

Family structure, infant health, and social context in France, the U.K., and the U.S.

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Outline

Descriptives

Main regression and decomposition analyses – with U.S. results!

Race, ethnicity, and migrant status analyses

How much do infant health inequalities across family structures differ in France, the U.K., and the U.S.?

What are the mechanisms behind these inequalities?
To what extent do they differ across countries?

Data: Étude Longitudinale Française depuis l'Enfance
(Elfe) (2011)

Millennium Cohort Study (MCS) (2000-2002)

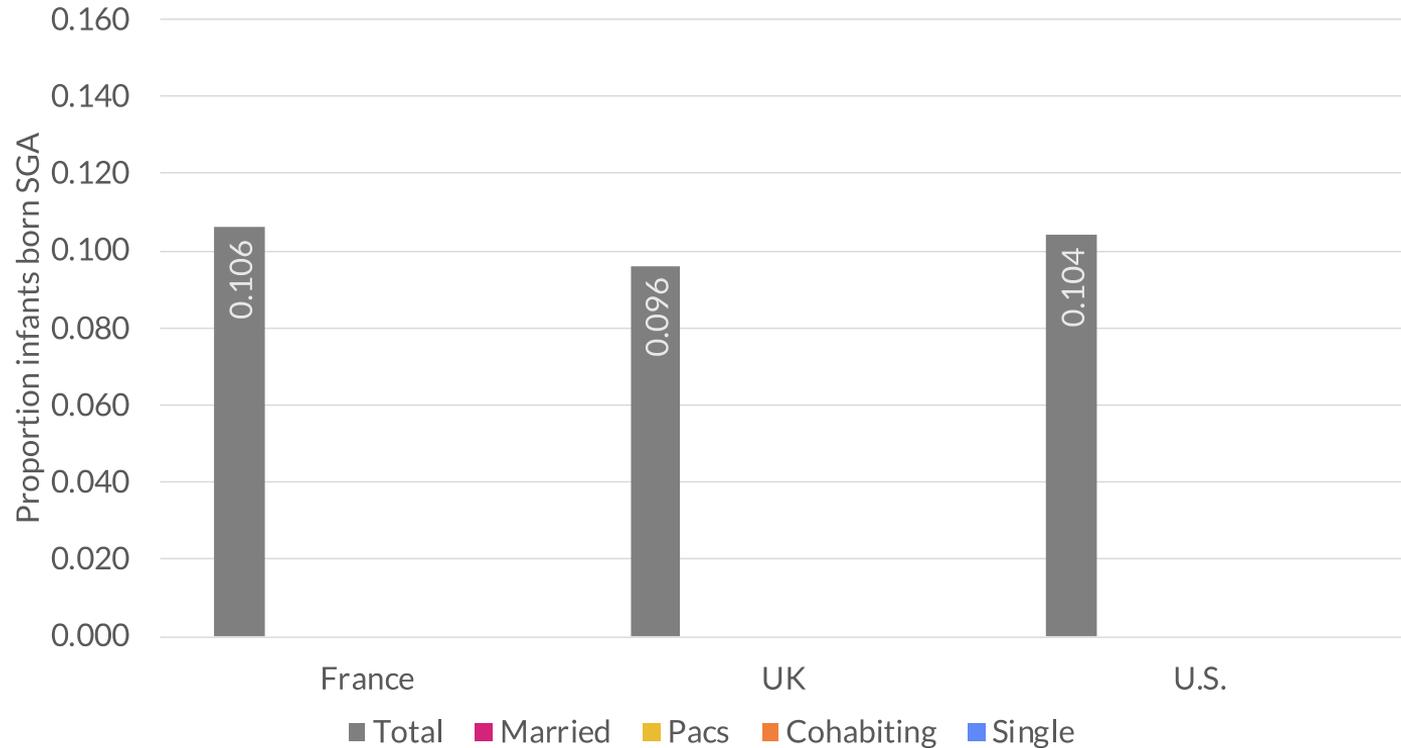
Early Childhood Longitudinal Study-Birth
Cohort (ECLS-B) (2000-2001)

Outcomes: Small for gestational age (SGA); birth weight

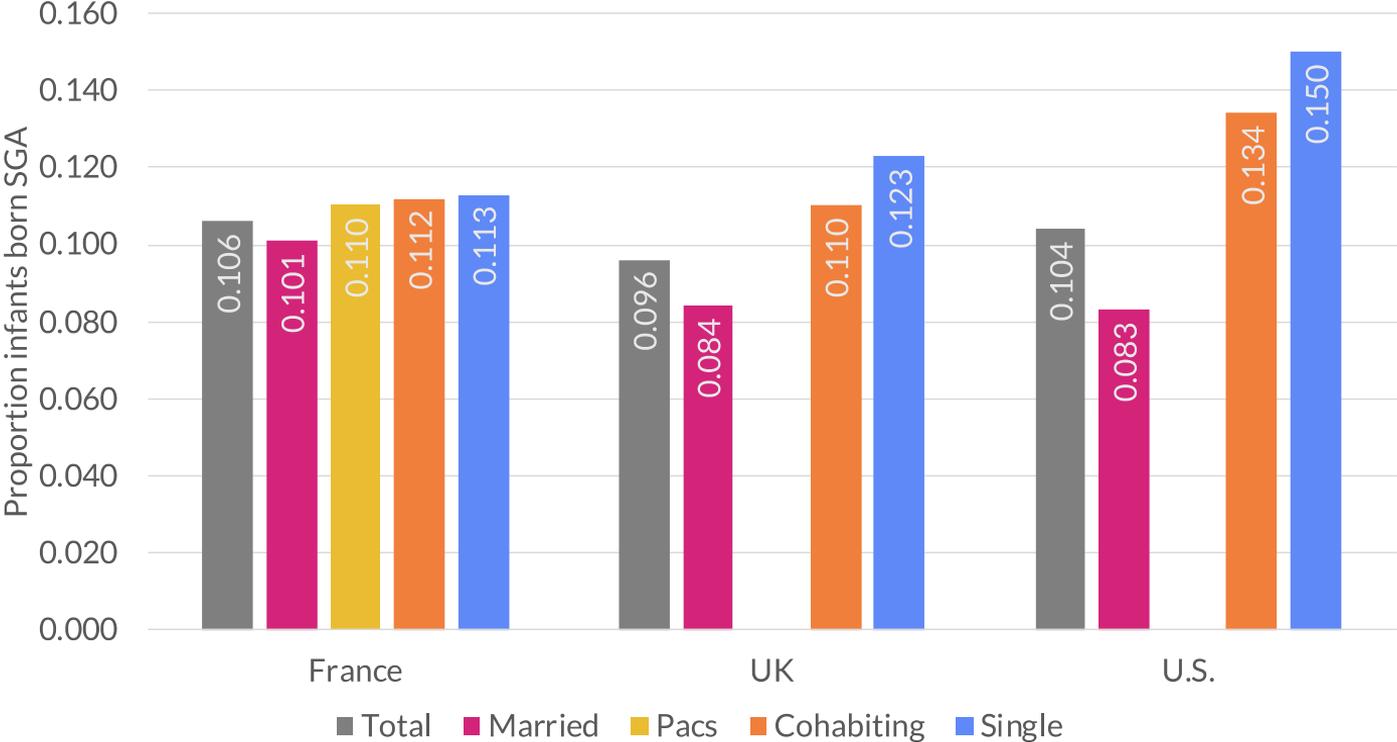
Predictor: Family structure at birth (married, Pacs, cohabiting, single mother)

Descriptives

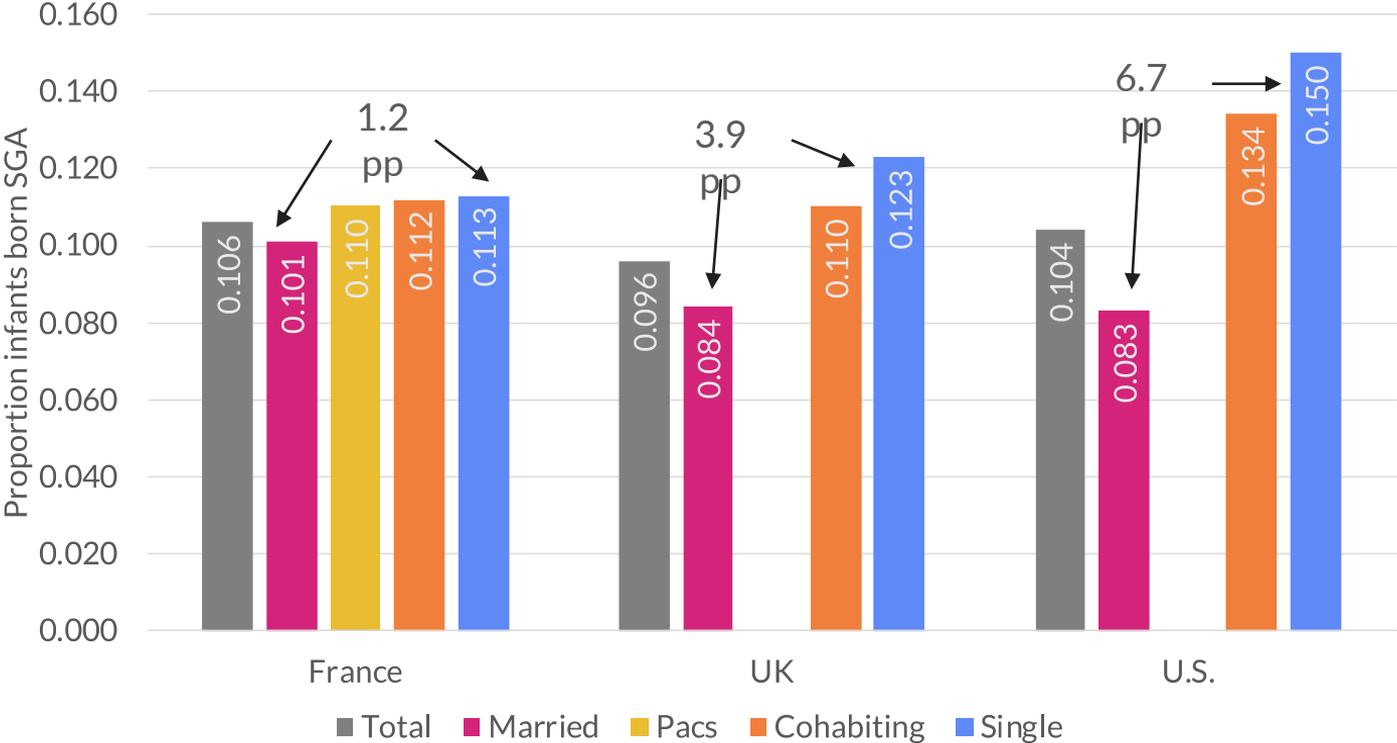
The proportion of infants born small for gestational age (SGA) is similar in each country...



