20th International Conference on HIV TREATMENT AND PREVENTION ADHERENCE

#154. Adapting Data-informed HIV-testing Outreach to Optimize Reach in the US Southeast

Lynn T. Matthews, Cherrite Peterson, Michelle Bernard, John Bassler, Mariel Parman, Jennifer Boyd, Justice Jackson, Tommie Walker, Kevin Michaels, Rendi Murphree, Stephanie Woods-Crawford, Larry R. Hearld, Emily B. Levitan, Aadia Rana
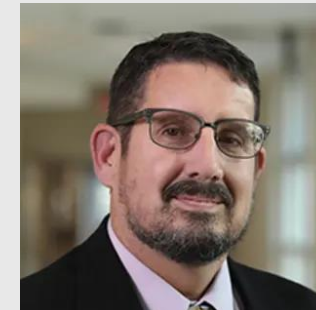
Tuesday, June 10, 2025 from 11:30 AM - 12:30 PM

Continuum 2025 • June 10-12, 2025 • San Juan

COASTAL

UAB CFAR — Center for AIDS Research — SINCE 1988

MCHD — mobile county health department — A legacy of excellence since 1816

Alabama Department of Public Health — EST. 1875

UAB

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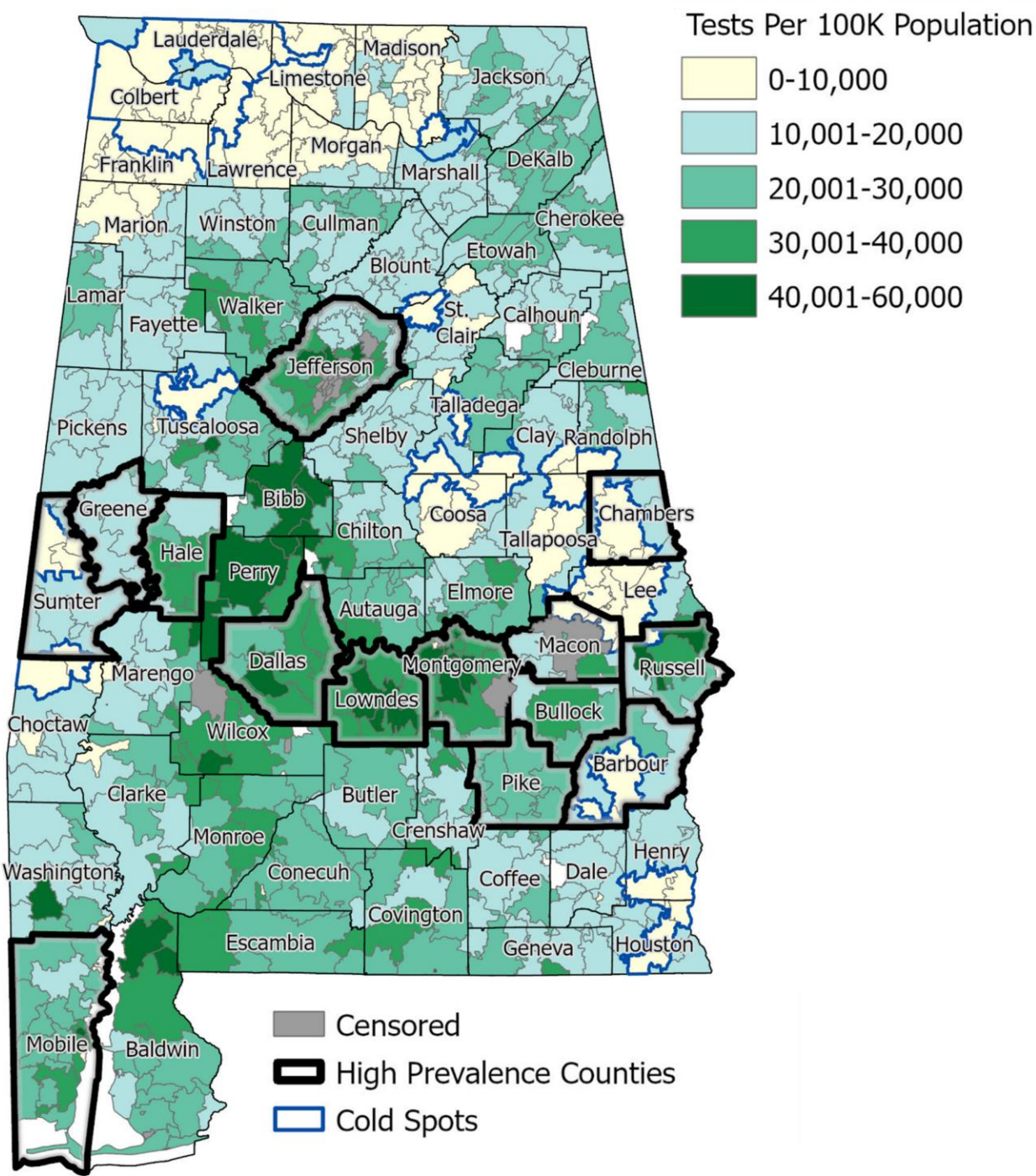Clinic Administrator-Ryan White

