

Fertility Response to Crises

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- Demography: Fertility rate
- Proximate Determinants of Fertility Framework (Hill and National Research Council 2004; Davis and Blake1956; Bongaarts 1978)
- Crises affects one or more of the proximate determinants of fertility
 - Exposure to sex: eg Formation and dissolution of unions
 - Conception: eg Use and Nonuse of contraception
 - Childbearing: eg Stillbirth, abortion
- Analytic examples: War in Angola (Agadjanian 2002); Tsunami in Indonesia (Nobles, Frankenberg, Thomas 2015); War in Palestine (Fargues 2000); War in Eritrea (Blanc 2004)

- Economics: Fertility behavior
- Examine the fertility response to crises as a
 - shock in the decision making process
 - Difference in different empirical approach
- How does the crises affects fertility through:
 - Preferences for children (Baez 2010)
 - Marriage market (Millan 2014)
 - Children as insurance (Finlay 2009; Portner 2008)
- Fertility response to three high mortality earthquakes (Finlay 2009)
 - Izmit, Turkey 1999. 17K killed
 - Gujarat, India 2001. 20K killed
 - Kashmir, Pakistan 2005. 87K killed

Bernadette

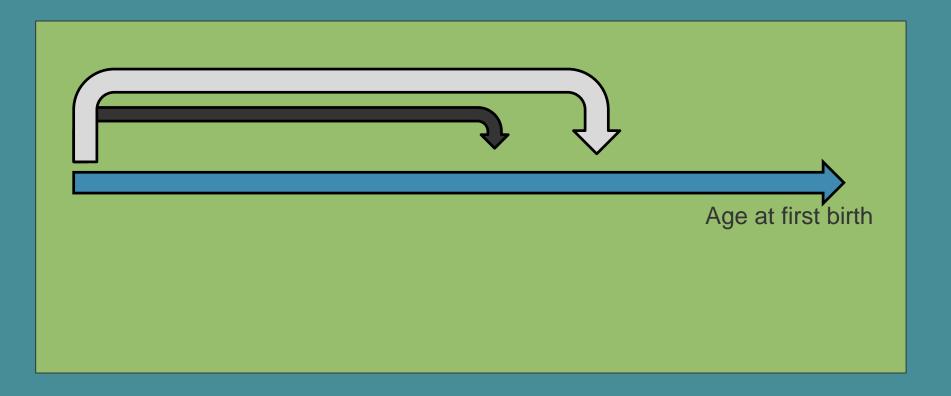


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- Resilience
 - Adaptive
 - Transformative
- Is Bernadette's story observable at a population level?
- Examine the fertility response to crises in the resilience framework
- How does exposure to a crises affect adolescent childbearing as girls seek to build resilience?
- Do women -- born into war -- go on to have their first child at a younger age?
- Yes they do.
- Let's take a closer look.

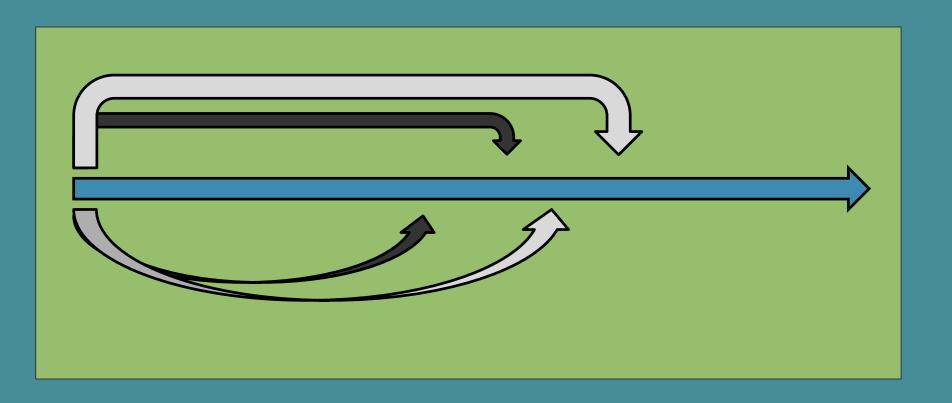
- Resilience framework: the fertility response to crises
- Fertility: maternal age, birth intervals and limiting
- Life course analysis of maternal age for girls born into war: exposed to war at age zero
- Demographic and Health Surveys for sub-Saharan African countries
- PRIO dataset on armed conflict events
- Treatment:
 - Those women in SSA exposed to armed conflict at age zero
- Control:
 - Those women in SSA who are not exposed to armed conflict at age zero

- Exclude contemporaneous exposure to conflict, capture early exposure, later life outcome.
- Others look at this kind of life course model
 - Intergenerational effect of natural disasters (Caruso 2014)
 - Dutch famine (Stein 1975)
 - Great leap forward famine (Huang 2012; Zhao Reimondos)
 - But this is the *in utero* biological channel
 - The famine event does not repeat
- Turn to economics literature on life course outcomes of early exposure
 - Recessions (Yeung 2012)
 - Pollution (Currie 2012)
- Eliminate the repeated and contemporaneous effects of repeated crises
 - Isolate treatment event
 - Balance in treatment and control groups

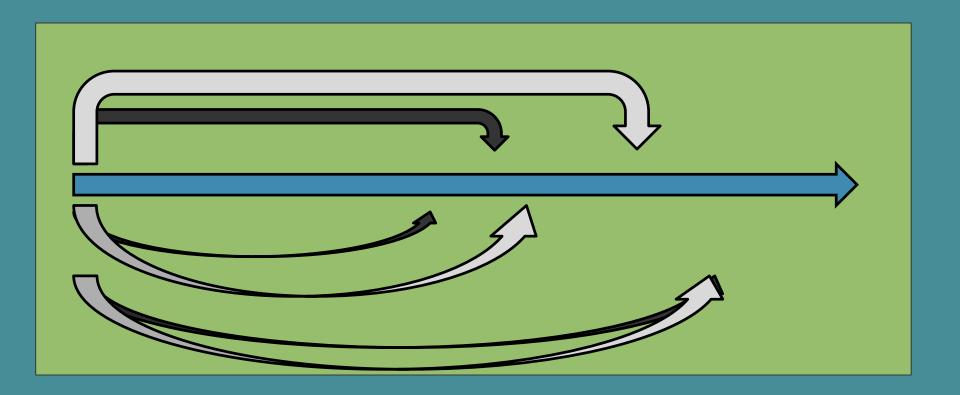


- Resilience
- Resilience promoting factors (Masten 2013)
 - Attachment
 - Education
 - Religion
 - Mastery
- Attachment builds resilience
 - Usually in the context of the child gaining resilience from attachment to parent
 - War and the child development literature (Betancourt 2008)
- My hypothesis: Mother builds resilience through childbearing
- Resilience framework: Education should null the attachment channel.











http://sexualabuseandhivinafrica.blogspot.com/2014/11/sexual-abuse-against-children-in-africa.html

- Vulnerability
 - Below average
 - Trajectory for widening inequality
- ASRH Programs to reach the vulnerable in Burundi
- Policy instruments to capture vulnerable so they may opt for life course that is adaptive and transformative





Thank you