need is further indicated as fifteen percent (15.2%) of respondents reported difficulty understanding English as a key household barrier to effective communication during an emergency. Additionally, impaired hearing and impaired vision were also among the top communication barriers stressing the need for appropriate communication to be available during and in the aftermath of emergencies. More than two-thirds (67.8%) of households were single family homes, which is higher than the Houston average (38.5%) providing insight to the overall socioeconomic status of the area. Fifty-eight percent (57.7%) of households sampled reported having Females in the Household of childbearing age (15-44). This can be key for future implications regarding Zika prevention and maternal-child health. Although majority of residents received the warning for hurricane Harvey, a significant portion of the residents (26.7%) did not receive a warning for Hurricane Harvey. Relevant disaster preparedness agencies may need to work in closing this gap. TV, Internet/online news, and social media were among the top three reported sources of household information about a disaster or emergency. This information should be useful when deciding how to best alert this area prior and during a disaster or emergency.

HH Preparedness level after Harvey varied with the majority of residents feeling well prepared or somewhat prepared before Hurricane Harvey and nearly one-third feeling not at all prepared. However, only a small portion of household had a designated meeting place immediately outside their home or close by and more than half reported not having an emergency communication plan such as a list of phone numbers and designated out-of-town contact. Additional community and individual preparedness information may be needed to increase residents' perceived preparedness and encourage preparation of additional emergency plans.

Respondents reported anxiety (12.34%) as the most commonly reported change in behavior or feeling experienced since Hurricane Harvey followed by difficulty sleeping / nightmares, Hopelessness, and difficulty

concentrating. Furthermore, twenty-nine percent (29.45%) of households indicated they were sometimes worried or stressed about having enough money to pay rent or mortgage. These reported symptoms suggest some remaining implications of stress and/or mental duress due to Hurricane Harvey. However, when asked if the Household had received mental health services since Hurricane Harvey, ten percent (10.13%) reported “Yes”. These findings are in line with another study conducted after the hurricane Harvey in the Greater Houston area, which indicated that the increased hurricane exposure score is significantly associated with increased odds for probable depression, probable anxiety, and probable PTSD¹. Our data indicates a need for increased awareness and/or referrals to mental health services that could help residents cope with the difficult emotions and stress load that is common during and post emergency or disaster events.

Slightly more than one in five respondents reported that their household or a member of their household had difficulty walking or climbing. This information is useful when planning for residents needs during evacuations and shelter arrangements. When asked about any worsening health conditions since hurricane Harvey, fourteen percent (14.3%) of residents reported allergies and (10%) reported asthma worsening. This information may be useful for designing information around mold and other environmental exposures that could be harmful or irritants.

As anticipated by the FEMA disaster ranking data, household property damage was substantial for this area with more than half of interviewed households, although repairable in most cases, sustaining some level of damage from the Hurricane. Most of the damages were repairable and the community seems to have taken care of their homes. However, it is important to note here that nearly 10% of the homes have not been repaired yet and significant portion have relocated to another area due to hurricane Harvey. From the public health stand point, it is important to note that nearly a quarter of the households witnessed mold or smelled a moldy/musty odor in their home since hurricane Harvey. This need is further indicated with the majority of households reporting their greatest household need at this time being repairs, which may also include repairs required due to natural aging process of the homes in the area, despite it being over 25 months since hurricane Harvey occurred. It is also important to note that Houston also has experienced several smaller flooding events since Hurricane Harvey including Imelda that may have impacted or amplified the need for repairs.

The findings in this report indicate that additional public assistance resources and recovery planning are needed to address the long-term health and housing needs for highly impacted communities post a high-level disaster or emergency event such as hurricane Harvey. Considerations for the most effective methods to increase awareness of local resources and aid available are also needed as only (25%) of households reported receiving relief aid since Hurricane Harvey.

Limitations

These findings are also limited due to the exposure event of interest (hurricane Harvey) being over two years since the surveying for the event. This extensive time gap may cause a recall bias on part of respondents. In addition, Houston has experienced several flooding events since Hurricane Harvey including Imelda. This may also have caused some recall difficulty since respondents potentially had to distinguish memories from multiple flooding events.

Another potential limitation of this study could be related to relocation of the impacted households from the neighborhood. As indicated in the findings nearly one-fifth of the respondents relocated but we do not know what percentage of the neighborhood population relocated to other areas of City or County or elsewhere, thereby not being a part of the sampling frame.

Census data (2010) were used to create sampling weights and determine the probability of selection for each household. Since, 2010 census data were used, and Hurricane Harvey occurred in 2017, areas have experienced significant population changes. We anticipated that the Census data may not be fully representative of the current 2019 population. The use of 2010 census data and impact of Hurricane Harvey may have impacted the overall estimation of weighted analyses; however, directionality of the impact could not be confirmed. However, this potential population change from 2010 to 2019, may not have impacted the unweighted frequencies provided in this CASPER report due to the sampling methodology used. Interview teams likewise reported numerous changes in the actual landscape compared to the homes showed on the provided street level maps. Changes include new housing under construction, new or closed apartments, and numerous vacant and or abandoned, damaged homes.

Lessons Learned

During this CASPER, we piloted the use of a mixed methods data collection approach by piloting 15 tablets in the field and using paper surveys. Along with the tablets, the paper survey was also simultaneously completed for quality assurance. While the tablets provided a great pilot and expedited the post-data entry process, care should be taken to clearly pre-identify which surveys were entered using the tablet vs paper-pencil format. Furthermore, this information should also be communicated clearly during the data entry training to avoid duplicates and errors during the data entry process. It may be useful to make all the questions mandatory even if the responses are 'refused' or 'not applicable'.

Being one of the most diverse Cities, working with communities in Houston requires a good representation of diverse staff in terms of language and culture. We made sure that each team had at least one bi-lingual person but at sometimes, it appeared that more bi-lingual people were needed to complete the interviews in an efficient manner. Thus, future incidents and specially events related to disaster response may benefit from preparing a pool of disaster responders / surveyors that are bi and multi lingual.

Our experience indicated that during the Just-in-Time training, additional time and focus should be provided for the interview teams to discuss confusing areas before going into the field. More time should be allocated for a detailed Q&A on how to use the systematic sampling method, detailed explanation on the difference between attempts vs interviews, and how to document attempts using the tracking form. Most confusion and minor data collection errors arose from these three topics. Furthermore, post evaluation forms also revealed that these areas require additional clarity during the trainings. Also, Special care should be taken during trainings to ensure staff feel comfortable with using the tablet and understand the importance of cross referencing their completed tablet forms with the paper forms to minimize errors or discrepancies. Alternatively, local health departments like HHD may plan to create a pool of staff that are tech-savvy for the future CASPERs.

Writing the codes for data cleaning, re-categorization and data analysis a priori using mock data seems useful approach. It can be helpful in achieving the target of producing the preliminary report within 36 hours of data

collection. Furthermore, this can be achieved using the mobile devices that collect data into a single database.

During this CASPER, several of our clusters were selected for oversampling due to the large apartment complexes in the area. In addition to other outreach communication, we visited selected apartments to receive approval to access their property during the scheduled assessment and build trust. Through these networking and outreach efforts, we were not only able to get approval to enter the apartment's property, but also able to provide educational information to the apartment manager. In addition, one apartment also offered their onsite community room as a lunch site for our CASPER teams as needed. Mobilizing local resources was a tool that enabled us to meet our target goal and strengthen relationship with the community.

Despite the overall higher number of single-family homes that would suggest better economic status, there was still a large amount of repair barriers around costs and stress regarding finances. special consideration should be taken to ensure that small neighborhoods located in larger more affluent neighborhoods aren't overlooked in outreach and resource awareness efforts.

Unlike the previous CASPER, this time, we increased the number of planning staff during the CASPER field work for providing technical assistance, which seems to be a good strategy moving forward.

Team Evaluation Summary

HHD staff and volunteers played an integral part of the successful CASPER mission, and demonstrated a strong commitment to the project. Together, they worked collaboratively to complete the mission in the Edgebrook community.

120 HHD staff and volunteers converged in these communities on two separate days. The volunteers consisted of students from the University of Texas Health Science Center, University of Houston, Texas Southern University and Rice University School of Nursing. Although many the students' class schedules only allowed for participation on one day of the 2-day mission, all the volunteers were eager to help in any way possible. On day one, 64 HHD staff and 9 volunteers worked to knock on doors and interview residents, while on day two, 47 HHD staff and 9 volunteers worked in concert to reach the goal of engaging 210 families. Even though our efforts fell short, we were successful in interviewing 195 families (92.9% completion rate), which exceeded our secondary target (minimum 80% completion rate), as defined by CDC.

HHD staff and volunteers completed an evaluation on the last day of the CASPER. The purpose of the evaluation was to assess the needs and gaps in our outreach efforts to better plan and execute the upcoming fall CASPER mission. Most respondents of the evaluation revealed that they would like to participate in CASPER or AIM in the future. Both HHD staff and volunteers expressed wanting more training on how to use the tracking form correctly and suggested incorporating practice interviews. However, it was reported that the interviews themselves went smoothly, except when there was a language barrier. Notably, one of the popular responses indicated an overwhelming appreciation of having Spanish interpreters integrated in most of the field teams.

Furthermore, staff and volunteers stated that deploying to the field later rather than earlier seemed to be more beneficial when it came to completing interviews. It was suggested to consider a different gift card incentive; instead of the local grocery store, interviewers believed residents would benefit more from a Home

Depot or Kroger gift card, as many interviewees reported that they did not shop at the selected grocery store. Additionally, leveraging the GroupMe app was reported to be effective and efficient when requesting support from the ICS team in real-time during the interviewing process. All teams reported the GroupMe app as their preferred method of communication.

Overall, both staff and volunteers reported the following:

- The CASPER was very well organized
- Teams seemed to be well-balanced and worked proficiently together
- Assurance of supplies
- Team morale and cooperation

Feedback was also solicited on potential areas of improvement. Generally, there were not significant suggestions for improvement; however, several of the responses, as it relates to things that didn't work well, were requests to have more training on how to fill out the tracking form, being assigned role during training, and including sunscreen in backpacks. A safety officer was called to address any safety concerns, as needed. On top of that, the skip pattern methodology was found to be confusing for some, and a few struggled with getting residents to participate. Lastly, staff and volunteers reported that many residents were home, but would not open the door. Staff stated that they felt the residents had a lack of trust within the City, which may have discouraged them from participating.

TABLES AND GRAPHS

Table 1. Questionnaire response rates for households in South Houston, TX

Response Rates	Rate	Percent
Completion Rate	195/210	92.9%
Contact Rate	195/419	46.5%
Cooperation Rate	195/288	67.7%

Table 2: Weighted and unweighted frequencies of descriptive characteristics for households in South Houston, TX

		Unweighted n=195		Weighted n= 6367		
		Frequency	Estimated HHs	% of HH	95% CI (lb)	95% CI (ub)
Type of Structure						
	Single Family Homes	138	4318	67.83	47.51	83.08
	Multiple Units	57	2048	32.17	16.92	52.49
Number of HH members in each age category*						
	Less than 2 years	29	929	14.59	10.42	20.06
	2-17 years	104	3316	52.08	44.53	59.53
	18-64 years	167	5434	85.36	79.38	89.82
	65 years or older	56	1805	28.35	21.32	36.61
Females in HH ages 15-44						
	No	81	2659	41.76	34.43	49.47
	Yes	113	3675	57.73	49.79	65.29
Hispanic or Latino						
	No	47	1527	23.99	16.38	33.71
	Yes	148	4839	76.01	66.29	83.62
Primary Language						
	English	102	3385	53.17	43.63	62.47
	Spanish	9	2687	42.21	34.75	50.03
	Other	84	295	4.63	2.015	10.28
Annual Income						
	Less than \$10,000	27	898	14.15	9.709	20.16
	Less than \$25,000	44	1489	23.45	17.12	31.25
	Less than \$35,000	28	884	13.93	9.218	20.5
	Less than \$50,000	34	1084	17.07	11.63	24.34
	Less than \$75,000	22	719	11.32	6.595	18.74
	\$75,000 or more	19	580	9.133	5.882	13.92
Insurance						
	Un-insured	38	1331	20.91	14.52	29.14
	Private	52	1678	26.35	18.98	35.34
	Self-Pay	10	314	4.936	2.152	10.92
	Medicaid	36	1149	18.05	12.17	25.91
	Medicare	37	1225	19.24	13.26	27.07
	Harris FAP	4				
	other	13	406	6.383	3.665	10.89

*Please note that the responses for this question were check all that apply so the total responses do not add to 100%.

Table 3: Weighted and unweighted frequencies of Communications for households in South Houston, TX

		Unweighted n=195		Weighted n= 6367		
		Frequency	Estimated HHs	% of HH	95% CI (lb)	95% CI (ub)
HH main source of information about a disaster or emergency						
	Newspaper	1	--	--	--	--
	TV	134	4320	67.86	60.22	74.65
	Radio	3	--	--	--	--
	Internet/Online news	28	981	15.41	10.13	22.72
	Social media	14	461	7.234	4.195	12.2
	Text message/Cell phone alert	9	308	4.836	2.162	10.46
	Other	3	--	--	--	--
HH Barriers to effective communication during an emergency						
	Impaired hearing	15	444	6.979	4.077	11.69
	Impaired vision	12	358	5.617	3.183	9.724
	Developmental/cognitive disability	6	208	3.268	1.508	6.936
	Difficulty understanding written material	6	195	3.064	1.231	7.422
	Difficulty understanding English	29	967	15.19	10.53	21.42
HH Received Hurricane Harvey warning						
	No	52	1698	26.67	20.49	33.93
	Yes	133	4337	68.12	60.65	74.76
HH hear about survey prior to us talking to you today						
	No	184	5966	93.7	87.83	96.84
	Yes	11	401	6.298	3.158	12.17

*Please note that the Confidence Intervals may be inflated for those questions that have responses less than 5 and therefore are collapsed.

