

SURVEY OF PROTECTIVE ACTION EXPERIENCES IN HURRICANE IAN



UNIVERSITY OF FLORIDA
CIVIL AND COASTAL
ENGINEERING

JACKSONVILLE STATE UNIVERSITY
CENTER FOR EMERGENCY
PREPAREDNESS

1. When Hurricane Ian struck, what was the address of your home/residence? _____
2. On average, how many times per day did you check each of the following sources for information about Hurricane Ian in the *three days* before landfall?
- | | 0 | 1-2 | 3-4 | 5-6 | 7 or more |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| a. Local authorities (e.g., Mayor, Sheriff/Police Chief, Emergency Coordinator) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Local news media (e.g., newspapers, radio stations, television stations) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. National news media (e.g., network news, Weather Channel) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. The Internet (e.g., National Hurricane Center) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Social media (e.g., Facebook, Twitter) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| f. Phone or face-to-face contact with peers such as friends, relatives, or neighbors | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
3. As the storm approached, did you see any of the following displays on TV, Internet, or social media (e.g., Facebook, Twitter)...
- | | Never | | | | Very Frequently |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| a. a forecast track showing the "best estimate" of the hurricane center? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. an uncertainty cone only (also called an error cone)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. an uncertainty cone with a forecast track inside it? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. an ensemble forecast ("spaghetti plot") showing the results of different models? ... | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. a wind swath showing the locations expected to be affected by hurricane wind? ... | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
4. As the storm approached, how likely did you think it was that...
- | | Not at all likely | | | | Almost certain |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| a. the eye of the storm would track through your community? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. the storm would be a major (Category 4 or 5) hurricane when it struck? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. you and or household members would be injured or killed if you stayed? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. job disruptions would prevent you or household members from working? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. traffic disruptions would prevent normal travel? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
5. As the storm approached, how likely did you think ...
- | | Not at all likely | | | | Almost certain |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| a. your home would be inundated by (saltwater) storm surge? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. your home would be inundated by (freshwater) inland flooding? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. your home would be severely damaged or destroyed by storm wind? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. your home's structure or foundation would be damaged, making it unlivable? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. basic services (water, electric power, telecommunications) would be lost? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| f. your roof, windows, or entrances would be broken? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| g. your pool, fence, annex buildings, or landscaping would be damaged? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| h. your air conditioner, appliances, and other equipment would be damaged? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| i. flying debris or flood water would damage your furnishings, walls, and floors? ... | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
6. What is the maximum water level above ground that you thought your home could tolerate before being damaged by storm surge or inland flooding?
- ☐ Less than 2.0 ft ☐ 2-3.9 ft ☐ 4-5.9 ft ☐ 6-7.9 ft ☐ 8-9.9 ft ☐ 10 ft or more
7. What is the maximum wind speed that you thought your home could tolerate before being damaged by wind impacts?
- ☐ Less than 73 mph ☐ 73-94 mph ☐ 95-109 mph ☐ 110-128 mph ☐ 129-155 mph ☐ 156 mph or more

As a reminder: The National Hurricane Center issued a *Storm Surge Watch* and *Hurricane Watch* for Florida at 11:00 PM EDT on Sunday, September 25. These were upgraded to a *Storm Surge Warning* for *Anclote River south to Flamingo* at 5:00 PM EDT on Monday, September 26 and a *Hurricane Warning* for *Englewood to Anclote River* at 8:00 PM EDT that same day. The *Hurricane Warning* was extended south to *Bonita Beach* at 5:00 AM EDT on Tuesday, September 27 and to *Chokoloskee* at 5:00 PM EDT that same day. The hurricane made landfall at Fort Myers Beach about 3:05 PM on Wednesday, September 28.