Cherrite Peterson
STD Program Manager

Disclosures

None to report

HIV Testing Gaps for Alabama
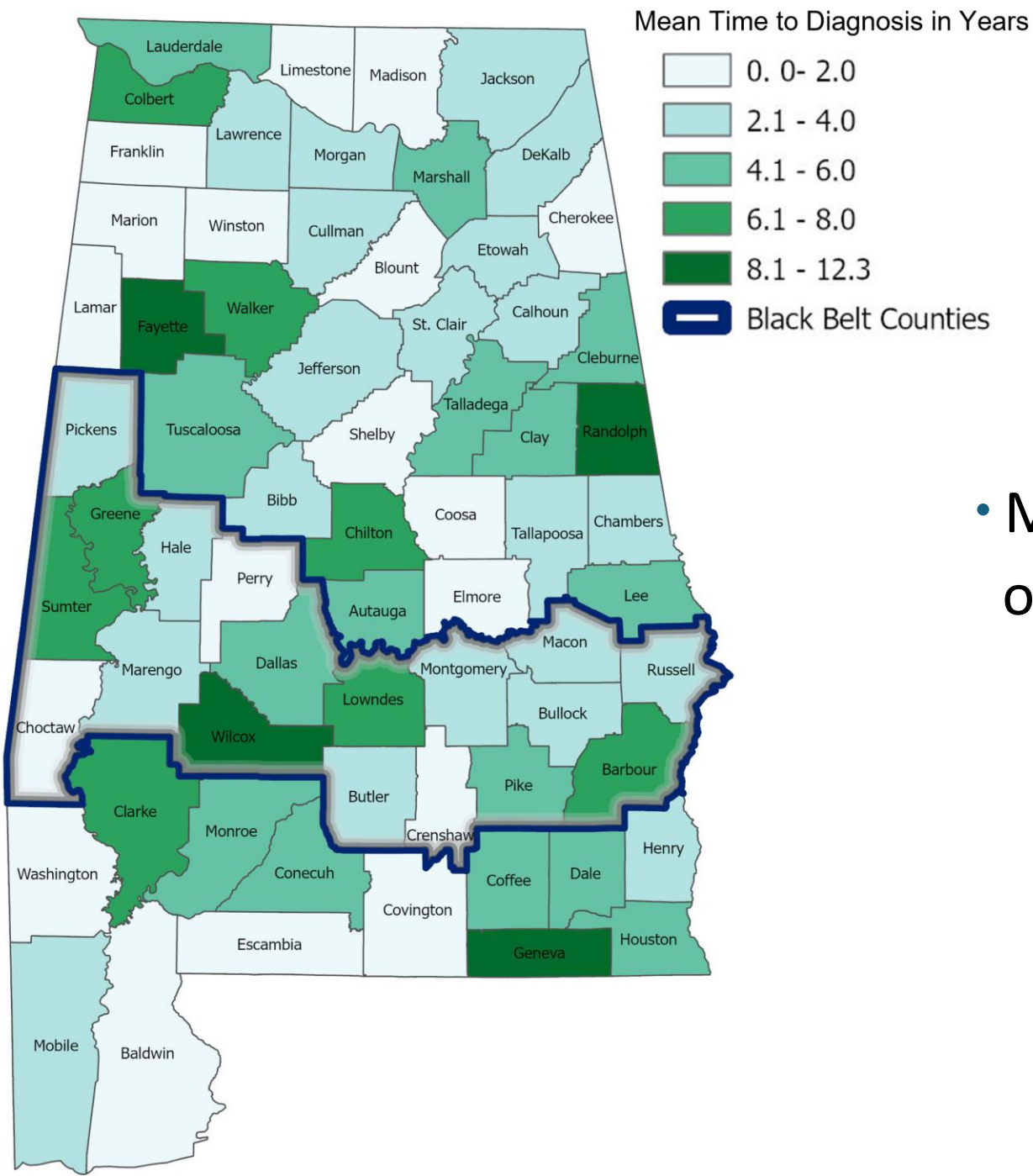

Pitasi *et al.* MMWR 2019

Using public health data to inform testing outreach

Tests per 100K population, by ZCTA, Alabama (2013-2017)

Mean years to HIV diagnosis, by County, Alabama (EHARS 2013-2017)

