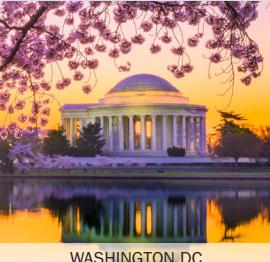


**Population Association of America**  
**2021 ANNUAL MEETING**  
**VIRTUAL PROGRAM**



**2021**  
**VIRTUAL**  
**MEETING**  
**MAY 5 - 8**

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## ACKNOWLEDGMENTS

The creation of this year's PAA Program and virtual annual meeting truly required a village of dedicated people who, together, worked on planning, re-thinking, and experimenting in a context we were all unfamiliar with. Here, we offer a sincere thank-you to the many people who assisted in this effort.

The 2021 PAA Program Committee of 72 population scholars issued a broad Call for Papers with 182 sessions covering 16 topics, representing the diversity and interdisciplinary character of population research as conducted by demographers, sociologists, economists, political scientists, geographers, historians, epidemiologists, statisticians, survey researchers, and other health and social scientists. The 182 Session Organizers reviewed close to 2,700 submissions and faced difficult choices in selecting a small sub-set of them for the eventual 240 paper sessions. We are grateful for the dedication of the Program Committee and the Session Organizers; their names are listed in the Program and on the PAA website. The outcome is a high-quality, exciting scientific program with contributions that demonstrate the breadth and vitality of our field.

The 2021 PAA Program also includes 22 invited sessions, including many organized by PAA committees. The invited sessions consider some of the most important population issues of our day, including sessions on the 2020 Census and others highlighting recent findings from consensus studies produced by the National Academies of Science, Engineering, and Medicine.

The 2021 Program also includes seven poster sessions organized by Marcy Carlson, with assistance from Annaliese Grant and Emma Romell, as well as input from the many Session Organizers who recommended papers for consideration for poster sessions. The growing popularity of "flash sessions" also resulted in 18 such sessions this year. We are pleased the PAA program is offering more diversity of session formats, and we believe this will provide some momentum toward more innovation in future meetings.

The PAA meeting has become thoroughly international, as it should – science transcends national boundaries. We of course are saddened that we cannot meet in-person this year. Nevertheless, we offer our heartfelt welcome to all PAA attendees, including those from all over the globe; thank you for participating in PAA this year! A statement of inclusion and welcome to all population researchers is posted on the PAA's website.

PAA is run by and for the membership. We know there is always room for improvement, and we will work with next year's program co-chairs, Sonalde Desai and Jennifer Van Hook, to continue to enhance the PAA annual meeting experience.

The PAA's small, but mighty, staff has ensured our meeting will be a success. Danielle Staudt, PAA's Executive Director, deserves many thanks for managing all the conference logistics. Bobbie Westmoreland, Program Manager at PAA, expertly managed the process of constructing the annual meeting program; her efforts and expertise were instrumental in getting the job done. We also thank Francesca Morton, Finance and Meeting Manager; Francesca has ensured that registration runs smoothly. PAA's Communications and Membership Manager Betsy Alafoginis provided invaluable marketing for the meeting and supervised PAA's new logo creation and recent website overhaul. Finally, we are grateful for the assistance we have received from many colleagues and staff at our home institutions who we have relied on for expertise and advice along the way.

Above all, credit for a successful meeting goes to the authors of papers and posters, session chairs, discussants, poster discussants, and poster judges. Our field grows and advances with the amazing research that is shared each year at our meeting.

We hope you find this very unique virtual meeting worthwhile and enriching. Beyond that, we cannot wait to see everyone in-person at PAA 2022 in Atlanta (April 6-9). Please mark your calendars!

Respectfully,

Robert A. Hummer and Marcy Carlson  
2021 Program Committee Co-Chairs

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# DEMOGRAPHY

*The journal of the Population Association of America*

# DEMOGRAPHY

Vol. 58 • No. 2 • April 2021

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Population Association  
of America

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# Invited Sessions

**WEDNESDAY, MAY 5**

## **17 Invited: New Dimensions of Marriage in Southeast Asia**

*CHAIR: Wei-Jun Yeung, National University of Singapore*

Topic 7. Family Demography

**9:15 AM-10:30 AM — Open Water**

---

### **17-1 Contemporary Marriages in Cambodia**

*Patrick Heuveline, University of California, Los Angeles*

### **17-2 Do Filipinos Still Say 'I do'? The Continuing Increase in Non-marriage and Cohabitation in the Philippines**

*Jeofrey Abolos, National University of Singapore*

### **17-3 Cross-National Families with Young Children in Singapore**

*Shuya Lu, National University of Singapore*

### **17-4 Remarriage in Thailand**

*Wiraporn Pothisiri, Chulalongkorn University*

### **17-5 Micro-level Correlates of Early Marriage in Asia**

*Fatemeh Torabi, University of Tehran*

## **18**

## **Invited: Population Data—A Management Tool to Achieve Sustainable Development in Africa: Opportunities and Challenges**

*CHAIR:*

Topic 2. Applied Demography

**9:15 AM-10:30 AM — Open Water**

---

### **18-1 Panelist**

*Alez Ezeb, Drexel University*

### **18-2 Panelist**

*Marlene Lee, Population Reference Bureau*

### **18-3 Panelist**

*William Muhwava, United Nations Economic Commission for Africa*

### **18-4 Panelist**

*Yazoume Ye, ICF International*

## **35 Invited: Assessing the Quality of the 2020 Census**

*CHAIR: Thomas Bryan, BryanGeoDemographics*

Topic 2. Applied Demography

**10:45 AM-12:00 PM — Open Water**

---

### **35-1 Representing the U.S. Census Bureau**

*Ron Jarmin, U.S. Census Bureau*

### **35-2 The History of Assessing Census Quality**

*Howard Hogan, U.S. Census Bureau (Retired)*

### **35-3 Interpretation and use of Census Quality Measures**

*Constance Citro, Committee on National Statistics*

### **35-4 Coverage of Children**

*William O'Hare, O'Hare Data and Demographic Services, LLC*

## **51 Invited: Inequalities in Health: Research from Canada and the United States**

*DISCUSSANT: Amelie Quesnel Vallee, McGill University*

**CHAIR: Sarah Brauner-Otto, McGill University**

Topic 10. Health and Health Behavior

**1:00 PM-2:15 PM — Open Water**

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**51-1 A Comparative Analysis of Socioeconomic Disparities in Health in Canada and the United States**

*Ann Zajacova, University of Western Ontario*

**51-2 Not Business as Usual: System Shock and the Well-Being of Canadian Workers During the COVID-19 Pandemic**

*Scott Schieman, University of Toronto*

**51-3 COVID-19 Inequalities in Canada: Patterns and Mechanisms**

*Arjumand Siddiqi, University of Toronto*

**51-4**

**Multiple Sources of Stress Exposure and Cardiovascular Disease Risk among Black Women: Ethnicity and Nativity Intersections**

*Christy Erving, Vanderbilt University*

**52**

**Invited: New Frontiers in Comparative Human and Animal Model Research on the Social Dimensions of Aging**

*DISCUSSANT: Jenny Tung, Duke University*

**CHAIR: Kathleen Mullan Harris, University of North Carolina at Chapel Hill**

Topic 1. Aging and the Life Course

**1:00 PM-2:15 PM — Open Water**

---

**52-1 Animal Aging in Nature and the Lab: Lessons for Humans**

*Shripad Tuljapurkar, Stanford University*

**52-2 Modeling Time-Varying Effects of Early Life Adversity on Survival: Results from an Animal Model**

*Susan Alberts, Duke University*

**52-3 A Tale of Two Disciplines: Primatology and Economics Researching Lifelong Human Health**

*Amanda Dettmer, Yale University*

**52-4 Ecological Causes of Early Life Adversity and its Consequences in Wild Mammals**

*Ben Dantzer, University of Michigan*

**70**

**Invited: Forced Migration Research: From Theory to Practice in Promoting Migrant Well-being, With a Focus on the Impact of the COVID-19 Pandemic**

**CHAIR: Holly Reed, CUNY Institute for Demographic Research**

Topic 12. Migration and Immigration

**2:30 PM-3:45 PM — Open Water**

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**70-1 Issues and Innovations in Population Data Collection and Measurement: Registration and Administrative Data**

*Sarah Staveteig Ford, U.S. Department of State*

**70-2 Issues and Innovations in Population Data Collection and Measurement: Survey Data**

*Gabriela Sanchez-Soto, Rice University*

**70-3 Issues in Research Design and Analysis of Migrant Integration: Displacement Under a Population Lens**

*Fernando Riosmena, University of Colorado Boulder*

**70-4**

**Issues in Research Design and Analysis of Migrant Integration: Resiliency of the Vietnamese Community After Katrina**

*Mark VanLandingham, Tulane University*

**70-5 Future Directions for Research and Practice**

*Katharine Donato, Georgetown University*

**70-6 Critical Next Steps During and After the Pandemic**

*Ellen Kraly, Colgate University*

## **88 Invited: Open-Source Demography**

*DISCUSSANT: Mathew Hauer, Florida State University*

*CHAIR: Collin McCarter, Trellance, Inc.*

Topic 2. Applied Demography

**4:00 PM-5:15 PM — Open Water**

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### **88-1 Open Demography Beyond The States: The Role of Institutions**

*Mario Marazzi, Puerto Rico Institute of Statistics (formerly)*

### **88-2 How to Effectively use U.S. Census Data as a Developer: CitySDK, Slack, API**

*Logan Powell, U.S. Census Bureau*

### **88-3 Open Sourcing Your Research: The Ultimate Methods Section**

*Hannah Recht, Kaiser Health News*

### **88-4 Spatial Demography with Open-Source Software**

*Kyle Walker, Texas Christian University*

**THURSDAY, MAY 6**

## **106 Invited: COVID-19 and Africa's Demography**

*CHAIR: Donatien Beguy, UN-Habitat*

Topic 4. COVID-19

**9:15 AM-10:30 AM — Open Water**

---

### **106-1 Panelist**

*Bernard Onyango, African Institute for Development Policy (AFIDEP)*

### **106-2 Panelist**

*Jean-Francois Kobiane, Institut Supérieur des Sciences de la Population*

### **106-3 Panelist**

*Stephane Helleringer, Johns Hopkins University*

## **124 Invited: Issues on Both Our Borders: Migration and Politics Between Mexico and the United States**

*DISCUSSANT: Andrew Seale, Migration Policy Institute*

*CHAIR: Patricia Vargas, Universidad de Guadalajara*

Topic 12. Migration and Immigration

**10:45 AM-12:00 PM — Open Water**

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### **124-1**

#### **Migratory Control, Mobility and Inclusion Processes of Population of Central American Origin in the Southern Border of Mexico**

*Martha Roja, El Colegio de la Frontera Sur*

### **124-2**

#### **A Safe Place To Land: The Changing Dynamics of Emigration Intentions in Central America and Mexico (2010–2018)**

*Jonathan Hiskey, Vanderbilt University*

### **124-3 Migration, Violence, and Organized Crime: the Relevance of Contextual, Individual, and Regional factors**

*Edith Yolanda Gutierrez Vazquez, Universidad de Guadalajara*

*Maria Estela Rivero-Fuente, Notre Dame University*

### **124-4 Central American Transit Migration Through Mexico: The Consolidation of Waiting Territories**

*Rosalba Jasso Vargas, Centro de Investigaciones Multidisciplinarias sobre Chiapas y la Frontera Sur UNAM*

## **Invited: Long-Term Population Projections: A Roundtable Discussion Among Producers and Expert Consumers**

*DISCUSSANT: Eliya Zulu, African Institute for Development Policy (AFIDEP)*

*DISCUSSANT: Sonalde Desai, University of Maryland*

*CHAIR: Daniel Goodkind, U.S. Census Bureau*

Topic 2. Applied Demography

**1:00 PM-2:15 PM — Open Water**

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### **141-1 Panelist**

*John Wilmoth, United Nations Population Division*

### **141-2 Panelist**

*Wolfgang Lutz, International Institute for Applied Systems Analysis*

### **141-3 Panelist**

*Christopher Murray, Institute for Health Metrics and Evaluation*

## **142 Invited: Teaching Demography**

*CHAIR: Lauren McClain, Western Kentucky University*

Topic

**1:00 PM-2:15 PM — Open Water**

---

### **142-1 How has Teaching Demography Evolved Over Time?**

*John Weeks, San Diego State University*

### **142-2 The Promises and Pitfalls of Demographic Categories and Categorization**

*Jack DeWaard, University of Minnesota, Twin Cities*

### **142-3 Using Population Data to Develop Empirically Grounded Arguments**

*Shannon Cavanagh, University of Texas at Austin*

### **142-4 Teaching Students how to Interpret Population Aging Data**

*Melanie Brasher, University of Rhode Island*

## **160 Invited: Redistricting and the 2020 Census**

*DISCUSSANT: Teresa Sullivan, University of Virginia*

*CHAIR: Mary Jo Hoeksema, Director, PAA Office of Government and Public Affairs*

Topic 2. Applied Demography

**2:30 PM-3:45 PM — Open Water**

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### **160-1 Overview of Census Bureau Redistricting Data Operations**

*Kathleen Styles, U.S. Census Bureau*

### **160-2 How States use Redistricting Data**

*Michael Li, New York University*

### **160-3**

### **Implications of Disclosure Avoidance System for Redistricting Data, and Need for Transparency and Public Participation**

*Michael McDonald, University of Florida*

### **160-4 Use of Citizenship Voting Age Population File for Redistricting Data**

*Jeffrey Wice, New York Law School*

## **178**

## **Invited: Trends in and Causes of Rising Working-Age Mortality Rates in the United States: Findings From the NASEM Consensus Study on Rising Working-Age Mortality Rates and Socioeconomic Disparities**

*DISCUSSANT: Kathleen Mullan Harris, University of North Carolina at Chapel Hill*

**CHAIR: Shannon Monnat, Syracuse University**

Topic 13. Mortality and Morbidity

**4:00 PM-5:15 PM — Open Water**

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**178-1 Trends and Differentials in Working-Age Mortality in the U.S., 1990-2017**

*Shannon Monnat, Syracuse University*

**178-2 The Role of Opioids, other Drugs, and Alcohol in Shaping Mortality Trends**

*Darrell Gaskin, Johns Hopkins University*

**178-3 Role of Suicides in Shaping Mortality Trends**

*Irma Elo, University of Pennsylvania*

**178-4 The Role of Cardiometabolic Diseases in Shaping Mortality Trends**

*Kathleen Mullan Harris, Add Health - Carolina Population Center*

**178-5 The Role of Public and Private Sector Policies in Shaping Mortality Trends**

*Steven Woolf, Virginia Commonwealth University*

**FRIDAY, MAY 7**

## **195 Invited: Funding for Population Research**

**CHAIR: Christine Bachrach, University of Maryland**

Topic 2. Applied Demography

**9:15 AM-10:30 AM — Open Water**

---

**195-1 Panelist**

*Joe Whitmeyer, National Science Foundation*

**195-2 Panelist**

*Melanie Hughes, National Science Foundation*

**195-3 Panelist**

*Rebecca Clark, Eunice Kennedy Shriver National Institute of Child Health and Human Development*

**195-4 Panelist**

*Nancy Jones, National Institute on Minority Health and Health Disparities*

**195-5 Panelist**

*John Phillips, National Institute on Aging*

## **212 Invited: Unequal City: Showcasing Research on Race/Ethnicity, Space, and Inequality in St. Louis**

**CHAIR: Ariela Schachter, Washington University in St. Louis**

Topic 6. Education, Work and Economic Inequality

**10:45 AM-12:00 PM — Open Water**

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**212-1 Long-Term Dynamics of Neighborhoods and Crime: The Role of Education Over 40 Years**

*Adam Boessen, University of Missouri-St. Louis*

**212-2 Immigrant Communities in St. Louis**

*Ness Sandoval, St. Louis University*

**212-3 Metropolitan Segregation, Race, and Criminalization in St. Louis**

*Odis Johnson, Johns Hopkins University*

**212-4 Housing Justice in St. Louis: The Importance of Inside/Outside Strategy**

*Molly Metzger, Washington University in St. Louis*

**212-5 Data Seams: Tracking Local COVID-19 Trends and Disparities**

*Christopher Prener, Saint Louis University*

## **213 Invited: What Has the U.S. Statistical System Learned From the COVID-19 Pandemic?**

**CHAIR: Katherine Wallman, Office of Management and Budget (retired)**

Topic 4. COVID-19

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**10:45 AM-12:00 PM — Open Water**

**213-1 Panelist**

*William Beach, Bureau of Labor Statistics*

**213-2 Panelist**

*Victoria Velkoff, U.S. Census Bureau*

**213-3 Panelist**

*Brian Moyer, National Center for Health Statistics*

**213-4 Panelist**

*James "Lynn" Woodworth, National Center for Health Statistics*

## **229 Invited: Measuring Structural Racism**

*DISCUSSANT: Lauren Brown, San Diego State University*

*CHAIR: Hedwig Lee, Washington University in St. Louis*

Topic 14. Race and Ethnicity

---

**1:00 PM-2:15 PM — Open Water**

**229-1 Structural Racism: Time to Pop the Bucky Ball**

*Gilbert Gee, University of California, Los Angeles*

**229-2 Conceptualizing and Measuring Cultural Racism**

*Courtney Cogburn, Columbia University*

**229-3 The Importance of Unpacking our Core Concepts in Race and Immigration Research**

*René Flores, University of Chicago*

**229-4 Quantifying and Mapping Structural Racism across Societal Domains**

*Tyson Brown, Duke University*

## **230 Invited: Challenges in Evaluation of Census 2020 Data Quality**

*CHAIR: Joseph Salvo, New York City Department of City Planning*

Topic 2. Applied Demography

---

**1:00 PM-2:15 PM — Open Water**

**230-1 Panelist**

*Elizabeth Garner, Colorado Department of Local Affairs*

**230-2 Panelist**

*John Thompson, University of Virginia*

**230-3 Panelist**

*John Czajka, Mathematica Policy Research, Inc*

**230-4 Panelist**

*Susan Strate, University of Massachusetts Amherst*

## **247**

### **Invited: Understanding the Well-being of LGBTGI+ Populations: Findings From a New National Academies of Science, Engineering, and Medicine Report**

*DISCUSSANT: Charlotte Patterson, University of Virginia*

*CHAIR: Debra Umberson, University of Texas at Austin*

Topic

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**2:30 PM-3:45 PM — Open Water**

**247-1 Panelist**

*Lee Badgett, University of Massachusetts Amherst*

**247-2 Panelist**

**Stephen Russell, University of Texas at Austin**

**247-3 Panelist**

*Sari Reisner, Harvard University*

**247-4 Panelist**

*Gary Gates, Retired*

**247-5 Panelist**

*Kellan Baker, Johns Hopkins University*

**247-6 Panelist**

*Jordyn White, The National Academies of Sciences, Engineering, and Medicine*

**SATURDAY, MAY 8**

**263  
Invited: Are Generational Categories Meaningful Distinctions for Workforce Management?**

*CHAIR: Arne Kalleberg, University of North Carolina at Chapel Hill*

Topic 6. Education, Work and Economic Inequality

**9:15 AM-10:30 AM — Open Water**

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**263-1 The Rising Attention to Generational Characteristics Within the Workforce**

