



Data Partnerships that Create Actionable Insights: ASU and St. Mary's Foodbank Data Dashboards

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Alexi E. Vogel
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Acknowledgements

Resources and support for this collaboration were provided by St. Mary's Food Bank and Arizona State University.



Agenda



Arizona State University

St. Mary's Food Bank

**The Dashboard and Its
Uses**

**Bring It Home to Your
State**

ASU Charter

ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves.

Timeline



**Data Meeting and
SMFB Facilities
Tour**

**June
2024**



**ASU SGSUP
Department
Volunteer Event**

**Final
Presentation**

**November
2024**



**December
2023**

**Discovery Meeting with
ASU + St. Mary's Food
Bank**

Initial meeting between
SMFB and ASU to learn
more about each other's
work and discuss what a
potential collaboration could
look like.



**August
2024**

**Progress Check-in
and Ask Clarifying
Questions**



Ongoing

- ❑ **Annual Dashboard Updates**
- ❑ **Project Check Ins**
- ❑ **Other Project Collaborations**
- ❑ **Conference Presentations**
- ❑ **Regularly Organized Volunteer Events**

St. Mary's Food Bank

In 1967, **John van Hengel** founded **St. Mary's Food Bank in Phoenix** after meeting a struggling mother who inspired his vision of a “food bank” where surplus food could help those in need. With support from St. Mary's Basilica, he launched what became **the model for food banks worldwide**. Van Hengel went on to establish the national food bank network now called Feeding America, and the Global Food Banking Network, earning him the title “father of food banking.” Today, St. Mary's stands among **the largest and most respected** food banks in the world, recognized by Forbes and Charity Navigator for its impact and stewardship.





St. Mary's
Food Bank®

Distribution

Pounds overall: 129,000,000
Pounds of produce: 47,000,000
Holiday meals and turkeys: 20,000+

Tribal Partnerships

Pounds of food distributed: 11,000,000
Tribal food boxes: 26,480
Tribal partners: 80+

