

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

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

01 Disaster

02 Movement

03 Vulnerability

Summary

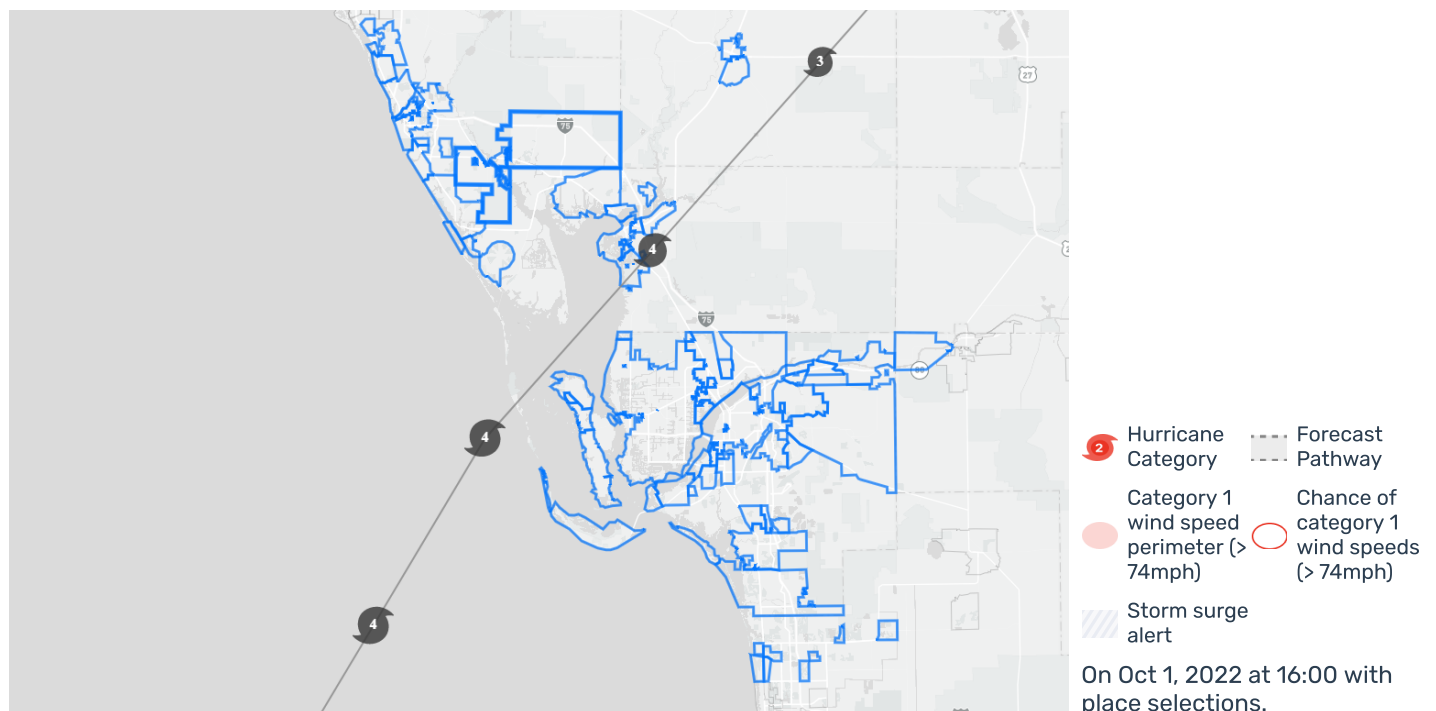
This report offers a granular view of population movement and vulnerability dynamics for areas of coastal southwest Florida impacted by Hurricane Ian.

As of October 1st the areas showing the greatest decrease in population include Fort Myers Beach (-94%), St. James City (-93%), and Pine Island Center (-93%). These areas show no current signs of return, given the level of infrastructure damage sustain.

Evacuations throughout the region were substantial and widespread, with many cities and towns still reduced by 10% or more as of Oct 1st. Many areas, however, have seen significant rates of return already, with increases above baseline in some cases. Most notable among these areas is the mid-sized town of Lehigh Acres, which is currently above baseline by 9% with an increase of nearly 2000 people detected in the Facebook data.