*Nancy Tippins, The Nancy T. Tippins Group*

**263-2 Broad and Discrete Social and Economic Trends that are Affecting Work and Workers**

*Arne Kalleberg, University of North Carolina at Chapel Hill*

**263-3 The Limitations of Results from Such Research on Generational Characteristics in the Workforce**

*Mo Wang, University of Florida*

**263-4 Alternative Perspectives for Future Research**

*Margaret Beier, Rice University*

**263-5 Implications of the Report's Findings for Employers and Workforce Management**

*Chandra Childers, Institute for Women's Policy Research*

**264 Invited: Demography and Public Policy**

*DISCUSSANT: Linda Waite, University of Chicago*

*CHAIR: Anna Gassman-Pines, Duke University*

Topic

**9:15 AM-10:30 AM — Open Water**

---

**264-1**

**Fifty Countries or One Country? The Role of U.S. States as Institutional Contexts for Understanding Educational Disparities in Mortality**

*Mark Hayward, University of Texas at Austin*

**264-2 Living to Deep Old Age in the Latino Population**

*Jacqueline Angel, University of Texas at Austin*

**264-3 Gender, Families and Inequality During the COVID-19 Pandemic**

*Jessica Calarco, University of Indiana*

**264-4 Policy, Power and the Demography of Housing**

*Jamila Michener, Cornell University*

**280 Invited: The Demography of Race and Ethnicity in Latin America**

*DISCUSSANT: Landy Sanchez, El Colegio de Mexico*

*CHAIR: Leticia Marteleto, University of Texas at Austin*

Topic 14. Race and Ethnicity

**10:45 AM-12:00 PM — Open Water**

---

**280-1 Changes in Women's Education and Marriage Markets in Latin America**

Daniela Urbina, *Princeton University*

**280-2**

**Measuring Durable Inequalities With Contested Categories: Race and Ethnicity in Census and Surveys in Contemporary Latin America**

Graziella Moraes, *Graduate Institute of Geneva*

**280-3 Race and Pandemic in Latin America: Unresolved Inequalities of Afro-Descendants in Times of COVID-19**

John Sanchez, *Instituto de Altos Estudios Nacionales*

**280-4 Indigenous Population, Gender and Inequalities in Latin America**

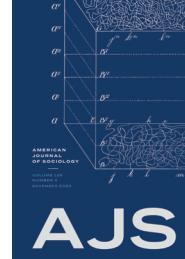
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# MEETING PROGRAM SUMMARY

**WEDNESDAY, MAY 5**

**9:00 AM — 9:10 AM**

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Welcome to PAA 2021 - President Robert Hummer and Vice President Marcy Carlson — ***Open Water***

**9:15 AM — 10:30 AM**

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- 1** Living Arrangements and Caregiving in Later Life — ***Open Water***
- 2** Neighborhoods, Children, and Youth — ***Open Water***
- 3** Data and Methods for Causal Inference in Demography — ***Open Water***
- 4** Advances in Measuring Poverty, Inequality, and Economic Well-being — ***Open Water***
- 5** Intergenerational Mobility, Home Environment, and Socioeconomic Conditions — ***Open Water***
- 6** Families and Economic Inequality — ***Open Water***
- 7** Race, Ethnicity, and Families — ***Open Water***
- 8** Couples and Men — ***Open Water***
- 9** Macro Influences on Fertility and Reproductive Health — ***Open Water***
- 10** Violence, Sexuality, and Reproductive Health — ***Open Water***
- 11** Discrimination and Health Disparities in the United States — ***Open Water***
- 12** Social Mobility and Health — ***Open Water***
- 13** Immigrant Children and Families — ***Open Water***
- 14** Temporary, Circular, and Return Migration — ***Open Water***
- 15** Population Health of High-Risk and Hard-to-Reach Populations — ***Open Water***
- 16** Culture and Population Dynamics — ***Open Water***
- 17** Invited: New Dimensions of Marriage in Southeast Asia — ***Open Water***
- 18** Invited: Population Data—A Management Tool to Achieve Sustainable Development in Africa: Opportunities and Challenges — ***Open Water***

**9:30 AM — 11:00 AM**

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- P1** P1 - Aging and the Life Course; and Mortality and Morbidity — ***Open Water Poster Gallery***

**10:45 AM — 12:00 PM**

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- 19** Aging in the COVID-19 Era — ***Open Water***
- 20** Socioeconomic and Geographic Disparities in Later Life — ***Open Water***

- 21** International Migration and Child Well-being — *Open Water*
- 22** Bayesian Demography II — *Open Water*
- 23** Childhood Conditions and Adult Achievement — *Open Water*
- 24** Neighborhood Inequality: Processes and Effects — *Open Water*
- 25** Policy and Labor Market Constraints on Work and Caregiving — *Open Water*
- 26** Predictors of Union Dissolution — *Open Water*
- 27** COVID-19 and Fertility — *Open Water*
- 28** Innovation and Challenges in Studying Contraceptive Use — *Open Water*
- 29** Criminal Justice, Violence, and Health — *Open Water*
- 30** Flash: Spatial and Geographic Disparities in Health — *Open Water*
- 31** Immigrant and Immigration Policy: Changes and Effects — *Open Water*
- 32** New Trends in International Migration — *Open Water*
- 33** Methodological Innovations in Mortality — *Open Water*
- 34** Critical Demography — *Open Water*
- 35** Invited: Assessing the Quality of the 2020 Census — *Open Water*

---

**1:00 PM — 2:15 PM**

- 36** Life Course Connections and Well-being — *Open Water*
- 37** Intergenerational Relationships and Health — *Open Water*
- 38** Social, Economic, and Demographic Consequences of COVID-19 — *Open Water*
- 39** Ethno-Racial Disparities in Education and the Labor Market — *Open Water*
- 40** New Insights on the Mechanisms of Housing Inequality — *Open Water*
- 41** Family Economic (Dis)Advantage and Child Outcomes — *Open Water*
- 42** Union Dissolution Consequences — *Open Water*
- 43** Delayed Fertility and Childlessness — *Open Water*
- 44** Determinants of Immigrant Fertility — *Open Water*
- 45** Reproductive Autonomy — *Open Water*
- 46** Flash: Health Deficits and Disparities in a Global Perspective — *Open Water*
- 47** Education and Health Outcomes Among Immigrant Youth — *Open Water*
- 48** New Data and Methods in Migration Research — *Open Water*
- 49** Maternal Morbidity and Mortality — *Open Water*
- 50** Flash: Race and Spatial Inequality — *Open Water*

- 51** Invited: Inequalities in Health: Research from Canada and the United States — ***Open Water***
- 52** Invited: New Frontiers in Comparative Human and Animal Model Research on the Social Dimensions of Aging — ***Open Water***

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**1:15 PM — 2:45 PM**

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- P2** P2 - Applied Demography; Migration and Immigration; and Spatial and Environmental Demography — ***Open Water Poster Gallery***

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**2:30 PM — 3:45 PM**

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- 53** Cross-National Comparisons of Aging — ***Open Water***
- 54** Health in Later Life: Patterns and Pathways — ***Open Water***
- 55** Racial and Ethnic Variation in the Determinants of Child Well-being — ***Open Water***
- 56** Applied Bayesian Demography — ***Open Water***
- 57** Families, Social Class, and Intergenerational Mobility — ***Open Water***
- 58** Poverty and Social Policy — ***Open Water***
- 59** Families and Public Policy — ***Open Water***
- 60** Flash: Families and Time Use — ***Open Water***
- 61** Understanding Contraceptive Behavior in Low- and Middle-Income Countries — ***Open Water***
- 62** Assessing Fertility Transitions and Variations for Programmatic Implications — ***Open Water***
- 63** Policy Responses to Low Fertility — ***Open Water***
- 64** Demographic Perspectives on Chronic Pain and Opioids — ***Open Water***
- 65** Smoking, Health, and Mortality — ***Open Water***
- 66** Using Place to Understand Race/Ethnicity and Racialization — ***Open Water***
- 67** Natural Disasters and Migration in the United States — ***Open Water***
- 68** Access and Quality of Care in Neonatal Health — ***Open Water***
- 69** Flash: Race and Economic Inequality — ***Open Water***
- 70** Invited: Forced Migration Research: From Theory to Practice in Promoting Migrant Well-being, With a Focus on the Impact of the COVID-19 Pandemic — ***Open Water***

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**4:00 PM — 5:15 PM**

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- 71** Biodemography of Aging and the Life Course — ***Open Water***
- 72** Racial Disparities in Aging: Patterns and Determinants — ***Open Water***
- 73** Period and Cohort Effects on Child/Adolescent Health and Adjustment — ***Open Water***
- 74** Flash: Consequences of COVID-19 — ***Open Water***
- 75** Education-Related Inequalities: K-12, College, and the World of Work — ***Open Water***

- 76** Poverty and Economic Security — *Open Water*
- 77** Family Change in Comparative Perspective — *Open Water*
- 78** New Methods in Family Demography — *Open Water*
- 79** Childbearing Postponement and Low Fertility — *Open Water*
- 80** Menstrual Health and Reproductive Behaviors — *Open Water*
- 81** Quality of Family Planning and Reproductive Health Programs — *Open Water*
- 82** Health Disparities in a Global Context — *Open Water*
- 83** Place and Health in Europe: Looking Across and Within Countries — *Open Water*
- 84** Origin and Contextual Influences on Migration-Climate Connections — *Open Water*
- 85** Global Perspectives on Aging — *Open Water*
- 86** Lifespan Inequalities Around the Globe — *Open Water*
- 87** Racism, Xenophobia, and Nativism — *Open Water*
- 88** Invited: Open-Source Demography — *Open Water*

## THURSDAY, MAY 6

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### 9:00 AM — 9:10 AM

Welcome to Day 2 - Robert Hummer, PAA President — *Open Water*

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### 9:15 AM — 10:30 AM

- 89** Environmental Influences on Aging — *Open Water*
- 90** Neighborhoods, Health, and Well-being in Later Life — *Open Water*
- 91** Social Stress and the Health of Children and Adolescents — *Open Water*
- 92** Debate and Innovation in Global Population and Health Methods and Metrics — *Open Water*
- 93** Family and Work: Work Schedules, Schedule Control, and Gender Inequality at Work and Home — *Open Water*
- 94** Wealth and Debt Disparities — *Open Water*
- 95** Intergenerational and Comparative Perspectives on Work and Family — *Open Water*
- 96** Access to Medication Abortion — *Open Water*
- 97** International Intervention to Improve Women's Sexual Health—Experimental Evidence — *Open Water*
- 98** Infectious Disease and Reproductive Health — *Open Water*
- 99** Biomarker Applications to Population Health Research — *Open Water*
- 100** The Demography of Race and Racism in the American Past — *Open Water*
- 101** Impact of Immigration Status on Migration Behavior — *Open Water*

- 102** Migration and Aging — *Open Water*
- 103** Social Determinants of Child Health — *Open Water*
- 104** Racism, White Supremacy, and Demography — *Open Water*
- 105** Spatial Demography and Censuses Around the Globe — *Open Water*
- 106** Invited: COVID-19 and Africa's Demography — *Open Water*

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### **9:30 AM — 11:00 AM**

- P3** P3 - Children, Youth, and Intergenerational Ties; and Education, Work, and Economic Inequality — *Open Water*
- Poster Gallery**

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### **10:45 AM — 12:00 PM**

- 107** Families and Health in Mid- and Later Life — *Open Water*
- 108** Education, Income, and Well-being in the Global Context — *Open Water*
- 109** Flash: Public Policy and Child Well-being — *Open Water*
- 110** Data: Beyond the Analysis — *Open Water*
- 111** Family and Work: Family Policy and Mothers' Employment — *Open Water*
- 112** The Global Pandemic and Subsequent Changes to Work and Family — *Open Water*
- 113** Family Mortality and Health — *Open Water*
- 114** Adolescent Contraceptive Use — *Open Water*
- 115** Family Planning Post FP2020: Insights and New Directions — *Open Water*
- 116** Gender and Sexuality in Low- and Middle-Income Countries — *Open Water*
- 117** Computational Approaches to Population Health — *Open Water*
- 118** Structural Racism and Health — *Open Water*
- 119** Migration-Climate Research: Let's Talk Methods — *Open Water*
- 120** Immigrant Incorporation — *Open Water*
- 121** Child and Infant Mortality Effects of Non-Health Policies — *Open Water*
- 122** Latinx/a/o Demography — *Open Water*
- 123** Segregation and Neighborhood Change — *Open Water*
- 124** Invited: Issues on Both Our Borders: Migration and Politics Between Mexico and the United States — *Open Water*

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### **1:00 PM — 2:15 PM**

- 125** Alternative Family Forms and Child Well-being — *Open Water*
- 126** Contact Patterns and Risk and Prevention of COVID-19 — *Open Water*
- 127** Innovations in Statistical and Formal Demography — *Open Water*

- 128** Global Perspectives on Gender and Education — *Open Water*
- 129** Socio-Spatial Inequality in Economic Well-being — *Open Water*
- 130** Family Structure and Child Well-being — *Open Water*
- 131** Flash: Union Formation — *Open Water*
- 132** The Impact of Household and Facility Factors on International Family Planning Programs — *Open Water*
- 133** Innovations in Measuring Sexual and Reproductive Health — *Open Water*
- 134** Gender- and Sexuality-Based Violence — *Open Water*
- 135** Flash: Gender, Sexuality, Work, and Family — *Open Water*
- 136** Life Course Approaches to Population Health — *Open Water*
- 137** Expanded Questions in Migration-Climate Research — *Open Water*
- 138** Health and Labor Market Impacts of (Im)Migration — *Open Water*
- 139** Gender, Sexuality, and Health — *Open Water*
- 140** The Demography of Crime and Punishment — *Open Water*
- 141** Invited: Long-Term Population Projections: A Roundtable Discussion Among Producers and Expert Consumers — *Open Water*
- 142** Invited: Teaching Demography — *Open Water*

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**1:15 PM — 2:45 PM**

- P4** P4 - COVID-19; Data and Methods; and Race and Ethnicity — *Open Water Poster Gallery*

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**2:30 PM — 3:45 PM**

- 143** Dyadic Understandings of Families and Health — *Open Water*
- 144** Estimates and Projections: Populations in Decline — *Open Water*
- 145** COVID-19 and Job Loss — *Open Water*
- 146** Formal Demography—Innovations in Theory and Methods — *Open Water*
- 147** Gender, Socialization, and Education — *Open Water*
- 148** Job Instability and Unemployment — *Open Water*
- 149** Romantic Relationships, Family Relationships, and Mental Health — *Open Water*
- 150** Methods to Improve Abortion Measurement — *Open Water*
- 151** Fertility and Intergenerational Relationships — *Open Water*
- 152** COVID-19: Racial and Ethnic Disparities — *Open Water*
- 153** Flash: Policies, Health, and Well-being — *Open Water*
- 154** Social and Economic Integration of Refugees — *Open Water*

- 155** Selectivity of Migration — *Open Water*
- 156** Health Systems and Child Health and Mortality — *Open Water*
- 157** Racial/Ethnic Inequalities in Health and Mortality — *Open Water*
- 158** The Collateral Consequences of Punishment — *Open Water*
- 159** Flash: Innovative Methods in Spatial and Environmental Demography — *Open Water*
- 160** Invited: Redistricting and the 2020 Census — *Open Water*

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**3:15 PM — 4:45 PM**

- P5** P5 - Family Demography; and Historical Demography — *Open Water Poster Gallery*

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**4:00 PM — 5:15 PM**

- 161** Gender Disparities in Later Life — *Open Water*
- 162** Community-Based Demography — *Open Water*
- 163** Demographic and Forecasting Models During Pandemics — *Open Water*
- 164** Data in a Crisis: Collecting New and Leveraging Old — *Open Water*
- 165** Family and Work: Gender Inequality at Work — *Open Water*
- 166** Unemployment, Job Insecurity, and Economic Insecurity — *Open Water*
- 167** Family Complexity — *Open Water*
- 168** Impact of Abortion Laws and Policies — *Open Water*
- 169** Fertility Transition in Low- and Middle-Income Countries — *Open Water*
- 170** Sexual and Gender Minorities — *Open Water*
- 171** Biosocial Approaches to Population Health — *Open Water*
- 172** Social Policy and Population Health — *Open Water*
- 173** Contributions of Migrants to Sending and Receiving Societies — *Open Water*
- 174** Drivers of Internal Migration — *Open Water*
- 175** Excess Mortality Due to COVID-19 in International Comparison — *Open Water*
- 176** Policing, Detention, and Criminal Justice — *Open Water*
- 177** Innovative Approaches in Residential Segregation and Mobility — *Open Water*
- 178** Invited: Trends in and Causes of Rising Working-Age Mortality Rates in the United States: Findings From the NASEM Consensus Study on Rising Working-Age Mortality Rates and Socioeconomic Disparities — *Open Water*

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**7:00 PM — 9:30 PM**

Memorial Service - Part I — *Open Water*

**FRIDAY, MAY 7**

## **9:00 AM — 9:10 AM**

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Welcome to Day 3 - Marcy Carlson, PAA Vice President — ***Open Water***

## **9:15 AM — 10:30 AM**

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- 179** Genetics and Aging — ***Open Water***
- 180** Impact of Caregiving on Families and Youth — ***Open Water***
- 181** Residential Context and COVID-19 — ***Open Water***
- 182** Mathematical Demography — ***Open Water***
- 183** Historical Studies of Inequality — ***Open Water***
- 184** Flash: Advances in Education and Labor Force Research — ***Open Water***
- 185** Cohabitation and Nonmarital Relationships — ***Open Water***
- 186** Pregnancy During Adolescence — ***Open Water***
- 187** Fertility Intentions: Unique Risk Factors and Predictive Value — ***Open Water***
- 188** Health and Well-being in Sexual and Gender Minority (SGM) Populations — ***Open Water***
- 189** Historical Origins of Health Disparities — ***Open Water***
- 190** Barriers, Facilitators, and Comparative Perspectives on Immigrant Integration — ***Open Water***
- 191** Internal Migration — ***Open Water***
- 192** Environmental and Climate Influences on Morbidity and Mortality — ***Open Water***
- 193** Discrimination and Racial/Ethnic Health Disparities (Including Bio-Social Pathways) — ***Open Water***
- 194** Fertility Responses to Environmental Shocks — ***Open Water***
- 195** Invited: Funding for Population Research — ***Open Water***

## **9:30 AM — 11:00 AM**

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- P6** P6 - Fertility, Family Planning, Sexual Behavior, and Reproductive Health; and Religion and Culture — ***Open Water Poster Gallery***

## **10:45 AM — 12:00 PM**

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- 196** Children and Youth With Disabilities and Their Families — ***Open Water***
- 197** COVID-19 and School Closures — ***Open Water***
- 198** New Methods for Modeling Social Stratification and Social Change — ***Open Water***
- 199** Educational Inequality in Developing Countries — ***Open Water***
- 200** Advances in Poverty and Inequality Research — ***Open Water***
- 201** Gender and Families — ***Open Water***
- 202** Flash: Marital and Family Formation and Relationship Outcomes — ***Open Water***

