

NIST Hurricane Maria Investigation  
Emergency Communications Household Survey

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**TELEPHONE Part 1 - Intro, Consent, Screening**

OMB Control #0693-0078  
Expiration Date: 07/31/2022

Agency contact information may be found at the end of this survey.

**Part 1: Introduction**

Thank you for responding to the postcard you received. We are investigating information sharing and emergency risk communication during Hurricane Maria in Puerto Rico on behalf of the National Institute of Standards and Technology (NIST). We are interested in your experience with emergency communications before and during Hurricane Maria on September 20, 2017. Since the hurricane was over three years ago, we understand that you may not remember everything perfectly. That's okay, please answer to the best of your ability. We expect findings from these surveys will lead to recommendations for policy, procedures, and codes that benefit life safety during future hurricanes.

With your permission, our conversation will be audio recorded and transcribed into a written record for this purpose and for future research.

Do you give us permission to record and use your information for this purpose?

- Yes (Proceed with recording)  
 No

This survey poses no risks or benefits to you personally. Your participation is voluntary and without compensation. You may refuse to answer any question raised. The survey will take approximately 25 minutes. Any sensitive or personal information that you provide will be kept confidential to the extent permitted by law. We will not release information such as your name, phone number, or address.

You will remain anonymous, and the information collected will be combined or aggregated with information that we obtain from other individuals. Information collected in this survey may be shared by NIST with researchers at NIST or with researchers outside NIST. The information that you provide may be used in future research. Any future research will include protections to ensure that both the sharing and use of the information complies with the conditions just described.

Do you consent to our using the information that you provide in the way that was described?

Please confirm your consent to participate in this survey by selecting one of the following:

- Consents
- Does not consent

## **Part 2: Screening Questions**

Are you at least 21 years of age?

- Yes
- No

Were you living on Puerto Rico in 2017 and on the island during Hurricane Maria?

- Yes
- No

Were you involved in household preparations for Hurricane Maria?

- Yes
- No

Lastly, do you still live at the same location as before Hurricane Maria?

- Yes
- No

Is there someone else in your household who is:

- at least 21 years of age?
- was living on Puerto Rico in 2017 and on island during Hurricane Maria?
- was involved in household preparations for Hurricane Maria?
- and still lives at this location?

If so, select yes, and please have them take the survey. Thank you.

- Yes
- No

### **Part 3: Background & Previous Experience Questions**

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*We would like to learn about your experiences with hurricanes and other natural hazards before Hurricanes Irma and Maria in 2017.*

Q6. Before Hurricanes Irma and Maria, how many hurricanes had you experienced? *(Select only one)*

Interviewer - Read List

- None; Irma and Maria were the first hurricanes I experienced
- 1-2
- 3-4
- 5 or more
- I don't know

Q7. Before Hurricanes Irma and Maria, how many times had you evacuated from a hurricane? *Evacuation is defined as leaving your home or location to go to a safer place, including a public shelter. (Select only one)*

Interviewer - Read List

- None; I never evacuated before Hurricanes Irma and Maria
- 1-2
- 3-4

- 5 or more
- I don't know

Q8. Before Hurricanes Irma and Maria, had you ever experienced any of the following from a hurricane? (*Select one response for each item*)

Interviewer - Read List

	Yes	No	I don't know
a. Damage to my home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Loss of utilities at my home for more than 48 hours	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Flooding affecting my home or property	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Landslides affecting my home or property	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q9. Before Hurricanes Irma and Maria, how long had you lived in your home? (*Select only one*)

Interviewer - Read List

- Less than 1 year
- 1-4 years
- 5-9 years
- 10 or more years
- I don't know

Q10. Before Hurricanes Irma and Maria, was your home owned or rented (by yourself or others)? (*Select only one*)

Interviewer - Read List

- Owned
- Rented
- I don't know

Q11. Before Hurricanes Irma and Maria, had you done any of the following to prepare for a hurricane? (*Select one response for each item*)