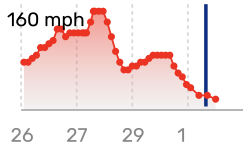
DISASTER

Hurricane Path on Oct 1, 2022 at 16:00



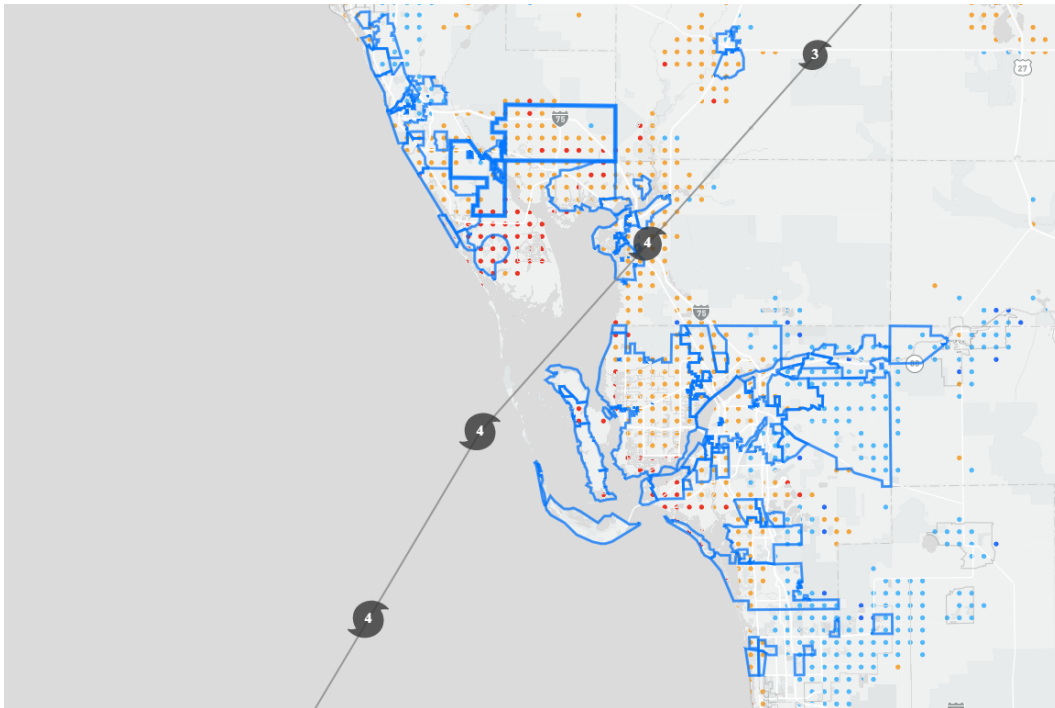
Wind Speed Over Time

Hurricane Ian



MOVEMENT

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



Facebook Mobility Data

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

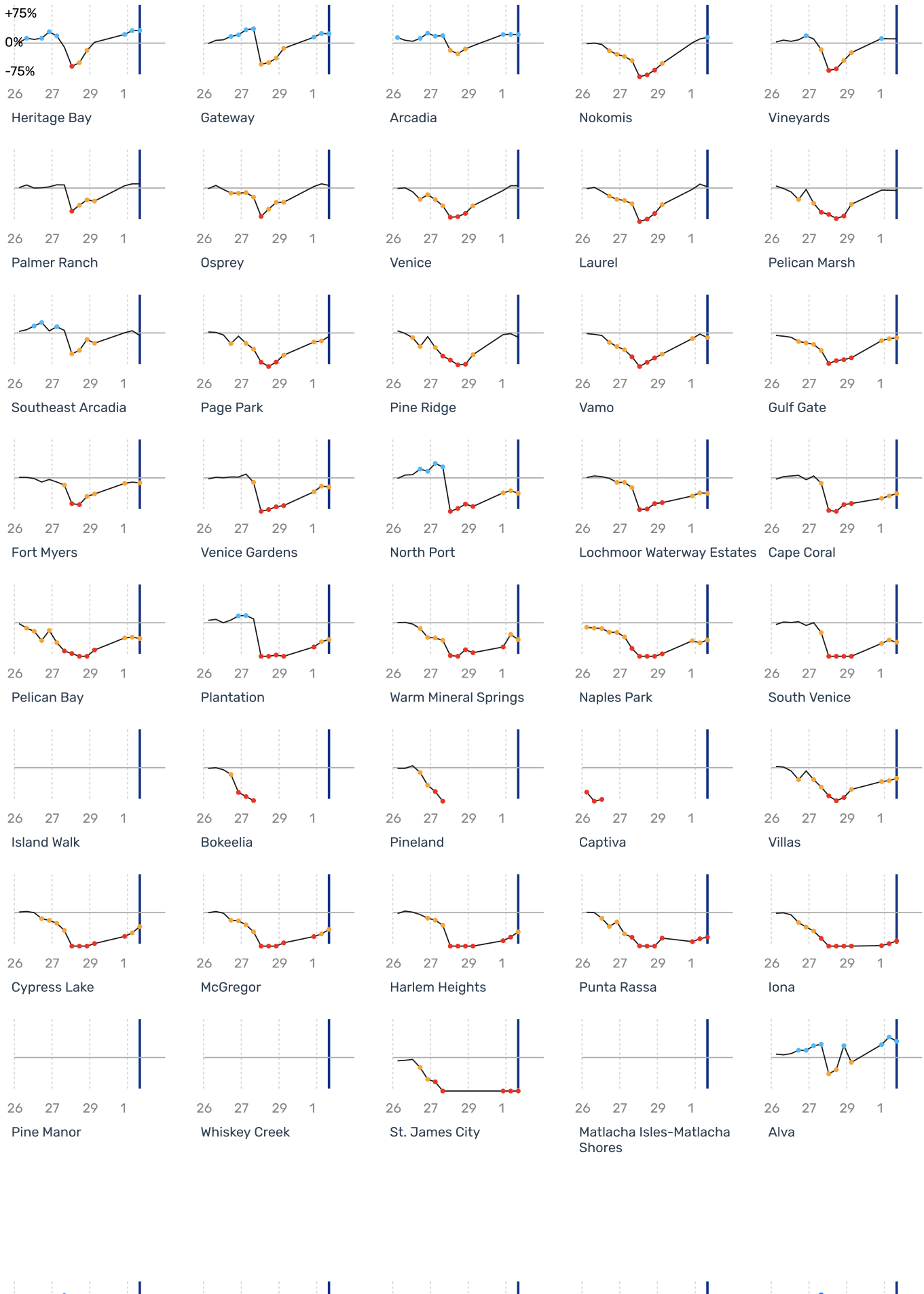
% Pop. Density Change on Oct 1, 2022 at 16:00 with place selections.

