# Practice Based Experience: Looking at How Grocery Store Locations Impact Food Insecurity

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#### **Overarching Assumptions**

- Poverty <u>IS</u> a challenge in our nation, state, and communities.
- We need a better definition in South Carolina of what defines and what causes\* poverty in our state.
- The final product should be accessible to all.





#### Poverty in South Carolina

Percent of Population Below Poverty

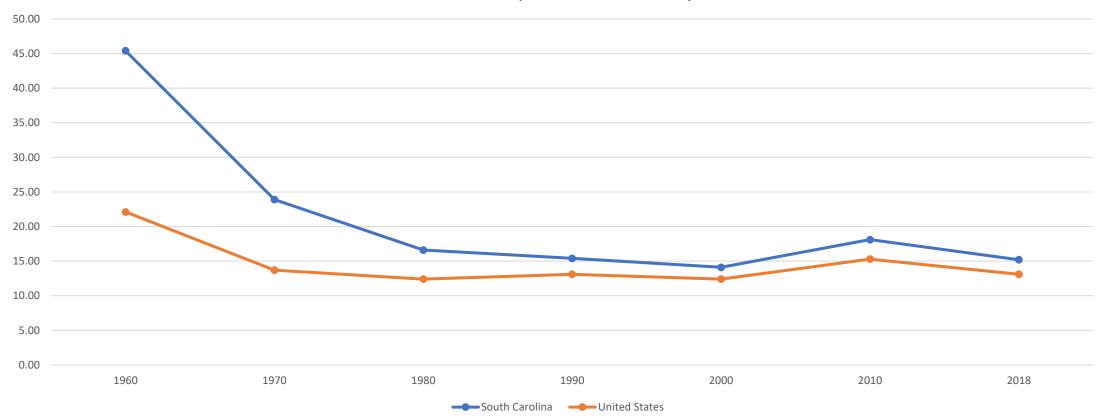


Figure 1

#### Social Determinants of Health

Economic Stability	Neighborhood and Physical Environment	Education	Food	Community and Social Context	Health Care System					
Employment Income Expenses Debt Medical bills Support	Housing Transportation Safety Parks Playgrounds Walkability Zip code / geography	Literacy Language Early childhood education Vocational training Higher education	Hunger Access to healthy options	Social integration Support systems Community engagement Discrimination Stress	Health coverage Provider availability Provider linguistic and cultural competency Quality of care					
Health Outcomes Mortality, Morbidity, Life Expectancy, Health Care Expenditures, Health Status, Functional Limitations										



Source: https://www.kff.org/disparities-policy/issue-brief/beyond-health-care-the-role-of-social-determinants-in-promoting-health-and-health-equity/

## Food Insecurity

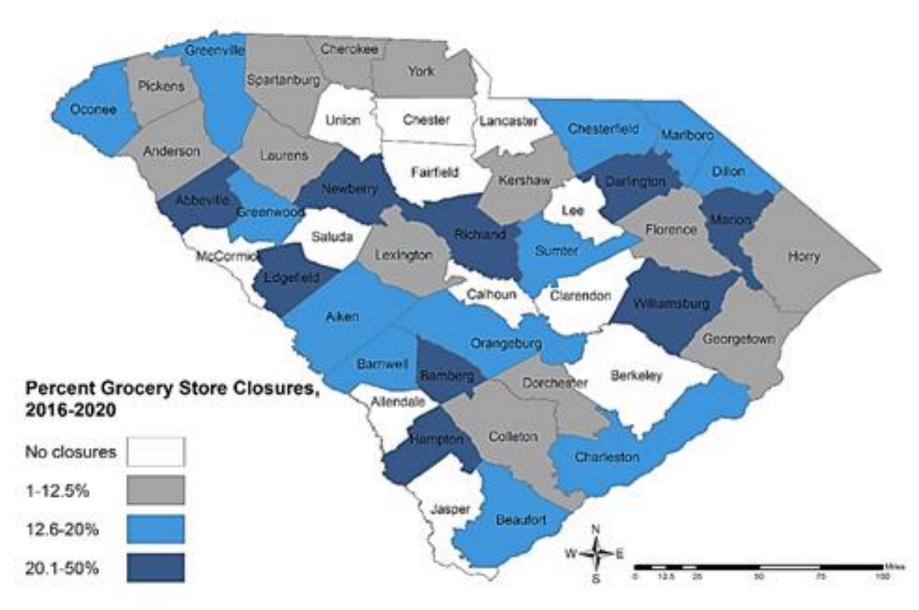
 Economic condition defined by lack of access to enough food to consistently support a household's nutritional needs

