Geographic Accessibility to Contraceptives and the Potential Impact of Pharmacist Prescribing: Comparing Georgia Counties with Majority Non-White versus Majority White Demographics

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Introduction

- Unintended and teenage pregnancy rates in Georgia are higher than the national average.4
- Minority women are less likely to utilize highly or moderately effective contraceptive methods due to socioeconomic and access issues.2
- In Georgia, 44.4% of reproductive aged women identify as a racial minority.
- Pharmacist prescribed hormonal contraception (HC) is one approach to improve access.
- Pharmacist prescribed HC does not require an appointment and is authorized in over 20 states, but not in Georgia.

Objectives

- · Explore how pharmacist prescribed contraception could potentially increase care access points for HC and facilitate patient care.
- Compare differences between Georgia counties with a majority of women who identify as non-white vs white.

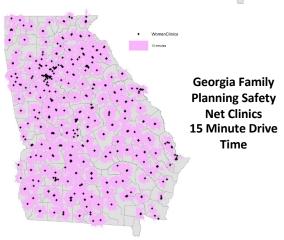
Methods

- Retrospective, cross-sectional study.
- 2019 US Census provided county and population data.3
- A list of 2021 licensed community pharmacies was obtained from the Georgia Board of Pharmacy.
- · Georgia Department of Public Health, Planned parenthood, and Federally Qualified Health Centers websites were used to identify safety net family planning clinics providing lowcost or free contraceptive services.
- Teenage pregnancy rates were acquired from the County Health Rankings and Roadmaps.6
- Family Planning Safety net clinics and community pharmacy addresses were mapped utilizing ArcGIS Desktop and ArcGIS Online's Create Drive-Time Areas analysis tools.1
- Women of reproductive age (15-49 years old) were considered non-white women if they identified as African American, Asian, American Indian or Alaskan Native. Native Hawaiian or other Pacific Islander, or Multiracial.
- Chi square and t-test statistics were used.5

Results

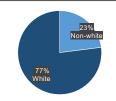
In Georgia, permitting pharmacist prescribed hormonal contraception has the potential to increase patient access points in 95% of counties.





Results

Georgia Counties Where 50% of Reproductive Aged Women Self-Identify as White vs Non-White (n = 159)



There is at least 1 pharmacy in 95% of all counties.

| Demographic Factors | Majority White County n = 123 | Majority Non- White County n = 36 | P-value |
|---|--|--|---------|
| Teen pregnancy rates above national average | 87.0% | 97.2% | 0.12 |
| Number of pharmacies | 9.7 ± 15.3 | 25.4 ± 45.8 | < 0.001 |
| Number of Family Planning Safety Net Clinics | 1.4 ± 9.7 | 4.7 ± 4.3 | 0.006 |
| Reproductive aged women with > 15 Minute Drive Time to Family Planning Safety Net Clinic | 21.3% | 21.5% | 0.9 |
| Reproductive Age Women with a change in Drive Time to < 15 Minutes | 28% | 10% | 0.53 |

- Increasing HC contraceptive access points through pharmacies has the potential to expand patient access in 95% of counties.
- If pharmacies became contraceptive access points, > 10% of reproductive aged women in 24% GA counties could have increased accessibility.
- · This reduction in transit time would affect, and likely benefit, women in majority non-white and white counties.
- Additional strategies to reduce unintended and teenage pregnancy may be needed, particularly in majority non-white counties.

References