

Hurricane Ian Situation Report for Sep 28, 2022 at 16:00

Data last updated on Sep 29, 2022 at 16:00

01 Disaster

02 Movement

03 Vulnerability

Summary

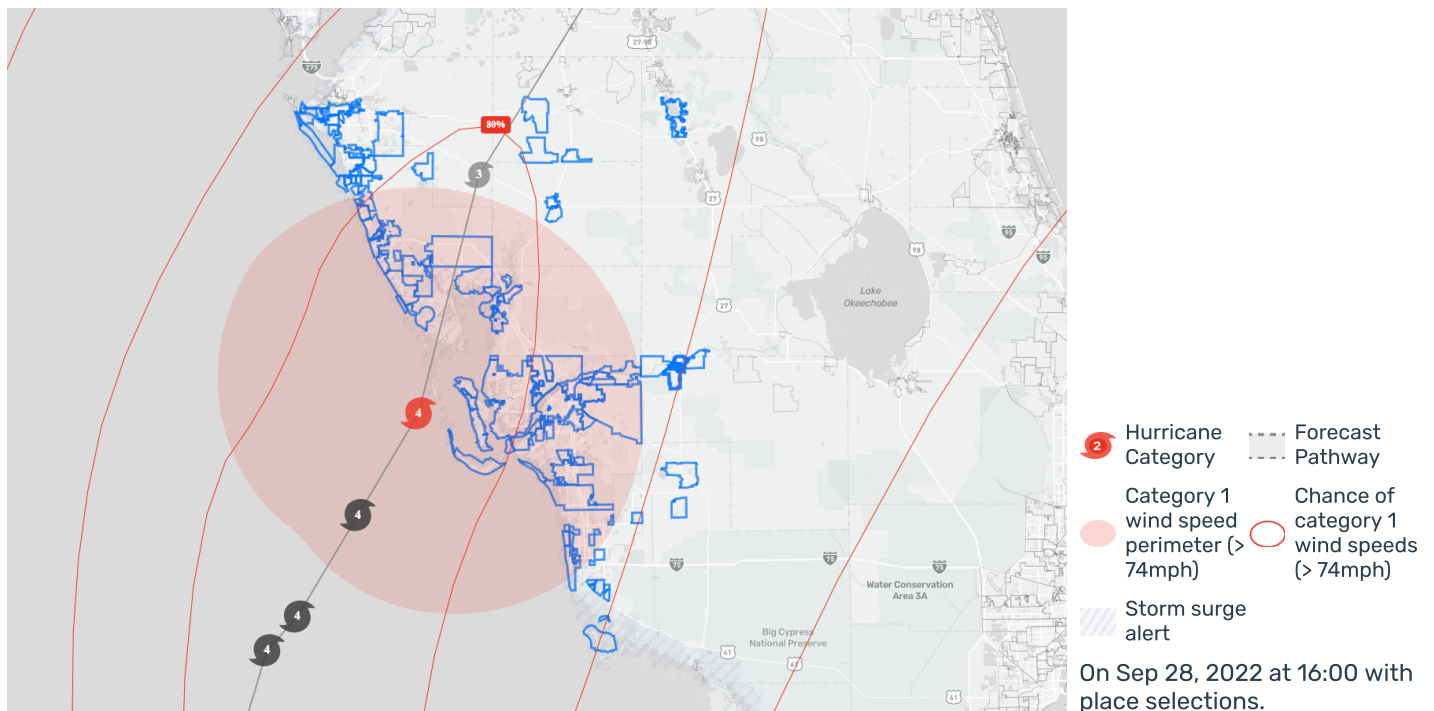
As Hurricane Ian made landfall near the counties of Charlotte and Lee, widespread reductions in population could be detected throughout the area. Charlotte and Lee saw population reductions between 65% and 74%. These reductions, however, took place only in the final day prior to landfall. Using the Facebook data alone as a signal, we can detect more than 100,000 people remaining in the heavily flooded coastal counties of Charlotte, Lee, Sarasota, and DeSoto.