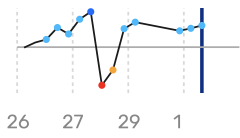
Population Density on Oct 1, 2022 at 16:00

Location	Baseline Pop.	Current Crisis Pop.	Pop. Density vs. Baseline ▼	Confidence Level
Hendry County	6972	7938	14%	N/A
Collier County	63828	65992	3%	N/A
Sarasota County	79887	72290	-10%	N/A
DeSoto County	5981	5265	-12%	N/A
Lee County	154907	125351	-19%	N/A
Charlotte County	37877	22738	-40%	N/A
Heritage Bay	136	175	28%	N/A
Gateway	2208	2670	21%	N/A
Arcadia	412	491	19%	N/A
Nokomis	497	561	13%	N/A
Vineyards	364	399	10%	N/A
Palmer Ranch	1348	1475	9%	N/A
Osprey	752	797	6%	N/A
Venice	3881	4083	5%	N/A
Laurel	1904	1957	3%	N/A
Pelican Marsh	1036	980	-5%	N/A
Southeast Arcadia	1416	1333	-6%	N/A
Page Park	886	816	-8%	N/A
Pine Ridge	934	843	-10%	N/A
Vamo	542	486	-10%	N/A
Gulf Gate	1038	925	-11%	N/A
Fort Myers	22254	19777	-11%	N/A
Venice Gardens	754	602	-20%	N/A
North Port	13770	9039	-34%	N/A
Lochmoor Waterway Estates	704	461	-35%	N/A
Cape Coral	43373	28114	-35%	N/A
Pelican Bay	612	396	-35%	N/A
Plantation	342	214	-37%	N/A
Warm Mineral Springs	287	179	-38%	N/A
Naples Park	681	418	-39%	N/A
South Venice	1690	955	-43%	N/A
Island Walk	N/A	N/A	N/A	N/A
Bokeelia	N/A	N/A	N/A	N/A
Pineland	N/A	N/A	N/A	N/A
Captiva	N/A	N/A	N/A	N/A
Villas	2962	2253	-24%	N/A
Cypress Lake	888	610	-31%	N/A
McGregor	2765	1724	-38%	N/A
Harlem Heights	685	389	-43%	N/A
Punta Rassa	147	67	-55%	N/A

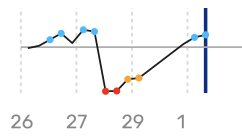
Location	Baseline Pop.	Current Crisis Pop.	Pop. Density vs. Baseline ▼	Confidence Level
Iona	2329	853	-63%	N/A
Pine Manor	N/A	N/A	N/A	N/A
Whiskey Creek	N/A	N/A	N/A	N/A
St. James City	207	15	-93%	N/A
Matlacha Isles-Matlacha Shores	N/A	N/A	N/A	N/A
Alva	443	603	36%	N/A
Orangetree	611	812	33%	N/A
Olga	341	405	19%	N/A
Verandah	243	281	16%	N/A
Fort Denaud	280	318	14%	N/A
Lehigh Acres	20883	22698	9%	N/A
Fort Myers Shores	707	718	2%	N/A
Bonita Springs	9002	8742	-3%	N/A
Buckingham	2056	1939	-6%	N/A
Estero	5494	5016	-9%	N/A
Florida Gulf Coast University	345	310	-10%	N/A
Cleveland	605	522	-14%	N/A
Charlotte Park	439	358	-18%	N/A
Harbour Heights	303	247	-19%	N/A
San Carlos Park	1701	1379	-19%	N/A
Englewood	3068	1930	-37%	N/A
Manasota Key	428	122	-71%	N/A
Matlacha	133	34	-74%	N/A
Pine Island Center	246	26	-89%	N/A
Palmona Park	N/A	N/A	N/A	N/A
Tice	897	572	-36%	N/A
Charleston Park	N/A	N/A	N/A	N/A
Three Oaks	1719	1432	-17%	N/A
Sanibel	N/A	N/A	N/A	N/A
Suncoast Estates	407	321	-21%	N/A
Solana	394	308	-22%	N/A
North Fort Myers	7637	5711	-25%	N/A
Punta Gorda	2571	1876	-27%	N/A
Charlotte Harbor	1584	1101	-31%	N/A
Port Charlotte	9189	4906	-47%	N/A
Grove City	159	73	-54%	N/A
Rotonda	1735	645	-63%	N/A
Fort Myers Beach	967	60	-94%	N/A
Burnt Store Marina	N/A	N/A	N/A	N/A