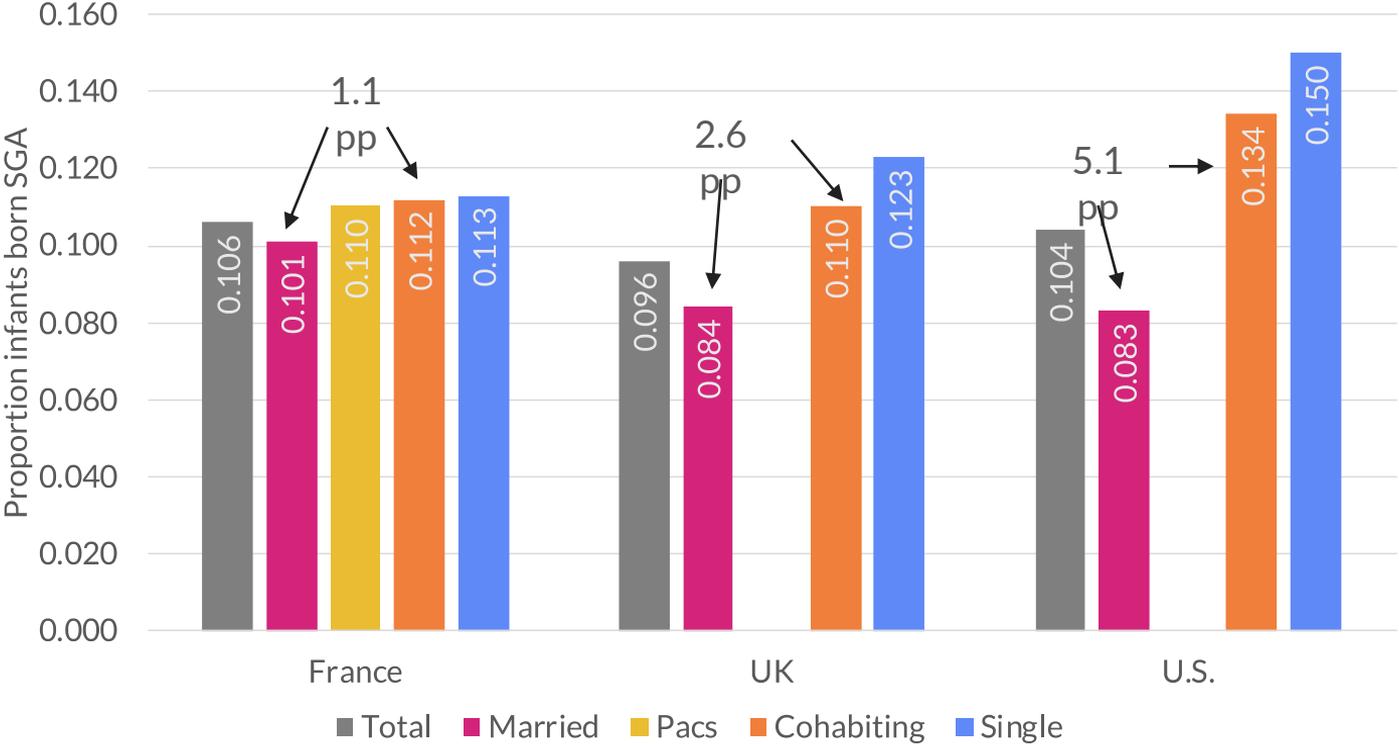
...but inequality across family structures in the U.S. is much larger.



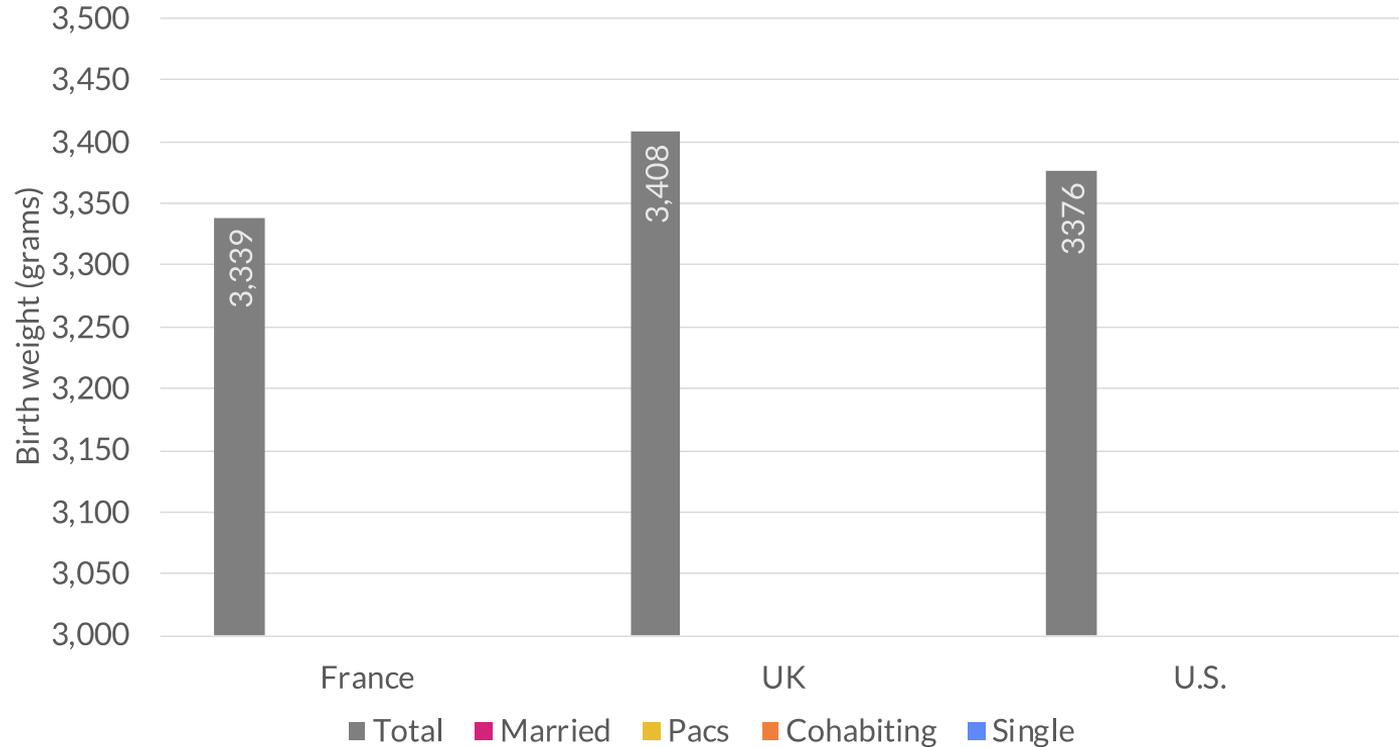
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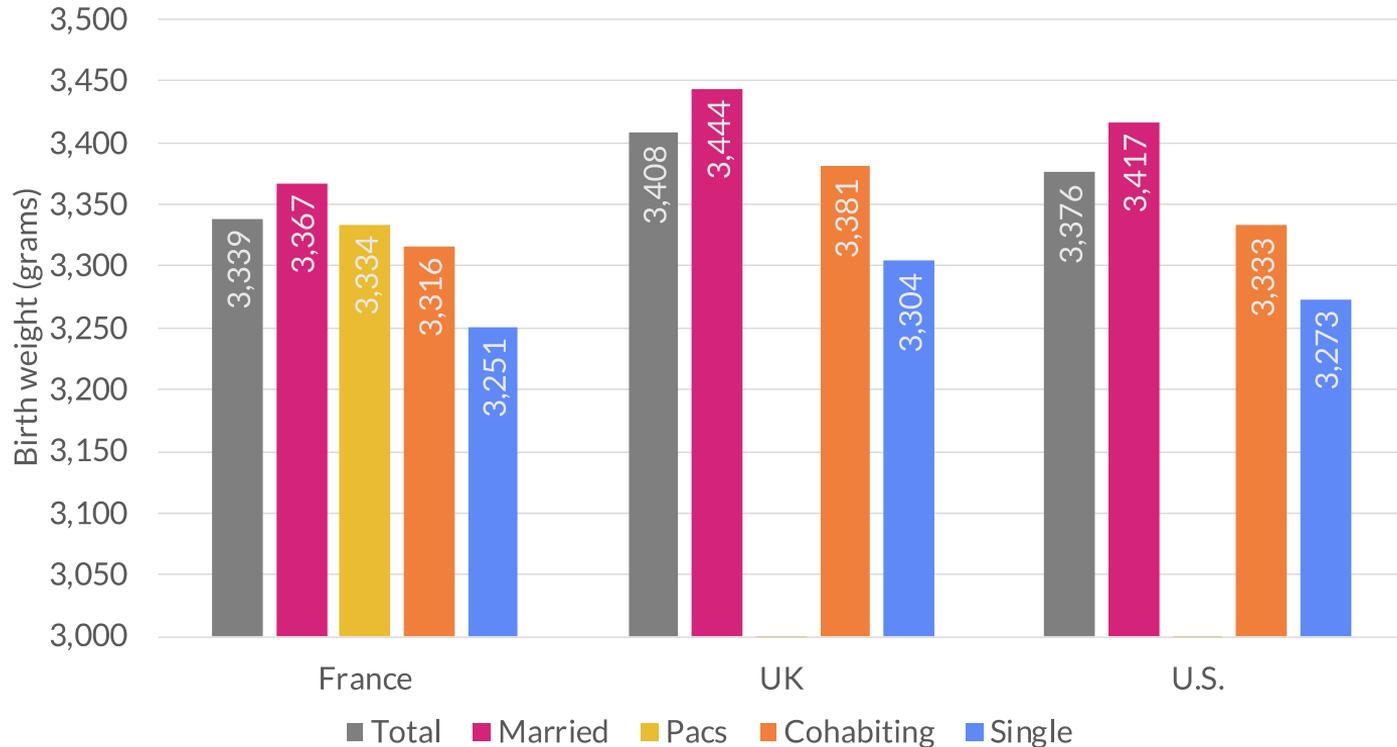
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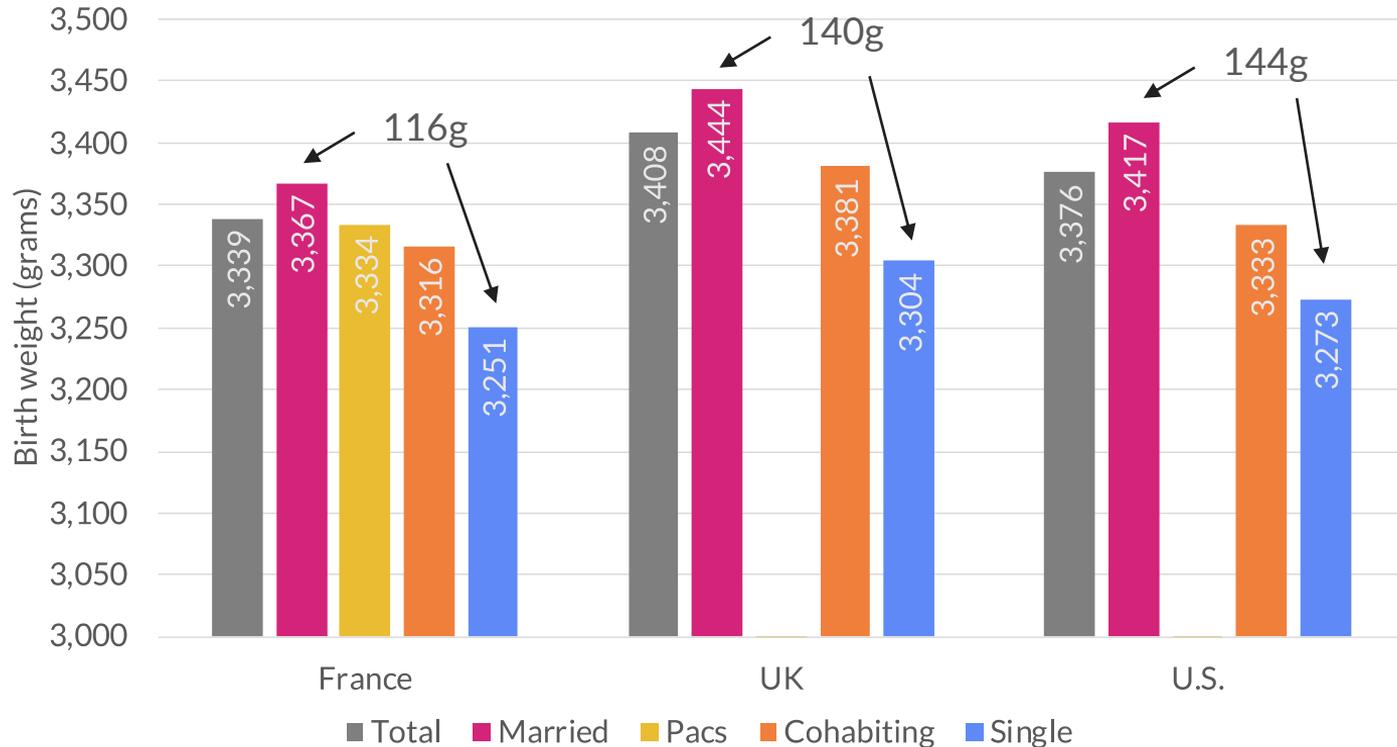
Overall birth weights are also comparable...



