Birth to Five Food Insecurity in the Triangle

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Project Objectives

1.

Investigate the root causes and effects of food insecurity for young learners

2.

Investigate where food insecurity is concentrated in the Triangle area



Research Methodology

Literature Review

Interviews with Local
Leaders

Creation of GIS
Maps

Literature Review

We synthesized research concerning food insecurity in these specific subject areas:

- The history of food insecurity as a Social Determinant of Health
- How food insecurity affects children
- How the effects of parental food insecurity are passed onto children

Interviews with Local Leaders









FRANK PORTER GRAHAM
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Findings

Root Causes of Food Insecurity



Low minimum wage



Transportation



Systemic racism



Ease of access to unhealthy foods



Lack of Affordable Housing



Poor physical and mental health of parents



Citizenship status



Living in a food desert

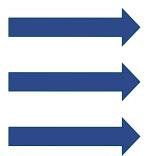
Effects of Food Insecurity

Cognitive Effects

- Cognitive inflexibility
- Focus
- Fatigue

Behavioral Effects

- Difficulty developing interpersonal skills
- Difficulty following instructions
- Irritability



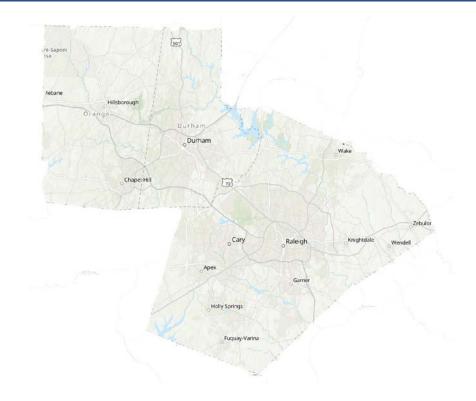
Impacts on Educational

Outcomes

- School climate and discipline
- Academic achievement
- The development of problemsolving skills

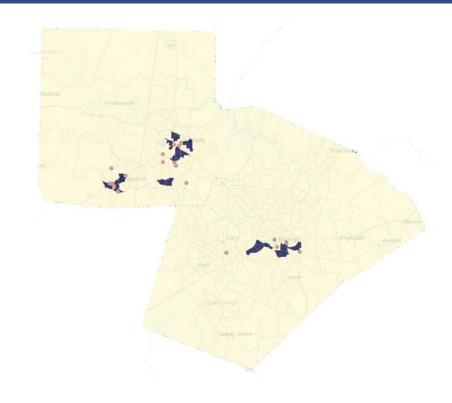
Main Objective:

Use secondary data sources to map birth to five food insecurity in the Triangle.



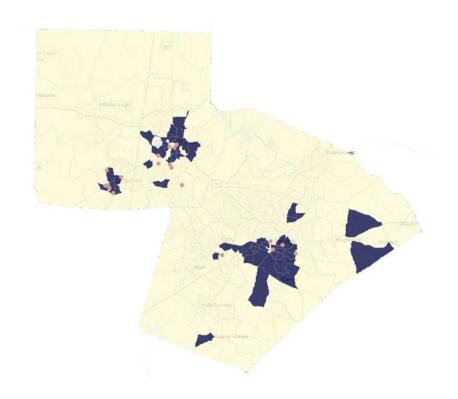
Indicator 1:

Persistent Poverty Status



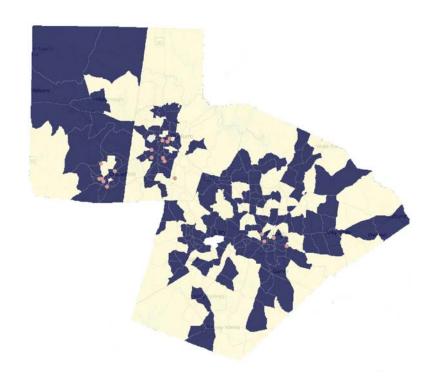
Indicator 2:

BEA Distressed Community Status



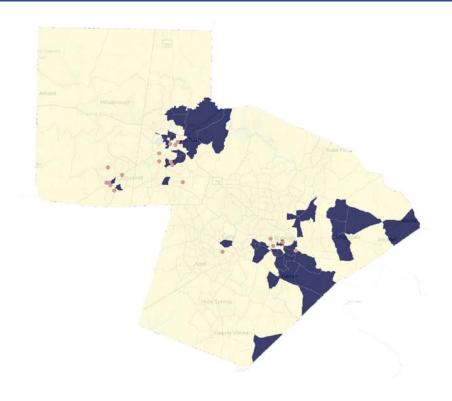
Indicator 3:

Low Access Status



Indicator 4:

High Food Expenditure Status



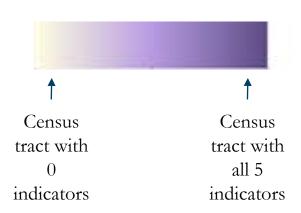
Indicator 5:

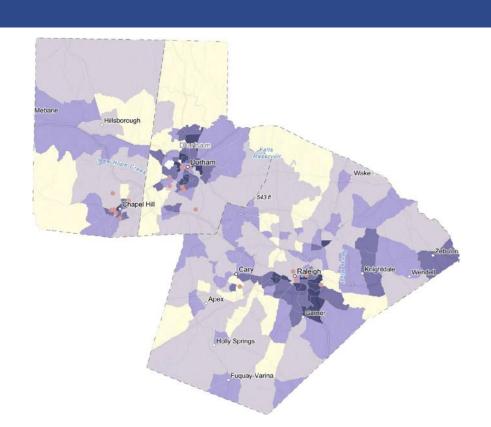
High Child Status



Food Insecurity in The Triangle

Map with all 5 indicators combined

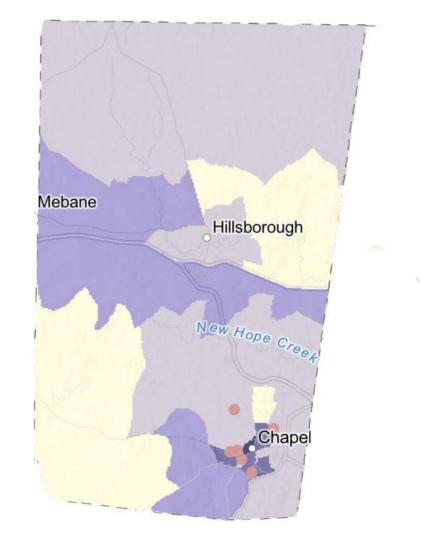






Least Severe Food Insecurity

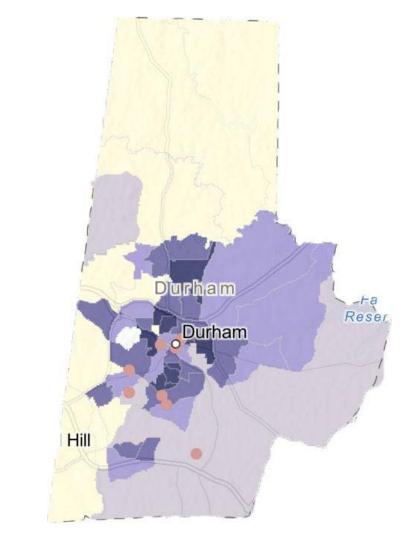
Child care centers participating in CCSA's Meal Services
Program

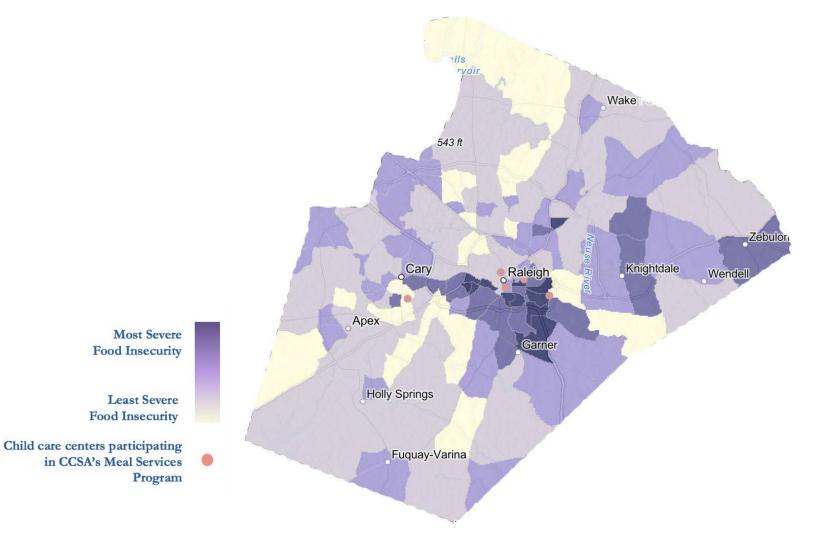


Most Severe Food Insecurity

Least Severe Food Insecurity

Child care centers participating in CCSA's Meal Services
Program





Recommendations for CCSA

Expansion of the Meal Services Program

Target Areas of greatest need

- a. Reach out directly to child care centers located in areas with high food insecurity
- b. Assist new child care centers in becoming partners with CCSA's Meal Services Program

Durham Kitchen

Parent-kid cooking classes



Startup Kitchen Space



Kids cooking competition



Field Trips & Summer Camps



Questions?