- 203** Sex, Childbearing, and Qualitative Perspectives — *Open Water*
- 204** The Structural Determinants of Racial/Ethnic Disparities in Reproductive Health — *Open Water*
- 205** Sexual Behaviors and Health — *Open Water*
- 206** Intersectionality and Population Health — *Open Water*
- 207** Flash: New Research in Historical Demography — *Open Water*
- 208** Consequences of Internal Migration — *Open Water*
- 209** Adult Mortality in Low- and Middle-Income Countries — *Open Water*
- 210** Socioeconomic Status, Families, and Health — *Open Water*
- 211** Environment and Social Inequality — *Open Water*
- 212** Invited: Unequal City: Showcasing Research on Race/Ethnicity, Space, and Inequality in St. Louis — *Open Water*
- 213** Invited: What Has the U.S. Statistical System Learned From the COVID-19 Pandemic? — *Open Water*

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**1:00 PM — 2:15 PM**

- 214** Inequality in the Transition to Adulthood — *Open Water*
- 215** COVID-19 and Mental Health — *Open Water*
- 216** Remote Sensing, Digital Trace, and Other Alternative Data Sources — *Open Water*
- 217** Factors Associated With Educational Outcomes in Developing Countries — *Open Water*
- 218** Aging and Caregiving — *Open Water*
- 219** Parenthood and The Gender Division of Labor — *Open Water*
- 220** Adolescent Reproductive Health in the United States — *Open Water*
- 221** Timing and Spacing — *Open Water*
- 222** Sexual Minority (LGBQAI+) Populations — *Open Water*
- 223** Social Context, Immigration, and Health — *Open Water*
- 224** Forced Migration and Gender — *Open Water*
- 225** Flash: Effects of Pro- and Anti-Immigrant Climates — *Open Water*
- 226** Early-Life Exposures and Health Over the Life Course — *Open Water*
- 227** Socioeconomic Status and Mortality in Europe — *Open Water*
- 228** Environment, Migration, and Marriage — *Open Water*
- 229** Invited: Measuring Structural Racism — *Open Water*
- 230** Invited: Challenges in Evaluation of Census 2020 Data Quality — *Open Water*

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**1:30 PM — 3:00 PM**

**P7** P7 - Gender and Sexuality; and Health and Health Behavior — *Open Water Poster Gallery*

**2:30 PM — 3:45 PM**

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- 231** Social and Behavioral Determinants of Cognitive Aging Across the Life Course — *Open Water*
- 232** The Returns to Education in Young Adulthood — *Open Water*
- 233** COVID-19: Risk factors and mortality — *Open Water*
- 234** Simulation and Machine Learning in Demography — *Open Water*
- 235** Immigrant Educational and Economic Outcomes — *Open Water*
- 236** Economic Consequences of Caregiving — *Open Water*
- 237** Immigrant, Refugee, and Transnational Families — *Open Water*
- 238** Contraceptive Behaviors in Low- and Middle-Income Countries — *Open Water*
- 239** Fertility Changes in Less-Developed Countries — *Open Water*
- 240** Sex Preference — *Open Water*
- 241** Gender, Sexuality, and Health — *Open Water*
- 242** Immigration, Health, and Social Context — *Open Water*
- 243** Social and Spatial Disparities in Past Epidemics — *Open Water*
- 244** Immigrant Health, Education, and Well-being — *Open Water*
- 245** Socioeconomic Inequalities in Health and Mortality — *Open Water*
- 246** Environment and Population Behaviors — *Open Water*
- 247** Invited: Understanding the Well-being of LGBTGI+ Populations: Findings From a New National Academies of Science, Engineering, and Medicine Report — *Open Water*

**4:00 PM — 5:30 PM**

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Presidential Address and Awards Ceremony — *Open Water*

**7:00 PM — 9:30 PM**

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Memorial Service - Part 2 — *Open Water*

**SATURDAY, MAY 8**

**8:15 AM — 8:45 AM**

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Membership Meeting — *Open Water*

**9:00 AM — 9:10 AM**

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Welcome to Day 4 - Sonalde Desai & Jennifer Van Hook, PAA 2022 Co-Chairs — *Open Water*

**9:15 AM — 10:30 AM**

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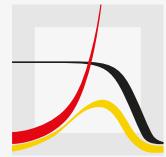
- 248** Employment Histories, Family, and Health — *Open Water*
- 249** The Timing and Sequencing of Events in the Transition to Adulthood — *Open Water*
- 250** International Comparisons and the COVID-19 Pandemic — *Open Water*
- 251** Flash: Advances in Visualization of Demographic Data — *Open Water*
- 252** Intergenerational Transmission of Poverty and Human Capital — *Open Water*
- 253** Cultural and Structural Forces Shaping Family Life — *Open Water*
- 254** Kinship Beyond the Household — *Open Water*
- 255** Contraceptive Use Dynamics — *Open Water*
- 256** Outcomes of Pregnancy Intentions — *Open Water*
- 257** Mental Health Over the Life Course in India and China — *Open Water*
- 258** Leveraging New Digital Data Sources to Address the COVID-19 Pandemic — *Open Water*
- 259** Historical Studies of Epidemics and Pandemics — *Open Water*
- 260** Immigration Enforcement in the Age of Trump — *Open Water*
- 261** Immigration, Race, and Ethnicity — *Open Water*
- 262** Climate Change and Health — *Open Water*
- 263** Invited: Are Generational Categories Meaningful Distinctions for Workforce Management? — *Open Water*
- 264** Invited: Demography and Public Policy — *Open Water*

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## **10:45 AM — 12:00 PM**

- 265** Life Course Determinants of Cognitive Aging in Asia and South America — *Open Water*
- 266** Intergenerational Relationships Across the Life Course — *Open Water*
- 267** International Comparisons and the COVID-19 Pandemic: Case Studies — *Open Water*
- 268** Race, Wealth, and Inequality — *Open Water*
- 269** Intergenerational Mobility and the Role of Education — *Open Water*
- 270** Fathers and Families — *Open Water*
- 271** Parenting Resources and Investments — *Open Water*
- 272** Traditional/Fertility Awareness-Based Methods — *Open Water*
- 273** Immigration and Fertility — *Open Water*
- 274** Influences on Gender-Based Violence in Low- and Middle-Income Countries — *Open Water*
- 275** Health Effects of Despair, Isolation, and Stress — *Open Water*
- 276** Confronting our Eugenic Past: Critical Histories of Demography and the Population Association of America — *Open Water*
- 277** Unauthorized/Irregular Migration and Legalization/Regularization — *Open Water*

- 278** Flash: Social Networks, Social Support, and Health — *Open Water*
- 279** Flash: Religion and Demography — *Open Water*
- 280** Invited: The Demography of Race and Ethnicity in Latin America — *Open Water*



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# MEETING WEDNESDAY PROGRAM

**WEDNESDAY, MAY 5**

## **1 Living Arrangements and Caregiving in Later Life**

*CHAIR: James M Raymo, Princeton University*

*DISCUSSANT: Kim Korinek, University of Utah*

**9:15 AM-10:30 AM — Open Water**

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- 1-1 **Aging and Care: Parent-Adult Child Geographic Proximity and Implications for Family Care**  
*Elizabeth Peters\*, Urban Institute; Stipica Mudražija, Urban Institute*

- 1-2 **Patterns of Parent/Adult-Daughter Coresidence in China Over Time, 1998–2014**  
*Melanie Brasher\*, University of Rhode Island; Danan Gu, United Nations*

- 1-3 **Living Arrangements and Gendered Work Prospect Among Chinese Grandparents**  
*Jing Ye\*, University of Maryland; Feinian Chen, University of Maryland*

- 1-4 **The Situation and Well-being of Custodial Grandparents in Myanmar: Impacts of Cross-Border and Internal Migration**  
*Bussarawan Teerawichitchainan\*, National University of Singapore; Timothy Qing Ying Low, National University of Singapore*

## **2 Neighborhoods, Children, and Youth**

*CHAIR: Yana Kucheva, City College of New York*

*DISCUSSANT: Kristin Perkins, Georgetown University*

**9:15 AM-10:30 AM — Open Water**

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- 2-1 **Race, Poverty, and Children's Exposure to Neighborhood Incarceration**  
*Alexander Roehrkasse\*, Duke University*

- 2-2 **Exploring the Role of Neighborhood Disadvantage and Segregation on Latino Youth Post-Secondary Educational Expectations**  
*Kahli Romano\*; Patrice Sparks, University of Texas at San Antonio*

- 2-3 **Trajectories of Neighborhood Attainment From Adolescence to Mid-Adulthood**  
*Rebecca Bielamowicz\*, University of North Carolina at Chapel Hill*

- 2-4 **New Destinations and Out-of-School Suspension of Mexican-Origin Students**  
*Matthew Snidal\*, University of Texas at Austin; Elizabeth Ackert, University of California, Santa Barbara; Robert Crosnoe, University of Texas at Austin*

## **3 Data and Methods for Causal Inference in Demography**

*CHAIR: Maarten Bijlsma, Max Planck Institute for Demographic Research*

*DISCUSSANT: Laura Balzer, University of Massachusetts, Amherst*

*DISCUSSANT: Ian Lundberg, Princeton University*

**9:15 AM-10:30 AM — Open Water**

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- 3-1 **The Native American Tribal Disenrollment Epidemic: Combining IVs With Machine Learning**  
*Anna Malinovskaya\**

- 3-2 **Multiverse Analysis: Advancements for Functional Form Robustness**  
*Cristobal Young\*; Sheridan Stewart, Stanford*

- 3-3 **Causal Inference in Population Trends: Searching for Demographic Anomalies in Big Data**  
*Mathew Hauer\*, Florida State University; Stephanie Bohon, University of Tennessee*

- 3-4 **Deep Learning of Potential Outcomes**  
*Bernard Koch\*, UCLA; Tim Sainburg, University of California, San Diego; Pablo Geraldo Bastias, University of California, Los Angeles; Song Jiang, University of California, Los Angeles; Jacob Foster, University of California, Los Angeles; Yizhou Sun, University of California, Los Angeles*

## **4 Advances in Measuring Poverty, Inequality, and Economic Well-being**

**CHAIR:** Christopher Wimer, Columbia University  
**DISCUSSANT:** Leafia Ye, University of Wisconsin–Madison  
**DISCUSSANT:** Liana Fox, US Census Bureau

**9:15 AM-10:30 AM — Open Water**

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- 4-1 **How Public and Private Transfers Have Shaped Levels and Trends of Economic Inequality in the United States since 1980**  
Gretchen Donehower\*, University of California, Berkeley; Ronald Lee, University of California, Berkeley; Andrew Mason, East-West Center; Michael Abrigo, Philippine Institute for Development Studies
- 4-2 **The Poverty Balancing Equation: Expressing Poverty of Place as a Population Process**  
J. Tom Mueller\*, Utah State University
- 4-3 **Age-Specific Income Trends in Europe: The Role of Employment, Wages, and Social Transfers**  
Sonja Spitzer\*, University of Vienna; Bernhard Hammer, Austrian Academy of Sciences; Alexia Prskawetz, Austrian Academy of Sciences
- 4-4 **Intersectional Earnings Gaps Advantage**  
Christian Sprague\*, Peter Rich, Cornell University

## **5 Intergenerational Mobility, Home Environment, and Socioeconomic Conditions**

**CHAIR:** Marcia Carlson, University of Wisconsin–Madison  
**DISCUSSANT:** Hope Harvey, University of Kentucky  
**DISCUSSANT:** Ravaris Moore, University of California -Los Angeles

**9:15 AM-10:30 AM — Open Water**

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- 5-1 **I Got It From My Mama: Intergenerational Transmission of Personality Traits**  
Marwa AlFakhri\*, Duke University; Scott Abrahams
- 5-2 **How Grades Matter Differently for Students' College Attendance by Socioeconomic Background**  
Kailey White\*, University of Chicago - Urban Labs
- 5-3 **Achievement Gaps Before School in Singapore: Family Socioeconomic Status, Parenting, and Young Children's Delay of Gratification**  
Wei-Jun Yeung, National University of Singapore; Xuejiao Chen\*, National University of Singapore
- 5-4 **Effect of Female Employment on Child Educational Outcomes: Evidence From an Employment Guarantee Program**  
Mriga Bansal\*

## **6 Families and Economic Inequality**

**CHAIR:** Regina Baker, University of Pennsylvania  
**DISCUSSANT:** Janeria Easley, Emory University

**9:15 AM-10:30 AM — Open Water**

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- 6-1 **Assets, Debts, and Unintended Fertility**  
Jessica Su\*, University of North Carolina at Chapel Hill; Fenaba Addo, University of North Carolina at Chapel Hill
- 6-2 **Economic Dependency and Marital Dissolution in Immigrant Families**  
Inbar Weiss\*, University of Texas at Austin
- 6-3 **Diversity in Family Life Course Patterns and Intra-Cohort Personal Wealth Disparities in Late Working Age**  
Nicole Kapelle\*, Humboldt University of Berlin; Sergi Vidal, Centre for Demographic Studies
- 6-4 **Material Hardship and the Living Arrangements of Older Americans**  
Colleen Heflin, Syracuse University; Hannah Patnaik\*, Syracuse University

## **7 Race, Ethnicity, and Families**

**CHAIR:** Deadric Williams, The University of Tennessee-Knoxville  
**DISCUSSANT:** Jenifer Bratter, Rice University

**9:15 AM-10:30 AM — Open Water**

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- 7-1 **Who Lives Close to Their Kin? Forty Years of Change in the United States**

*Amy Spring\*, Georgia State University; Elizabeth Ackert, University of California, Santa Barbara; Sarah Roche, Georgia State University; Dionne Parris, Georgia State University; Kyle Crowder, University of Washington; Nicole Kravitz-Wirtz, University of California, Davis*

- 7-2 **Racialization and Variations in Residential Fathers' Time With Children**  
*Kei Nomaguchi\*, Bowling Green State University; Melissa Milkie, University of Toronto; Amira Allen, Bowling Green State University; Kristen Gustafson, Bowling Green State University*
- 7-3 **Racial/Ethnic Differences in Care Networks of Older Adults: Structural Constraint or Cultural Pattern?**  
*Zhiyong Lin\*, University of Texas at Austin*
- 7-4 **Patterns of Household Extension and Instability: Evidence of Family Institutionalization?**  
*Kelly Raley\*, University of Texas at Austin; Carolina Aragão, University of Texas at Austin*

## **8 Couples and Men**

*CHAIR: Neetu John, Columbia University Mailman School of Public Health*

*DISCUSSANT: Stan Becker, Johns Hopkins University*

**9:15 AM-10:30 AM — Open Water**

- 8-1 **Her, His, and Their Fertility Desires and Contraceptive Behaviors: A Focus on Young Couples in Six Countries**  
*Ilene Speizer\*, University of North Carolina at Chapel Hill; Lisa Calhoun, Carolina Population Center*
- 8-2 **Applying a Gender-Informed Perspective to Male Engagement in Clinic-Based Family Planning Counseling**  
*Jasmine Uysal\*, Nicole Carter, UCSD; Sabrina Boyce, UCSD; Esther Muketo, FHOK; Wilson Liambila, Population Council; Chi-Chi Undie, Population Council; Seri Wendoh, IPPF; Jay Silverman, University of California, San Diego*
- 8-3 **Spouses' Perception of Women's Empowerment, Attitudes Toward Intimate Partner Violence, and Spousal Concordance on Fertility Intentions**  
*BHAVITA KUMARI\*, Tulane University; Mai Do, Tulane University School of Public Health*
- 8-4 **The Impact of Schooling Expansion on Men's Fertility and Attitudes in Sub-Saharan Africa**  
*Monica Grant\*, University of Wisconsin-Madison*

## **9 Macro Influences on Fertility and Reproductive Health**

*CHAIR: Marcos Rangel, Duke University*

*DISCUSSANT: Tom Vogl, University of Texas at Austin*

**9:15 AM-10:30 AM — Open Water**

- 9-1 **Is Fertility Behavior in Africa Different?**  
*Claus Portner\*, Seattle University*
- 9-2 **Changes in Contraceptive Uses in Time of "Pill Scare": A Comparison Between Belgium, France, and Switzerland**  
*Mireille Le Guen\*, UCLouvain*
- 9-3 **The Fracking Boom of the Upper Great Plains, Labor Structure, and Fertility**  
*Andrew Owen\*, Northwestern University*
- 9-4 **Double Exposure to Novel Infectious Diseases: ZIKV, COVID-19, and the Context of Fertility**  
*Leticia Marteleto\*, University of Texas at Austin; Molly Dondero, American University; Andrew Koepf, University of Texas at Austin*

## **10 Violence, Sexuality, and Reproductive Health**

*CHAIR: Christina Diaz, University of Arizona*

*DISCUSSANT: Dana Johnson,*

**9:15 AM-10:30 AM — Open Water**

- 10-1 **Prevalence and Risk Factors for Intimate Partner Violence and the Impact of COVID-19 Among Newly Married Women in Nawalparasi District of Nepal: A Longitudinal Study**  
*Mahesh Puri\*, Center for Research on Environment Health and Population Activities; Dev Maharjan, CREHPA; Minakshi Dahal, CREHPA; Sarah Raifman, UCSF; Nadia Diamond-Smith, University of California, San Francisco*
- 10-2 **The Relationship Between Adverse Childhood Experiences and Contraceptive Behaviors Among Male and Female Youth in El Salvador and Honduras**

**Sarah Huber-Krum\***, Centers for Disease Control and Prevention; **Stephanie Miedema**, Centers for Disease Control and Prevention; **Joann Wu Shortt**, Centers for Disease Control and Prevention; **Andrés Villaveces**, Centers for Disease Control and Prevention; **Howard Kress**, Centers for Disease Control and Prevention

- 10-3 Adverse Pregnancy Outcomes Related to Organized Violence: Micro-Level Evidence From Colombia**  
Signe Svalfors\*, Stockholm University; Gudrun Østby, Peace Research Institute Oslo (PRIO); Sunnee Billingsley, Stockholm University

- 10-4 Genocide and the Risk of HIV in Rwanda: Assessing Differences Across Birth Cohorts**  
Paola Echave\*, The Ohio State University; Kammi Schmeer, The Ohio State University; Hollie Brehm, The Ohio State University; Laura Frizzell, The Ohio State University

## **11 Discrimination and Health Disparities in the United States**

**CHAIR:** Cynthia Colen, The Ohio State University

**DISCUSSANT:** Tiffany Green, University of Wisconsin-Madison

**DISCUSSANT:** Margaret Hicken, University of Michigan

**9:15 AM-10:30 AM — Open Water**

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- 11-1 Structural Racism and Health Stratification in the United States: Connecting Theory to Measurement**  
Tyson Brown\*, Duke University; Patricia Homan, Florida State University

- 11-2 A Network Approach to Discrimination and Affect Measures in a Predominately Minority Sample Attending a Predominantly White Institution (PWI)**  
Faith Deckard\*, University of Texas at Austin; Andrew Messamore, University of Texas at Austin; Bridget Goosby, University of Texas at Austin; Jacob Cheadle, University of Texas at Austin

- 11-3 The Stigma of Fatness at Work: Occupational Characteristics and Wage Penalties of Obesity by Gender and Race**  
Vida Maralani\*, Cornell University; Camille Portier

- 11-4 Emergency Department Visits for Depression Following Police Killings of Unarmed African Americans**  
Abhery Das\*, University of California, Irvine; Parvati Singh, University of California, Irvine; Anju Kulkarni, University of California, Irvine; Tim-Allen Bruckner, University of California, Irvine

