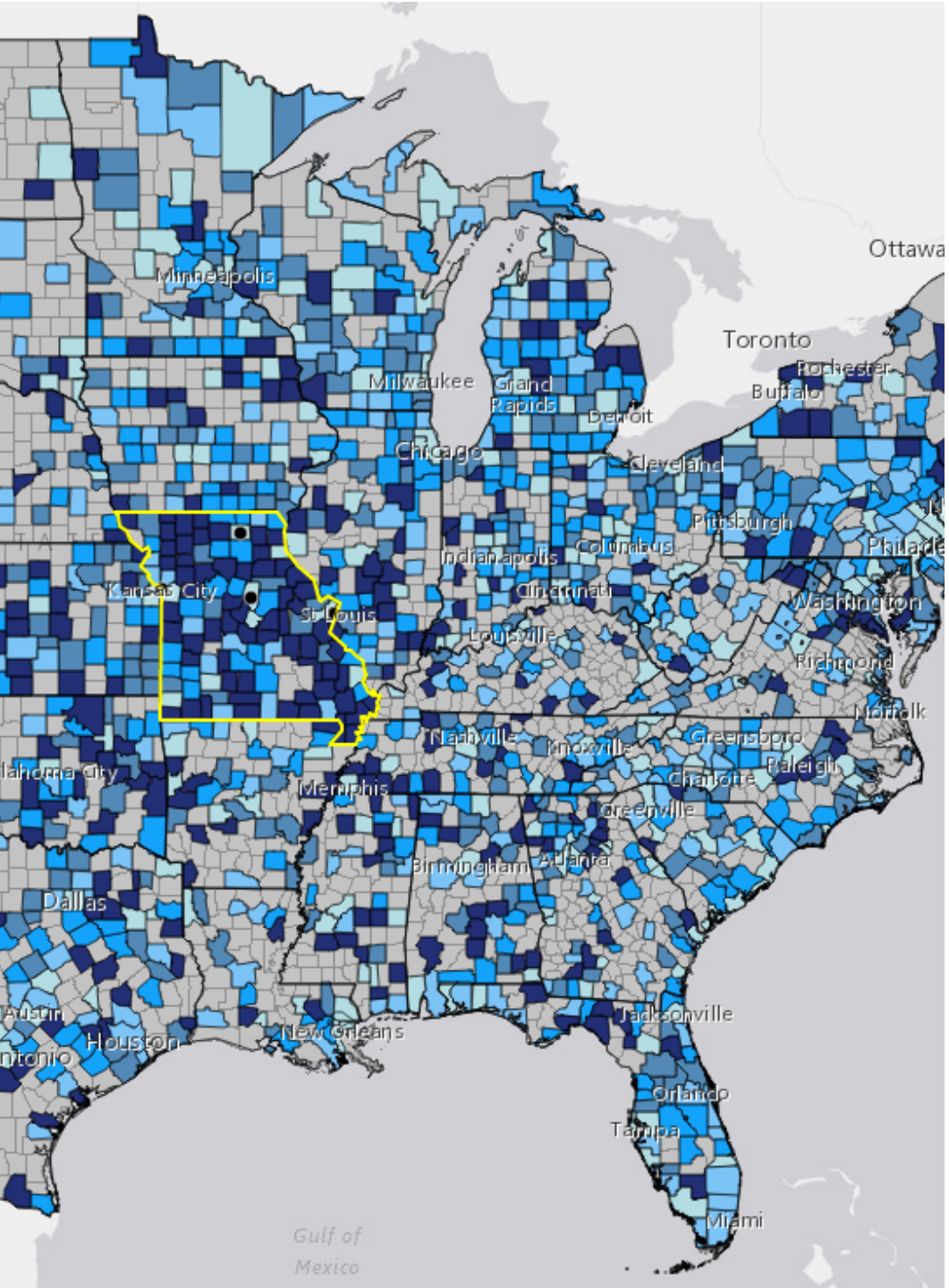
WE WILL START 2 MINUTES AFTER THE HOUR

Slides for today's webinar can be found in the Handouts section of the GoToWebinar attendee interface



Maternal Health Research

HealthLandscape℠

GOTOWEBINAR ATTENDEE SCREEN

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Type questions into the question box (do not raise hand)

Today's Agenda and Objectives

We will cover the following topics:

- About HealthLandscape
- Maternal health care research
- HealthLandscape maternal health research example
  - Identify target counties for family physician recruitment/training for obstetrical care
- Finding user support after the webinar

So that you will be able to:

- Understand issues related to the maternal health care crisis
- Be aware of actions to address the maternal health care crisis
- Use mapping tools to explore maternal health needs and health care capacity

HealthLandscape is a social enterprise of the American Academy of Family Physicians (AAFP)

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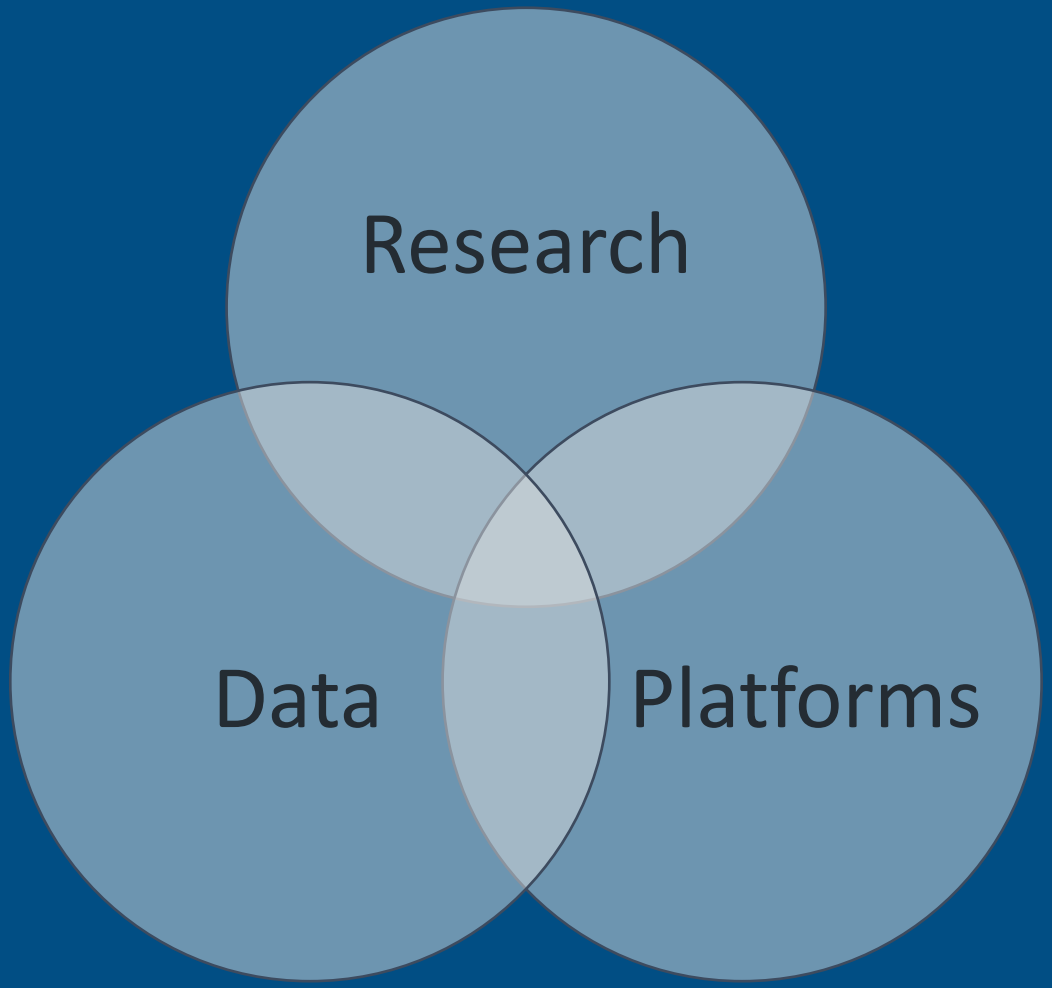
HealthLandscape works with internal and external clients according to their needs



