

The Influence of Government Programs on the Fertility of the Poor: a comparison between Brazil and Mexico

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MOTIVATION OF THIS EXERCISE

- A recent controversy in the Brazilian press
- Previous work with Brazilian census data
- 2000 censuses have a lot in common:
 - 10% samples
 - date of last live birth
 - other household and individual variables

DRAUZIO VARELLA Folha de São Paulo Newspaper, August 23, 2003

- One of Brazil's most pressing problems is the high fertility rate among the poor.
- Even in such a modern age as ours in which effective contraception methods are available, there are still a huge number of undesired pregnancies among the poor.
- Why do policy-makers keep avoiding this issue?

MARIA JOSÉ DE OLIVEIRA ARAÚJO Coordinator of Woman's Health Brazilian Ministry of Health

- In the last 20 years, Brazil was one of the countries whose fertility rates fell most rapidly, based on census data.
- On the other hand, poverty is still a reality; social exclusion is still out there; misery is still out there.
- So, I believe it is a grave contradiction that social sectors re-start the debate over poverty, social exclusion and violence as an issue that requires fertility control.

PRESIDENT LULA From his speech, March 2003

- I went to poor villages in Piauí state with government secretaries.
- It was common to find homes with women under 21 years of age, who had two, three or more children, and were without a husband.
- How can we solve such a serious problem?
- It's a cultural problem. These young ladies most likely have not had any sexual education during their childhood, teenage years, and even adult years.

DIFFERENT FAMILY PLANNING AND REPRODUCTIVE HEALTH SERVICES AND POLICIES

MEXICO

Programs of SSA, IMSS and IMSS-Solidaridad for both insured and uninsured with promotion of IUD and Female Sterilization. Postpartum, but also via clinics.

BRAZIL

Much less emphasis on the supply of methods, restrictions on female sterilization, especially postpartum, frustrated demand, abortion, and exchange of sterilization for votes.



PREVIOUS STUDIES

MEXICO

BRAZIL

The use of female sterilization and the IUD in a community is strongly associated with the proportion of births taking place in public hospitals.

The TFR in a municipality is well predicted by the degree of electrification and the average level of women's education.



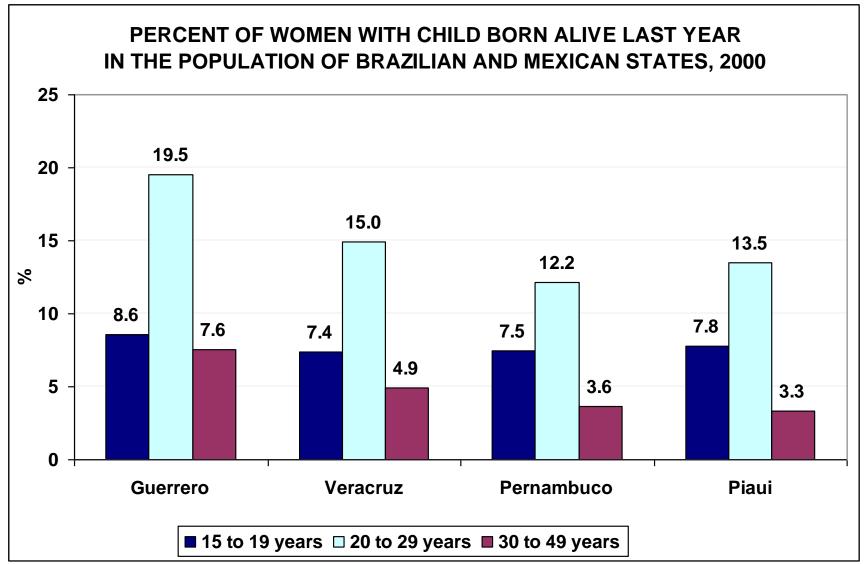
MAIN QUESTION

- Within a municipality, will fertility differentials by economic and social status be smaller in Mexico than in Brazil?
- So long as the demand for children is approximately equal between the very poor and the not so poor in both countries.