## **12 Social Mobility and Health**

**CHAIR:** Lauren Gaydosh, Vanderbilt University

**DISCUSSANT:** Linnea Evans,

**9:15 AM-10:30 AM — Open Water**

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- 12-1 Early Exposure to County Income Mobility and Adult Individual Health in the United States**  
Sebastian Daza\*, University of Wisconsin Madison; Alberto Palloni, UW-Madison

- 12-2 Student Loans and Self-reported Physical, Dental, and Mental Health and Healthcare Use During and After College**  
Arielle Kuperberg\*, University of North Carolina at Greensboro; Kenneshia Williams, University of North Carolina at Greensboro; Joan Maya Mazelis, Rutgers University - Camden

- 12-3 Residential Mobility and Preterm Birth Among Non-Hispanic Blacks in California**  
Tim-Allen Bruckner\*, University of California, Irvine; Samantha Gailey, University of California, Irvine; Collette Ncube, Northeastern University

- 12-4 Childhood Upward Mobility Context and Later-Life Health**  
Emma Zang, Yale University; Meera Choi\*

## **13 Immigrant Children and Families**

**DISCUSSANT:** Emily Ruskin, UnidosUS

**9:15 AM-10:30 AM — Open Water**

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- 13-1 Gender, Family Separation, and Emotional Well-being Among Recent Mexican Migrants**  
Erika Arenas\*, University of California-Santa Barbara; Jenjira Yahirun, Bowling Green State University; GRACIELA TERUEL; Luis Rubalcava, CAMBS

- 13-2 Immigrants' School Choice Disadvantage: Evidence From Los Angeles County**  
Jared Schachner\*, Harvard University

- 13-3 **The Impact of State Earned Income Tax Credit (EITC) Policy and Practices on EITC Participation Among Hispanic Families With Children**

*Yiyu Chen\*, Child Trends; Dana Thomson, Child Trends; Lisa Gennetian, Duke University*

- 13-4 **Benefits of Citizenship? Effects of Parental Naturalization on Children of Immigrants**

*Tate Kihara\*, Brown University*

## **14 Temporary, Circular, and Return Migration**

*CHAIR: Claudia Masferrer, Centro de Estudios Demográficos, Urbanos y Ambientales, El Colegio de México*

*DISCUSSANT: Holly Reed, CUNY Institute for Demographic Research*

*DISCUSSANT: Nicole Denier, University of Alberta*

**9:15 AM-10:30 AM — Open Water**

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- 14-1 **How Temporary Worker Programs Shape Migration Policies and Patterns in the United States**

*David Cook-Martin\*, University of Colorado Boulder*

- 14-2 **Migration and Inequality: Examining the Impacts of Out- and Return Migration Through an Agent-Based Model**

*Yunlin Li\*; Barbara Entwistle, University of North Carolina at Chapel Hill; Brian Frizzelle, University of North Carolina at Chapel Hill*

- 14-3 **Legal Status in Europe and Economic Reintegration in Senegal: Is There a Long-Term Impact?**

*Cris Beauchemin, INED; Ognjen Obucina, Institut national d'études démographiques; Adrien Vandenbunder\*, Institut National d'Études Démographiques (INED); Audrey Lenoël, Institut des Migrations*

- 14-4 **The Effects of Return Migration on Job Search Methods: Evidence From Colombia**

*Claire Le Barbenchon\*, Duke University*

## **15 Population Health of High-Risk and Hard-to-Reach Populations**

*CHAIR: Peter Fallesen, Rockwool Foundation*

*DISCUSSANT: Lars Andersen, Rockwool Foundation Research Unit*

**9:15 AM-10:30 AM — Open Water**

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- 15-1 **Predictors of Inaccurate Reporting of Down Syndrome on the Death Certificate**

*Scott Landes\*, Syracuse University*

- 15-2 **Does Food Insecurity Drive Gender-Based Partner Violence? A Case Study of Tanzania**

*Jacqueline Banks\*, University of Minnesota-Twin Cities; Kathryn Grace, University of Minnesota, Twin Cities*

- 15-3 **Life Expectancy of Roma and Travellers in Europe**

*Marc Luy\*, Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/OEAW, WU)*

- 15-4 **Excess Mortality Among People Experiencing Homelessness During the COVID-19 Pandemic**

*Matt Fowle\*, University of Washington*

## **16 Culture and Population Dynamics**

*CHAIR: Michelle Poulin, World Bank*

*DISCUSSANT: Christine Bachrach, University of Maryland*

**9:15 AM-10:30 AM — Open Water**

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- 16-1 **Modernization Before Industrialization: Cultural Roots of the Demographic Transition in France**

*Guillaume Blanc\*, Brown University*

- 16-2 **Emotion Cultures and Variation in Fertility**

*Natalie Nitsche\*, Max Planck Institute for Demographic Research*

- 16-3 **Migration as a Driver of Cultural Change: Evidence of Culinary Integration From Facebook Data**

*Carolina Vieira\*, Max Planck Institute for Demographic Research; Sophie Lohmann, Max Planck Institute for Demographic Research; Emilio Zagheni, Max Planck Institute for Demographic Research*

- 16-4 **Low Birth Weight and the Religious Environment: Exploring America's Complex Landscape of Prenatal Health**

*Joseph Clark\*, University of Wisconsin-Madison*

## **17 Invited: New Dimensions of Marriage in Southeast Asia**

*CHAIR: Wei-Jun Yeung, National University of Singapore*

**9:15 AM-10:30 AM — Open Water**

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- 17-1 **Contemporary Marriages in Cambodia**  
Patrick Heuvline\*, *University of California, Los Angeles*

- 17-2 **Do Filipinos Still Say 'I do'? The Continuing Increase in Non-marriage and Cohabitation in the Philippines**  
Jeofrey Abolos\*, *National University of Singapore*

- 17-3 **Cross-National Families with Young Children in Singapore**  
Shuya Lu\*, *National University of Singapore*

- 17-4 **Remarriage in Thailand**  
Wiraporn Pothisiri\*, *Chulalongkorn University*

- 17-5 **Micro-level Correlates of Early Marriage in Asia**  
Fatemeh Torabi\*, *University of Tehran*

## **18 Invited: Population Data—A Management Tool to Achieve Sustainable Development in Africa: Opportunities and Challenges**

**9:15 AM-10:30 AM — Open Water**

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- 18-1 **Panelist**  
Alez Ezech\*, *Drexel University*

- 18-2 **Panelist**  
Marlene Lee\*, *Population Reference Bureau*

- 18-3 **Panelist**  
William Muhwava\*, *United Nations Economic Commission for Africa*

- 18-4 **Panelist**  
Yazoume Ye\*, *ICF International*

## **P1 P1 - Aging and the Life Course; and Mortality and Morbidity**

**9:30 AM-11:00 AM — Open Water Poster Gallery**

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- P1 -1 **Health, Wealth, and Voting Trajectories: Results From the Wisconsin Longitudinal Study**  
Michal Engelman\*, *University of Wisconsin-Madison*; Won-tak Joo, *University of Wisconsin-Madison*; Jason Fletcher, *University of Wisconsin-Madison*; Barry Burden, *University of Wisconsin-Madison*
- P1 -2 **Consequences of a Recent Long-Term Care Rebalancing Policy for the Receipt of Family Care by Older Adults**  
Esther Friedman\*, *RAND Corporation*; Regina Shih, *RAND Corporation*; Sarah Edgington, *RAND Corporation*; Jose Escarce, *UCLA*
- P1 -3 **Social Security and Retirement in Latin America: Relation to Youth Unemployment**  
Bernardo Queiroz\*, *CEDEPLAR*; Laetitia De Souza, *Population Studies Center / University of Campinas (NEPO / UNICAMP)*
- P1 -4 **COVID-19, Age Structure, and Household Composition by Location in Bogotá: A Demographic Transition Highlighted by the Pandemic**  
Romel Rodriguez\*, *Ministry of Mines and Energy, Government of Colombia*; Romel Rodriguez, *Ministry of Mines and Energy, Government of Colombia*
- P1 -5 **The Protective Effects of Informal Care Receipt on Physical and Mental Health Among Older People in China**  
Yixiao Wang\*, *King's College London*
- P1 -6 **The Effects of Opioids on Labor Market Outcomes and Use of Social Security Disability Insurance (SSDI)**  
Adibah binti Abdulhadi\*
- P1 -7 **Midlife Crisis? Exploring Disparities and Changes in Health Coverage Among Adults Aged 45–64**  
Laryssa Mykyta\*, *U.S. Census Bureau*; Douglas Conway
- P1 -8 **(Healthy) Aging Patterns in Europe: A Multistate Health Transitions Approach**

- P1 -9 **Close Family Member Deaths and Physical Health Among American Young Adults**  
Kaitlin Shartle\*, University of North Carolina at Chapel Hill; Robert Hummer, Carolina Population Center; Debra Umberson, University of Texas at Austin
- P1 -10 **Take a Sad Song and Make It Better: Spousal Activity Limitations, Caregiving, and Depressive Symptoms Among Couples**  
Sae Hwang Han\*, University of Texas at Austin; Kyungmin Kim, Seoul National University; Jeffrey Burr, University of Massachusetts Boston
- P1 -11 **The Perception Among Medication-Adherent Elderly Individuals That Stopping HIV Treatment Means Death**  
Ifeolu David\*, University of Missouri; Enid Schatz, University of Missouri, Columbia; Tyler Myroniuk, University of Missouri; Nicole Angotti, American University; Sanyu Mojola, Princeton University
- P1 -12 **An Actor-Partner Interdependence Model of Depressive Symptoms and Body Mass Index Among Chinese Older Couples**  
Tingshuai Ge\*, Xi'an Jiaotong University; Yating Xie, Henan Agricultural University; Quanbao Jiang, Xi'an Jiaotong University
- P1 -13 **Financial Difficulties and Gender as Moderators of How Workforce Involvement and Transitions Affect the Health of Older Europeans**  
Jason Settels\*, University of Luxembourg
- P1 -15 **Disability-Free Life Expectancy in the Older English Population, 2002–2016: The Importance of Distinguishing Severity Levels of Disability**  
Benedetta Pongiglione, Bocconi University; PAOLA ZANINOTTO\*: Bianca De Stavola, University College of London; George Ploubidis, UCL Centre for Longitudinal Studies
- P1 -16 **Dually Eligible Life Expectancy by Nursing Home Residency**  
Sarah Petry\*, Duke University
- P1 -17 **Effects of California's Paid Family Leave on Older Adults**  
Joelle Abramowitz\*, University of Michigan; Marcus Dillender, University of Illinois at Chicago
- P1 -18 **Causal Effects of Fertility on Life Course Outcomes Among Older Adults: Evidence From a Novel Genetic Instrumental Variable Approach**  
Boyan Zheng\*, University of Wisconsin - Madison; Qiongshi Lu, University of Wisconsin - Madison; Jason Fletcher, University of Wisconsin - Madison
- P1 -19 **Inequalities Over the Life Cycle: The Role of Welfare and Family Dynamics**  
Dalila De Rosa, Ministry of Economy and Finance; Matteo Micheli; Chiara Pronzato\*, University of Turin
- P1 -20 **Examining the Association Between Cytomegalovirus and Disability by Race/Ethnicity and Gender**  
Grace Noppert\*, University of Michigan; Kate Duchowny, University of California, San Francisco
- P1 -21 **Age-Period-Cohort Effects in Multimorbidity: Evidence From the English Longitudinal Study of Ageing Data**  
Kamila Kolpashnikova\*, University of Oxford; Sara Zella, University of Oxford
- P1 -22 **Work, Disability, and Retirement: How the Interplay Between Body Mass Index and Heart Conditions Affects Older Individuals' Trajectories in and Out of the Labor Force**  
Angelo Lorenti\*, Max Planck Institute for Demographic Research; Mikko Myrskyla, Max Planck Institute for Demographic Research
- P1 -23 **Living Arrangements and Potential Support of Older Adults in Africa**  
Lara Cleveland\*, University of Minnesota
- P1 -24 **Association Between Graves' Disease and Alzheimer's Disease: Evidence From the Medicare System**  
Stanislav Kolpakov Nikitin\*, Duke University; Arseniy Yashkin, Duke University; Igor Akushevich, Duke University
- P1 -25 **Hashimoto Thyroiditis and Alzheimer's Disease: Evidences From the Medicare System**  
Stanislav Kolpakov Nikitin\*, Duke University; Arseniy Yashkin, Duke University; Igor Akushevich, Duke University
- P1 -26 **Role of Health and Occupation Switch on Retirement of American Midlife Workers**  
Yun Taek Oh\*, Minnesota Population Center & University of Minnesota
- P1 -27 **Support for Older Parents From Nonresident Children in Three Provinces of Vietnam**  
Minh Nguyen\*, Institute for Family and Gender Studies; Tran Long, Institute for Family and Gender Studies
- P1 -28 **The Role of Communities of Residences on Older Mexican Adults' Likelihood of High Depressive Symptoms**  
Paige Downer\*

- P1 -29 **Double Jeopardy: The Cumulative Toll of Objective and Subjective Weight Status on Health From Early Life to Adulthood**  
Iliya Gutin\*, University of North Carolina at Chapel Hill
- P1 -30 **Partnership Status and Social Connections Among Older Adults: Are There Cohort Differences?**  
Won Choi\*
- P1 -31 **Trend of the Utilization Rate of Healthcare Service Among the Elderly With Disabilities in China**  
Chao Guo\*, Peking University; Xiaoying Zheng, Peking University
- P1 -32 **Risk of Obesity in the United States, 1976–2018: Cohort Effects and Increasing Educational Inequalities**  
Anja Leist; Jason Settels, University of Luxembourg; Louis Chauvel\*, University of Luxembourg
- P1 -33 **Socioeconomic Status, Lifestyle Risk Factors, and Development of Multimorbidity in India: An Analysis of Population-Based Panel Data**  
Arpita Ghosh\*, The George Institute for Global Health; David Peiris, The George Institute for Global Health; Vivekanand Jha, The George Institute for Global Health India; Perianayagam Arokiasamy, International Institute for Population Sciences
- P1 -34 **Disease Exposure in Early Life Affects Female Reproduction**  
Ingrid van Dijk, Lund University; Therese Nilsson, Lund University; Luciana Quaranta\*, Lund University
- P1 -35 **Multidimensional Heterogeneity and the Black-White Mortality Crossover**  
Casey Breen\*, University of California, Berkeley
- P1 -36 **Self-perceived Risk of HIV Acquisition in Community-Dwelling Older Adults in South Africa**  
Makandwe Nyirenda\*, South African Medical Research Council; Jayanthie Naidoo, South African Medical Research Council; Paul Kowal, World Health Organization; joel negin, The University of Sydney
- P1 -37 **A Dyadic Analysis of the Intergenerational Transmission of Cognitive Schemas and Health Consequences**  
Eric Klopack\*; Ronald Simons, University of Georgia
- P1 -38 **Gender and Educational Differences in Cognitive Function of Older Adults in India: What Results From Wave 1 of Nationwide Longitudinal Ageing Study in India (LASI) Reveal?**  
Perianayagam Arokiasamy\*, International Institute for Population Sciences; Y Selvamani, International Institute for Population Sciences; Sarang Pedgaonkar, International Institute for Population Sciences; Dipika Gudekar, International Institute for Population Sciences; Sneha Surpum , International Institute for Population Sciences
- P1 -39 **Well-being Adjusted Health Expectancy—A New Summary Measure of Population Health**  
Magdalena Muszynska-Spielauer\*; Marc Luy, Vienna Institute of Demography
- P1 -40 **Caregiving Older Adults With a Physical Limitation: Evidence From the 2012 Mexican Health and Aging Study**  
Carlos Diaz-Venegas\*; Rafael Samper-Ternent, University of Texas Medical Branch; Rebeca Wong, University of Texas Medical Branch
- P1 -41 **Education, Marriage, and Old Age Outcomes**  
Prasanthi Ramakrishnan\*, Washington University in St. Louis
- P1 -42 **Identifying Race, Ethnicity, Geographic and Gender-Related Hotspots in Alzheimer's Disease Prevalence, Incidence, and Mortality Over the 1991–2017 Time Period: Evidence From the Medicare System**  
Arseni Yashkin, Duke University; Galina Gorbunova\*; Julia Kravchenko; Anatoliy Yashin, Duke University; Igor Akushevich, Duke University
- P1 -43 **Neuropsychiatric Behavior Disturbances and Mortality for Older Mexican Americans**  
Phillip Cantu\*, University of Texas Medical Branch; Soham Al Snihi, University of Texas Medical Branch
- P1 -44 **What Drives at Work in Later Stage of Life Among Chinese and Indian Elderly**  
Priya Maurya\*
- P1 -45 **Detecting Racial Segregation in Activity Space: New Measures Adjusting for Residential Segregation**  
Liang Cai\*, The University of Chicago; Christopher Browning, The Ohio State University
- P1 -46 **Racial Segregation in Activity Spaces: A Sequence Analysis Approach**  
Ariel Azar\*, University of Chicago; Liang Cai, The University of Chicago
- P1 -47 **Complexity of Employment Life Courses and Mental Health Later in Life: The Moderating Role of Defamilization Policy Exposure and Gender**  
Ariel Azar\*, University of Chicago
- P1 -48 **Neighborhood Socioeconomic Status and COVID-19 Pandemic**

