



Food Access Program Deployment Plan

N1 Health Analyst Data Challenge
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Areas of Deployment

Identifying where the food access program should be deployed by tiers.



02

Demographic Breakdown

Breakdown of each tier by race and population groups.



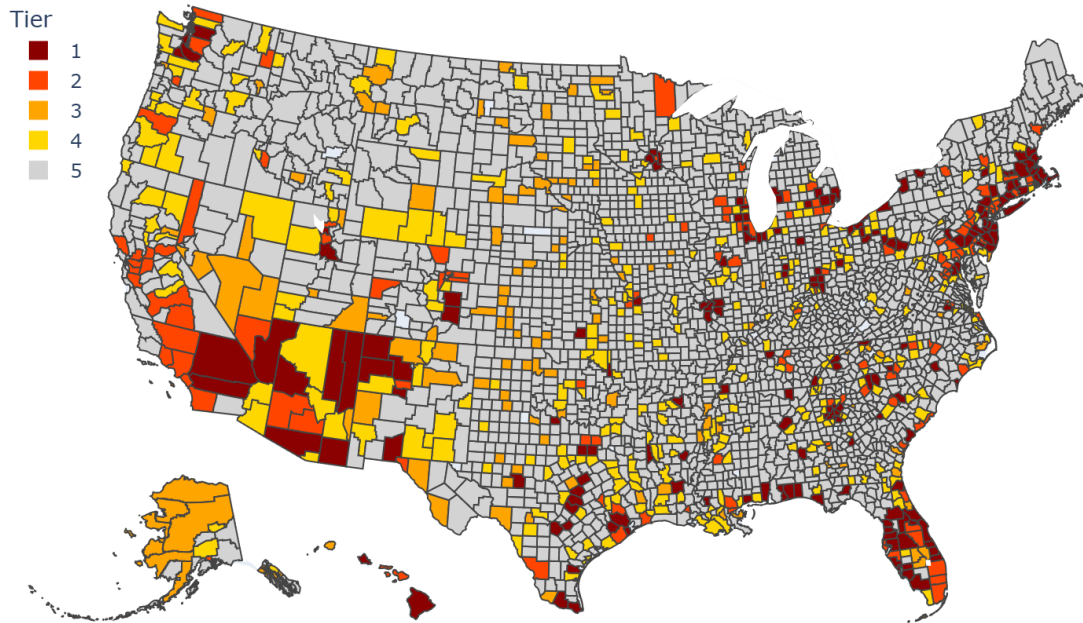
03

Effects of the Program

Projected impacts and effects of increased food access.

Areas of Deployment

Priority Tiers by County



Ranked using Priority Score (high to low):

$$\text{Priority Score} = P^{\alpha} \cdot N^{(1-\alpha)}$$

P: Proportion of population with low access relative to highest low-access population

N: Need index calculated from percentage of vulnerable groups with low access

α : tunable parameter to prioritize either population or percentages

Tier 1: 26.03 M

- 182 counties
- Most urgent intervention needed

Tier 2: 13.2 M

- 128 counties
- Large populations prioritized (urban)

Tier 3: 1.23M

- 128 counties
- High low-access prevalence prioritized (rural)

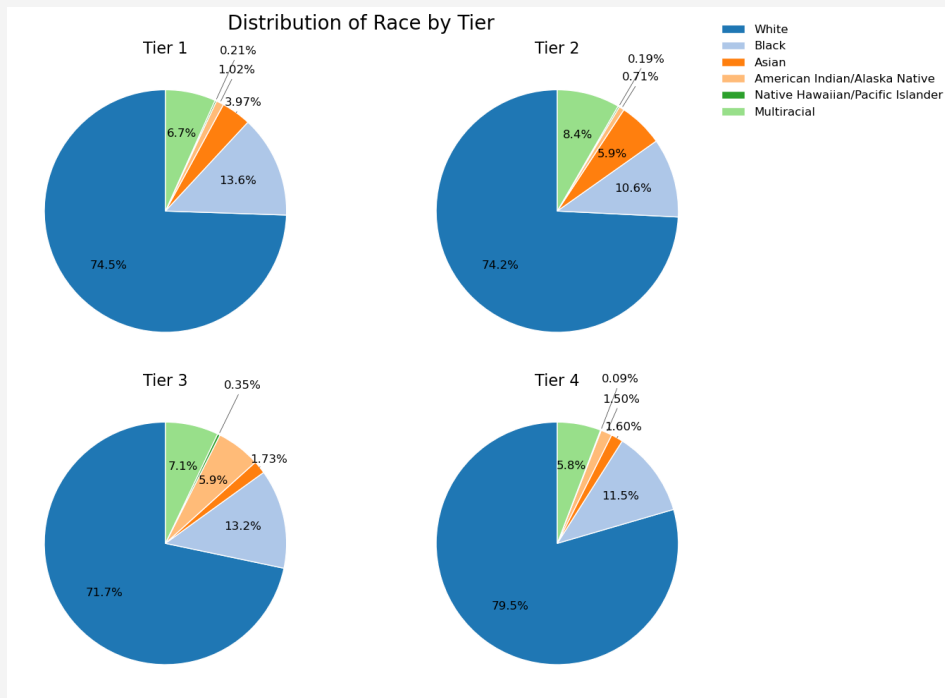
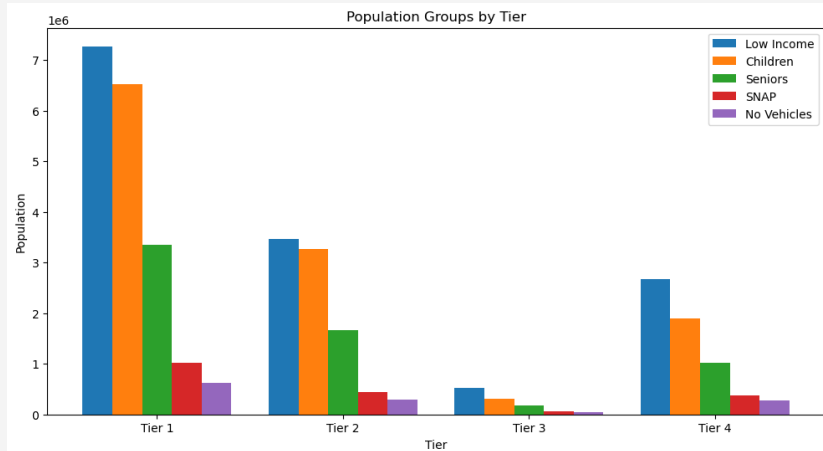
Tier 4: 7.78 M

- 330 counties
- Populations to monitor

Demographic Breakdown by Tier

Key Notes

- Largest population groups supported are low-income individuals, children, and seniors
- Tier 3 has a comparatively higher proportion of American Indian/Alaska Natives



Effects of the Program

With over **40 million** people in Tiers 1-3, a projected program participation rate of **50-85%** (on par with SNAP participation in 2022 for different groups, according to the USDA) would mean **20-34 million** people assisted.