On the 28th, no town or municipality registered increasing population. On the low end, areas including Sebring and Lakewood Ranch showed declines between 1% and 22%. On the high end areas including Cape Coral and Port Charlotte showed declines of 74% or more.

Severe power outages, up to 100% of customers, affected Manatee, Collier, Lee, and Sarasota. Cumulatively those counties contain nearly 17,000 people registered as using power dependent medical devices.

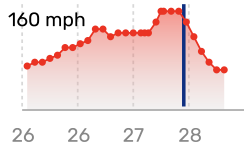
DISASTER

Hurricane Path on Sep 28, 2022 at 16:00



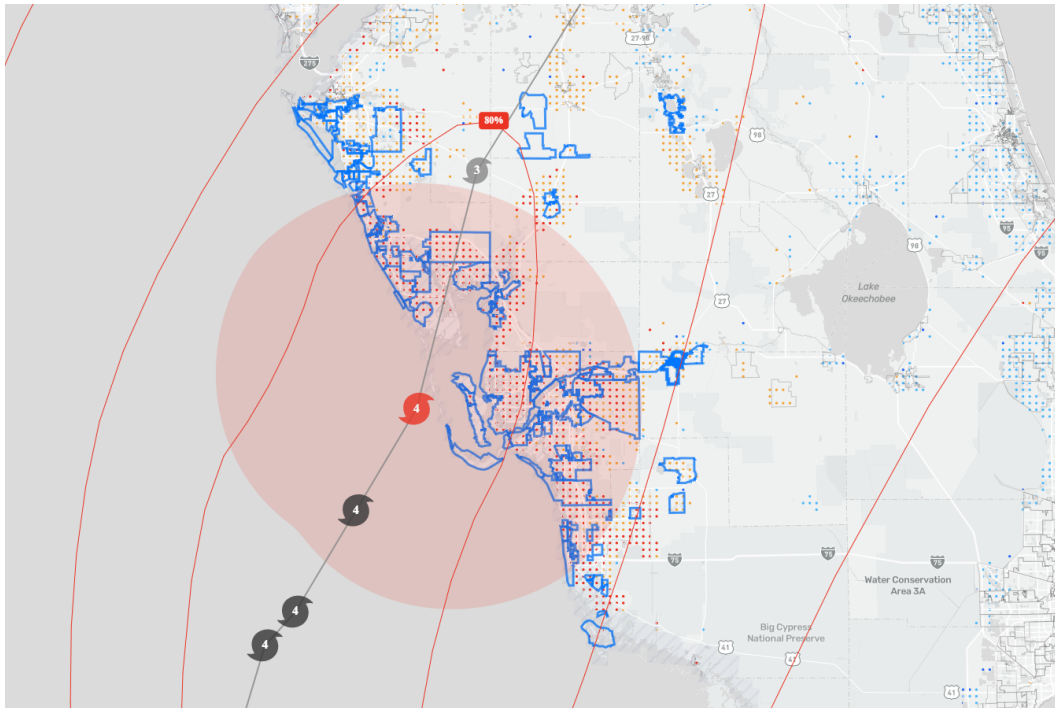
Wind Speed Over Time

Hurricane Ian



MOVEMENT

% Pop. Density Change on Sep 28, 2022 at 16:00



Facebook Mobility Data

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

% Pop. Density Change on Sep 28, 2022 at 16:00 with place selections.