Interviewer - Read List

	Yes	No	I don't know
a. Signed up for alerts or warnings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Made a plan for evacuation (such as where to go)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Set aside food, water, medicine, or other supplies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Took steps to protect home from winds, rain, or debris	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Attended training on hurricane preparedness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Talked with others about hurricane preparation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Had insurance coverage for a natural hazard (any)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q12. Before Hurricanes Irma and Maria, how safe did you think your home would be to stay in during a hurricane? (*Select only one*)

Interviewer - Read List

- Very safe
- Somewhat safe
- Somewhat unsafe
- Very unsafe
- I don't know

#### **Part 4 - Communication Questions**

#### **Part 4: Communication Questions**

*We would like to learn about emergency communication and messages you received before Hurricane Maria. This includes evacuation messages and other*

kinds of information.

Q13. In the days before Hurricane Maria, did you receive evacuation related information from the following sources? (*Select one response for each item*)

Interviewer – Ask "Did you receive information from. . ." for each source

	Yes	No	I don't know
a. National Hurricane Center or National Weather Service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. National TV, radio, or internet broadcaster (for example, David Begnaud)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Governor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Fire department or police	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Puerto Rico Emergency Management Agency or local emergency manager	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Mayor (of your municipality)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Local/regional TV, radio, or internet broadcaster (for example, Ada Monzon, Deborah Martorell, John Toohey-Morales)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. Family member, neighbor, co-worker, or friend	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q14. In the days before Hurricane Maria, did you receive any evacuation-related information through the following information channels (*Select one response for each item*)

Interviewer – Ask "Did you receive information from. . ." for each channel

Yes	No	I don't know
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	Yes	No	I don't know
a. Cell phone (calls or texts)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Landline phone (calls or automated messages)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Government, agency, organization, or news websites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Social media (such as Facebook or Twitter)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Television	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Newspaper	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Radio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. Public address system, megaphones, messages or signage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i. Face-to-face / in-person	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q15. Before Hurricane Maria, did you consider the following sources to be trustworthy for providing accurate evacuation-related and emergency information about hurricanes? This question uses a response scale of 1 to 5 where 1 signifies "Not at all trustworthy" and 5 signifies "Extremely trustworthy". (Select one response for each item)

Interviewer - Read List of sources

	Not at all trustworthy	Slightly trustworthy	Moderately useful	Very trustworthy	Extremely trustworthy
a. National Hurricane Center or National Weather Service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. National TV, radio, or internet broadcaster (for example, David Begnaud)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Governor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Fire department or police	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Not at all trustworthy	Slightly trustworthy	Moderately useful	Very trustworthy	Extremely trustworthy
e. Puerto Rico Emergency Management Agency or local emergency manager	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Mayor (of your municipality)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Local/regional TV, radio, or internet broadcaster (for example, Ada Monzon, Deborah Martorell, John Toohey-Morales)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. Family member, neighbor, co-worker, or friend	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q16. Before Hurricane Maria, was this channel one of your preferred ways for getting hurricane or evacuation-related information? (*Select one response for each item*).

	Yes	No	I don't know
a. Cell phone (calls or texts)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Landline phone (calls or automated messages)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Government, agency, organization, or news websites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Social media (such as Facebook or Twitter)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Television	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Newspaper	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Radio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. Public address system, megaphones messages or signage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



	Yes	No	I don't know
i. Face-to-face / in-person	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q17. Leading up to Hurricane Maria's landfall, do you recall needing more information about any of the following topics? (*Select one response for each item*)

Interviewer - Read list of topics

	Yes	No	I don't know
a. Hurricane characteristics (strength, windspeed, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Potential to affect utilities (power, water, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Risk for flooding or landslides at my location	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Potential to affect my home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Actions to keep safe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Where to get supplies to prepare	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Emergency plans for medical care, medication, and/or hospitals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. Emergency plans for workplace or school/childcare	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i. Transportation options for evacuation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j. Location of open nearby shelters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k. Location of shelters that would accept pets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Part 5 - Evacuation Decision Questions**

**Part 5: Evacuation Decision Questions**

*We would now like to learn more about your decision on whether or not to evacuate from Hurricane Maria.*

