



The influence of government programs on the fertility of the poor: a comparison between Mexico and Brazil

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MOTIVATION OF THIS EXERCISE



- Old debate about fertility control and reproductive health restarted in Brazil.
- Debate restarted because of fertility of poor women.
- We can compare Brazil with another country with different policies, but with similar socioeconomic characteristics.
- Mexico has government family planning, which Brazil does not have.
- ✓ Mexico has social inequality such as Brazil.



DIFFERENCES IN FAMILY PLANNING SERVICES AND POLICIES



 BRAZIL: much less emphasis on the supply of methods, restrictions on female sterilization, especially postpartum, frustrated demand for contraception, and exchange of sterilization for votes.



MAIN QUESTION FOR SELECTED STATES



- ✓ Within a municipality, will fertility differentials by socioeconomic status be smaller in Mexico than in Brazil?
- ✓ Two poor states were selected in each country:
 - Guerrero and Veracruz in Mexico.
 - Pernambuco and Piauí in Brazil.
- ✓ Two wealthier states were selected in each country:
 - Morelos and Tamaulipas in Mexico.
 - Espírito Santo and Rio Grande do Sul in Brazil.

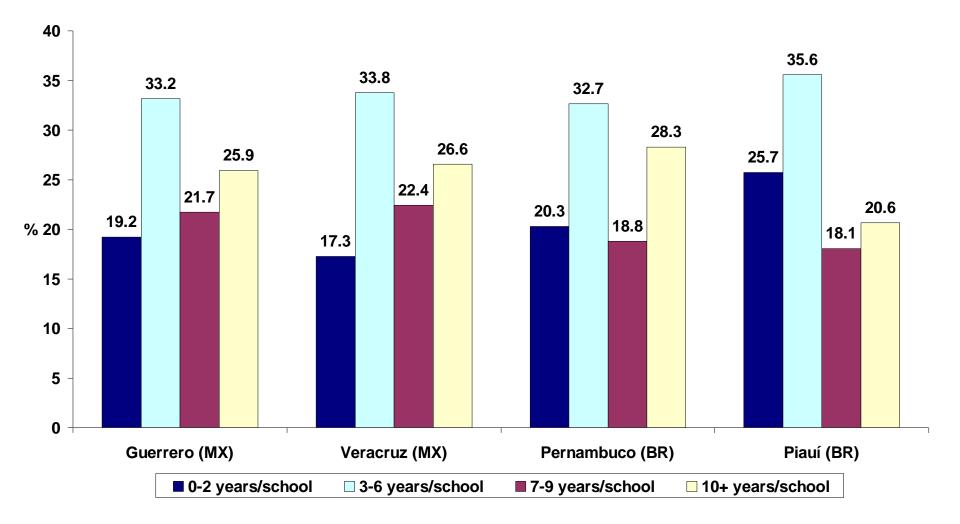
COMPARISON OF SOCIOECONOMIC INDICATORS

✓ 2000 censuses have a lot in common:

- 10% samples.
- Date of last live birth.
- Education.
- Electrification, Television, Refrigerator.