% Pop. Density Change Over Time

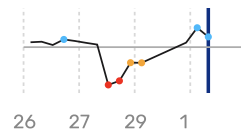




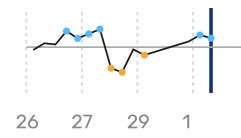
Orangetree



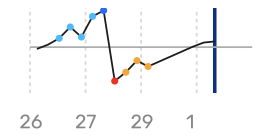
Olga



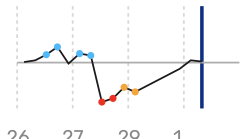
Verandah



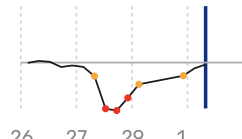
Fort Denaud



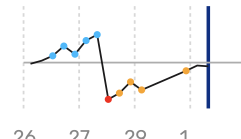
Lehigh Acres



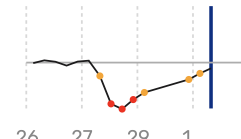
Fort Myers Shores



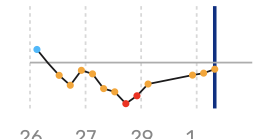
Bonita Springs



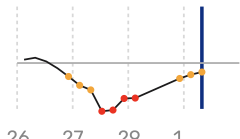
Buckingham



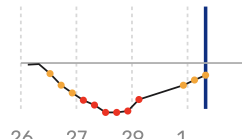
Estero



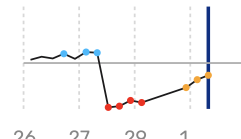
Florida Gulf Coast University



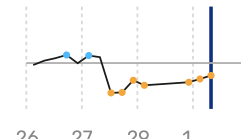
Cleveland



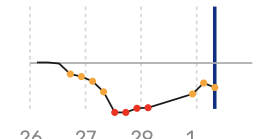
Charlotte Park



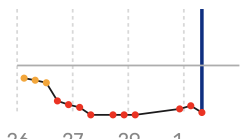
Harbour Heights



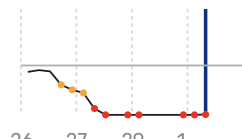
San Carlos Park



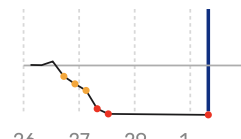
Englewood



Manasota Key



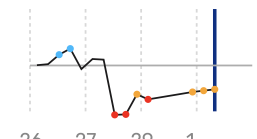
Matlacha



Pine Island Center



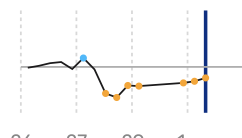
Palmona Park



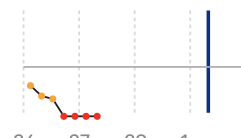
Tice



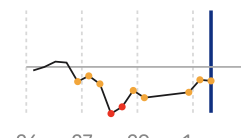
Charleston Park



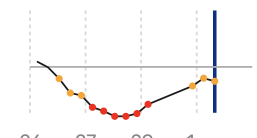
Three Oaks



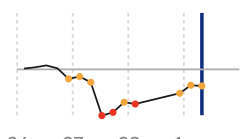
Sanibel



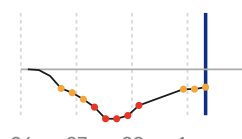
Suncoast Estates



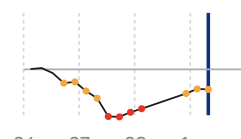
Solana



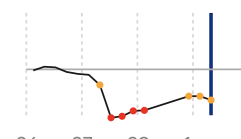
North Fort Myers



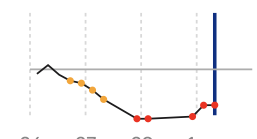
Punta Gorda



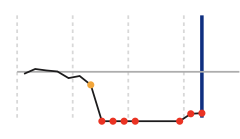
Charlotte Harbor



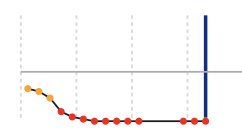
Port Charlotte



Grove City



Rotonda



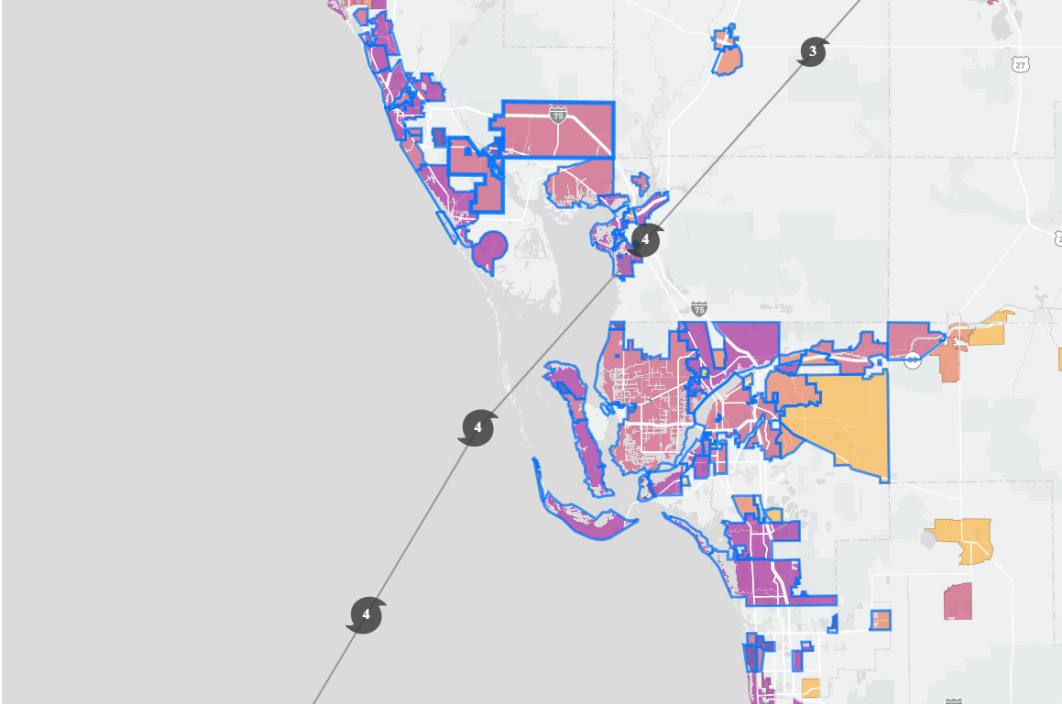
Fort Myers Beach



Burnt Store Marina

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.

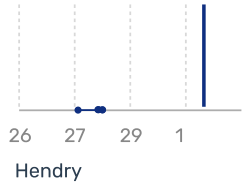
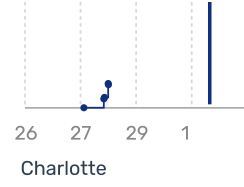
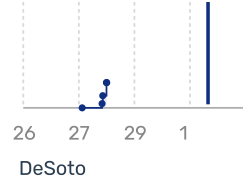
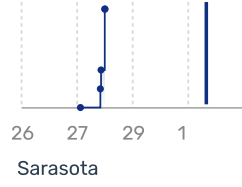