Geospatial Analysis

- Translate spreadsheets of information into modern visuals
- Search maps for disparities and areas of greatest need
- Filter information from the global view to the local level

Geospatial Methods

Hot spot, cold spot, and bright spot analysis

Co-location mapping

Data Integration

Layer your data to discover actionable insights

Maximize your data while minimizing inconsistencies

A safe, secure, and simple way to analyze your proprietary data

Key Data Sets

- CDC PLACES
- County Health Rankings
- Appalachia Regional Commission

Emerging Topics

- COVID-19
- Firearm deaths
- Maternal health

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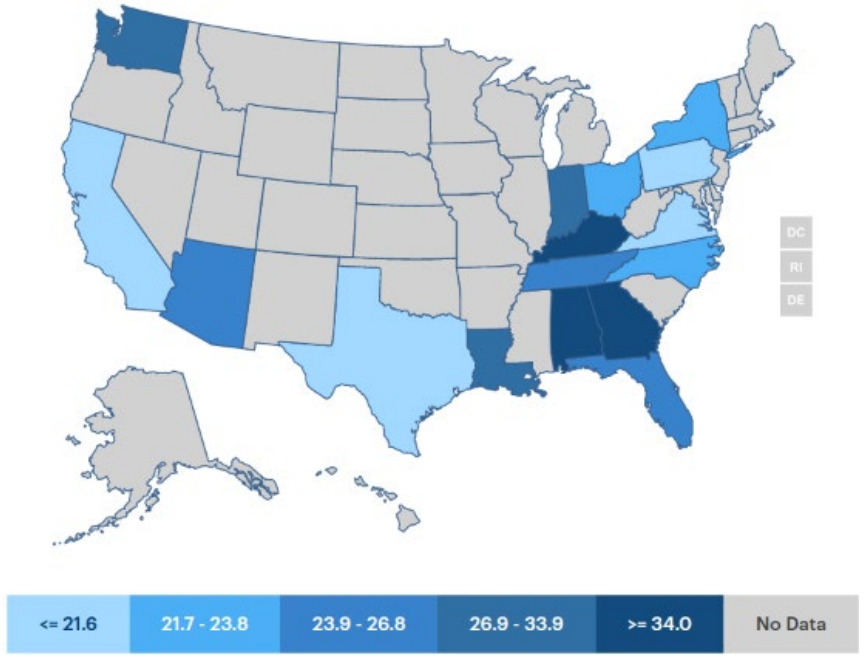
Contact us to discuss a custom solution for your organization:

202-655-4933 or
info@healthlandscape.org

Maternal Health Research

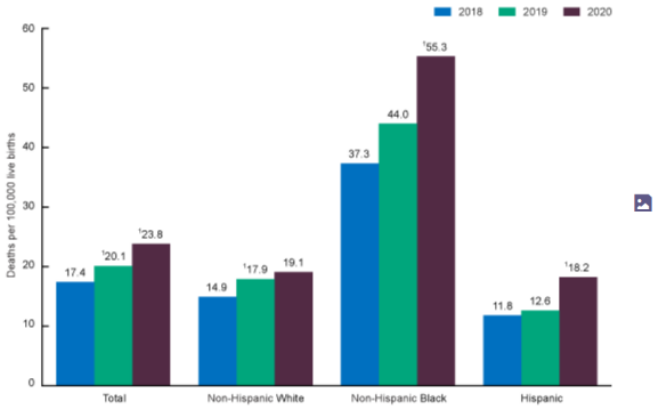
Problem: Maternal Mortality

- U.S. vs. other countries
- Increase in recent years
- Variation by geography
- Racial disparities



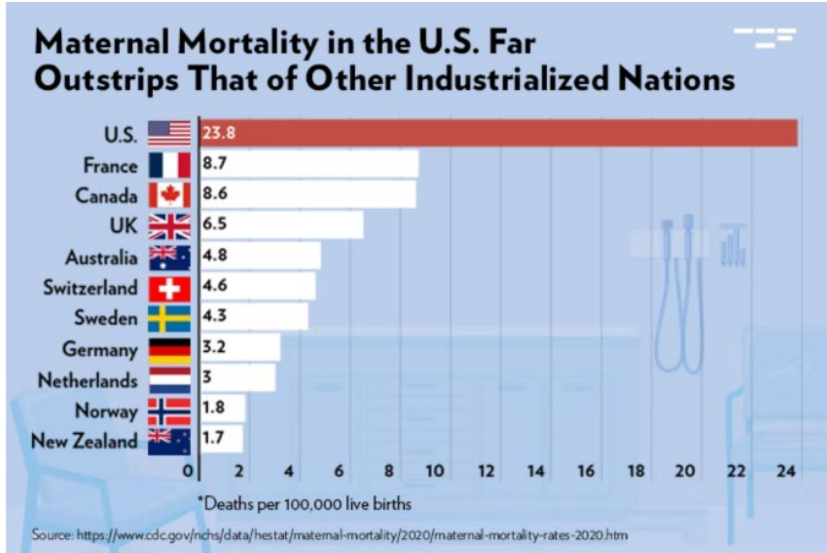
https://www.americashealthrankings.org/explore/health-of-women-and-children/measure/maternal_mortality_b/state/ALL?edition-year=2021

Figure 1. Maternal mortality rates, by race and Hispanic origin: United States, 2018–2020