Table 4A: Weighted and unweighted frequencies of Preparedness & Emergency Plans for households in South Houston, TX

		Unweighted n=195		Weighted n= 6367		
		Frequency	Estimated HHs	% of HH	95% CI (lb)	95% CI (ub)
HH has an Emergency Supply Kit						
	No	64	2080	32.67	26.48	39.52
	Yes	126	4135	64.95	58.02	71.3
HH Preparedness level BEFORE Harvey						
	Well Prepared	54	1846	28.99	22.87	35.99
	Somewhat Prepared	71	2245	35.26	28.11	43.14
	Not at all Prepared	62	2009	31.56	25.61	38.18
HH Preparedness level After Harvey						
	Well Prepared	73	2415	37.93	30.58	45.88
	Somewhat Prepared	82	2661	41.8	33.65	50.42
	Not at all Prepared	39	1274	20.02	14.94	26.29
HH Emergency Plans Before Harvey such as:						
Emergency communication plan such as a list of numbers and designated out-of-town contact						
	No	102	3351	52.64	43.84	61.27
	Yes	87	2832	44.48	36.92	52.32
Designated meeting place immediately outside your home or close by in your neighborhood						
	No	123	4078	64.06	54.35	72.74
	Yes	59	1889	29.67	22.53	37.98
Designated meeting place outside of your neighborhood in case you cannot return home						
	No	110	3630	57.65	51.09	63.95
	Yes	78	2498	39.68	33.88	45.79
Copies of important documents in a safe location (e.g., water proof container)						
	No	65	2168	34.05	25.82	43.36
	Yes	125	4036	63.4	54.59	71.39
Multiple routes away from your home in case evacuation is necessary						
	No	88	2978	46.78	37.48	56.32
	Yes	101	3204	50.32	41.23	59.39

Table 4B: Weighted and unweighted frequencies of Preparedness & Emergency Plans for households in South Houston, TX

		Unweighted n=195		Weighted n= 6367		
		Frequency	Estimated HHs	% of HH	95% CI (lb)	95% CI (ub)
HH had the Financial means to prepare for Harvey						
	No	79	2452	38.51	30.58	47.09
	Yes	108	3642	57.2	49.39	64.67
If asked to Evacuate, HH would:						
	Evacuate	133	4315	67.77	58.37	75.92
	Would not evacuate	19	634	9.961	5.681	16.89
Decide whether or not to evacuate based on the specific situation		41	1369	21.5	14.72	30.31
If HH <u>chose</u> to evacuate, HH would stay:						
	Stay with family or friends IN the county	71	2271	52.63	41.97	63.05
	Stay with family or friends OUTSIDE of the county	29	897	20.8	13.66	30.36
	Go to a public disaster shelter	13	449	10.4	5.544	18.66
	Stay in a hotel or motel	22	764	17.71	11.9	25.54
	Stay in second home	4	--	--	--	--
If HH chose NOT to evacuate, why:						
	Inconvenient or expensive	3	--	--	--	--
	Concern about leaving property behind	8	255	40.19	15.51	71.1
	Concern about traffic or inability to get out of town	4	--	--	--	--
	Concern about personal or family safety	3	--	--	--	--

*Please note that the Confidence Intervals may be inflated for those questions that have responses less than 5 and therefore are collapsed.

Table 5A: Weighted and unweighted frequencies of Damage due to Hurricane Harvey on households in South Houston, TX

	Unweighted n=195		Weighted n= 6367		
	Frequency	Estimated HHs	% of HH	95% CI (lb)	95% CI (ub)
Described damage to home due to Hurricane Harvey					
No Damage	70	2425	38.08	29.39	47.62
Minimal Damage	32	1041	16.35	11.45	22.79
Damaged, but repairable	62	1914	30.06	20.49	41.76
Destroyed	23	721	11.32	6.412	19.21
HH or member(s) of HH had to Relocate Permanently					
No	150	4898	76.94	68.4	83.72
Yes	38	1241	19.49	13.5	27.29
Barriers to home repair					
Time	17	464	7.288	3.537	14.42
Finding materials/supplies	11	330	5.176	2.508	10.38
No insurance	26	824	12.94	8.452	19.31
Availability of contractors/skilled labor	15	470	7.389	4.034	13.15
Working on paperwork	7	216	3.389	1.475	7.596
Money/Cost	41	1263	19.83	12.77	29.48
Waiting on insurance claim	16	445	6.982	3.611	13.07
Waiting on a loan	5	--	--	--	--
Waiting on FEMA funds	17	530	8.325	4.127	16.08
None-No repairs needed	65	2255	35.41	26.94	44.9
How close is your home to the condition it was in BEFORE hurricane					
Completely repaired	56	1763	27.7	20.62	36.09
Somewhat repaired	44	1362	21.4	13.72	31.78
Not repaired at all	20	680	10.68	6.259	17.63
Never Damaged	62	2120	33.3	24.3	43.71

Table 6: Weighted and unweighted frequencies for reported Services and Relief Aid for households in South Houston, Texas

		Unweighted n=195		Weighted n= 6367		
		Frequency	Estimated HHs	% of HH	95% CI (lb)	95% CI (ub)
HH Received Relief Aid since Hurricane Harvey						
	No	144	4719	74.13	65.91	80.93
	Yes	49	1598	25.11	18.36	33.32
HH Received services from a neighborhood restoration center						
	No	168	5482	86.11	77.75	91.67
	Yes	12	379	5.957	2.398	14.04
	Did not know services were available	10	353	5.55	2.835	10.58
Received Services from:						
	Sunnyside Multi-Service Center	1	--	--	--	--
Since HHarvey, has your HH received any of the following services from the Houston Health Department?						
	Mosquito prevention	12	357	5.602	2.605	11.63
	Immunizations	11	314	4.9206	1.9672	13.774
	WIC	11	354	5.566	3.11	9.765
	Health education	1	--	--	--	--
	Laboratory Services	4	--	--	--	--
	Vital Records	3	--	--	--	--

*Please note that the Confidence Intervals may be inflated for those questions that have responses less than 5 and therefore are collapsed.

Table 7: Weighted and unweighted frequencies for reported Health for households in South Houston, Texas

		Unweighted n=195		Weighted n= 6367		
		Frequency	Estimated HHs	% of HH	95% CI (lb)	95% CI (ub)
General Health of HH						
	Excellent	36	1172	18.4	12.14	26.91
	Very Good	39	1308	20.54	14.11	28.91
	Good	87	2858	44.89	35.54	54.6
	Fair	27	835	13.11	10.04	16.94
	Poor	5	157	2.468	1.016	5.873
HH or member of HH has Difficulty walking or climbing						
	No	154	5052	79.35	72.72	84.7
	Yes	40	1277	20.06	14.78	26.63
Worsening health conditions since Hurricane Harvey						
	Asthma	20	639	10.0	6.71	14.76
	COPD	--	--	--	--	--
	Allergies	29	910	14.30	9.84	20.32
	Diabetes	9	303	4.76	2.27	9.72
	Hypertension	9	308	4.83	2.13	10.57
	Heart Disease	--	--	--	--	--
	Mental Health Condition	--	--	--	--	--
Were you or anyone in your HH injured as a result of HHarvey or during cleanup activities						
	Yes -Hurricane	3	--	--	--	--
	Yes – Cleanup	11	341	5.362	2.366	11.69
Since HHarvey, have you or any members of your HH had						
	Loss of appetite	7	211	3.319	1.428	7.526
	Agitated behavior	4	--	--	--	--
	Witnessed firsthand violent behaviors/threats	1	--	--	--	--
	Increased alcohol consumption	1	--	--	--	--

*Please note that the responses to worsening health conditions since Hurricane Harvey question was check all that apply, thus, the total responses do not add to 100%.

*Please note that the Confidence Intervals may be inflated for those questions that have responses less than 5 and therefore are collapsed.

Table 8: Weighted and unweighted frequencies for reported Functional Needs & Access to care for households South Houston, Texas.

		Unweighted n=195		Weighted n= 6367		
		Frequency	Estimated HHs	% of HH	95% CI (lb)	95% CI (ub)
Is it more difficult for HH to get medical care since HHarvey?						
	No	173	5697	89.94	83.35	94.1
	Yes	12	324	5.117	2.751	9.324
	N/A	8	297	4.689	2.004	10.58
Is it more difficult for HH to get prescription medication since HHarvey						
	No	175	5794	91.01	84.73	94.86
	Yes	12	319	5.006	2.684	9.148
	N/A	7	221	3.474	1.517	7.755
Is it more difficult for HH to use or maintain medical equipment since HHarvey?						
	Yes – Using	--	--	--	--	--
	Yes – Maintaining	7	211	3.31	1.63	6.61
	No	148	4903	77.02	6.57	84.94
	N/A	39	1252	19.66	11.97	30.58

*Please note that the Confidence Intervals may be inflated for those questions that have responses less than 5 and therefore are collapsed.

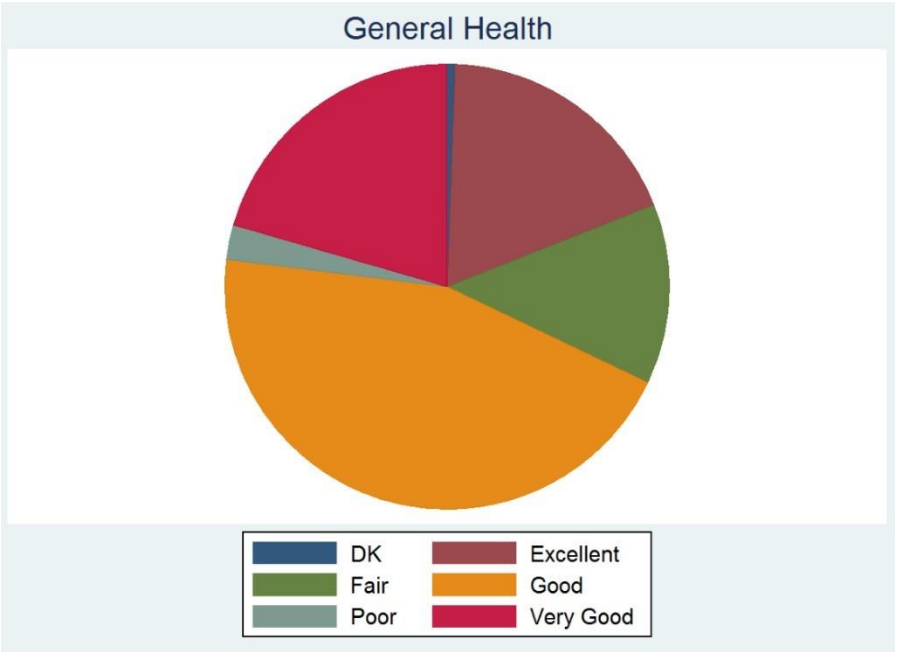
Table 9: Weighted and unweighted frequencies for reported Mental Health and Stress for households in South Houston, Texas

		Unweighted n=195		Weighted n= 6367		
		Frequency	Estimated HHs	% of HH	95% CI (lb)	95% CI (ub)
Did HH feel that their home is safe to live in						
	No	17	513	8.054	4.147	15.06
	Yes	174	5718	89.82	81.83	94.53
Since HHarvey, HH changes in behavior or feelings of:						
	Depression	12	341	2.36	271	1.31
	Anxiety	26	786	12.34	6.84	21.25
	Hopelessness	12	381	5.99	3.15	11.07
	Difficulty sleeping/ nightmares	20	595	9.34	5.20	16.22
	Difficulty concentrating	9	260	4.08	1.78	9.05
Since HHarvey, how often was HH worried or stressed about having enough money to pay rent/mortgage						
	Always	19	555	8.715	5.361	13.86
	Usually	13	417	6.553	4.225	10.03
	Sometimes	54	1875	29.45	21.22	39.28
	Rarely	20	663	10.42	6.484	16.32
	Never	87	2791	43.84	35.32	52.74
Since HHarvey, how often was HH worried or stressed about having enough money to buy nutritious meals						
	Always	24	697	10.95	6.474	17.92
	Usually	16	528	8.289	5.317	12.7
	Sometimes	34	1149	18.05	12.56	25.23
	Rarely	17	580	9.106	5.704	14.23
	Never	99	3232	50.77	41.43	60.05
Since HHarvey, did HH receive mental health services						
	No	172	5657	88.85	83.12	92.8
	Yes	21	645	10.13	6.337	15.8

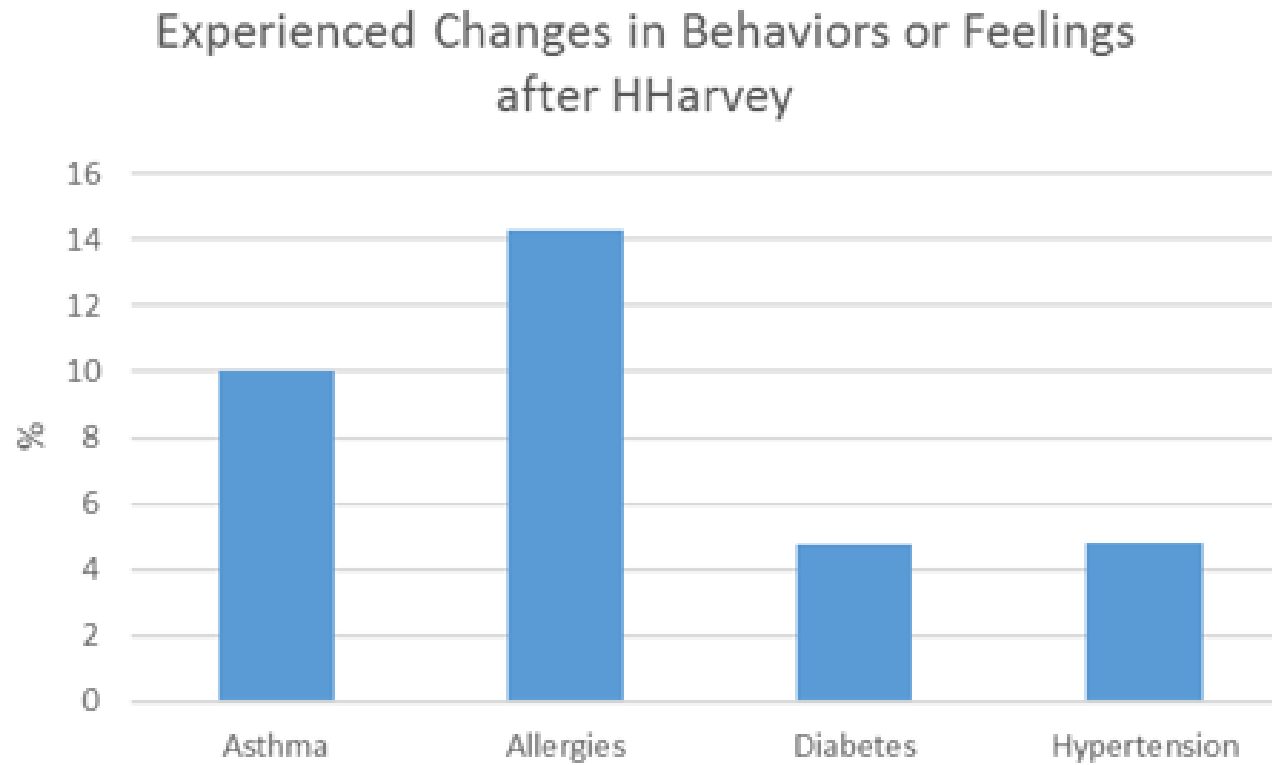
*Please note that the responses to changes in behavior or feeling since Hurricane Harvey question was check all that apply, thus, the total responses do not add to 100%.