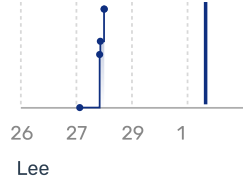
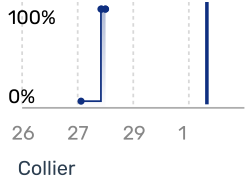
Demographics

Location	Total Pop.	Pop. > 65 yrs	% of Pop. > 65 yrs ▼	% of Pop. Below Poverty Level	Num. Customers Without Power	DME Users / 100K Pop.	DME Users / 100K Pop.
Charlotte County	185,926	74,548	40%	10%	0	2632	0.0263
Sarasota County	427,766	156,983	37%	9%	0	4475	0.0447
Collier County	379,345	122,024	32%	11%	0	2579	0.0258
Lee County	756,570	215,942	29%	12%	0	6559	0.0656
DeSoto County	37,371	8,317	22%	25%	0	403	0.0040
Hendry County	41,472	5,601	14%	26%	0	278	0.0028
Punta Rassa	1,566	1,399	89%	3%	0	N/A	N/A
Pelican Bay	6,257	5,138	82%	4%	0	N/A	N/A
Heritage Bay	1,273	958	75%	2%	0	N/A	N/A
Manasota Key	1,592	1,187	75%	5%	0	N/A	N/A
Burnt Store Marina	2,140	1,576	74%	3%	0	N/A	N/A
Warm Mineral Springs	5,267	3,721	71%	11%	0	N/A	N/A
Plantation	4,857	3,430	71%	2%	0	N/A	N/A
Pineland	266	179	67%	3%	0	N/A	N/A
Pelican Marsh	2,257	1,497	66%	6%	0	N/A	N/A
Verandah	1,291	801	62%	6%	0	N/A	N/A
Venice	23,572	14,592	62%	7%	0	N/A	N/A
Vineyards	3,407	2,086	61%	4%	0	N/A	N/A
Englewood	19,332	11,185	58%	8%	0	N/A	N/A
Iona	13,588	7,850	58%	9%	0	N/A	N/A
Vamo	2,679	1,542	58%	9%	0	N/A	N/A
Cleveland	2,689	1,537	57%	11%	0	N/A	N/A
Sanibel	7,378	4,184	57%	8%	0	N/A	N/A
Rotonda	10,117	5,634	56%	7%	0	N/A	N/A
Charlotte Harbor	4,619	2,496	54%	16%	0	N/A	N/A
Fort Myers Beach	7,102	3,779	53%	7%	0	N/A	N/A
Charlotte Park	1,893	1,000	53%	11%	0	N/A	N/A
Palmer Ranch	13,802	7,285	53%	3%	0	N/A	N/A
Bokeelia	1,536	800	52%	14%	0	N/A	N/A
Estero	33,450	17,402	52%	7%	0	N/A	N/A
Charleston Park	154	78	51%	3%	0	N/A	N/A
Matlacha	853	432	51%	11%	0	N/A	N/A
Punta Gorda	20,044	10,111	50%	9%	0	N/A	N/A
Island Walk	2,802	1,331	48%	7%	0	N/A	N/A
North Fort Myers	42,315	19,921	47%	13%	0	N/A	N/A
St. James City	3,510	1,534	44%	10%	0	N/A	N/A
Cypress Lake	12,766	5,366	42%	7%	0	N/A	N/A
Laurel	12,153	5,078	42%	4%	0	N/A	N/A
McGregor	7,899	3,242	41%	6%	0	N/A	N/A
Bonita Springs	57,755	23,445	41%	8%	0	N/A	N/A

