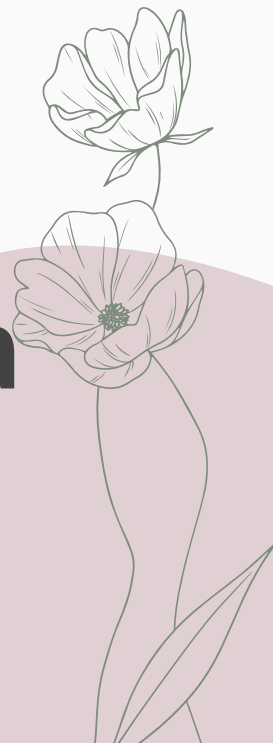


# **Food Insecurity, Its Measurements, Its Methods, and Its Application To Virginia**

Courtney Maynard





**1**

# **Introduction to the Topic**



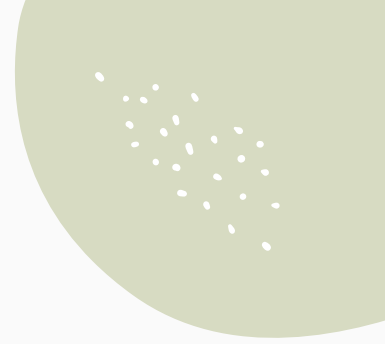
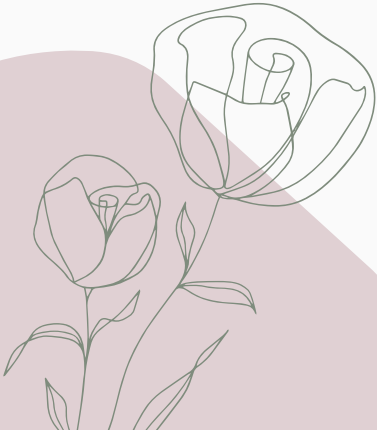
USDA

“a house-hold level economic and social condition of limited or uncertain access to adequate food,”

“a household’s inability to provide enough food for every person to live an active and healthy life”



Feeding  
America



# Measurements of Food Insecurity

1

Availability

2

Accessibility

3

Affordability

4

Accomodation

5

Acceptability





# Availability





# Accessibility



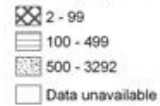


2

# Methods

### Population Density

Persons per square mile



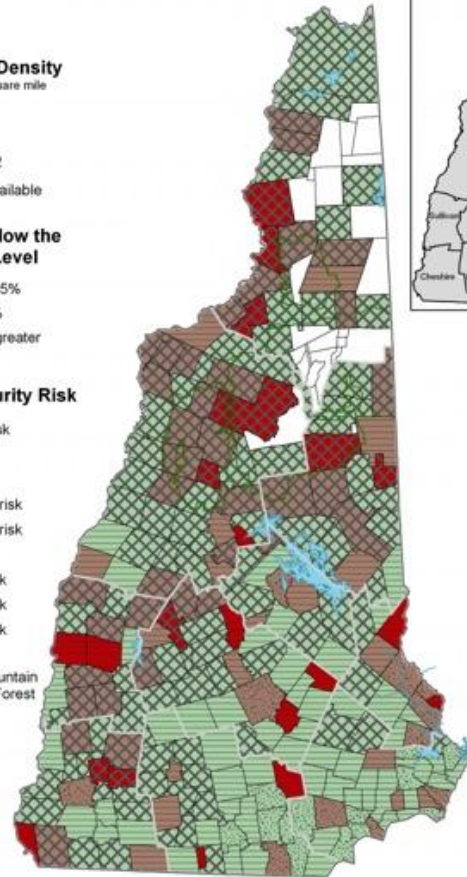
### Families Below the Poverty Level



### Food Insecurity Risk



— White Mountain  
National Forest  
Lakes

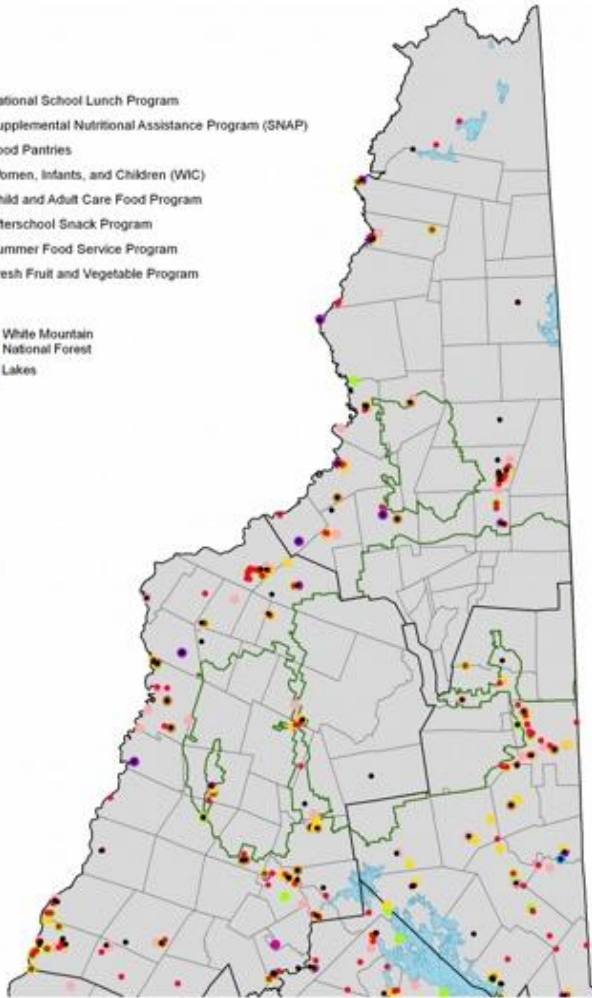




- National School Lunch Program
- Supplemental Nutritional Assistance Program (SNAP)
- Food Pantries
- Women, Infants, and Children (WIC)
- Child and Adult Care Food Program
- Afterschool Snack Program
- Summer Food Service Program
- Fresh Fruit and Vegetable Program