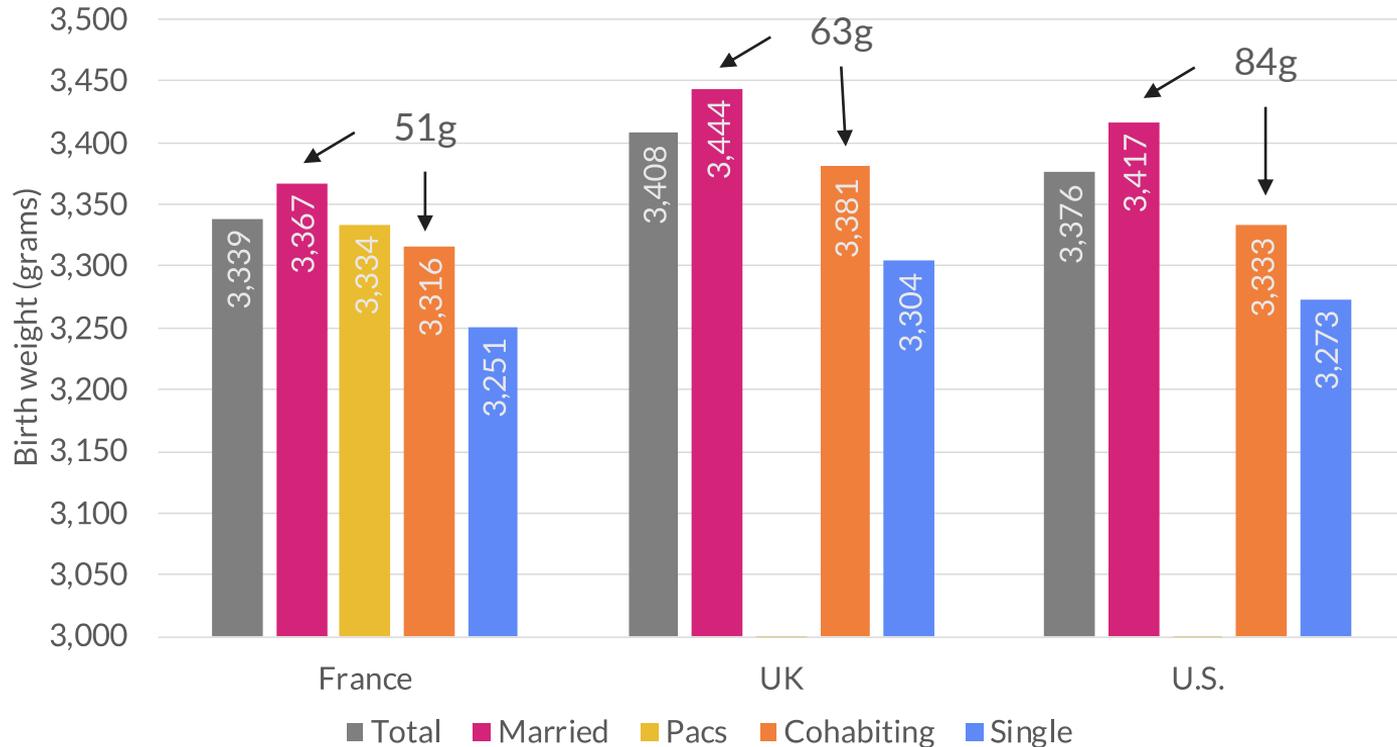
...and inequality in birth weight across family structures is relatively more similar across countries.



...and inequality in birth weight across family structures in the U.S. is similar to inequality in the U.K.



...and inequality in birth weight across family structures in the U.S. is similar to inequality in the U.K.



M1: Unadjusted

M2: Selection factors (Education, income, parity, maternal age and age²)

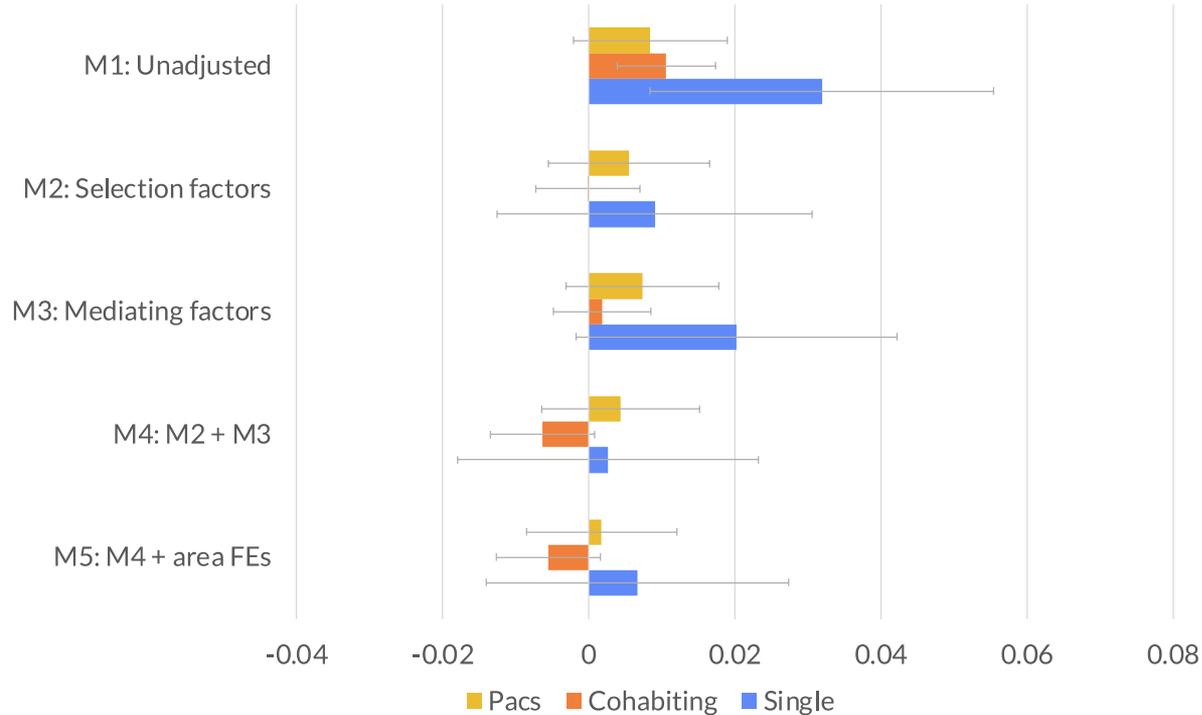
M3: Mediating factors (Employment, smoking, social support)

M4: M2 + M3

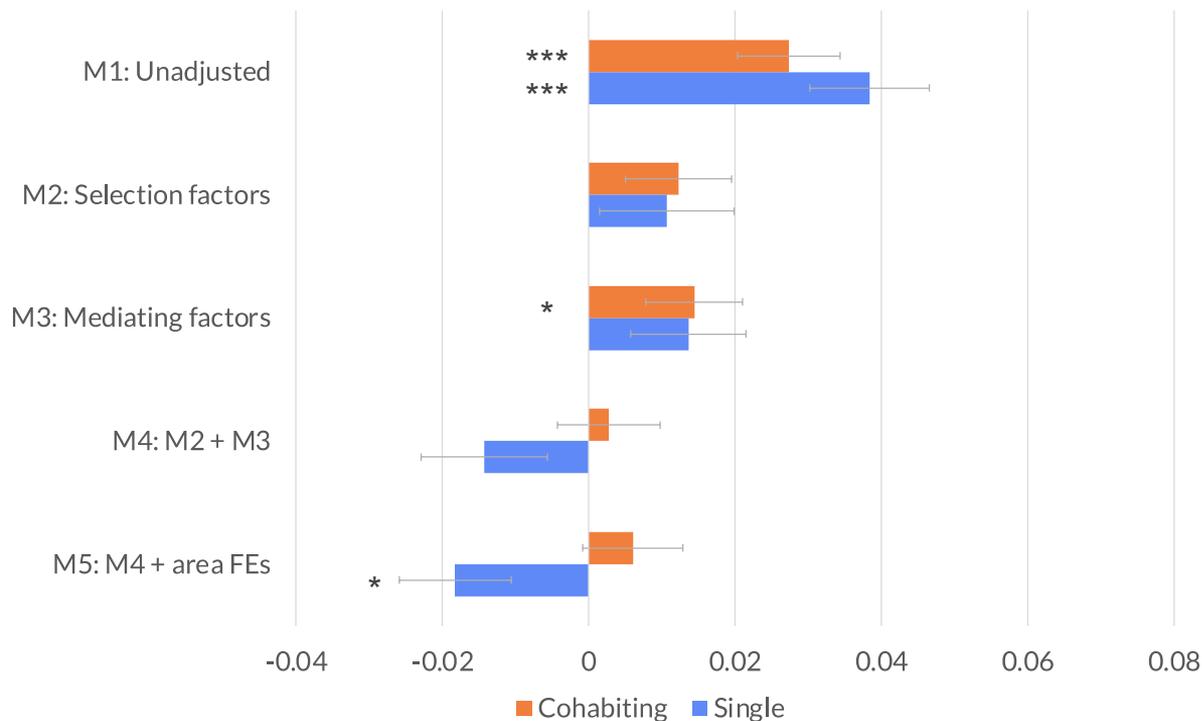
M5: M4 + area FEs



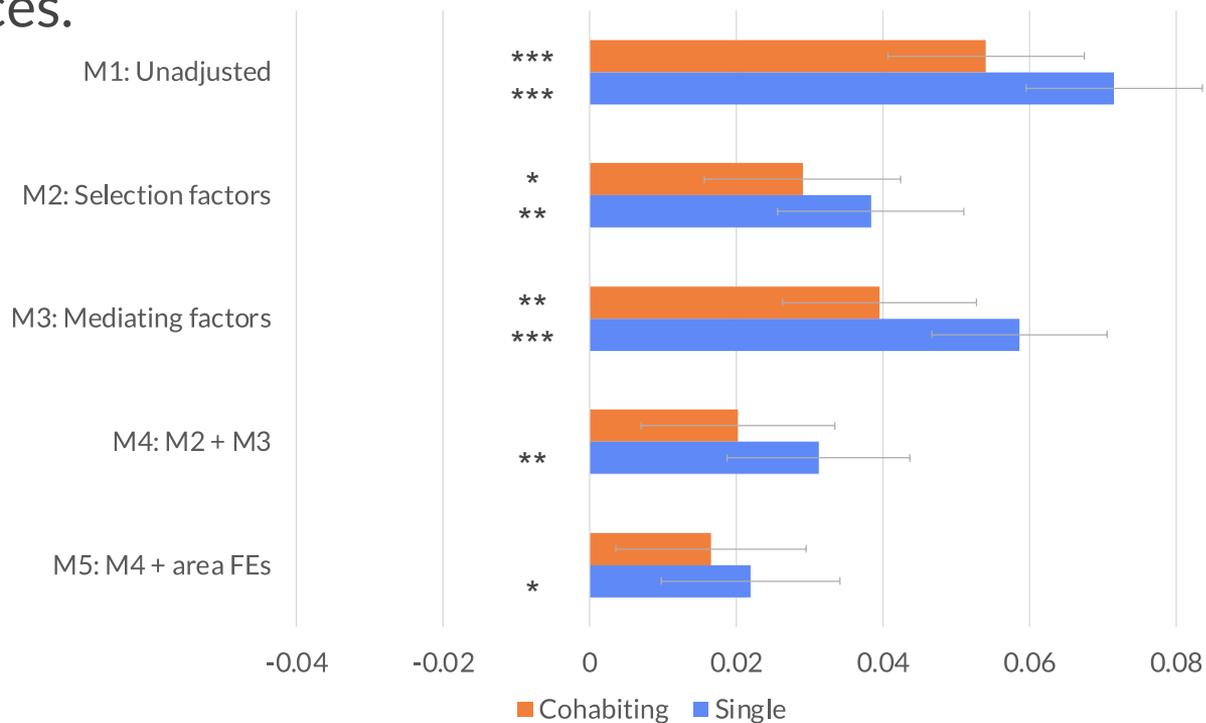
Accounting for our selection and mediating factors + area fixed effects reduces the gaps in SGA in **France** to less than one percentage point.