8. When did you first learn that your area might be threatened by the storm?
- a. Day: ☐ **Fri 9/23** ☐ **Sat 9/24** ☐ **Sun 9/25** ☐ **Mon 9/26** ☐ **Tue 9/27** ☐ **Wed 9/28** ☐ **Thu 9/29**
- b. Time: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ Noon ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ Midnight
9. Did you make any local trips within your community to prepare for the approaching storm?
- ☐ **No** (Go to Question 12) ☐ **Yes** (How many trips? _____)
10. During those local trips, did you do either of the following? ☐ **Pick up other evacuees** ☐ **Get cash**
11. During those local trips, how much did your household spend on supplies? \$_____ **Property protection materials**
- \$_____ **Nonperishable food** \$_____ **Bottled water** \$_____ **Gas** \$_____ **Batteries** \$_____ **Flashlights**
- \$_____ **Medications** \$_____ **Toilet paper** \$_____ **Other** (please specify) _____

26. How many trailers (including boats & campers) did your household take in the evacuation? _____ trailers
27. In (or near) what city did you spend your first night after evacuating? _____
28. Did you arrange a place to stay before you reached your destination?
☐ **No** ☐ **Yes, I contacted them before evacuating** ☐ **Yes, I contacted them while on the road**
29. Where did you stay when you got to your destination? ☐ **Home of friend/relative** ☐ **Hotel/motel**
☐ **Public shelter** ☐ **Other** (please specify) _____
30. How many nights did you spend evacuated from home? _____ nights ☐ **I am still evacuated**
31. How much do you estimate it cost your household to evacuate (or your cost to date if still evacuated)?
 \$ _____ **Transportation (e.g., gas)** \$ _____ **Food** \$ _____ **Lodging** \$ _____ **Lost income**
32. How many registered vehicles did your household have when Hurricane Ian struck? _____ vehicles
33. Did you rent or own the home where you lived at the time Hurricane Ian struck? ☐ **Rent** ☐ **Own** ☐ **Other** _____
34. About how many years had you been living in your neighborhood when Hurricane Ian struck? _____ years
35. Was this your primary or secondary residence? ☐ **Primary** ☐ **Secondary**
36. Which of the following best describes the type of structure in which you lived at the time you evacuated?
☐ **Detached single family home** ☐ **Multi-family, 1-2 stories** ☐ **Multi-family, 3 or more stories**
☐ **Mobile or manufactured home** ☐ **Other** (please specify) _____
37. When Hurricane Ian struck, were you living in a ...
- | | <u>No</u> | <u>Unsure</u> | <u>Yes</u> |
|--|--------------------------|--------------------------|--------------------------|
| a. hurricane risk area? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Federal Emergency Management Agency (FEMA) flood zone | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
38. What is your age? _____ years old
39. What is your gender ☐ **Male** ☐ **Female** ☐ **Prefer to self-identify** _____
40. Which of the following best describes your race/ethnicity? ☐ **Caucasian** ☐ **African American** ☐ **Asian/Pacific Islander**
☐ **Hispanic** ☐ **American Indian/Alaskan Native** ☐ **Other** (please specify) _____
41. What is your marital status? ☐ **Married** ☐ **Single** ☐ **Divorced** ☐ **Widowed**
42. How many people (including yourself) in your household are: ____ **Under 18** ____ **18-65** ____ **Over 65 years**
43. Did any household members need medical assistance? ☐ **No** ☐ **Yes, they evacuated** ☐ **Yes, they didn't evacuate**
44. Did your household have any livestock or pets at the time Hurricane Ian struck? (Check all that apply.)
☐ **Yes, we had** _____ **livestock; we evacuated** _____ **of them.**
☐ **Yes, we had** _____ **pets; we evacuated** _____ **of them.**
☐ **No, we had neither**
45. What is your highest level of education? ☐ **Some high school** ☐ **High school graduate/GED**
☐ **Some college/vocational school** ☐ **College graduate (2- or 4-year)** ☐ **Graduate school (Master, Doctor)**
46. What is your yearly household income?
☐ **Less than \$21,500** ☐ **\$21,500–34,999** ☐ **\$35,000–44,999** ☐ **\$45,000–54,999**
☐ **\$55,000–64,999** ☐ **\$65,000–74,999** ☐ **\$75,000–99,999** ☐ **\$100,000 or more**

If you have any additional comments about your Hurricane Ian experience, please write them below.

Thank you for the time you have taken to fill out this questionnaire. Please return it in the envelope provided.