Volunteers

Volunteer hours: 189,000+
Volunteer visits: 80,000

Home Delivery Program

Pounds of food distributed: 2,700,000
Deliveries per month: 7,000

Nourishing Hope Across Arizona's Communities

300,000+

Meals each day

76,000+

Square miles served

700+

Nonprofit partners



Programs



Kids Cafe



Summer Meals



Family Backpacks



School Pantry



Emergency Food Assistance



Commodity Supplemental Food Boxes



Tribal Food Boxes



Home Delivery



Job Training

Food Insecurity in Arizona

**Food Insecurity is the Lack of Consistent
Access to Adequate Food**

14.4%

Arizona residents who
are food insecure

20%

Arizona children who
are food insecure

42%

Food insecure Arizona
residents who are
ineligible for food stamps

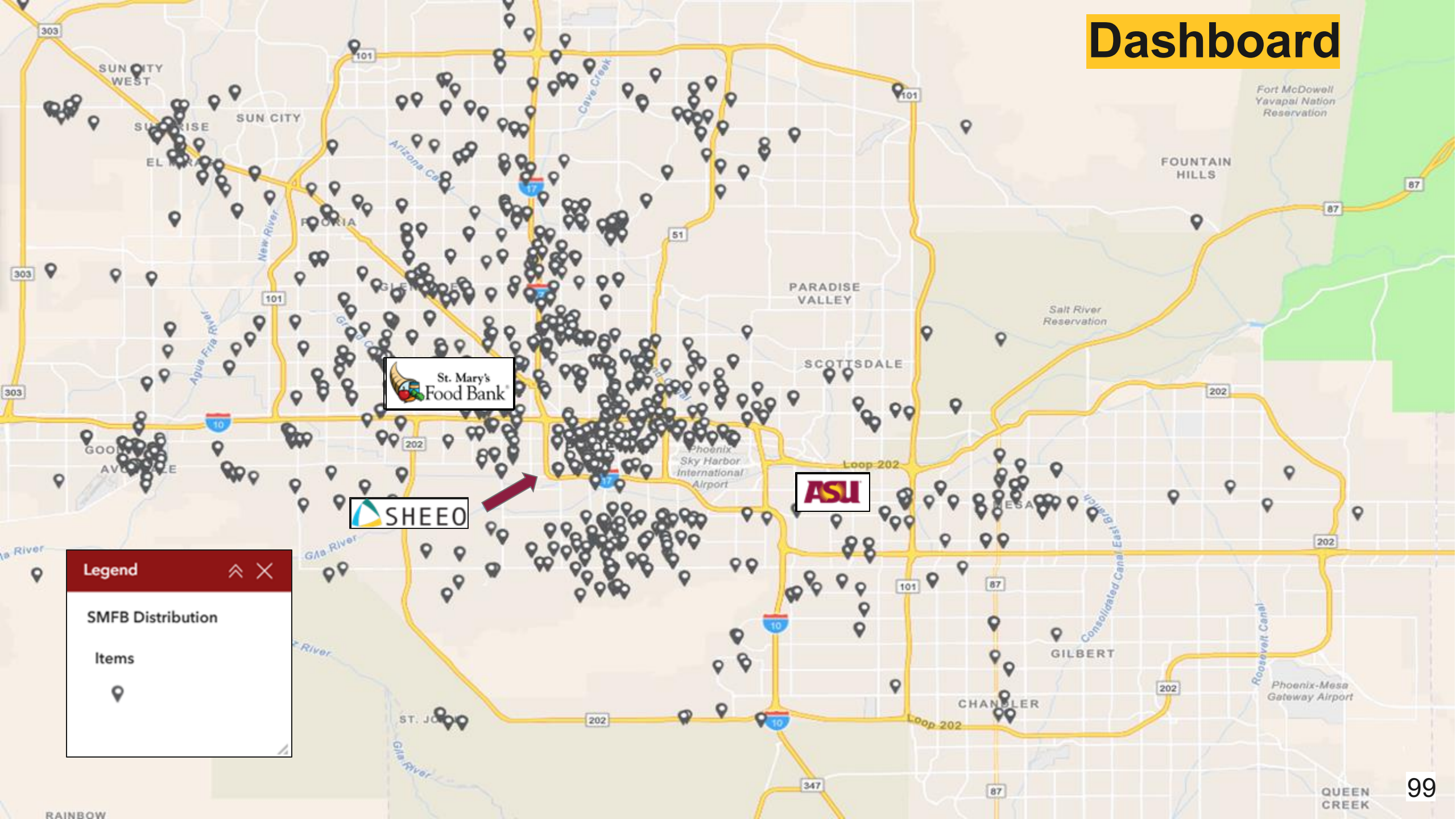
Dashboard Data and Sources

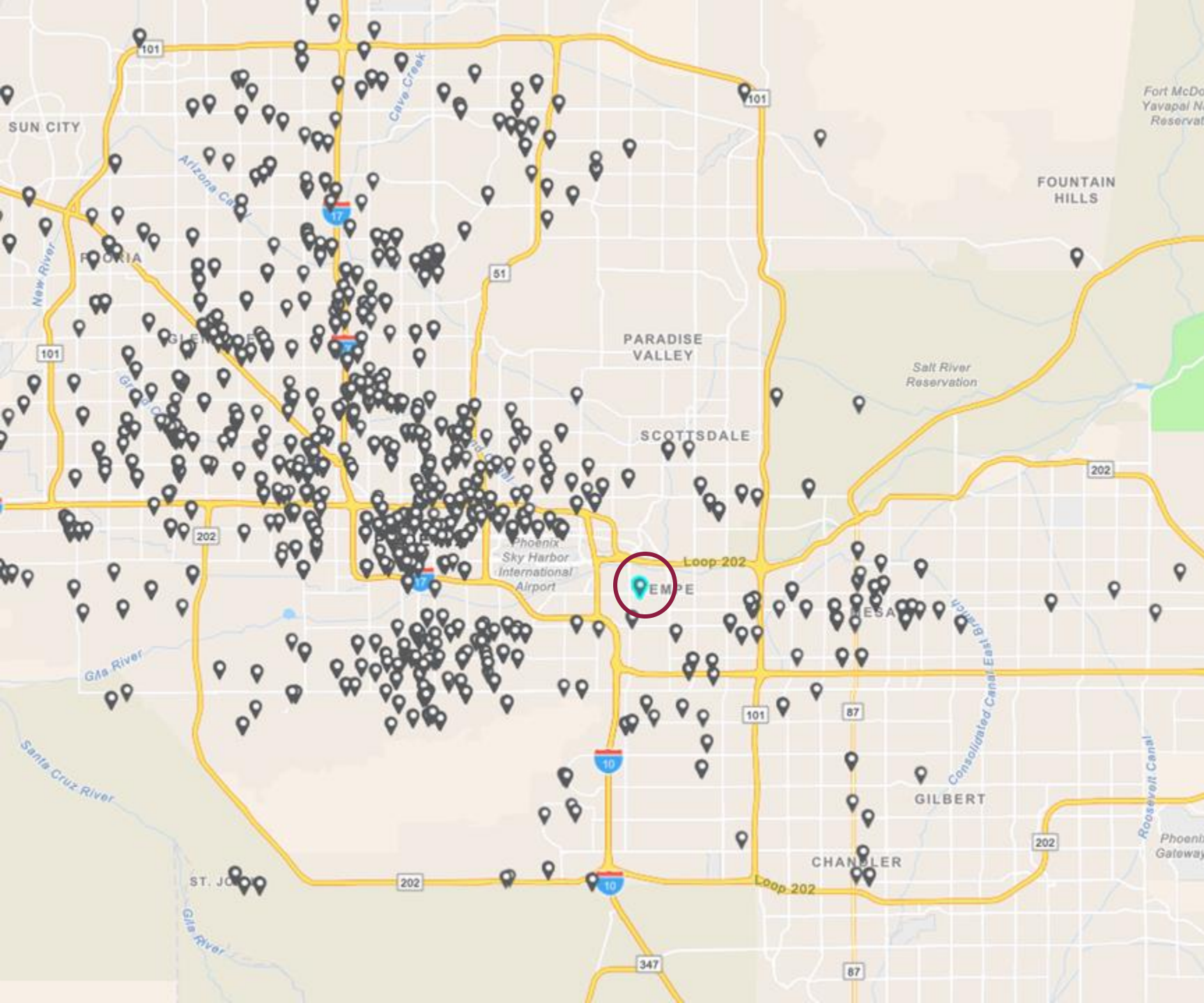
- **Arizona Department of Health Services***
 - Grocery Stores and WIC/SNAP Locations
 - Geography Boundaries for Tribal Land and Counties
- **U.S. Census Bureau***
 - ACS 5-Year Estimates (2019-2023)
 - SNAP Participation Rates
- **Mind the Meal Gap/Feeding America***
 - Food Insecurity Rates (2023)
- **St. Mary's Food Bank**
 - Annual Distribution (2020-2025)

All at the tract level!