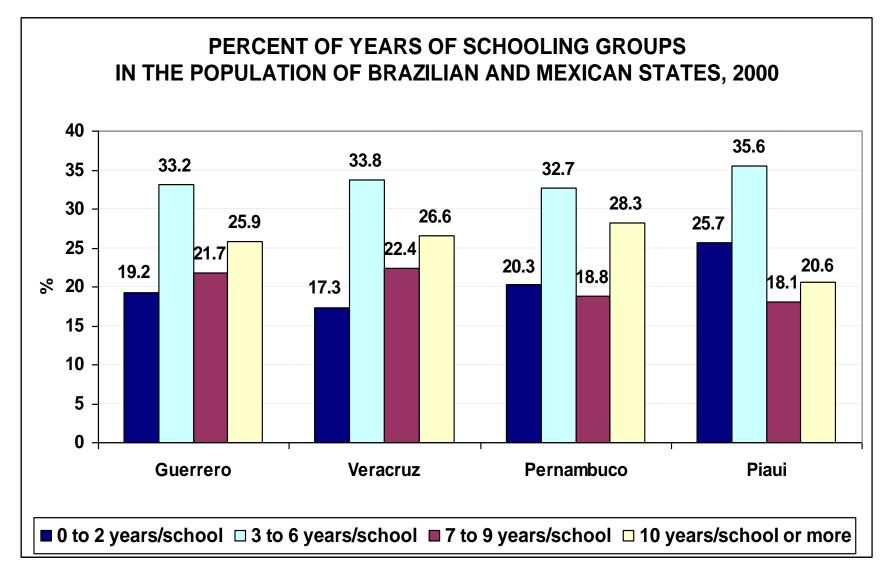
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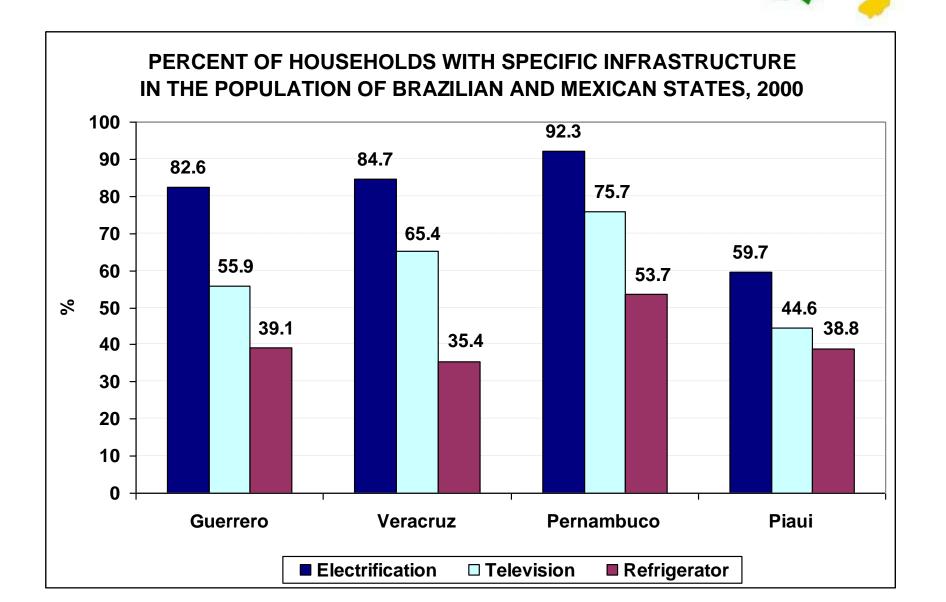
- 2000 Censuses, 10% (15%) of four states: Piauí, Pernambuco, Guerrero and Veracruz, using individual data on date of last live birth.
- Four categories of educational attainment:
 0-2, 3-6, 7-9, and 10+ years.
- Municipal development factor based on the percentage of households with electricity, refrigerators, and TV.
- Data on fertility desires from 1996 DHS and 1997 ENADID.