- P1 -49 **Household Wealth and Life Expectancy in India, 1990–2016**  
Aashish Gupta\*, Population Studies Center, University of Pennsylvania
- P1 -50 **Birth Order, Birth Spacing, and Child Maltreatment: Exploring Resource Dilution Hypothesis**  
Anna Rybińska\*, Duke University; W. Benjamin Goodman, Duke University; Kenneth A. Dodge, Duke University
- P1 -51 **Participation in Religious Activities and Self-rated Health Among U.S. Adults**  
Raeven Chandler\*, Pennsylvania State University; Alexis Santos-Lozada, Pennsylvania State University
- P1 -52 **Systolic Blood Pressure and Mortality in South Africa: Evidence From a Nationally Representative Cohort Study**  
Alpha Oumar Diallo\*, University of North Carolina, Chapel Hill; Mohammed Ali, Emory University; Pascal Geldsetzer, Stanford University; Emily Gower, University of North Carolina, Chapel Hill; Trasias Mukama, German Cancer Research Center; Ryan Wagner, University of the Witwatersrand; Justine Davies, University of Birmingham; Maarten Bijlsma, Max Planck Institute for Demographic Research; Nikkil Sudharsanan, Heidelberg Institute of Global Health
- P1 -53 **How Universal Is the Relationship Between Life Expectancy and the Causes of Death That Matter Most? Variation in the Epidemiologic Transition Based on 70 Years of Historical Mortality Data**  
Nikkil Sudharsanan\*, Heidelberg Institute of Global Health; José Manuel Aburto, University of Oxford; Timothy Riffe, Max Planck Institute for Demographic Research; Alyson van Raalte, Max Planck Institute for Demographic Research
- P1 -54 **Erosion of the Hispanic Paradox? Projecting the Effects of Obesity on Future Life Expectancy in the United States**  
Maria Carabello\*, University of Michigan; Neil Mehta, University of Texas Medical Branch at Galveston
- P1 -55 **The Comorbidity of HIV, Hypertension, and Diabetes: A Qualitative Study Exploring the Challenges Faced by Healthcare Providers and Patients in Selected Urban and Rural Health Facilities Where the Integrated Chronic Disease Management (ICDM) Model Is Implemented in South Africa**  
Motlatso Godongwana\*, Nicole De Wet-Billings, University of the Witwatersrand
- P1 -56 **Predicting Functional Disability in Chile: A Life Course Approach**  
Sneha Mani\*, University of Pennsylvania
- P1 -57 **Global Progress Toward Survival Targets of International Conference on Population and Development**  
Kirill Andreev\*, United Nations; Mila Andreeva, KAMA Consulting; Toby Andreev, KAMA consulting
- P1 -58 **Racial and Ethnic Differences in Sleep Duration Life Expectancies Among Older Adults in the United States**  
Connor Sheehan\*, Arizona State University; Marc Garcia, University of Nebraska-Lincoln; Chi-Tsun Chiu, Academia Sinica; Phillip Cantu, University of Texas Medical Branch
- P1 -59 **The Long Arm of Sedentary Behavior and Exercise in Adolescence for Sleep in Early Adulthood**  
Connor Sheehan\*, Arizona State University; Longfeng Li, Arizona State University; Megan Petrov; Jennifer Mattingly, Arizona State University
- P1 -60 **Income Support Policies and Racial/Ethnic Disparities in Low Birth Weight in U.S. States**  
Megan Reynolds\*, University of Utah; Ming Wen, University of Utah; Zizheng Song, University of Utah
- P1 -61 **How Does Time in Agriculture Relate to Child Nutrition? Evidence From Uganda**  
Chris Boyd Leon\*, University of Minnesota
- P1 -62 **Active Aging and Social Support: A Cross-National European Comparison**  
Emanuela Furfarò\*, Elvira Pelle, Università degli Studi di Modena e Reggio Emilia; Giulia Rivellini, Università Cattolica del Sacro Cuore; Susanna Zaccarin, Università degli Studi di Trieste
- P1 -63 **Misfit of Circadian Rhythm Against Social Time**  
Shiro Furuya\*, University of Wisconsin-Madison; Jason Fletcher, University of Wisconsin-Madison; Qiongshi Lu, University of Wisconsin-Madison
- P1 -64 **Inequality and Compression of Mortality in India for Four Decades: 1970–2015**  
Mukesh Parmar\*, Jawaharlal Nehru University, New Delhi, India
- P1 -65 **Two-Way Misclassification of Stillbirths and Neonatal Deaths in Household Surveys: Evidence From Tanzania**  
Alexandria Mickler\*, Johns Hopkins University; Henry Kalter, Johns Hopkins University; Alain Koffi, Johns Hopkins University; Li Liu, Johns Hopkins University
- P1 -66 **Evaluating Pregnancy Reporting and Under-5 Mortality Estimates in HDSS Through Record Linkage With Antenatal Care Clinics**

Hallie Eilerts\*, London School of Hygiene and Tropical Medicine; Julio Romero Prieto, London School of Hygiene & Tropical Medicine; Georges Reniers, London School of Hygiene and Tropical Medicine

- P1 -67 **Helpers and Hero(ines): What Occupational Requirements Drive Job Satisfaction Among and Between Men and Women in Care Work Occupations?**  
Lilla Pivnick\*, University of Texas at Austin
- P1 -68 **Investigating Associations Between Occupational Characteristics and Individual Health**  
Lilla Pivnick\*, University of Texas at Austin; Kelly Raley, University of Texas at Austin; Robert Crosnoe, University of Texas at Austin
- P1 -69 **The Gender Differences in the Relationship Between Education and Type II Diabetes Prevalence: Decomposing Change for Cohorts Born Between 1935–1954 by Gender**  
Erik Hernandez\*, U.S. Census Bureau
- P1 -70 **Impact of India's Conditional Cash Transfer Program on Childhood Immunization Rates**  
Ruchi Jain\*, National Council of Applied Economic Research; Santanu Pramanik, National Council of Applied Economic Research; Sonalde Desai, University of Maryland
- P1 -71 **India's Cash Incentive Program for Maternal Care Utilization: Who Benefitted?**  
Ruchi Jain\*, National Council of Applied Economic Research; Santanu Pramanik, National Council of Applied Economic Research; Sonalde Desai, University of Maryland
- P1 -72 **Application of Machine Learning Models to Predict Neonatal Mortality Risk in Brazil, 2006–2016**  
Luciana Alves, University of Campinas (UNICAMP); Natália Arruda\*, University of Campinas; Carlos Beluzo, University of Campinas; Rodrigo Bresan, University of Campinas (UNICAMP); Tiago Carvalho, Federal Institute of São Paulo
- P1 -73 **Occupational Characteristics and Life Course Health: Evidence From NLSY97**  
Camille Portier\*
- P1 -74 **On the Smoothing of Death Curves Using Mixtures of Probability Distributions**  
Lucia Zanotto\*; Adelchi Azzalini, University of Padua
- P1 -75 **Deaths of Despair in the United States and Its Implications for the Mortality of Latinxs**  
Josefina Flores Morales\*, University of California, Los Angeles/ California Center for Population Research; Hiram Beltrán-Sánchez, University of California, Los Angeles
- P1 -76 **Socioeconomic Inequalities in Adult Mortality in Brazil: An Exploration Analysis Using Machine Learning Models**  
Natália Arruda\*, University of Campinas; Tiago Carvalho, Federal Institute of São Paulo; Luciana Alves, University of Campinas (UNICAMP)
- P1 -77 **Examining Linkages of Factors Associated With Anemia Among Pregnant Women in India: Evidence From the Fourth National Family Health Survey, 2015–2016**  
Surbhi Shrivastava\*, Emory University; Vijay Mishra, Public Health Foundation of India
- P1 -78 **The Influence of Socioeconomic Status, Functional and Emotional Health on Self-rated Health Among Italian Nonagenarians**  
Cosmo Strozza\*, University of Southern Denmark; Patrizio Pasqualetti, Fatebenefratelli Foundation for Health Research and Education; Viviana Egidi, Sapienza University of Rome
- P1 -79 **Which American States Are Managing COVID-19 Mortality Like Canadian Provinces and Why?**  
Tyler Myroniuk\*, University of Missouri; Michelle Teti, University of Missouri; Enid Schatz, University of Missouri, Columbia; Ifeolu David, University of Missouri
- P1 -80 **Assessing Data Completeness, Quality, and Representativeness of Justifiable Homicides in the FBI's Supplementary Homicide Reports: A Research Note**  
Brian Finch\*, University of Southern California; Audrey Beck, San Diego State University; Kyla Thomas
- P1 -81 **Macro-to-Micro Links Between Expenditure Inequality and Cardiovascular Morbidity**  
Ayantika Biswas\*, International Institute for Population Sciences (IIPS)
- P1 -82 **Quantifying the Strength of Evidence of Associations Between Alcohol and Health Outcomes Using a Novel Meta-Regression Approach**  
Dana Bryazka\*; Marissa Reitsma, Institute for Health Metrics and Evaluation; Emmanuel Gakidou, Institute for Health Metrics and Evaluation
- P1 -83 **Exclusive Breastfeeding in Indian Regions and Its Association With Women's Status**  
Pooja Arora\*
- P1 -84 **Social Disadvantage and Life Expectancy in Nine Indian States**

- P1 -85 **Disparities in Years of Potential Life Lost Among Racial and Ethnic Groups in Washington State**  
Sande Stanley\*; Solmaz Amiri, Washington State University; Justin Denney, Washington State University; Dedra Buchwald, Washington State University
- P1 -86 **Socioeconomic Risk Factors of Hypertension Among Persons Aged 15–49 in Nepal: A Cross-Sectional Study**  
Bishnu Thapa\*
- P1 -87 **Acculturation, Social Support, and Suicidal Ideation Among Asian Immigrants in the United States**  
Min Ju Kim\*
- P1 -88 **Correlates of In-Patient Catastrophic Health Spending of Women in India: Infectious Versus Reproductive Diseases**  
Manali Swargiary\*; Dr. Hem Lhungdim, International Institute for Population Sciences
- P1 -89 **Educational Inequalities in Disability-Free Life Expectancy in Sweden, 2002–2014**  
Louise Sundberg\*; Neda Agahi, Karolinska Institutet; Jonas Wastesson, Karolinska Institutet; Johan Fritzell, Karolinska Institutet; Stefan Fors, Karolinska Institutet
- P1 -90 **Multilevel Analysis of Unhealthy Bodyweight Among Women in Malawi: Does Urbanization Really Matter?**  
Rotimi Afolabi\*; Martin Palamuleni, North-West University
- P1 -91 **Effects of Randomized Audits on Child Mortality in Brazil**  
Antonio Pedro Ramos\*, University of California, Los Angeles
- P1 -92 **Changes in Incidence of Childhood Obesity: Higher, Younger, More Severe**  
Solveig Cunningham\*, Emory University; Carmen Ng, Emory University; Michael Kramer, Emory University; K.M. Venkat Narayan, Emory University
- P1 -93 **Examining the Spatial Heterogeneity of Rural-Urban Mortality in Colorado**  
Cyrus Hester\*, Stefan Leyk, University of Colorado; Lori Hunter, University of Colorado Boulder; Myron Gutmann, University of Colorado Boulder
- P1 -94 **Excess Mortality in the United States in the Twenty-First Century: An Age-Specific Assessment**  
Samuel Preston, University of Pennsylvania; Yana Vierboom\*, Max Planck Institute for Demographic Research
- P1 -95 **Assessment of Changes in Place of Death of Older Adults Who Died From Dementia in the United States, 2000–2014: A Time-Series Cross-Sectional Analysis**  
Wei Xu\*, University of Wisconsin–Madison; Changshan Wu, University of Wisconsin-Milwaukee; Jason Fletcher, University of Wisconsin–Madison
- P1 -96 **Why Are Indians Dying? Evidence From the Civil Registration System of an Indian Metro City, 2001–2016**  
Ashish Awasthi\*
- P1 -97 **Levels, Spatial and Temporal Variations, and Associated Factors of Twin Excess Mortality From Ages 0–5 in Sub-Saharan Africa: Analyses of National Surveys From 42 Countries**  
Adama OUEDRAOGO\*; Gilles Pison, INED; Sophie Le Coeur, INED; Bassiahi Soura, Universite de Ouagadougou- Burkina Faso
- P1 -98 **The Excess Mortality of Twins Compared to Singletons From Birth to Age 5 in Sub-Saharan Africa: Analysis of Health and Demographic Surveillance Systems (HDSS) Data**  
Adama OUEDRAOGO\*; Gilles Pison, INED; Bassiahi Soura, Universite de Ouagadougou- Burkina Faso; Sophie Le Coeur, INED; Valerie Delaunay, Universite de Provence; Ane Fisker, Statens Serum Institut; Kassoum Dianou, ISSP
- P1 -99 **Formal and Informal Healthcare Use in Urban Slums of Nigeria**  
Olufunke Fayeheun\*, University of Ibadan; Motunrayo Ajisola, University of Ibadan; Olalekan Uthman, University of Warwick; Oyinlola Oyebode, University of Warwick; Abiola Oladejo, University of Ibadan; Eme Owoaje, University of Ibadan; Olalekan Taiwo, University of Ibadan; Oladoyin Odubanjo, Nigerian Academy of Science; Richard Lilford, University of Birmingham; Akinyinka Omigbodun, University of Ibadan
- P1 -100 **The Spectrum of Reproductive Loss and Its Relationship to Measurement of Early Life Mortality**  
Payal Hathi\*, UC Berkeley
- P1 -101 **Improving Utilization of Postnatal Care: Determinants and Rationale for Preference for Group Based Postnatal Care Service Delivery Initiative in Central Uganda**  
Elizabeth Nansubuga\*, Makerere University; Peninah Agaba, Makerere University; Patricia Ndugga, Makerere University
- P1 -102 **The Effect of Droughts on Healthcare Expenditure in Rural India**  
Divya Pandey\*, University of Minnesota
- P1 -103 **Socioeconomic Status Across the Life Course and Dementia-Status Life Expectancy Among Older Americans**  
Hyungmin Cha\*, University of Texas at Austin; Mateo Farina, University of Southern California; Mark Hayward, University of Texas at Austin

P1 -104 **Racial/Ethnic and Gender Disparities in Changing Suicide and Mortality Rates Among U.S. Children, 1999–2018**

Ronna Popkin\*, Eunice Kennedy Shriver National Institute of Child Health and Human Development; Rebecca Clark, Eunice Kennedy Shriver National Institute of Child Health and Human Development; Juanita Chinn, Eunice Kennedy Shriver National Institute of Child Health and Human Development

P1 -105 **Examining Sex Differences in Peruvian Mortality**

Helena Cruz Castanheira\*, UN/ECLAC/CELADE-Population Division; José Henrique Monteiro da Silva, Economic Commission for Latin America and the Caribbean

P1 -106 **Place-Based Inequalities in Persistent Midlife Mortality Risk Across Levels of Rurality and Poverty**

Jessica Miller\*, Pennsylvania State University

P1 -107 **County-Level Geographic Disparities in Mortality Across the United States: Cause-Specific Death Rate, Access to Medical Care, and Demographic, Socioeconomic, and Environmental Factors**

Julia Kravchenko\*, Duke University School of Medicine; Bryce Wargin, Duke University

P1 -108 **Black-White Differences in the Association Between Psychological Distress and Mortality**

Yan-Liang Yu\*, Howard University

P1 -109 **Spatial Patterns of Increase in Mortality of Midlife Americans**

Amin Etemadifar\*

P1 -110 **How to Retire for Better Health: Directly From Full-Time Work or via Partial Retirement?**

Masaaki Mizuochi\*, Nanzan University

P1 -111 **Changes in Literacy Skills as Cohorts Age: A Demographic Reconstruction of Adult Literacy Test Results**

Claudia Reiter\*, Wittgenstein Centre for Demography and Global Human Capital

**19 Aging in the COVID-19 Era**

*CHAIR: Yingling Liu, Baylor University*

*DISCUSSANT: Iliana Kohler, University of Pennsylvania-Population Studies Center*

**10:45 AM-12:00 PM — Open Water**

19-1 **Job Transitions and Mental Health Outcomes Among U.S. Adults Aged 55 and Older During the Covid-19 Outbreak**

Leah Abrams\*, Harvard T.H. Chan School of Public Health; Jessica Finlay, University of Michigan; Lindsay Kobayashi, University of Michigan

19-2 **The Impact of the COVID-19 Pandemic on Older People's Depression: The Role of Nonphysical Contacts**

Bruno Arpino\*, University of Florence; Marta Pasqualini, Universitat Pompeu Fabra; Valeria Bordone, University of Vienna; Aida Solé-Auró, Universitat Pompeu Fabra

19-3 **Assessing COVID-19 Exposures for At-Risk Populations: Preliminary Findings From the CHART Study**

Kate Cagney\*, University of Chicago; Erin York Cornwell, Cornell University; Christopher Browning, The Ohio State University; Louise Hawkley, National Opinion Research Center at the University of Chicago; Kevin Brown

19-4 **Age and COVID-19 Mortality: A Comparison of Gompertz Doubling Time Across Countries and Causes of Death**

Isaac Sasson\*, Tel Aviv University

**20 Socioeconomic and Geographic Disparities in Later Life**

*CHAIR: Marc Garcia, University of Nebraska-Lincoln*

*DISCUSSANT: David Warner, University of Alabama at Birmingham*

**10:45 AM-12:00 PM — Open Water**

20-1 **How Do U.S. State Policy Contexts Shape Cause-Specific Mortality?**

Jennifer Karas Montez\*, Syracuse University; Nader Mehri, Syracuse University

20-2 **A Multilevel Analysis of Where Older Adults Die**

Aubrey Limburg\*

20-3 **Geographic Disparities in Mortality From Alzheimer's Disease and Related Dementias**

Arseniy Yashkin\*, Duke University; Julia Kravchenko; Anatoliy Yashin, Duke University; Igor Akushevich, Duke University

20-4 **The Rural Roots of Later-Life Cognitive Functioning**

## 21 International Migration and Child Well-being

CHAIR: Stephanie Potocznick, University North Carolina at Charlotte

DISCUSSANT: Gabriela Sanchez-Soto, Rice University

DISCUSSANT: Molly Dondero, American University

10:45 AM-12:00 PM — Open Water

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### 21-1 Fathers' Migration Timing and Disruptions in Children's Schooling

Scott Yabiku\*, Pennsylvania State University; Haoyang Zhang, Pennsylvania State University; Sarah Miller, Pennsylvania State University; Jennifer Glick, Pennsylvania State University

### 21-2 Impact of International Migration on Educational Mobility Among Children From Migrant-Sending Households: A Source Region Perspective From Kerala

Anu Abraham\*

### 21-3 International Out-Migration and the Health of Left-Behind Adolescents in Nepal

Dirgha Ghimire\*, University of Michigan; Amit Anshumali, University of Chicago; Emily Treleaven, University of Michigan

### 21-4 Father Migration and Adolescent's Socioemotional Well-being

Alejandra Abufhele\*, Pontificia Universidad Católica de Chile; Agustina Laurito, University of Illinois at Chicago

## 22 Bayesian Demography II

CHAIR: Monica Alexander, University of Toronto

DISCUSSANT: Niamh Cahill,

10:45 AM-12:00 PM — Open Water

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### 22-1 Modeling and Forecasting Bilateral Migration Flows for All Countries

Nathan Welch\*, University of Washington; Adrian Raftery, University of Washington

### 22-2 Bayesian Estimation and Model Selection in Group-Based Trajectory Models

Emma Zang\*, Yale University; Justin Max, Consumer Edge

### 22-3 Contraceptive Stalls/Plateaus in Sub-Saharan Africa

Mark Wheldon\*, United Nations Population Division; Vladimira Kantorova, United Nations; Aisha Dasgupta, United Nations Population Division; Philipp Ueffing, United Nations Population Division; Joseph Molitoris, Lund University

### 22-4 Model-Based Unintended Pregnancy and Abortion Estimates for 150 Countries

Jonathan Bearak\*, Guttmacher Institute; Anna Popinchalk, Guttmacher Institute; Cynthia Beavin; Bela Ganatra, UNDP/UNFPA/UNICEF/WHO/World Bank Special Programme of Research, Development and Research Training in Human Reproduction, Department of Sexual and Reproductive Health and Research, WHO; ann-Beth Moller; Özge Tunçalp, UNDP/UNFPA/UNICEF/WHO/World Bank Special Programme of Research, Development and Research Training in Human Reproduction, Department of Sexual and Reproductive Health and Research, WHO ; Leontine Alkema, University of Massachusetts Amherst

## 23 Childhood Conditions and Adult Achievement

CHAIR: Jayanti Owens, Brown University

DISCUSSANT: Christina Ciocca Eller, Harvard University

10:45 AM-12:00 PM — Open Water

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### 23-1 Trajectories of Downward Mobility in the United States

Shiva Rouhani\*, University of California, Los Angeles; Jennie Brand, University of California, Los Angeles; Xi Song, University of Pennsylvania

### 23-2 Race, Gender, and Young Adults' Career Aspirations Across the Transition to Adulthood

Alyssa Browne\*, University of North Carolina at Chapel Hill; Lisa Pearce, University of North Carolina at Chapel Hill; Jessica Hardie, Hunter College, CUNY

### 23-3 The Timing of School Suspensions, Cumulative Disadvantage, and Black Student Resiliency

Matthew Snidal\*, University of Texas at Austin

### 23-4 The Effects of Childhood Poverty on Racial Differences in Economic Opportunity in Young Adulthood

Zachary Parolin\*, Columbia University; Christopher Wimer, Columbia University; Jane Waldfogel, Columbia University

