

Apriqot

Producing Household Food Insecurity Estimates for MaineHealth & Portland Public Health

The Problem

MaineHealth and Portland Public Health need food insecurity estimates to understand demand, strategically distribute food assistance resources, and optimize the location of a new mobile food pantry.

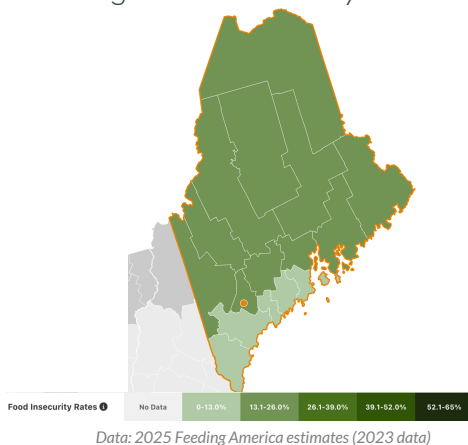
Though several data sources offer county-level food insecurity estimates, existing data lacked the geographic specificity required for community-level outreach. Additionally, estimates for customized subpopulations – households with children, older adults – did not exist.

Our Solution

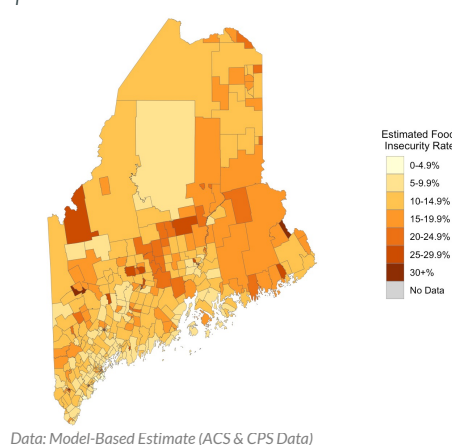
- Developed a food insecurity model that builds upon existing, verified approaches, but is based on Maine-specific data.
- Used our model to produce estimates at sub-county geographies, including census tract, township, and zip code.
- Produced estimates for customized subgroups and specific household types (e.g., single-parent households).

Apriqot produced geographically and demographically-specific food insecurity estimates to enable **community level insight and outreach.**

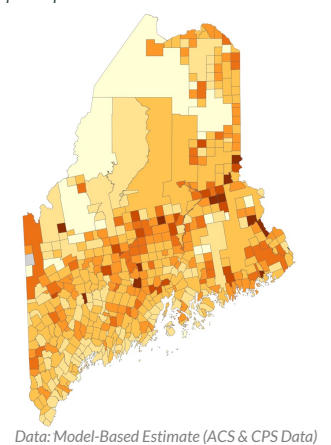
Feeding America County Estimates



Apriqot Estimates: Census Tract



Apriqot Estimates: Towns



Outcomes & Impact

① Targeted Resource Deployment

Pinpointed communities with the highest food insecurity to guide placement of pantries, mobile units, and outreach.

② Population-Specific Insights

Delivered customized estimates for households with children and older adults, enabling interventions tailored to at-risk groups.