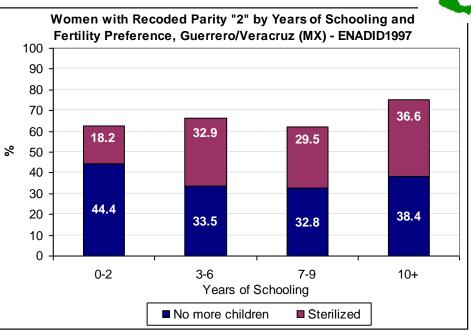


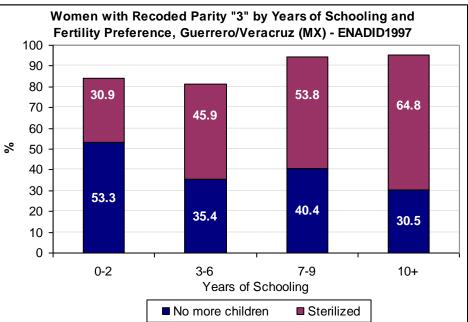




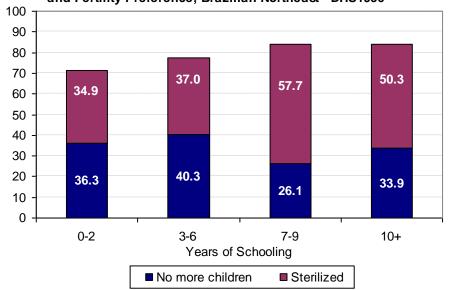




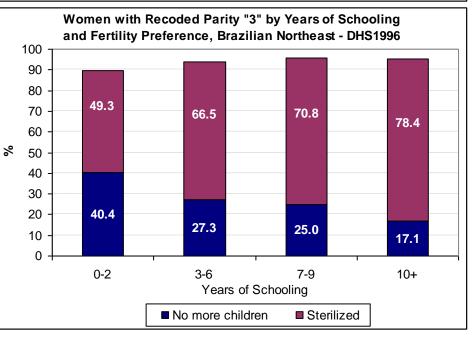




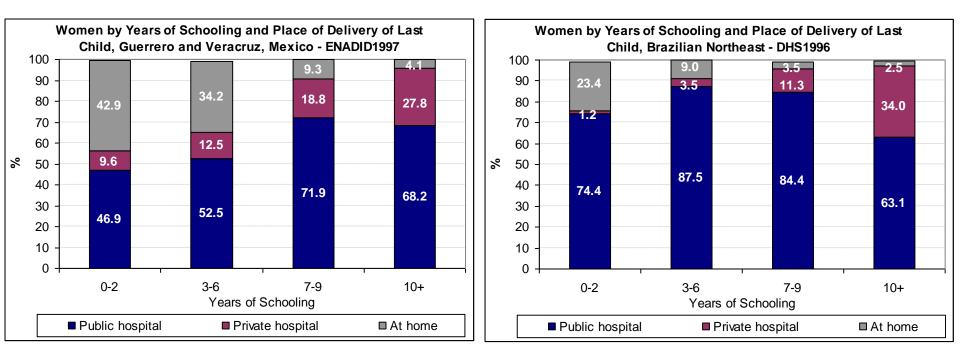
Women with Recoded Parity "2" by Years of Schooling and Fertility Preference, Brazilian Northeast - DHS1996



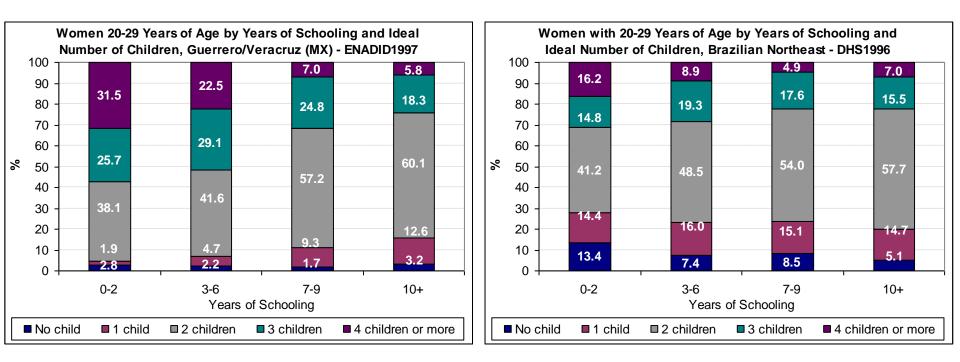
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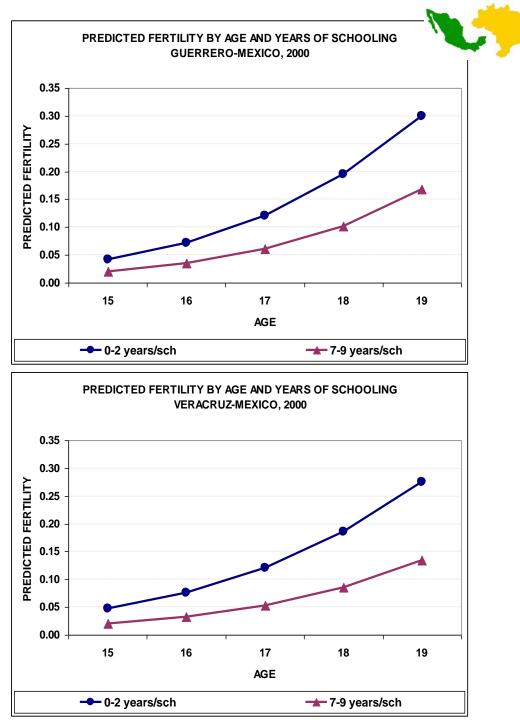