Q18. Whether or not you evacuated, how much did the following pre-storm considerations influence your decision about whether or not to evacuate from Hurricane Maria? This question uses a response scale of 1 to 5 where 1 signifies "Did not influence" and 5 signifies "Influenced a very great deal". (Select one response for each item)

Interviewer – Read each consideration, Repeat scale as necessary

	1	2	3	4	5
	Did not influence	Slightly influenced	Moderately influenced	Influenced a great deal	Influenced a very great deal
a. Announcement of hurricane "watch" or "warning"	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Previous experience with hurricanes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Observing others preparing to evacuate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Observing others preparing to stay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Recommendations or orders to evacuate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4	5
	Did not influence	Slightly influenced	Moderately influenced	Influenced a great deal	Influenced a very great deal
f. Lack of physical resources to evacuate (no car, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Physical or medical impediments for yourself or others you care for	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4	5
	Did not influence	Slightly influenced	Moderately influenced	Influenced a great deal	Influenced a very great deal
h. The expense of evacuation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i. Traffic accidents or traffic jams during evacuation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q19. Whether or not you evacuated, how much did the following storm impact considerations influence your decision whether or not to evacuate from Hurricane Maria? This question uses a response scale of 1 to 5 where 1 signifies "Did not influence" and 5 signifies "Influenced a very great deal". (*Select one response for each item*)

Interviewer – Read each consideration, Repeat scale as necessary

	1	2	3	4	5
	Did not influence	Slightly influenced	Moderately influenced	Influenced a great deal	Influenced a very great deal
a. The forecasted intensity of the storm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Concern that your home would be severely damaged or destroyed by the hurricane	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Damage from floods or landslides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Protecting your home from storm damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	1	2	3	4	5
	Did not influence	Slightly influenced	Moderately influenced	Influenced a great deal	Influenced a very great deal
e. Protecting your home from looters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Your home/neighborhood being isolated by road	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4	5
	Did not influence	Slightly influenced	Moderately influenced	Influenced a great deal	Influenced a very great deal

g. Lost income from your job or losing your job

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Q20. Whether or not you evacuated, at the moment you decided on evacuating (or not), how likely did you think each of the following impacts were? This question uses a response scale of 1 to 5, where 1 signifies "Not at all likely" and 5 signifies "Extremely likely". (Select one response for each item)

Interviewer – Read each impact, Repeat scale as necessary

	1	2	3	4	5
	Not at all likely	Somewhat likely	Moderately likely	Very likely	Extremely likely

a. Hurricane would be a Category 3 or above

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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b. Eye of hurricane would pass over island

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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c. Home would be flooded

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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d. Home would be impacted by landslides

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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e. Home would be damaged by wind

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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	1	2	3	4	5
	Not at all likely	Somewhat likely	Moderately likely	Very likely	Extremely likely

f. Myself or household members would be injured or killed

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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g. Pets or farm animals would be injured or killed

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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h. Utility services at home would be disrupted

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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	1	2	3	4	5
	Not at all likely	Somewhat likely	Moderately likely	Very likely	Extremely likely

i. Myself or household members would be prevented from working due to hurricane damage/impacts

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Q21. Did you or anyone in your household evacuate in advance of Hurricane Maria? (*Select only one*)

Interviewer – Read list. "Would you say . . ."

- Yes, all of us.
- Yes, I evacuated, but some in my household did not.
- Yes, others from my household evacuated, but I did not.
- No, no one from my household evacuated.

Q22. Did you or others evacuate due to official evacuation instructions or recommendations? (*Select only one*)

Interviewer – Read list.

- Yes, we complied with evacuation instructions or recommendations for our area or home
- No, we decided on our own to evacuate without being aware of any specific evacuation instructions or recommendations

Q23. How long was it between when you decided to evacuate and when you actually evacuated? (*Select only one*)

Interviewer – Read list.

- Less than 5 hours
- 6-12 hours
- 13-24 hours
- 25-48 hours
- More than 2 days
- I don't know

Q24. After deciding to evacuate, did you or others evacuating with you do any of the following before leaving? (*Select all that apply*)

Interviewer – Read list. "Did you . . ."