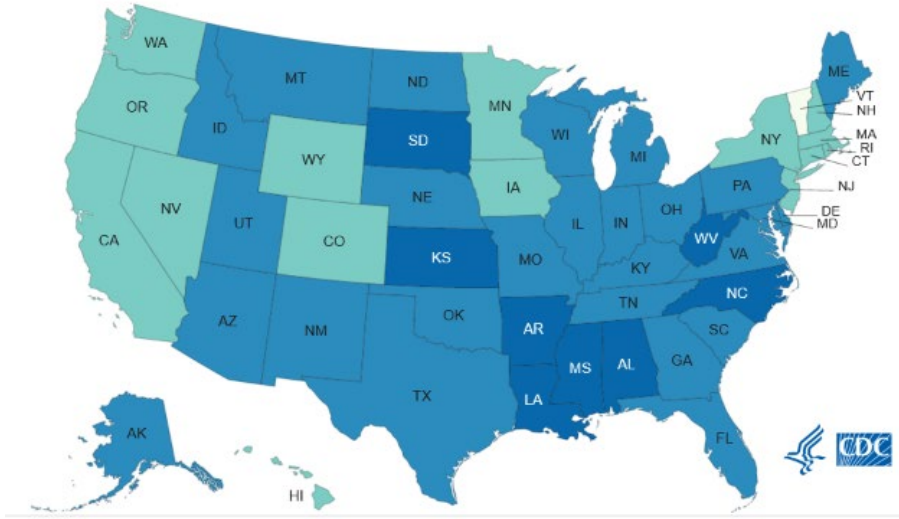
[1]Statistically significant increase in rate from previous year ($p < 0.05$).
NOTE: Race groups are single race.
SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.
https://www.cdc.gov/nchs/data/hestat/maternal-mortality/2020/maternal-mortality-rates-2020.htm#figures

https://tcf.org/content/commentary/worsening-u-s-maternal-health-crisis-three-graphs/



Related Outcomes

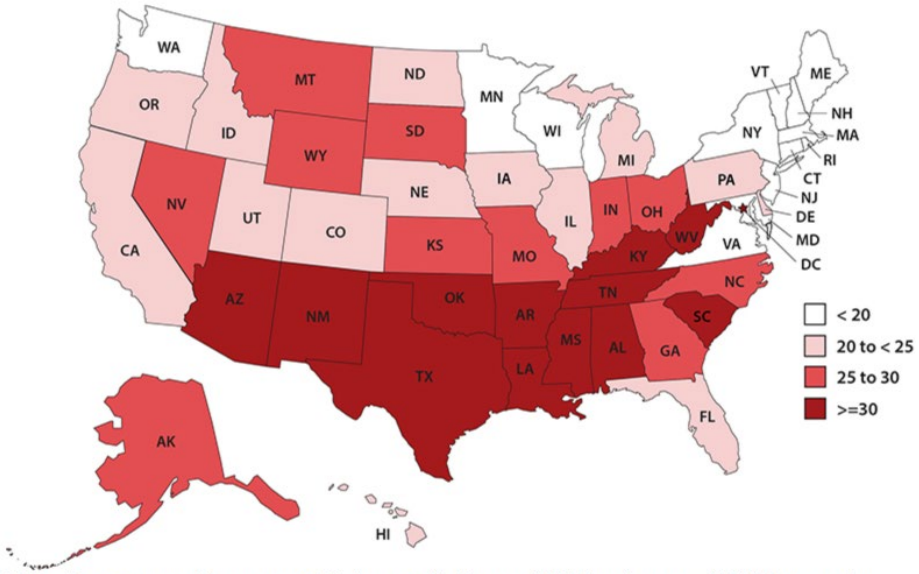
- Infant mortality
- Low birth weight
- Teen births



Death Rates[1]

- 0 - < 1.65
- 1.65 - < 3.31
- 3.31 - < 4.96
- 4.96 - < 6.62
- 6.62 - 8.27

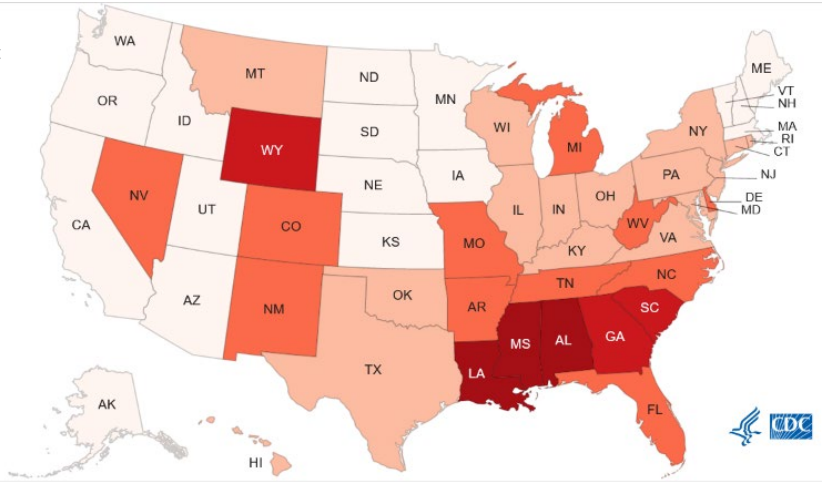
https://www.cdc.gov/reproductivehealth/maternalinfanthealth/infantmortality.htm



United States map with state teen birth rates (births per 1,000 females ages 15-19) by quartile.

https://www.cdc.gov/nchs/pressroom/sosmap/teen-births/teenbirths.htm

https://www.cdc.gov/nchs/pressroom/sosmap/lbw_births/lbw.htm

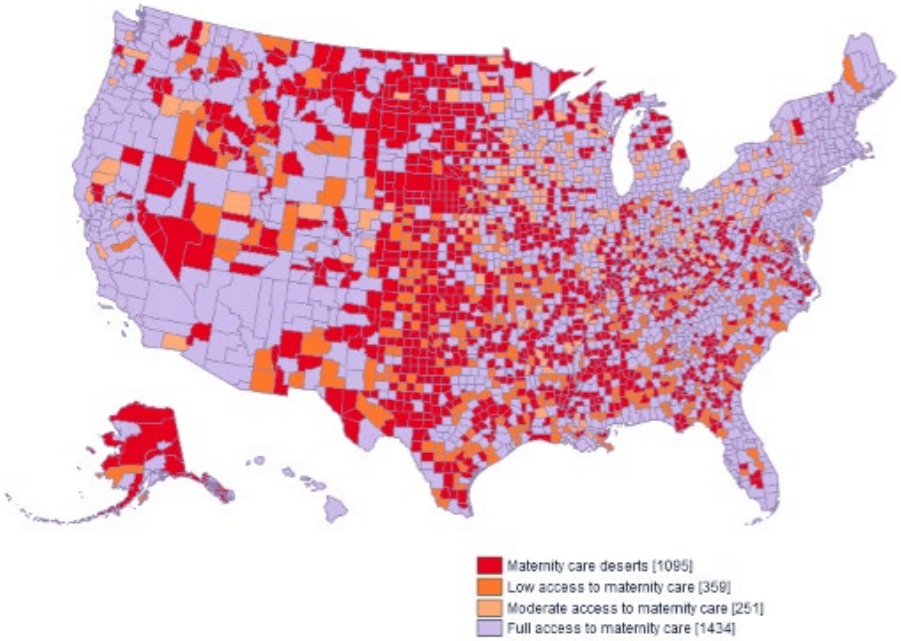


Low Birthweight Rates[1]

