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Developing Fertility Database for Latin America: A Quick Overview

Everton E. Campos de Lima

Mathias Nathan

Human Fertility Database: Expanding Research Opportunities

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LATIN AMERICA



- ❑ Region of the world that aggregates 21 countries
- ❑ Almost all countries in the region have fertility data available
- ❑ However, the quality and documentation of these datasets varies across countries

LA fertility data: problems faced

Birth data

- Datasets and documentation are not always available
- Births by age of the mother are usually available for five-year-age groups (not really a problem)
- Lack of birth order data
- Under-registration and age heaping

Mid-year population estimates

- Sometimes only for five-calendar-year intervals
- Old and new estimates do not join (non-harmonized)

ASFR & TFR

- ❑ In many countries, official ASFR and TFR are estimated every ten years (after population census), for five-calendar-year intervals and five-year-age groups
- ❑ Indirect estimation methods with census or survey's data are frequently used
- ❑ No estimates by birth order, even in those countries where data is available for this purpose

HFD/HFC: data collected so far in LA

- ❑ Thanks to the effort and collaboration of some researchers, fertility data, in a number of countries, started to be collected and published in the **Human Fertility Collection** since 2012
- ✓ Costa Rica (Arodys Robles); Chile (Ruben Castro and Jorge Rodriguez); Brazil (Everton E. C. Lima); Uruguay (Mathias Nathan); Cuba (María del Carmen Franco Suarez); Argentina (María de las Mercedes Fernández); Mexico (Víctor Manuel García Guerrero)
 - ❑ Initial communications has been already stablished with Bolivia, Colombia and Peru
- ❑ Data for Chile 1992-2005 reached the quality standards of **Human Fertility Database**
 - ❑ Some other countries, like Argentina, Costa Rica and Uruguay, might also achieve such standard for some periods