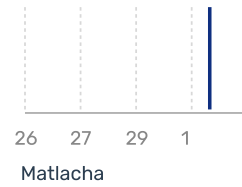
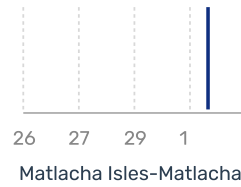
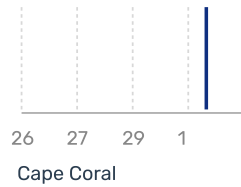
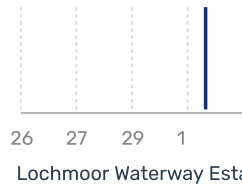
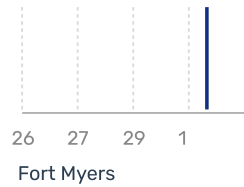
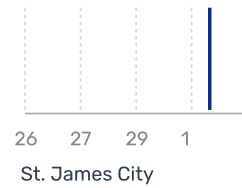
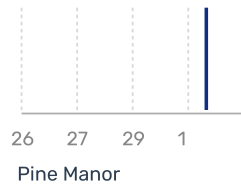
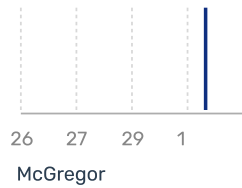
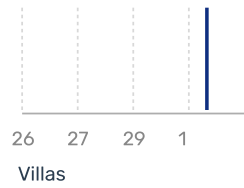
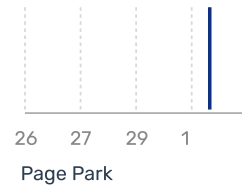
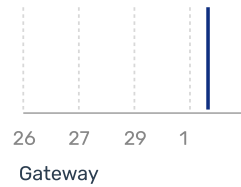
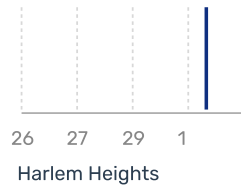
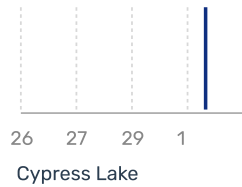
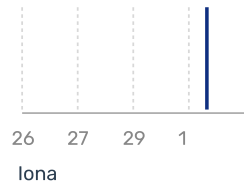
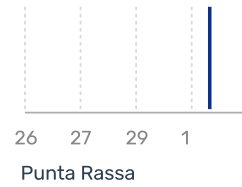
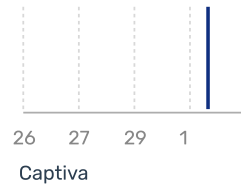
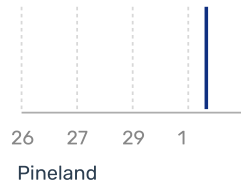
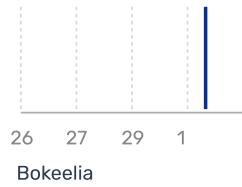
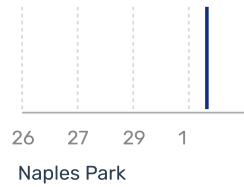
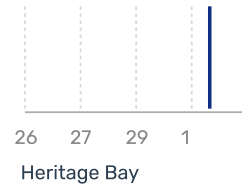
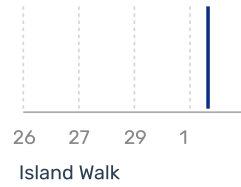
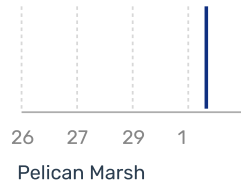
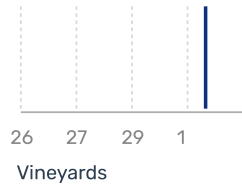
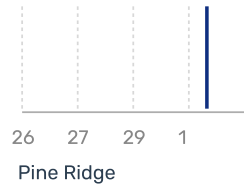
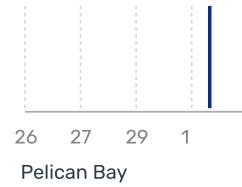
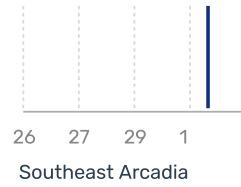
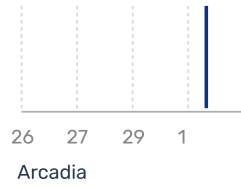
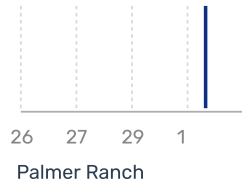
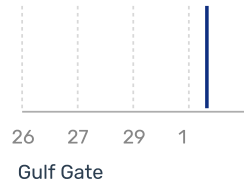
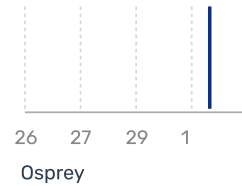
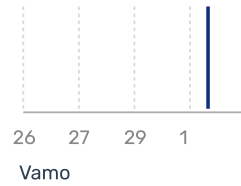
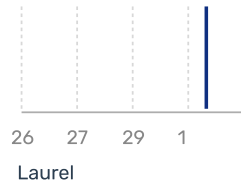
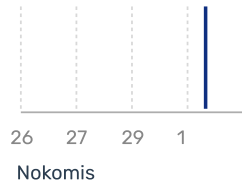
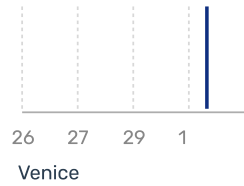
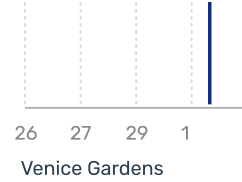
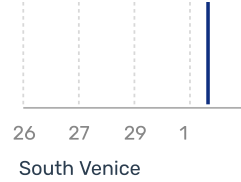
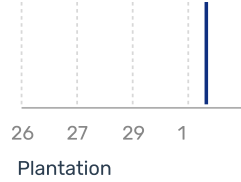
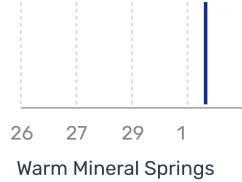
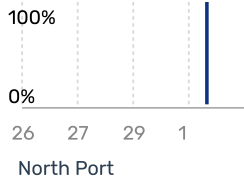
Location	Total Pop.	Pop. > 65 yrs	% of Pop. > 65 yrs ▼	% of Pop. Below Poverty Level	Num. Customers Without Power	DME Users	DME Users / 100K Pop.