- Travel home from somewhere (work, etc.)
- Travel elsewhere from home (to get gas, medicines, food/water, etc.)
- Pack items to take or load vehicle
- Attend to pets or farm animals
- Protect home/property from hurricane (boarding windows, shutting off utilities, etc.)
- Gather people evacuating with you
- Communicate plans to other friends or family
- I did not do anything, I left immediately
- I don't know

Q25. On which of the following dates did you or others evacuate from Hurricane Maria? If there were separate evacuation times, please select the time closest to the hurricane's landfall. (*Select only one*)

Interviewer – Read list. "Did you evacuate . . ."

- Before or on Monday September 18 (2 days before)
- Tuesday September 19 (day before)
- Wednesday September 20 (day of hurricane)
- Thursday September 21 (day after)
- On or after Friday September 22 (2 days after)
- I don't know

Q26. Where did you evacuate to, and stay, during Hurricane Maria? (*Select only one*)

Interviewer – Read list.

- Home of friend, relative, or neighbor
- Hotel, motel, or rental property
- Emergency shelter location (public or private)
- I don't know

## **Part 6 – Impacts & Health Related Questions**

## **Part 6: Impacts & Health Related Questions**

*We would like to learn about how you and your household were impacted by the hurricane, including: damage to your home, deaths, injuries, and healthcare needs.*

Q27. Whether or not you evacuated, did you or anyone in your household need medical assistance in order to evacuate from Hurricane Maria (such as physical assistance by medical staff or special equipment such as oxygen)? (*Select only one*)

Interviewer – Read list.

- Yes they did, and got assistance
- Yes they did, but did not get assistance
- No, no one needed assistance

Q28. How was your house affected by Hurricane Maria? Please tell us which of the following conditions apply. (*Select one response for each item*)

Interviewer – Read list.

	Yes	No	I don't know
a. My home was not damaged	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Rain or flood waters entered home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Landslide on property or that impacted home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Loss of any utilities such as power, water, or telecommunications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Damage to outside of building (windows, doors, roof, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Considerable damage to roof; more than 50% destroyed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Yes	No	I don't know
g. Collapse of house/home, or completely destroyed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q29. Please indicate the number of people in your household who died because of direct or indirect impacts from Hurricane Maria in the following categories. (*Please insert numbers in all categories, even if "0"*)

Interviewer – Read list.

a. wind-borne debris, floodwater, or landslides	0
b. failure of buildings such as broken windows or roof collapse	0
c. loss of power, water, transportation or other utilities	0
d. lack of medical care or necessary medication	0
e. activities related to clean-up or hurricane recovery	0
f. other causes	0
Total	0

Q30. Please indicate the number of people in your household who were injured or sickened because of direct or indirect impacts from Hurricane Maria in the following categories. If someone was injured and then died, please include them here as well. (*Please insert numbers in all categories, even if "0"*)

If someone was injured in more than one category, please include them in each category.

Interviewer – Read list.

0	a. wind-borne debris, floodwater, or landslides
0	b. failure of buildings such as broken windows or roof collapse
0	c. loss of power, water, transportation or other utilities
0	d. lack of medical care or necessary medication
0	e. activities related to clean-up or hurricane recovery



Q31. Which of the following items did you and household members need within 72 hours of Hurricane Maria, but did not have? (*Select all that apply*)

Interviewer – Read list.

- Safe drinking water and / or food
- Utilities such as water, power, gas or electric
- Phone or Internet connection
- Medication; medical supplies or equipment (oxygen, wheelchair, etc.)
- Cash; means to purchase needed items
- Critical documents for identity, banking, insurance, etc.
- Emergency power source (generator, etc.)
- Gasoline (for vehicles or generator)
- Ice
- We had all the supplies and services we needed

Q32. Did you continue to live in your home after Hurricane Maria hit Puerto Rico? (*Select only one*)

Interviewer – Read list.

- Yes, my home sustained no, or minimal, damage.
- Yes, we lived there despite damage or loss of utilities.
- No, the house was destroyed or in a non-livable state, and we had to relocate due to damage or lack of utility service
- No, the house was potentially livable, but we chose to relocate due to damage or for repairs to take place.