- Modelling time to diagnosis based on CD4 count (Song 2017 JAIDS)
  - 3.7 (IQR 0-9.2) years across Alabama
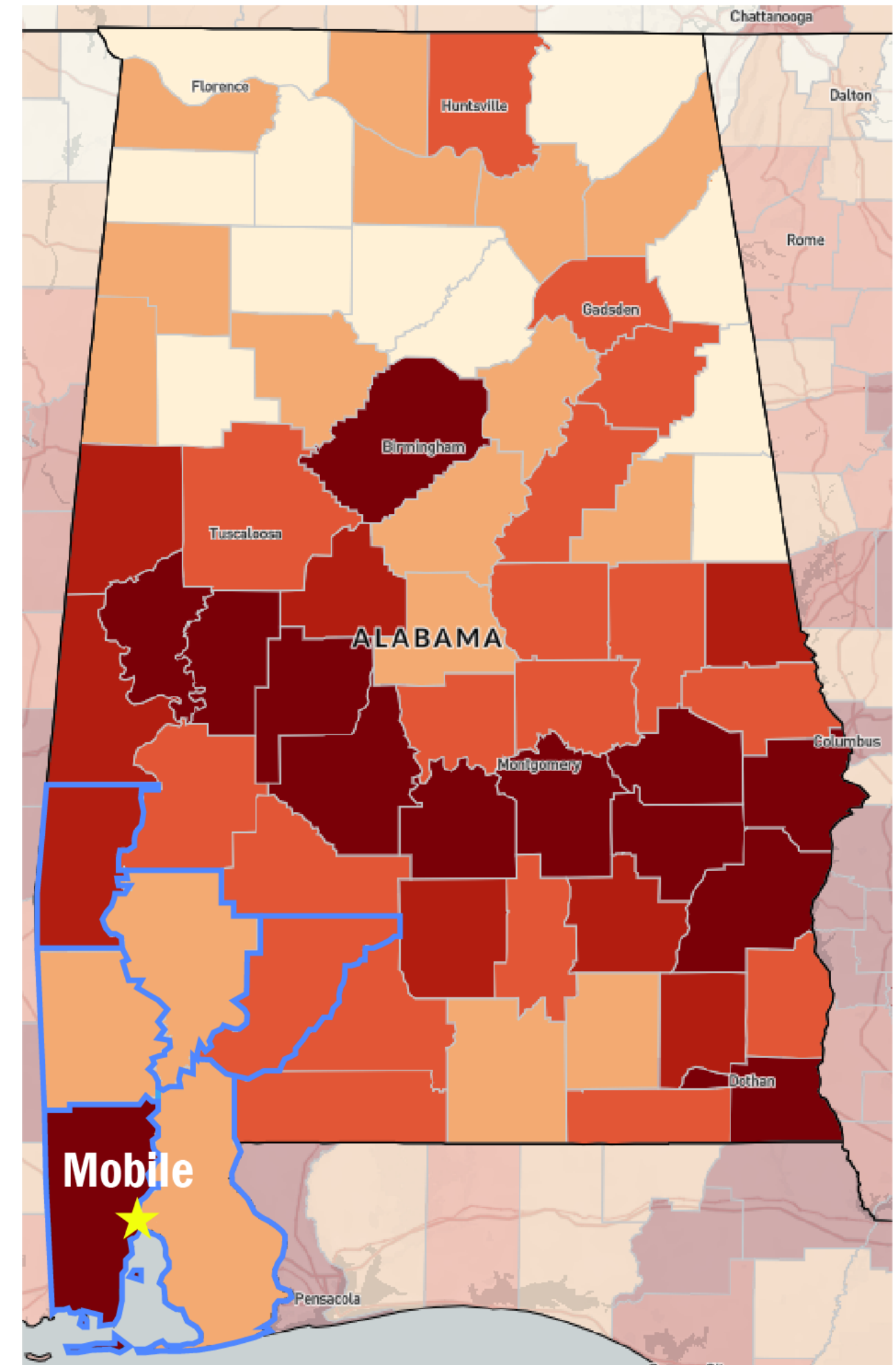
Matthews, *OFID.* 2023

Population

- Alabama is one of 7 EHE Priority States

- Mobile County Health Department (MCHD) and Southwestern AL county communities with high need for HIV testing, linkage to care, rapid ART start to meet EHE goals.

Geographic area

- Mobile, Alabama and 5-county surrounding area.
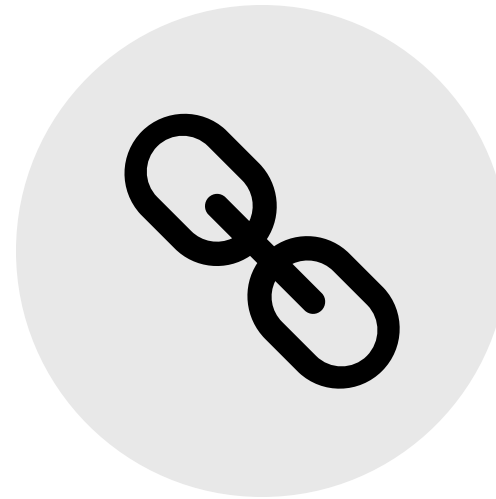

Rates of Persons Living with HIV per 100k, 2022

| 12 | 114 | 200 | 304 | 428 |

Combination Testing, Linkage, and Viral Suppression Intervention
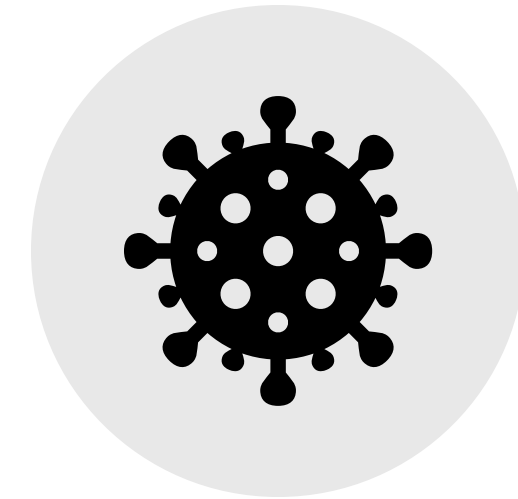
TESTING