CASPER Graphs 1 - 4

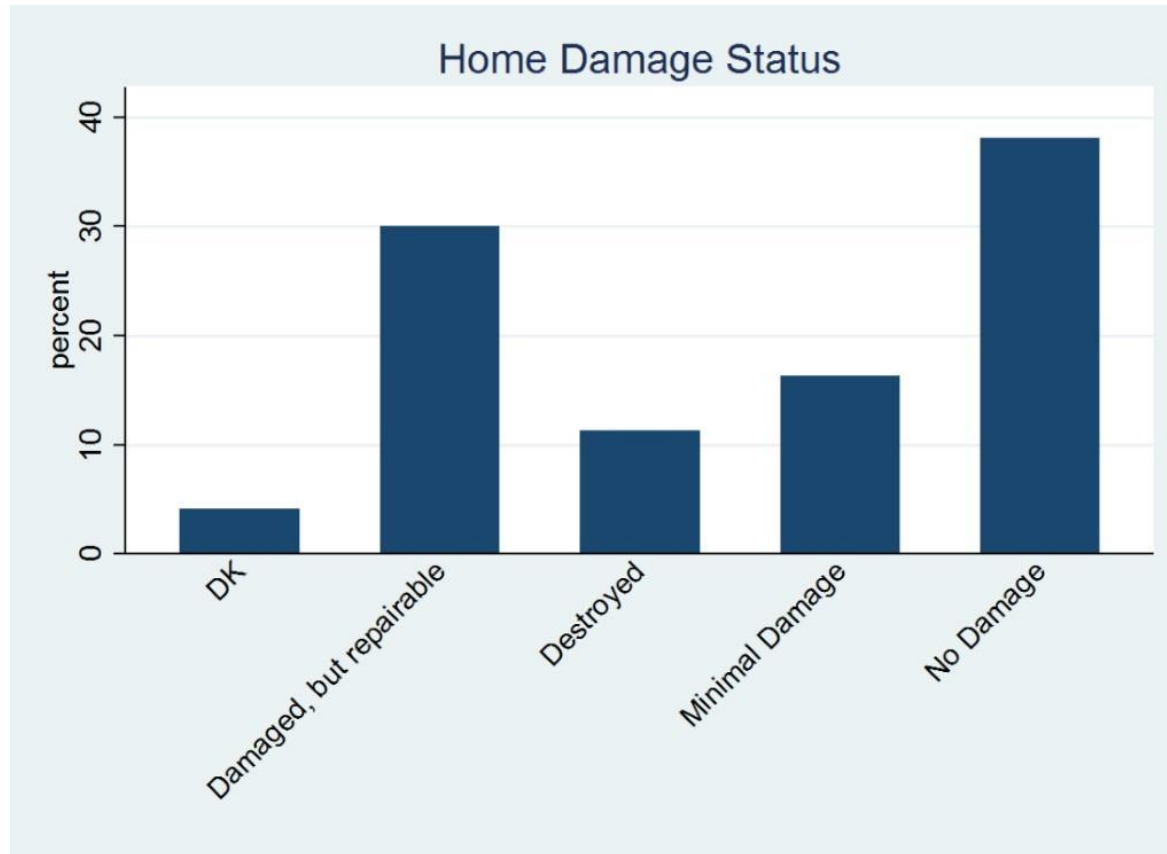
Graph 1: General Health for Households in Edgebrook area, Houston, TX



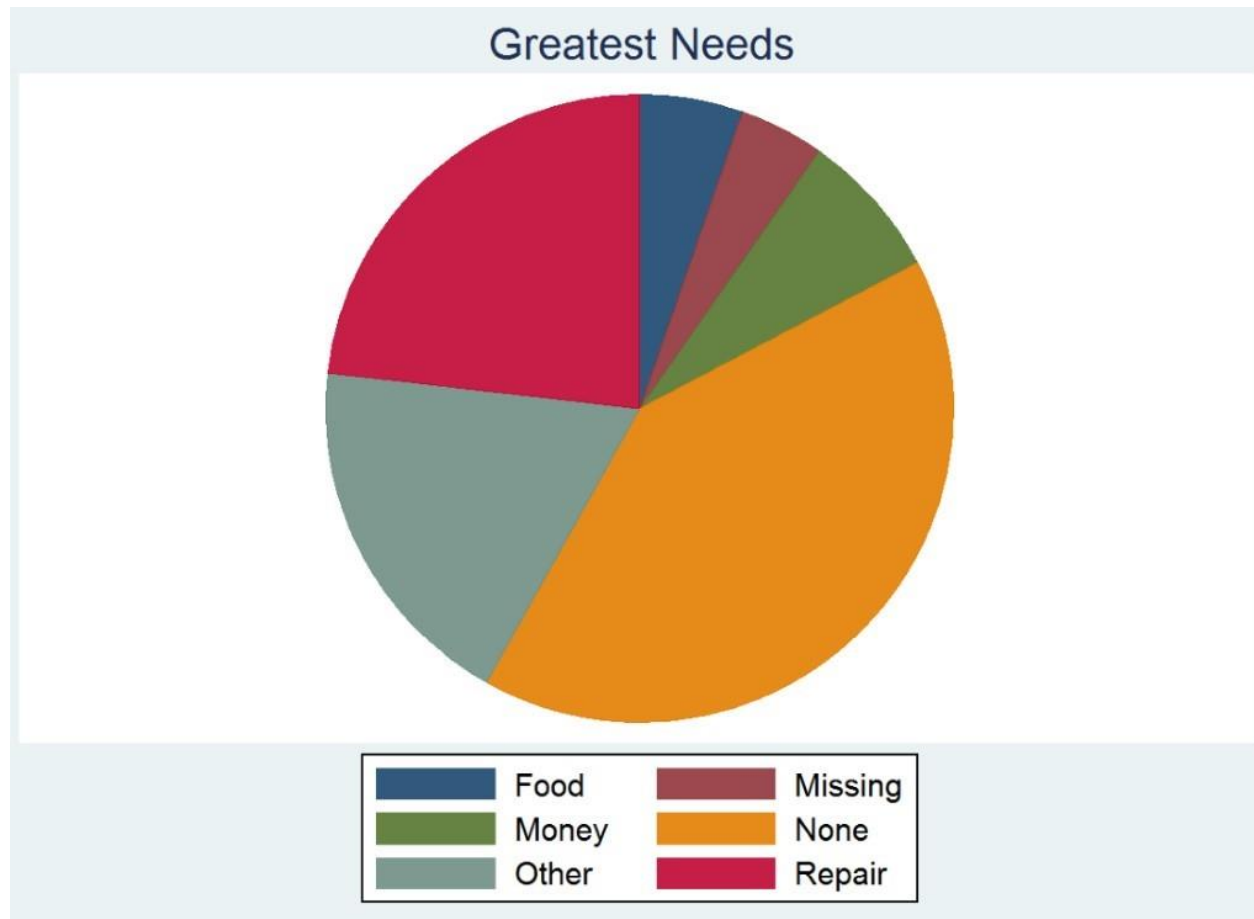
Graph 2: Experienced Changes in Behaviors or Feelings for Households in South Houston, TX



Graph 3: Home Damage Status - Households in South Houston, TX



Graph 4: Unweighted percentages for the Reported Greatest Needs for sampled households in Edgebrook Area, Houston, TX



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Dr. Vishnu P Nepal, Sr. Staff Analyst

Debra Maxell, Staff Epidemiologist

Center for Disease Control and Prevention

Amy Schnall, Project Officer

Arianna Hanchey, Project Officer

City of Houston Environmental Health Division

Patrick Key, Assistant Director

Daisy James, Bureau Chief

Sonja Lewis, Environmental Investigator V

Third Ward Multi-Service Center

Pedro Fonseca, Division Manager, Area B

Roy Villarreal, Administration Manager

Rosalinda Idlebird, Customer Service Representative

University of Houston

University of Texas Health Science Center

School of Public Health

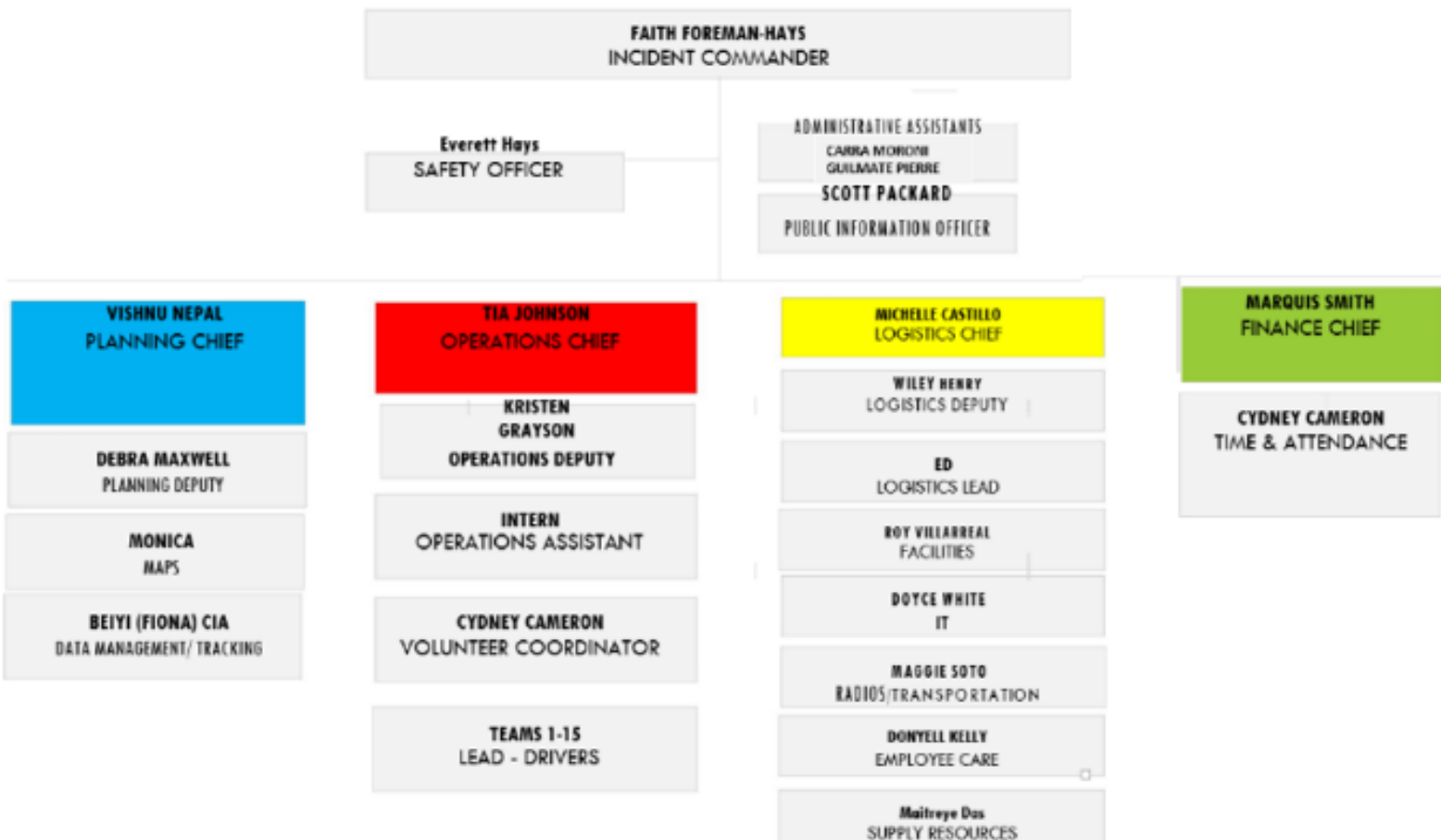
Texas Southern University

Rice University



Appendix A: ICS Chart

CASPER INCIDENT COMMAND STRUCTURE



Appendix B: Consent Form - English



Community Assessment for Public Health Emergency Response (CASPER) Introduction and Consent Script

Hello, my name is _____ and this is _____. We are with the Houston Health Department. We are talking to randomly selected households about basic health and human service needs that may be unresolved since Hurricane Harvey.

- ✓ We want to get an idea of how we can better serve the community, so we are offering a gift card if you choose to participate in a brief 15-minute survey.
- ✓ Your house is one of 210 that has been randomly chosen to be in this survey.
- ✓ If you agree to participate, we will not ask you any personal questions such as those about education or place of birth. The questions are about your *entire household*.
- ✓ Your answers will be kept **confidential** and the survey is **voluntary**.
- ✓ We also have some information we would like to leave with you that may be of interest to you and your household, if you choose to participate.

If you have any questions about this survey, you may call the Houston Health Department at (832) 393-5027.

[Surveyor: Wait for respondent to clearly answer YES or NO after each question below]

1. Would you be willing to participate in this survey?
2. Do you live in this home?
 - a. If “no”: Is there someone else who lives in this home that we can speak to?
3. Are you at least 18 years or older?
 - a. If “no”: Is there someone else 18 years or older who lives in this home that we can speak to?

Appendix B-1: Consent Form – Spanish



Evaluación de la Comunidad para Respuesta de Emergencia de Salud Pública (CASPER)

Introducción y guión de Consentimiento

Hola, mi nombre es _____ y este es _____. Estamos con el Departamento de Salud de Houston. Estamos hablando con hogares seleccionados al azar sobre las necesidades básicas de servicios humanos y de salud que no han podido resolverse desde el huracán Harvey.

- ✓ Queremos tener una idea de cómo podemos servir mejor a la comunidad, por lo que estamos ofreciendo una tarjeta de regalo si decide participar en una breve encuesta de 15 minutos
- ✓ Su casa es una de las 210 que se eligió al azar para participar en esta encuesta
- ✓ Si acepta participar, no le haremos preguntas personales como su educación o el lugar de nacimiento. Las preguntas son sobre su hogar entero
- ✓ Sus respuestas serán privadas y la encuesta es **voluntaria y anónima**.
- ✓ También tenemos información que nos gustaría dejar con usted que pueda ser de interés para usted y su familia, si decide participar.

Si tiene alguna pregunta sobre esta encuesta, puede llamar al Departamento de Salud de Houston al (832) 393-5169.

[Topógrafo: espere a que el encuestado responda claramente SÍ o NO después de cada pregunta a continuación]

1. ¿Estarías dispuesto a participar en esta encuesta?
2. ¿Vives en esta casa?
 - a. Si contesta "no": ¿Hay alguien más que viva en esta casa con quien podamos hablar?
3. ¿Tienes al menos 18 años o más?
 - a. Si la respuesta es "no": ¿Hay alguien más de 18 años o más que viva en esta casa con quien podamos hablar?