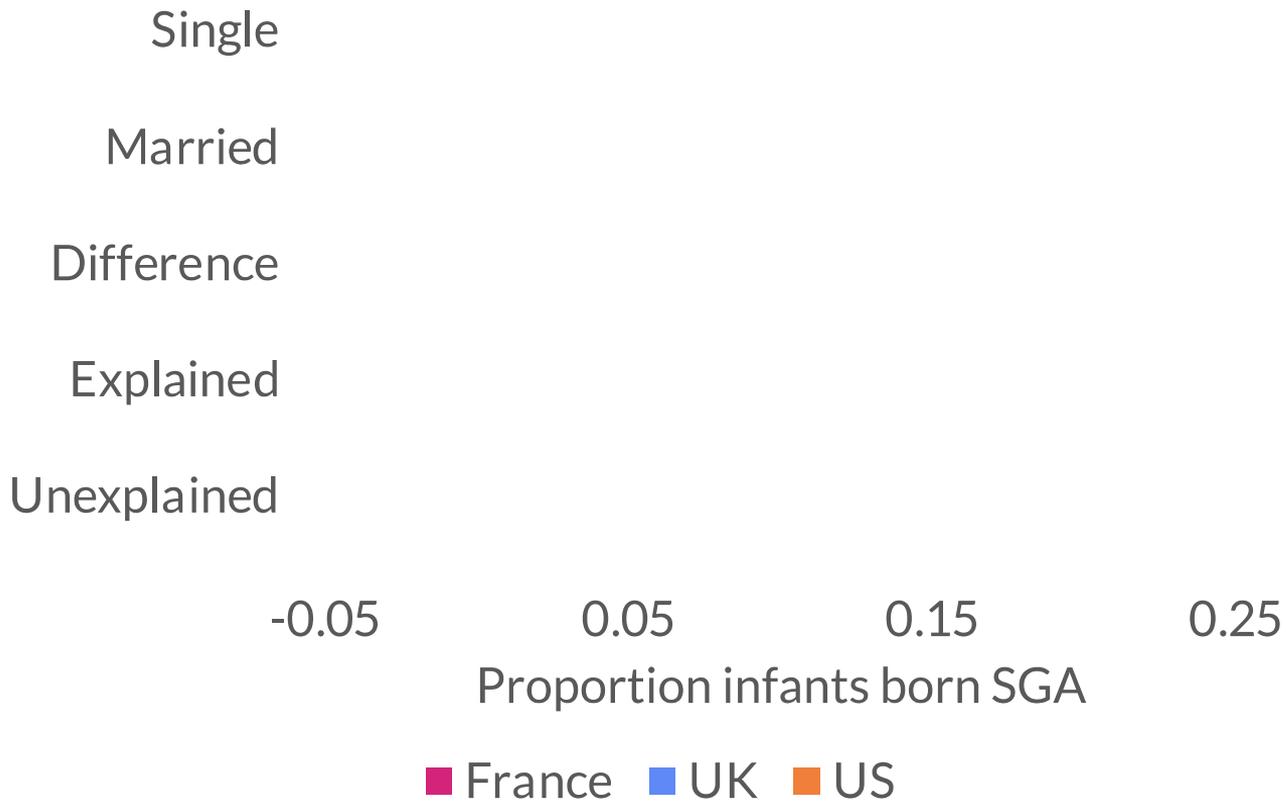


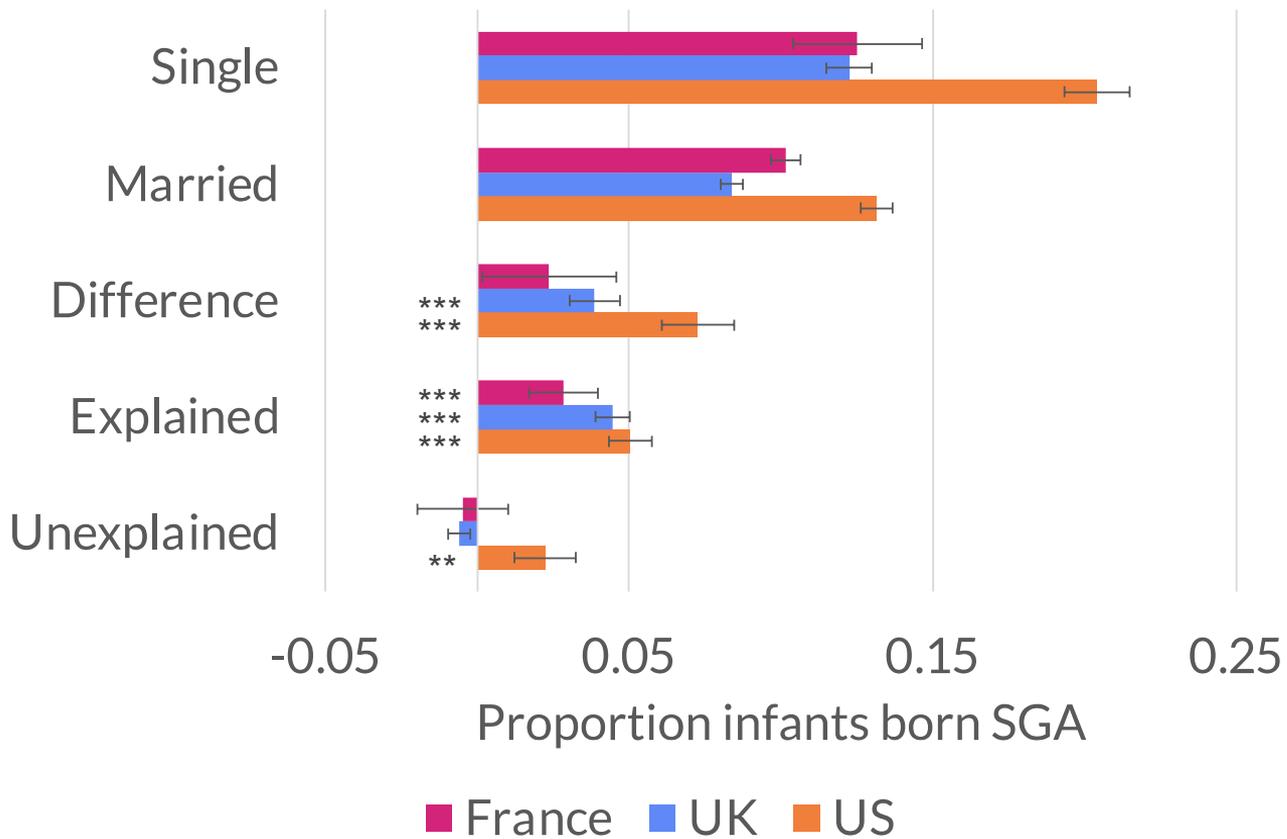
In full models, infants born to single mothers in the **U.K.** are *healthier* than those born to married parents.

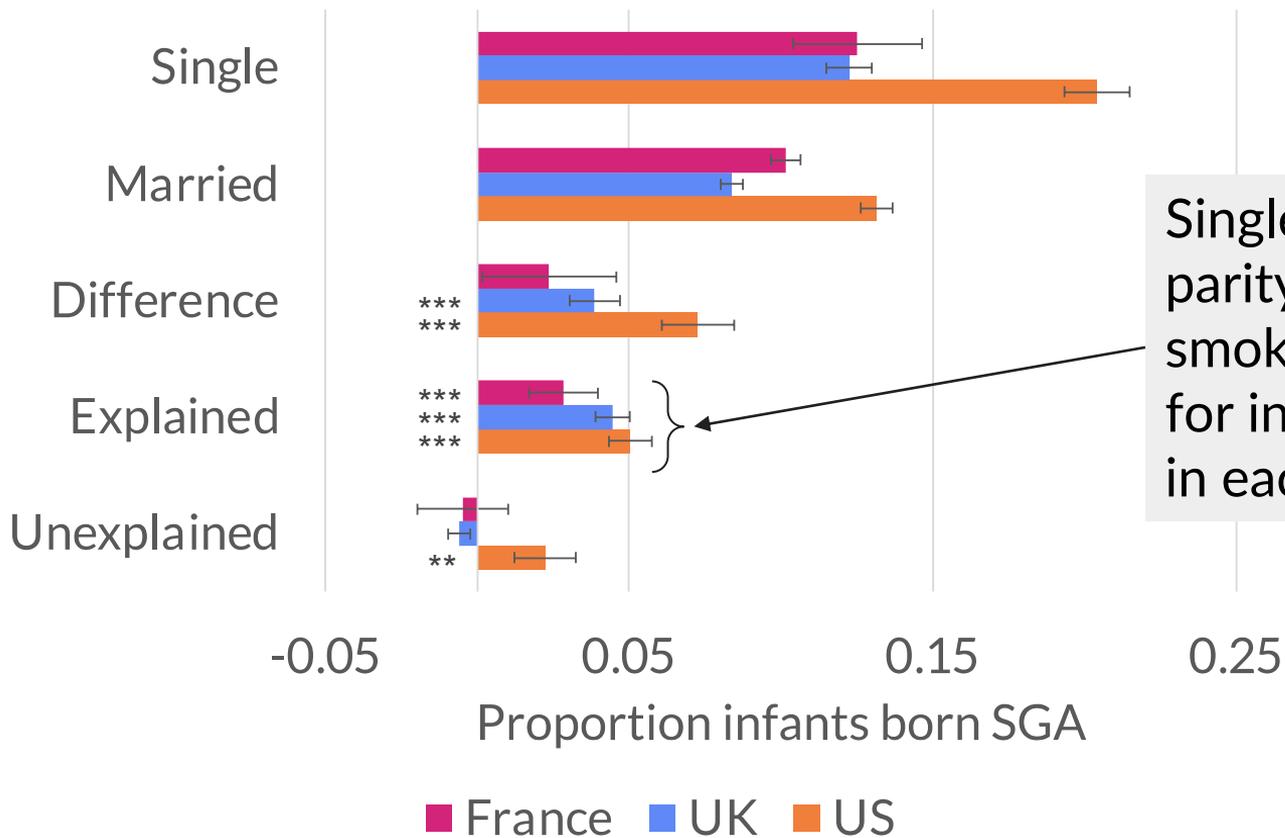


Significant gaps remain between married and single mother **U.S.** families after accounting for SES, life course factors, and pregnancy experiences.

