Who Had Pandemic Babies? Exploring the Profiles of Mothers with a Recent Birth Using ACS Data

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BACKGROUND

Economic shocks tend to reduce fertility and marriage by making both events, and the prerequisites to those events, unaffordable.^{1,2,3} Vital statistics data show that conceptions declined during the first few months of the pandemic but rebounded in the remaining months of 2020.^{4,5,6}

Less is currently known about the characteristics of women who had a child during this unprecedented time, or the households in which they lived.

RESEARCH QUESTIONS

RQ1: What are the socioeconomic and demographic characteristics of women with a recent birth in 2021? Do these characteristics vary across age groups?

RQ2: Were women with a recent birth in 2021 of higher socioeconomic status than women with a recent birth in 2019?

RQ3: Does the probability of having a recent birth change between 2019 and 2021 by age and socioeconomic status?

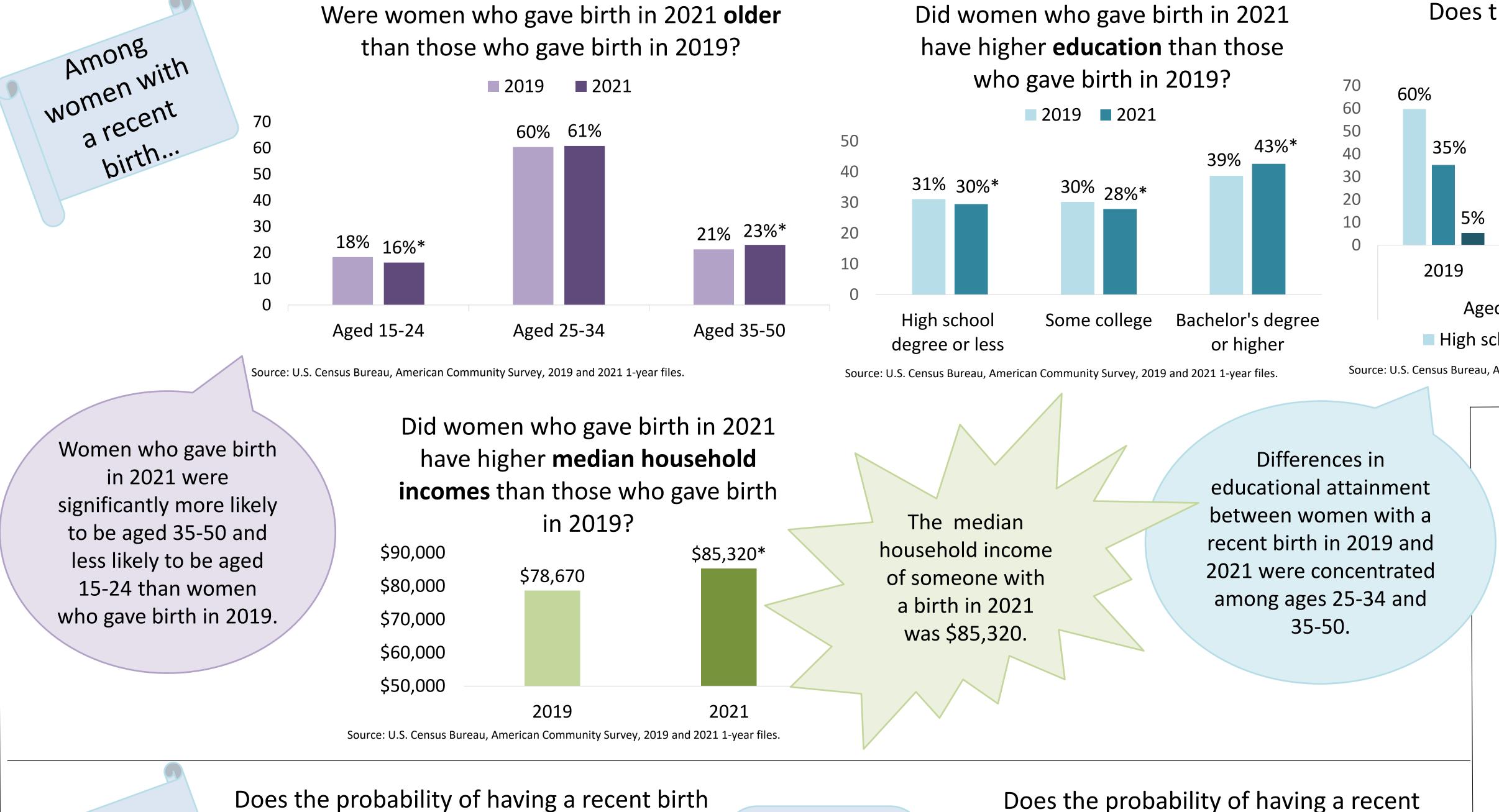
DATA & METHODS

