Developing Fertility Database for Latin America: A Quick Overview

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Human Fertility Database: Expanding Research Opportunities

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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)
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 established 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

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Unpublished tables collected from the archives of the MPH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

Empirical results (1)

MAB1 & sdMAB1. Uruguay, 1978-2011
Empirical results (2)

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