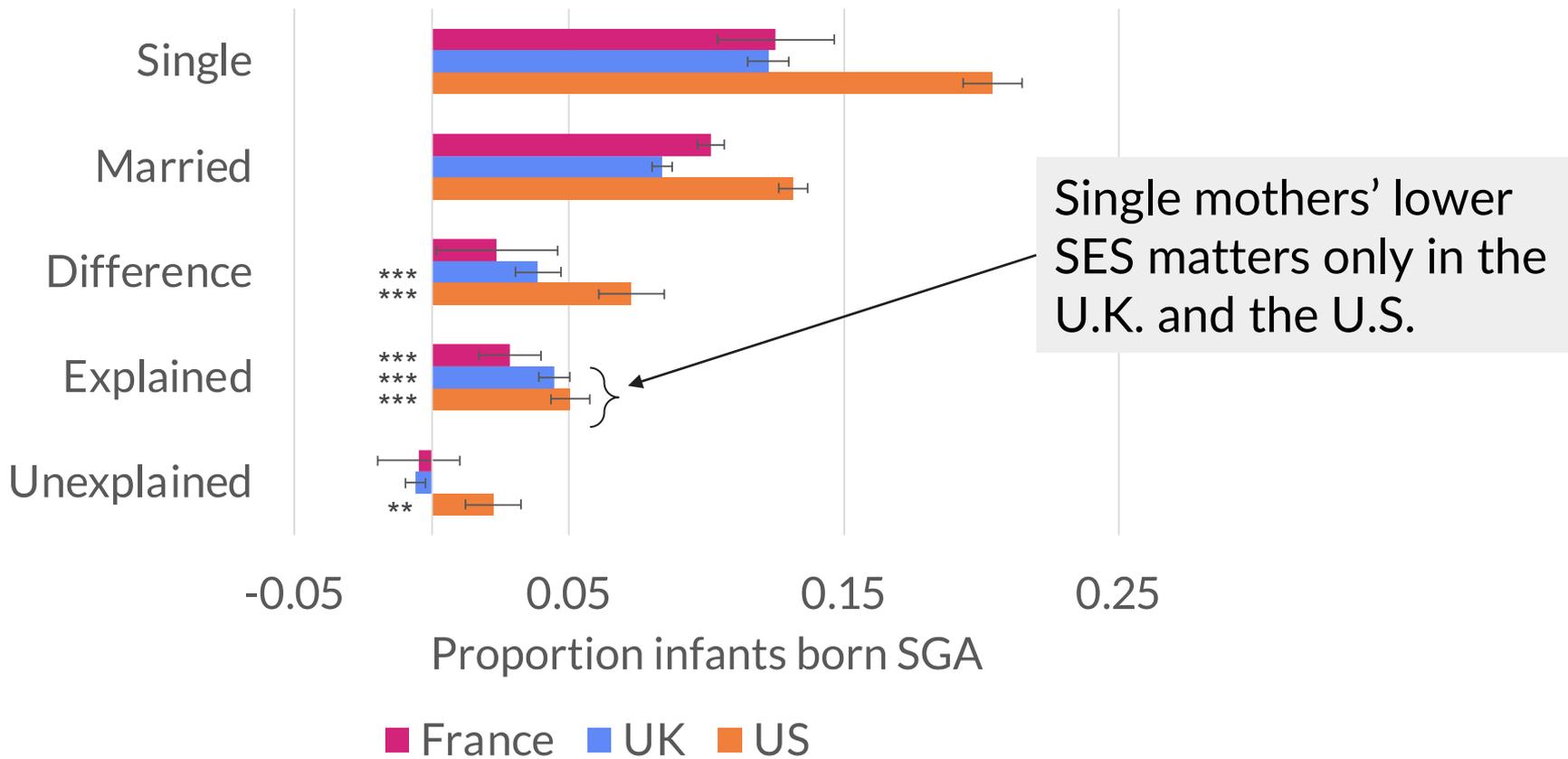


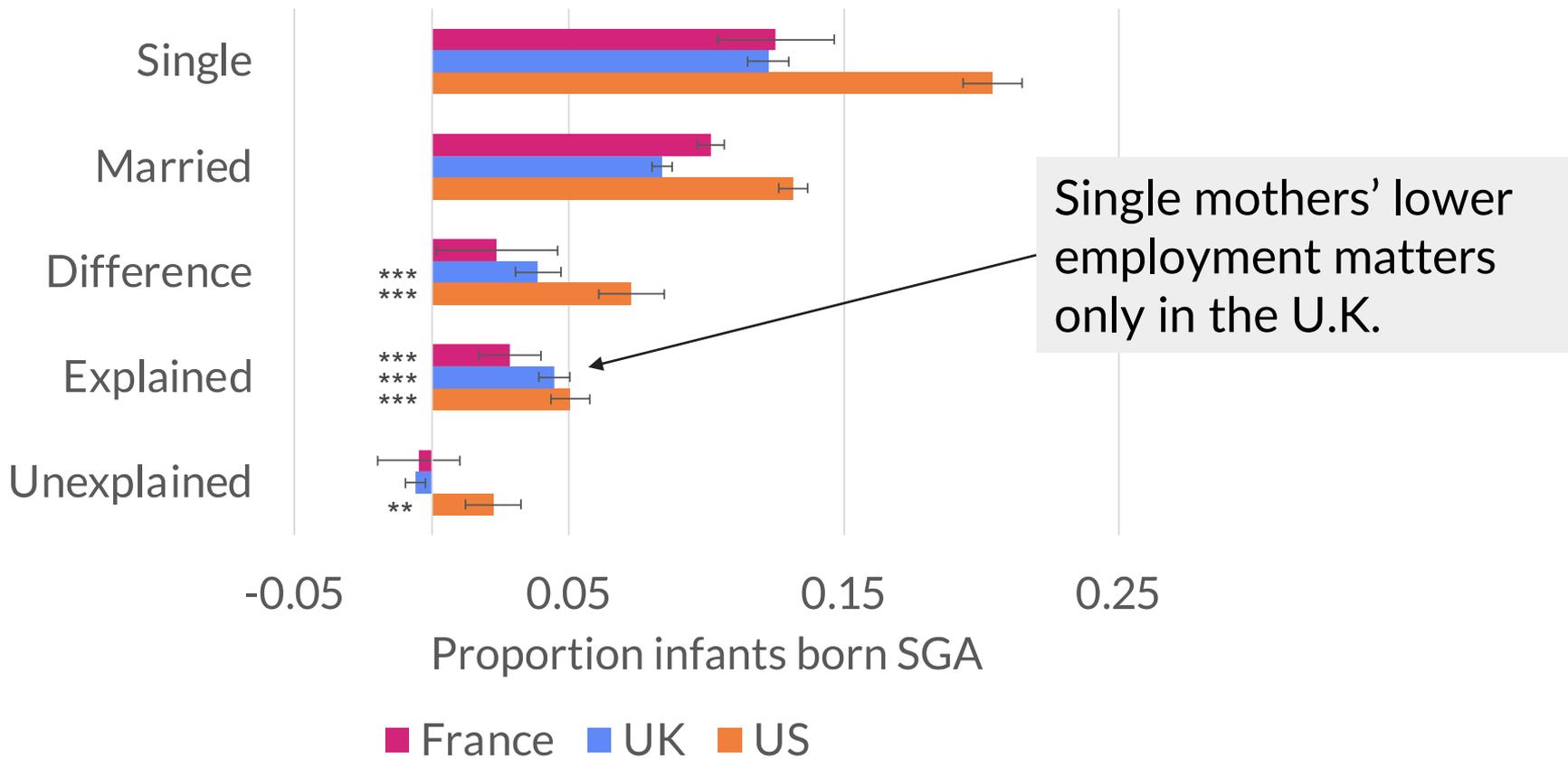


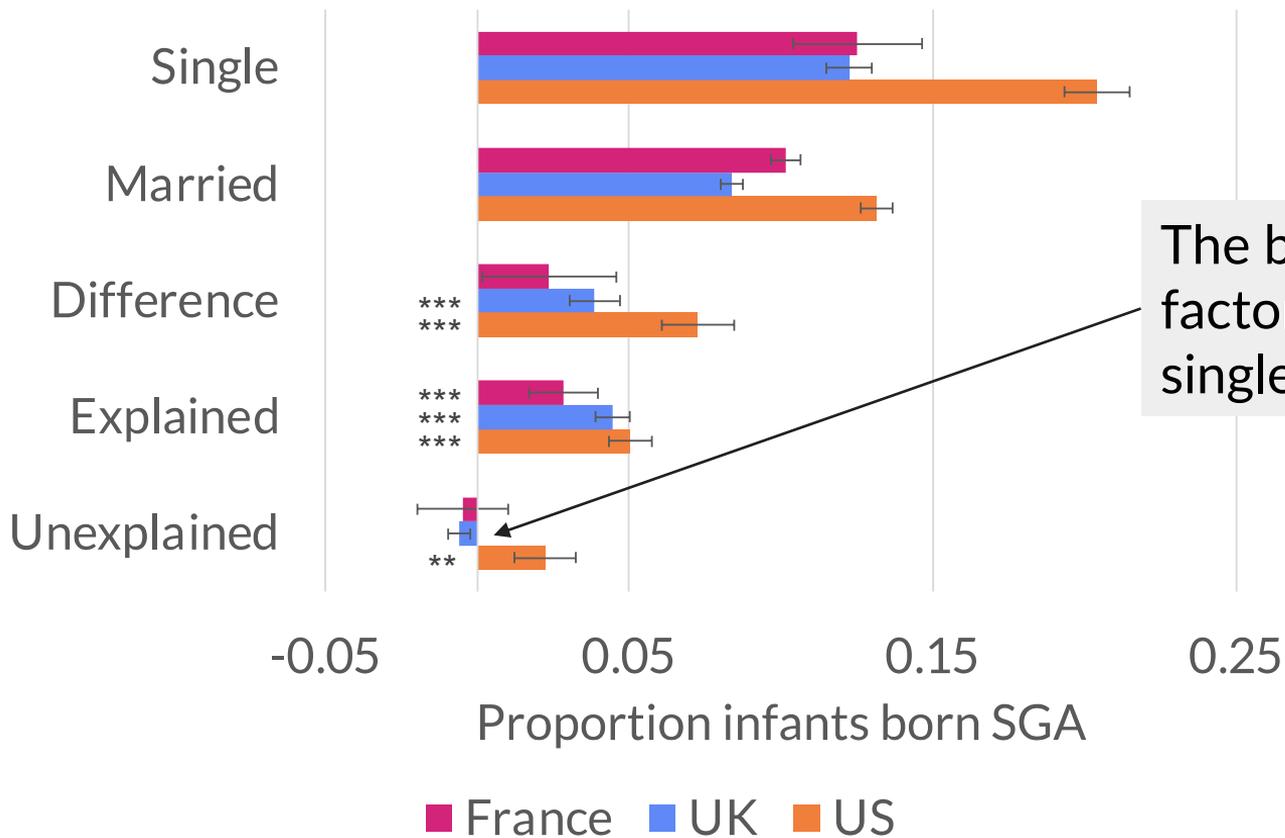




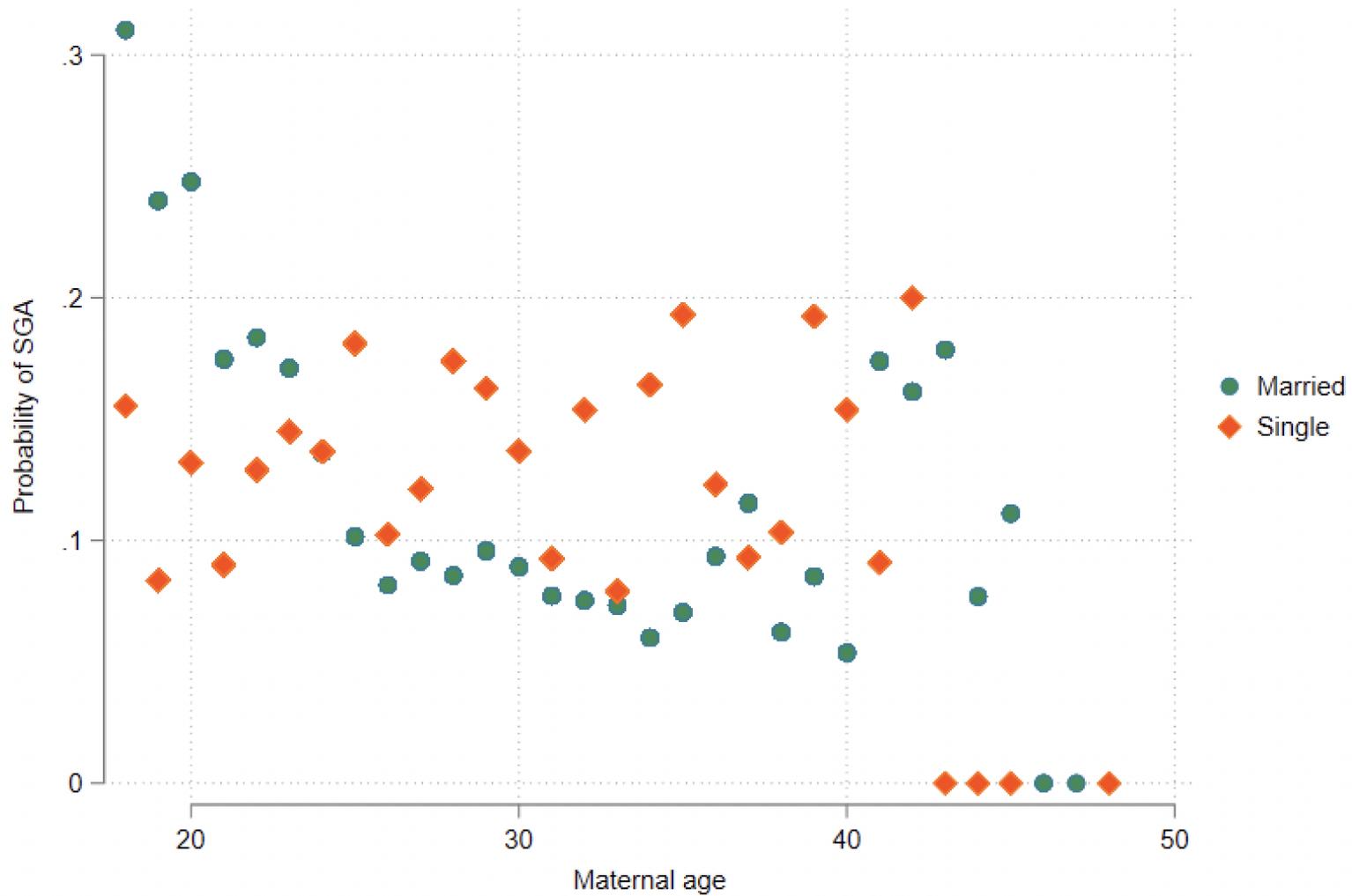
Single mothers' lower parity and higher smoking rates matter for infant health gaps in each country.