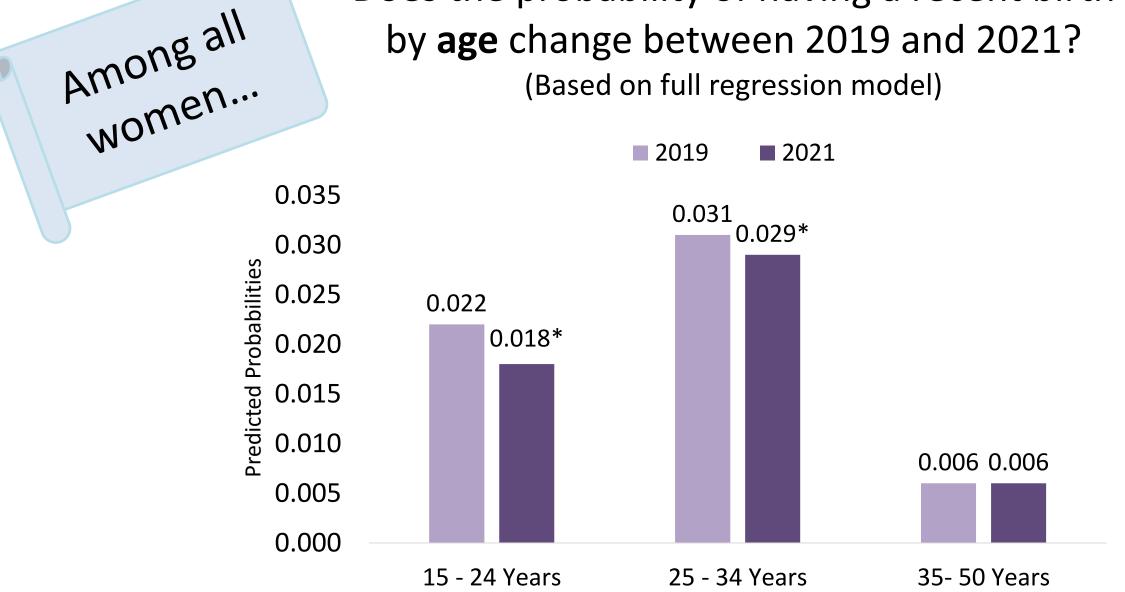
The American Community Survey (ACS) 2019 and 2021 1-year data *Conceptions that occurred after COVID-19 was declared a national emergency (March 13, 2020) would result in births ~December 2020. The ACS asks all women aged 15-50 if they had a birth in the last 12 months, which could be January 2020-December 2021 in the 2021 data*

- Recent (post-pandemic¹) birth in 2021 data: Women aged 15-50 with a birth in the last year who lived in a household with someone born in 2021 (likely conceived after March 2020)
 - Recent birth in 2019 data structured the same way for consistency and comparability across data years.
- Independent Variables: Age, education, household income
- Controls: Race/Hispanic origin, nativity, marital status, region

Descriptive statistics comparing women with a recent birth in 2019 and 2021. Logistic regression models of all women aged 15-50 with controls; Dependent variable = Recent birth, Interaction terms = Data year * Independent variables, Predicted probabilities