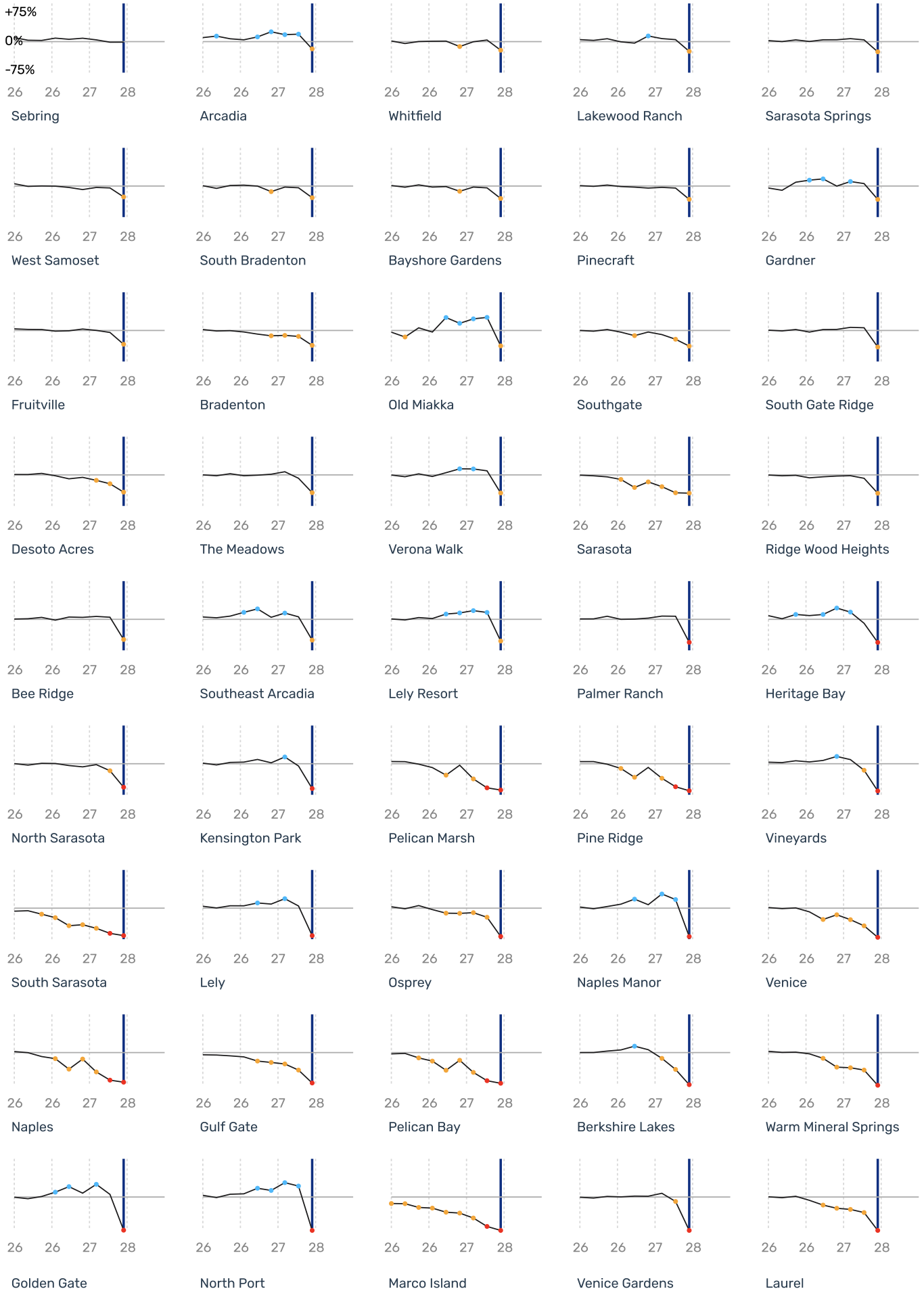
Population Density on Sep 28, 2022 at 16:00