Grove City	2,009	805	40%	16%	0	N/A	N/A
Osprey	6,218	2,273	37%	8%	0	N/A	N/A
Port Charlotte	64,335	21,536	33%	12%	0	N/A	N/A
Naples Park	6,151	1,998	32%	10%	0	N/A	N/A
Whiskey Creek	5,508	1,785	32%	10%	0	N/A	N/A
Lochmoor Waterway Estates	4,995	1,604	32%	5%	0	N/A	N/A
Fort Denaud	2,017	647	32%	9%	0	N/A	N/A
Gulf Gate	8,521	2,649	31%	12%	0	N/A	N/A
Pine Island Center	2,255	699	31%	12%	0	N/A	N/A
Matlacha Isles-Matlacha Shores	339	104	31%	0%	0	N/A	N/A
Alva	3,013	887	29%	7%	0	N/A	N/A
Villas	14,421	4,188	29%	6%	0	N/A	N/A
Captiva	165	47	28%	59%	0	N/A	N/A
Harbour Heights	3,850	1,030	27%	15%	0	N/A	N/A
North Port	68,779	18,364	27%	7%	0	N/A	N/A
South Venice	16,555	4,346	26%	7%	0	N/A	N/A
Venice Gardens	3,484	899	26%	8%	0	N/A	N/A
Cape Coral	189,633	45,425	24%	10%	0	N/A	N/A
Nokomis	4,084	929	23%	11%	0	N/A	N/A
Fort Myers	83,505	18,541	22%	16%	0	N/A	N/A
Pine Ridge	1,769	390	22%	3%	0	N/A	N/A
Olga	2,773	572	21%	4%	0	N/A	N/A
Buckingham	4,269	849	20%	5%	0	N/A	N/A
Orangetree	4,231	836	20%	0%	0	N/A	N/A
Gateway	10,552	1,816	17%	4%	0	N/A	N/A
Fort Myers Shores	6,745	1,069	16%	10%	0	N/A	N/A
Solana	1,339	203	15%	10%	0	N/A	N/A
San Carlos Park	18,256	2,669	15%	11%	0	N/A	N/A
Suncoast Estates	4,759	679	14%	22%	0	N/A	N/A
Arcadia	8,187	1,125	14%	29%	0	N/A	N/A
Southeast Arcadia	8,859	1,201	14%	31%	0	N/A	N/A
Lehigh Acres	124,523	15,173	12%	19%	0	N/A	N/A
Palmona Park	754	83	11%	28%	0	N/A	N/A
Tice	5,379	490	9%	24%	0	N/A	N/A
Three Oaks	5,362	441	8%	10%	0	N/A	N/A
Pine Manor	4,582	354	8%	42%	0	N/A	N/A
Page Park	621	42	7%	30%	0	N/A	N/A
Harlem Heights	1,362	68	5%	44%	0	N/A	N/A
Florida Gulf Coast University	2,507	N/A	0%	0%	0	N/A	N/A