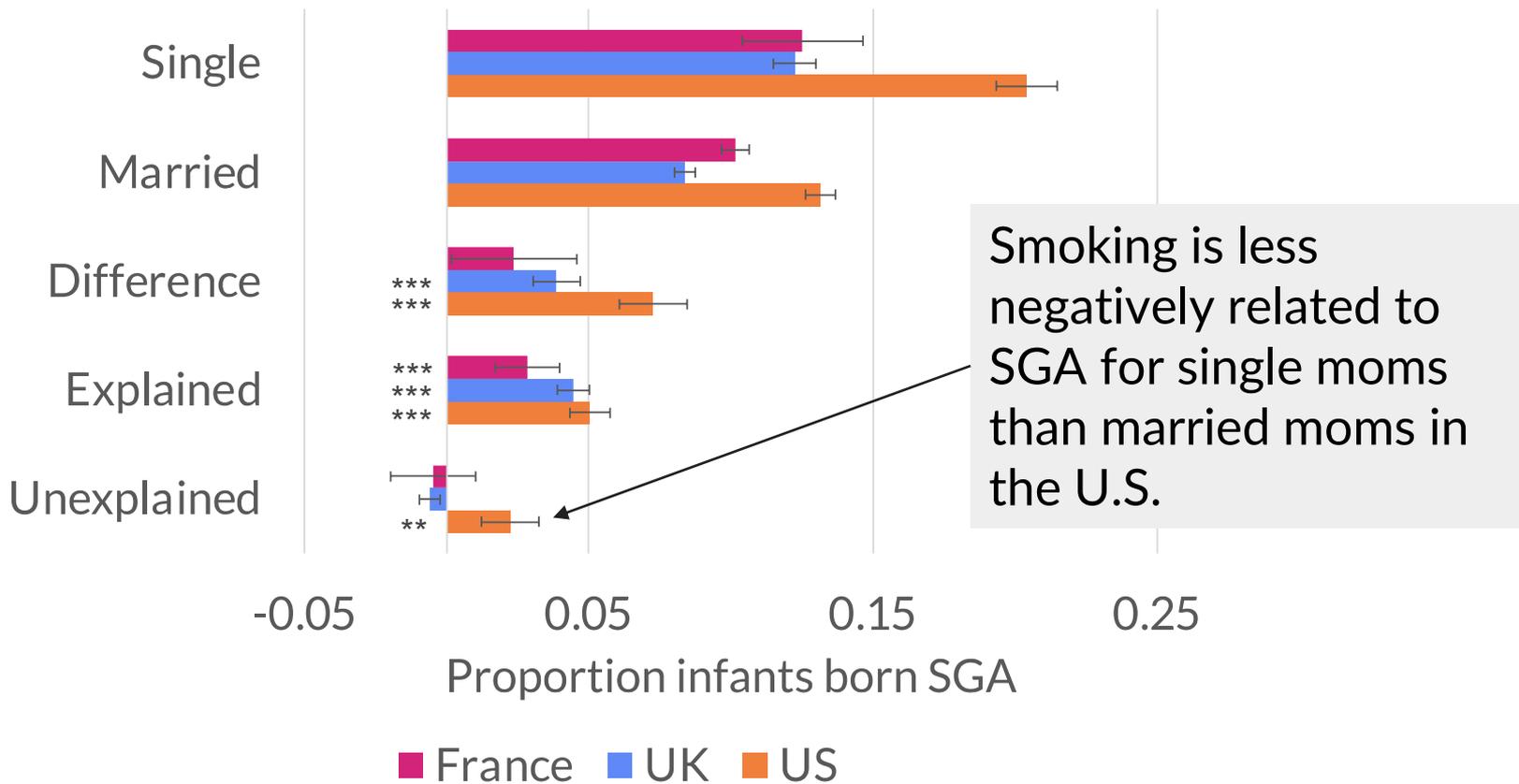




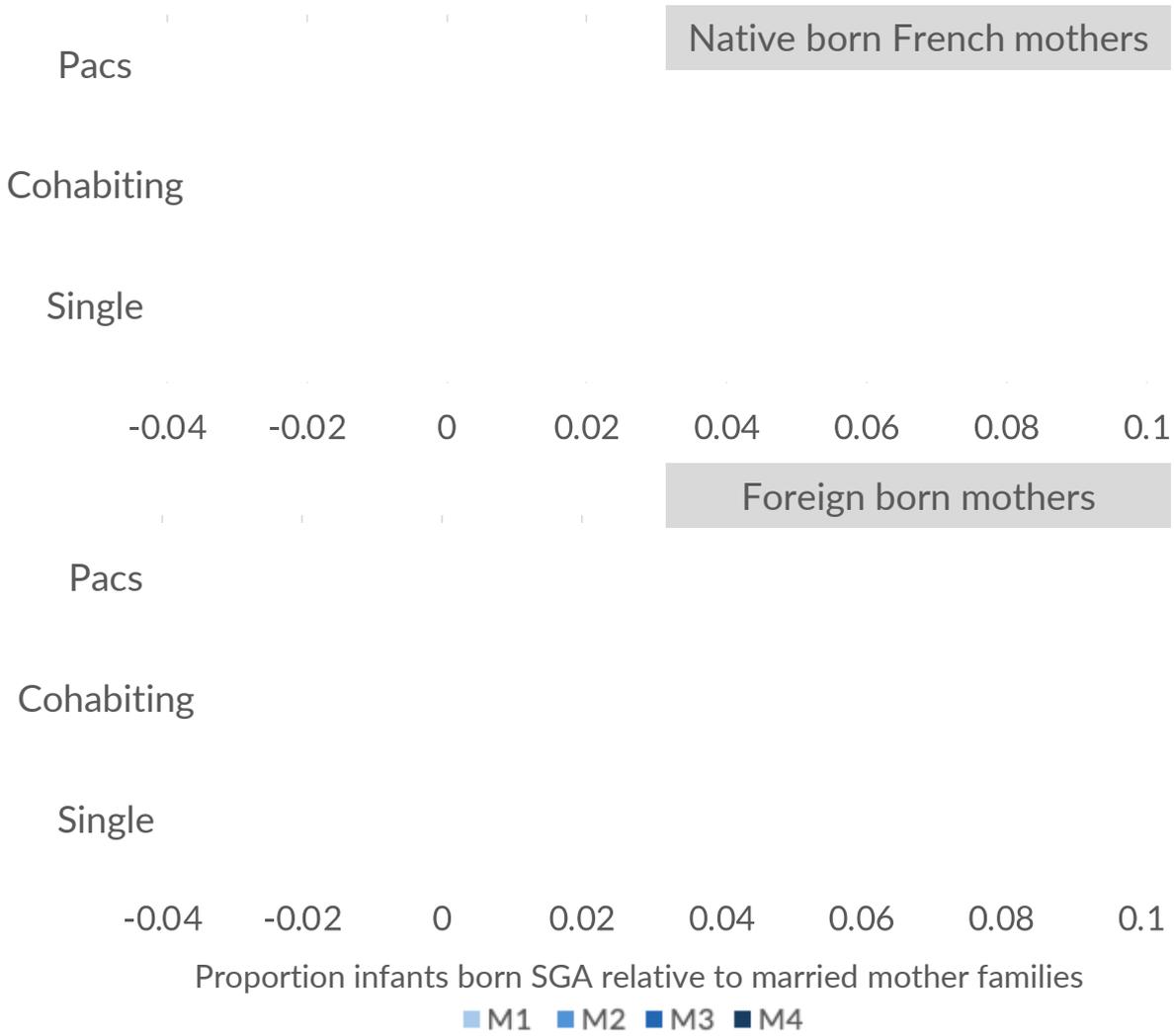


The balance of unexplained factors in the U.K. work in single mothers' favor.