***Publicly Available**

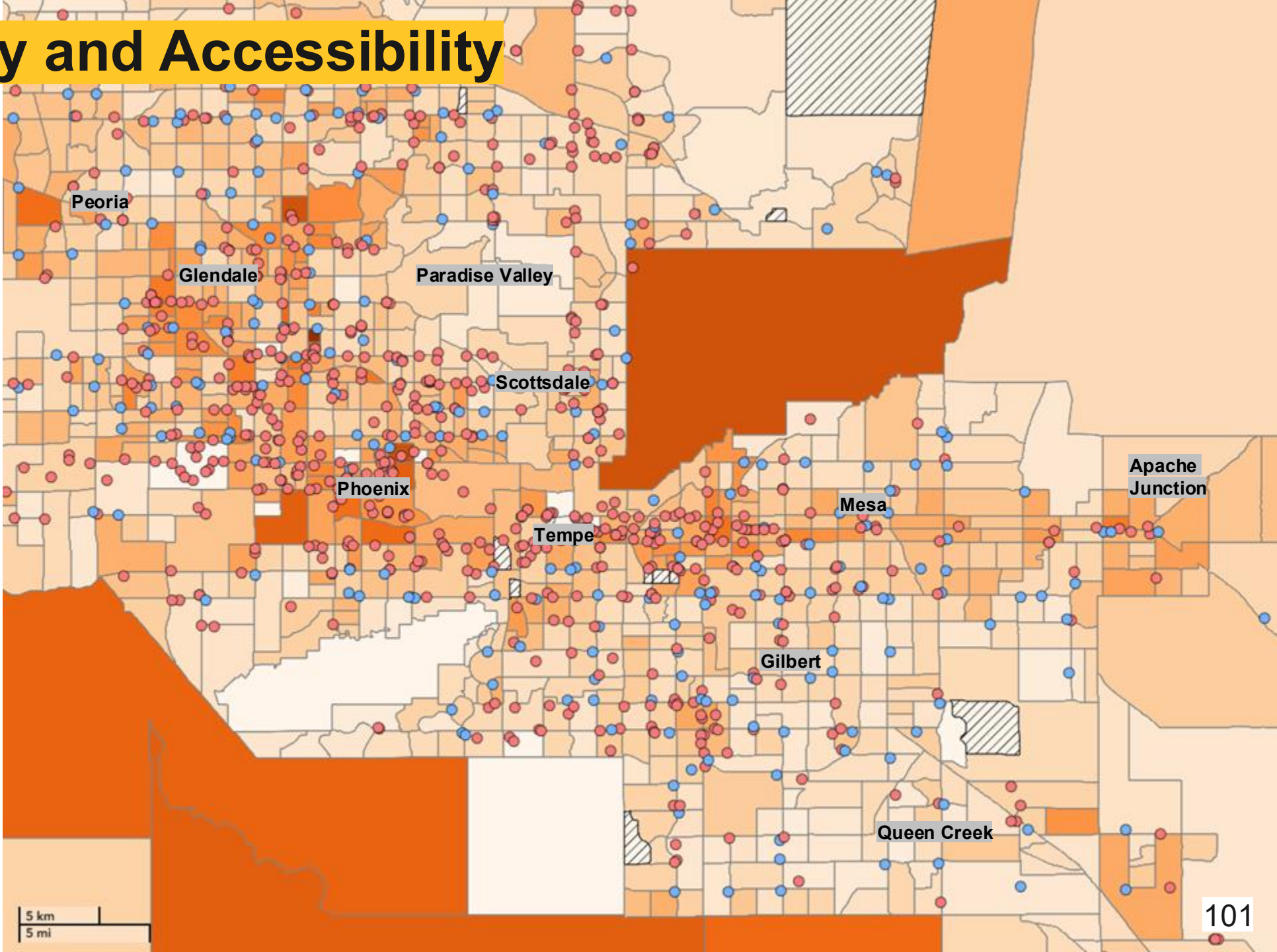
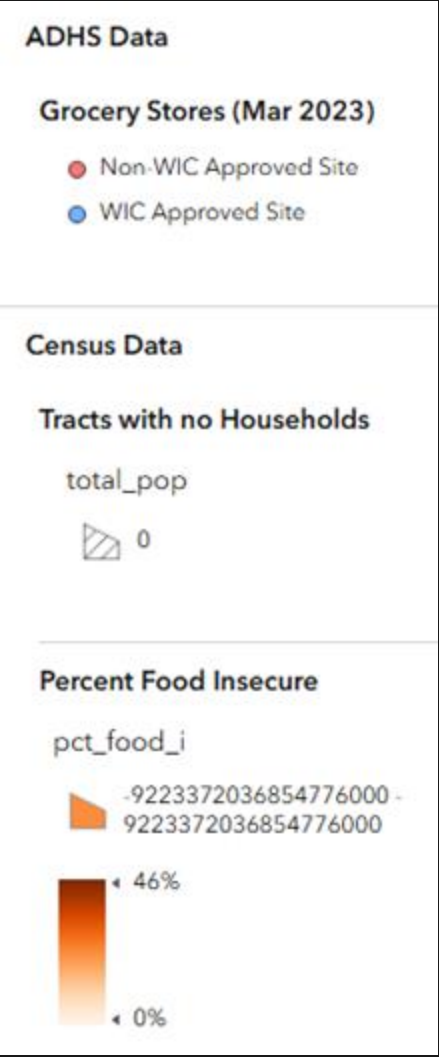
Dashboard





