

## Appendix

**Table A1. Example of Survey Questions**

<b>Survey Section</b>	<b>Focus</b>	<b>Example Survey Questions</b>
<b>Participant Eligibility</b>	Screening for participation in the City of Houston Homeowner Assistance Program (HoAP) or the General Land Office Homeowner Assistance Program (HAP)	Are you a participant in the Housing Assistance Program? (Yes/No)
<b>Home Elevation</b>	Decision-making and actions regarding home elevation	Did you elevate your home? (Yes/No)
<b>Flood Impact</b>	Experiences with flooding and flood risks	Is your home in a 100-year flood zone? (Yes/No/Don't Know)
<b>Decision to Elevate</b>	Factors influencing the choice to elevate a home	The fact that there is government assistance influenced me to elevate my home. (Agree/Disagree scale)
<b>Neighborhood and Aesthetics</b>	Influence of neighborhood and aesthetics on elevation decisions	I prefer a home that resembles the previous non-elevated design. (Agree/Disagree scale)
<b>Knowledge and Support</b>	Awareness and support received regarding elevation options	Program officers oriented me well on my elevation choices. (Agree/Disagree scale)
<b>Diversity, Equity, Inclusion</b>	Trust in government programs and inclusivity of assistance programs	Government recovery programs address systemic racism and inequality. (Agree/Disagree scale)
<b>Demographics</b>	Demographic information of the participants	What is your gender? (Male/Female/Other) What is your highest level of education? (Less than High School, High School Diploma, etc.)
<b>Additional Insights</b>	Open-ended space for participants to share any further thoughts or concerns	Is there anything else you would like to add?

**Table A2. Example of Interview Questions**

<b>Interview Section</b>	<b>Focus</b>	<b>Example Interview Questions</b>
<b>Impact of Harvey</b>	Participants' experiences with flooding before and during Hurricane Harvey	What are your experiences with flooding in this home before Hurricane Harvey?
<b>Deciding to Elevate</b>	Factors influencing the decision to elevate a home	What factors influenced your decision to elevate or not elevate your home?
<b>Government Assistance</b>	Role of government assistance in decision-making	Can you tell me about any government assistance or incentives that influenced your decision to consider elevating your home?
<b>Complications in Elevation</b>	Challenges faced during the elevation process	What aspects of the elevation process do you find most complicated or overwhelming?
<b>FEMA Flood Zone</b>	Impact of being in a Federal Emergency Management Agency (FEMA) flood zone	Are you located in a FEMA flood zone area? How does this designation impact your decision-making process?
<b>Flood Insurance</b>	Knowledge and accessibility of flood insurance	Have you considered the affordability and accessibility of flood insurance in your decision to elevate?
<b>Avoiding Future Floods</b>	Desire to prevent future flood damage	How important is it for you to avoid experiencing another flood in your home?
<b>Perception of Future Risks</b>	Beliefs about the likelihood of future severe weather and climate change	What are your beliefs about the likelihood of future severe weather events such as hurricanes in your area?
<b>Trust in Elevation</b>	Confidence in the effectiveness of home elevation	Do you trust that an elevated home can effectively prevent flood damage?
<b>Neighborhood Influence</b>	Influence of other communities on the decision to elevate	Have you noticed any influence from other neighborhoods in your decision to consider elevating your home?
<b>Neighborhood Aesthetics</b>	Importance of maintaining neighborhood character	How much importance do you place on maintaining the character and familiarity of your current neighborhood?
<b>Design Preferences</b>	Preference for the design of the elevated home	Would you prefer your elevated home to resemble your previous non-elevated design or prefer a different aesthetic?
<b>Ramps and Accessibility</b>	Usefulness of ramps on elevated homes	Do you find ramps on elevated homes to be useful in your current situation or for potential future needs?

<b>Impact on Property Values</b>	Concerns about the effect of elevation on property values	Have you considered the potential impact of elevated home designs on property values in your area?
<b>Knowledge and Support</b>	Awareness of elevation benefits and satisfaction with program officers' guidance	How satisfied were you with the orientation and guidance provided by program officers about elevation choices?
<b>Challenges in Decision-making</b>	Difficulties in deciding to elevate	What challenges did you face trying to decide whether to elevate?
<b>Experience in the Program</b>	Recommendations and advice for officials and other residents	What recommendations do you have for officials helping people to decide on home elevation?

Appendix for Garcia, I., Tao, Z., Orduña, J., Martinez Roman, L., & Welideniya, W. (2025). *Mitigating Homeowner Flood Risk After Harvey: An Assessment of Houston's Home Repair and Elevation Programs*. (Natural Hazards Center Mitigation Matters Research Report Series, Report 25). Natural Hazards Center, University of Colorado Boulder. <https://hazards.colorado.edu/mitigation-matters-report/mitigating-homeowner-flood-risk-after-harvey>