

Appendix B. Research Objectives and Questions by Data Source

Table 1. Research Objectives and Questions by Data Sources

Research Objectives and Questions	Data Sources		
	Household Survey of Puerto Rico Residents	In-Depth Interviews With NAP Participants and Low-Income Nonparticipants	Concept Map of Puerto Rico's Food System
Objective 1. Produce descriptive statistics on key sociodemographic and economic variables, including household food security, in a representative sample of Puerto Rico households			
1. What is the prevalence of low and very low food security among households with and without children in Puerto Rico?	•		
2. What is the prevalence of low and very low food security among adults in households with and without children in Puerto Rico?	•		
3. What is the prevalence of low and very low food security among children in Puerto Rico?	•		
4. What are the sociodemographic characteristics and geospatial locations of these households in Puerto Rico?	•		
Objective 2. Produce descriptive statistics on key sociodemographic and economic variables, including household low food security, in multiple representative subsamples in Puerto Rico			
1. What is the prevalence of low and very low food security among the following subsamples in Puerto Rico? NAP participating households and low-income nonparticipant households, households with and without one or more adults aged 60 or older, households with and without one or more persons with a disability.	•		
2. What are the sociodemographic characteristics of households in each subsample in Puerto Rico?	•		
Objective 3. Produce descriptive statistics for each subsample in Puerto Rico on key social, geospatial, and other policy-relevant elements of health and well-being associated with household food security			
1. What is the prevalence of each of these characteristics in each subsample?	•		
2. Is there a statistically significant difference in these characteristics between the full Puerto Rico sample and the subsamples?	•		

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3. Is there a statistically significant difference in these characteristics between each subsample for key sociodemographic and economic variables?	•		
Objective 4. Characterize the social context and, in particular, the life course of individuals as they define their experiences with low food security through in-depth interviews with individuals within the NAP participant and low-income nonparticipant subgroups			
1. How do individuals adapt to difficult life experiences, particularly low household food security? (Additional difficult life experiences will vary by respondent but may include natural disasters such as hurricanes and earthquakes, unemployment, and unstable housing.)		•	
2. What transitions and turning points in the life course of an individual shape their experiences of difficult life events, particularly low household food security? (What is the importance of Hurricanes Maria and Irma and other catastrophic life experiences, such as the earthquakes of 2019–2020 and the coronavirus pandemic?)		•	
3. What capabilities, demands, and meanings are associated with the understanding of and adaptation to each individual to difficult life events, particularly low household food security?		•	
4. How do individuals identify the importance of neighborhood and community in their understanding of and adaptation to difficult life experiences, particularly low household food security?		•	
5. How do individuals identify the importance of these experiences and transitions in their decisions to participate or not participate in NAP?		•	
6. Are there experiences or characteristics that shape an individual's resilience or vulnerability to low food security?		•	
7. Are there insights to be gained about the dynamics of household food security and hunger coping strategies among intergenerational households?		•	
8. What are the key sociodemographic and economic characteristics for each interviewee?		•	
Objective 5. Develop a detailed concept/problem map of the systemic factors that shape the implementation of the NAP program, particularly as a disaster relief tool			

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1. What are the research gaps in the knowledge of how the NAP program protects against low food security among NAP participants, especially during natural disasters?			●
2. What are the policies that influence the delivery and effectiveness of the NAP program, especially during natural disasters?			●