

Hurricane Ian Situation Report for Oct 2, 2022 at 16:00

Data last updated on Oct 4, 2022 at 08:00

01 Disaster

02 Vulnerability

03 Movement

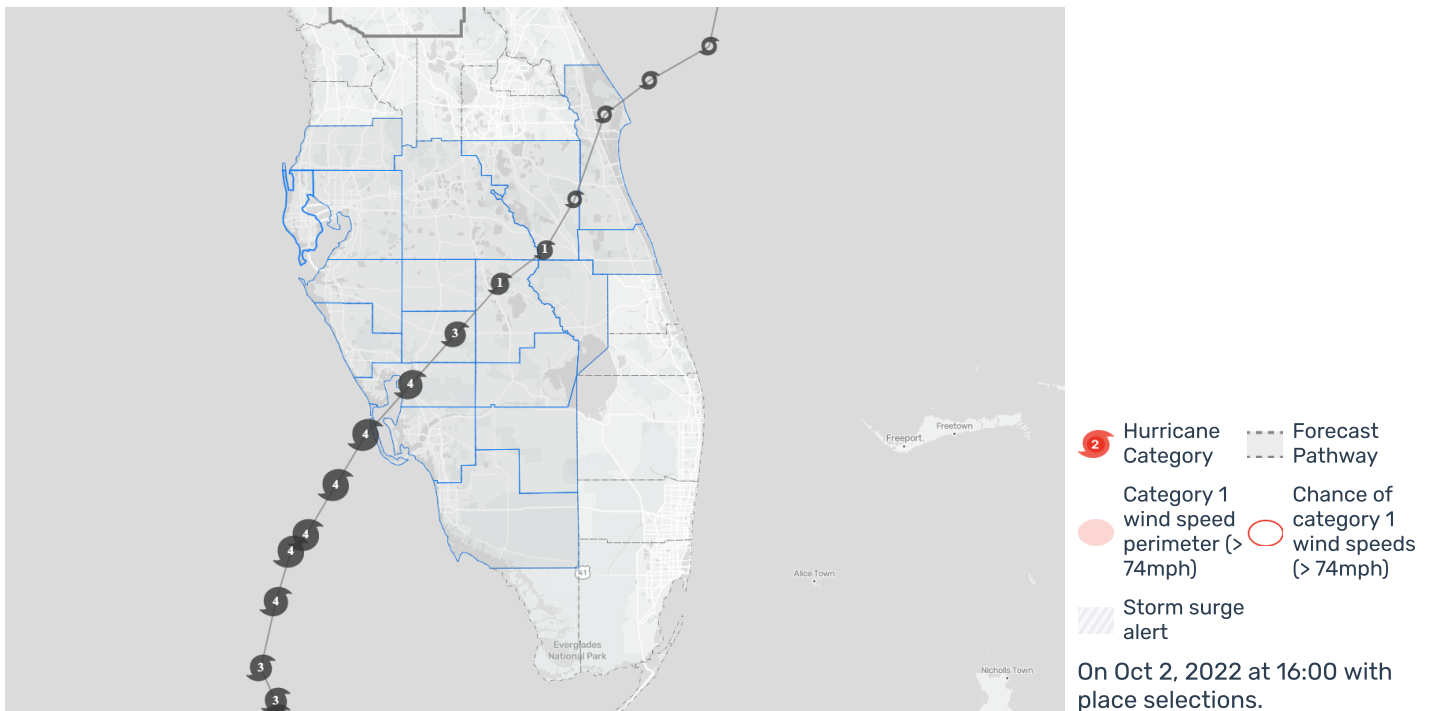
Summary

As of the end of October 2nd, southwestern Florida and other parts of the state impacted by Hurricane Ian continued to see widespread power outage and reduced population in the most affected areas.

Charlotte and Lee Counties saw reductions of between 14% and 26%, while most surrounding counties, extending to the eastern side of the state have seen relatively significant increases. The most proximate increase to the western area of landfall occurred in Hillsborough County, which saw an increase in Facebook users of nearly 26,000 or 9% relative to the baseline value of 90 days pre-crisis.