- 6.5 - < 7.56
- 7.56 - < 8.62
- 8.62 - < 9.68
- 9.68 - < 10.74
- 10.74 - 11.8

Related Factors

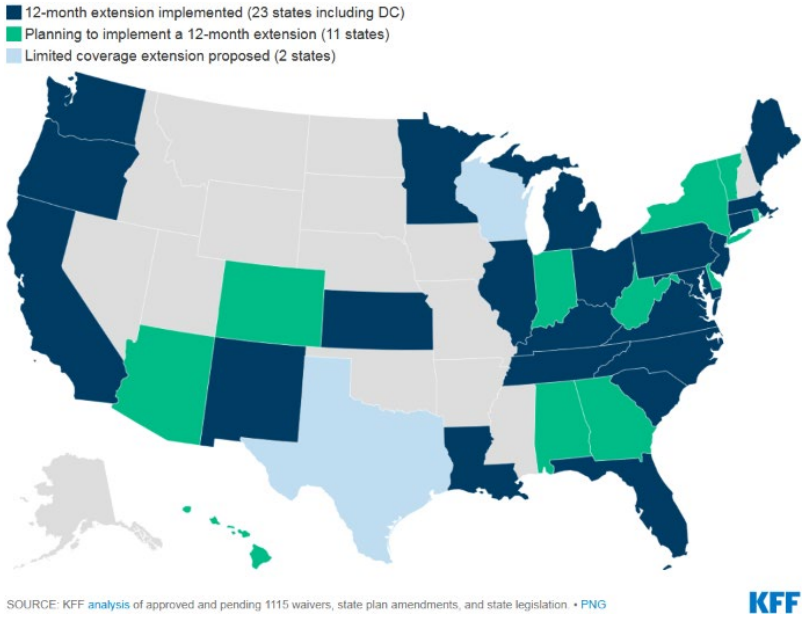
- Uninsurance
- Medicaid expansion
- Maternity care deserts



Maternity Care Deserts, United States, 2018

Source: U.S. Health Resources and Services Administration (HRSA), Area Health Resources Files, 2019

https://www.marchofdimes.org/research/maternity-care-deserts-report.aspx



https://www.kff.org/medicaid/issue-brief/medicaid-postpartum-coverage-extension-tracker/

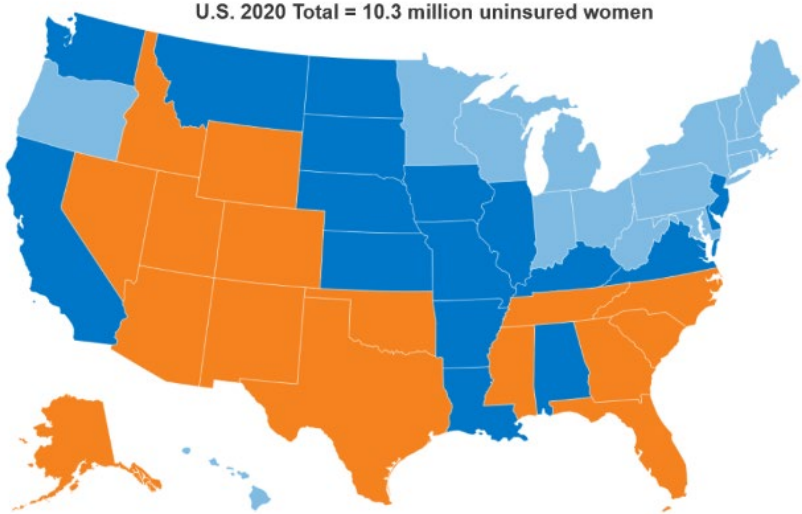
https://www.kff.org/womens-health-policy/fact-sheet/womens-health-insurance-coverage/

Uninsured Rates Among Nonelderly Women, by State, 2020

Share of Uninsured Women, 19-64

3% thru 7% 8% thru 11% 12% thru 22%

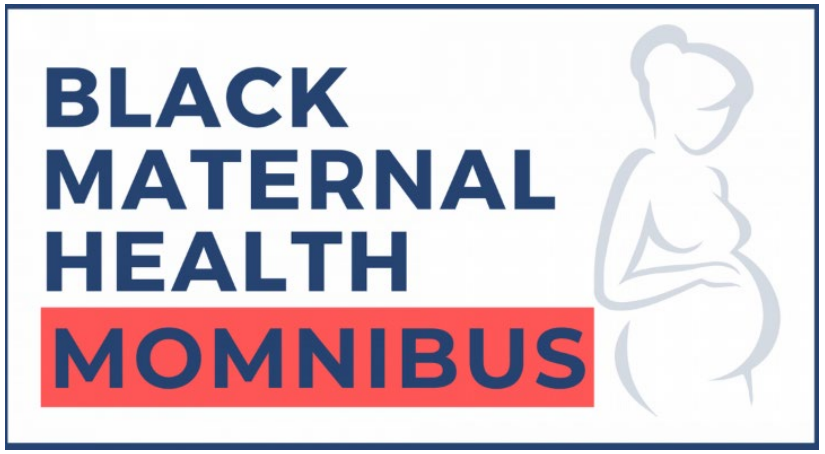
U.S. 2020 Total = 10.3 million uninsured women



Taking Action

- White House Blueprint
- Maternal Care Target Areas
- Black Maternal Health Momnibus
- Post-partum Medicaid expansion
- Workforce diversity
- Social determinants of health

https://www.whitehouse.gov/wp-content/uploads/2022/06/Maternal-Health-Blueprint.pdf



https://blackmaternalhealthcaucus-underwood.house.gov/Momnibus

ACOG Celebrates Long Overdue Passage of the Maternal Health Quality Improvement Act

https://www.acog.org/news/news-releases/2022/03/acog-celebrates-passage-of-maternal-health-quality-improvement-act