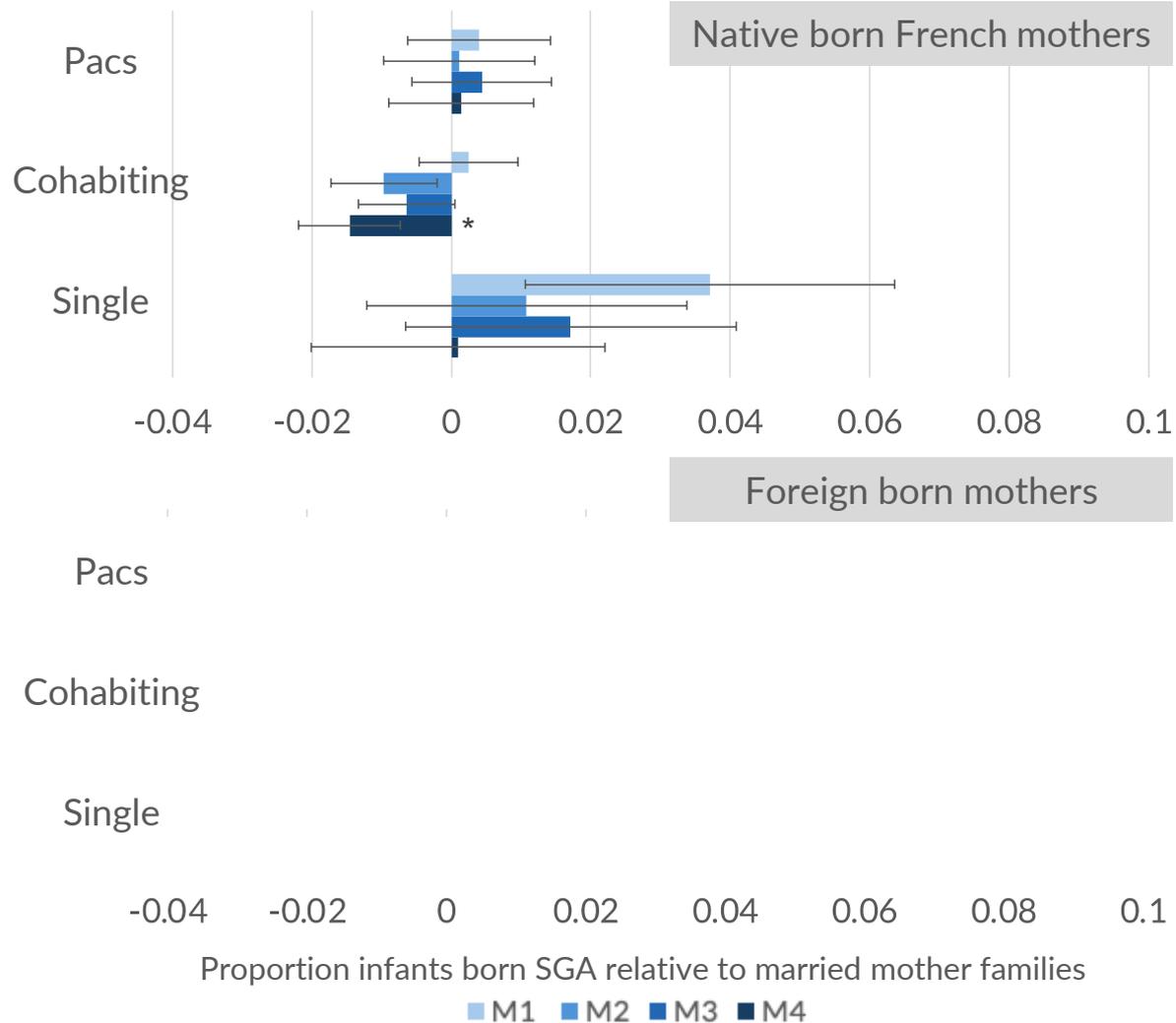




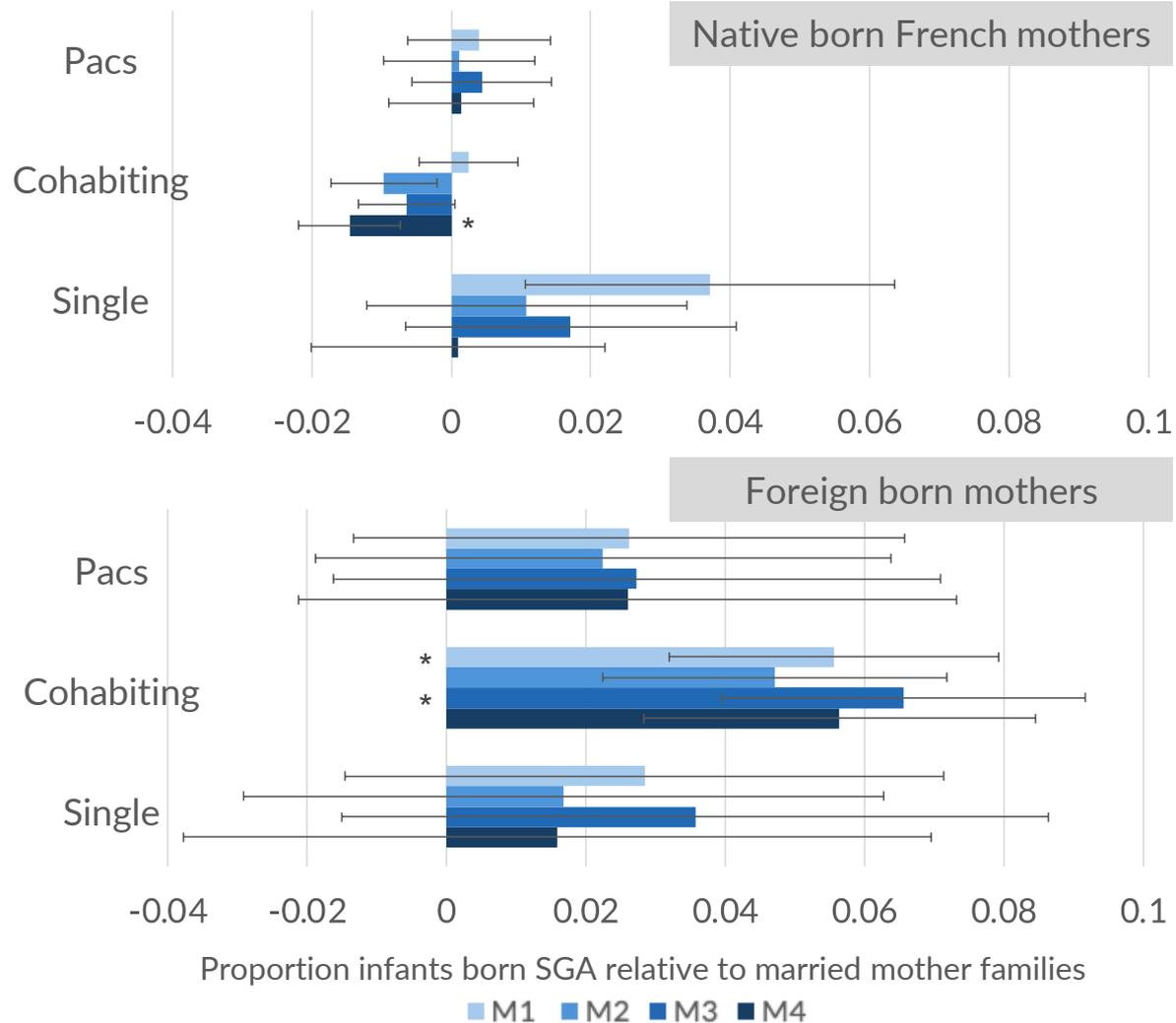
Race, ethnicity, and migrant status



Relative to married native French mothers, the chance of SGA for native French mothers in any other family structure group is not significantly higher in any model, and coefficient magnitudes are fairly small.



Relative to married foreign born mothers, the chance of SGA for foreign born mothers in any other family structure group is consistently higher, though not consistently significant.



White native
British mothers

-0.08 -0.06 -0.04 -0.02 0 0.02 0.04 0.06

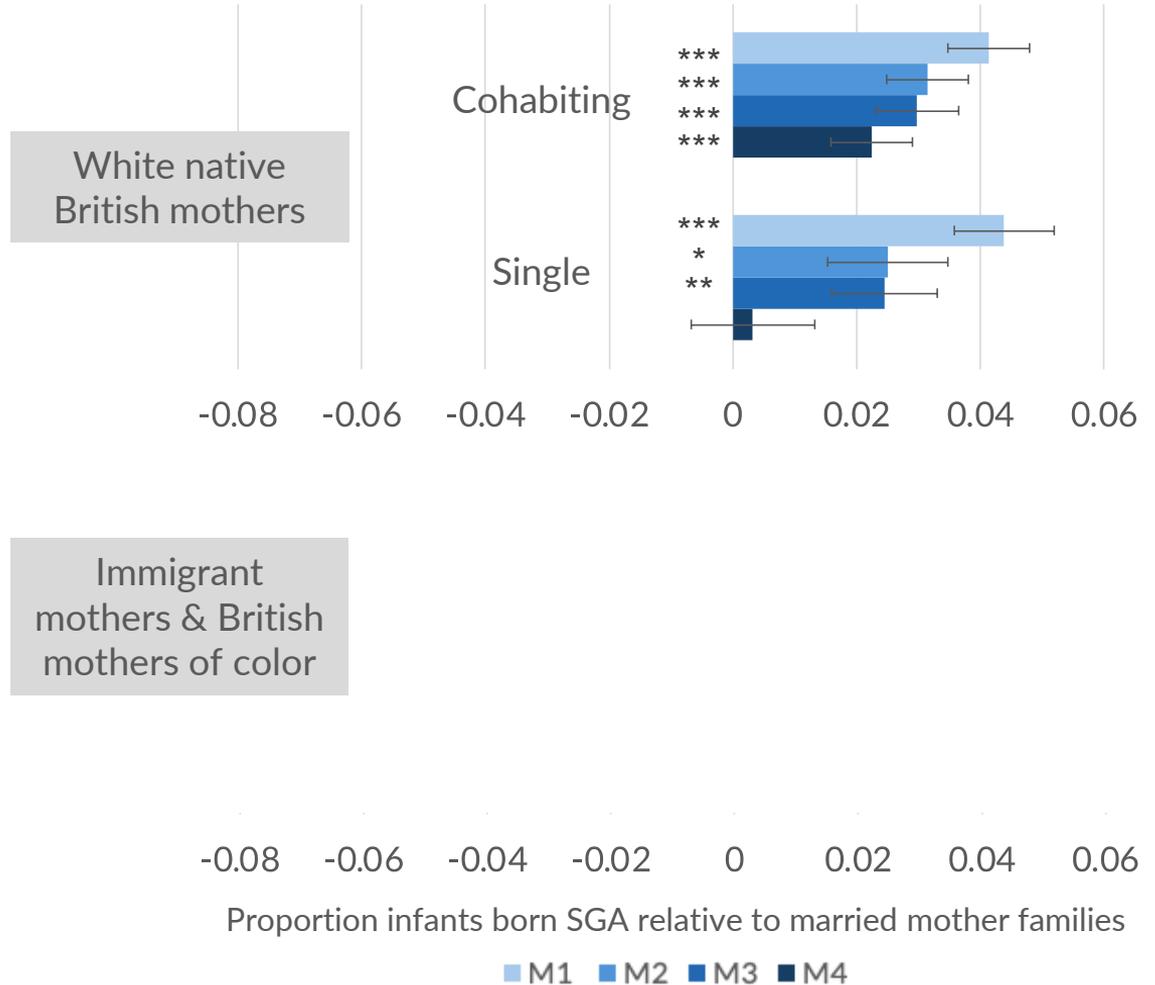
Immigrant
mothers & British
mothers of color

-0.08 -0.06 -0.04 -0.02 0 0.02 0.04 0.06

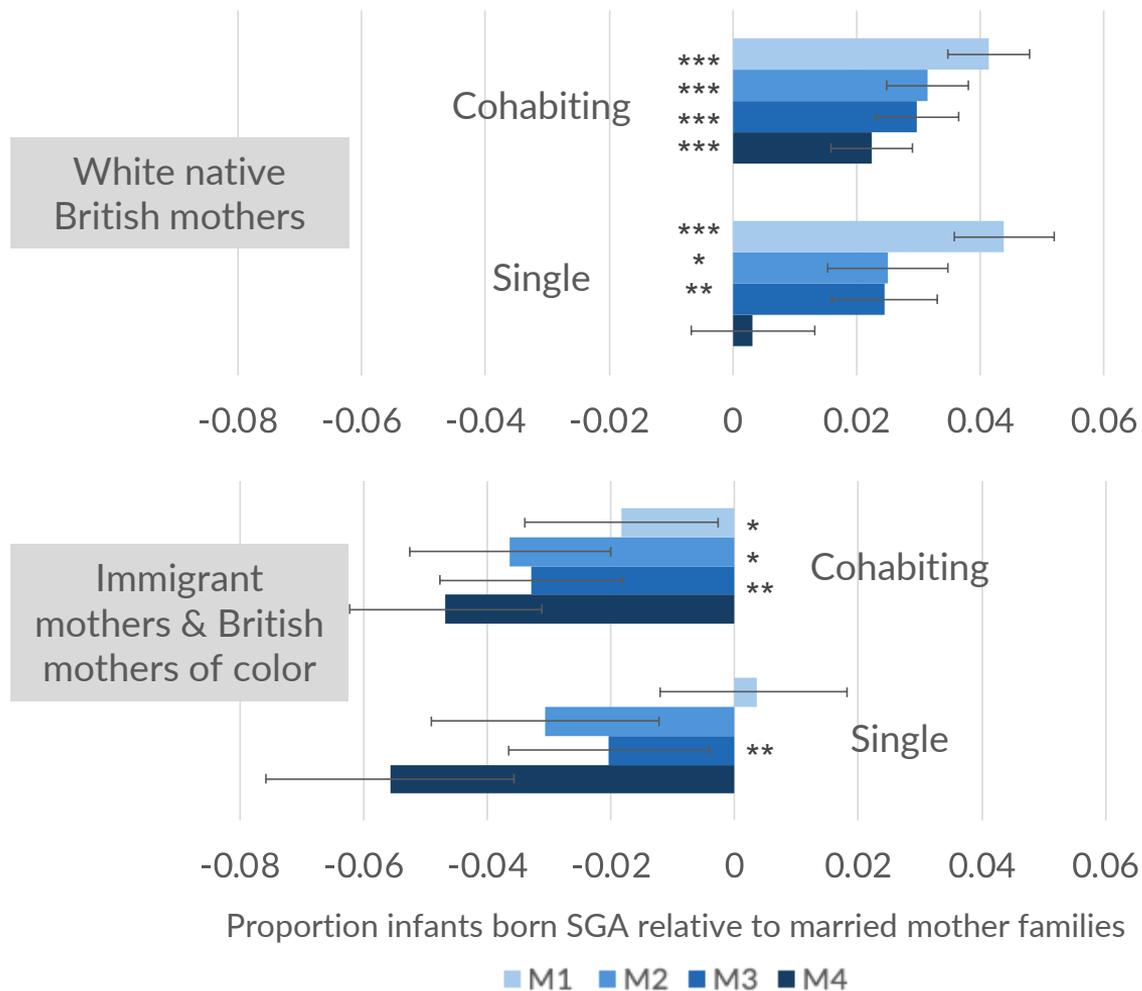
Proportion infants born SGA relative to married mother families

■ M1 ■ M2 ■ M3 ■ M4

The chance of SGA for infants born to White native British mothers who are cohabiting or single is higher than the chance for their counterparts born to married parents.