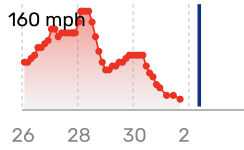
DISASTER

Hurricane Path on Oct 2, 2022 at 16:00



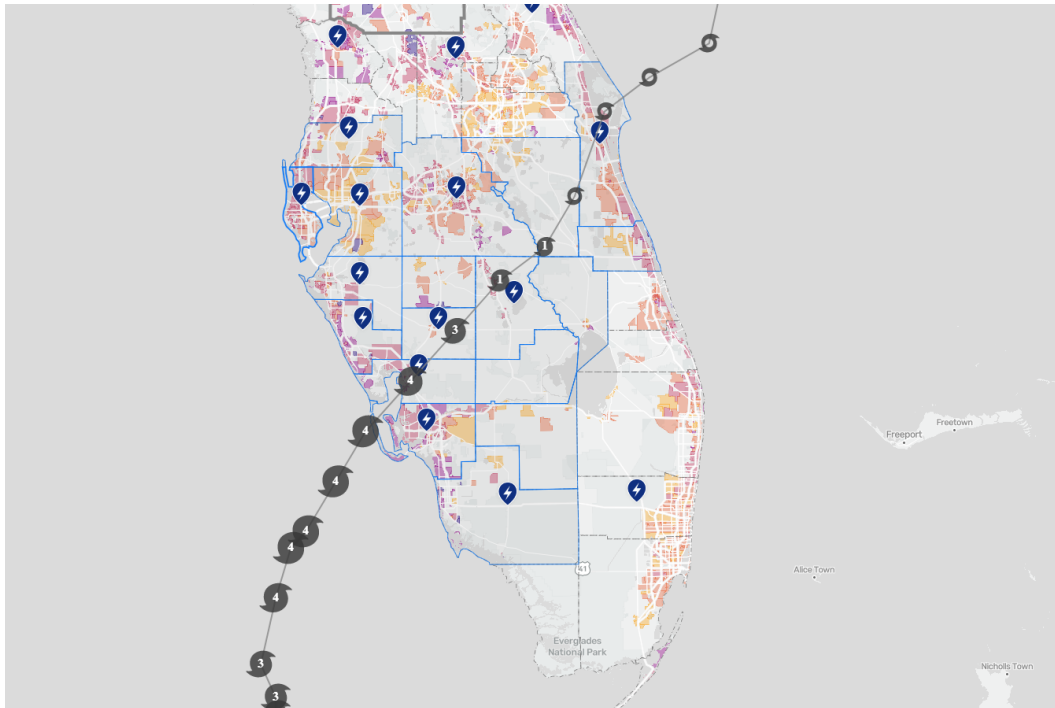
Wind Speed Over Time

Hurricane Ian

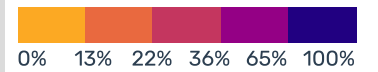


VULNERABILITY

Pop. > 65 yrs on Oct 2, 2022 at 16:00



% of Pop. > 65 yrs



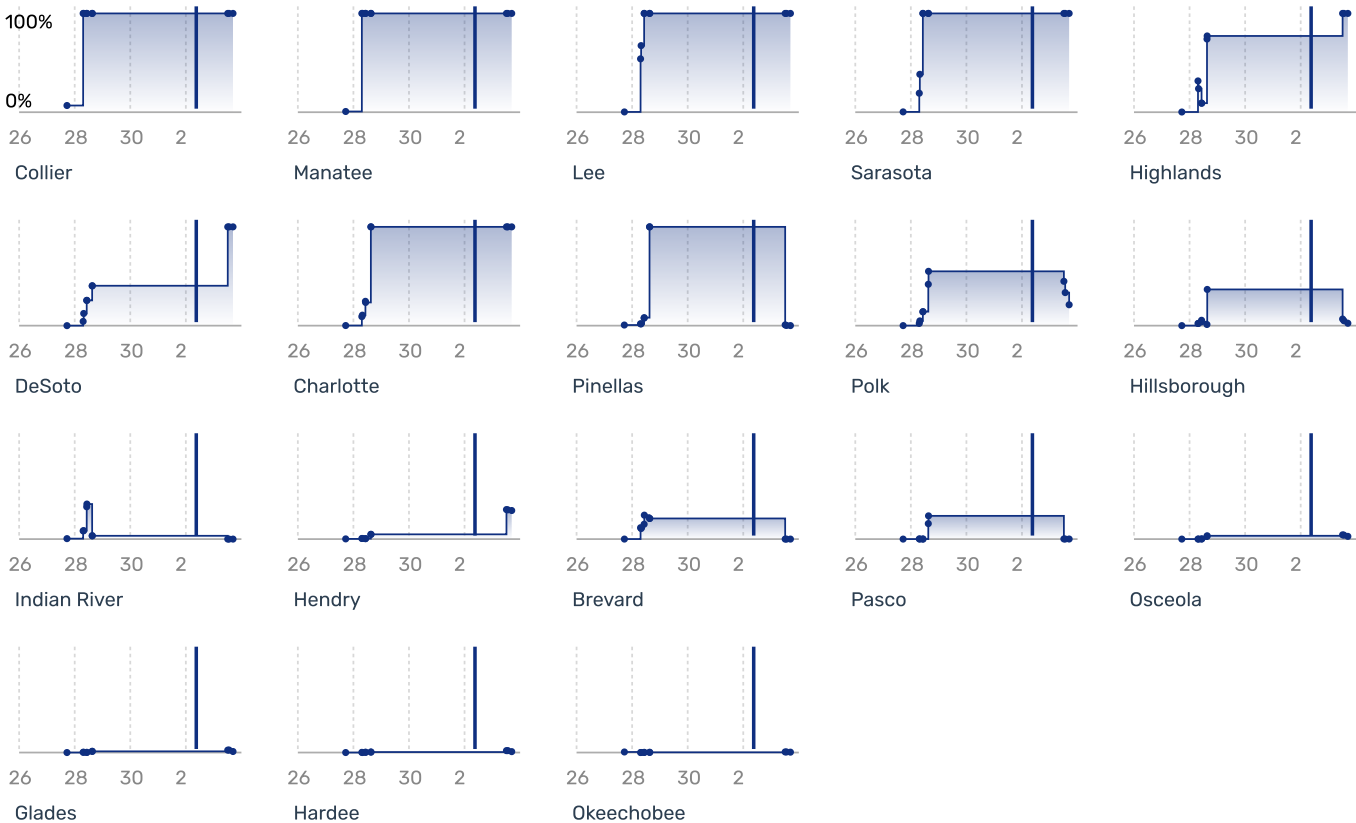
Power outages on Oct 2, 2022 at 16:00 with place selections.

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.
Charlotte County	185,926	74,548	40%	10%	46,258	2632	0.0263
Sarasota County	427,766	156,983	37%	9%	112,710	4475	0.0447
Highlands County	104,574	37,320	36%	16%	768	2261	0.0226
Indian River County	156,964	51,701	33%	10%	100	1582	0.0158
Collier County	379,345	122,024	32%	11%	129,224	2579	0.0258
Lee County	756,570	215,942	29%	12%	295,394	6559	0.0656
Glades County	13,777	3,885	28%	15%	175	84	0.0008
Manatee County	393,847	108,468	28%	11%	61,957	3363	0.0336
Pinellas County	970,985	241,177	25%	11%	77,165	8593	0.0859
Brevard County	594,001	140,835	24%	11%	4,430	6617	0.0662
Pasco County	539,885	122,017	23%	12%	4,688	6131	0.0613
DeSoto County	37,371	8,317	22%	25%	1,734	403	0.0040
Polk County	705,735	143,067	20%	15%	4,863	6872	0.0687
Okeechobee County	41,611	8,216	20%	16%	30	557	0.0056
Hardee County	27,027	4,371	16%	23%	834	304	0.0030
Hillsborough County	1,451,358	206,825	14%	14%	31,237	9404	0.0940
Hendry County	41,472	5,601	14%	26%	506	278	0.0028
Osceola County	363,666	47,588	13%	13%	1,555	2134	0.0213

