Hurricane Ian Situation Report for Oct 1, 2022 at 16:00

Data last updated on Oct 2, 2022 at 19:00

01 <u>Disaster</u>

02 <u>Movement</u>

**03** <u>Vulnerability</u>

Summary

This report summarizes population movements and vulnerability indicators for coastal South Carolina in the aftermath of the landfall of Hurricane Ian.

The greatest decreases in population occurred in the counties of Horry and Brunswick, to the north of Charleston. These counties saw consistent day-over-day declines of 13% to 14% as compared to 5% to 6% in the more southern counties of Charleston and Georgetown. The counties just inland from these coastal areas generally saw either no change or slight increases in population, which reflects the relatively short average distances traveled by evacuees from Horry and Brunswick.

The population of Horry, Brunswick, and Georgetown are in general more vulnerable to disaster impacts than Charleston with numbers of residents over age 65 ranging as high as 31% and poverty rates up to 16%, as compared with 16% elderly and 12% poverty rates in Charleston.
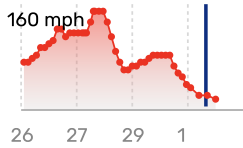

DISASTER
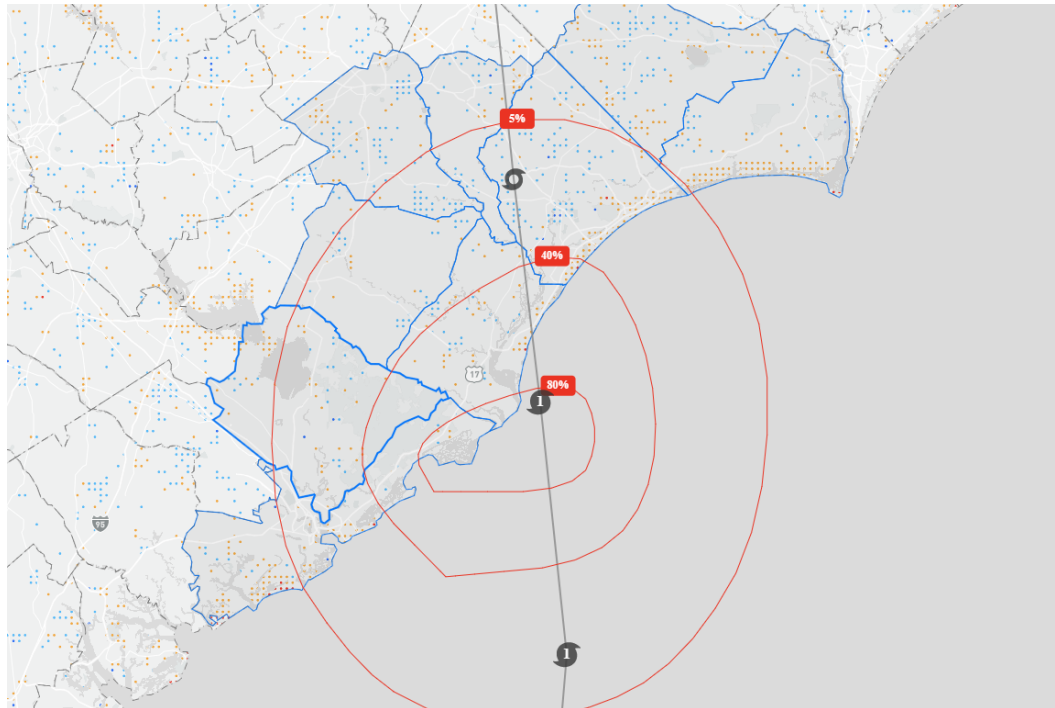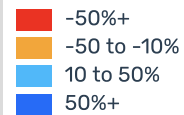
Hurricane Path on Oct 1, 2022 at 16:00