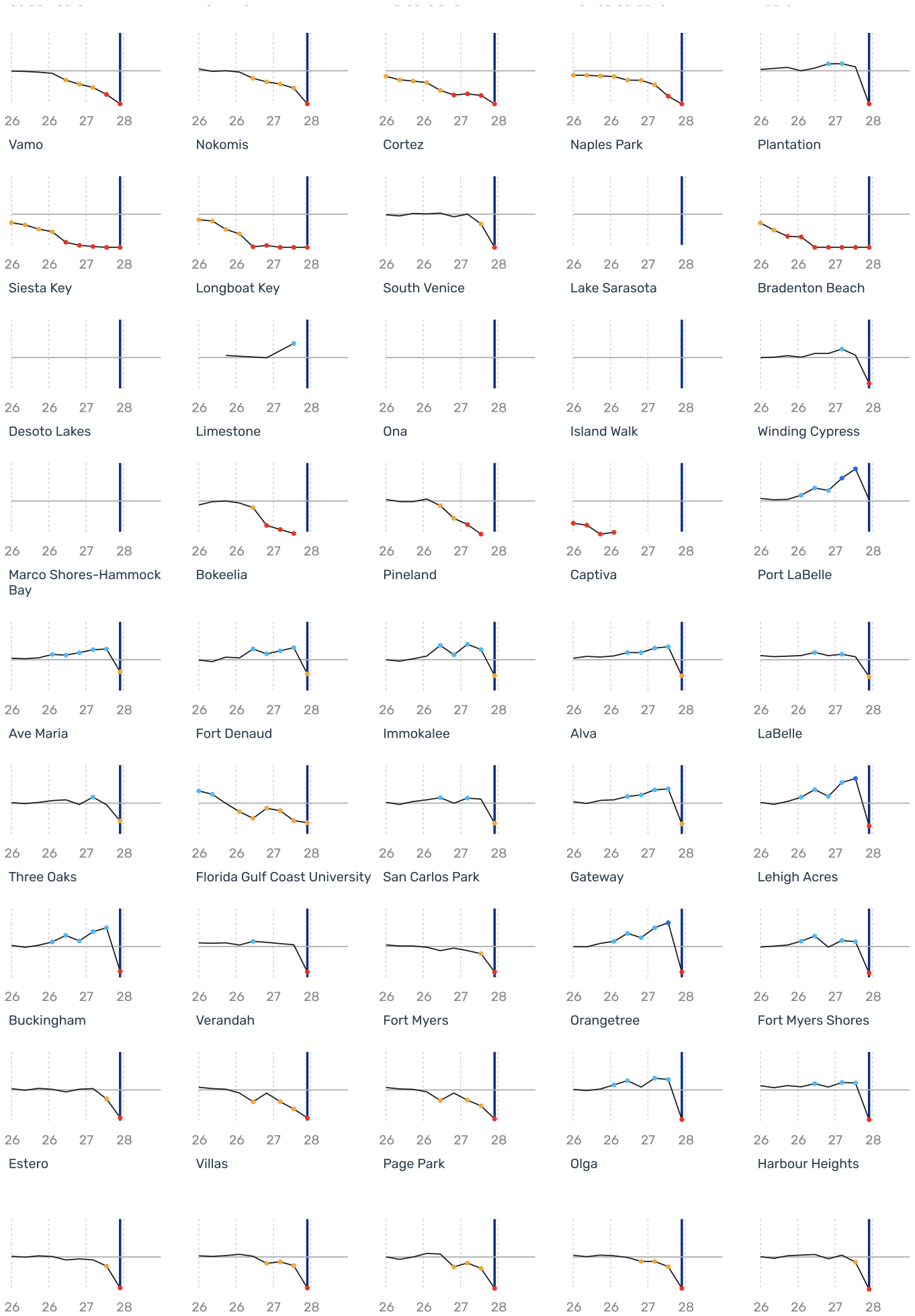
Location	Baseline Pop.	Current Crisis Pop.	Pop. Density vs. Baseline ▼	Confidence Level
Hendry County	6824	6428	-6%	N/A
Highlands County	17872	16726	-6%	N/A
Hardee County	3664	2884	-21%	N/A
Manatee County	81270	57661	-29%	N/A
DeSoto County	5582	3028	-46%	N/A
Sarasota County	78926	34199	-57%	N/A
Collier County	63975	26230	-59%	N/A
Lee County	157340	55179	-65%	N/A
Charlotte County	35730	9297	-74%	N/A
Sebring	2356	2327	-1%	N/A
Arcadia	397	332	-16%	N/A
Whitfield	1239	1000	-19%	N/A
Lakewood Ranch	7998	6256	-22%	N/A
Sarasota Springs	2410	1860	-23%	N/A
West Samoset	1696	1282	-24%	N/A
South Bradenton	2176	1606	-26%	N/A
Bayshore Gardens	1758	1267	-28%	N/A
Pinecraft	1108	778	-30%	N/A
Gardner	19	13	-30%	N/A
Fruitville	3490	2408	-31%	N/A
Bradenton	9008	6000	-33%	N/A
Old Miakka	232	152	-35%	N/A
Southgate	1056	686	-35%	N/A
South Gate Ridge	1062	668	-37%	N/A
Desoto Acres	752	461	-39%	N/A
The Meadows	672	404	-40%	N/A
Verona Walk	321	190	-41%	N/A
Sarasota	10386	6128	-41%	N/A
Ridge Wood Heights	987	580	-41%	N/A
Bee Ridge	1752	958	-45%	N/A
Southeast Arcadia	1388	740	-47%	N/A
Lely Resort	795	408	-49%	N/A
Palmer Ranch	1445	699	-52%	N/A
Heritage Bay	143	69	-52%	N/A
North Sarasota	1201	568	-53%	N/A
Kensington Park	1136	503	-56%	N/A
Pelican Marsh	989	405	-59%	N/A
Pine Ridge	814	320	-61%	N/A
Vineyards	384	150	-61%	N/A
South Sarasota	543	209	-62%	N/A

