URY_04

Cabella, W., M. Nathan and I. Pardo. Age-specific fertility rates by birth order calculated from Live-Birth Certificate, Perinatal Information System and female population exposures, 1996-2011 [unpublished data]. Submitted to the HFC on 8 September 2014.

Short description

Age-specific fertility rates for all birth orders combined and by birth order for the period 1996-2011 for Uruguay were computed for ages 12 to 50+ and birth orders 1 to 4+. Birth data were computed from official Live-Birth Certificate microdata for 1996-2007. Due to the increasing proportion of births with unknown birth order in the Live-Birth Certificate for 2008-2011, we used the Perinatal Information System to match microdata and produce harmonized birth series by age and birth order. Records without birth order information were also retrieved from individual's reproductive history using merged Live-Birth Certificate microdata 2003-2011 (only for women with two or more children born in that period). For all years, birth order was computed as the sum of mother's previous live-births (number of children alive + number of dead children) and the new live-birth. In case of multiple births (e.g. twins), each one of the live-births was computed with different birth order. Births with unknown age and birth order were distributed proportionally to the observed data. Births were tabulated by year of occurrence and weighted using the under-coverage factors published in the Instituto Nacional de Estadística (INE) (2013).

Specific issues:

Births in 1998: incomplete microdata (90% of events). We used the observed relative distribution of births by age and birth order to compute absolute distribution from the total number of births that were registered in that year.

Births in 1999 and 2000: age heaping of births in ages of the mother 31 and 36. A new age-of-the-mother variable created by the Office of National Statistics was used exclusively for those years.

Sources of the input data:

Microdata for 1996-2011 from the Live-Birth Certificate were collected by the Ministry of Public Health, revised and provided by the Ministry of Public Health and the Office of National Statistics of Uruguay.

Microdata for 2008-2011 from the Perinatal Information System were provided by the Ministry of Public Health of Uruguay.

Mid-year population estimates by sex and age for 1996-2011 were taken from INE 2013. Estimaciones y proyecciones de la población de Uruguay. Instituto Nacional de Estadística. Revisión 2013. www.ine.gub.uy. Available at request.

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