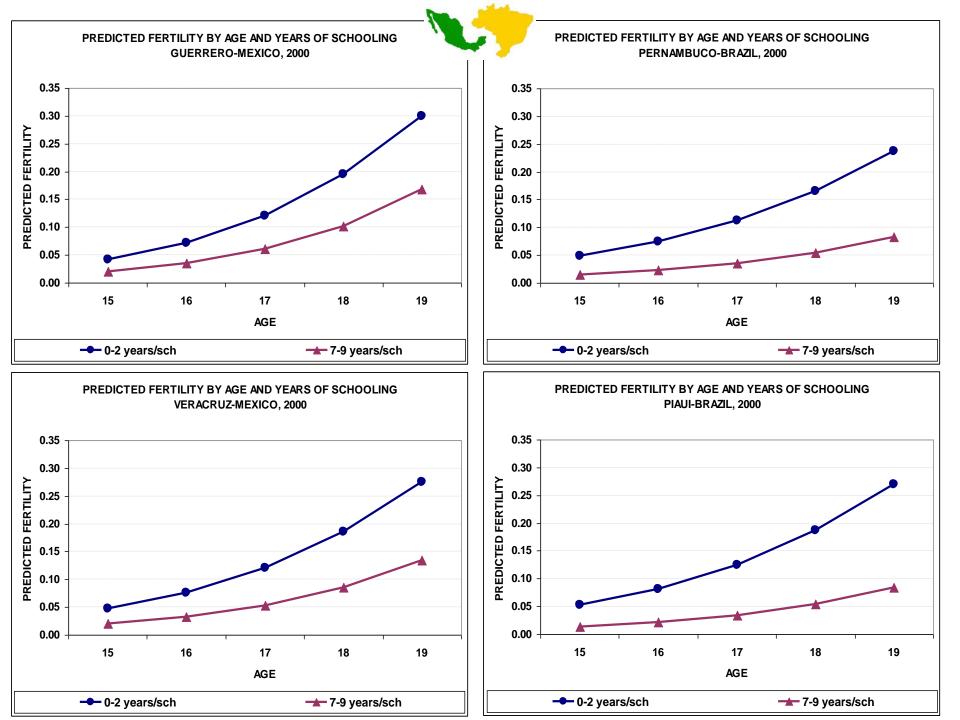


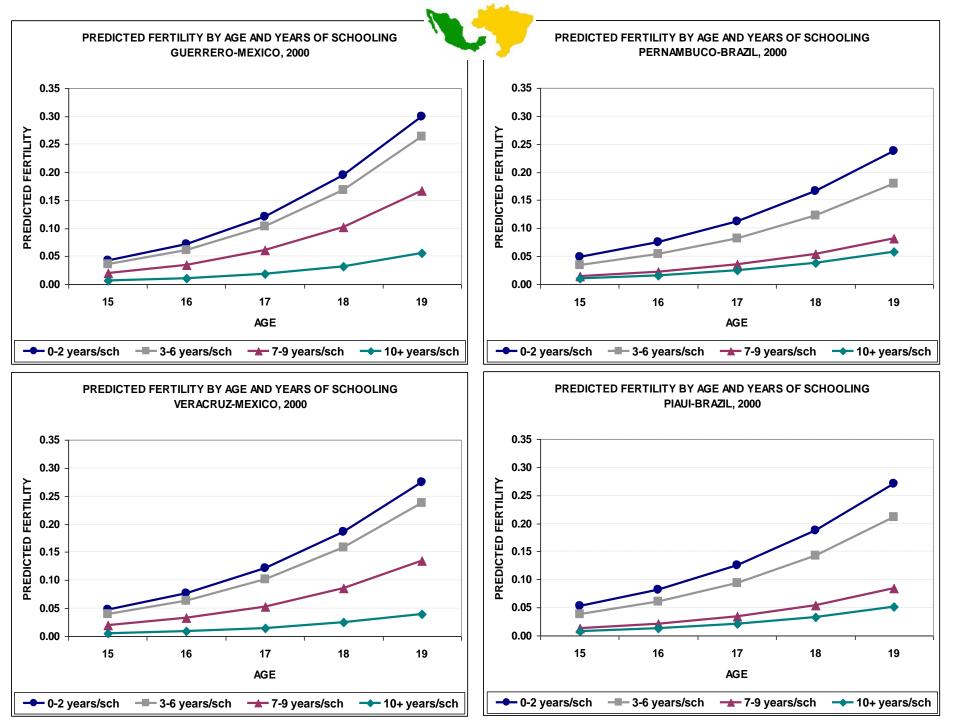


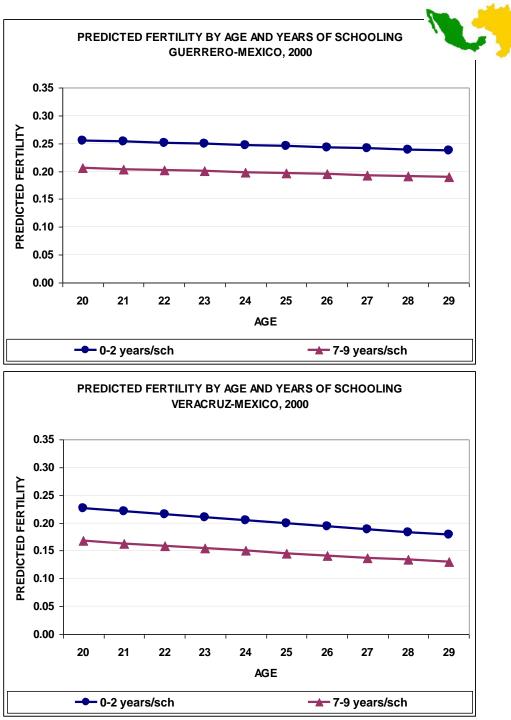


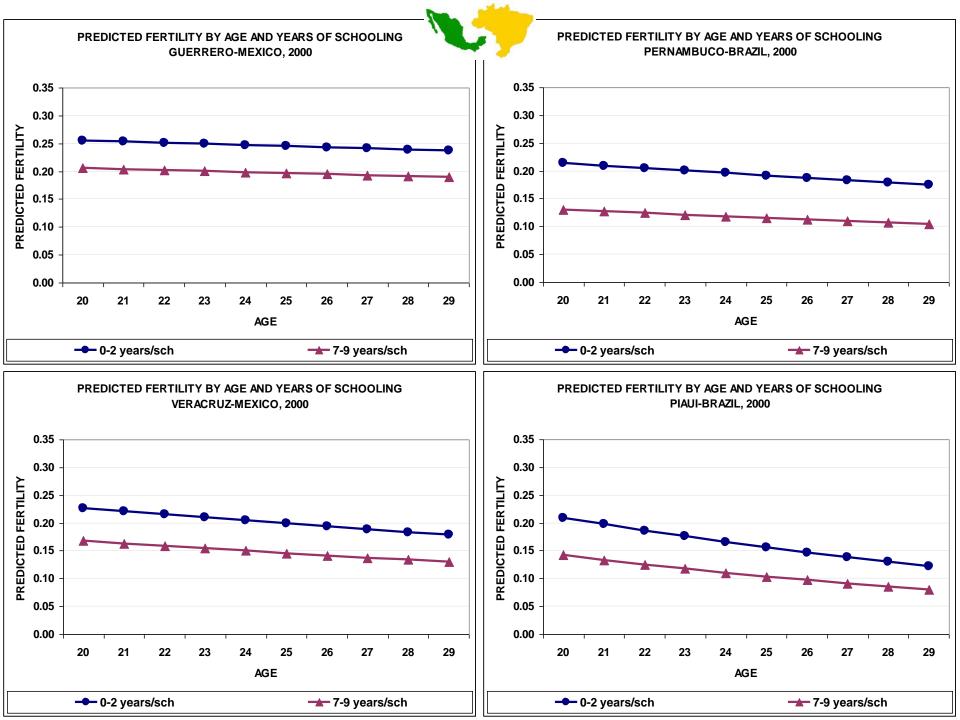


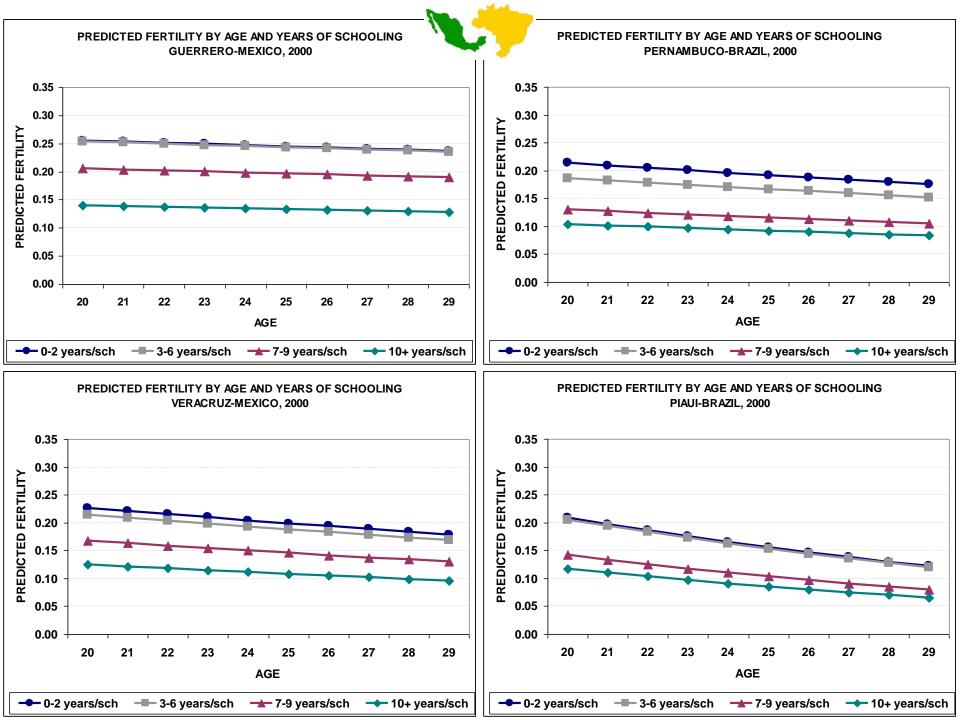


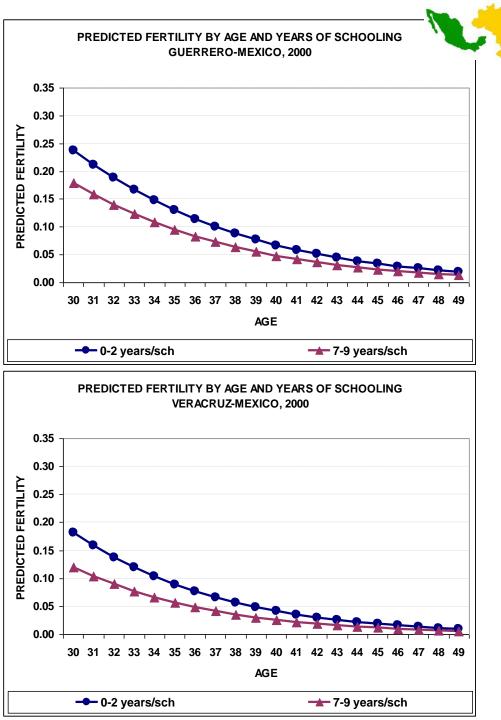


