

## Megan E. Costa

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Arizona State University | T. Denny Sanford School of Social and Family Dynamics (SSFD) |  
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## Education

Ph.D., Demography and Sociology, Graduate Group in Demography, University of Pennsylvania, August 2016

Dissertation title: *Three Essays on Household Determinants of Child Health and Well-being*

Chair: Irma T. Elo

Committee: Jere R. Behrman, Kristen Harknett, and Michael Gurven (UC Santa Barbara)

A.M., Demography, Graduate Group in Demography, University of Pennsylvania, May 2014

Thesis title: *Child Nutritional Status Among Births Exceeding Ideal Family Size in a High Fertility Population*

Reader: Claudia Vallengia

M.S.c., Demography and Health, London School of Hygiene and Tropical Medicine, August 2012

Thesis title: *Siblings Count: A Hierarchical Algorithm to Quantify Double Counting in the Sibling Survival Method using the Demographic and Health Surveys*

Reader: Ian Timaeus

B.A., Anthropology, Department of Anthropology, University of Washington, May 2009

Departmental Honors and certificate, Medical Anthropology and Global Health

Honors Thesis Title: *Parental Acceptance of HPV Vaccination Availability in Seattle High Schools*

Reader: Steven Goodreau

## Professional Experience

*Postdoctoral Scholar* with Dr. Natalie Wilkens, T. Denny Sanford School of Social and Family Dynamics, Arizona State University, August 2016-present

*Post-Bachelor Fellow* with Dr. Julie Rajaratnam and Dr. Haidong Wang, Institute for Health Metrics and Evaluation, University of Washington, 2009-2011

*Undergraduate Research Assistant* with Dr. Donna Leonetti, Nisei Aging Project, 2008-2009

## Research

- H index = 2 (Publish or Perish [Harzing, 2016] <http://www.harzing.com/pop.htm>)
- Citations = 871 total, 145.17 per year (Publish or Perish [Harzing, 2016])
- Publications are numbered in descending order within each section
- The first author has the most responsibility in our discipline
- IF = the journal's most recent Thomson Reuters Impact Factor from ISI Web of Knowledge at the time of publication
- Role = how I contributed to the manuscript
- The percentage after "Role" is my estimated percentage of the total effort for the publication

## Works Published

### *Peer-Reviewed Journal Articles – Empirical Studies*

3. Gurven, M., **Costa, M.**, Trumble, B., Stieglitz, J., Beheim, B., Rodriguez, D. E., Hooper P. L., & Kaplan, H. (2016.) Health costs of reproduction are minimal despite high fertility, mortality and subsistence lifestyle, *Scientific Reports*, 6. doi:10.1028/srep30056

IF: 5.228, Role (50%): Co-created research questions, designed analytic plan, synthesized and analyzed data, revised and edited drafts

2. Rajaratnam, J. K., Marcus, J. R., Flaxman, A. D., Wang, H., Levin-Rector, A., Dwyer, L., **Costa, M.**, Lopez, A. D., & Murray, C. J. (2010). Neonatal, postneonatal, childhood, and under-5 mortality for 187 countries, 1970–2010: a systematic analysis of progress towards Millennium Development Goal 4. *The Lancet*, 375(9730), 1988-2008. doi:10.1016/S0140-6736(10)60703-9

IF: 45.217, Role (15%): Synthesized and analyzed data, revised and edited drafts

1. Rajaratnam, J. K., Marcus, J. R., Levin-Rector, A., Chalupka, A. N., Wang, H., Dwyer, L., **Costa, M.**, Lopez, A.D., & Murray, C. J. (2010). Worldwide mortality in men and women aged 15–59 years from 1970 to 2010: a systematic analysis. *The Lancet*, 375(9727), 1704-1720. doi:10.1016/S0140-6736(10)60517-X