## **24 Neighborhood Inequality: Processes and Effects**

*CHAIR: Kendra Bischoff, Cornell University*

*DISCUSSANT: Michael Bader, American University*

**10:45 AM-12:00 PM — Open Water**

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- 24-1 Racial Stratification and the Consequences of Gentrification on Residential Mobility**  
Jackelyn Hwang, *Stanford University*; Iris Zhang\*, Lance Freeman, *Columbia University*

- 24-2 The Consistency of White Advantage and the Heterogeneity of Nonwhite Disadvantage: Trajectories of Neighborhood Environments Over the Life Course of Multiple Birth Cohorts**  
Jennifer Candipan\*, *Harvard University*; Robert J Sampson, *Harvard University*

- 24-3 Immigrant Neighborhoods and Eviction: Hidden Housing Crisis?**  
Rebecca Tesfai\*, *Temple University*; Matthew Ruther, *University of Louisville*

- 24-4 Neighborhood Effects in the Twenty-First Century: Disadvantage, Density, and the Spatial Distribution of Institutional Resources**  
Jared Schachner\*, *Harvard University*

## **25 Policy and Labor Market Constraints on Work and Caregiving**

*CHAIR: Hope Harvey, University of Kentucky*

*DISCUSSANT: Patrick Ishizuka, Washington University in St. Louis*

**10:45 AM-12:00 PM — Open Water**

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- 25-1 The Effects of Child Care Subsidies on Paid Child Care Participation and Labor Market Outcomes: Evidence From the Child and Dependent Care Credit**  
Gabrielle Pepin\*

- 25-2 Impacts of State-Paid Family Leave Policies for Family Caregivers of Older Adults**  
Elizabeth Peters\*, *Urban Institute*; Breno Braga, *Urban Institute*; Barbara Butrica, *Urban Institute*; Stipica Mudražija, *Urban Institute*

- 25-3 Parents' Flexible Work Arrangements and Developmental Parenting Time**  
Jennifer Augustine\*, *University of South Carolina*; Jaeseung Kim, *University of South Carolina*; Mina Lee

- 25-4 Mothers' Nonstandard Work Schedules, Economic Hardship, and Children's Development**  
Afshin Zilanawala\*, *University of Nottingham*; Anika Schenck-Fontaine, *Leibniz Institute for Educational Trajectories*

## **26 Predictors of Union Dissolution**

*CHAIR: Kelly Raley, University of Texas at Austin*

*DISCUSSANT: Diederik Boertien, Centre for Demographic Studies (CED)*

**10:45 AM-12:00 PM — Open Water**

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- 26-1 Antecedents of "Grey Divorces" in Europe**  
Giammarco Alderotti\*, *University of Florence*; Cecilia Tomassini, *Università degli studi del Molise*; Daniele Vignoli, *University of Florence*

- 26-2 Sick of You? A Register-Based Study of Partner's Health-Related Benefits and Divorce Among Older Working-Age Men and Women in Sweden**  
Maria Stanfors\*, *Lund University*; Therese Nilsson, *Lund University*; Anna Welander, *Lund University*

- 26-3 Economic Transformation, Relationship Quality, and Marital Dissolution Among Young Women in Malawi**  
Jeong Hyun Oh\*

- 26-4 Unintended Higher-Order Births and Relationship Stability: Variation by Family Complexity**  
James Stykes\*, *Sam Houston State University*; Karen Guzzo, *Bowling Green State University*

## **27 COVID-19 and Fertility**

*CHAIR: Karina Shreffler, Oklahoma State University*

*DISCUSSANT: Alison Gemmill, Johns Hopkins Bloomberg School of Public Health*

**10:45 AM-12:00 PM — Open Water**

## **Emotion and Fertility in Times of Disaster: Conceptualizing Fertility Responses to the COVID-19 Pandemic and Beyond**

Natalie Nitsche\*, Max Planck Institute for Demographic Research; D. Susie Lee, Max Planck Institute for Demographic Research

- 27-2 **Fertility Expectations During COVID-19: A Longitudinal Analysis of Young Men and Women**  
Wendy Manning\*, Bowling Green State University; Karen Guzzo, Bowling Green State University; Monica Longmore, Bowling Green State University; Peggy Giordano, Bowling Green State University

- 27-3 **Trends in the Need for and Use of Contraception Before and During COVID-19 in Four Sub-Saharan African Geographies: Results From Population-Based National or Regional Cohort Surveys**  
Shannon Wood\*, Johns Hopkins Bloomberg School of Public Health; Celia Karp, Johns Hopkins Bloomberg School of Public Health; Funmilola OlaOlorun, University of Ibadan, Ibadan, Nigeria; Pierre Akilimali, Kinshasa School of Public Health; Georges Guiella, Institut Supérieur Des Sciences de la Population; Peter Gichangi, International Centre for Reproductive Health-Kenya; Linnea Zimmerman, Johns Hopkins Bloomberg School of Public Health; Phil Anglewicz, Johns Hopkins Bloomberg School of Public Health; Elizabeth Larson, Performance Monitoring for Accountability (PMA), Johns Hopkins Bloomberg School of Public Health; Saifuddin Ahmed, Johns Hopkins Bloomberg School of Public Health; Caroline Moreau, Johns Hopkins Bloomberg School of Public Health

- 27-4 **Baby Boom or Baby Bust? Fertility Effects of the COVID-19 Pandemic**  
Trude Lappégaard\*, University of Oslo; Axel Peter Kristensen, University of Oslo; Lars Dommermuth, Statistics Norway; Tom Kornstad, Statistics Norway; Daniele Vignoli, University of Florence

## **28 Innovation and Challenges in Studying Contraceptive Use**

CHAIR: Amy Finnegan, IntraHealth International

DISCUSSANT: Yoonjoung Choi, iSQUARED Global

10:45 AM-12:00 PM — Open Water

- 28-1 **Rethinking How to Calculate Discontinuation Rates**  
Aparna Jain\*, Population Council; Elizabeth Tobey, Population Council; Sara Chace Dwyer
- 28-2 **Challenges in Differentiating the Effect of Experiencing Side Effects Versus Fearing Side Effects: Evidence From PMA Ethiopia**  
Linnea Zimmerman\*, Johns Hopkins Bloomberg School of Public Health; Dana Sarnak, Johns Hopkins Bloomberg School of Public Health; Celia Karp, Johns Hopkins Bloomberg School of Public Health; Shannon Wood, Johns Hopkins Bloomberg School of Public Health; Assefa Seme Deresse, Addis Ababa University; Mahari Gidey
- 28-3 **Linking Contraceptive Users to Service Delivery Points: Innovations and Challenges—Findings From the Consumer's Market for Family Planning in Kenya, Nigeria, and Uganda**  
Nkemdiri Wheatley; Mark Conlon, Population Services International, Washington, DC; Hoda Elmasry, Population Services International, Washington, DC; Justin Archer, Population Services International, Washington, DC; Hildah Essendi, Population Services Kenya; Julius Ngigi, Population Services Kenya; Anthony Nwala, Society for Family Health; Chinedu Onyezobi, Society for Family Health; Peter Buyungo, Population Services International, Uganda; Noah Nyende, Population Services International, Uganda; Paul Bouanchaud, Population Services International, Washington, DC; Brett Keller, Population Services International, Washington, DC; Raymond Sudoi, Population Services Kenya; Amanda Kalamar\*, Population Services International, Washington, DC

- 28-4 **Contraceptive Behavior Dynamics and Pregnancy Experiences in the United States: A Latent Transition Analysis**

Alison Swiatlo\*, University of North Carolina at Chapel Hill; Sian Curtis, University of North Carolina Chapel Hill; Carolyn Halpern, University of North Carolina at Chapel Hill; Katherine Tumlinson, University of North Carolina at Chapel Hill; Kristen Hassmiller Lich, University of North Carolina Chapel Hill; Nisha Gottfredson, University of North Carolina Chapel Hill

## **29 Criminal Justice, Violence, and Health**

CHAIR: Evelyn Patterson, Vanderbilt University

DISCUSSANT: Rachel Zajdel,

DISCUSSANT: Darwin Baluran,

10:45 AM-12:00 PM — Open Water

- 29-1 **Selected, Scarred, and Strengthened: The Postwar Survival of World War I Prisoners of War**  
Evan Roberts\*, University of Minnesota; Amy Verrando, University of Minnesota
- 29-2 **Mass Shootings and Infant Health in the United States**  
Tushar Bharati\*, University of Western Australia; Rakesh Banerjee, University of Exeter

- 29-3 **The Uneven Spillover Effects of Police Violence: Mapping the Relationship Between Police Shootings and Racialized Stress**  
*Hajar Yazdiha\*, University of Southern California; Courtney Boen, University of Pennsylvania*

- 29-4 **The Consequences of Medicaid Expansion Under the Affordable Care Act for Police Arrests**  
*Jessica Simes\*, Boston University; Jaquelyn Jahn, Harvard T.H. Chan School of Public Health*

## **30 Flash: Spatial and Geographic Disparities in Health**

*CHAIR: Shannon Monnat, Syracuse University*

**10:45 AM-12:00 PM — Open Water**

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- 30-1 **Rural-Urban Differences in Lifespan Variation in the United States**  
*Benjamin Walker\*, Mississippi State University; Dustin Brown, Mississippi State University*

- 30-2 **State-Level Trends in Lifespan Variability in the United States, 1960–2014**  
*Dustin Brown\*, Mississippi State University; Joseph Lariscy, University of Memphis; Benjamin Walker, Mississippi State University*

- 30-3 **Racial and Geographic Disparities in U.S. Life Expectancy: Analysis of Time Trends and Disease Contributions Using Multiple Cause of Death and Medicare Data**  
*Igor Akushevich\*, Duke University; Arseniy Yashkin, Duke University; Julia Kravchenko, Duke University School of Medicine*

- 30-4 **Power to the People: Power Resources and the Health of States**  
*Megan Reynolds, University of Utah; Patricia Homan, Florida State University; Zachary Franzoni\*, University of Utah*

- 30-5 **U.S. State Differences in Rates of Labor Induction, 1990–2015**  
*Andrea Tilstra\*, University of Colorado Boulder; Zachary Cramer; Daniel Simon, University of Colorado Boulder; Ryan Masters, University of Colorado Boulder*

- 30-7 **Heart Failure Mortality, Incidence, Prevalence, and Survival in the United States: Analysis of Geographic Disparities Among Older Adults Using Medicare Data**  
*Bin Yu\*, Igor Akushevich, Duke University; Julia Kravchenko*

- 30-8 **Decomposing the Rural-Urban Obesity Gap Over Time in the United States**  
*Josefina Flores Morales, University of California, Los Angeles/ California Center for Population Research; Emma Zang, Yale University; Liying Luo, Pennsylvania State University; Drishti Baid\*, Duke University*

## **31 Immigrant and Immigration Policy: Changes and Effects**

*CHAIR: Danielle Crookes, Emory University*

*DISCUSSANT: Danielle Crookes, Emory University*

*DISCUSSANT: Emily Parker, Cornell University*

**10:45 AM-12:00 PM — Open Water**

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- 31-1 **Hitting Closer to Home: State Policies' Impacts on Immigrant Health**  
*Adriana Reyes, Cornell University; Tatiana Padilla\**

- 31-2 **Structural Racism and Intersectionality in Birth Outcomes: Association of Criminalizing and Inclusive Immigration Policies With Preterm Birth by Race and Nativity Status in the United States**  
*May Sudhiraraset\*, UCLA Fielding School of Public Health; Rebecca Woofter, UCLA; Maria Elena Young, UCLA Center for Health Policy Research; Amanda Landrian, UCLA Fielding School of Public Health; Dovile Vilda, Tulane University; Steven Wallace, University of California, Los Angeles*

- 31-3 **Spreading Fear: The Announcement of the Public Charge Rule Reduced Enrollment in Child Safety-Net Programs**  
*Jeremy Barofsky\*, ideas42; Ariadna Vargas, ideas42; Dinardo Rodriguez, ideas42; Anthony Barrows, ideas42*

- 31-4 **The Roles of State and Local Immigration Policy in Shaping Spatial and Age Patterns of Health Inequality**  
*Courtney Boen\*, University of Pennsylvania; Nick Graetz, University of Pennsylvania; Morgan Peele, University of Pennsylvania; Atheendar Venkataramani, University of Pennsylvania; Robin Ortiz, University of Pennsylvania*

## **32 New Trends in International Migration**

*CHAIR: Filiz Garip, Cornell University*

*DISCUSSANT: Matthew Hall, Cornell University*

**10:45 AM-12:00 PM — Open Water**

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- 32-1 **A “Brexodus”? European Migrants in the United Kingdom in the Light of the Facebook Advertising Data**  
Francesco Rampazzo\*, University of Oxford; Jakub Bijak, University of Southampton; Agnese Vitali, University of Trento; Ingmar Weber, Qatar Computing Research Institute, HBKU; Emilio Zagheni, Max Planck Institute for Demographic Research
- 32-2 **Legal Trajectories Among Immigrants in Belgium: A Quantitative Longitudinal Analysis**  
Bruno Schoumaker\*, Universite Catholique de Louvain; Mireille Le Guen, UCLouvain; Louise Caron, Institut National d’Études Démographiques (INED); Wanli Nie
- 32-3 **Harnessing Household Surveys to Broaden Migrant Profiles From Mexico: The Case of the ENOE and ENADID**  
Andrea Miranda González\*, University of California, Berkeley
- 32-4 **The “Internetization” of International Migration**  
Luca Maria Pesando\*, Department of Sociology and Centre on Population Dynamics, McGill University; Valentina Rotondi, Bocconi University; Manuela Stranges, University of Calabria; Ridhi Kashyap, University of Oxford; Francesco Billari, Bocconi University

### **33 Methodological Innovations in Mortality**

*CHAIR: Hiram Beltrán-Sánchez, University of California, Los Angeles  
DISCUSSANT: Samuel Clark, The Ohio State University*

**10:45 AM-12:00 PM — Open Water**

- 33-1 **Probabilistic Projection of Subnational Life Expectancy**  
Hana Sevcikova\*, University of Washington; Adrian Raftery, University of Washington
- 33-2 **Optimization in Lifesaving Models of Mortality**  
James Oeppen\*, University of Southern Denmark; Jesus-Adrian Alvarez, Interdisciplinary Centre on Population Dynamics, University of Southern Denmark; José Manuel Aburto, University of Southern Denmark; Marie-Pier Bergeron-Boucher, Center on Population Dynamics (CPop), SDU
- 33-3 **Modeling Transient Mortality Shocks in Low-Mortality Populations**  
Joshua Goldstein\*, University of California, Berkeley; Ronald Lee, University of California, Berkeley
- 33-4 **Identifying New Age Patterns of Under-5 Mortality Using the Under-5 Mortality Database**  
Andrea Verhulst\*, University of Pennsylvania; Julio Romero Prieto, London School of Hygiene & Tropical Medicine; Nurul Alam, International Centre for Diarrhoeal Disease Research, Bangladesh; Patrick Gerland, United Nations Population Division; Joanne Katz, Johns Hopkins University; Bruno Lankoande; Li Liu, Johns Hopkins University; Georges Reniers, London School of Hygiene and Tropical Medicine; Seema Subedi, Johns Hopkins University; Francisco Villavicencio, Johns Hopkins University, Bloomberg School of Public Health; Michel Guillot, University of Pennsylvania and INED

### **34 Critical Demography**

*CHAIR: Leslie Root, University of California, Berkeley  
DISCUSSANT: Jennifer Johnson-Hanks, University of California, Berkeley*

**10:45 AM-12:00 PM — Open Water**

- 34-1 **A Computational View of the Field of Demography**  
Giovanna Merli\*, Duke University; James Moody, Duke University; Ashton Verdery, Penn State; Mark Yacoub, Duke University
- 34-2 **History Matters: Path Dependence and Global Fertility Trends**  
Alfonso Carballo\*, Bocconi University
- 34-3 **Making Marriage Markets? Economic Mythology and Demography**  
Sophie Moullin\*, Princeton University
- 34-4 **Autochthonous Languages and Post-National Fertility in Western and Central Europe**  
Alexander Weinreb\*, University of Texas at Austin

### **35 Invited: Assessing the Quality of the 2020 Census**

*CHAIR: Thomas Bryan, BryanGeoDemographics*

**10:45 AM-12:00 PM — Open Water**

- 35-1 **Representing the U.S. Census Bureau**  
Ron Jarmin\*, U.S. Census Bureau
- 35-2 **The History of Assessing Census Quality**

*Howard Hogan\*, U.S. Census Bureau (Retired)*

**35-3 Interpretation and use of Census Quality Measures**

*Constance Citro\*, Committee on National Statistics*

**35-4 Coverage of Children**

*William O'Hare\*, O'Hare Data and Demographic Services, LLC*

**36 Life Course Connections and Well-being**

*CHAIR: Joseph Clark, University of Wisconsin–Madison*

*DISCUSSANT: Won-tak Joo, University of Wisconsin–Madison*

**1:00 PM-2:15 PM — Open Water**

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**36-1 Social Isolation, Loneliness, and Health: Evidence From a Large-Scale Survey**

*Christian Joy Cruz\*, University of the Philippines*

**36-2 Family Member Death, Social Isolation, and Cardiometabolic Health: Racial Disadvantage in the United States**

*Rachel Donnelly\*, Vanderbilt University; Debra Umberson, University of Texas at Austin*

**36-3 Gaining Faith, Losing Faith: How Education Shapes the Relationship Between Religious Transitions and Later Depression**

*Laura Upenieks; Patricia Thomas \*, Purdue University*

**36-4 Concentration of Critical Events Over the Life Course and Life Satisfaction Later in Life**

*Chiara Ludovica Comolli\*, University of Lausanne; Danilo Bolano, University of Lausanne; Laura Bernardi, University of Lausanne; Marieke Voorpostel, FORS*

**37 Intergenerational Relationships and Health**

*CHAIR: Connor Sheehan, Arizona State University*

*DISCUSSANT: Jacqueline Torres, University of California, San Francisco*

*DISCUSSANT: Jenjira Yahirun, Bowling Green State University*

**1:00 PM-2:15 PM — Open Water**

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**37-1 The Structural Inequity of Intergenerational Transmission of Healthy Life Expectancies**

*Heeju Sohn\*, Emory University*

**37-2 Children's Attainment of Adult Statuses and Health of Aging Parents**

*Anna Hammersmith\*, Grand Valley State University; Xing Zhang, Arizona State University*

**37-3 Causal Effect of Adult Children's Education on Parental Longevity in the United States: An Intergenerational Mendelian Randomization Approach**

*Patrick Praeg\*, University of Oxford; Felix Tropf, University of Oxford; Christiaan Monden, University of Oxford*

**37-4 Does Having a Son Make You Happier? Evidence From China**

*Zeyuan Chen\**

**38 Social, Economic, and Demographic Consequences of COVID-19**

*CHAIR: Marcia Castro, Harvard University*

*DISCUSSANT: Marília Nepomuceno, Max Planck Institute for Demographic Research*

**1:00 PM-2:15 PM — Open Water**

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**38-1 The Lived Experience of COVID-19 Mortality: Quantifying the Relationship Between Excess Mortality and Family Bereavement**

*Mallika Snyder\*, University of California, Berkeley; Diego Alburez-Gutierrez, Max Planck Institute for Demographic Research; Iván Williams, University of Buenos Aires; Emilio Zagheni, Max Planck Institute for Demographic Research*