Scales Technology Academy	
Zoom to	
FID	4581
Agency_No_	52845
Name	Scales Technology Academy
Street_Add	1115 W 5th St
City	Tempe
LBS	1023.000000
Fresh_Frz_Produce	0.000000
Canned_Fruit_Veg	0.000000
Protein	1023.000000
Dairy	0.000000
Bread	0.000000
Water	0.000000
Other_Beverage	0.000000
Pasta_Rice_Cereal	0.000000
Snacks	0.000000
Food_Box	0.000000
All_Other	0.000000
Non_Food	0.000000
Year	FY24_25
Zipcode	85281
State	Arizona
Latitude	33.424561
Longitude	-111.955386

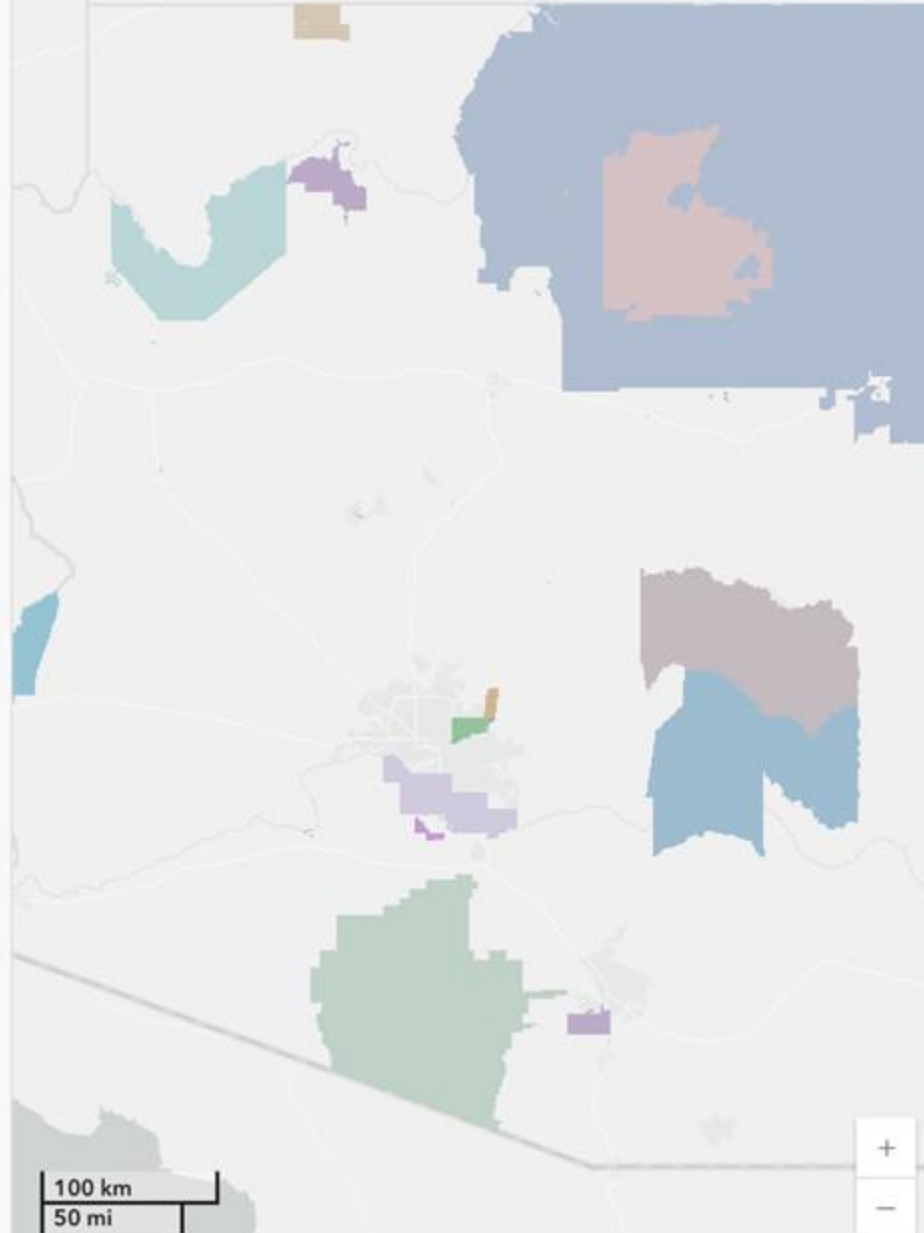
Food Insecurity and Accessibility Phoenix