IF: 45.217, Role (15%): Synthesized and analyzed data, revised and edited drafts

## Works in Preparation

### *Peer-Reviewed Journal Articles – Empirical Studies*

4. **Costa M.**, Gurven MD (submitted). *Child Nutritional Status Among Births Exceeding Ideal Family Size in a High Fertility Population.*

3. **Costa M.**, Gurven MD (in preparation). *Socioeconomic Differences in Nutritional Status Among Children Aged 0-5 in the Bolivian Amazon.*
2. **Costa M.**, (in preparation). *Grandparental Coresidence and Child Nutritional Status: Evidence from the Young Lives Study.*
1. **Costa M.**, (in preparation). *Unwanted and Unhealthy? Child Health and Nutrition Among Unwanted Children by Stage of the Fertility Decline in the Demographic and Health Surveys.*

## **Presentations**

### *Refereed Professional Conference Presentations*

5. **Costa, ME**, Gurven, M. (Forthcoming, 2017, April). Grandparental Coresidence and Child Nutritional Status: Evidence from the Young Lives Study. Presenting in invited session “Family Diversity and Child Well-being” at the Population Association of America Annual Meeting, Chicago, IL.
4. **Costa, ME**, Beheim B, et al. (2016, March). Socioeconomic Gradients Negatively Impact Longitudinal Child Nutritional status in Bolivian Amerindians. Presented in invited session “Women’s Status and Child Education, Health, and Well-being” at the Population Association of America Annual Meeting, Washington, D.C.
3. Gurven MD, **Costa, ME**, Trumble, et al. (2015, March) Costs of Reproduction in a High Fertility and Mortality Population presented in invited paper symposium at The International Society for Evolution, Medicine, & Public Health Inaugural Meeting, Tempe AZ.
2. Gurven MD, **Costa ME**, Eid et al. (2014, May). Costs of Reproduction and Maternal Depletion in a High Fertility and Mortality Population presented in invited paper symposium at the Population Association of America Annual Meeting, Boston MA.
1. Gurven MD, Eid, Trumble, **Costa** et al. (2014, April). Costs of Reproduction, Maternal Depletion, And Health in a High Fertility Bolivian Population presented in invited paper symposium at the Human Biology Association Annual Meeting, Calgary, Canada.

### *Refereed Professional Conference Posters*

3. **Costa, ME.** (2016, April) *Grandparental Contribution to Child Nutritional Status: Evidence from the Young Lives Study.* Poster session at the American Association of Physical Anthropologists Annual Meeting, Atlanta GA.
2. **Costa, ME**, Gurven, MD. (2014, May) *Exceeding Ideal Family Size and Child Growth Outcomes in the Tsimane Amerindians of Bolivia.* Poster session at the Population

Association of America Annual Meeting, Boston.

1. **Costa, ME.** (2013, April). *Siblings Count: The Extent and Effect of Double Counting in the Sibling Survival Method using the Demographic and Health Surveys*. Poster session at the Population Association of America Annual Meeting, New Orleans.

#### *Invited Academic Presentations*

2. **Costa ME.** (2015, February). *Child Health in a Natural Fertility Population* Presentation for the Demography Club, Graduate Group in Demography, University of Pennsylvania.
1. **Costa ME** (2014, December). *Child Growth in Birth Orders Exceeding Ideal Family Size in a High Fertility Population* Presentation for the Broom Center for Demography Lab Lunch, University of California, Santa Barbara.

### **Research Honors, Scholarships, and Awards**

NICHD Training Grant, University of Pennsylvania #5T32 HD-007242 (\$29,270 stipend, tuition and fees), 2015

University of Pennsylvania Graduate and Professional Student Association (GAPSA) Travel Grant (\$400, declined), 2014

RAND Summer Institute Scholarship, 2014

Grand Challenges Canada Early Child Development Research Group, PI Jere Behrman (\$12,000 stipend), 2014

University of Pennsylvania School of Arts and Sciences Travel Subvention (\$300), 2013

University of Pennsylvania Graduate and Professional Student Association (GAPSA) Travel Grant (\$500), 2013

University of Washington Mary Gates Research Scholar (\$4,000), 2008

### **Teaching and Mentoring**

#### **Teaching Experience**

##### *Undergraduate Courses Instructed*

*Population, (SOC1333)*, Sociology, Arizona State University, Spring 2017

Description: This in-person course is an introduction to the study of population and demography, including the topics of fertility, mortality, migration, family formation, and family structure.