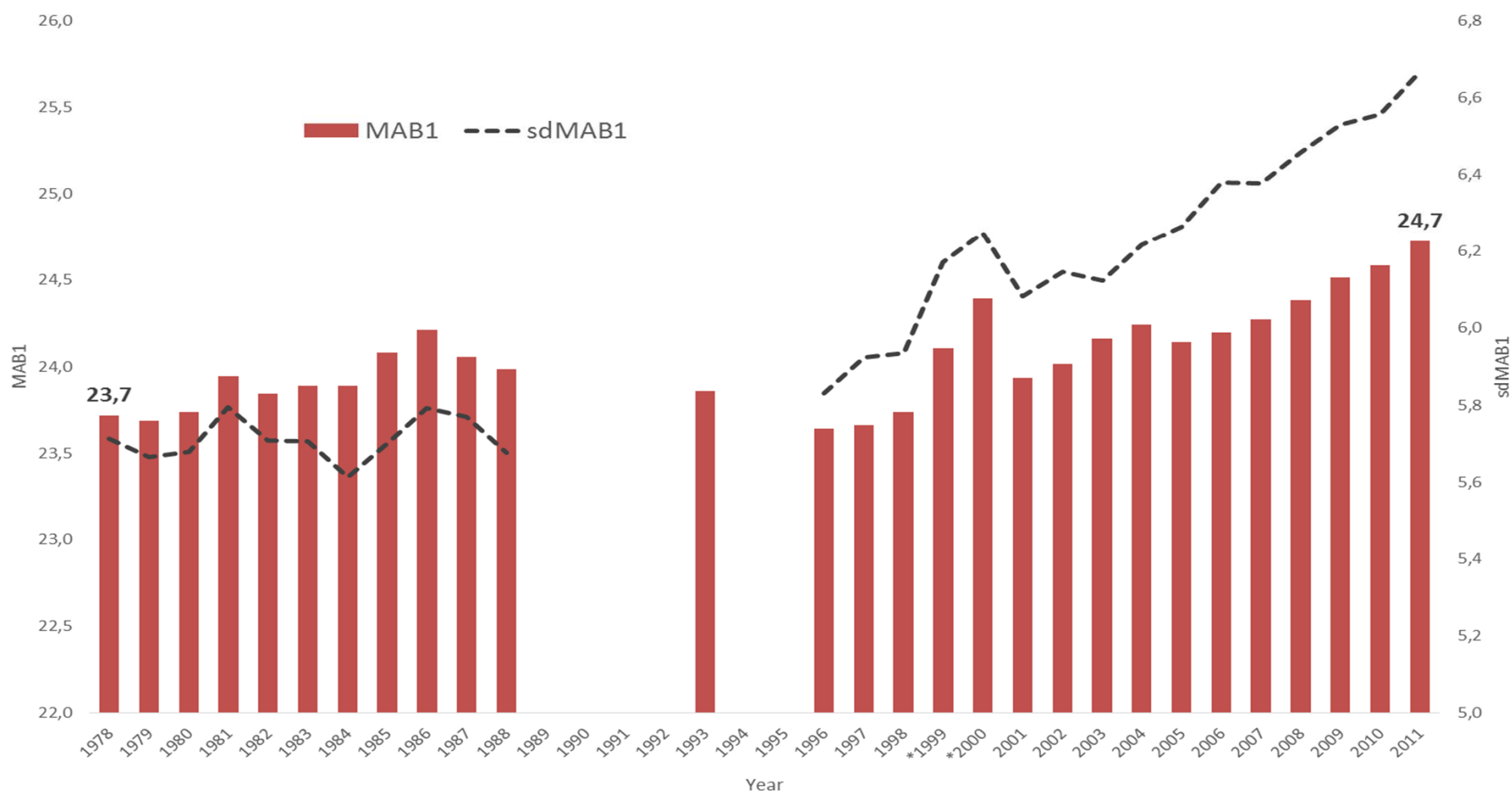
HFC - Uruguay

PERIOD	HFC DATA	BIRTHS SOURCE	FEMALE POPULATION
1961-1977	ASFR 5-year age group	Published official live birth counts	Official mid-year population estimates (1998 revision)
1978-1982 & 1993	ASFR BO 5-year age group	Unpublished tables collected from the archives of the MPH	<u>Adjusted mid-year population estimates</u>
1983-1988	ASFR BO 5-year age group	Published official live birth counts	<u>Adjusted mid-year population estimates</u>
1996-2011	ASFR BO 1-year age group	Micro-data from the live-birth certificate and perinatal information system	Official mid-year population estimates (2013 revision)

* Missing data for 1989-1992 and 1994-1995.

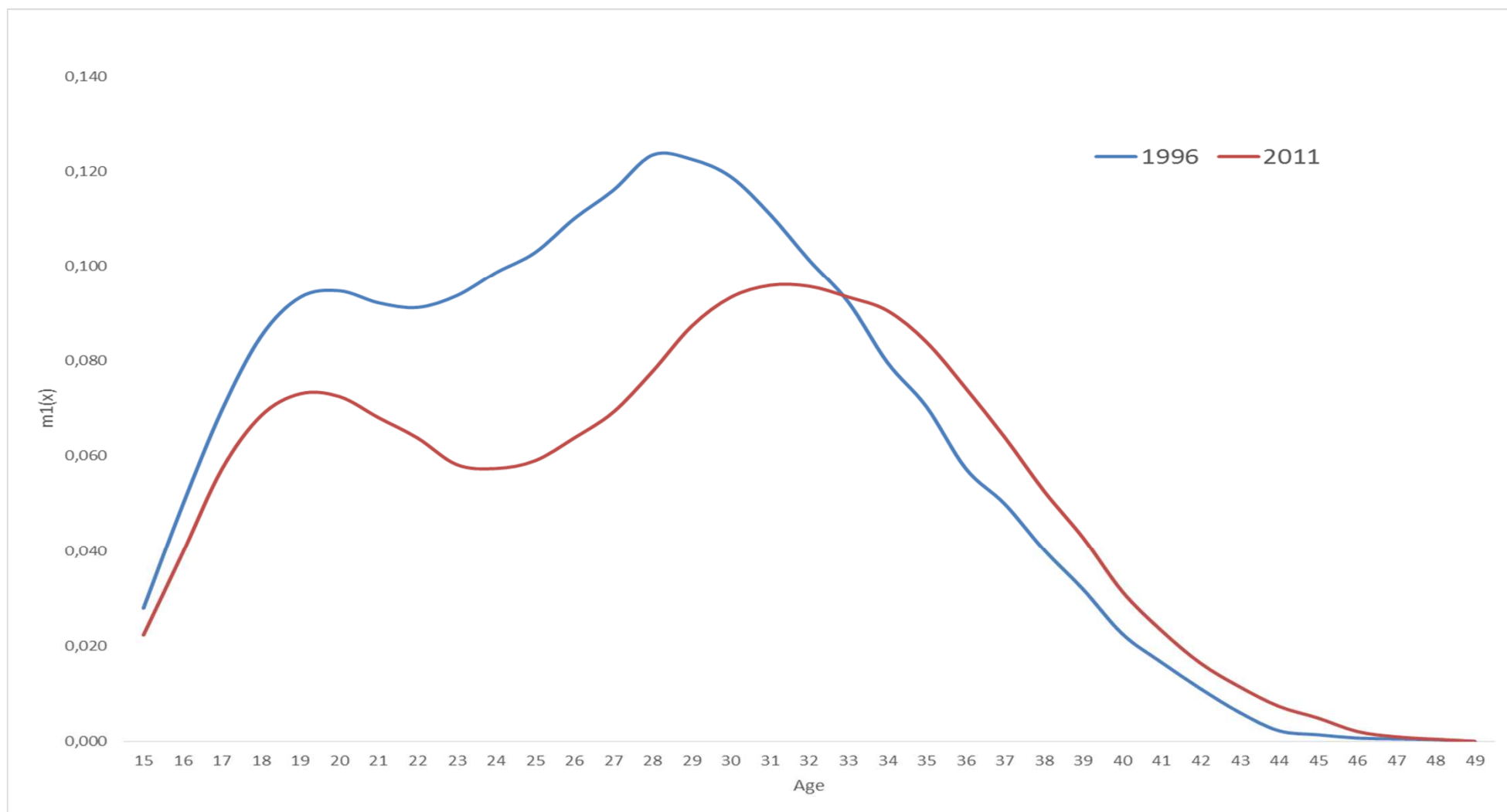
Empirical results (1)

MAB1 & sdMAB1. Uruguay, 1978-2011



Empirical results (2)

Conditional ASFR1. Uruguay, 1996 & 2011



Future steps

- Enlarge the list of LA countries included in the HFC
- Re-define data quality-standards for fertility databases in LA
- Discuss further initiatives

Thank you!

Adjusted mid-year female population estimates (example) Uruguay, 1978-2011