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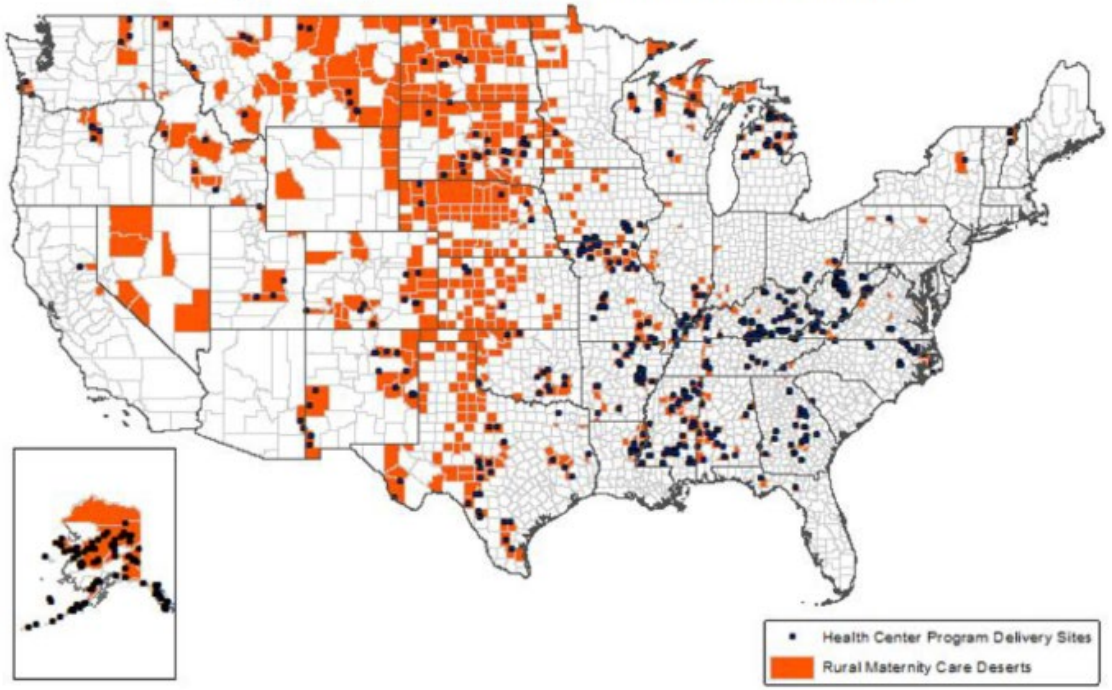
Geographic Approaches

- Targeting high-need areas
  - Outcomes
  - Related factors
  - Social determinants of health
- Mapping health care access
  - Providers
  - Hospitals

Exploring Health Center Capacity in Rural Maternity Care Deserts



https://bphc.hrsa.gov/sites/default/files/bphc/data-reporting/brief-1.pdf

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PLEASE REMEMBER TO TYPE IN QUESTIONS

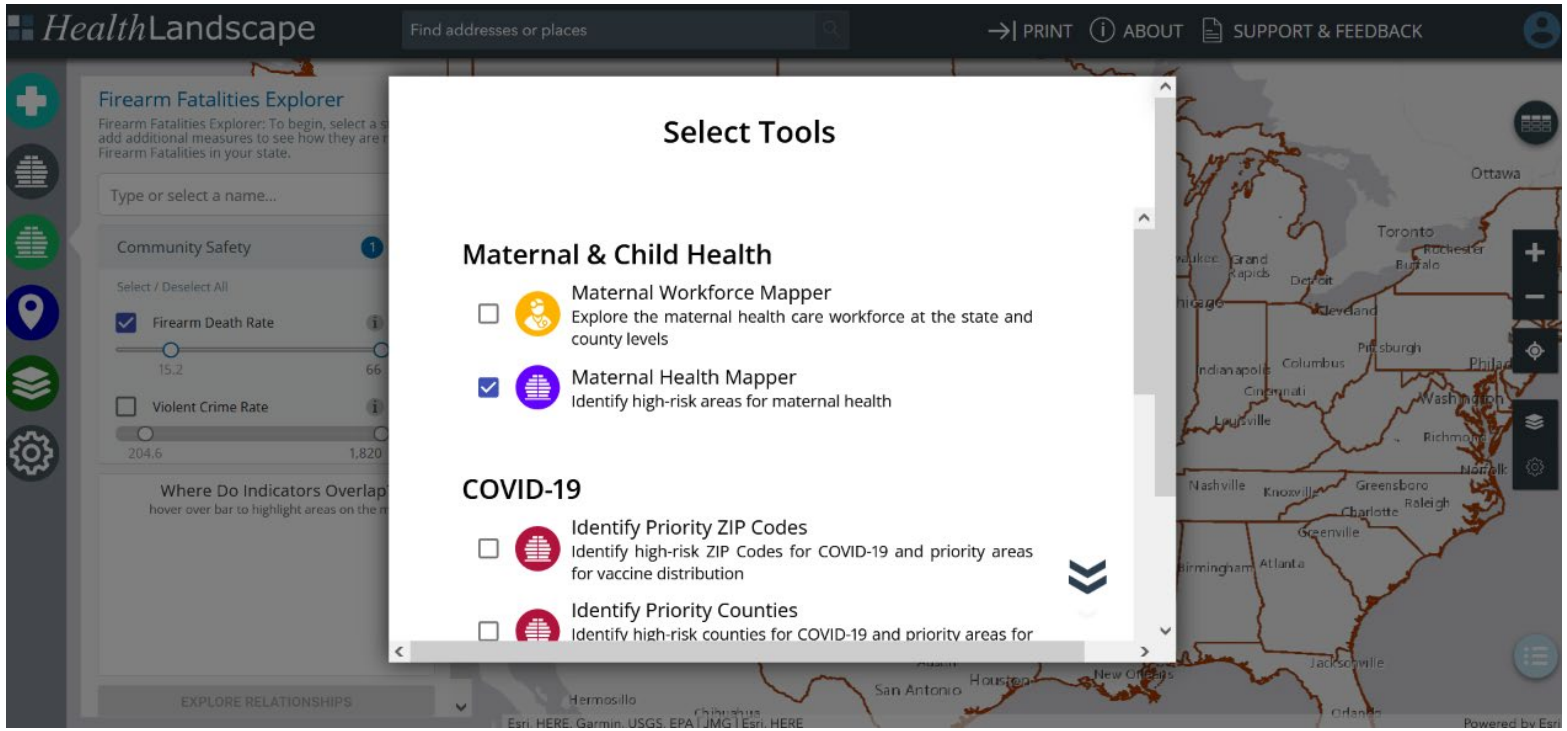
Open/close control panel with orange arrow

Keep control panel open by clicking **View** and unchecking **Auto-Hide the Control Panel**

Type questions into the question box (do not raise hand)

Maternal Health: Identifying Areas of Need

Using HealthLandscape to help AAFP State Chapter target counties with highest need for obstetrical recruitment/training, while exploring current family physician potential capacity in these areas