**38-2 COVID-19 and Reproductive Health: The Effect of Stay-at-Home Orders on the Decline in Abortions Performed at the Mexico City's Public Abortion Program**

*Fernanda Marquez-Padilla\*; Biani Saavedra, Center for Research and Teaching in Economics (CIDE)*

**38-3 COVID-19 Exposure and Inequality in U.S. Birth Outcomes**

- 38-4 **Avoidable Sectoral Economic Costs of the COVID-19 Pandemic Through Changes in the Population of Active Workers Under Different Scenarios of Social Distancing**  
Gilvan Guedes\*, Universidade Federal de Minas Gerais (UFMG); Rafael Ribeiro; Monica Andrade; Kenya Noronha, UFMG/CEDEPLAR; Cassio Turra, CEDEPLAR; Simone Wajman, CEDEPLAR; Edson Domingues, CEDEPLAR; Aline Magalhaes, CEDEPLAR; Monique Felix, CEDEPLAR; Reinaldo Santos, CEDEPLAR; Jeferson Andrade, Statistics Dept/UFMG; Thiago Simonato, CEDEPLAR; Debora Cardoso, CEDEPLAR

## 39 Ethno-Racial Disparities in Education and the Labor Market

CHAIR: Laura Bellows, University of Virginia  
DISCUSSANT: Michelle Maroto, University of Alberta

1:00 PM-2:15 PM — Open Water

- 39-1 **Class Crystallization: Understanding Inequality Across Multiple Dimensions of Well-being**  
Deirdre Bloome\*, University of Michigan; Daniel Schrage, University of Southern California; Jane Furey
- 39-2 **Underemployment and Wage Inequality by Racial/Ethnic and Nativity Among Highly-Educated U.S. Workers**  
Yao Lu\*, Columbia University; Xiaoguang Li, Xi'an Jiaotong University
- 39-3 **Cumulative Disadvantage Dynamics for Palestinian Israeli Arabs in Israel's Economy**  
Meir Yaish, University of Haifa; Limor Gabay-Egozi\*, Bar-Ilan University, Israel
- 39-4 **Unions and Racial Inequality in Wage Premiums in the United States: A Life Course Approach**  
Tom VanHeuvelen\*, University of Minnesota; Regina Baker, University of Pennsylvania

## 40 New Insights on the Mechanisms of Housing Inequality

CHAIR: Kendra Bischoff, Cornell University  
DISCUSSANT: Laura Tach, Cornell University

1:00 PM-2:15 PM — Open Water

- 40-1 **"We Came So Close in Finding a Place": Residential Choice, Barriers, and Trade-offs in the Creating Moves to Opportunity Experiment**  
Stefanie DeLuca\*, Johns Hopkins University; Kiara Nerenberg, Johns Hopkins University; Joseph Boselovic
- 40-2 **Moving to the City: An Audit Study Examining the Consequences of Racial/Ethnic Discrimination on Residential Segregation**  
S. Michael Gaddis\*, Nicholas DiRago, University of California, Los Angeles; Raj Ghoshal, Elon University
- 40-3 **Housing the Homeless: The Effect of Housing Assistance on Recidivism to Homelessness, Economic, and Social Outcomes**  
Elior Cohen\*, UCLA - CCPR
- 40-4 **Rising Housing Costs and the Racial Wealth Gap**  
Joe LaBriola\*, University of California, Berkeley

## 41 Family Economic (Dis)Advantage and Child Outcomes

CHAIR: Regina Baker, University of Pennsylvania  
DISCUSSANT: Kristin Perkins, Georgetown University

1:00 PM-2:15 PM — Open Water

- 41-1 **Net Worth Poverty and Child Development: The Importance of Wealth**  
Lisa Gennetian; Christina Gibson-Davis\*, Duke University; Lisa Keister, Duke University; Santiago Deambrosi, Duke University
- 41-2 **Sibling Spillovers: Having an Academically Successful Older Sibling May Be More Important for Children in Disadvantaged Families**  
Emma Zang\*, Yale University; Poh Lin Tan, National University of Singapore; Philip Cook, Duke University
- 41-3 **Parental Bankruptcy and Child Well-being**  
Heather Rackin\*, Louisiana State University; Christina Gibson-Davis, Duke University
- 41-4

**"If You Need Help, I'll Help You, but I'm Not Going to Do It for You": How Parents Negotiate the Use of the Earned Income Tax Credit to Support Their Child's Transition to Adulthood**

Dylan Bellisle; Dylan Bellisle\*

**42 Union Dissolution Consequences**

*CHAIR: Adriana Reyes, Cornell University*

*DISCUSSANT: Susan Brown, Bowling Green State University*

*1:00 PM-2:15 PM — Open Water*

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- 42-1 **Union Dissolutions and Retirement Savings: Examining the Role of Children in Shaping Declining Savings After Separations and Divorces Among Canadian Men and Women**

*Maude Pugliese\*, Institut national de la recherche scientifique; David Pelletier, Institut national de la recherche scientifique; Celine Le Bourdais, McGill University*

- 42-2 **Cumulative Disadvantage or Equalization? The Consequences of Union Dissolution for Women's Living Standards**

*Bram Hogendoorn\**

- 42-3 **Educational Differences in the Economic Well-being of Divorced Mothers in Japan: The Roles of Employment History, Family Support, and Remarriage**

*James M Raymo\*, Princeton University; Jia Wang, University of Wisconsin-Madison*

- 42-4 **Gendered Effects of Parental Separation on Child Time Investments: A Longitudinal Time-Diary Approach**

*Pablo Gracia\*, Trinity College Dublin; Tomas Cano, University of Frankfurt*

**43 Delayed Fertility and Childlessness**

*CHAIR: Anna Rybińska, Duke University*

*DISCUSSANT: Jennifer Johnson-Hanks, University of California, Berkeley*

*1:00 PM-2:15 PM — Open Water*

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- 43-1 **Pathways to Nonparenthood: Insights From Qualitative Data**

*Holly Hummer\**

- 43-2 **Women's Educational Expansion and the Educational Gradient of Childlessness and Fertility**

*Federica Querin\*, Princeton University*

- 43-3 **The Early-Adulthood BMI and Later-Life Childlessness Connection: Operating Through Health, Mental Health, or Union Formation Pathways?**

*D. Susie Lee\*, Max Planck Institute for Demographic Research; Natalie Nitsche, Max Planck Institute for Demographic Research; Kieron Barclay, Max Planck Institute for Demographic Research*

- 43-4 **The Rising Importance of Noncognitive Abilities for Becoming Fathers: An Analysis on Swedish Data**

*Anne Boschni, Stockholm University; Lina Aldén\*, Linnaeus University; Marianne Sundstrom, Stockholm University*

**44 Determinants of Immigrant Fertility**

*CHAIR: Emilio Parrado, University of Pennsylvania*

*DISCUSSANT: Francesco Billari, Bocconi University*

*1:00 PM-2:15 PM — Open Water*

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- 44-1 **Variation in Family Size Among First-Generation Korean Immigrants in the United States: The Role of Assimilation and Selectivity**

*Jeongsoo Kim, University of Texas at San Antonio; Gabriela Sanchez-Soto\*, Rice University*

- 44-2 **Fertility of Filipino and Indonesian Migrant Workers in Hong Kong**

*Tim Liao\*, University of Illinois*

- 44-3 **Impact of Foreign Domestic Workers on the Fertility Decision in Households: Evidence From Hong Kong**

*Nobuyuki Nakamura\*, Aya Suzuki, The University of Tokyo*

- 44-4 **Too Early? Too Late? Migrants' and Natives' Ideal Timing of Fertility in Spain**

*Xiana Bueno, Centre d'Estudis Demogràfics; Mariona Lozano\*, Centre for Demographic Studies; Alicia Adsera, Princeton University*

## **45 Reproductive Autonomy**

*CHAIR: Leigh Senderowicz, University of Wisconsin–Madison*

*DISCUSSANT: May Sudhiraraset, UCLA Fielding School of Public Health*

**1:00 PM-2:15 PM — Open Water**

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- 45-1 **Unequal “Operations”: Female Sterilization and Social Disadvantage in India**  
Kanika Sharma\*
- 45-2 **Reproduction as the Privilege While Not Reproduction as the Rights: Values Underlying Low-Fertility Intentions in China**  
Yuchun Gao\*
- 45-3 **Gendered Power Dynamics and Threats to Sexual and Reproductive Autonomy Among Adolescent Girls and Young Adult Women**  
Michele Decker\*, Shannon Wood, Johns Hopkins Bloomberg School of Public Health; Meagan Byrne, Johns Hopkins Bloomberg School of Public Health; Nathalie N'dry, Association Ivoirienne pour le Bien-Etre Familial (AIBEF); Mary Thiongo, International Centre for Reproductive Health, Kenya; Peter Gichangi, International Centre for Reproductive Health-Kenya; Funmilola OlaOlorun, University of Ibadan, Ibadan, Nigeria; Alain Koffi, Johns Hopkins Bloomberg School of Public Health; Scott Radloff, Johns Hopkins Bloomberg School of Public Health; Amy Tsui, Johns Hopkins Bloomberg School of Public Health
- 45-4 **Trends and the Relationship Between Maternal Health and Empowerment in Pakistan, 2012–2018**  
Lindsay Mallick\*, University of Maryland; Rabia Zafar, National Institute of Population Studies; Christina Juan; Hanna Useem, The DHS Program (ICF)

## **46 Flash: Health Deficits and Disparities in a Global Perspective**

*CHAIR: Sangita Vyas, University of Texas at Austin*

**1:00 PM-2:15 PM — Open Water**

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- 46-1 **Impact of Pollution From Coal on the Anemic Status of Children and Women: Evidence From India**  
Nidhiya Menon\*, Brandeis University
- 46-2 **The Gendered Relationship Between Migration and Noncommunicable Disease Risk: Evidence From a Rural South African Population**  
Chantel Pheiffer\*, Brown University; Stephen McGarvey; Francesc Gomez-Olive, University of the Witwatersrand; Carren Ginsburg, University of the Witwatersrand; Mark Collinson, University of the Witwatersrand; Stephen Tollman, University of Witwatersrand; Michael White, Brown University
- 46-3 **The Effect of Education on Overall and Domain-Specific Cognitive Functioning Among Older Brazilians**  
Mateo Farina\*, University of Southern California; Joseph Saenz, University of Southern California
- 46-4 **Looking Beyond Averages: Quantile Regression Approach to Model Older-Adult Europeans’ Quality of Life**  
Elisa Cisotto\*, Free University of Bolzano-Bozen; Giulia Cavrini, Free University of Bolzano-Bozen
- 46-5 **Cross-Level Effects of Union Membership and Density on Depression in Europe**  
Megan Reynolds\*, University of Utah; Veerle Buffel, University of Antwerp
- 46-6 **Cardiovascular Health of Young Adults in the United States, Canada, and England**  
Melissa Martinson\*, University of Washington; Hazal Ercin; Nancy Reichman, Robert Wood Johnson Medical School
- 46-7 **Female Life Expectancy Trends for U.S. States and 16 Peer Countries, 1965–2016**  
Ryan Masters, University of Colorado Boulder; Zachary Cramer\*
- 46-8 **Life Expectancy Across Countries: Convergence, Divergence, and Fluctuations**  
Anna-Maria Aksan\*, Fairfield University; Shankha Chakraborty, University of Oregon

## **47 Education and Health Outcomes Among Immigrant Youth**

*CHAIR: Tatiana Padilla,*

*DISCUSSANT: Margot Jackson, Brown University*

*DISCUSSANT: Elizabeth Ackert, University of California, Santa Barbara*

**1:00 PM-2:15 PM — Open Water**

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- 47-1 **Stratified Liminal Legality: How Mode of Entry and Notions of Deservingness Stratify Experience of Illegality Among Diverse Undocumented Youth**  
Amy Hsin\*, Queens College, City University of New York; Sofya Aptekar, CUNY

- 47-2 **Safe-Zone Schools and the Schooling of Children in Mixed-Status Households**  
Catalina Amuedo-Dorantes, University of California, Merced; Jose Bucheli\*, New Mexico State University; Ana Martinez-Donate, Drexel University
- 47-3 **Best and Brightest? The Impact of Student Visa Restrictiveness on Who Attends College in the United States**  
Mingyu Chen\*; Jessica Howell, College Board; Jonathan Smith, Georgia State University
- 47-4 **The Kids Are (Not) Alright: Healthcare Access Before and After the Medical Expansion in 2016: An Analysis Using the California Health Interview Survey**  
Josefina Flores Morales\*, University of California, Los Angeles/ California Center for Population Research

## 48 New Data and Methods in Migration Research

CHAIR: Filiz Garip, Cornell University

DISCUSSANT: Emilio Zagheni, Max Planck Institute for Demographic Research

1:00 PM-2:15 PM — Open Water

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- 48-1 **An Evaluation of Geolocated Twitter Data for Measuring Human Migration**  
Junjun Yin\*, Pennsylvania State University; Yizhao Gao, University of Illinois at Urbana-Champaign; Guangqing Chi, Pennsylvania State University; Jennifer Van Hook, Pennsylvania State University
- 48-2 **Do Cash Transfers Promote Migration? Evidence From Rural Senegal**  
Sabrina Kouba\*, UNU-MERIT / Maastricht University; Bruno Martorano, UNU-MERIT / Maastricht University
- 48-3 **Understanding Immigrant Assimilation: An Ego-Centric Networks Approach**  
Claire Le Barbanchon\*, Duke University; Giovanna Merli, Duke University; Theodore Mouw, University of North Carolina at Chapel Hill
- 48-4 **Homeownership of Immigrants in France: Selection Effects Related to International Migration Flows**  
Laurent Gobillon, Paris School of Economics; Matthieu Solignac\*, Univ. Bordeaux; INED

## 49 Maternal Morbidity and Mortality

CHAIR: Rebecca Clark, Eunice Kennedy Shriver National Institute of Child Health and Human Development

DISCUSSANT: Patrice Sparks, University of Texas at San Antonio

1:00 PM-2:15 PM — Open Water

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- 49-1 **Corruption Kills: The Association Between Maternal Mortality and Corruption: Evidence From 16 Sub-Saharan African Countries**  
Veronica Toffolutti\*, Università Commerciale Luigi Bocconi; Eugenio Paglino; Alexander Kentikelenis, Bocconi University; Letizia Mencarini, Università Bocconi; Arnestein Aassve, Bocconi University
- 49-2 **Estimating Maternal Mortality Differentials Across Regions in Brazil**  
Bernardo Queiroz\*, CEDEPLAR; Marcia Castro, Harvard University; Rafaella Carnevali, Cedeplar - Federal University of Minas Gerais; Carlos Pinheiro, UFMG; Guilherme Fernandes, UFMG
- 49-3 **Reexamining Racial and Ethnic Disparities in Maternal Mortality in the United States Using Enhanced Vital Records**  
Marian MacDorman\*, University of Maryland; Marie Thoma, University of Maryland; Eugene Declercq, Boston University School of Public Health; Elizabeth Howell, University of Pennsylvania
- 49-4 **Severe Maternal Morbidity: Geographic Patterns, Hot Spots, and Cold Spots in the State of New Jersey**  
Felix Muchomba\*, Rutgers University; Julien Teitler, Columbia University; Lakota Kruse, New Jersey Department of Health; Nancy Reichman, Robert Wood Johnson Medical School

## 50 Flash: Race and Spatial Inequality

CHAIR: Alisson Barbieri, Universidade Federal de Minas Gerais (UFMG)

1:00 PM-2:15 PM — Open Water

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- 50-1 **Race/Ethnicity and Geographic Disparities in Learning-Adjusted Years of Schooling in the United States, 2009–2016**  
Hunter York\*, Princeton University
- 50-2 **The Spatial Hierarchy of the American Metropolis**  
J.S. Onésimo Sandoval\*

- 50-3 **Whites' Resource Hoarding in Metropolitan Areas: Measuring the "Relative Regional Burden" Black Jurisdictions Bear**  
Angela Simms\*, Ankit Rastogi, *University of Wisconsin-Madison*
- 50-4 **The Fiscal Demography of the United States**  
Zachary Parolin\*, *Columbia University*; Rourke O'Brien, *Yale University*
- 50-5 **White-Latino Residential Segregation in New Destinations: Identifying and Solving an Unrecognized Problem in Segregation Measurement**  
Mark Fossett\*, *Texas A&M University*; Amber Crowell, *California State University, Fresno*
- 50-6 **Operationalizing Gentrification**  
Charles Boynton\*, *Pennsylvania State University*
- 50-7 **Using Electronic Health Records to Estimate Spatial, Racial, and Socioeconomic Patterns in Healthcare Coverage Among Children in Durham County, NC**  
Allison Stolte\*, *Duke University*; Giovanna Merli, *Duke University*; Jillian Hurst, *Duke University*; Yaxing Liu, *Duke University*; Charles Wood, *Duke University*; Ben Goldstein, *Duke University*
- 50-8 **A Paradox in Homelessness: Why Black Communities Observe Lower Rates of Black Homelessness**  
Paul Muniz\*, *Bucknell University*; Sularys Contreras, *Bucknell University*; Clara Elpi, n/a; Mackenzie Majewski, n/a; Lindsey Schwalm, n/a

## **51 Invited: Inequalities in Health: Research from Canada and the United States**

*CHAIR: Sarah Brauner-Otto, McGill University*

*DISCUSSANT: Amelie Quesnel Vallee, McGill University*

**1:00 PM-2:15 PM — Open Water**

- 51-1 **A Comparative Analysis of Socioeconomic Disparities in Health in Canada and the United States**  
Ann Zajacova\*, *University of Western Ontario*
- 51-2 **Not Business as Usual: System Shock and the Well-Being of Canadian Workers During the COVID-19 Pandemic**  
Scott Schieman\*, *University of Toronto*
- 51-3 **COVID-19 Inequalities in Canada: Patterns and Mechanisms**  
Arjumand Siddiqi\*, *University of Toronto*
- 51-4 **Multiple Sources of Stress Exposure and Cardiovascular Disease Risk among Black Women: Ethnicity and Nativity Intersections**  
Christy Erving\*, *Vanderbilt University*

## **52 Invited: New Frontiers in Comparative Human and Animal Model Research on the Social Dimensions of Aging**

*CHAIR: Kathleen Mullan Harris, University of North Carolina at Chapel Hill*

*DISCUSSANT: Jenny Tung, Duke University*

**1:00 PM-2:15 PM — Open Water**

- 52-1 **Animal Aging in Nature and the Lab: Lessons for Humans**  
Shripad Tuljapurkar\*, *Stanford University*
- 52-2 **Modeling Time-Varying Effects of Early Life Adversity on Survival: Results from an Animal Model**  
Susan Alberts\*, *Duke University*
- 52-3 **A Tale of Two Disciplines: Primatology and Economics Researching Lifelong Human Health**  
Amanda Dettmer\*, *Yale University*
- 52-4 **Ecological Causes of Early Life Adversity and its Consequences in Wild Mammals**  
Ben Dantzer\*, *University of Michigan*