Appendix C: Questionnaire-English – Page 1

Community Assessment for Public Health Emergency Response (CASPER) – Hurricane Harvey Recovery

HHarvey: Hurricane Harvey HH-Household DK-Don't Know Ref-Refused N/A-Not Applicable

Date: / / Cluster Number: Interview Number: Team Name:

Demographic Information

Q1. Type of structure: <input type="checkbox"/> Single family <input type="checkbox"/> Multiple unit <input type="checkbox"/> Mobile home <input type="checkbox"/> Other _____	Q5. Do you or any members of your HH identify as Hispanic or Latino? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q2. Including yourself, how many people live in your HH? _____	Q6. What is the main language spoken in your HH? <input type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> Other _____ <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q3. Including yourself, are there any people living in your HH that are: Less than 2 years old? <input type="checkbox"/> Yes <input type="checkbox"/> No 2-17 years? <input type="checkbox"/> Yes <input type="checkbox"/> No 18-64 years? <input type="checkbox"/> Yes <input type="checkbox"/> No 65+ years? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q7. What is your HH's primary source of health care coverage? (Check ALL): <input type="checkbox"/> Un-insured <input type="checkbox"/> Private <input type="checkbox"/> Harris FAP (Financial Assistance Program, formerly Gold Card) <input type="checkbox"/> Medicare <input type="checkbox"/> Medicaid <input type="checkbox"/> Military Insurance <input type="checkbox"/> Self-Pay <input type="checkbox"/> State Children Health Insurance Program (S-CHIP) <input type="checkbox"/> Other Public Insurance _____ <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q4. Including yourself, are there any females living in your HH between the ages of 15-44? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	

Communications

Q8. What is your HH's main source of information about a disaster or emergency event? (Check ONE): <input type="checkbox"/> Newspaper <input type="checkbox"/> TV <input type="checkbox"/> Radio <input type="checkbox"/> Internet/Online news <input type="checkbox"/> Friends, Family/Word of Mouth <input type="checkbox"/> Social media <input type="checkbox"/> Flyer/poster <input type="checkbox"/> Text message/Cell phone alert <input type="checkbox"/> Other _____ <input type="checkbox"/> Church/place of worship <input type="checkbox"/> None _____ <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q10. Did you or members of your HH hear about this survey prior to us talking to you today? <input type="checkbox"/> Yes <input type="checkbox"/> No (Skip to Q11) <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q9. Did your HH get a warning about HHarvey? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q10a. If YES, how did you or your HH members hear about it? <input type="checkbox"/> Social Media <input type="checkbox"/> Website <input type="checkbox"/> Email <input type="checkbox"/> Family/Friend/Neighbor <input type="checkbox"/> Radio <input type="checkbox"/> Flyer <input type="checkbox"/> Text message/Cell phone alert <input type="checkbox"/> Other _____ <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q11. Does anyone in your HH have any of the following that could be barriers to effective communication during an emergency? (READ & Check ALL): <input type="checkbox"/> Impaired hearing <input type="checkbox"/> Impaired vision <input type="checkbox"/> Developmental/cognitive disability <input type="checkbox"/> Difficulty understanding written material <input type="checkbox"/> Difficulty understanding English <input type="checkbox"/> None of the above <input type="checkbox"/> DK <input type="checkbox"/> Ref	

Preparedness

Q12. BEFORE HHarvey, how prepared did you feel your HH was to handle the hurricane? (READ) <input type="checkbox"/> Well Prepared <input type="checkbox"/> Somewhat Prepared <input type="checkbox"/> Not at all Prepared <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q15. If your HH were asked to evacuate, would your HH (READ & Check ONE): <input type="checkbox"/> Evacuate (Skip to Q15a) <input type="checkbox"/> Would not evacuate (Skip to Q15b) <input type="checkbox"/> Decide whether or not to evacuate based on the specific situation (Skip to Q16) <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q13. BEFORE HHarvey, did your HH have any of the following emergency plans? (READ & Check ONE for each) Emergency communication plan such as a list of numbers and designated out-of-town contact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref Designated meeting place immediately outside your home or close by in your neighborhood <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref Designated meeting place outside of your neighborhood in case you cannot return home <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref Copies of important documents in a safe location (e.g., water proof container) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref Multiple routes away from your home in case evacuation is necessary <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q15a. If your HH chose to evacuate, where would your HH stay until your HH could return home? (Check ALL and skip to Q16): <input type="checkbox"/> Stay with family or friends IN the county <input type="checkbox"/> Stay with family or friends OUTSIDE of the county <input type="checkbox"/> Go to a public disaster shelter <input type="checkbox"/> Sleep in a car or outdoors <input type="checkbox"/> Stay in a hotel or motel <input type="checkbox"/> Stay in second home <input type="checkbox"/> Other (specify): _____ <input type="checkbox"/> DK <input type="checkbox"/> Ref Q15b. If your HH chose NOT to evacuate, why? (Check ALL): <input type="checkbox"/> Concern about Pets <input type="checkbox"/> Lack of transportation <input type="checkbox"/> Inconvenient or expensive <input type="checkbox"/> Lack of trust in public officials <input type="checkbox"/> Concern about leaving property behind <input type="checkbox"/> Concern about personal or family safety <input type="checkbox"/> Concern about traffic or inability to get out of town <input type="checkbox"/> Job requires HH members to stay and help <input type="checkbox"/> Health problems or functional needs <input type="checkbox"/> Other: _____ <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q14. BEFORE HHarvey, did your HH have the financial means to prepare for HHarvey? (Such as creating an emergency plan, emergency supply kit, having a 3-day supply of food or water, etc.) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q16. How prepared do you feel your HH is now to handle another disaster? (READ) <input type="checkbox"/> Well Prepared <input type="checkbox"/> Somewhat Prepared <input type="checkbox"/> Not at all Prepared <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q17. Does your HH have an Emergency Supply Kit with supplies like water, food, flashlights, and extra batteries that is kept in a designated place in your home? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	

Experience During Hurricane

Q18. How would your HH describe the damage to your home from HHarvey? (READ & Check ONE): <input type="checkbox"/> No Damage (Skip to Q22) <input type="checkbox"/> Minimal damage <input type="checkbox"/> Damaged, but repairable <input type="checkbox"/> Destroyed <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q21. Since HHarvey, has your HH seen mold or smelled a moldy/musty odor in your home? <input type="checkbox"/> Yes (Skip to Q21a) <input type="checkbox"/> No (Skip to Q22) <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q19. Did you or any members of your HH have to relocate permanently due to HHarvey? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q21a. If YES, what actions has your HH taken to remove the mold? (READ & Check ALL): <input type="checkbox"/> Removed carpets/upholstery <input type="checkbox"/> Cleaned floors/walls <input type="checkbox"/> Removed appliances <input type="checkbox"/> Threw out clothes/toys <input type="checkbox"/> Other _____ <input type="checkbox"/> Nothing <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q20. What, if any, were barriers to your home repair? (Check ALL): <input type="checkbox"/> Time <input type="checkbox"/> Finding materials/supplies <input type="checkbox"/> No insurance <input type="checkbox"/> Availability of contractors/skilled labor <input type="checkbox"/> Working on paperwork <input type="checkbox"/> Money/Cost <input type="checkbox"/> Waiting on insurance claim <input type="checkbox"/> Waiting on a loan <input type="checkbox"/> Waiting on FEMA funds <input type="checkbox"/> None-No barriers <input type="checkbox"/> None-No repairs needed <input type="checkbox"/> Other _____ <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q21b. If YES, did you or members of your HH use any of the following items during cleanup? (READ & Check ALL): <input type="checkbox"/> Gloves <input type="checkbox"/> Masks <input type="checkbox"/> Bleach <input type="checkbox"/> Other _____ <input type="checkbox"/> Nothing <input type="checkbox"/> DK <input type="checkbox"/> Ref

Appendix C: Questionnaire-English – Page 2

Community Assessment for Public Health Emergency Response (CASPER) – Hurricane Harvey Recovery
 HH=Hurricane Harvey HH=Household DK=Don't Know Ref=Refused N/A=Not Applicable

Date: / / Cluster Number: Interview Number: Team Name:

Q22. How close is your home to the condition it was in BEFORE the hurricane? (READ) <input type="checkbox"/> Completely repaired <input type="checkbox"/> Somewhat repaired <input type="checkbox"/> Not repaired at all <input type="checkbox"/> Never Damaged <input type="checkbox"/> DK <input type="checkbox"/> Ref	
Physical and Behavioral Health	
Q23. What is the general health of you and the members of your HH? <input type="checkbox"/> Excellent <input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q29. Do you or any member of your HH have difficulty walking or climbing stairs? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q24. Since HHarvey, has it been more difficult for anybody in your HH to get the medical care they need? <input type="checkbox"/> Yes <input type="checkbox"/> No (Skip to Q25) <input type="checkbox"/> DK <input type="checkbox"/> Ref Q24a. If YES, Why? (Check ALL) <input type="checkbox"/> Usual clinic/physician closed <input type="checkbox"/> Home health services disrupted <input type="checkbox"/> Money/cost <input type="checkbox"/> Insurance problems <input type="checkbox"/> No transportation <input type="checkbox"/> Other <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q30. Since HHarvey, have you or any members of your HH had (READ & Check ALL) <input type="checkbox"/> Loss of appetite <input type="checkbox"/> Agitated behavior <input type="checkbox"/> Witnessed firsthand violent behaviors/threats <input type="checkbox"/> Increased drug use <input type="checkbox"/> Increased alcohol consumption <input type="checkbox"/> Other <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q25. Since HHarvey, has it been more difficult for anybody in your HH to get the prescription medication they need? <input type="checkbox"/> Yes <input type="checkbox"/> No (Skip to Q26) <input type="checkbox"/> N/A (Skip to Q26) <input type="checkbox"/> DK <input type="checkbox"/> Ref Q25a. If YES, Why? (Check ALL) <input type="checkbox"/> No access to physician/medical care <input type="checkbox"/> Usual pharmacy closed <input type="checkbox"/> Money/cost <input type="checkbox"/> Insurance problems <input type="checkbox"/> No refrigeration for medication <input type="checkbox"/> No supplies (i.e., syringes, alcohol) <input type="checkbox"/> No transportation <input type="checkbox"/> Other <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q31. Since HHarvey, does your HH feel your home is safe to live in? <input type="checkbox"/> Yes <input type="checkbox"/> No; Why not? <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q26. Since HHarvey, has anyone in your HH experienced any increase in difficulty using or maintaining their medical equipment or supplies outside of normal care because of the hurricane? <input type="checkbox"/> Yes – Using <input type="checkbox"/> Yes – Maintaining <input type="checkbox"/> No <input type="checkbox"/> N/A – does not use any medical equipment or supplies <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q32. How often since HHarvey would you say your HH was worried or stressed about having enough money to: Q32a. Pay your rent/mortgage? (READ) <input type="checkbox"/> Always <input type="checkbox"/> Usually <input type="checkbox"/> Sometimes <input type="checkbox"/> Rarely <input type="checkbox"/> Never <input type="checkbox"/> DK <input type="checkbox"/> Ref Q32b. Buy nutritious meals? (READ) <input type="checkbox"/> Always <input type="checkbox"/> Usually <input type="checkbox"/> Sometimes <input type="checkbox"/> Rarely <input type="checkbox"/> Never <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q27. Were you or anyone in your HH injured as a result of HHarvey or during cleanup activities? (CHECK ALL) <input type="checkbox"/> Yes -Hurricane <input type="checkbox"/> Yes – Cleanup <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q33. Since HHarvey, has anyone in the HH experienced changes in behavior or feelings of (READ & Check ALL): <input type="checkbox"/> Depression <input type="checkbox"/> Anxiety <input type="checkbox"/> Hopelessness <input type="checkbox"/> Difficulty sleeping/nightmares <input type="checkbox"/> Difficulty concentrating <input type="checkbox"/> None <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q28. Since HHarvey, have you or any members of your HH experienced worsening of (READ & Check ALL): <input type="checkbox"/> Asthma <input type="checkbox"/> COPD <input type="checkbox"/> Allergies <input type="checkbox"/> Diabetes <input type="checkbox"/> Hypertension <input type="checkbox"/> Heart Disease <input type="checkbox"/> Previous mental health condition <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q34. Since HHarvey, have you or any members of your HH received services from a counselor, pastor/clergy member, therapist, social worker, or SAMHSA hotline for behavioral and/or mental health concerns? <input type="checkbox"/> Yes (Skip to Q35) <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref Q34a. If NO, do you or any members of your HH know how to access services for mental health, if needed? (A list of mental health resources is in the bag you will give them) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref
Services	
Q35. Since HHarvey, has your HH received any of the following services from the Houston Health Department? (READ & Check ALL) <input type="checkbox"/> Mosquito prevention <input type="checkbox"/> Immunizations <input type="checkbox"/> WIC <input type="checkbox"/> Health education <input type="checkbox"/> Neighborhood nuisance <input type="checkbox"/> Laboratory Services <input type="checkbox"/> Tuberculosis <input type="checkbox"/> Harris County Area Agency on Aging <input type="checkbox"/> Vital Records <input type="checkbox"/> Did not receive any services <input type="checkbox"/> Other (specify): <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q36. Have you or any member of your HH received any type of aid as part of the relief effort? <input type="checkbox"/> Yes (Skip to Q36a) <input type="checkbox"/> No (Skip to Q36b) <input type="checkbox"/> DK <input type="checkbox"/> Ref Q36a. If YES, what type of aid? (Check ALL) <input type="checkbox"/> Food <input type="checkbox"/> Water <input type="checkbox"/> Shelter <input type="checkbox"/> Clothing <input type="checkbox"/> Financial assistance <input type="checkbox"/> Other <input type="checkbox"/> DK <input type="checkbox"/> Ref Q36b. If NO, why not? <input type="checkbox"/> No aid needed <input type="checkbox"/> Did not know aid was available <input type="checkbox"/> No transportation to aid location <input type="checkbox"/> Other <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q37. Since HHarvey, has your HH received any services from a designated neighborhood restoration center? <input type="checkbox"/> Yes <input type="checkbox"/> No (Skip to Q38) <input type="checkbox"/> Did not know services were available <input type="checkbox"/> DK <input type="checkbox"/> Ref	
Q37a. If YES, where? <input type="checkbox"/> Sunnyside Multi-Service Center <input type="checkbox"/> West End Multi-Service Center <input type="checkbox"/> Baker Ripley Center or Campus <input type="checkbox"/> Metropolitan Multi-Service Center <input type="checkbox"/> Other: <input type="checkbox"/> DK <input type="checkbox"/> Ref	
Other	
Q38. What is your HH's annual income from all sources (Check ONE): – <input type="checkbox"/> Less than \$10,000 <input type="checkbox"/> Less than \$25,000 <input type="checkbox"/> Less than \$35,000 <input type="checkbox"/> Less than \$50,000 <input type="checkbox"/> Less than \$75,000 <input type="checkbox"/> \$75,000 or more <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q39. What is your household's greatest need at this time? <input type="checkbox"/> DK <input type="checkbox"/> Ref

Appendix C-1: Questionnaire-Spanish – Page 1

Evaluación Comunitaria para la Respuesta de Emergencia de Salud Pública (CASPER) – La Recuperación del Huracán Harvey

