

# 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.

# DATA

- 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



%





























# 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.