S.C. Food Insecurity Rates									
2019	10.8%								
2020 Projected	12.5%								

Source: Feeding America 2019-2020









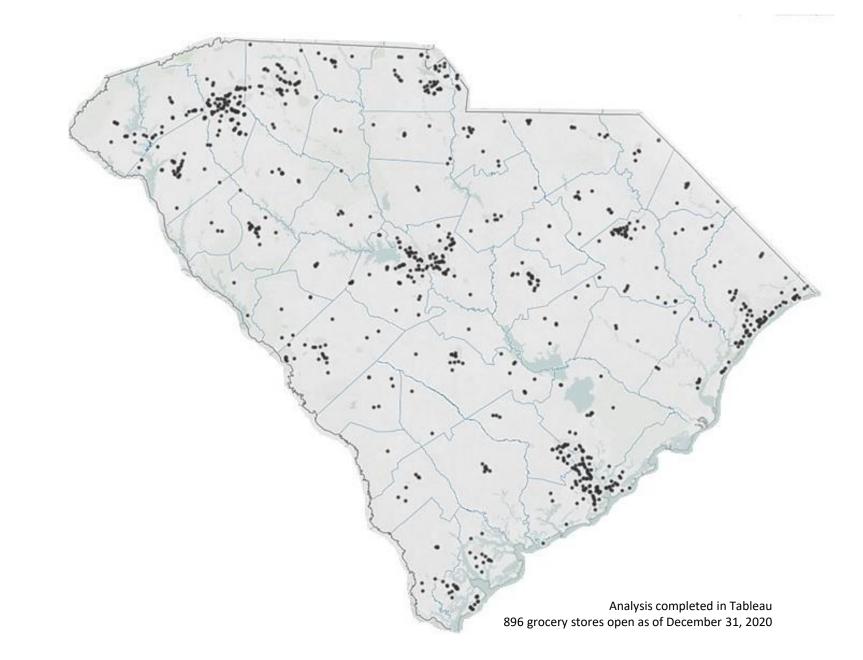


## Grocery Store Locations Impacting Food Insecurity

- Identified all available grocery stores in South Carolina as of December 2020.
- Dataset: Data Axle Reference Solutions
- Excluded any gas stations, convenience stores











#### Example Dataset

						%												2020	
		%				American		%		# Closed				2018		2019	2019	Projected	2020
	/	Population	%			Indian		Hispanic		Grocery	Total	Rank For	2018	Child	2018 #	Overall	Child	Overall	Projected
		18 years P	Population		% Black/	and		or Latino		Stores	Grocery	Grocery	Food	Food	of Food	Food	Food	Food	Child
		and	65 and	%	African	Alaska	%	(of any	Median	Since	Stores	Store	Insecurity	Insecurity I	Insecure	Insecurity'	Insecurity	Insecurity	/ Food
FIPS C	County	younger	older	White	American	n Native A	Asian	race)	Income	2016	2020	Closures	Rate	Rate I	Persons	Rate	Rate	Rate	Insecurity
45079 Ri	ichland	21.5%	12.3%	44.9%	46.9%	0.2%	2.9%	5.2%	\$54,767	12	58	1	11.2%	13.5%	45,630	9.4%	14%	11.8%	18.2%



<u>Sources:</u> American Community Survey 2015-2019; Data Axle Reference Solutions-Author Analysis; Feeding America 2018-2020



#### Future Steps

- Datasets can be used to look at racial/ethnic compositions in comparison to grocery store by county
- Look at the gaps where potential grocery stores can be built for communities to have better access to healthy food options
- Advocate for children suffering from food insecurity







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