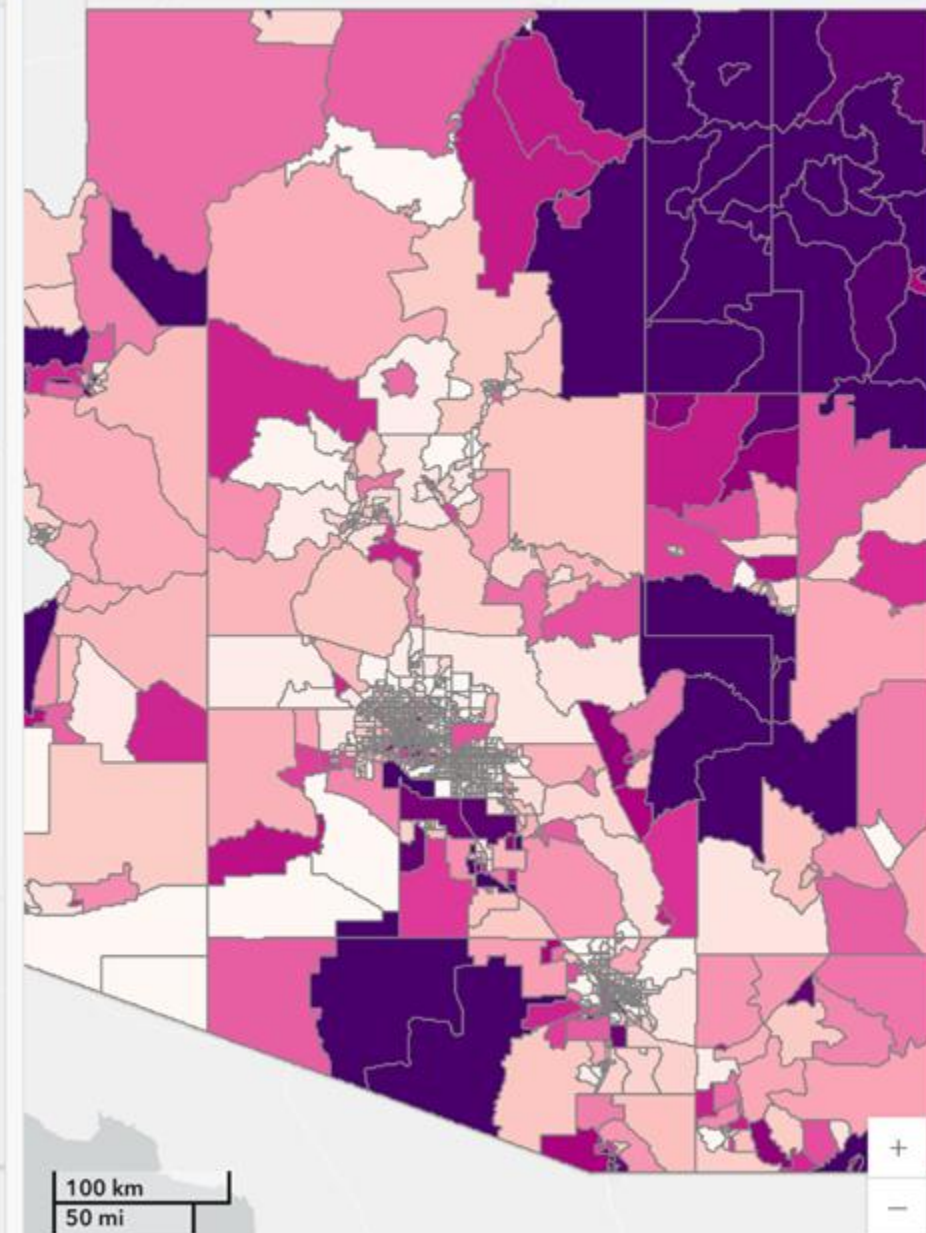
Tribal Land and SNAP Participation

Tribal Lands

-  Ak-Chin Indian Community
-  Cocopah Tribe
-  Colorado River Indian Tribe
-  Fort McDowell Yavapai Nation Reservation
-  Fort Mojave Indian Tribe
-  Fort Yuma Quechen Tribe
-  Gila Bend
-  Gila River Indian Community
-  Havasupai Tribe
-  Hopi Tribe
-  Hualapai Tribe
-  Kaibab-Paiute Tribe
-  Navajo Nation
-  Pascua Yaqui Tribe
-  Salt River Pima-Maricopa Indian Community
-  San Carlos Apache Tribe
-  San Xavier
-  Tohono O'odham Nation
-  Tonto Apache



County of Yavapai, Esri, TomTom, Garmin, FAO, NOAA, USGS, Bureau ... Powered by Esri



County of Yavapai, Esri, TomTom, Garmin, FAO, NOAA, USGS, Bureau ... Powered by Esri