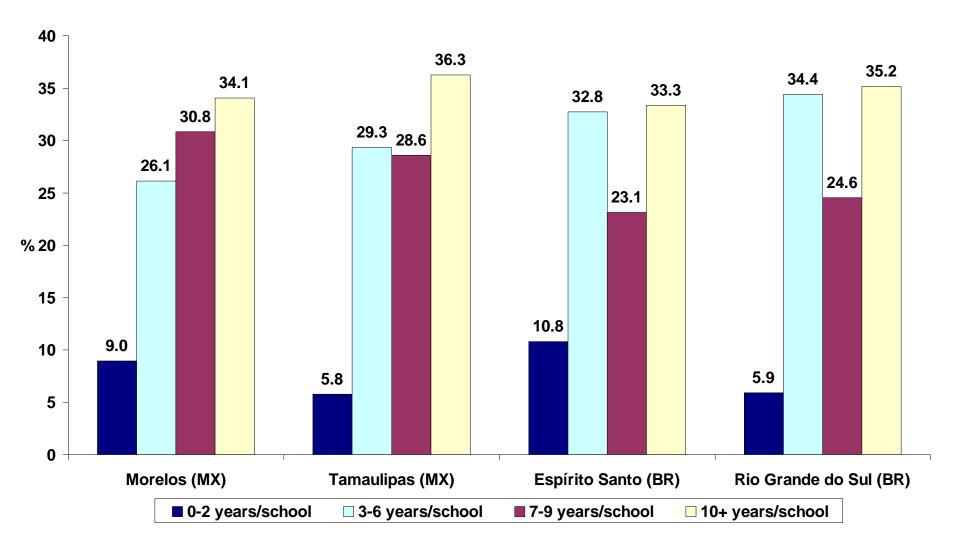


WOMEN BY YEARS OF SCHOOLING IN POORER STATES OF MEXICO AND BRAZIL, 2000



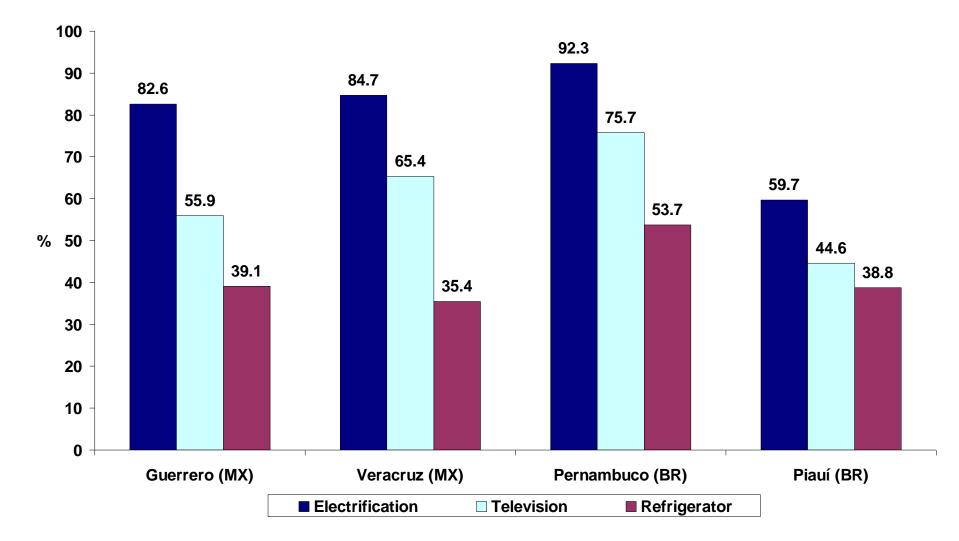


WOMEN BY YEARS OF SCHOOLING IN WEALTHIER STATES OF MEXICO AND BRAZIL, 2000



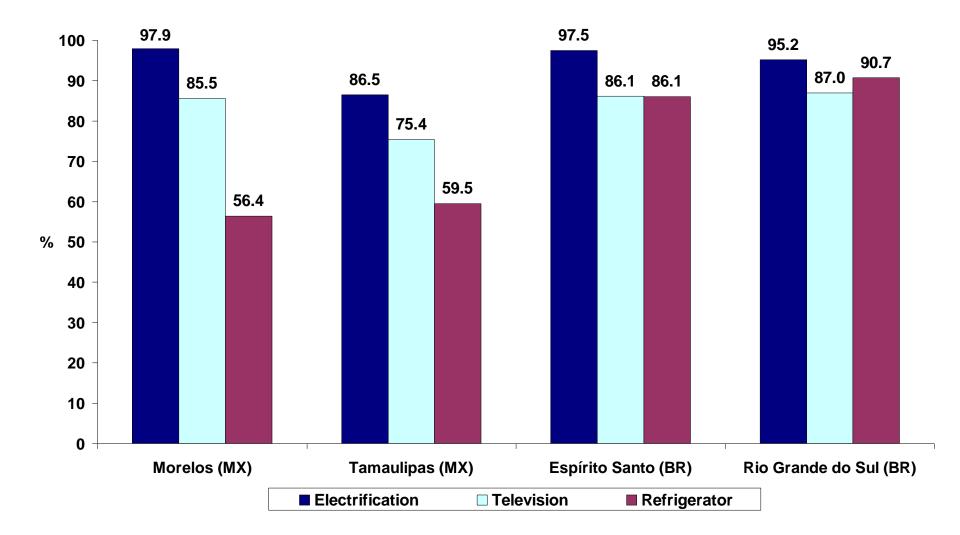


PERCENT OF HOUSEHOLDS WITH SPECIFIC INFRASTRUCTURE IN POORER STATES OF MEXICO AND BRAZIL, 2000