Q33. Within the first two weeks after Hurricane Maria, did you or anyone in your household have difficulty accessing healthcare services for any of the following reasons? (*Select all that apply*)

Interviewer – Read list.

- Transportation: roads closed, lack of public transportation; no ambulances
- Communication: phone or 911 services unavailable
- Hospital closed
- Hospital not accepting patients or key services not available (x-rays, etc.)

- Clinic or doctor's office closed
- Dialysis center closed
- Pharmacy closed or out of medicines
- Lack of ability to pay for services
- No one needed healthcare

## **Part 7 - Social and Demographic Questions**

### **Part 7: Social and Demographic Questions**

*These questions will provide us with information about you and your household and will help us to better understand how different types of people respond to hurricanes.*

Q34. Which category best describes your sex? *(Select only one)* You may skip this question if you prefer not to answer.

Interviewer – Read list.

- Female
- Male

Q35. Which of the following Census categories best describes your ethnicity? *The U.S. Census Bureau defines "Hispanic or Latino" as an ethnic, rather than racial, category. (Select only one)*

Interviewer – Read list.

- Hispanic or Latino
- Not Hispanic or Latino

Q36. Please tell us which of the following Census categories best describes your race? *The U.S. Census Bureau does not consider "Hispanic or Latino" to be a racial category, because people who identify as Hispanic, Latino, or Spanish may be of any race. (Select one or more)*

Interviewer – Read list.

- Black or African American
- White

- American Indian or Alaska Native
- Asian
- Native Hawaiian or other Pacific Islander

Q37. How old were you in 2017, just before Hurricane Maria? (*Select only one*)  
Interviewer – Read list.

- 18-29 years old
- 30-39 years old
- 40-49 years old
- 50-59 years old
- 60-69 years old
- 70 or older

Q38. What was your highest level of education completed in 2017, just before Hurricane Maria? (*Select only one*)  
Interviewer – Read list.

- No schooling
- Some schooling, but no high school diploma
- High school diploma or equivalent
- Some college, but no degree
- Associate degree or Bachelor degree
- Graduate degree (or professional degree beyond Bachelor's)

Q39. Which of the following categories best describes your employment status in 2017, just before Hurricane Maria? (*Select only one*)  
Interviewer – Read list.

- Employed full-time (working 37.5 or more hours per week)
- Employed part-time (working fewer than 37.5 hours per week)
- Retired
- Disabled or not able to work
- Not employed or other

Q40. Please tell us how many individuals in the following categories, including yourself, lived in your household in 2017, just before Hurricane Maria. (*Please insert*

numbers in all categories, even if "0".)

Interviewer – Read list.

a. Infants and children 0 - 12 years old

b. Children and teens 13 - 17 years old

c. Adults 18 - 64 years old

d. Adults 65 and older

Total

Q41. Please provide an estimate for what you expected your total household annual income for 2017 would be, just before Hurricane Maria. Please include all sources, including yourself. (*Select only one*)

Interviewer – Read list.

- Less than \$5,000
- \$5,000 to \$9,999
- \$10,000 to \$19,999
- \$20,000 to \$29,999
- \$30,000 to \$39,999
- \$40,000 to \$49,999
- \$50,000 to \$59,999
- \$60,000 or more

## **Part 8 - Closing**

### **Part 8: Closing**

*Thank you so much for taking the time to complete this survey. Your responses will assist us in providing recommendations that can help reduce future hurricane risks.*

Q42. Do you have any comments or questions about the survey? Also, please let us know if you would be interested in participating in a longer interview exploring similar issues.



*A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 00693-0078. Without this approval, we could not conduct this survey. Public reporting for this information collection is estimated to be approximately 45 minutes in total, per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the National Institute of Standards and Technology at: 100 Bureau Drive, Gaithersburg, Maryland 20899, Attn: Katherine Johnson, Social Scientist and National Construction Safety Team Member, NIST Engineering Laboratory; or contact at [katherine.johnson@nist.gov](mailto:katherine.johnson@nist.gov).*