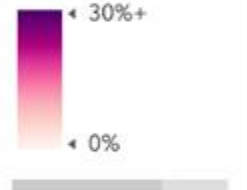
SNAP Participation Rates

Percent households receiving food stamps/SNAP

Percent households receiving food stamps/SNAP

-9223372036854

9223372036854



Vehicle Access and Food Insecurity

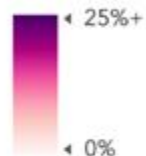
Census Data

Percent No Vehicle Ownership

pct_no_veh

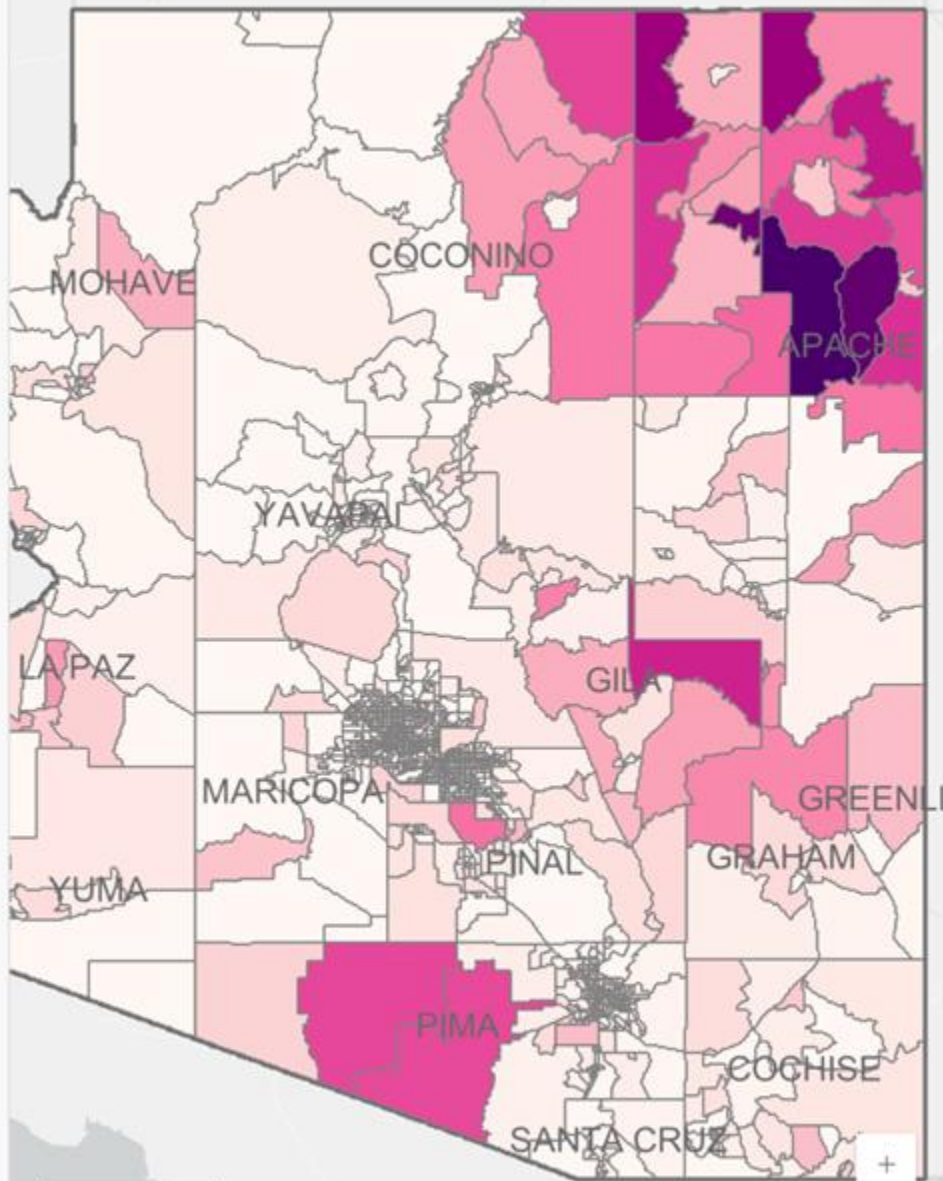
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Geography

Counties



County of Yavapai, Esri, TomTom, Garmin, FAO, NOAA, USGS, Bureau ... Powered by Esri