On Oct 1, 2022 at 16:00 with place selections.
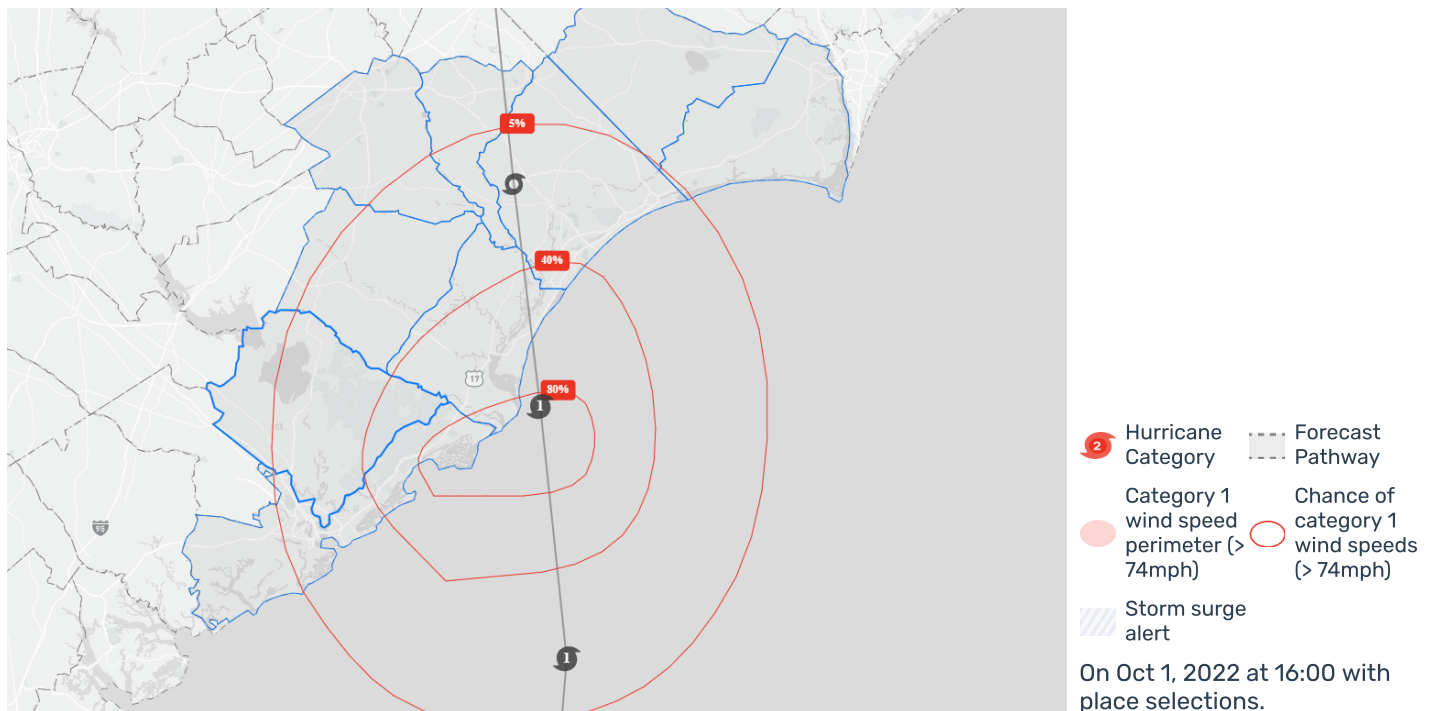
Wind Speed Over Time

Hurricane Ian

MOVEMENT

% Pop. Density Change on Oct 1, 2022 at 16:00

Facebook Mobility Data

- 🟥 -50%+
- 🟧 -50 to -10%
- 🟦 10 to 50%
- 🟦 50%+

% Pop. Density Change on Oct 1, 2022 at 16:00 with place selections.