Infants born to cohabiting and single immigrant mothers and British mothers of color have consistently lower risks of SGA. Their advantage grows with controls.



White

Black

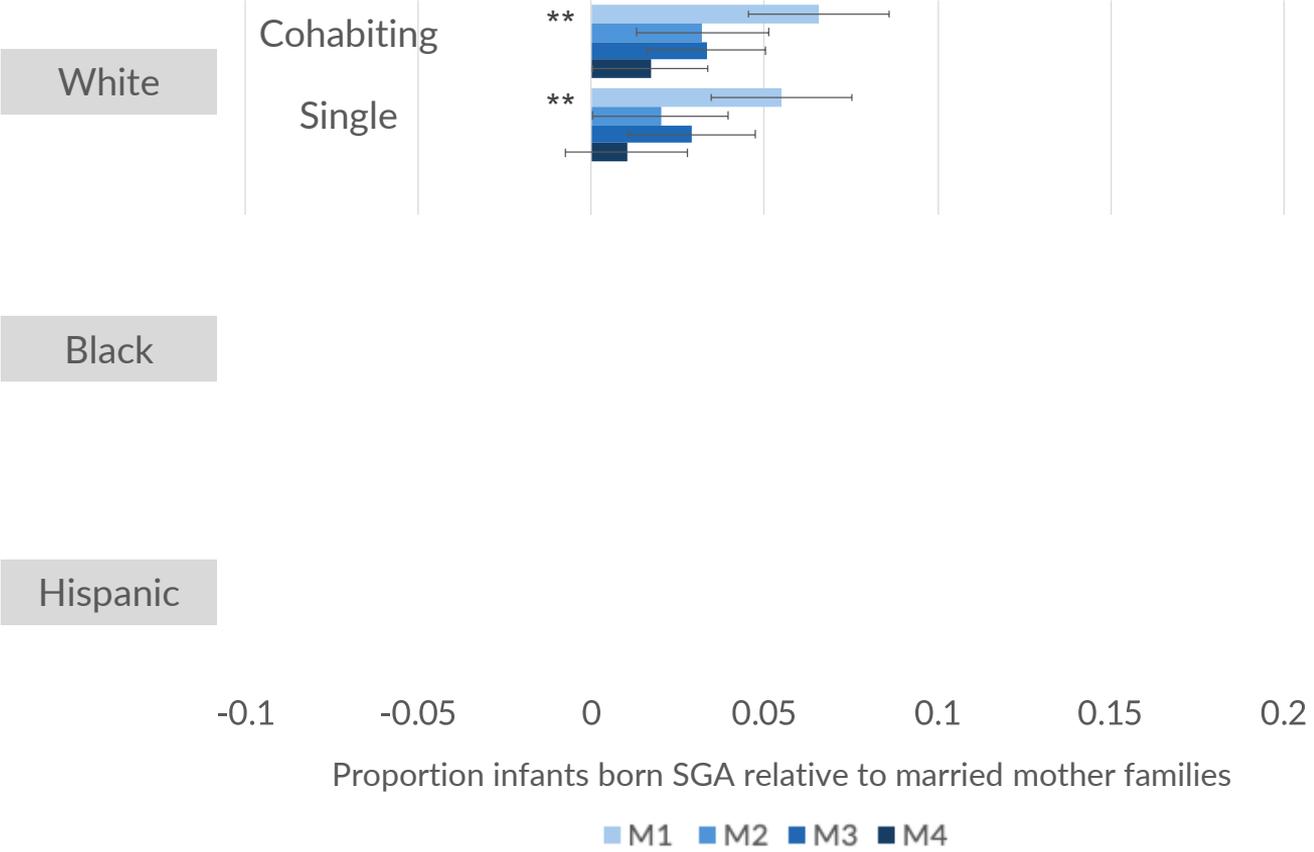
Hispanic

-0.1 -0.05 0 0.05 0.1 0.15 0.2

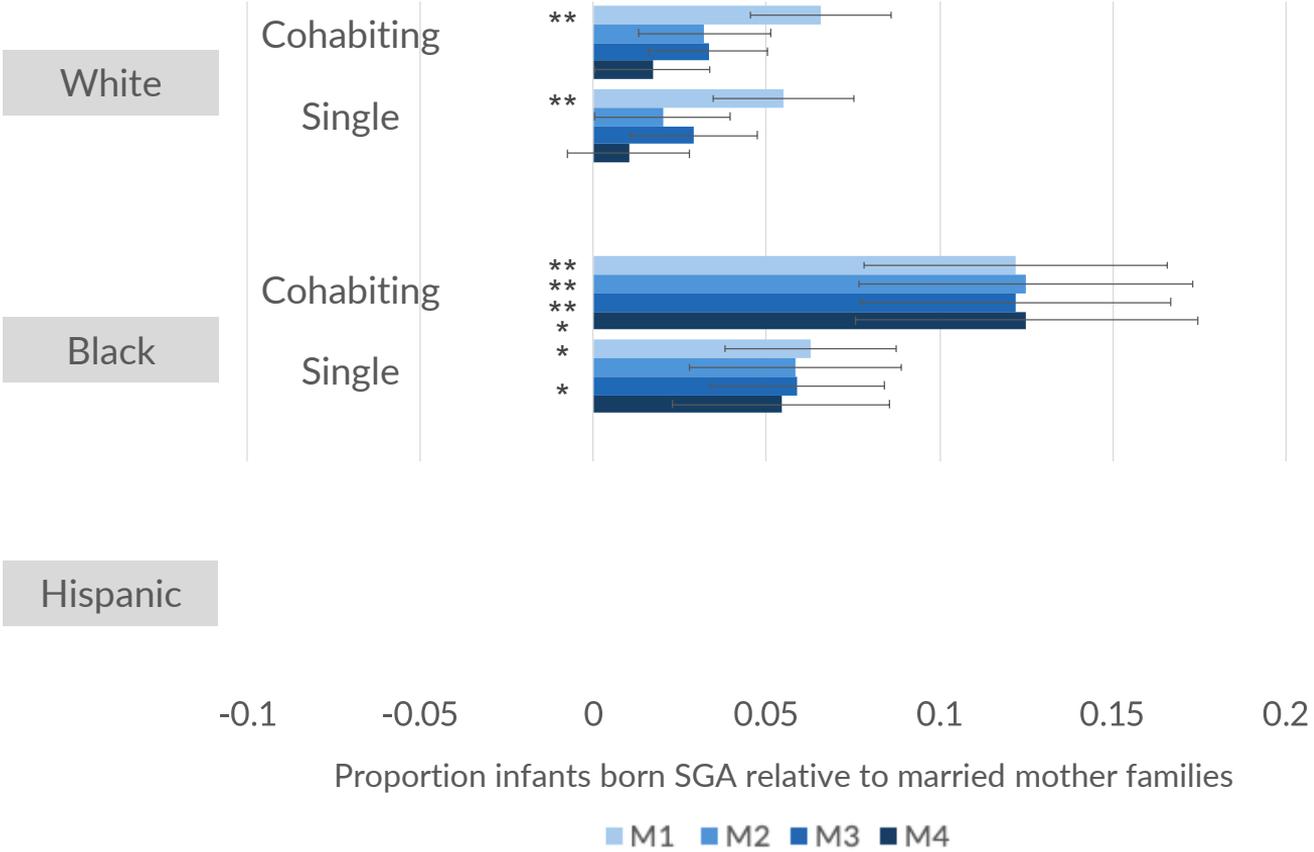
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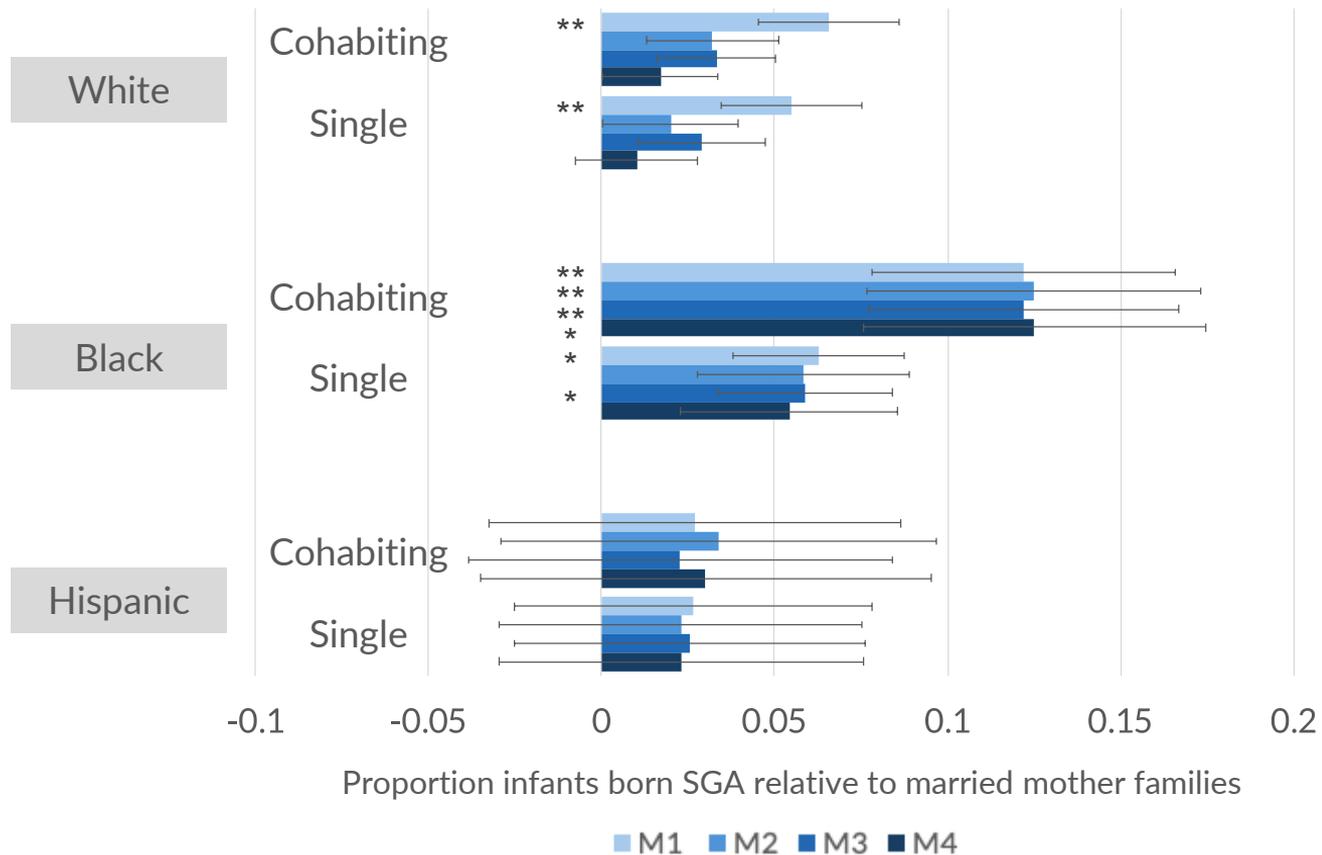
Among White U.S. parents, controlling for socioeconomic and life course selection factors *or* experiences during pregnancy accounts for gaps in infant health between married and cohabiting or single parents.



Socioeconomic and life course factors account for the gap in SGA between Black married and single parents. Infants born to Black cohabiting parents remain at significantly higher risk of SGA across models.



There are no significant differences in the risk of SGA across family structures among Hispanic parents.



So what?

Context is key for understanding the meaning of family structure for health in early life.