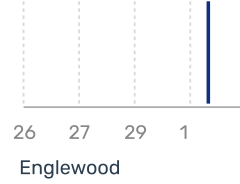
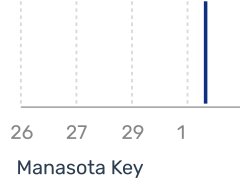
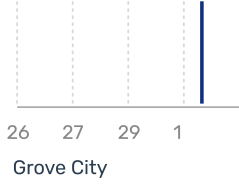
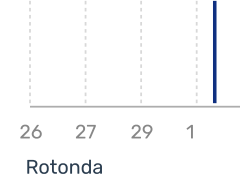
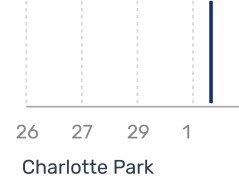
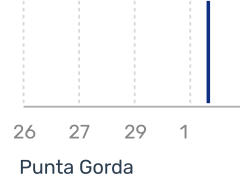
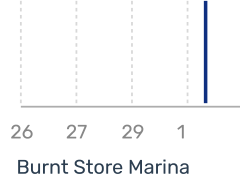
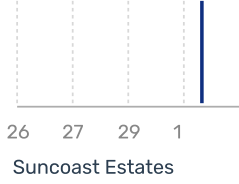
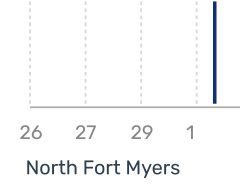
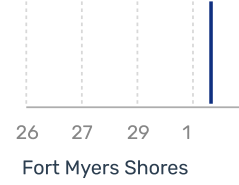
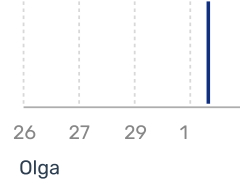
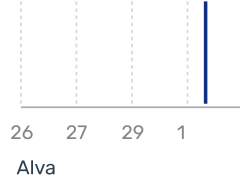
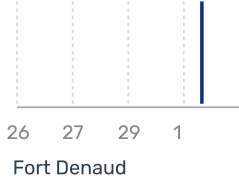
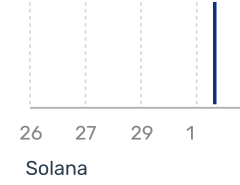
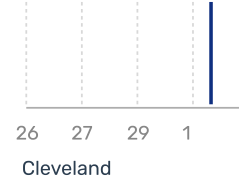
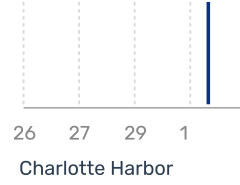
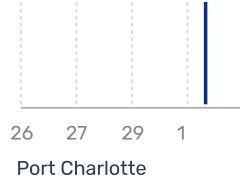
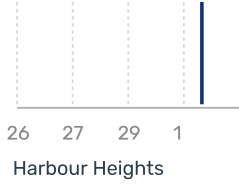
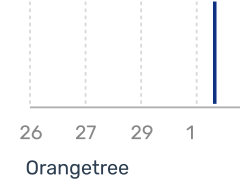
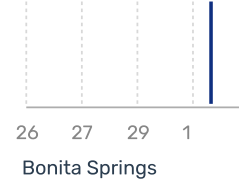
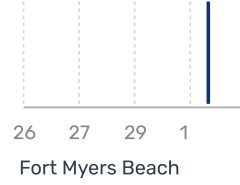
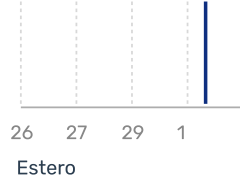
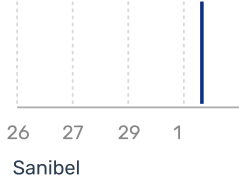
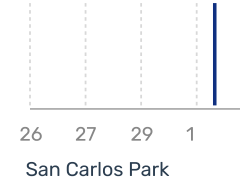
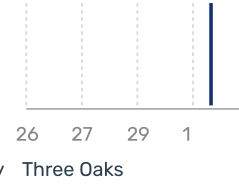
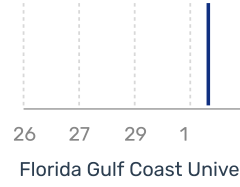
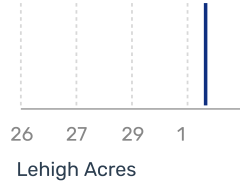
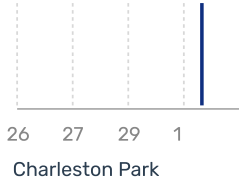
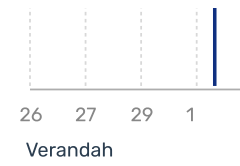
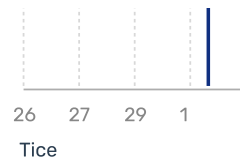
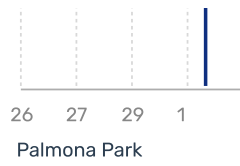
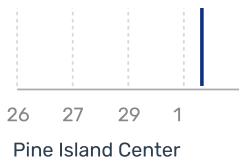
Power Outages

Counties



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 12:48