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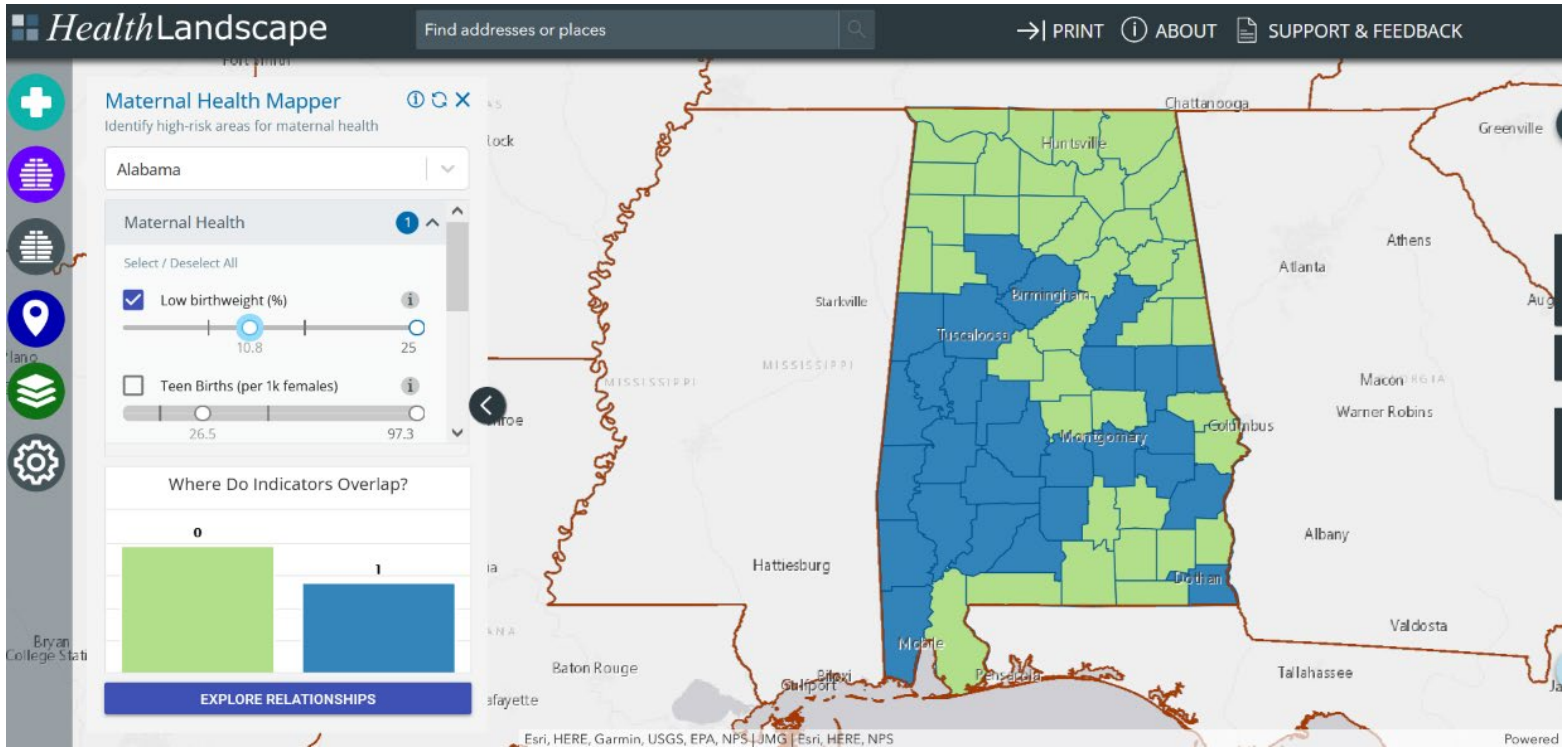
Maternal Health: Identifying Areas of Need

- Open **Maternal Health Mapper**
- **Select State** (Alabama)
- **Adjust Low birthweight slider** to state threshold (10.8%)
- Map displays 28 counties (in blue) with low birthweight rate of 10.8% or higher



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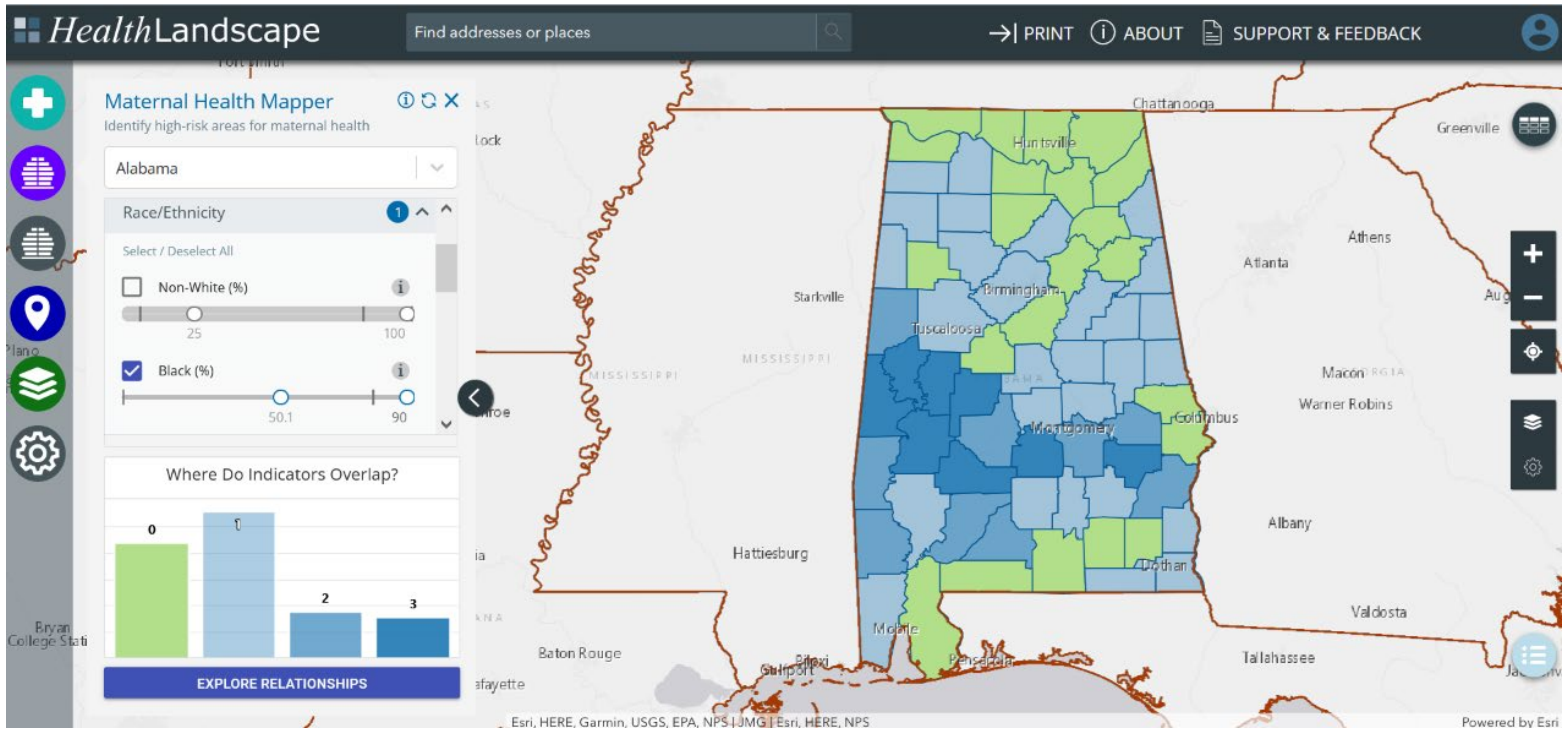
Maternal Health: Identifying Areas of Need