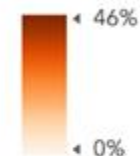
Census Data

Percent Food Insecure

pct_food_i

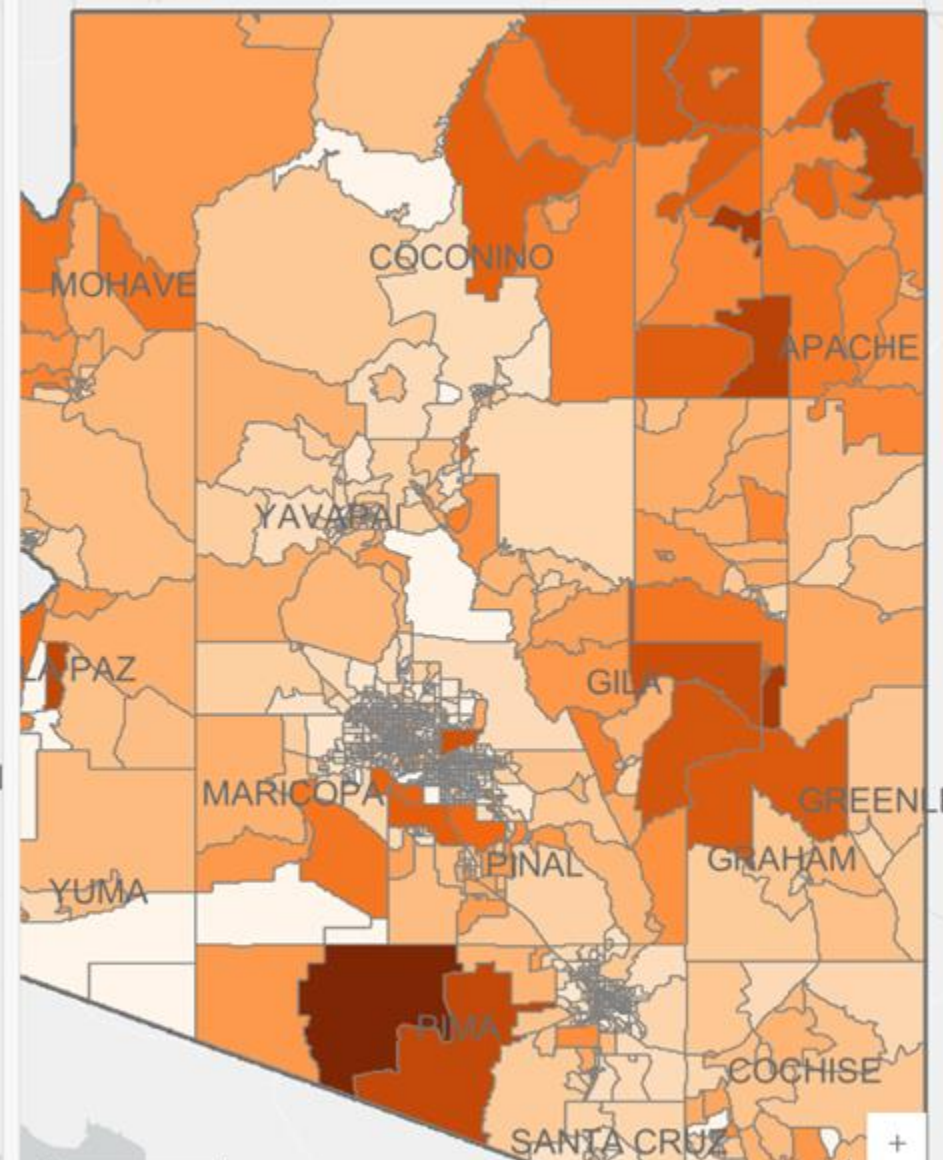
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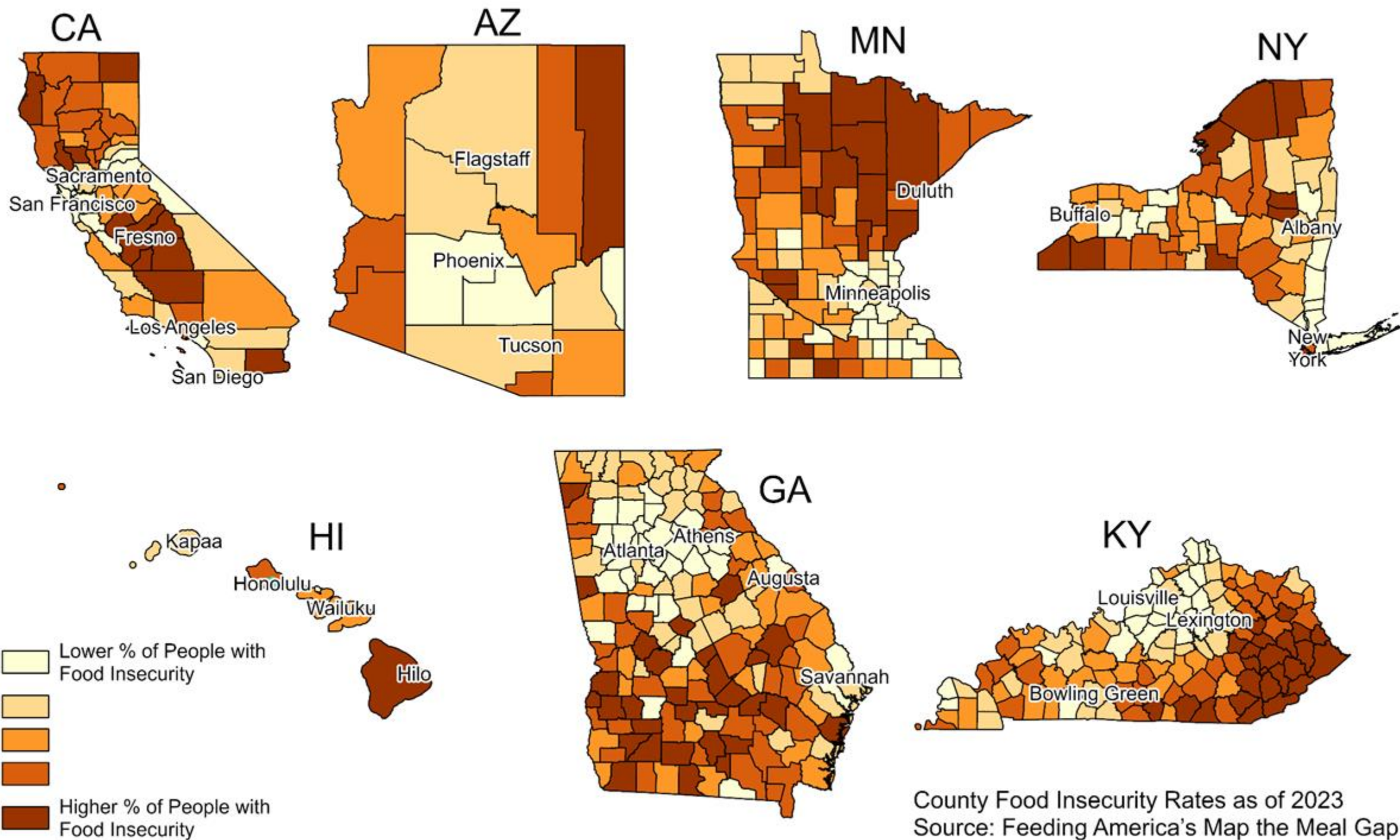