Data-driven community-based HIV testing

LINKAGE

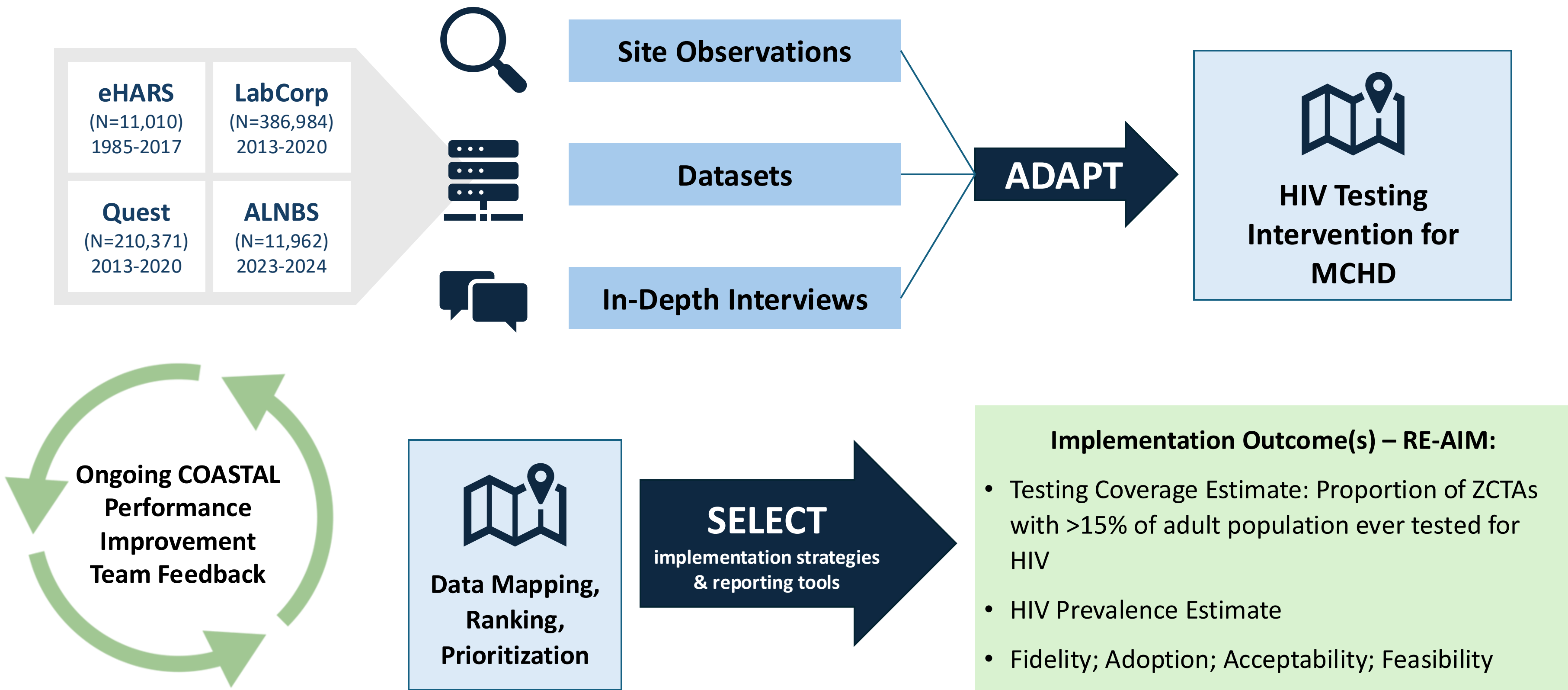Adapt Project Connect using PRAPARE Tool

VIRAL SUPPRESSION
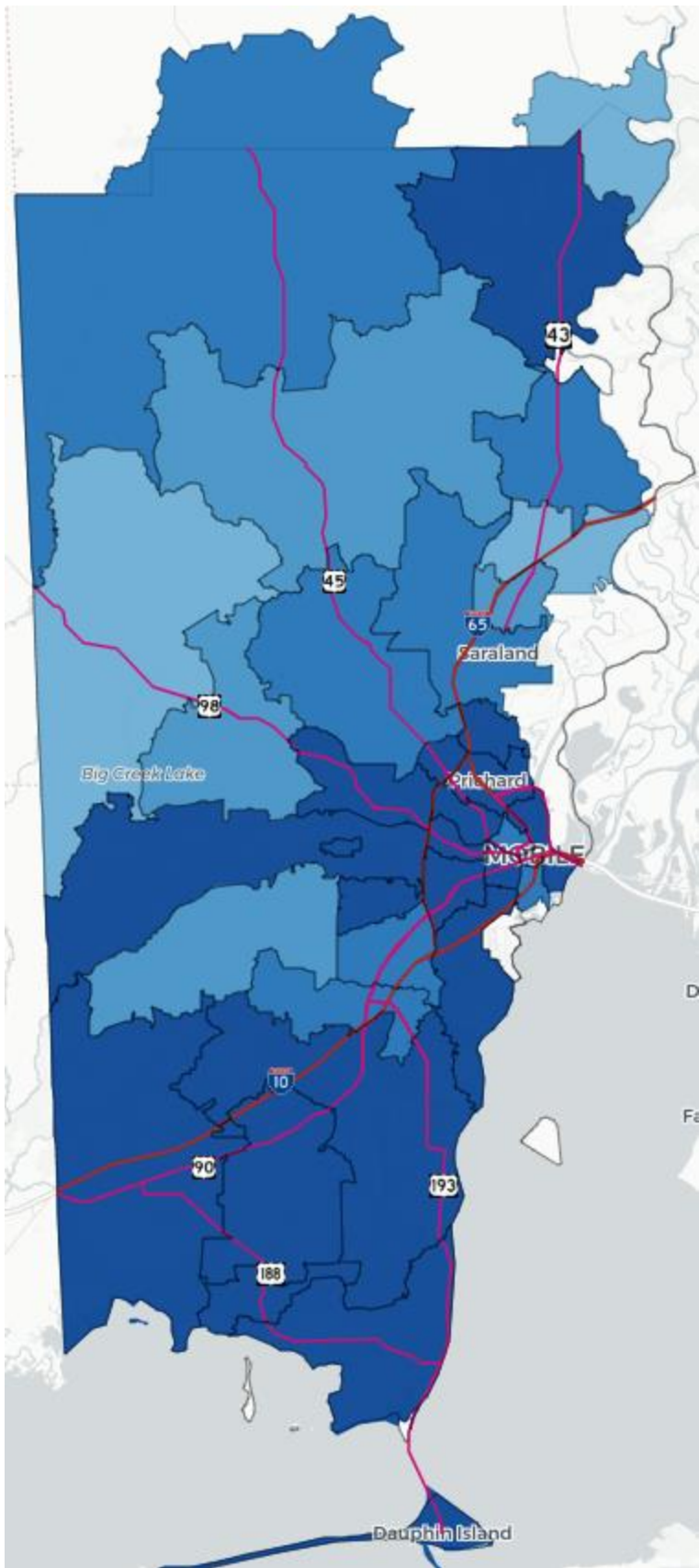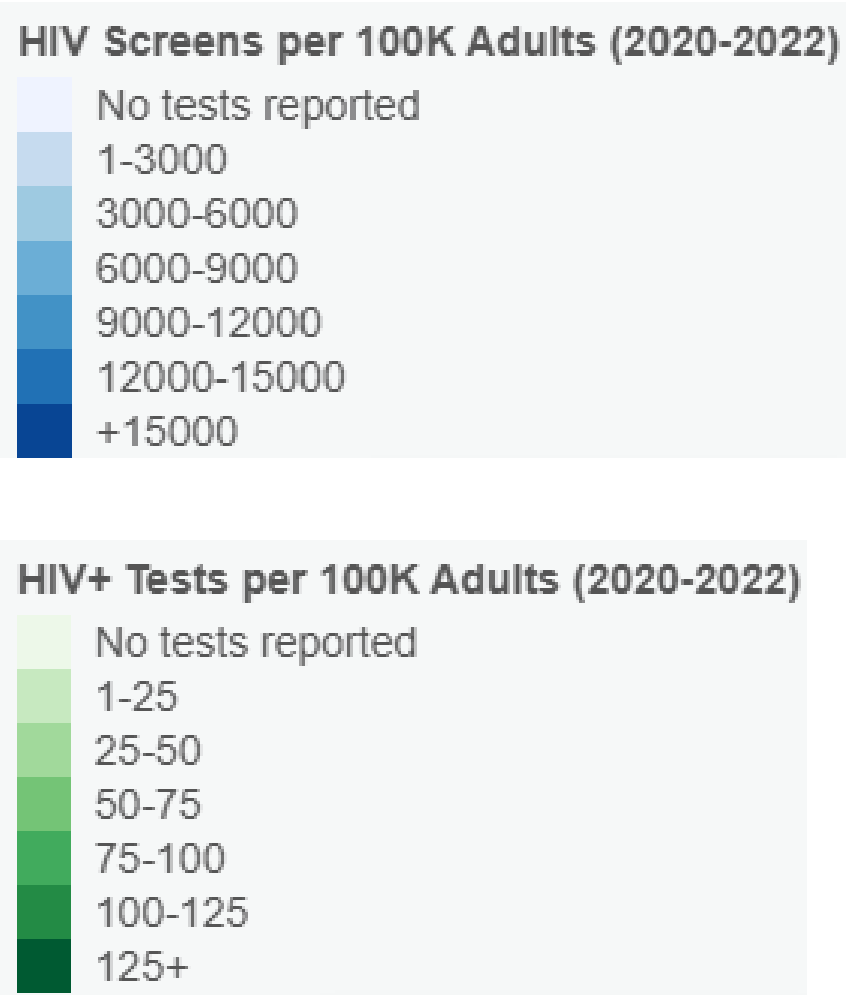

Implementation of rapid ART programs

PRAPARE: Protocol for Responding to and Assessing Patients' Assets, Risks, and Experiences

Poster 129 – Cheritte Peterson and Michelle Bernard

Methods: Adapting data-informed testing outreach to local context

eHARS – AL Dept of Public Health's Enhanced HIV/AIDS Reporting System
ALNBS – Alabama NEDSS Base Surveillance System

Hearld et al. Annals of Epidemiology 2024; Pratt et al. Fast Track Cities 2023 Abstract 1368.

Results

HIV Screens per 100K Adults (2020-2022)

- No tests reported
- 1-3000
- 3000-6000
- 6000-9000
- 9000-12000
- 12000-15000
- +15000

HIV+ Tests per 100K Adults (2020-2022)