Location	Baseline Pop.	Current Crisis Pop.	Pop. Density vs. Baseline ▼	Confidence Level
Lely	586	224	-62%	N/A
Osprey	782	285	-64%	N/A
Naples Manor	811	294	-64%	N/A
Venice	3886	1341	-65%	N/A
Naples	2172	728	-66%	N/A
Gulf Gate	975	310	-68%	N/A
Pelican Bay	539	168	-69%	N/A
Berkshire Lakes	797	223	-72%	N/A
Warm Mineral Springs	297	79	-73%	N/A
Golden Gate	1657	423	-74%	N/A
North Port	13874	3420	-75%	N/A
Marco Island	2739	633	-77%	N/A
Venice Gardens	784	179	-77%	N/A
Laurel	1890	418	-78%	N/A
Vamo	559	108	-81%	N/A
Nokomis	513	96	-81%	N/A
Cortez	1216	205	-83%	N/A
Naples Park	638	104	-84%	N/A
Plantation	349	56	-84%	N/A
Siesta Key	1260	201	-84%	N/A
Longboat Key	221	34	-84%	N/A
South Venice	1750	236	-87%	N/A
Lake Sarasota	N/A	N/A	N/A	N/A
Bradenton Beach	286	13	-95%	N/A
Desoto Lakes	N/A	N/A	N/A	N/A
Limestone	N/A	N/A	N/A	N/A
Ona	N/A	N/A	N/A	N/A
Island Walk	N/A	N/A	N/A	N/A
Winding Cypress	266	111	-58%	N/A
Marco Shores-Hammock Bay	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
Port LaBelle	1007	1037	3%	N/A
Ave Maria	1184	860	-27%	N/A
Fort Denaud	283	192	-32%	N/A
Immokalee	3730	2380	-36%	N/A
Alva	435	276	-37%	N/A
LaBelle	780	480	-38%	N/A
Three Oaks	1776	1061	-40%	N/A
Florida Gulf Coast University	380	211	-44%	N/A
San Carlos Park	1816	992	-45%	N/A

Location	Baseline Pop.	Current Crisis Pop.	Pop. Density vs. Baseline ▼	Confidence Level
Gateway	2342	1237	-47%	N/A
Lehigh Acres	21589	10479	-51%	N/A
Buckingham	2154	951	-56%	N/A
Verandah	251	107	-57%	N/A
Fort Myers	22723	9603	-58%	N/A
Orangetree	644	271	-58%	N/A
Fort Myers Shores	728	292	-60%	N/A
Estero	5594	2089	-63%	N/A
Villas	3037	1123	-63%	N/A
Page Park	928	321	-65%	N/A
Olga	356	117	-67%	N/A
Harbour Heights	315	103	-67%	N/A
Bonita Springs	9105	2722	-70%	N/A
North Fort Myers	7864	2341	-70%	N/A
Suncoast Estates	422	123	-71%	N/A
Lochmoor Waterway Estates	719	209	-71%	N/A
Cape Coral	44507	12097	-73%	N/A
Punta Rassa	142	36	-75%	N/A
Cypress Lake	925	207	-78%	N/A
McGregor	2768	581	-79%	N/A
Harlem Heights	709	118	-83%	N/A
Iona	2313	294	-87%	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	N/A	N/A	N/A	N/A
Matlacha Isles-Matlacha Shores	N/A	N/A	N/A	N/A
Charlotte Harbor	1591	452	-72%	N/A
Port Charlotte	9388	2493	-73%	N/A
Pine Island Center	250	66	-74%	N/A
Solana	390	86	-78%	N/A
Charlotte Park	421	89	-79%	N/A
Matlacha	120	12	-90%	N/A
Palmona Park	N/A	N/A	N/A	N/A
Punta Gorda	2414	499	-79%	N/A
Tice	908	185	-80%	N/A
Charleston Park	N/A	N/A	N/A	N/A
Sanibel	N/A	N/A	N/A	N/A
Cleveland	625	167	-73%	N/A
Fort Myers Beach	808	44	-95%	N/A
Burnt Store Marina	N/A	N/A	N/A	N/A
Englewood	3043	420	-86%	N/A
Rotonda	1548	96	-94%	N/A