HHarvey = Huracán Harvey HH = Hogar DK = No Se Ref = Se negó contestar N/A = no aplicable

Fecha: __/__/__ Número de clúster: _____ Número de la entrevista: ____ Nombre de Equipo: _____

INFORMACIÓN DEMOGRÁFICA	
Q1. Tipo de vivienda: <input type="checkbox"/> Casa <input type="checkbox"/> Departamento <input type="checkbox"/> Casa Móvil <input type="checkbox"/> Otro _____	Q5. ¿Usted o algún miembro de su HH se identifica como hispano o Latino? <input type="checkbox"/> Sí <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q2. Incluyendo usted, ¿Cuántas personas viven en su HH? _____	Q6. ¿Cuál es el idioma principal que se habla en su HH? <input type="checkbox"/> Inglés <input type="checkbox"/> Español <input type="checkbox"/> Otros _____ <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q3. Incluyendo usted, ¿Hay personas en su HH están entre las edades de: ¿Menores de 2 años? <input type="checkbox"/> Yes <input type="checkbox"/> No ¿2 a 17 años? <input type="checkbox"/> Yes <input type="checkbox"/> No ¿18 a 64 años? <input type="checkbox"/> Yes <input type="checkbox"/> No ¿Más de 65 años? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q7. ¿Su HH cuenta con seguro médico? ¿Cuál? (Marque lo aplicable): <input type="checkbox"/> Sin seguro <input type="checkbox"/> Privado <input type="checkbox"/> Harris Health (tarjeta dorada) <input type="checkbox"/> Medicare <input type="checkbox"/> Medicaid <input type="checkbox"/> Seguro Militar <input type="checkbox"/> Por mi cuenta <input type="checkbox"/> CHIP <input type="checkbox"/> Otra cobertura _____ <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q4. Incluyendo usted, ¿Viven mujeres en su HH entre las edades de 15 a 44 años? <input type="checkbox"/> Sí <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	
COMUNICACIONES	
Q8. ¿Cuál es su recurso principal en su HH para obtener información sobre desastres y / o eventos de emergencia? (Marque uno): <input type="checkbox"/> Periódico <input type="checkbox"/> Televisión <input type="checkbox"/> Radio <input type="checkbox"/> Internet/noticias en Internet <input type="checkbox"/> Amigos/Familia/de persona <input type="checkbox"/> Redes sociales <input type="checkbox"/> Volantes/Poster <input type="checkbox"/> Mensaje de texto/alerta de celular <input type="checkbox"/> Otros <input type="checkbox"/> Iglesia/Centro religioso <input type="checkbox"/> Ninguno <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q10. ¿Usted o alguien de su familia estaban enterados sobre esta encuesta ANTES de nuestra visita de hoy? <input type="checkbox"/> Sí (Vaya a Q10a) <input type="checkbox"/> No (Vaya a Q11) <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q9. ¿Recibió su HH alguna advertencia sobre HHarvey? <input type="checkbox"/> Sí <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q10a. Si Sí, ¿Cómo se enteraron? <input type="checkbox"/> Redes sociales <input type="checkbox"/> Sitio web <input type="checkbox"/> Correo electrónico <input type="checkbox"/> Familiar(es)/amistad(es)/vecino(s) <input type="checkbox"/> Radio <input type="checkbox"/> Volante <input type="checkbox"/> Mensaje de texto/alerta de celular <input type="checkbox"/> Otros _____ <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q11. ¿Alguien en su HH tiene alguna de las siguientes barreras para una comunicación efectiva durante una emergencia? (LEER & Marque lo aplicable): <input type="checkbox"/> Problemas de audición? <input type="checkbox"/> Problemas de visión? <input type="checkbox"/> Discapacidad del desarrollo o cognitivo? <input type="checkbox"/> Dificultad para entender la información escrita? <input type="checkbox"/> Dificultad para entender inglés? <input type="checkbox"/> Ninguno <input type="checkbox"/> DK <input type="checkbox"/> Ref	
PREPARACIÓN	
Q12. Antes de HHarvey, ¿Qué tan preparado estaba su HH para enfrentar el huracán? (LEER) <input type="checkbox"/> Bien preparado <input type="checkbox"/> Algo preparado <input type="checkbox"/> No preparado <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q15. Si les pidieran que evacuen su HH: (LEER & Marque uno): <input type="checkbox"/> Evacuarían (Vaya a Q15a) <input type="checkbox"/> No evacuarían (Vaya a Q15b) <input type="checkbox"/> Hará la decisión de evacuar, o no, dependiendo de la situación específica (Vaya a Q16) <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q13. Antes de HHarvey, ¿su HH tenía un plan de emergencia como el siguiente? (LEER & Marque una para cada pregunta) 1. ¿Un plan de comunicación de emergencia, como una lista de números y un contacto designado fuera de la ciudad? <input type="checkbox"/> Sí <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref 2. ¿Un lugar de encuentro cerca de su casa o cerca de su vecindario? <input type="checkbox"/> Sí <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref <input type="checkbox"/> N/A 3. ¿Un lugar de encuentro fuera de su vecindario en caso de que no pueda regresar a su hogar? <input type="checkbox"/> Sí <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref <input type="checkbox"/> N/A 4. ¿Copias de documentos importantes en un lugar seguro? (por ejemplo, recipiente impermeable) <input type="checkbox"/> Sí <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref 5. ¿Diferentes rutas planeadas para tomar en caso de una evacuación necesaria? <input type="checkbox"/> Sí <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q15a. Si deciden evacuar, ¿Dónde se quedarían todos hasta que pudieran regresar al HH? (Marque lo aplicable y Vaya a Q16): <input type="checkbox"/> Nos quedaríamos con familiares o amistades DENTRO del condado. <input type="checkbox"/> Nos quedaríamos con familiares o amistades FUERA del condado. <input type="checkbox"/> Ir a un albergue público de desastres. <input type="checkbox"/> Dormir en el auto o afuera <input type="checkbox"/> Alojarse en un hotel o Motel <input type="checkbox"/> En una segunda casa. <input type="checkbox"/> Otro (especifique): _____ <input type="checkbox"/> DK <input type="checkbox"/> Ref Q15b. Si su HH decidió no evacuar, ¿por qué razón? (Marque lo aplicable): <input type="checkbox"/> Preocupación por las mascotas <input type="checkbox"/> Falta de transporte <input type="checkbox"/> Inconveniente o Caro <input type="checkbox"/> Falta de confianza en los funcionarios públicos <input type="checkbox"/> Preocupación por dejar la propiedad <input type="checkbox"/> Preocupación por la seguridad personal o familiar <input type="checkbox"/> Preocupación por el tráfico o la incapacidad de salir de la ciudad <input type="checkbox"/> El trabajo requiere que alguien en su HH se quede y ayude. <input type="checkbox"/> Problemas de salud o necesidades funcionales <input type="checkbox"/> Otro: _____ <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q14. ANTES de HHarvey, ¿tenía los medios (recursos) financieros para prepararse? (para crear un plan de emergencia, tener agua y comida suficiente para 3 días)? <input type="checkbox"/> Sí <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q16. AHORA, ¿qué tan preparado se siente su HH para enfrentar otro desastre? (LEER) <input type="checkbox"/> Bien preparado <input type="checkbox"/> Algo preparado <input type="checkbox"/> No preparado <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q17. ¿Tiene su HH un kit de suministro de emergencia con agua, alimentos, lámparas y baterías adicionales en un lugar designado en su casa? <input type="checkbox"/> Sí <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	
EXPERIENCIA DURANTE EL HURACÁN	
Q18. ¿Cómo describiría el daño a su HH de HHarvey? (LEER & Marque uno): <input type="checkbox"/> No hay daño (Vaya a Q22) <input type="checkbox"/> Minimal Daño <input type="checkbox"/> Dañada, pero reparable <input type="checkbox"/> Destruído <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q21. Desde HHarvey, ¿visito/olvido moho en su HH? (algún olor de humedad) <input type="checkbox"/> Sí (Vaya a Q21a) <input type="checkbox"/> No (Vaya a Q22) <input type="checkbox"/> DK <input type="checkbox"/> Ref
Q19. ¿Usted o algún miembro de su HH tuvieron que trasladarse permanentemente debido a HHarvey? <input type="checkbox"/> Sí <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/> Ref	Q21a. Si Sí, ¿qué acciones ha tomado su HH para eliminar el moho? (LEER & Marque lo aplicable):

Appendix C-1: Questionnaire-Spanish – Page 2

<p>Q20. ¿Cuáles, si los hubo, fueron las barreras para su reparación en el HH? <i>(Marque lo aplicable):</i> <input type="checkbox"/> Tiempo <input type="checkbox"/> Encontrar materiales</p> <p><input type="checkbox"/> No Seguro <input type="checkbox"/> Disponibilidad contratistas/mano de obra calificada</p> <p><input type="checkbox"/> Trabajar en papaleo <input type="checkbox"/> Dinero/costo <input type="checkbox"/> Esperando en reclamo de seguro <input type="checkbox"/> Esperando un préstamo <input type="checkbox"/> La espera de fondos de FEMA</p> <p><input type="checkbox"/> Ninguno-no hay barreras <input type="checkbox"/> Ninguno-no se necesitan reparaciones <input type="checkbox"/> Otros <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>	<p><input type="checkbox"/> Se eliminan las alfombras/tapicería <input type="checkbox"/> Limpiar pisos/paredes</p> <p><input type="checkbox"/> Aparatos retirados <input type="checkbox"/> Tiró ropa/juguetes</p> <p><input type="checkbox"/> Otro: _____ <input type="checkbox"/> Nada <input type="checkbox"/> OK <input type="checkbox"/> Ref</p> <p>Q21b. Si Sí, ¿usted o los miembros de su HH utilizan alguno de los siguientes elementos durante la limpieza? <i>(LEER & Marque lo aplicable):</i> <input type="checkbox"/> Guantes <input type="checkbox"/> Máscaras <input type="checkbox"/> Blanqueador</p> <p><input type="checkbox"/> Otros <input type="checkbox"/> Nada <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>
<p>Q22. ¿Esta la condición de su hogar como estaba ANTES del huracán? <i>(LEER)</i></p> <p><input type="checkbox"/> Completamente reparado <input type="checkbox"/> Algo reparado <input type="checkbox"/> No reparado en todo <input type="checkbox"/> No fue dañado <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>	
<p>Salud física y salud del comportamiento</p>	
<p>P23. ¿Cuál es la salud general de usted y de los miembros de su Casa?</p> <p><input type="checkbox"/> Excelente <input type="checkbox"/> Muy bien <input type="checkbox"/> Bien <input type="checkbox"/> Justa <input type="checkbox"/> Pobre <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>	<p>Q29. ¿Sienten usted o Cualquier miembro de su Casa dificultad para caminar o subir escalones? <input type="checkbox"/> Sí <input type="checkbox"/> No <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>
<p>Q24. Desde HHarvey, ¿ha sido más difícil para cualquiera en su Casa obtener atención médica? <input type="checkbox"/> Sí <input type="checkbox"/> No <i>(Vaya a Q25)</i></p> <p><input type="checkbox"/> N/A <i>(Vaya a Q25)</i> <input type="checkbox"/> OK <input type="checkbox"/> Ref</p> <p>Q24a. Si marco Sí, por qué? <i>(Marque lo aplicable):</i> <input type="checkbox"/> Clínica/médico habitual cerrado <input type="checkbox"/> Los servicios de salud domicilio interrumpieron</p> <p><input type="checkbox"/> Dinero/costo <input type="checkbox"/> Problemas de seguro <input type="checkbox"/> No hay transporte <input type="checkbox"/> Otros: _____ <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>	<p>Q30. Desde Harvey, ¿usted o Cualquier los miembros de su Casa han tenido <i>(LEER & Marque lo aplicable):</i> <input type="checkbox"/> Pérdida de apetito</p> <p><input type="checkbox"/> Conducta agitada <input type="checkbox"/> Testigo de conductas/amenazas violentas</p> <p><input type="checkbox"/> Aumento del consumo de drogas <input type="checkbox"/> Aumento del consumo de alcohol <input type="checkbox"/> Otros: _____ <input type="checkbox"/> Ninguno <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>
<p>Q25. Desde HHarvey, ¿ha sido más difícil para obtener recetas médicas para cualquiera en su Casa?</p> <p><input type="checkbox"/> Sí <input type="checkbox"/> No <i>(Vaya a Q26)</i> <input type="checkbox"/> N/A <i>(Vaya a Q26)</i> <input type="checkbox"/> OK <input type="checkbox"/> Ref</p> <p>Q25a. Si marco Sí, porque? <i>(Marque lo aplicable):</i></p> <p><input type="checkbox"/> No hay acceso al médico/atención médica <input type="checkbox"/> Farmacia habitual cerrada <input type="checkbox"/> Dinero/costo <input type="checkbox"/> Problemas de seguro <input type="checkbox"/> No hay refrigeración para medicamentos <input type="checkbox"/> No hay suministros (es decir, jeringas, alcohol) <input type="checkbox"/> No hay transporte <input type="checkbox"/> Otro: _____ <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>	<p>Q31. ¿Desde HHarvey todos en su HH se siente seguro vivir en su casa? <input type="checkbox"/> Sí <input type="checkbox"/> No, Por qué no? _____ <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>
<p>Q26. ¿Desde HHarvey, cualquier persona en su Casa experimentó un aumento en la dificultad de usar o mantener su equipo médico O Suministros fuera de la atención normal debido al huracán?</p> <p><input type="checkbox"/> Sí- usando <input type="checkbox"/> Sí- manteniendo <input type="checkbox"/> No <input type="checkbox"/> N/A - no utiliza ningún equipamiento médico o suministros <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>	<p>Q32. ¿Con qué frecuencia desde Harvey diría que en su HH estaban preocupados o estresados por tener suficiente dinero para:</p> <p>Q32a. ¿Pagar su renta/pago de casa? <i>(LEER)</i> <input type="checkbox"/> Siempre</p> <p><input type="checkbox"/> Generalmente <input type="checkbox"/> Algunas veces <input type="checkbox"/> Raramente <input type="checkbox"/> Nunca <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>
<p>Q27. ¿Se lastimó usted o alguien en su casa durante las actividades de limpieza después de HHarvey? <i>(Marque lo aplicable):</i></p> <p><input type="checkbox"/> Sí-huracán <input type="checkbox"/> Sí- Limpieza <input type="checkbox"/> No <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>	<p>Q32b. ¿Comprar comidas nutritivas? <i>(LEER)</i> <input type="checkbox"/> Siempre</p> <p><input type="checkbox"/> Generalmente <input type="checkbox"/> Algunas veces <input type="checkbox"/> Raramente <input type="checkbox"/> Nunca <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>
<p>Q28. Desde HHarvey, ¿Tiene usted o algún miembro de su Casa un empeoramiento de <i>(LEER & Marque lo aplicable):</i> <input type="checkbox"/> Asma</p> <p><input type="checkbox"/> Enfermedad pulmonar <input type="checkbox"/> Alergias <input type="checkbox"/> Diabetes <input type="checkbox"/> Hipertensión</p> <p><input type="checkbox"/> Enfermedad cardíaca</p> <p><input type="checkbox"/> Estado de salud mental anterior <input type="checkbox"/> Otros: _____ <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>	<p>Q33. Desde HHarvey, alguien en la Casa experimentó cambios en el comportamiento o sentimientos de <i>(Marque lo aplicable):</i></p> <p><input type="checkbox"/> Depresión <input type="checkbox"/> Ansiedad <input type="checkbox"/> Falta de esperanza</p> <p><input type="checkbox"/> Pérdida de sueño o pesadillas <input type="checkbox"/> Dificultad en Concentrarse <input type="checkbox"/> Ninguno <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>
<p>Servicios</p>	
<p>Q35. Desde HHarvey, ¿ha recibido su Casa alguno de los siguientes servicios del Departamento de salud de Houston? <i>(LEER & Marque lo aplicable):</i> <input type="checkbox"/> La prevención de mosquitos <input type="checkbox"/> Vacunas <input type="checkbox"/> Wic</p> <p><input type="checkbox"/> La educación sanitaria <input type="checkbox"/> Molestias vecinales <input type="checkbox"/> Servicios de laboratorio <input type="checkbox"/> Tuberculosis <input type="checkbox"/> Harris County Area Agency <input type="checkbox"/> Certificado de Nacimiento o Defunción</p> <p><input type="checkbox"/> No recibió ningún servicio <input type="checkbox"/> Otros (especificar): _____ <input type="checkbox"/> OK <input type="checkbox"/> Ref</p> <p><input type="checkbox"/> No sabía que los servicios eran Disponible <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>	<p>Q36. ¿Usted o cualquier miembro de su Casa recibió cualquier tipo de ayuda como parte del esfuerzo de socorro?</p> <p><input type="checkbox"/> Sí <i>(Vaya a Q36a)</i> <input type="checkbox"/> No <i>(Vaya a Q36b)</i> <input type="checkbox"/> OK <input type="checkbox"/> Ref</p> <p>Q36a. Si marco Sí, ¿qué tipo de ayuda? <i>(Marque lo aplicable):</i></p> <p><input type="checkbox"/> Comida <input type="checkbox"/> Agua <input type="checkbox"/> Refugio <input type="checkbox"/> Ropa <input type="checkbox"/> Asistencia financiera</p> <p><input type="checkbox"/> Otros: _____ <input type="checkbox"/> OK <input type="checkbox"/> Ref</p> <p>Q36b. Si No, ¿Por qué no? <input type="checkbox"/> No se necesita ayuda</p> <p><input type="checkbox"/> ¿No sabía ayuda estaba disponible <input type="checkbox"/> No hay transporte para ayudar a Ubicación <input type="checkbox"/> Otros: _____ <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>
<p>Q37. Desde HHarvey, ¿ha recibido su HH algún servicio de un centro de restauración de barrio designado?</p> <p><input type="checkbox"/> Sí <input type="checkbox"/> No <i>(Vaya a Q38)</i> <input type="checkbox"/> No sabía que los servicios eran Disponible <input type="checkbox"/> OK <input type="checkbox"/> Ref</p> <p>Q37a. Si Sí, ¿Dónde? <input type="checkbox"/> El centro multiservicio de Sunnyside <input type="checkbox"/> El centro multiservicio de West End <input type="checkbox"/> Baker Ripley Center o campus</p> <p><input type="checkbox"/> El centro multiservicio de Metropolitan <input type="checkbox"/> Otro: _____ <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>	
<p>Otro</p>	
<p>Q38. ¿Cuántos son los ingresos anuales de su HH de todas las fuentes? <i>(Marque uno):</i> <input type="checkbox"/> Menos de \$10,000 <input type="checkbox"/> Menos de \$25,000</p> <p><input type="checkbox"/> Menos de \$35,000 <input type="checkbox"/> Menos de \$50,000 <input type="checkbox"/> Menos de \$75,000</p> <p><input type="checkbox"/> \$75,000 o más <input type="checkbox"/> OK <input type="checkbox"/> Ref</p>	<p>Q39. ¿Cuál es la mayor necesidad de su HH en este momento?</p> <p><input type="checkbox"/> OK <input type="checkbox"/> Ref</p>

