

Audrey M. Dorélien

Assistant Professor, Hubert H. Humphrey School of Public Affairs
Affiliate, Minnesota Population Center
Member, Graduate Faculty, Population Studies

CONTACT INFORMATION

University of Minnesota
Humphrey School of Public Affairs
301 19th Ave S
Minneapolis, MN 55455

Email: dorelien@umn.edu
Phone: (612) 626-7403
Office: 234 HHH

PAST POSITIONS

- 2012-2014 Robert Wood Johnson Foundation Health & Society Scholar and Postdoctoral Fellow Affiliate in the Population Studies Center at the University of Michigan.
- 2008 Bixby Intern in the Population-Health-Environment Program at the Population Reference Bureau, Washington DC
- 2007 Fellow, Community Enterprise Solutions, Antigua, Guatemala
- 2004-2006 Senior Consultant, CompassLexecon an FTI Company, Cambridge, MA

EDUCATION

- 2012 Ph.D. Public Affairs, Office of Population Research and Woodrow Wilson School of Public and International Affairs, Princeton University
Dissertation Title: Birth Seasonality in Sub-Saharan Africa: Its Determinants and Implications for Child Health.
Committee: Bryan Grenfell (chair), German Rodriguez, Deborah Balk, and Adel Mahmoud
Examinations:
Demographic Theory and Methods (Thomas Espenshade and German Rodriguez);
Infectious Disease and Ecosystem System Structure (Burton Singer and Adel Mahmoud)
- 2004 B.A. Economics and Biology, Swarthmore College (Honors)
- 2002 Study abroad, Internship in Francophone Europe, Paris, France

ADDITIONAL TRAINING

- 2013 Responsible Conduct of Research Training, University of Michigan School of Public Health

- 2012 Population Health Course, University of Michigan School of Public Health
- 2011 Global Assessment and Monitoring Using Remote Sensing Course, Columbia University
- 2011 Genetics and Disease Control Workshop, DIMACS/MBI US-African Biomathematics Initiative
- 2011 Ecology of Infectious Disease Modeling and Data Analysis Workshop Sponsored by Department of Biology, Colorado State University
- 2008 Environmental Demography Summer Short Course, University of Colorado, Population Center

SCHOLARLY ARTICLES AND BOOK CHAPTERS

In Publication and Forthcoming

Audrey M. Dorélien, Sebastian Ballesteros, Bryan T. Grenfell. 2013. “Impact of birth seasonality on dynamics of acute immunizing infections in sub-Saharan Africa.” *PLoS ONE* 8(10): e75806. doi:10.1371/journal.pone.0075806

Audrey Dorélien, Deborah Balk, and Megan Todd. 2013. “What is urban? Comparing a satellite view with the Demographic & Health Surveys.” *Population Development Review*, 39 (3): 413-439

Andrew J Tatem, Susana Adamo, Nita Bharti, Clara R Burgert, Marcia Castro, Audrey Dorelien, Gunther Fink, Catherine Linard, John Mendelsohn, Livia Montana, Mark R Montgomery, Andrew Nelson, Abdisalan M Noor, Deepa Pindolia, Greg Yetman and Deborah Balk. 2012. “Mapping the denominator: Improving spatial demographic data for disease modeling and deriving health metrics.” *Population Health Metrics* 10(8) doi:10.1186/1478-7954-10-8

Balk, D., Montgomery, M. R., McGranahan, G., Kim, D., Todd, M., Buettner, T., and Dorélien, A. 2009. Mapping Urban Settlements and the Risks of Climate Change in Africa, Asia, and South America. In G. Martine, J.-M. Guzman, G. McGranahan, D. Schensul, & C. Tacoli (Eds.), *Population Dynamics and Climate Change* (pp. 80-103). New York: United Nations Population Fund and International Institute for the Environment and Development

Audrey Dorélien. 2008. “Population’s Role in the Current Food Crisis: Focus on East Africa.” Population Reference Bureau web article

Jason Bremner, and Audrey Dorélien. 2008. “Forest Conservation and Population Growth among Indigenous Peoples of the Amazon.” Population Reference Bureau web article

Work Under Review and In Progress

Audrey Dorélien “Birth seasonality in sub-Saharan Africa." *Under Review*

Audrey Dorélien. “The relationship between birth month and child health and survival in sub-Saharan Africa.” *Under Review*

Audrey Dorélien “Effects of in-utero exposure to seasonal influenza on fetal and infant outcomes in the United States, 1989-2004.” *In Preparation*

Audrey Dorélien. “Seasonal birth patterns differ by socio-demographic characteristics in sub-Saharan Africa.” *In Preparation*

Stephanie Hauck and Audrey Dorélien. “Effects of drought on child growth and nutritional status in Laikipia district, Kenya.” *In Preparation*

Audrey Dorélien. “Analysis of Temporary Protected Status for Natural Disasters.” *In Preparation*