PERCENT OF HOUSEHOLDS WITH SPECIFIC INFRASTRUCTURE IN WEALTHIER STATES OF MEXICO AND BRAZIL, 2000





FERTILITY PREFERENCE AND PLACE OF BIRTH



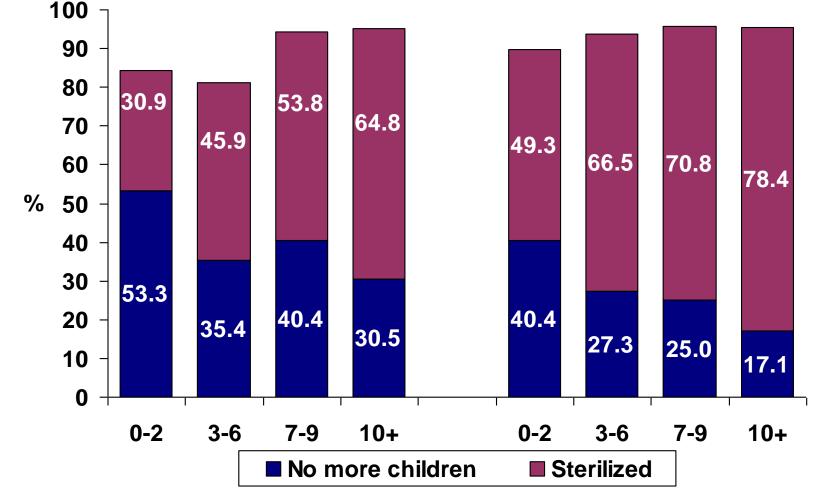
 \checkmark Data on fertility desires and place of birth are from:

- 1997 Mexican Demographic Dynamics Survey (ENADID).
- 1996 Brazilian Demographic Health Survey (DHS).