Appendix C-2: Questionnaire-Vietnamese – Page 1

<p>Đánh Giá Cộng Đồng trong việc Ứng Phó Khẩn Cấp liên quan đến Y Tế Công Cộng (CASPER) – Phục Hồi Sau Bão Harvey</p> <p>BHarvey=Bão Harvey GD=Gia Đình KB=Không Biết TC=Tử Chối N/A=Không Áp Dụng</p> <p>Ngày: ____/____/____ Số Cụm: ____ Số Phòng Ván: ____ Tên Nhóm: ____</p>	
<p>C1. Thể loại nhà: <input type="checkbox"/> Nhà biệt lập <input type="checkbox"/> Nhà liền vách</p> <p><input type="checkbox"/> Nhà lưu động (mobile) <input type="checkbox"/> Loại khác _____</p>	<p>C5. Bạn hoặc có ai trong GD bạn thuộc gốc Tây Ban Nha hoặc La Tinh không? <input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC</p>
<p>C2. Tính luôn cả bạn, có bao nhiêu người sống trong nhà của bạn? _____</p>	<p>C6. Ngôn ngữ nào được dùng trong GD bạn là chính?</p> <p><input type="checkbox"/> Tiếng Anh <input type="checkbox"/> Tây Ban Nha <input type="checkbox"/> Khác _____ <input type="checkbox"/> KB <input type="checkbox"/> TC</p>
<p>C3. Tính luôn cả bạn, có ai sống trong nhà của bạn:</p> <p>Dưới 2 tuổi? <input type="checkbox"/> Có <input type="checkbox"/> Không Từ 2-17 tuổi? <input type="checkbox"/> Có <input type="checkbox"/> Không</p> <p>Từ 18-64 tuổi? <input type="checkbox"/> Có <input type="checkbox"/> Không 65 tuổi trở lên? <input type="checkbox"/> Có <input type="checkbox"/> Không</p> <p><input type="checkbox"/> KB <input type="checkbox"/> TC</p>	<p>C7. GD bạn có loại bảo hiểm y tế nào là chính? (Chọn HẾT):</p> <p><input type="checkbox"/> Không có bảo hiểm <input type="checkbox"/> Bảo hiểm của công ty tư nhân</p> <p><input type="checkbox"/> FAP quận Harris (Chương Trình Hỗ Trợ Tài Chính, hay Thẻ Vàng)</p> <p><input type="checkbox"/> Medicare <input type="checkbox"/> Medicaid <input type="checkbox"/> Bảo Hiểm Quân Sự <input type="checkbox"/> Tự trả tiền túi</p> <p><input type="checkbox"/> Chương Trình Bảo Hiểm Sức Khỏe Nhi Đồng Tiểu Bang (S-CHIP)</p> <p><input type="checkbox"/> Bảo Hiểm Xã Hội Khác _____ <input type="checkbox"/> KB <input type="checkbox"/> TC</p>
<p>C4. Tính luôn cả bạn, có người nữ nào tuổi từ 15-44 sống trong nhà của bạn không? <input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC</p>	
<p>Thông Tin Liên Lạc</p>	
<p>C8. GD bạn lấy thông tin về thảm họa hoặc trường hợp khẩn cấp từ nguồn nào là chính? (Chọn Một):</p> <p><input type="checkbox"/> Báo chí <input type="checkbox"/> Tivi <input type="checkbox"/> Radio <input type="checkbox"/> Tin tức từ internet <input type="checkbox"/> Bạn bè, gia đình, truyền miệng nhau <input type="checkbox"/> Truyền thông xã hội <input type="checkbox"/> Từ rơi / bích chương</p> <p><input type="checkbox"/> Tin nhắn / Tin báo động từ điện thoại <input type="checkbox"/> Khác _____</p> <p><input type="checkbox"/> Nhà thờ / nơi thờ phượng <input type="checkbox"/> Không có <input type="checkbox"/> KB <input type="checkbox"/> TC</p>	<p>C10. Bạn hoặc GD bạn có ai biết về bản khảo sát này trước khi chúng tôi nói chuyện với bạn hôm nay? <input type="checkbox"/> Có <input type="checkbox"/> Không (Sang C11) <input type="checkbox"/> KB <input type="checkbox"/> TC</p> <p>Q10a. Nếu CÓ, bạn hay GD bạn nghe được từ đâu?</p> <p><input type="checkbox"/> Truyền thông xã hội <input type="checkbox"/> Trang web <input type="checkbox"/> Email <input type="checkbox"/> Bạn Bè / Hàng xóm</p> <p><input type="checkbox"/> Radio <input type="checkbox"/> Từ rơi <input type="checkbox"/> Tin nhắn / Tin cảnh báo từ điện thoại</p> <p><input type="checkbox"/> Khác _____ <input type="checkbox"/> KB <input type="checkbox"/> TC</p>
<p>C9. GD bạn có nhận được cảnh báo về BHarvey?</p> <p><input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC</p>	
<p>C11. GD bạn có ai có bất kỳ điều gì sau đây làm cản trở sự liên lạc hữu hiệu trong trường hợp khẩn cấp hay không? (ĐỌC & Chọn HẾT):</p> <p><input type="checkbox"/> Thính giác suy giảm <input type="checkbox"/> Thị lực suy giảm <input type="checkbox"/> Chậm phát triển thể chất / trí tuệ</p> <p><input type="checkbox"/> Khó khăn trong việc đọc và hiểu <input type="checkbox"/> Không hiểu nhiều tiếng Anh <input type="checkbox"/> Không có điều nào cả <input type="checkbox"/> KB <input type="checkbox"/> TC</p>	
<p>Chuẩn Bị</p>	
<p>C12. TRƯỚC BHarvey, bạn nghĩ gia đình bạn đã chuẩn bị ra sao để ứng phó với bão lụt? (ĐỌC) <input type="checkbox"/> Chuẩn bị đầu đủ</p> <p><input type="checkbox"/> Chuẩn bị chút đỉnh <input type="checkbox"/> Không chuẩn bị gì cả <input type="checkbox"/> KB <input type="checkbox"/> TC</p>	<p>C15. Nếu gia đình bạn nhận được lệnh di tản, gia đình bạn có (ĐỌC & Chọn Một): <input type="checkbox"/> Di tản (Sang C15a) <input type="checkbox"/> Sẽ không di tản (Sang C15b) <input type="checkbox"/> Quyết định có di tản hay không tùy theo tình hình thế nào (Sang C16) <input type="checkbox"/> KB <input type="checkbox"/> TC</p> <p>C15a. Nếu GD bạn chọn di tản, GD bạn sẽ tạm trú nơi đâu cho đến khi gia đình bạn có thể trở về nhà được? (Chọn HẾT & Sang C16): <input type="checkbox"/> Ở với gia đình hoặc bạn bè TRONG cùng quận <input type="checkbox"/> Ở với gia đình và bạn bè ở một quận KHÁC <input type="checkbox"/> Đến nơi tạm trú công cộng dành cho thảm họa <input type="checkbox"/> Ngủ trong xe hoặc ngoài trời <input type="checkbox"/> Ở tạm khách sạn hoặc nhà nghỉ <input type="checkbox"/> Ở nhà thứ hai</p> <p><input type="checkbox"/> Nơi khác (ghi rõ): _____ <input type="checkbox"/> KB <input type="checkbox"/> TC</p> <p>C15b. Nếu gia đình bạn KHÔNG di tản, tại sao? (Đánh dấu HẾT):</p> <p><input type="checkbox"/> Lo cho thú cưng <input type="checkbox"/> Thiếu phương tiện di chuyển <input type="checkbox"/> Không tiện hoặc quá tốn kém <input type="checkbox"/> Thiếu niềm tin ở các công chức viên <input type="checkbox"/> Lo không muốn bỏ lại tài sản <input type="checkbox"/> Lo cho sự an toàn của cá nhân và gia đình <input type="checkbox"/> Lo ngại về vấn đề giao thông hoặc không thể ra khỏi thành phố <input type="checkbox"/> Công việc đòi hỏi GD phải ở lại giúp đỡ <input type="checkbox"/> Có vấn đề sức khỏe hoặc cần những nhu cầu cần bản</p> <p><input type="checkbox"/> Khác: _____ <input type="checkbox"/> KB <input type="checkbox"/> TC</p>
<p>C13. TRƯỚC BHarvey, gia đình bạn có bất kỳ kế hoạch cần cấp nào sau đây không? (ĐỌC từng câu MỘT và đánh dấu)</p> <p>Kế hoạch liên lạc khẩn cấp như bản liệt kê số điện thoại hoặc số để liên lạc khi đi xa <input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC</p> <p>Ấn định một nơi họp mặt ngay ngoài đường hay lân cận trong khu xóm <input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC</p> <p>Ấn định một nơi ngoài phạm vi khu phố của bạn nhờ khi bạn không thể về nhà <input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC</p> <p>Đựng các giấy tờ quan trọng ở nơi an toàn (như thùng chống nước) <input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC</p> <p>Vạch ra các tuyến đường đi xa nhờ có trường hợp cần di tản <input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC</p>	
<p>C14. TRƯỚC BHarvey, gia đình bạn có khả năng tài chính để chuẩn bị cho BHarvey không? (như lập kế hoạch khẩn cấp, bộ dụng cụ khẩn cấp, thức ăn và nước uống dùng trong 3 ngày, v.v.) <input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC</p>	<p>C16. Bạn cảm thấy hiện tại gia đình bạn sẵn sàng như thế nào để ứng phó với lần thảm họa kế tiếp? (ĐỌC) <input type="checkbox"/> Mọi thứ sẵn sàng <input type="checkbox"/> Chuẩn bị chút đỉnh <input type="checkbox"/> Chưa chuẩn bị gì cả <input type="checkbox"/> KB <input type="checkbox"/> TC</p>
<p>C17. Gia đình bạn có Bộ Dụng Cụ Khẩn Cấp với những vật tiếp tế như nước, thức ăn, đèn pin, pin dự phòng được cất giữ tại một nơi cố định trong nhà bạn không? <input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC</p>	
<p>Kinh Nghiệm Qua Trận Bão</p>	
<p>C18. Nhà của bạn bị thiệt hại như thế nào trong trận bão Harvey? (ĐỌC & Chọn Một): <input type="checkbox"/> Không Bị Thiệt Hại (Sang C22) <input type="checkbox"/> Bị hư nhẹ</p> <p><input type="checkbox"/> Hư nặng, nhưng sửa được <input type="checkbox"/> Bị Phá Hủy <input type="checkbox"/> KB <input type="checkbox"/> TC</p>	<p>C21. Từ lúc BHarvey, gia đình bạn có thấy hoặc ngửi được mùi mốc hoặc mùi ẩm trong nhà hay không?</p> <p><input type="checkbox"/> Có (Sang C21a) <input type="checkbox"/> Không (Sang C22) <input type="checkbox"/> KB <input type="checkbox"/> TC</p> <p>C21a. Nếu CÓ, gia đình bạn đã làm gì để khử mốc?</p> <p><input type="checkbox"/> Vứt bỏ thảm/lớp bọc <input type="checkbox"/> Lau chùi sàn/tường</p> <p><input type="checkbox"/> Vứt bỏ thiết bị <input type="checkbox"/> Vứt bỏ quần áo / đồ chơi</p> <p><input type="checkbox"/> Thứ khác _____ <input type="checkbox"/> Không làm gì cả <input type="checkbox"/> KB <input type="checkbox"/> TC</p> <p>C21b. Nếu CÓ, bạn hoặc có ai trong gia đình bạn sử dụng bất kỳ thứ nào sau đây vào việc lau chùi? (ĐỌC & Chọn HẾT):</p> <p><input type="checkbox"/> Găng tay <input type="checkbox"/> Mặt nạ <input type="checkbox"/> Thuốc tẩy <input type="checkbox"/> Thứ khác _____</p> <p><input type="checkbox"/> Không có gì <input type="checkbox"/> KB <input type="checkbox"/> TC</p>
<p>C19. Bạn hoặc có ai trong gia đình bạn phải đối phó ở vĩnh viễn do BHarvey không? <input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC</p>	
<p>C20. Việc sửa chữa nhà cửa của bạn đã gặp phải những trở ngại nào, nếu có? (Chọn HẾT): <input type="checkbox"/> Thời giờ <input type="checkbox"/> Thiếu vật liệu và dụng cụ <input type="checkbox"/> Không có bảo hiểm <input type="checkbox"/> Thiếu thợ hoặc thầu khoán lành nghề <input type="checkbox"/> Việc làm giấy tờ</p> <p><input type="checkbox"/> Tiền/Giá cả <input type="checkbox"/> Đợi bảo hiểm bồi thường <input type="checkbox"/> Đợi mượn tiền <input type="checkbox"/> Đợi tiền trợ cấp FEMA <input type="checkbox"/> Không có trở ngại <input type="checkbox"/> Không, nhà không cần sửa</p> <p><input type="checkbox"/> Khác _____ <input type="checkbox"/> KB <input type="checkbox"/> TC</p>	