- Scroll down in Maternal Health group and select **Maternity Care Deserts**
- Scroll down to Race/Ethnicity group and select **Black (%)**
- **Adjust slider** to 50%
- Map displays 8 counties (in blue) with **low birthweight rate of 10.8%** or higher and **% Black of 50%** or higher that are also **maternity care deserts** (county with no OB/GYNs, certified nurse midwives, or a hospital providing obstetric care)

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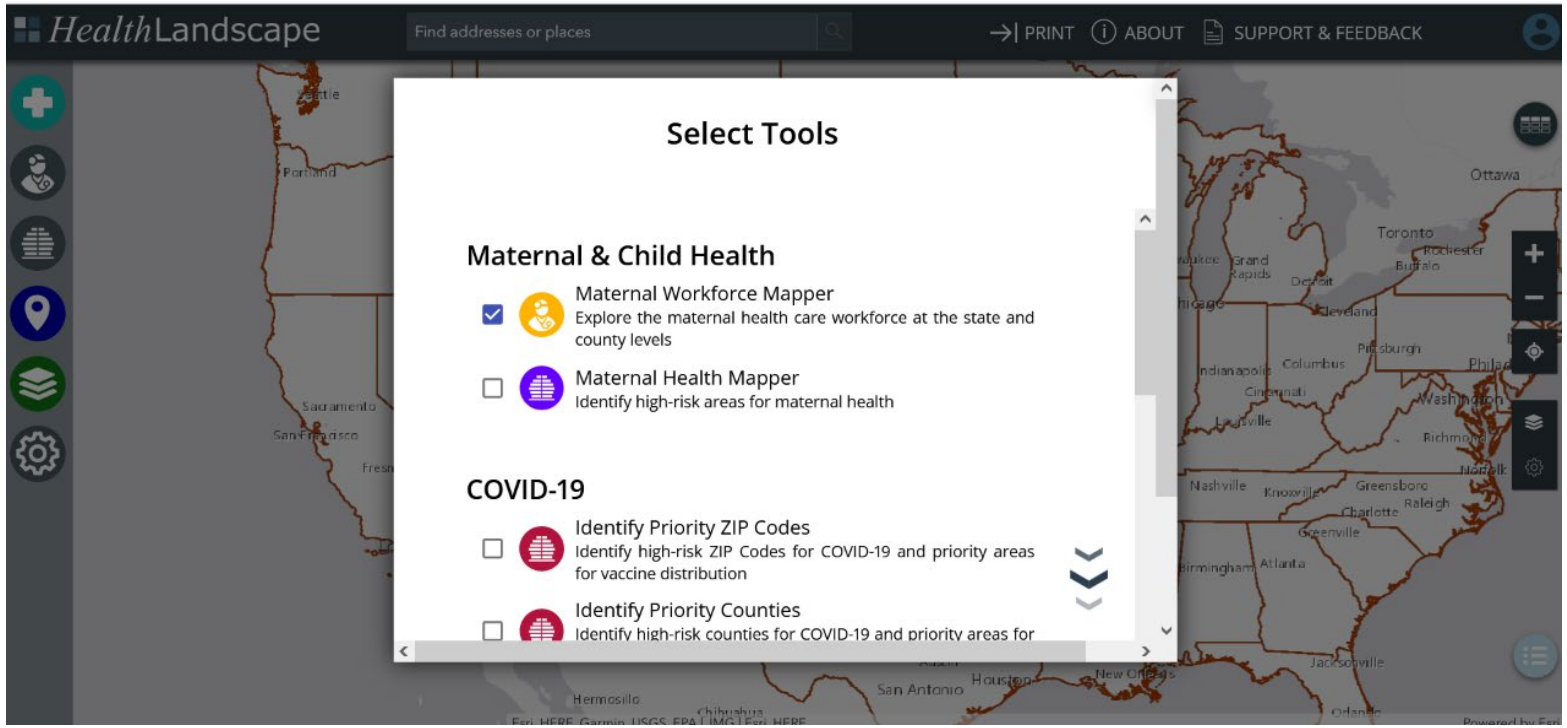
Maternal Health:
Exploring Health Care Capacity