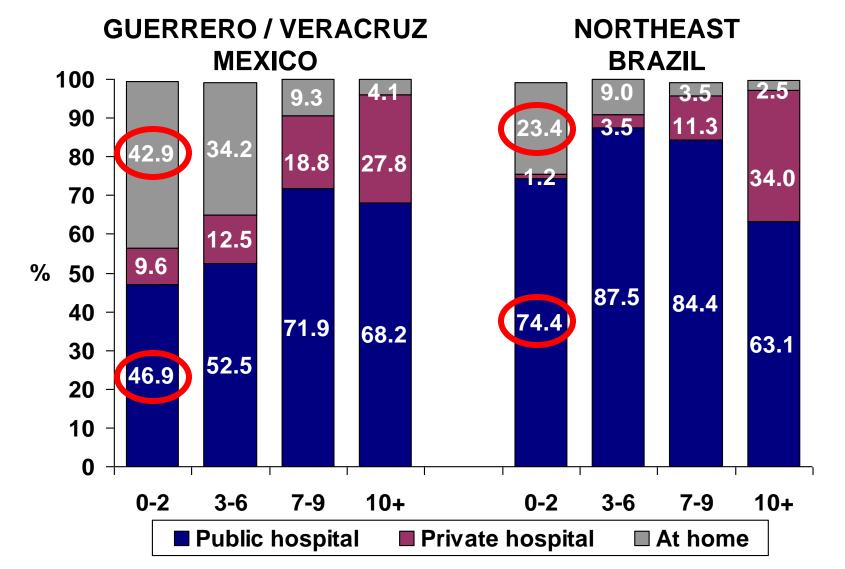
WOMEN WITH PARITY EQUALS TO 3 BY YEARS OF SCHOOLING AND FERTILITY PREFERENCE

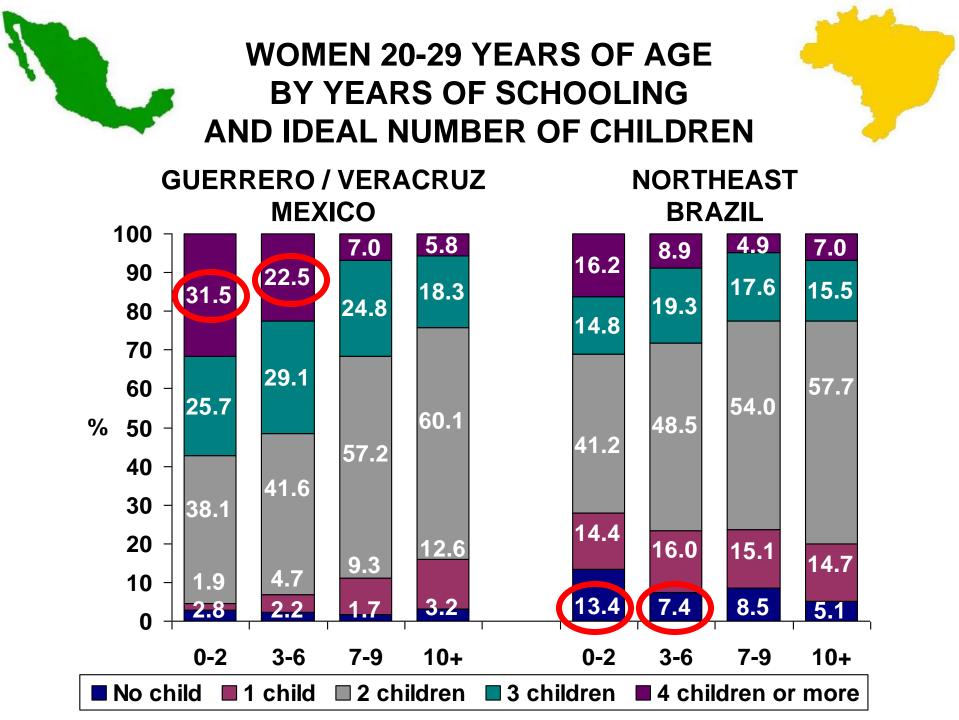
GUERRERO / VERACRUZ MEXICO

NORTHEAST BRAZIL



WOMEN BY YEARS OF SCHOOLING AND PLACE OF DELIVERY OF LAST CHILD



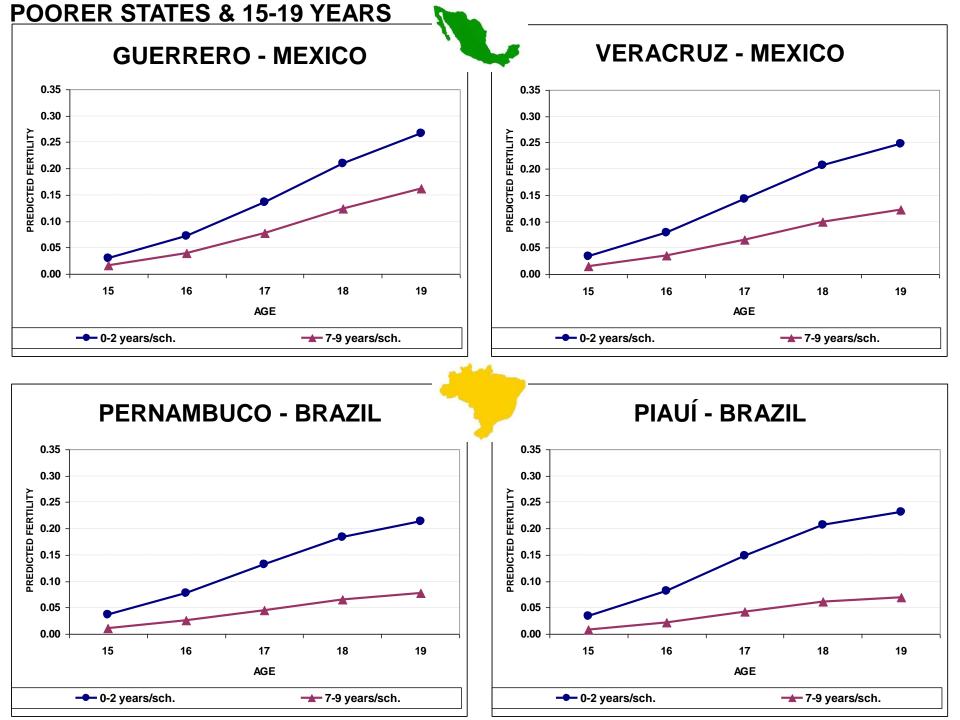


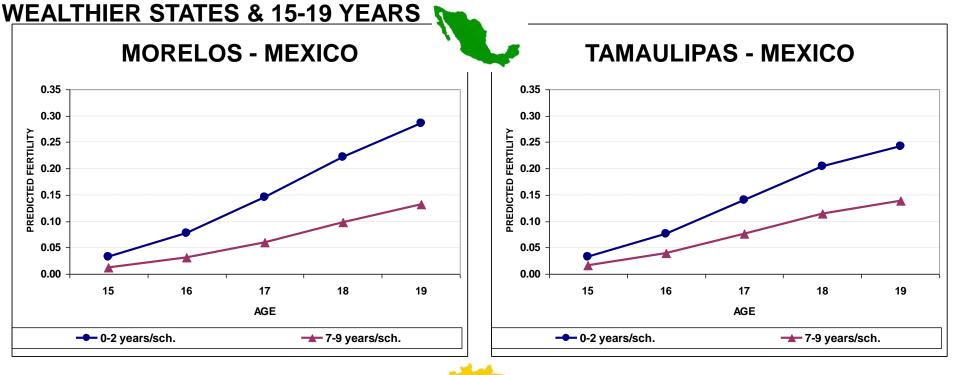


LOGISTIC MODEL USING 2000 CENSUSES

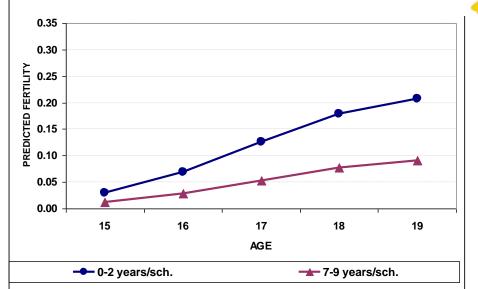


- In Brazil, the TFR in a municipality is well predicted by the degree of electrification and the average level of women's education.
- Dependent variable: child born alive last year.
 Independent variables:
 - Age, age-squared, education groups, parity, catholic, indigenous, states, municipal electrification factor.
 - Interactions with states and electrification.