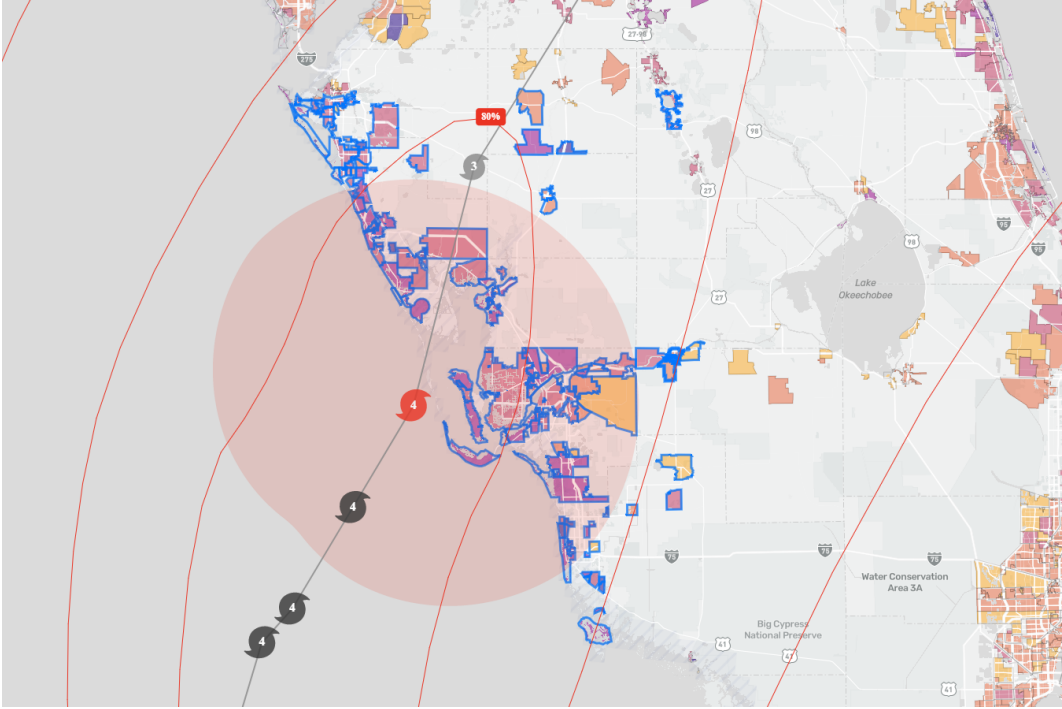
% Pop. Density Change Over Time



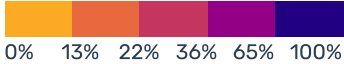


VULNERABILITY

Pop. > 65 yrs on Sep 28, 2022 at 16:00



% of Pop. > 65 yrs



Power outages on Sep 28, 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
Highlands County	104,574	37,320	36%	16%	0	2261	0.0226
Collier County	379,345	122,024	32%	11%	0	2579	0.0258
Lee County	756,570	215,942	29%	12%	0	6559	0.0656
Manatee County	393,847	108,468	28%	11%	0	3363	0.0336
DeSoto County	37,371	8,317	22%	25%	0	403	0.0040
Hardee County	27,027	4,371	16%	23%	0	304	0.0030
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
Winding Cypress	415	316	76%	37%	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
Gardner	367	253	69%	9%	0	N/A	N/A
Longboat Key	7,299	5,024	69%	4%	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
The Meadows	5,235	3,461	66%	5%	0	N/A	N/A
Verona Walk	2,630	1,733	66%	8%	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
Limestone	320	193	60%	15%	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
Marco Island	17,963	10,216	57%	6%	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
Bradenton Beach	902	497	55%	8%	0	N/A	N/A
Siesta Key	5,587	3,069	55%	5%	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

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.
Bokeelia	1,536	800	52%	14%	0	N/A	N/A
Estero	33,450	17,402	52%	7%	0	N/A	N/A
Naples	21,750	11,041	51%	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
Marco Shores-Hammock Bay	724	356	49%	6%	0	N/A	N/A
Lely	3,553	1,727	49%	7%	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
Berkshire Lakes	2,476	1,093	44%	5%	0	N/A	N/A
St. James City	3,510	1,534	44%	10%	0	N/A	N/A
Cortez	5,088	2,202	43%	9%	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
Grove City	2,009	805	40%	16%	0	N/A	N/A
Osprey	6,218	2,273	37%	8%	0	N/A	N/A
Bee Ridge	10,283	3,751	36%	10%	0	N/A	N/A
Lely Resort	6,559	2,347	36%	13%	0	N/A	N/A
Port Charlotte	64,335	21,536	33%	12%	0	N/A	N/A