Geography

Counties



County of Yavapai, Esri, TomTom, Garmin, FAO, NOAA, USGS, Bureau ... Powered by Esri



County Food Insecurity Rates as of 2023
Source: Feeding America's Map the Meal Gap

Thank you!



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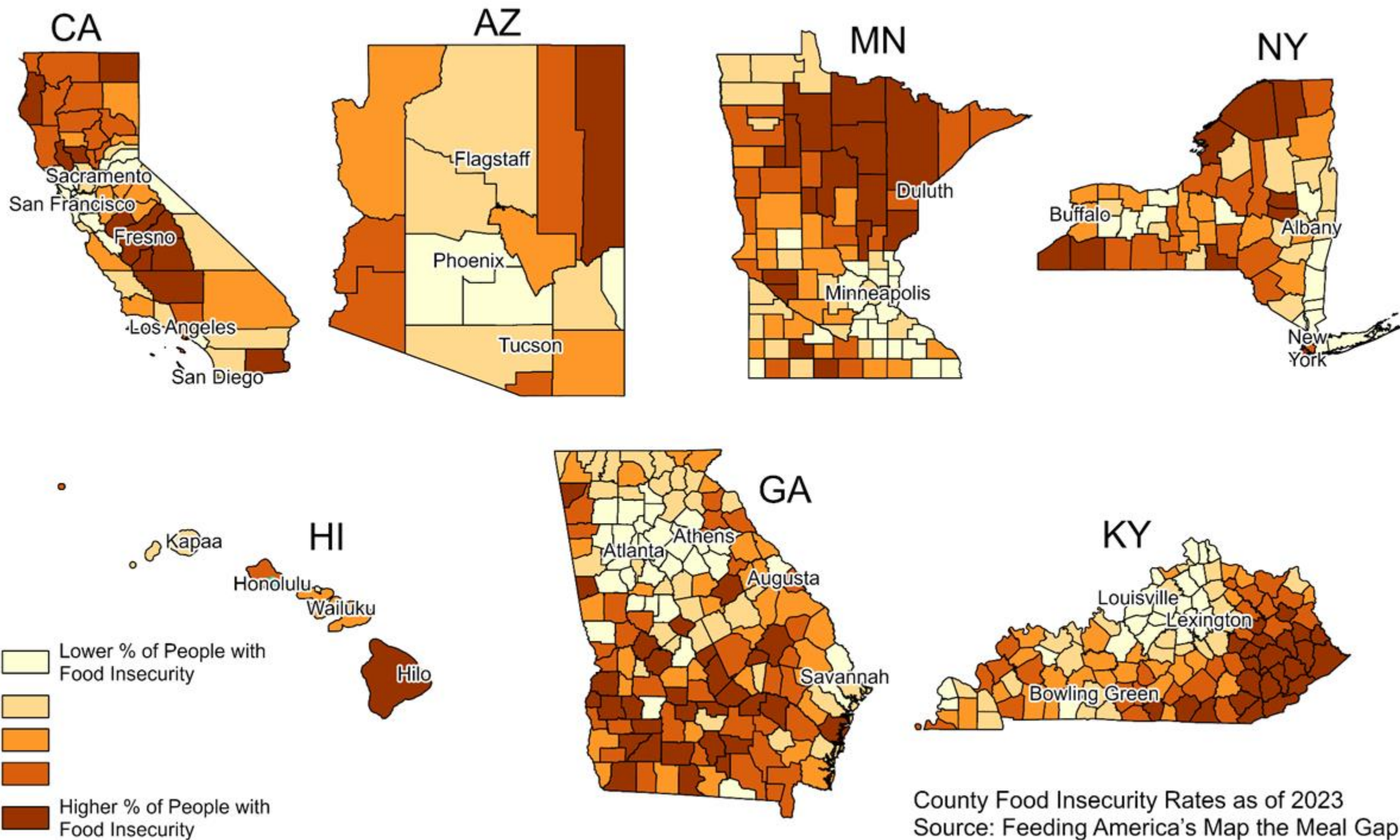
Chief Programs
Officer



Christina Ngo

ASU

Executive Director of
Social Embeddedness



County Food Insecurity Rates as of 2023
Source: Feeding America's Map the Meal Gap