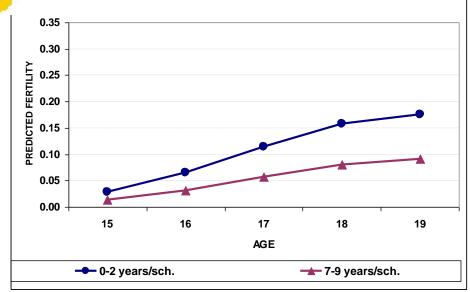


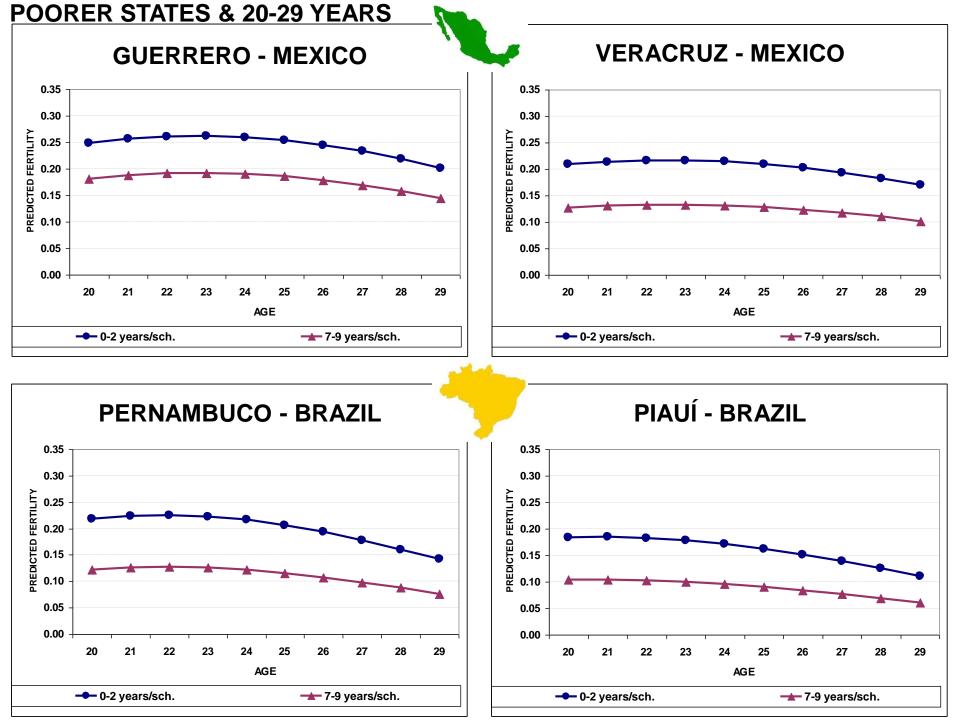


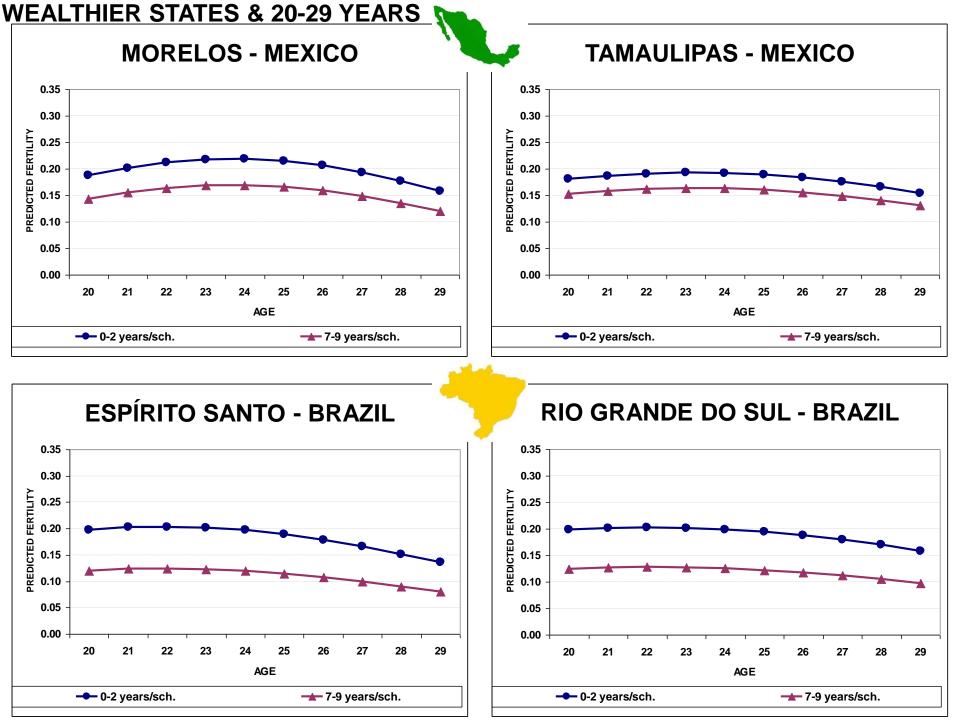


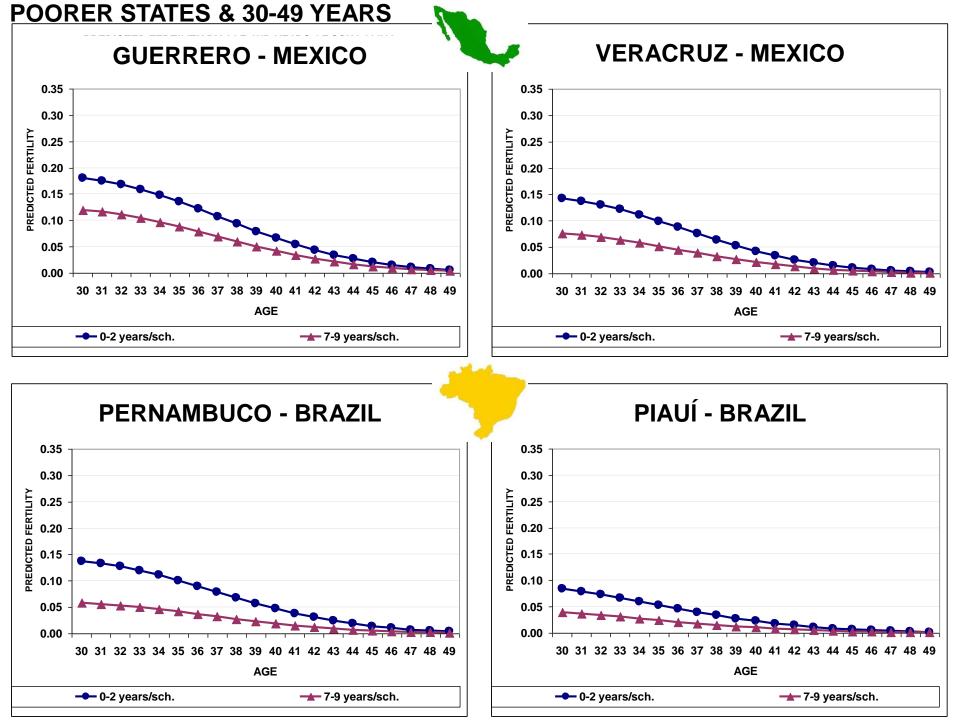


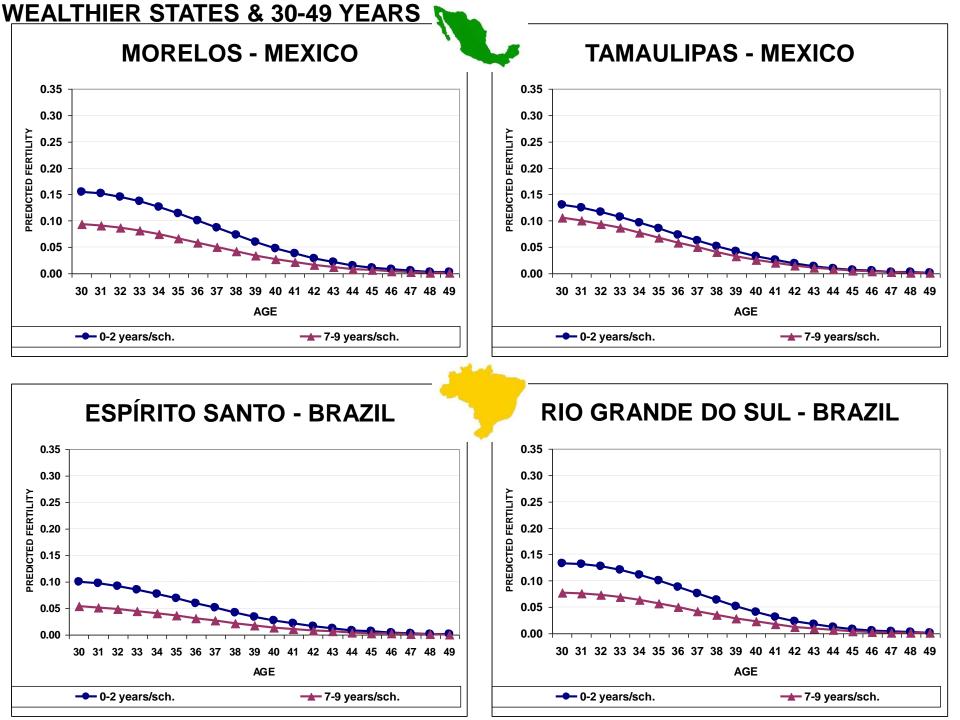
RIO GRANDE DO SUL - BRAZIL













DISCUSSION



- Huge differentials in both countries, specially 15-19 age group.
- ✓ Does policy reduces differentials?
 - This influence is clearest in comparison of the richest states (20-29 and 30-49 age groups).
 - Poorest states also have differentials, but this pattern is complicated by higher proportion of births taken at home in Mexico.
- In future studies, we are going to use data about place of delivery by Mexican municipalities.