South Sarasota	4,993	1,669	33%	10%	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
Pinecraft	596	188	32%	19%	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
Lakewood Ranch	26,513	8,189	31%	7%	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
Sarasota	57,787	16,196	28%	15%	0	N/A	N/A
Old Miakka	1,486	403	27%	9%	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
Fruitville	14,178	3,708	26%	7%	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.
Venice Gardens	3,484	899	26%	8%	0	N/A	N/A
Sebring	10,454	2,695	26%	24%	0	N/A	N/A
Bradenton	57,346	14,286	25%	13%	0	N/A	N/A
Southgate	6,617	1,647	25%	8%	0	N/A	N/A
Bayshore Gardens	20,380	4,940	24%	16%	0	N/A	N/A
South Bradenton	24,885	5,988	24%	17%	0	N/A	N/A
Cape Coral	189,633	45,425	24%	10%	0	N/A	N/A
Ridge Wood Heights	4,856	1,143	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
Ave Maria	4,110	909	22%	22%	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
South Gate Ridge	6,095	1,254	21%	8%	0	N/A	N/A
Desoto Acres	1,153	232	20%	9%	0	N/A	N/A
Buckingham	4,269	849	20%	5%	0	N/A	N/A
LaBelle	5,186	1,029	20%	28%	0	N/A	N/A
Orangetree	4,231	836	20%	0%	0	N/A	N/A
Kensington Park	3,492	675	19%	8%	0	N/A	N/A
Sarasota Springs	13,053	2,327	18%	7%	0	N/A	N/A
Gateway	10,552	1,816	17%	4%	0	N/A	N/A
Whitfield	4,398	729	17%	8%	0	N/A	N/A
Ona	658	108	16%	40%	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
Desoto Lakes	1,907	283	15%	4%	0	N/A	N/A
San Carlos Park	18,256	2,669	15%	11%	0	N/A	N/A
North Sarasota	2,289	330	14%	40%	0	N/A	N/A
Suncoast Estates	4,759	679	14%	22%	0	N/A	N/A
Lake Sarasota	4,148	576	14%	6%	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
Naples Manor	6,391	733	11%	15%	0	N/A	N/A
Palmona Park	754	83	11%	28%	0	N/A	N/A
Golden Gate	30,376	3,016	10%	15%	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
West Samoset	7,191	522	7%	23%	0	N/A	N/A
Port LaBelle	5,189	357	7%	10%	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.
Immokalee	28,060	1,929	7%	32%	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

