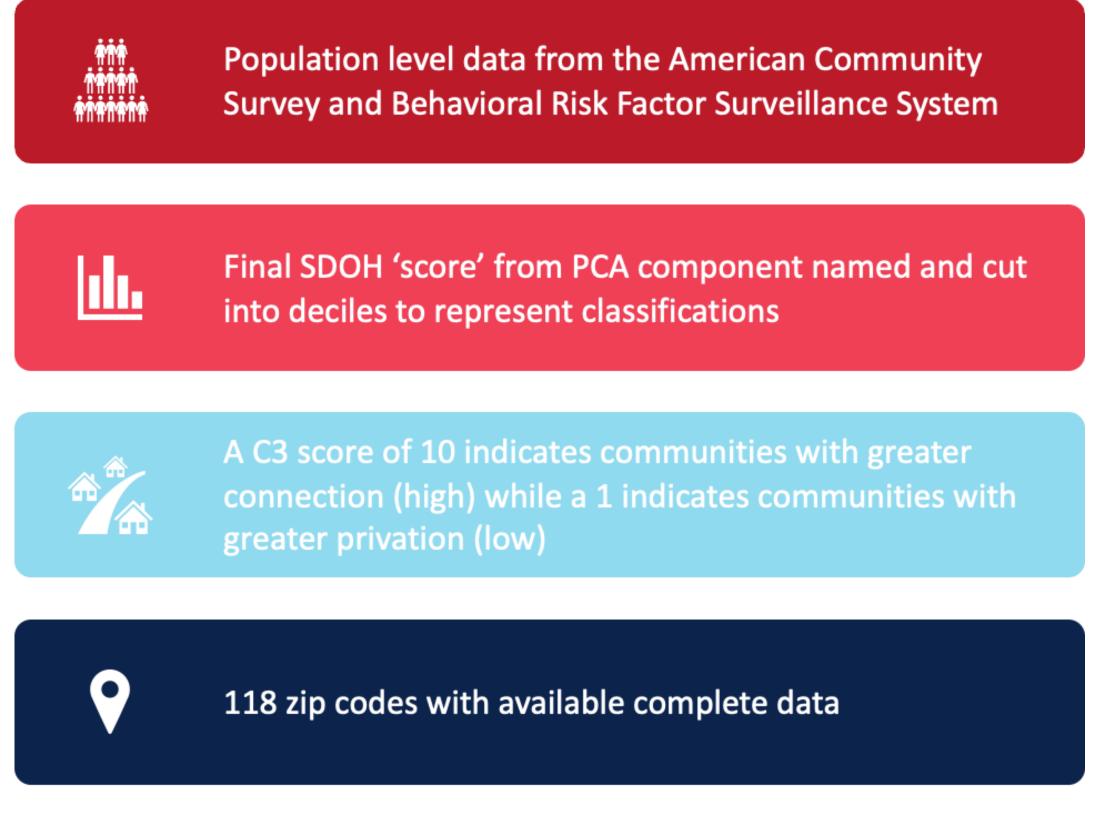


PRESENTER Meghan B. Skiba, PhD, MS, MPH, RDN Assistant Professor

BACKGROUND

- Half of a person's health status is influenced by Social Determinants of Health (SDOH) and one-third to individual health behaviors.
- We developed and validated a novel Community Connected Classification (C3) to characterize regional positive SDOH factors evaluate health behavior associations

METHODS



Analyzed using STATA 17.0 and ArcGIS Pro

RESULTS

Communities with higher C3 scores: 1) have higher household income, 2) are above the federal poverty line, 3) are considered food secure, 4) have internet access, 5) attained higher education, and 6) have a primary care provider.

C3 when adjusted for demographics, technology access, and geography was significantly inversely associated with Southern Arizona population rate:

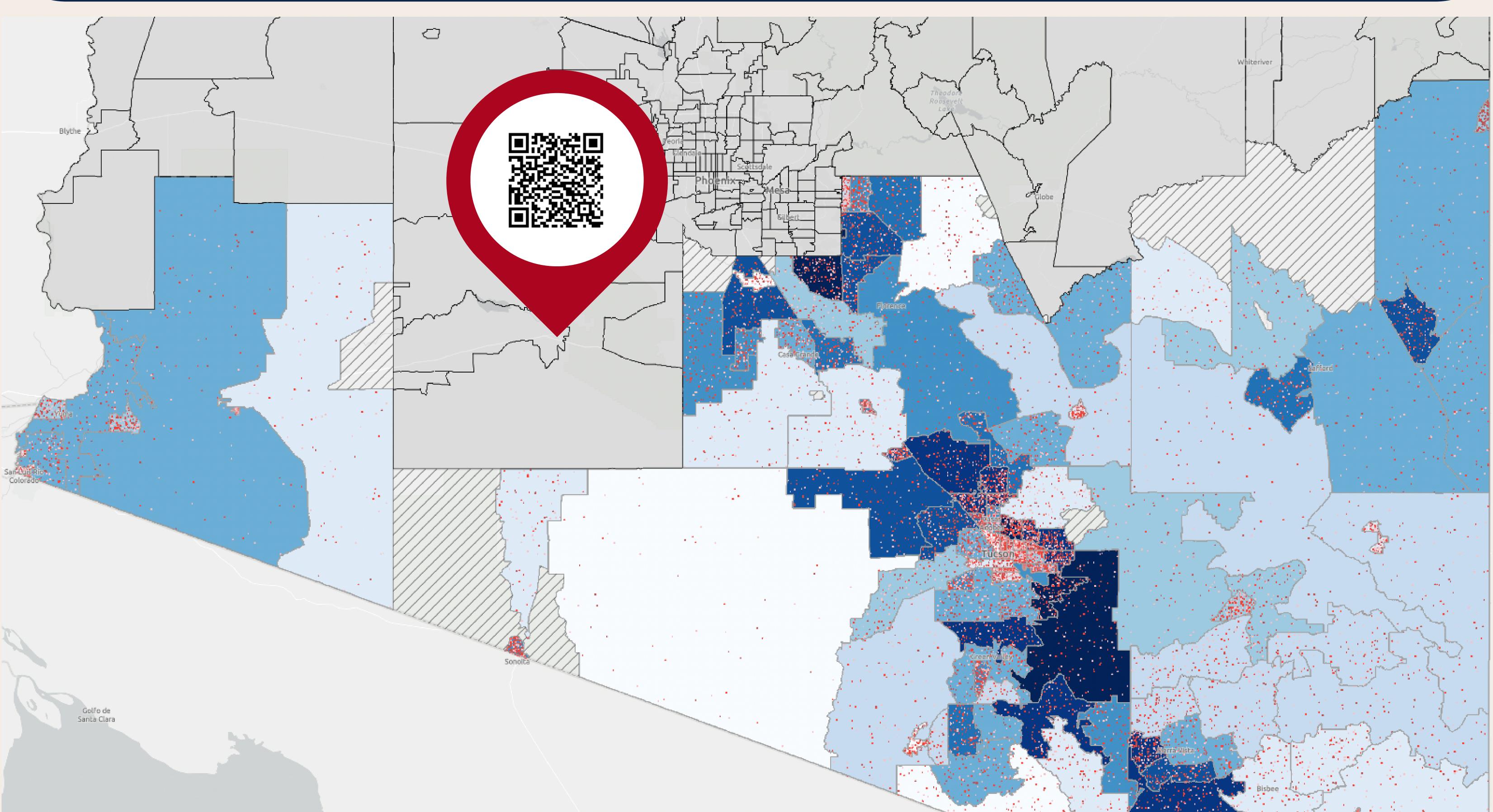
- **Obesity** (B=-0.20; 95%CI: -0.35, -0.06)
- Low fruit and vegetable intake (B=-0.35; 95%CI: -0.51, -0.19)
- Physical inactivity (B=-0.32; 95%CI: -0.48, -0.16)
- **Smoking** (B =-0.34; 95%CI: -0.62, -0.07)

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C3 Clustering in Southern Arizona by Zip Code: Scan the QR code to view an interactive web-map Dark blue represents higher C3 values; light blue represents lower C3 values; red dots represent health behaviors

COMMUNITY CONNECTEDNESS CLASSIFICATION AND ASSOCIATION WITH HEALTH BEHAVIORS IN SOUTHERN ARIZONA: A GEOSPATIAL ANALYSIS Meghan B. Skiba, Carlie Felion, Kimberly Lind, Christopher Krupnik, Chris Segrin

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People engage in more health protective behaviors when they live in connected communities.