Power Outages

Places

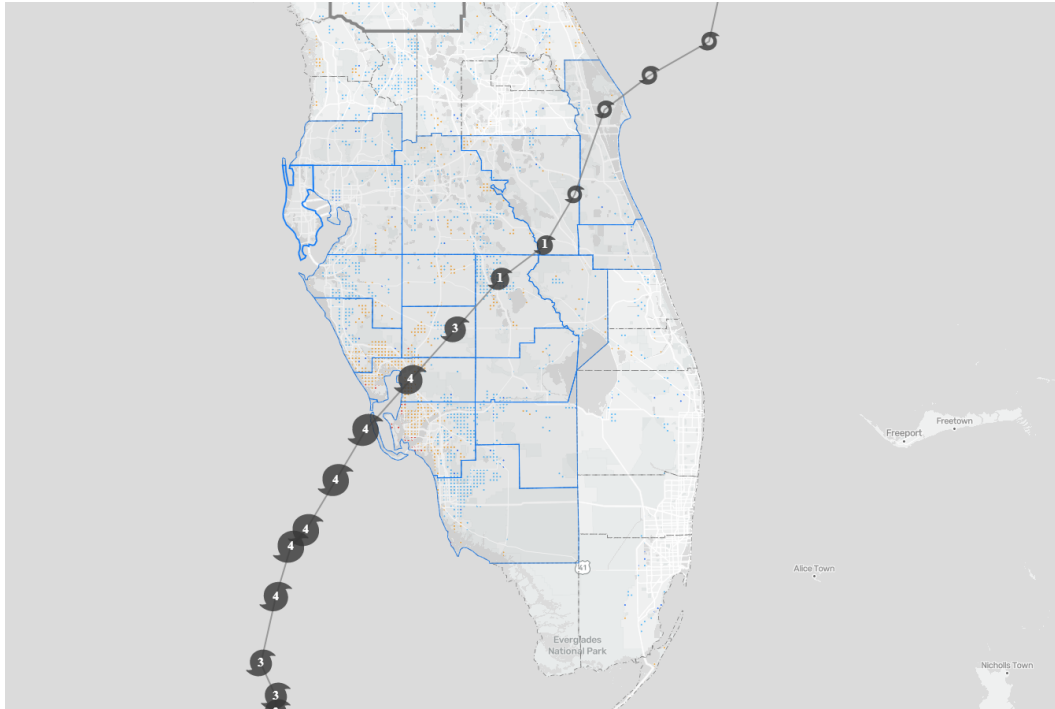


Notes

Power outages have continued to affected a very large portion of southwest Florida, with counties including Collier, Manatee, Lee, Sarasota, Charlotte, and Pinellas seeing outage rates at 100% of customers. DeSoto and Highlands counties have seen outage numbers rise to 100% days after landfall.

MOVEMENT

% Pop. Density Change on Oct 2, 2022 at 16:00



Facebook Mobility Data

- 50%+
- 50 to -10%
- 10 to 50%
- 50%+

% Pop. Density Change on Oct 2, 2022 at 16:00 with place selections.

Population Density on Oct 2, 2022 at 16:00

Location	Baseline Pop.	Current Crisis Pop.	Pop. Density vs. Baseline ▼	Confidence Level
Hendry County	7061	8005	13%	N/A
Glades County	2284	2572	13%	N/A
Highlands County	18075	20000	11%	N/A
Hillsborough County	302433	328563	9%	N/A
Okeechobee County	7355	7922	8%	N/A
Collier County	64209	68768	7%	N/A
Manatee County	82315	87139	6%	N/A
Polk County	171002	178081	4%	N/A
Brevard County	121012	125344	4%	N/A
Indian River County	26212	27090	3%	N/A
Pasco County	129530	133856	3%	N/A
Pinellas County	191693	191866	0%	N/A
Osceola County	106702	106510	0%	N/A
DeSoto County	6004	5869	-2%	N/A
Sarasota County	79854	77043	-4%	N/A
Hardee County	3906	3633	-7%	N/A
Lee County	157097	135308	-14%	N/A
Charlotte County	38038	28182	-26%	N/A

% Pop. Density Change Over Time



Notes

While reductions in population measured through Facebook were exceptionally sharp at the point of landfall, on the order of 65% in Lee and Charlotte counties, and 50% in Sarasota, rates of return even to the most affected areas have been remarkably rapid. DeSoto and Sarasota counties, for instance, had nearly returned to baseline by the end of October 2nd.

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 4, 2022 at 11:18