Population Density on Oct 1, 2022 at 16:00

Location	Baseline Pop.	Current Crisis Pop.	Pop. Density vs. Baseline ▼	Confidence Level
Marion County	4718	4828	2%	N/A
Williamsburg County	3204	3252	2%	N/A
Berkeley County	54477	55272	1%	N/A
Florence County	25886	26044	1%	N/A
Columbus County	8986	8924	−1%	N/A
Georgetown County	14015	13271	−5%	N/A
Charleston County	83007	77985	−6%	N/A
Brunswick County	40256	34866	−13%	N/A
Horry County	118900	101981	−14%	N/A

% Pop. Density Change Over Time

Marion

Williamsburg

Berkeley

Florence

Columbus

Georgetown

Charleston

Brunswick

Horry
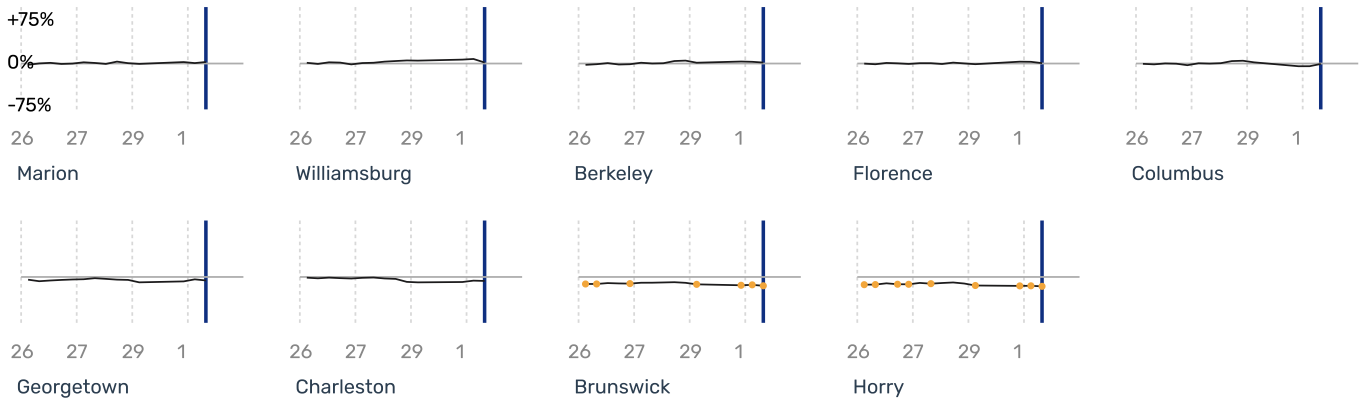
VULNERABILITY

Pop. > 65 yrs on Oct 1, 2022 at 16:00

% of Pop. > 65 yrs

0% 13% 22% 36% 65% 100%
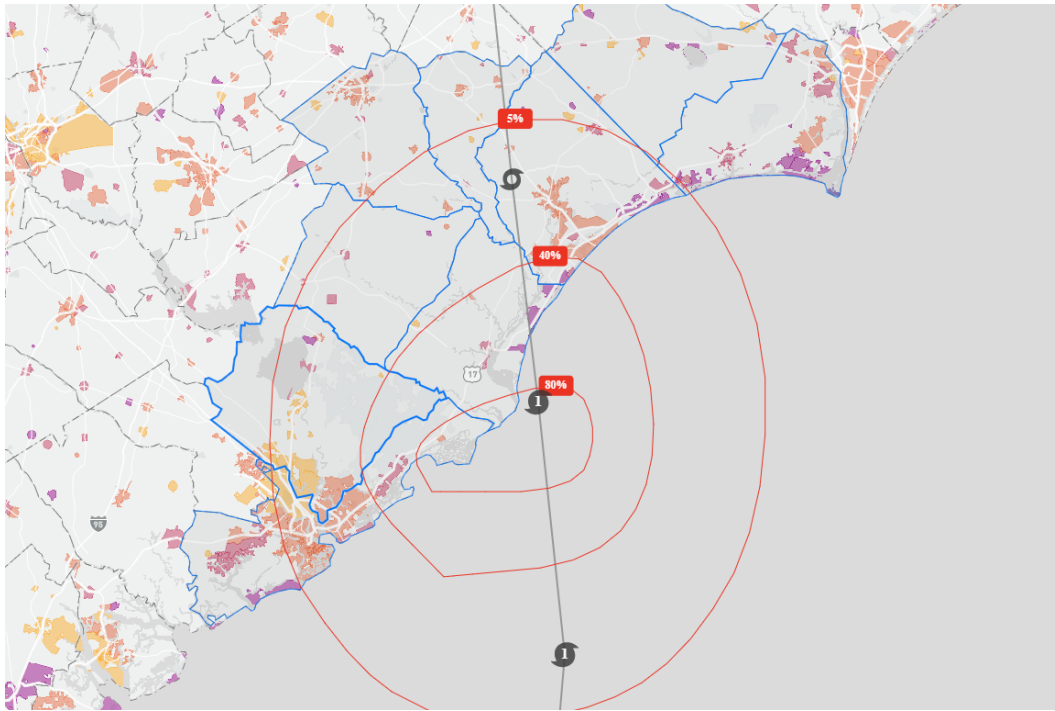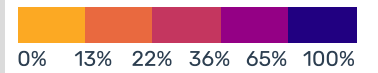
Power outages on Oct 1, 2022 at 16:00 with place selections.