Appendix C-2: Questionnaire-Vietnamese – Page 2

Đánh Giá Cộng Đồng trong việc Ứng Phó Khẩn Cấp liên quan đến Y Tế Công Cộng (CASPER) – Phục Hồi Sau Bão Harvey BHarvey=Bão Harvey GD=Gia Đình KB=Không Biết TC=Từ Chối N/A=Không Áp Dụng Ngày: ____/____/____ Số Cụm: ____ Số Phỏng Vấn: ____ Tên Nhóm: ____	
C22. Tình trạng nhà cửa của bạn ra sao so với TRƯỚC bão? (ĐỌC) <input type="checkbox"/> Đã sửa lại hết rồi <input type="checkbox"/> Sửa được chút đỉnh <input type="checkbox"/> Chưa sửa được gì <input type="checkbox"/> Không bị hư hại <input type="checkbox"/> KB <input type="checkbox"/> TC	
Sức Khỏe Thể Chất và Hành Vi	
C23. Sức khỏe của bạn và GD bạn nhìn chung như thế nào? <input type="checkbox"/> Tuyệt vời <input type="checkbox"/> Rất tốt <input type="checkbox"/> Tốt <input type="checkbox"/> Tạm <input type="checkbox"/> Tệ <input type="checkbox"/> KB <input type="checkbox"/> TC	C29. Bạn hoặc có người nào trong gia đình bạn có khó khăn trong việc đi đứng hoặc lên cầu thang? <input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC
C24. Từ khi BHarvey, có ai trong GD bạn gặp khó khăn tiếp cận dịch vụ chăm sóc y tế mà họ cần đến? <input type="checkbox"/> Có <input type="checkbox"/> Không <i>(Sang C25)</i> <input type="checkbox"/> N/A <i>(Sang C25)</i> <input type="checkbox"/> KB <input type="checkbox"/> TC	C30. Từ khi BHarvey, bạn hoặc có ai trong gia đình bạn bị (ĐỌC & Chọn HẾT) <input type="checkbox"/> Ăn mất ngon <input type="checkbox"/> Hành vi kích động <input type="checkbox"/> Chứng kiến những hành vi bạo lực / hăm dọa <input type="checkbox"/> Sử dụng nhiều chất kích thích nhiều hơn <input type="checkbox"/> Uống bia rượu nhiều hơn <input type="checkbox"/> Khác _____ <input type="checkbox"/> Không có <input type="checkbox"/> KB <input type="checkbox"/> TC
C24a. Nếu CÓ, Tại sao? (Chọn HẾT) <input type="checkbox"/> Phòng mạch/khám đóng cửa <input type="checkbox"/> Dịch vụ y tế tại gia bị gián đoạn <input type="checkbox"/> Tiền / chi phí <input type="checkbox"/> Vấn đề bảo hiểm <input type="checkbox"/> Không có phương tiện di chuyển <input type="checkbox"/> Lý do khác: _____ <input type="checkbox"/> KB <input type="checkbox"/> TC	C31. Từ khi BHarvey, gia đình bạn có cảm thấy nhà của mình an toàn để ở? <input type="checkbox"/> Có <input type="checkbox"/> Không; Tại sao không? _____ <input type="checkbox"/> KB <input type="checkbox"/> TC
C25. Từ khi BHarvey, có ai trong GD bạn gặp khó khăn trong việc mua thuốc theo toa mà họ cần đến? <input type="checkbox"/> Có <input type="checkbox"/> Không <i>(Sang C26)</i> <input type="checkbox"/> N/A <i>(Sang C26)</i> <input type="checkbox"/> KB <input type="checkbox"/> TC	C32. Từ BHarvey, trong bao lâu thì gia đình bạn lại phải lo lắng hoặc bị căng thẳng về vấn đề tiền bạc để: C32a. Trả tiền nợ nhà / thuê nhà? (ĐỌC) <input type="checkbox"/> Luôn <input type="checkbox"/> Thường <input type="checkbox"/> Đôi khi <input type="checkbox"/> Hiếm khi <input type="checkbox"/> Không bao giờ <input type="checkbox"/> KB <input type="checkbox"/> TC C32b. Mua thức ăn bổ dưỡng? (ĐỌC) <input type="checkbox"/> Luôn <input type="checkbox"/> Thường <input type="checkbox"/> Đôi khi <input type="checkbox"/> Hiếm khi <input type="checkbox"/> Không bao giờ <input type="checkbox"/> KB <input type="checkbox"/> TC
C26. Từ khi BHarvey, có ai trong GD bạn gặp phải khó khăn trong vấn đề sử dụng hay bảo trì thiết bị hay vật liệu y tế của họ vượt mức bình thường do bão gây ra không? <input type="checkbox"/> Có – Sử dụng <input type="checkbox"/> Có – Bảo trì <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC <input type="checkbox"/> N/A – không có thiết bị hay vật liệu y tế	C33. Từ khi BHarvey, có ai trong gia đình bạn có những thay đổi trong hành vi hoặc tâm trạng (ĐỌC & Chọn HẾT): <input type="checkbox"/> Trầm cảm <input type="checkbox"/> Lo âu <input type="checkbox"/> Vô vọng <input type="checkbox"/> Khó ngủ / ác mộng <input type="checkbox"/> Khó tập trung <input type="checkbox"/> Không có <input type="checkbox"/> KB <input type="checkbox"/> TC
C27. Bạn hoặc có ai trong gia đình bạn bị thương do BHarvey hay trong lúc dọn dẹp nhà cửa sau bão? (Chọn HẾT) <input type="checkbox"/> Có – Lúc bão <input type="checkbox"/> Có – Lúc dọn dẹp <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC	C34. Từ khi BHarvey, bạn hoặc có ai trong gia đình bạn nhận dịch vụ từ cố vấn, mục sư / giáo sĩ, nhà trị liệu, nhân viên xã hội hoặc đường dây nóng SAMHSA vì những lo ngại về sức khỏe tâm thần và/hoặc hành vi? <input type="checkbox"/> Có <i>(Sang C35)</i> <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC
C28. Từ khi BHarvey, bạn hoặc có người nào trong GD có những bệnh tình nào sau đây trở nên trầm trọng hơn (ĐỌC & Chọn HẾT): <input type="checkbox"/> Hen suyễn <input type="checkbox"/> Bệnh Phổi Tắc Nghẽn Mãn Tính (DOPD) <input type="checkbox"/> Di ứng <input type="checkbox"/> Tiểu Đường <input type="checkbox"/> Cao Huyết Áp <input type="checkbox"/> Bệnh Tim <input type="checkbox"/> Tình trạng sức khỏe tâm thần có sẵn <input type="checkbox"/> Khác _____ <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC	C34a. Nếu KHÔNG, bạn hay có ai trong GD bạn biết cách tiếp cận dịch vụ sức khỏe tâm thần khi cần? (Bản danh sách các nguồn dịch vụ sức khỏe trong túi sách mà bạn đưa cho họ) <input type="checkbox"/> Có <input type="checkbox"/> Không <input type="checkbox"/> KB <input type="checkbox"/> TC
C35. Từ khi BHarvey, gia đình bạn có nhận bất kỳ dịch vụ nào sau đây từ Sở Y Tế Houston không? (ĐỌC & Đánh dấu) <input type="checkbox"/> Phòng chống muỗi <input type="checkbox"/> Tiêm ngừa <input type="checkbox"/> Phụ Nữ, Trẻ Em, và Sơ Sinh (WIC) <input type="checkbox"/> Giáo dục y tế <input type="checkbox"/> Sự phiên toái trong khu phố <input type="checkbox"/> Xét nghiệm <input type="checkbox"/> Lao phổi <input type="checkbox"/> Cơ Quan Người Già Quận Harris <input type="checkbox"/> Giấy tờ hộ tịch <input type="checkbox"/> Không nhận bất kỳ dịch vụ nào <input type="checkbox"/> Dịch vụ khác (cho biết rõ): _____ <input type="checkbox"/> Không biết có những dịch vụ như vậy <input type="checkbox"/> KB <input type="checkbox"/> TC	C36. Bạn hoặc người thân trong gia đình bạn có nhận sự trợ giúp nào từ những công tác cứu trợ không? <input type="checkbox"/> Có <i>(Sang C36a)</i> <input type="checkbox"/> Không <i>(Sang C36b)</i> <input type="checkbox"/> KB <input type="checkbox"/> TC C36a. Nếu CÓ, sự trợ giúp loại nào? (Chọn HẾT) <input type="checkbox"/> Thực phẩm <input type="checkbox"/> Nước <input type="checkbox"/> Nơi tạm trú <input type="checkbox"/> Quần áo <input type="checkbox"/> Tiền cứu trợ <input type="checkbox"/> Loại trợ giúp khác: _____ <input type="checkbox"/> KB <input type="checkbox"/> TC Câu 36b. Nếu KHÔNG, tại sao? <input type="checkbox"/> Không cần giúp đỡ <input type="checkbox"/> Không biết có sự trợ giúp <input type="checkbox"/> Không có phương tiện di chuyển để tới nơi trợ cấp <input type="checkbox"/> Lý do khác: _____ <input type="checkbox"/> KB <input type="checkbox"/> TC
C37. Từ khi BHarvey, GD bạn có nhận bất kỳ dịch vụ gì từ trung tâm phục hồi khu phố không? <input type="checkbox"/> Có <input type="checkbox"/> Không <i>(Sang C38)</i> <input type="checkbox"/> Không biết có những dịch vụ này <input type="checkbox"/> KB <input type="checkbox"/> TC	
C37a. Nếu CÓ, ở đâu? <input type="checkbox"/> Trung Tâm Đa Dịch Vụ Sunnyside <input type="checkbox"/> Trung Tâm Đa Dịch Vụ West End <input type="checkbox"/> Trung tâm Baker Ripley <input type="checkbox"/> Trung Tâm Đa Dịch Vụ Đô Thị <input type="checkbox"/> Nơi khác: _____ <input type="checkbox"/> KB <input type="checkbox"/> TC	
C38. Tổng thu nhập hàng năm của GD bạn là bao nhiêu (Chọn MỘT): – <input type="checkbox"/> Dưới \$10,000 <input type="checkbox"/> Dưới \$25,000 <input type="checkbox"/> Dưới \$35,000 <input type="checkbox"/> Dưới \$50,000 <input type="checkbox"/> Dưới \$75,000 <input type="checkbox"/> \$75,000 hoặc hơn <input type="checkbox"/> KB <input type="checkbox"/> TC	C39. GD bạn có nhu cầu nào cần nhất trong thời gian này? <input type="checkbox"/> KB <input type="checkbox"/> TC

Appendix D: Sample Activation Notice

CASPER#2 Schedule Confirmation DOE, JANE

Assigned Task	Status	Dates	Scheduled Start	Scheduled End
INTERVIEWER OR DRIVER	Assigned	10/22/2019 - 10/23/2019	10:00 AM	7:00 PM

Comments:

Welcome to **CASPER - CASPER#2!**

You have been activated to work CASPER. Here you will find your work schedule and assignment. Please note that your assignment may include off-site or backup duty. On days you are assigned off-site or backup duty, please report to your normal work location, you do not need to report unless you are called in. Below you will find the pertinent details of **CASPER**.

Mission Dates: 10/22/2019 - 10/23/2019

Please print out and to give to Time and Attendance personnel at sign-in when you report to CASPER#1

Location:

THIRD WARD MULTI-SERVICE CENTER
3611 ENNIS STREET HOUSTON, TEXAS 77004

Parking: PHONE: 832.393.4051

Safety: Storage for your personal belongings is not available. Please secure personal belongings in your vehicle before you park at in lot B or C. All activated employees are required to remain on the premises until check out time is approved by the designated Incident Commander. If you must leave the premises prior to check out, for any reason, please confer with your section chief prior to departure.

Sign In/Sign Out: There will be a table set up outside of the auditorium for staff and volunteers to sign in and out.

Name Tags: Please wear your City issued employee badge; volunteers will fill out a name tag at the sign-in table.

Food/Beverages: Lunch will be provided. If you have dietary needs other than vegetarian, please bring your own lunch.

Attire: Please wear your navy HHD polo, jeans or dark colored slacks and comfortable shoes such as sneakers. If you do not have an HHD navy polo, please wear a white t-shirt, instead.