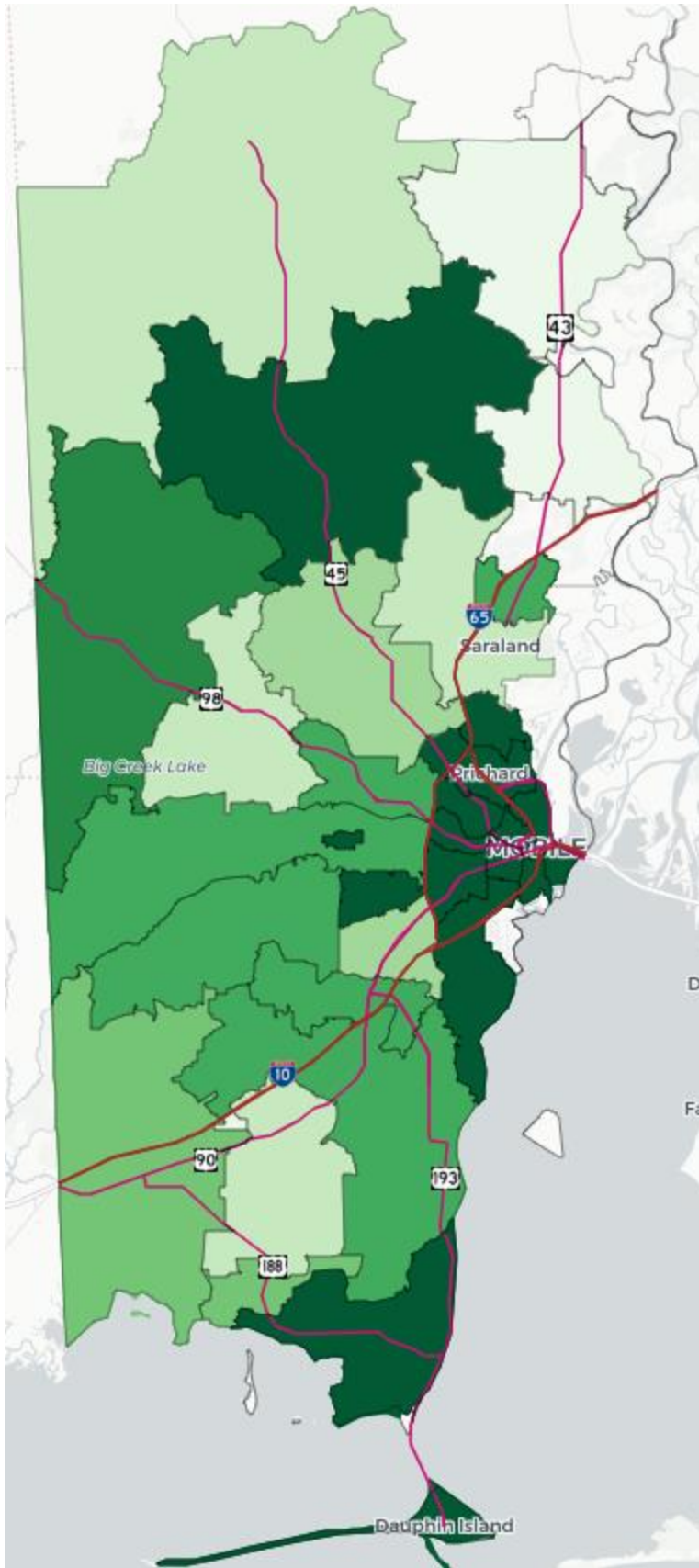- No tests reported
- 1-25
- 25-50
- 50-75
- 75-100
- 100-125
- 125+

Mobile County

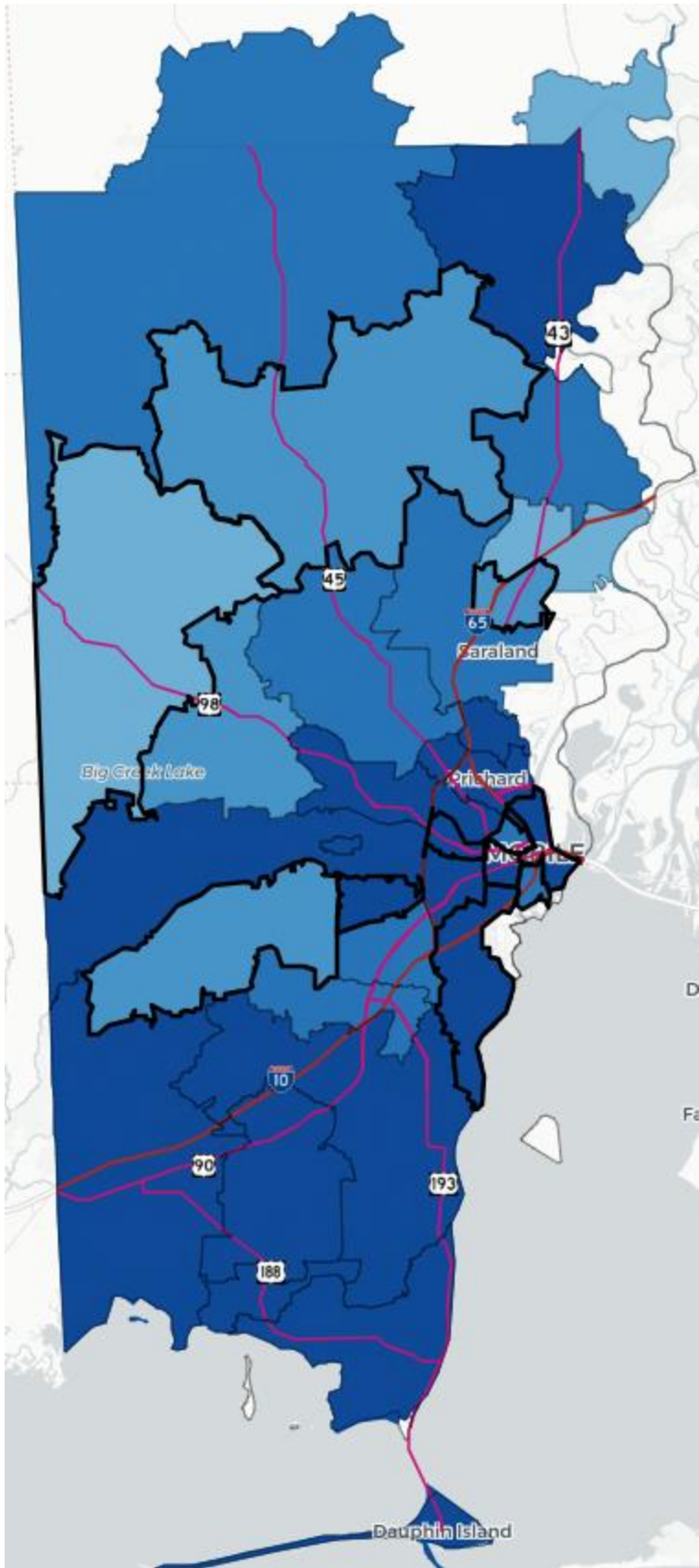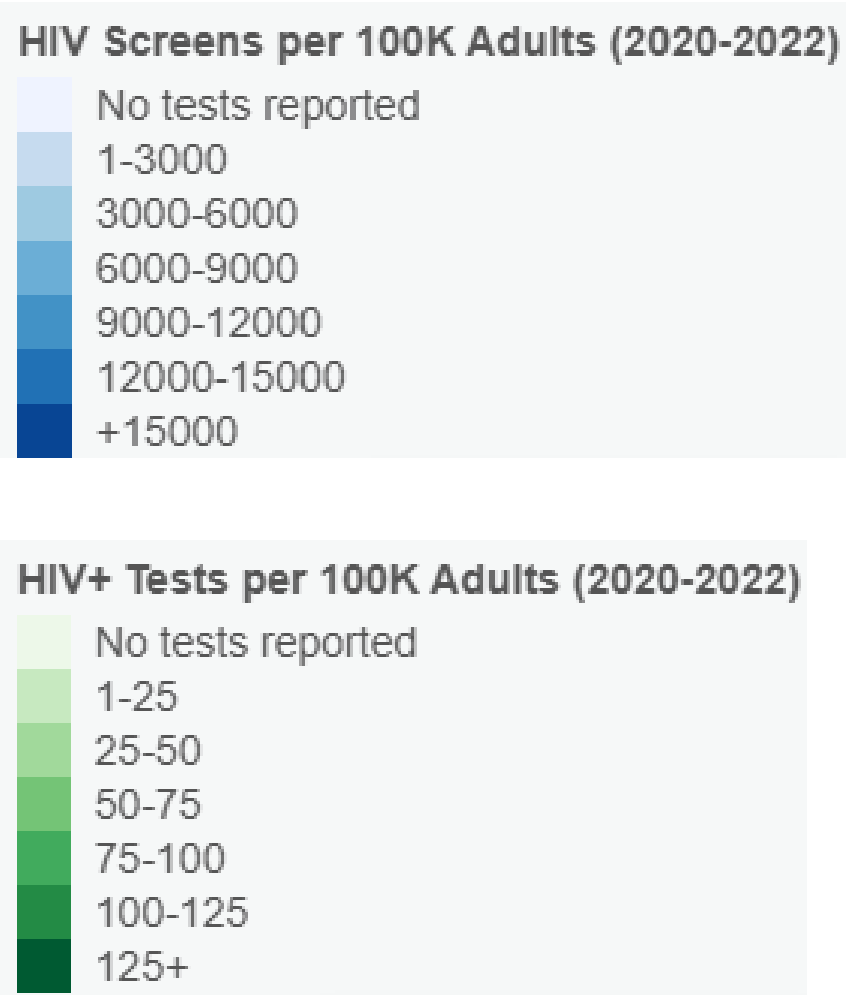HIV tests per 100k adult population, 2020-2022