Demographics

Location	Total Pop.	Pop. > 65 yrs	% of Pop. > 65 yrs ▼	% of Pop. Below Poverty Level	Num. Customers Without Power	DME Users	DME Users / 100K Pop.
Brunswick County	137,303	43,237	31%	11%	0	1775	0.0177
Georgetown County	62,150	17,268	28%	16%	0	689	0.0069
Horry County	344,186	82,869	24%	14%	0	4138	0.0414
Williamsburg County	30,810	6,387	21%	23%	0	376	0.0038
Columbus County	55,659	11,142	20%	21%	0	940	0.0094
Marion County	30,954	6,084	20%	23%	0	441	0.0044
Florence County	138,237	23,370	17%	17%	0	1625	0.0163
Charleston County	407,543	66,759	16%	12%	0	1995	0.0199
Berkeley County	222,103	30,785	14%	12%	0	1235	0.0123

Power Outages

Places
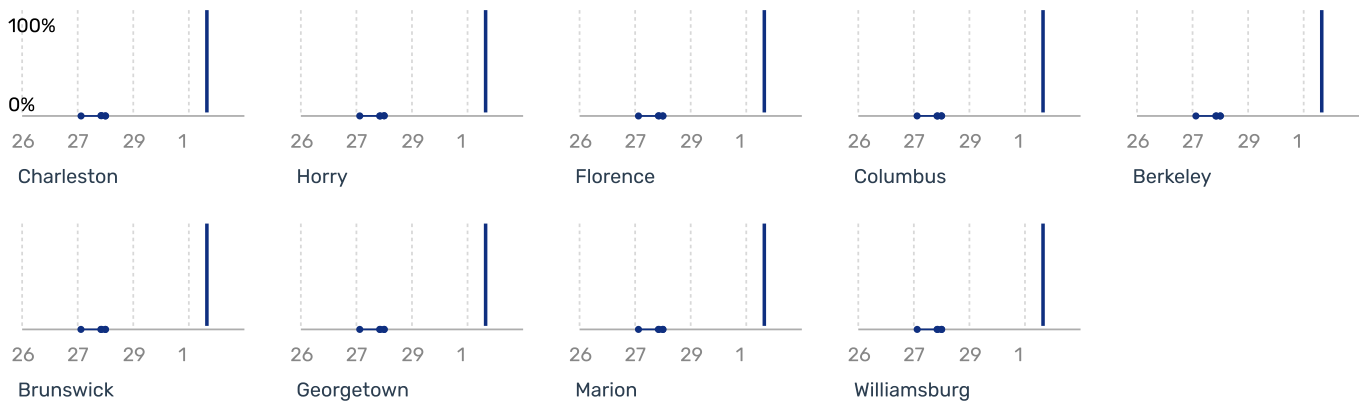
CrisisReady is a research response platform at the Harvard Data Science Initiative and Direct Relief that advances data-driven decision making in emergency response. Contact us at info.crisisready.io to get in touch.

Report created on Oct 3, 2022 at 12:11