Supervisors: N/A

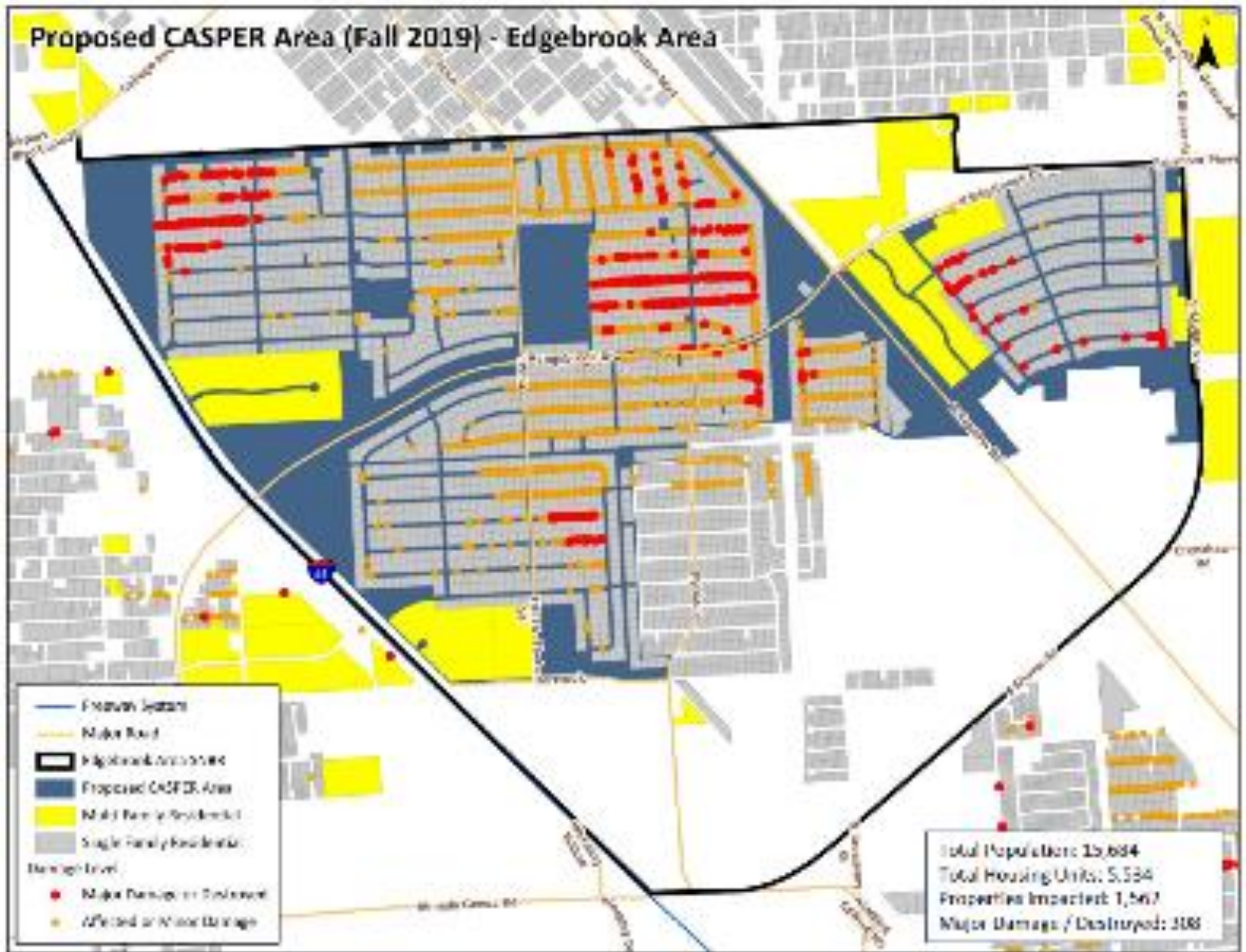
Additional Information Needed: N/A

Kronos Time Tracking:

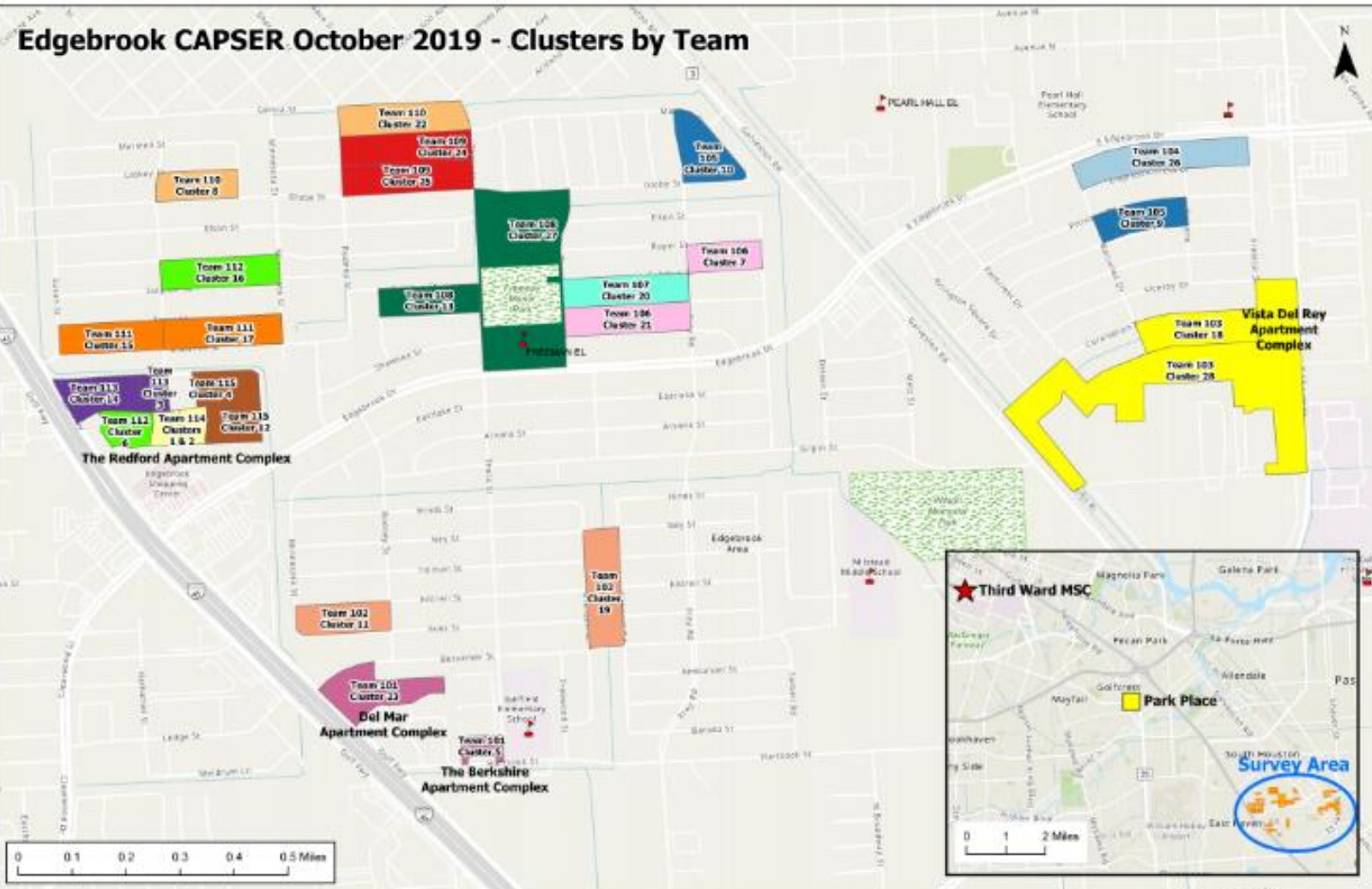
Kronos time tracking: If for any reason you are unable to make your assignment, please contact Dr. Faith Foreman-Hays at _____. Do not reply to this email to make schedule changes. Non-Exempt Employee: If you have received approval from your immediate supervisor to participate; and you are a non-exempt employee, you are entitled to receive overtime at 1.5X your normal hourly wage for the hours that you worked during the event. Exempt Employee Grade 24 and below: If you have received approval from your immediate supervisor to participate; and you are Grade 24 and below; you do not receive overtime and you will receive compensatory (comp) time at hour to hour rate. The comp time taken is approved by your immediate supervisor and must not jeopardize operations. The decision of when you can take Comp time must be coordinated with your immediate supervisor on a one to one basis. Exempt Employee Grade 25-26: If you have received approval from your immediate supervisor to participate; and you are grade 25-26; you do not receive overtime or Compensatory (comp) time. Comp time for this group requires Mayor's approval; however, you may adjust your work schedule if approved by immediate supervisor. Exempt Employee Grade 27 and above If approved to work this event you are not approved for overtime or compensatory (comp) time but you may adjust your work schedule. City temps/Agency temps: If you have received approval from your immediate supervisor to participate; and you are either a City temp or Agency temp; you must complete your temp attendance timesheet or agency timesheet based on the actual hours worked which is based on your sign in and sign out sheets. ODCHEW Finance Section time and attendance will verify your actual hours worked and will retain a copy of your timesheet. KRONOS You will have one week to update KRONOS. Identify in KRONOS actual hours worked, identify as "City business".

This is an automatically generated email – please do not reply to it.

Appendix E: Geographic Map



Appendix F: Cluster Map



Appendix G: Survey Plan



Fall 2019 CASPER Survey Plan


Team of 2 with a driver and a car:

Activity	Date	Time Slot	Cluster A	Cluster B
1 st attempt to survey 7 HHs in cluster A	Oct 22, 2019	11:00-12:30	X	
1 st attempt to survey 7 HHs in cluster B	Oct 22, 2019	14:00-16:00		X
2 nd attempt to complete surveys in cluster A	Oct 22, 2019	17:00-18:30	X	
2 nd attempt to complete surveys in cluster B	Oct 23, 2019	10:00-12:00		X
3 rd attempt to complete surveys in cluster A	Oct 23, 2019	14:00-15:00	X	
3 rd attempt to complete surveys in cluster B	Oct 23, 2019	15:00-16:00		X
Remaining surveys	Oct 23, 2019	16:00-18:30	As Needed	As Needed

Notes:

1. We assume the second and third attempts will take smaller amount of time per cluster.
2. With this approach, we need 15 cars, each car with 3 staff, total of 45 operation staff.
3. This plan will not be applicable to Cluster 20 and 26 as these require oversampling.

Appendix H: Community Flyer

**HOUSTON HEALTH**
DEPARTMENT

CASPER

WILL BE COMING TO YOUR COMMUNITY!

WHAT IS A CASPER?

CASPER stands for Community Assessment for Public Health Emergency Response.

WHY does our community need a CASPER?

Data indicates that the Edgebrook area was impacted by Hurricane Harvey. The Houston Health Department (HHD) wants to assess the impact of those affected. The information gathered during CASPER missions will be used to inform local officials who will use the results to strengthen relief efforts in the future, and to ensure resources are distributed appropriately.

*Please note: In order to be interviewed, you must:

1. Be 18 years of age
2. Have any "No Trespassing" signs temporarily removed
3. Have all dogs properly leashed

WHEN will the CASPER take place?



October 22nd & 23rd, 2019
Field teams will only knock on your doors between the hours of 10 a.m. and 7 p.m.

WHERE will the CASPER be conducted?


HHD employees will survey communities in zip code 77034.

WHO should I expect to see?

HHD employees will be in teams of two and dressed in a Navy Polo. We will not need to come into your home. The survey will only take 10-20 minutes. There may be an incentive for your time and participation.

**HOUSTONHEALTH.ORG**
Houston Health Department
8080 North Stadium Drive, Houston, TX 77064 832-393-5169

Appendix H-1: Community Flyer-Spanish

**HOUSTON HEALTH**
DEPARTMENT

¡CASPER vendrá a tu comunidad!

¿Qué es un CASPER?

CASPER significa Evaluación de la Comunidad para la Respuesta a Emergencias de Salud Pública.

¿CUÁNDO tendrá lugar el CASPER?

Los días 22 y 23 de octubre de 2019
o Los equipos de campo solo tocarán sus puertas entre las 10 a.m. y las 7 p.m.

¿POR QUÉ nuestra comunidad necesita un CASPER?

Los datos indican que el área de Edgebrook se vio afectada por el huracán Harvey. El Departamento de Salud de Houston (HHD) quiere evaluar el impacto de los afectados. La información recopilada durante las misiones CASPER se utilizará para informar a los funcionarios locales que utilizarán los resultados para fortalecer los esfuerzos de ayuda en el futuro y para garantizar que los recursos se distribuyan adecuadamente.

***Nota: para ser entrevistado, debe:**



1. Tener 18 años de edad
2. Elimine temporalmente cualquier señal de "no traspaso"
3. Haga que todos los perros estén debidamente atados

¿DÓNDE se realizará el CASPER?

Los empleados de HHD encuestarán a las comunidades en el código postal 77034

¿A QUIÉN debería esperar ver?

Los empleados de HHD estarán en equipos de dos y vestidos con un polo azul marino con un chaleco de seguridad sobre él. No necesitaremos entrar a su hogar. La encuesta solo tomará entre 10 y 20 minutos. Puede haber un incentivo por su tiempo y participación.

**HOUSTONHEALTH.ORG**
Houston Health Department
8000 North Stadium Drive, Houston, TX 77054 832-393-3169

Appendix H-2: Volunteer Flyer

**HOUSTON HEALTH**
DEPARTMENT



LOOKING FOR **PEOPLE** WITH A **PASSION** FOR **PUBLIC HEALTH**

WHAT IS A CASPER?

CASPER stands for Community Assessment for Public Health Emergency Response. The Houston Health Department will be doing a CASPER in the Edgebrook (South Houston) community and need your help! We are looking for volunteers to be surveyors during the CASPER project.

WHEN:
October 22nd & 23rd, 2019

WHERE:
Third Ward
Multi-Service Center
3611 Ennis Street
Houston, TX 77004

TIME:
10 a.m. – 7 p.m.

Just-In-Time Training
provided and required
Light snacks & lunch provided

WHY ARE WE IMPLEMENTING A CASPER?

Data indicates that the Edgebrook community was impacted by Hurricane Harvey. The Houston Health Department (HHD) wants to assess the impact of those affected. The information gathered during CASPER missions will be used to inform local officials who will use the results to strengthen relief efforts in the future, and to ensure resources are distributed appropriately.

Register using the following link: <http://bit.ly/FallCASPERHTX>
Please register no later than September 22nd, 2019
For questions, please contact Tia Johnson at 832-393-5027 or via email at Tia.Johnson@houston.tx.gov

**HOUSTONHEALTH.ORG**
Houston Health Department
8060 North Stadium Drive, Houston, TX 77054 • 832-393-5169

References

Centers for Disease Control and Prevention (CDC). Community Assessment for Public Health Emergency Response (CASPER) Toolkit: Second edition. Atlanta (GA): CDC; 2012.

StataCorp. 2013. *Stata Statistical Software: Release 13*. College Station, TX: StataCorp LP