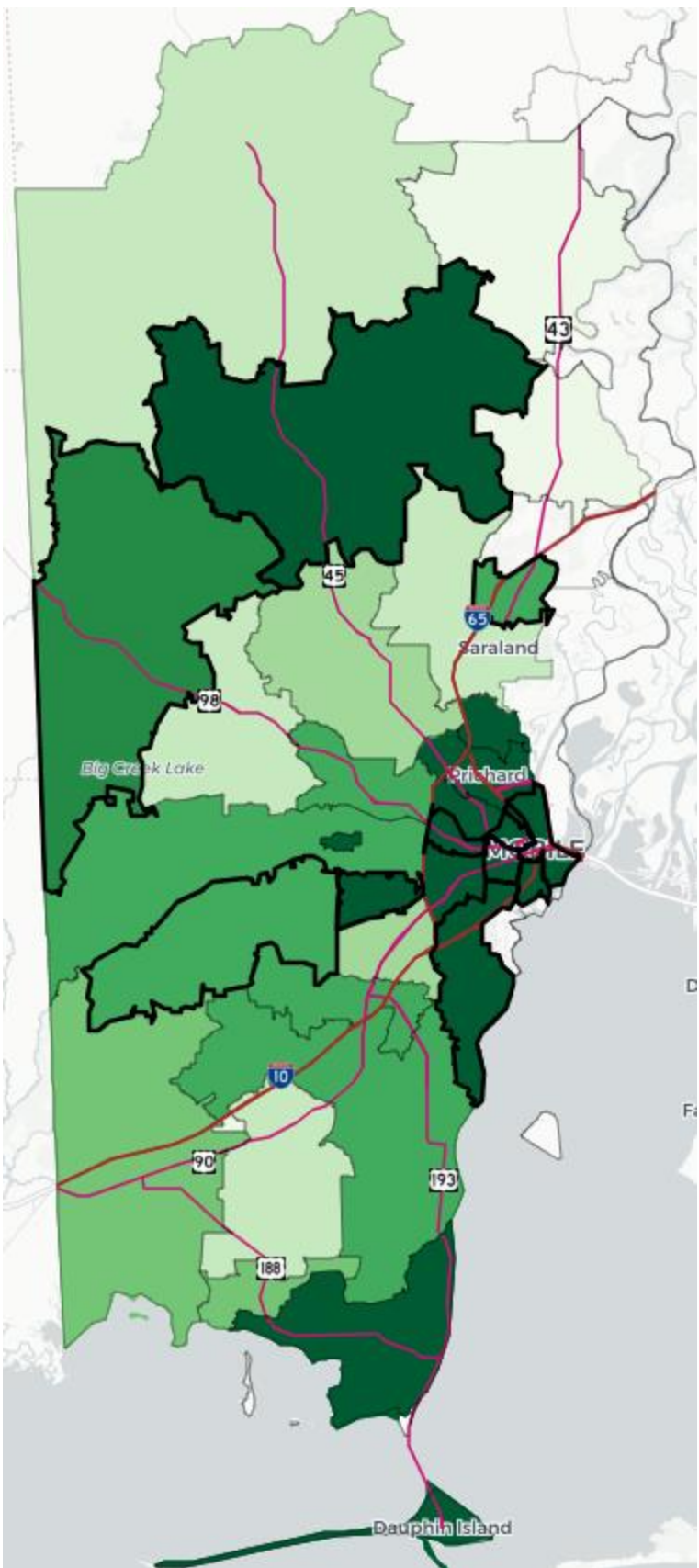HIV cases per 100k adult population, 2020-2022