AWARDS, FELLOWSHIPS & GRANTS

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| 2013-2014 | Robert Wood Johnson Foundation Health and Society Scholars Program Research Seed Grant (\$15,000) for project on “Impact of infectious diseases on population health” |
| 2012-2014 | Robert Wood Johnson Foundation Health and Society Scholar, University of Michigan (\$192,100 for salary, travel, relocation, computing, and research) |
| 2011-2012 | Grant to hold interdisciplinary seminar series, Global Health Program, Office of Population Research, Ecology and Evolutionary Biology, Princeton University (\$6,000) |
| 2011 | Travel Grant to Genetics and Disease Control Workshop, NSF |
| 2011 | Travel Grant to Ecology of Infectious Disease Modeling and Data Analysis Workshop |
| 2011 | Best Poster Prize, Population Association of America Annual Meeting |
| 2010 | Patrice Y. Johnson Memorial Service Award, Assoc. of Black Princeton Alumni |
| 2008 | National Science Foundation Pre-doctoral Fellowship Honorable Mention |
| 2007-2012 | Travel Grant, Office of Population Research and Graduate School, Princeton University (various years) |
| 2007-2012 | Princeton University Graduate Fellowship |

CONFERENCE & INVITED PRESENTATIONS

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| 2014 | “Effect of in-utero exposure to seasonal influenza on fetal and infant outcomes in the United States, 1989-2004.” Robert Wood Johnson Foundation Health and Society Program Meeting, Detroit, May 2014 |
| 2014 | Discussant for “Session 221: Population and Environment II.” Population Association of America 2014 Annual Conference, Boston, May 2014 |

- 2013 “The relationship between birth month and child health and survival in sub-Saharan Africa.” International Union for the Scientific Study of Population, Busan, South Korea, Aug. 2013
- 2013 “Effect of in-utero exposure to seasonal influenza on fetal and infant outcomes in the United States, 1989-2004.” Robert Wood Johnson Foundation Health and Society Program Meeting, San Diego, May 2013
- 2013 “The relationship between birth month and child health and survival in sub-Saharan Africa.” Population Association of America Annual Meeting, New Orleans, LA, Apr. 2013
- 2013 “The impact of birth seasonality on dynamics of acute immunizing infections in sub-Saharan Africa.” Population Association of America Annual Meeting, New Orleans, LA, Apr. 2013
- 2012 “Social and Ecological Drivers of Birth Seasonality in Sub-Saharan Africa.” Poster presentation at Population Association of America Annual Meeting, San Francisco, CA, May 2012
- 2011 “Social and Ecological Drivers of Birth Seasonality in Sub-Saharan Africa.” Union for African Population Studies, Ouagadougou, Burkina Faso, Dec. 2011
- 2011 “Birth month and Child Health and Survival in sub-Saharan Africa.” Union for African Population Studies, Ouagadougou, Burkina Faso, Dec. 2011
- 2011 “Birth Seasonality and Disease Dynamics in Sub-Saharan Africa.” DIMACS Center for Discrete Mathematics & Theoretical Computer Science, Elmina, Ghana, Aug. 2011
- 2011 “Birth Seasonality in sub-Saharan Africa.” Poster presentation at Population Association of America Annual Meeting, Washington, DC, Mar.-Apr. 2011
- 2010 “Conceptualizing and Measuring Urban Locations: Comparing a satellite view with the Demographic & Health Surveys.” Population Association of America, Dallas, TX, Apr. 2010
- 2010 “Analysis of Temporary Protected Status for Environmental Disasters: How much protection is provided and why do some countries receive TPS designation and others do not?” Symposium in Honor of Black History Month, Princeton University, Mar. 2010
- 2009 Discussant for Session 64: “Spatial Approaches to Understanding Inequality in Health and Poverty.” International Union for the Scientific Study of Population, Marrakesh, Morocco, Sep.-Oct. 2009

TEACHING EXPERIENCE

University of Minnesota

Fall 2014 Data Visualization: Telling Stories with Numbers
Fall 2014 Global & US Perspectives on Health & Mortality

Princeton University Assistant in Instruction

Fall 2011 Disease Ecology, Economics, and Public Policy (Professors Ramanan
Spring 2009 Laxminarayan and Bryan Grenfell)

Spring 2010 Epidemiology (Professor Anne Andermann)
Fall 2009

Volunteer Tutor/Instructor

2007 Assistant English teacher, Escuela Javier Alonso Sayles Vargas,
Ahome, Mexico

SERVICE & ACTIVITIES

2014-2015 Population Association of America 2015 Conference Program Committee:
Population, Development, and the Environment topic chair.

2012 Co-convenor of seminar series “Research at the Interface of Economics, Ecology,
and Health.” Princeton University

2011-2012 Residential Graduate Student, Butler College, Princeton University

2009-2010 Diversity Fellow, Office of Associate Dean of Academic Affairs and Diversity,
Princeton University

2010 Global Crisis Committee (formerly Haiti Earthquake Response Committee),
Princeton University

2008-2010 President of the Black Graduate Caucus, Princeton University

2007-2008 Black Graduate Caucus Representative to Graduate Student Council, Princeton
University

2008 PhD Representative to the Woodrow Wilson School Action Committee, Princeton
University

Invited Peer Reviewer

- Demography
- Proceedings of the Royal Society B: Biological Sciences
- Journal of Water and Health

Professional Memberships

American Sociological Association (ASA), Population Association of America (PAA),
International Union for the Scientific Study of Population (IUSSP), Population Environment
Research Network (PERN)