- Select **Maternal Workforce Mapper**

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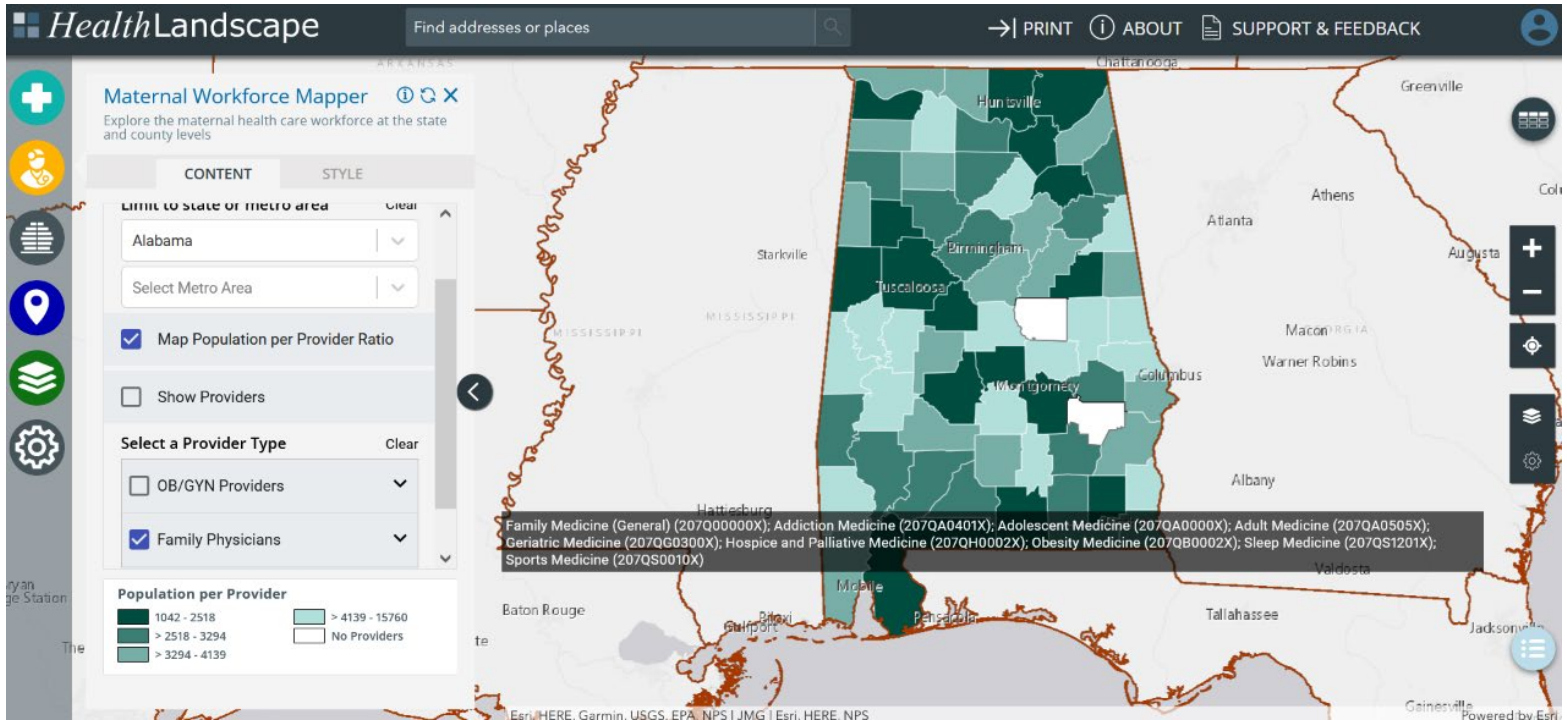
Maternal Health: Exploring Health Care Capacity

- Open **Maternal Workforce Mapper**
- **Select State** (Alabama)
- **Select Family Physicians**
- Map displays population per provider rates for Alabama counties (lighter colors → fewer providers per population)



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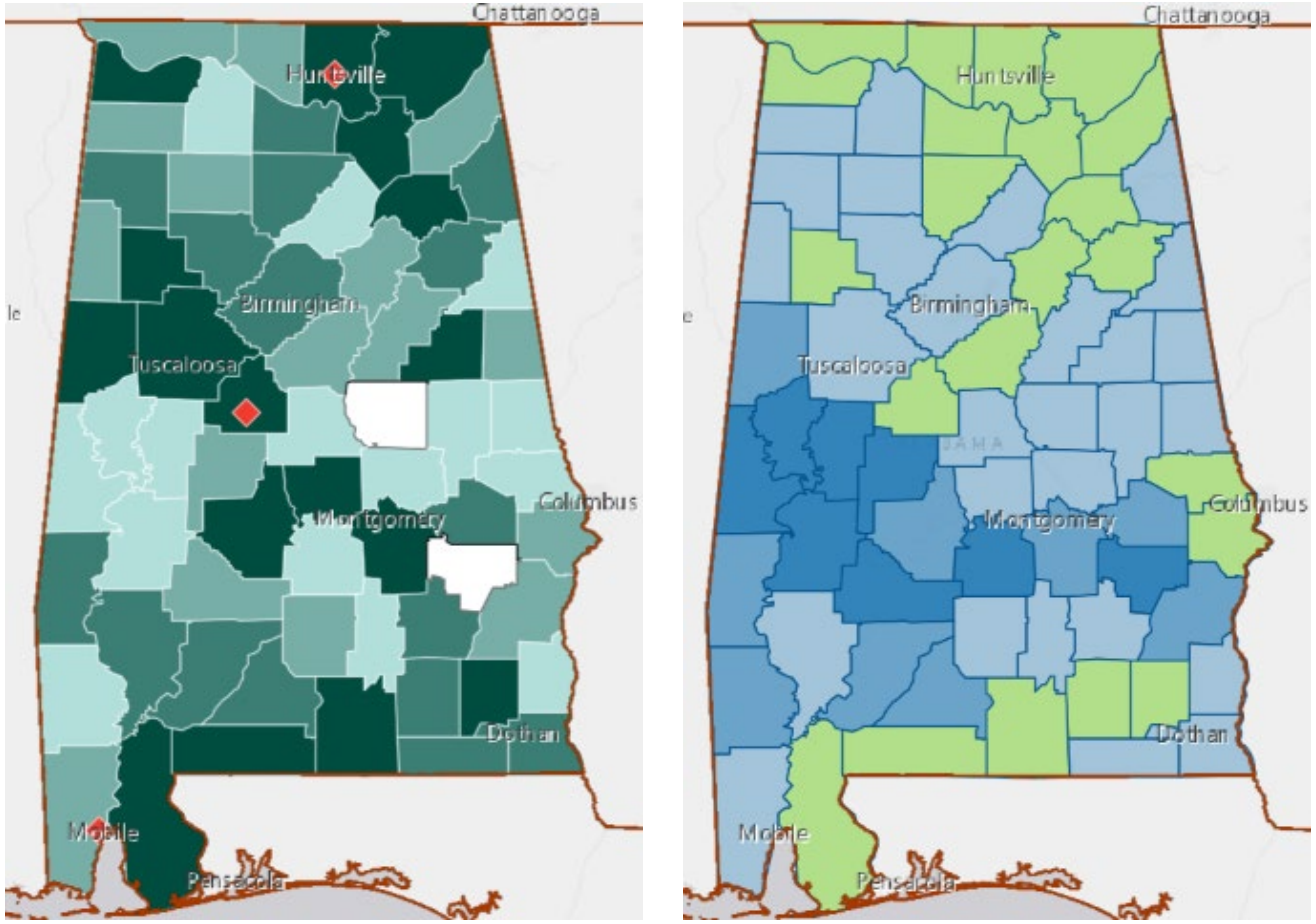
Targeting Family Physician OB Recruitment/Training in Southwest Alabama

- Several counties are maternity care deserts, have high low birth weight rates, and large percentages of Black populations
- In general, these counties have low rates of family physicians per population, though all but one target county have at least 1 family physician
- Red diamonds -> Family Medicine Obstetric Fellowship Programs



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Thank You

Questions? Comments? Concerns?

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MTopmiller@HealthLandscape.org

www.HealthLandscape.org
www.UDSMapper.org

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