We identified 5 priority ZCTAs for testing outreach. During 2020-2022, selected ZCTAs had a median (range) estimated coverage of 11.7% (9.9-17.3%) and HIV test positivity of 0.26% (0.10-2.8%).

HIV Screens per 100K Adults (2020-2022)
- No tests reported
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- 9000-12000
- 12000-15000
- +15000

HIV+ Tests per 100K Adults (2020-2022)
- No tests reported
- 1-25
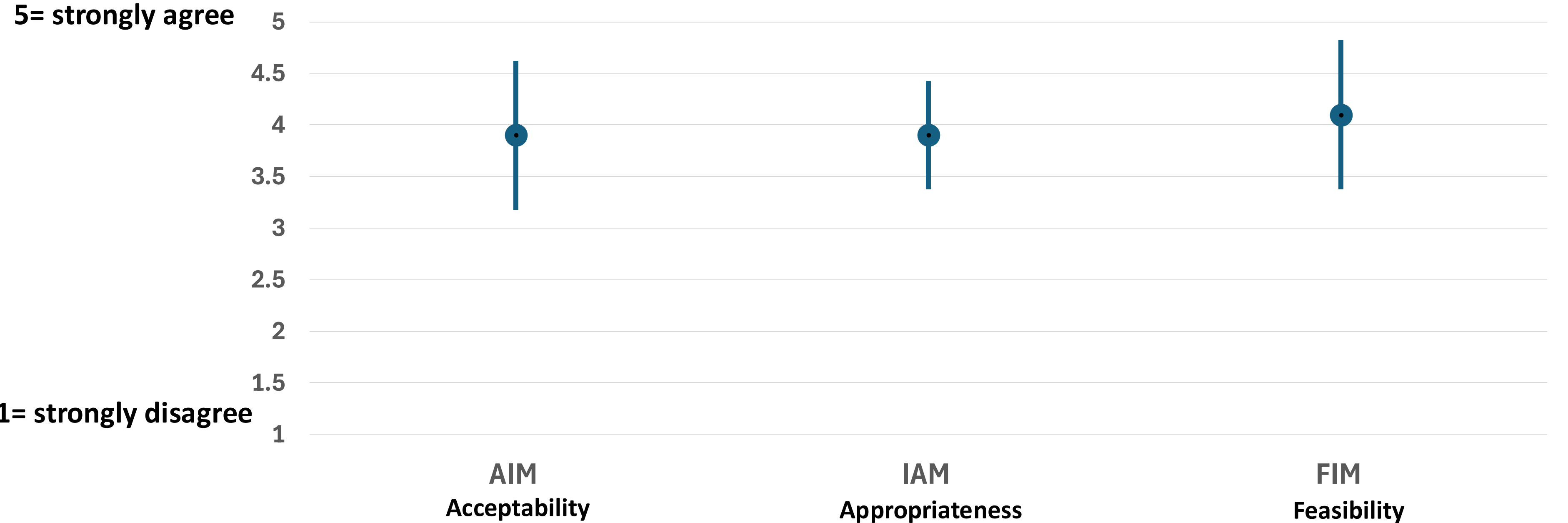- 25-50
- 50-75
- 75-100
- 100-125
- 125+

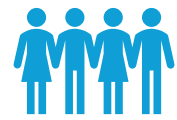**Mobile County**

HIV tests per 100k adult population, 2020-2022

HIV cases per 100k adult population, 2020-2022

Attitudes regarding testing intervention at baseline, N=16

Results: Implementation strategies to increase testing outreach in prioritized areas

Community stakeholders

Tailored incentives

Supporting local service providers

Mobile-based testing community of practice

Data review

Conclusions and Next Steps

- We leveraged an academic/public health partnership and commercial and public health data to adapt a data-informed approach to increase HIV testing reach in Alabama.

- The approach was rated feasible, acceptable, and appropriate

- Longitudinal public health data will be used to evaluate if this approach successfully increases testing coverage in the focus areas.

Thank you

UAB

- Aadia Rana, Larry Hearld, Emily Levitan, John Bassler, Donna Smith, Madeline Pratt, Mariel Parman, Joseph Alanaeme, Michael Mugavero

Mobile County Health Department

- Kevin Michaels, Rendi Murphree, Stephanie Woods-Crawford, Michelle Bernard, Cheritte Peterson
- Clinical teams, GIS team, DIS workers, Community health workers
- Community Advisory Board

- **Poster 129 – C. Peterson, M. Bernard**

Community partners

- Alabama Department of Public Health
- AIDS Alabama South
- Franklin Primary Health
- Birmingham AIDS Outreach
- Jefferson County Dept of Health
- Five Horizons Health Services
- Lifelines Counseling Services
- University of South Alabama

Funders

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