— White Mountain  
National Forest

■ Lakes






# Parameters Used In Ranking Block Groups

**“Yes” = > Nat. Av.**

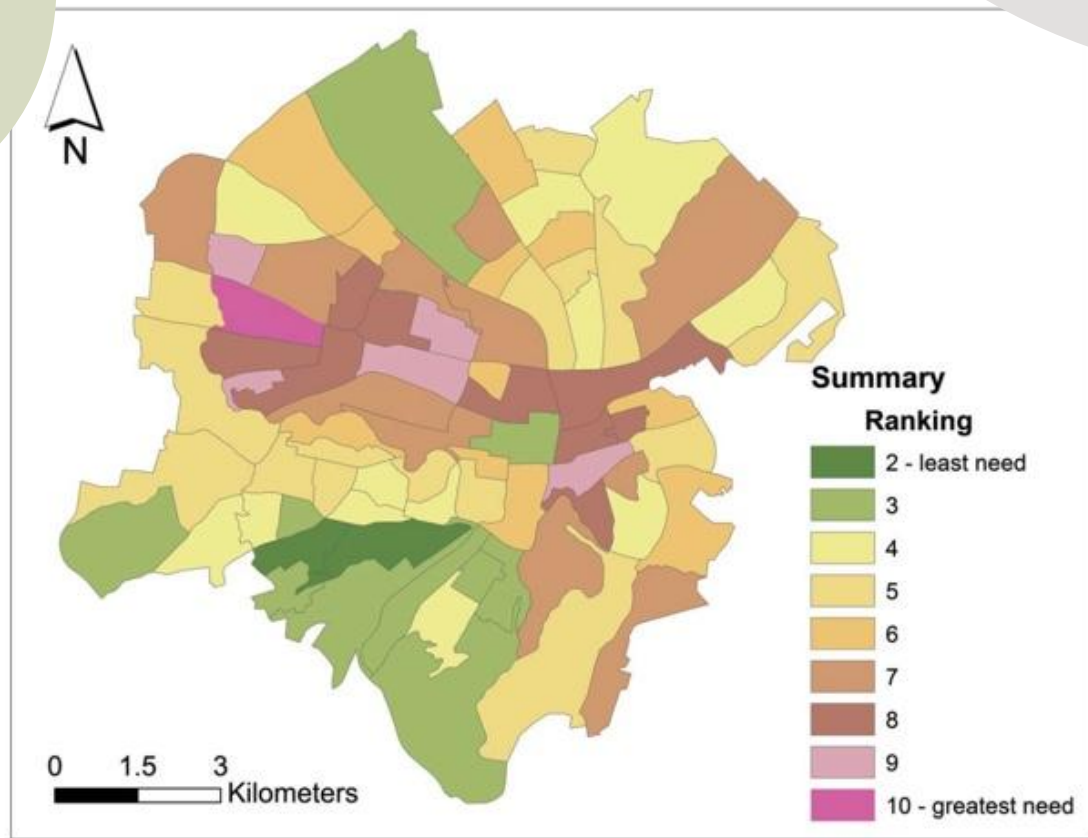
- student eligibility rate per elem. school for NSLP
- poverty rate
- unemployment rate
- % of pop < high school diploma
- % female-headed households
- % of children

**“Yes” = Needs Presence**

- 1 park
  - 2 community garden or farm
  - 3 supermarket or superstore
- 

Food group from MyPlate <sup>a</sup>	Specific food or beverage	Food stores offering item (%)
Grains		Whole-grain breads 35.3
Fruit	To be encouraged	Apples (fresh) 11.8
		Bananas (fresh) 5.9
Vegetables	To be limited	Oranges (fresh) 11.8
		Fruit canned in sugar syrup 88.2
		Leafy greens (fresh) 11.8
		Onions (fresh) 17.6
		Peppers (fresh) 11.8
		Tomatoes (fresh) 17.6
		Hot dogs 35.3
Protein foods		Lowfat hot dogs 11.8
		Turkey dogs 5.9
		Eggs 64.7
		Beans 70.6
		Tuna (canned) 64.7
		2% or low-fat milk 29.4
		Whole milk 88.2
Milk	To be encouraged	
100% fruit juice	To be limited	Orange juice only 88.2

<sup>a</sup>Based on ChooseMyPlate.gov food categories.





3

**What's the Gap?**

## possible gaps

neighborhood?



transportation?



Hampton Roads?





**how does food  
accessibility contribute  
to food insecurity in  
the Hampton Roads  
region of Virginia?**



**4**

# **Potential Research Plan**



# research plan



## divide

Demographic data → risk  
of food insecurity

Census block groups

Using New Hampshire  
study's method

## survey

Quality and availability of  
food

Using Roanoke study's  
method

## measure





# Questions?

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