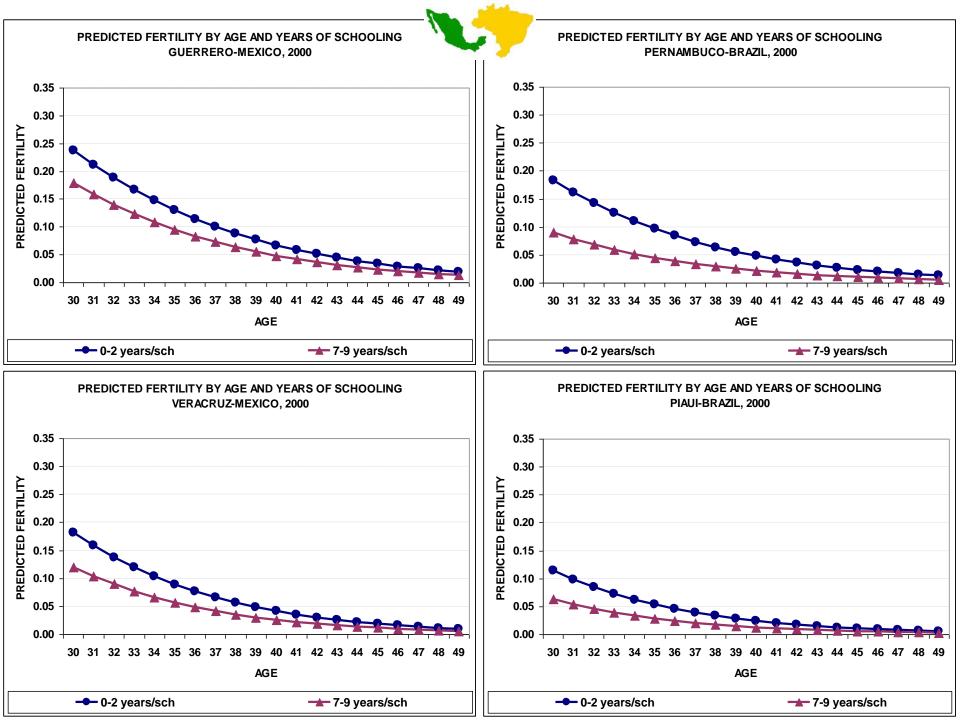


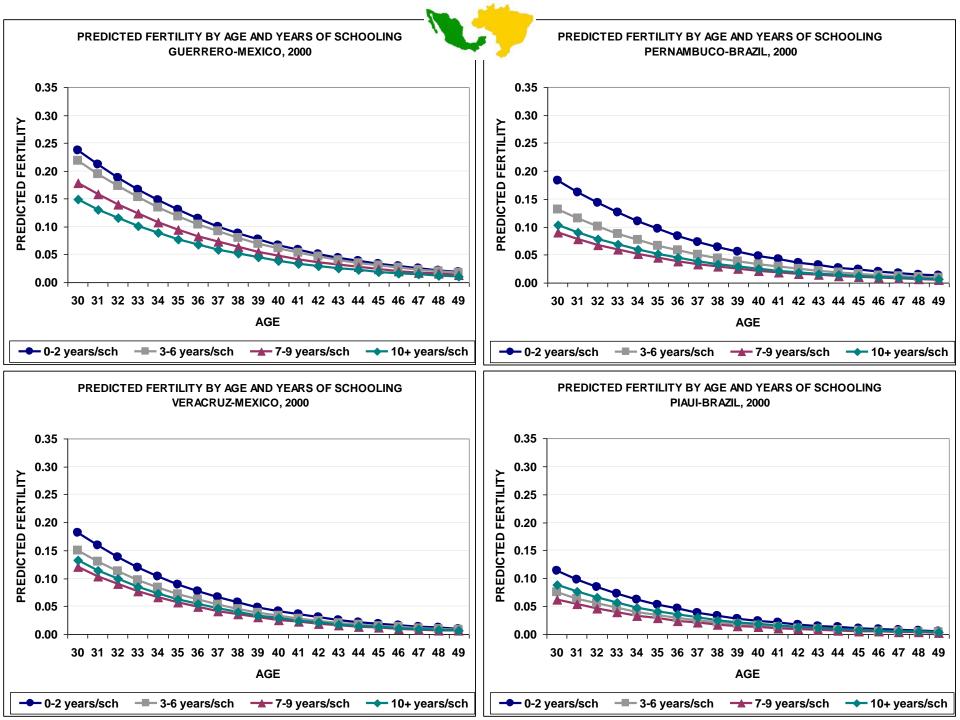












DISCUSSION



- Censuses data are indicating that fertility differentials in Brazil and Mexico are quite similar, even though the discussion of public policies would suggest the opposite.
- However, findings for 15-19 age group are consistent with the hypothesis that public family planning programs decrease fertility differentials among women with different socioeconomic status.
- Older age groups, such as 30-49, are mixing women with high parity and those with low parity who are delaying pregnancy.
- Preliminary results suggest that for women with at least 3 children ever born, lower-classes are 4 times more likely to have had a child last year than those not so poor in Piauí.