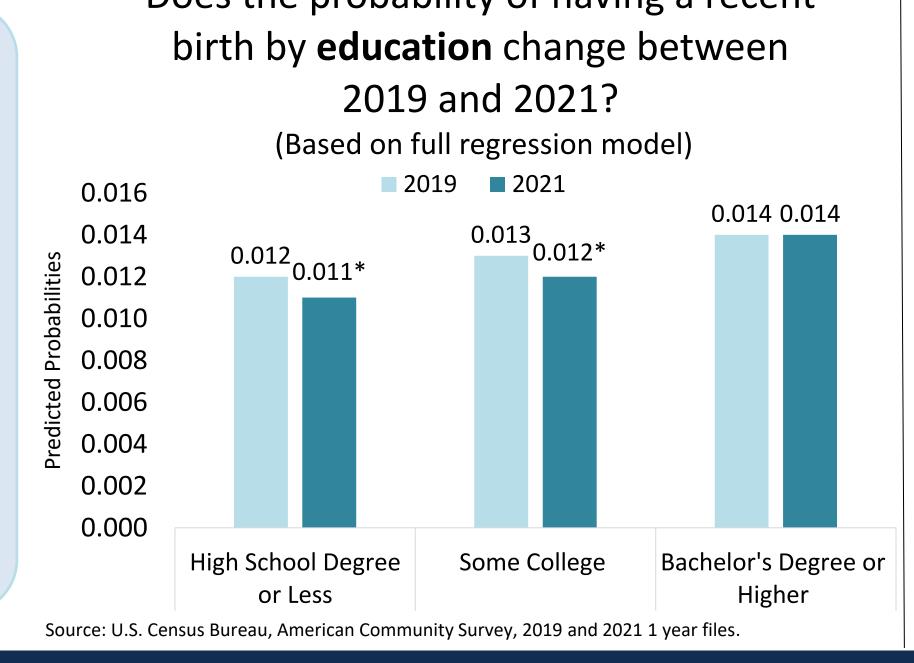
1. "Post-pandemic" refers to the time period after the declaration of COVID-19 as a national emergency.



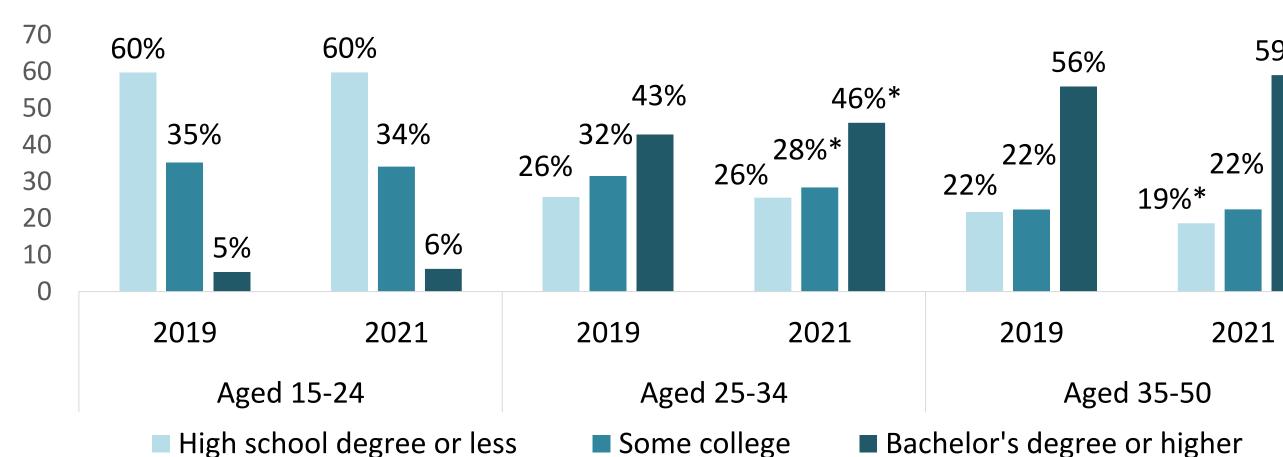


Source: U.S. Census Bureau, American Community Survey, 2019 and 2021 1 year files.

Logistic
regression
models
interacting Year
and Age or Year
and Education
suggest that
significant
changes were
seen among the
younger age and
lower education
groups only.



Does the **educational attainment** of women who gave birth in 2019 and 2021 differ by **age group**?



Source: U.S. Census Bureau, American Community Survey, 2019 and 2021 1-year files

KEY FINDINGS/RESULTS

RQ1 and RQ2: Women who had a child after the start of the pandemic (2021) were older, had higher median household incomes, and had higher educational attainment than the women with a recent birth in 2019.

When educational differences are broken down by age group, women in the 25-34 and 35-50 age groups saw the greatest change in education between the two years.

RQ3: The unique effects of age and education vary by year of recent birth. Accounting for controls, younger women and women with less education had lower probabilities of having a child after the start of the pandemic (2021) than in 2019.

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