Within these broad areas we consider the social, economic, and political implications of current trends, including population momentum, low fertility, the impact of international migration on receiving societies, population aging, racial classification, growing diversity in household composition and family structure, population and environmental degradation, and the link between population and development.

#### *Teaching Assistantships*

*Health of Populations (SOC1 111)*, Department of Sociology, University of Pennsylvania, Spring 2015

*Methods, Tools, and Data in Health Metrics and Evaluation (GH 590)*, Department of Global Health, University of Washington, Fall 2010

#### *Readerships*

*Anthropological Demography and Life History Theory (ANTH 145)*, Department of Anthropology, University of California at Santa Barbara, Autumn 2014

#### *Guest Lectures*

*Fertility Measures*, Anthropology 145: Anthropological Demography and Life History Theory. University of California at Santa Barbara, Autumn 2014.

*Health Program Evaluation Methods: 10-session STATA Workshop* Department of Economics, University of Zambia, Lusaka. Economic and Policy Management Masters' Program, Summer 2011.

### **Teaching and Mentoring Honors, Scholarships, and Awards**

Nominee, Dean's Award for Distinguished Teaching by Graduate Students, University of Pennsylvania School of Arts and Sciences, Spring 2015

### **Service**

#### **Service to the Unit**

Poster Judge, Institute for Social Science Research Graduate Poster Competition, ASU (December 2, 2016)

Committee Member, School Climate Committee, SSFD (Academic Year 2016-2017)

### **Professional Association Memberships**

Population Association of America

American Sociological Association

American Association of Physical Anthropologists

### **Professional Development Activities**

DREAMzone Ally Certification – ASU workshop designed to establish visible support network for undocumented students at ASU and other educational institutions. Completed December 2016.

Course in College Teaching, University of Pennsylvania Center for Teaching and Learning, Spring 2015

### **Quantitative Skills**

#### **Graduate-Level Coursework in Quantitative Methods**

##### **Demography**

- Demographic, Economic, and Social Interrelations (UPENN, H.P. Kohler)
- Population Processes, I, II (UPENN, I. Elo and K. Harknett)
- Basic Methods in Demography (UPENN, M. Guillot)
- Population Studies (LSHTM, B. Zaba and I. Timaeus)
- Population Dynamics and Projections (LSHTM, B. Zaba and I. Timaeus)
- Analysing Survey and Population Data (LSHTM)
- Research methods in Demography (UW, S. Clark)

##### **Statistics**

- Event History Analysis (UPENN, P. Allison)
- Structural Equation Models (UPENN, P. Allison)
- Quantitative Methods I, II (UPENN, P. Allison)
- Extended Epidemiology (LSHTM)
- Statistical Methods in Epidemiology (LSHTM)
- Statistics for Epidemiology and Population Health (LSHTM)
- Research Design and Analysis (LSHTM)
- Clinical Epidemiology (UW)
- Medical Biometry I (UW)
- Sample Survey Techniques (UW)

#### **Additional Training in Quantitative Methods and Design**

Rand Summer Institute: Mini-Medical School for Social Scientists, July 7-8 2014.

Rand Summer Institute: Workshop on Aging (Demography, Economics, Psychology, and Epidemiology of Aging), July 9-10 2014.

### **Statistical Programs**

STATA, *Mplus*, R

### **References**

Please feel free to contact any of the following references:

#### **DR. IRMA ELO**

Professor of Sociology  
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#### **DR. MICHAEL GURVEN**

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