## **P2 - Applied Demography; Migration and Immigration; and Spatial and Environmental Demography**

- P2-1 **Factors Associated With Internal Migration at the Local Level in the United States**  
Ernesto Amaral\*, Texas A&M University; Shih-Keng Yen, Texas A&M University; Jingqiu Ren; Cynthia Luz Cisneros Franco
- P2-2 **Immigrant Generation, Race/Ethnicity, and Health Entering Midlife**  
Fatima Touma\*, University of North Carolina at Chapel Hill; Robert Hummer, Carolina Population Center
- P2-3 **Examining Effects of Predisposing, Enabling, Need, and Acculturation Variables Associated With Healthcare Access Among Chinese, Filipino, and Asian Indian American Subgroups**  
Hari Poudel\*, University of Missouri, Columbia; Mansoo Yu, University of Missouri
- P2-4 **Childhood Disability and Parental Nativity: Does an Immigrant Advantage Exist?**  
Natalie Young\*, U.S. Census Bureau
- P2-5 **Rational Fear or Coated Racism: Effect of International Students on Local Communities' Attitude Towards Immigration**  
Li Zhu\*, Cornell University
- P2-6 **Quality of Education in the Countries of Origin and Immigrant Youths' Academic Achievements in the United States**  
Po-Chun Huang\*, Institute for Demographic and Socioeconomic Research at UTSA
- P2-7 **Income Inequality Between South Asians and Local-born Chinese in Hong Kong**  
Shafei Gu\*, University of Hong Kong; Eric Fong, University of Hong Kong
- P2-8 **Utilization of Preventive Health Services Among Migrants in Italy: Factors of Inequality and Inequity**  
Stefania Rimoldi\*; Laura Terzera, University of Milano Bicocca
- P2-9 **Making Migration Sexy: Immigrants in Same-Sex Couples in the United States**  
Nathan Hoffmann, University of California, Los Angeles; Kristopher Velasco\*
- P2-10 **Migration Status and Parent-Child Discrepancies in Educational Expectations: Does Social Capital Matter?**  
Haoyang Zhang \*, Pennsylvania State University
- P2-11 **Bayesian Estimation of Internal Migration Flows in Italy Using Population Registers**  
Emanuela Furfaro\*, Federico Castelletti, Università Cattolica del Sacro Cuore; Adrian Raftery, University of Washington
- P2-12 **Migration and Ethnic-Racial Identity: Labor Market Integration of Immigrant Populations in Mexico**  
Nydia Navarrete Suárez\*, Colegio del Mexico
- P2-13 **Essential to Whom? Measuring the Well-being of Temporary Foreign Workers and Their Families During the Coronavirus Pandemic**  
Randall Kuhn, University of California-Los Angeles; Heidi West\*, University of California, Los Angeles; Abdur Razzaque, International Center for Diarrhoeal Disease Research; Alexander Lawton, UCLA; Shamim Hossain, International Center for Diarrhoeal Disease Research; A.H.M. Golam Mustafa, International Center for Diarrhoeal Disease Research
- P2-14 **Demarcation and Difference: Language and Racial Self-identity in Latin America**  
Andres Rodriguez-Caceres\*; Julia Behrman, Northwestern University
- P2-15 **Characteristics Associated With the Increase of English-Speaking Ability in the U.S. Foreign-born Population**  
Kurt Bauman, US Census Bureau; Sandy Dietrich\*, U.S. Census Bureau; Erik Hernandez, U.S. Census Bureau
- P2-16 **Low-Skilled Immigrants and the Relative Wages of High-Skilled Mothers**  
Eunhye Kwak\*
- P2-17 **New Gateways in Sweden? Secondary Migration and Employment Careers of Newly Arrived Migrants**  
Karen Haandrikman\*, Stockholm University; Charlotta Hedberg, Umeå University; Guilherme Kenji Chihaya, Umeå University
- P2-18 **Characterizing High-Skilled Mobility Patterns in Europe From Social Media**  
Daniela Perrotta\*; Diego Alburez-Gutierrez, Max Planck Institute for Demographic Research; Carlos Callejo Peñalba, Aalto University; Kiran Garimella; Tom Theile, Max Planck Institute for Demographic Research; Ingmar Weber, Qatar Computing Research Institute, HBKU; Emilio Zagheni, Max Planck Institute for Demographic Research
- P2-19 **Subjective Well-being of Natives and Immigrants in Europe: What Is the Role of the Neighborhood and of the Local Community?**  
Elena Ambrosetti\*, University La Sapienza; Angela Paparusso, Institute for Research on Population and Social Policies

- P2-20 **Immigrants Who Entered Italy Irregularly and Immigrants Who Entered Regularly: Which Trajectories of Integration?**  
Angela Paparusso\*, *Institute for Research on Population and Social Policies*; Mattia Vitiello, *Institute for Research on Population and Social Policies*
- P2-21 **Segmented Mobility in the Early Twentieth Century? An Assessment of Intergenerational Mobility Among Immigrant and U.S. Populations**  
Jennifer Lee\*; Christina Diaz, *University of Arizona*
- P2-22 **Family and Informal Child Care Choices: A Comparison Between Migrants and Nonmigrants in Italy**  
Eleonora Trappolini\*, *University of Milano-Bicocca*; Laura Terzera, *University of Milano-Bicocca*; Stefania Rimoldi; Elisa Barbiano di Belgiojoso
- P2-23 **A Longitudinal Perspective on Irregularity Among Immigrants in Belgium**  
Mireille Le Guen\*, *UCLouvain*; Louise Caron, *Institut National d'Études Démographiques (INED)*; Wanli Nie; Bruno Schoumaker, *Universite Catholique de Louvain*
- P2-24 **Monitoring the Venezuelan Exodus Through Facebook's Advertising Platform**  
Joao Palotti, *Massachusetts Institute of Technology*; Natalia Adler, *Pebble Analytics*; Alfredo Morales-Guzmann, *MIT*; Jeffrey Villaveces, *IMMAP*; Vedran Sekara, *IT University Copenhagen*; Manuel Garcia Herranz, *UNICEF*; Musa Al-Asad, *Global Protection Cluster*; Ingmar Weber\*, *Qatar Computing Research Institute, HBKU*
- P2-25 **Family Life Pathways and Labor Market Participation: Differences Across Migrant Generations, (Parents') Country of Birth, and Gender**  
Kenneth Wilk\*, *Statistics Norway, research department*; Janna Bergsvik, *Statistics Norway, Research Department*
- P2-26 **Partner Choice and Labor Market Outcomes Among the Descendants of Immigrants in Norway**  
Kenneth Wilk\*, *Statistics Norway, research department*
- P2-27 **Health Insurance Coverage Among the Foreign-born Following Affordable Care Act Implementation: Disparities by Migration Status**  
Claire Altman, *University of Missouri, Columbia*; James Bachmeier, *Temple University*; Cristal Hamilton\*, *University of Missouri*; Cody Spence, *Temple University*
- P2-28 **Inconsistent Condom Use Among Sexually Active Immigrant Youth in South Africa: Case Study of Hillbrow, Johannesburg**  
Nkechi Obisie-Nmehielle; Nkechi Obisie-Nmehielle\*; Ishmael Kalule-Sabiti, *North-West University, Mafikeng*
- P2-29 **How Experiences and Perceptions of Immigration Policies Shape Mental Health Among Day Laborers in the East Bay**  
Alein Haro\*, *University of California, Berkeley*
- P2-30 **Trajectories of Adaptation Over the Life Course: A Multidimensional Analysis for the Children of Immigrants**  
Eleonora Mussino, *Stockholm University*; Caroline Ugglå, *Stockholm University*; Ben Wilson\*, *Stockholm University*
- P2-31 **Unhealthy Sleep Assimilation**  
Luca Stella\*; Francesco Billari, *Bocconi University*; Osea Giuntella, *University of Pittsburgh*; Fabrizio Mazzonna, *University of Lugano*
- P2-32 **Fertility Differentials From Rural/Urban Migration in Brazil: An Analysis Using Cohort Fertility**  
Camila Soares\*, *IFCH/UNICAMP*; Everton Lima, *IFCH/UNICAMP*; Rosana Baeninger, *UNICAMP*
- P2-33 **Selection, Experience, and Disadvantage: Integrating Theories of Health Inequality Among U.S. Immigrants**  
Adrian Bacong\*, *California Center for Health Population Research f*; Heejoo Sohn, *Emory University*
- P2-34 **Immigrant Status and Oral Health Disparities Among Asians**  
Chengming Han\*
- P2-35 **Health Status of Refugee, U.S.-born and Immigrant Patients in a Public San Francisco Clinic, 2014–2017**  
Eva Raphael\*; Michelle Barton, *UCSF*; Rita Hamad, *UCSF*
- P2-36 **Are Muslim Immigrants Unassimilated? Cultural Assimilation Trajectories in Immigrants' Attitudes Toward Working Women**  
Ka U Ng\*
- P2-37 **Low Birth Weight of Immigrants in Spain: Beyond Healthy Immigrant Hypothesis**  
Mikolaj Stanek\*; Alberto del Rey, *University of Salamanca*; Miguel Requena, *Universidad Nacional de Educación a Distancia*; Jesús García-Gómez
- P2-38 **Effects of Violence on Internal Migration in Mexico: A Counterfactual Analysis for the Municipalities With High Levels of Homicides, 1995–2015**  
Oscar Rodríguez-Chávez\*

- P2-39 **Modeling International Migration Flows by Integrating Multiple Data Sources**  
Emanuele Del Fava\*, Max Planck Institute for Demographic Research; Arkadiusz Wiśniowski, University of Manchester; Emilio Zagheni, Max Planck Institute for Demographic Research
- P2-40 **Political Violence, Immigration Policy Restrictiveness, and Asylum-Seeking in Belgium, 1999–2013**  
Wanli Nie\*, Mireille Le Guen, UCLouvain; Louise Caron, Institut National d'Études Démographiques (INED); Bruno Schoumaker, Université Catholique de Louvain
- P2-41 **Health Status and Healthcare Utilization Among Migrants in Russia: Is There a Gender Gap?**  
Sandra Pellet\*; Marine de Talancé, Université Gustave Eiffel Marne la Vallée
- P2-42 **Does Air Pollution Affect the Settlement Intention of the Floating Population in China?**  
Xinxian Wang\*
- P2-43 **Understanding Livelihood Strategy in Rural India: Is MGNREGS (Mahatma Gandhi National Rural Employment Guarantee Act) Alternative or Complementary to Migration?**  
Nandan Kumar\*; Tanusree Dutta, International Institute for Population Sciences
- P2-44 **Social Cohesion and Illegal Psychoactive Drug Use Among Immigrants in California**  
Baksun Sung\*, Utah State University; Sojung Lim, Utah State University
- P2-45 **Social Exclusion and Perceived Discrimination of Project-Induced Migrants: A Gender Perspective**  
Yining Feng\*; Heather Randell, Pennsylvania State University; Guangqing Chi, Pennsylvania State University; Yang Wang, Wuhan University
- P2-46 **Nattering with the neighbors: Linguistic change in the Canadian Francophone community in the United States, 1910–1930**  
Evan Roberts\*, University of Minnesota
- P2-47 **Forced Return Migration and Crime: Evidence From El Salvador**  
Marcela Rubio\*
- P2-48 **Labor Force Participation Among Middle East/North Africa (MENA) Women in the United States: Exploring the Role of Ethnically Homogamous Relationships**  
Elwood Carlson, Florida State University; Elif Bulut\*, Florida State University
- P2-49 **A Comparative Analysis of Labor Force Participation of Women in the United States: Is There a Penalty for Co-Ethnic Marriage for New U.S. Ancestry Groups?**  
Elif Bulut, Florida State University; Elwood Carlson\*, Florida State University
- P2-50 **Stress and Allostatic Load Among Latinas/os: Evidence From the Hispanic Community Health Study/Study of Latinos**  
Michael Niño\*, Willamette University
- P2-51 **The Prevalence of Multimorbidity Among Foreign-born Adults in the United States**  
Rebecca Jones\*, Emory University; Lubaba Tasnim, Emory University; Solveig Cunningham, Emory University
- P2-52 **Refugees From the Land of Cotton: Lynching and the Great Migration**  
Julia Thomas\*, University of Wisconsin-Madison
- P2-53 **Trends in Internal Migration and Women's Empowerment in Pakistan, 2012–2018**  
Courtney Allen\*, The DHS Program, ICF; Aysha Sheraz, National Institute of Population Studies; Tesfayi Gebreselassie, ICF
- P2-54 **Immigrant Parents' Early Educational Investment in Their Children: Does Migration Selectivity Matter?**  
Sangyoo Lee\*, University of Minnesota
- P2-55 **Immigrants, Legal Status, and Illegal Trade**  
Brett McCully\*, University of California, Los Angeles
- P2-56 **Immigrants' Life Satisfaction in Europe: The Effect of Attitudes Toward Immigrants?**  
Michaela Sedovic\*
- P2-57 **Risk of COVID-19 Infection Among Refugees in Uganda: A Case Study of Nakivaale Refugee Camp**  
Elizabeth Nansubuga\*, Makerere University; Patricia Ndugga, Makerere University
- P2-58 **Local Nonfarm Job Versus Migration: Rural People's Livelihood Changes in China: A Gender and Life Course Perspective**  
Yuying Tong\*, Chinese University of Hong Kong

- P2-59 **Sanctuary Policy and Immigrant Interstate Mobility**  
Brittany Blizzard\*
- P2-60 **Adult Child Migration and Household Expenditures**  
Qingxiao Li\*
- P2-61 **Life Satisfaction of China's Migrants: Concerning the Two Dimensions of Hukou System and the Potential Institutional Stress**  
Wan Huang\*, Texas A&M University
- P2-62 **Institutional Pathways and Return Migration Among Skilled Migrants**  
Elizabeth Jacobs\*
- P2-63 **A Life Course Perspective on the Integration of Temporary and Permanent Migrants**  
Zhenxiang Chen\*, University of California, Los Angeles
- P2-64 **Seasonal Variation in Infant Mortality in India**  
Aashish Gupta\*, Population Studies Center, University of Pennsylvania
- P2-65 **Residential Segregation of Non-European Migrants: East and West Europe Compared Using Individualized Neighborhood Method**  
Martin Šimon; Ivana Krizkova\*
- P2-66 **Increasing Wildfires Are Associated With Higher Asthma Prevalence in Alaska, 2000–2019**  
Morrison Smith\*, Pennsylvania State University; Guangqing Chi, Pennsylvania State University
- P2-67 **The Influence of Built Environments Versus Natural Environments on the Body Mass Index Among Chinese Older Adults**  
Tingshuai Ge\*, Xi'an Jiaotong University; Quanbao Jiang, Xi'an Jiaotong University
- P2-68 **The Big (Genetic) Sort? Reassessing Migration Patterns and Their Genetic Imprint in the United Kingdom**  
Shiro Furuya\*, University of Wisconsin-Madison; Jason Fletcher, University of Wisconsin-Madison; Qiongshi Lu, University of Wisconsin-Madison
- P2-69 **Land Banking in Shrinking Cities: The Spatial Demography of Governing Abandoned Urban Neighborhoods in the United States**  
Nicholas DiRago\*, University of California, Los Angeles
- P2-70 **Memories, Fear, and Fertility: Long-Term Effects of Environmental Catastrophe on Childbearing Patterns in Belarus**  
Cynthia Buckley\*, University of Illinois, Urbana Champaign
- P2-71 **(Un)equally Prepared? Gender Differentials in Flood Preparedness in Brazil and Thailand**  
Raquel Guimaraes\*, Universidade Federal do Paraná; Raya Muttarak, International Institute for Applied Systems Analysis; Roman Hoffmann, Wittgenstein Centre for Demography and Global Human Capital; Gilvan Guedes, Universidade Federal de Minas Gerais (UFMG); Alisson Barbieri, Universidade Federal de Minas Gerais (UFMG)
- P2-72 **Associations Between Historic Redlining and Toxic Metal Exposures in Residents of the City of Detroit, Michigan, 2008–2012**  
Evans Lodge\*, University of North Carolina at Chapel Hill; Chantel Martin, University of North Carolina at Chapel Hill; Cherese Beatty, University of North Carolina at Chapel Hill; Allison Aiello, University of North Carolina at Chapel Hill
- P2-73 **Better to Grow up Poor in a Rich Place? Social Comparison, Neighborhood Deprivation, and Lives of English Teenagers**  
Franco Bonomi Bezzo\*, Institut National d'Études Démographiques (INED); Pieter Vanhuysse, SDU; Franco Bonomi Bezzo, Institut National d'Études Démographiques (INED)
- P2-74 **End of the Line: Impact of New Suburban Rail Stations on Housing Price**  
Rhea Acuña\*, Syracuse University
- P2-75 **How COVID-19 May Affect Population Distributions Across the U.S. States?**  
Leiwen Jiang\*, Population Council and Shanghai University; Hamidreza Zoraghein, University of Denver
- P2-76 **Under-5 Mortality (U5MR) by Districts of India: The Spatial and Environmental Analysis**  
Paradorn Wongchanapai\*, City University of New York
- P2-77 **Gender and Liquid Petroleum Gas (LPG) Use After Government Intervention in Rural North India**  
Sangita Vyas, University of Texas at Austin; Aashish Gupta, Population Studies Center, University of Pennsylvania; Nazar Khalid\*, University of Pennsylvania

- P2-78 **Water Toxins and Social Disparities in the Mississippi Delta Region**  
Rachel Rosenfeld\*, University of Wisconsin–Madison
- P2-79 **Effects of Armed Conflicts on Child Marriages: A Quantitative Assessment**  
Risha Singh\*, Jawaharlal Nehru University
- P2-80 **Place and Perception: Connections Between Activity Space and Beliefs in Chitwan, Nepal**  
Anna Shetler\*, Pennsylvania State University; Scott Yabiku, Pennsylvania State University
- P2-81 **On the Road Again? Climate Anomalies and Migration Trends in Indonesia**  
Yunlin Li\*, Katie McMahon, University of North Carolina-Chapel Hill; Bethany Stoutamire, University of North Carolina, Chapel Hill; Ann Suk
- P2-82 **Temperature, Humidity, and Human Fertility: Evidence From 58 Developing Countries**  
Michael Geruso, University of Texas at Austin; Melissa LoPalo\*, Montana State University; Dean Spears, University of Texas at Austin
- P2-83 **Residential Segregation and Urban Space: A Study on Kolkata, India, 1971–2011**  
Devarupa Gupta\*, International Institute for Population Sciences
- P2-84 **Rural-Urban Differentials in the Prevalence and Factors of Depression Status in South Africa**  
Juliana Onuh; Peter Mbah, University of Nigeria Nsukka; Chukwuedozie Ajaero\*, University of Nigeria, Nsukka & University of the Witwatersrand; Charles Orjiakor, University of Nigeria Nsukka; Emeka Igboeli, University of Nigeria Nsukka; Chijioke Ayogu, University of Nigeria Nsukka
- P2-85 **Educational Differences in Cycling: Evidence From German Cities**  
Ansgar Hudde\*, University of Cologne, Institute of Sociology and Social Psychology (ISS)
- P2-86 **Daily Dynamics of Income and Racial Spatial Segregation in U.S. Cities**  
Cody Reed\*
- P2-87 **Geographic Isolation and Flood-Related Vulnerability in Peru**  
Hugh Roland\*, University of Wisconsin–Madison; Kristen Malecki; Katherine Curtis, University of Wisconsin–Madison
- P2-88 **Identifying Underutilized Data Sources to Research the Effect of Place and Policies on Immigrant Health**  
Chenoa Allen\*, University of Missouri
- P2-89 **Examining the Link Between Distances From Local Food Centers and Child Health in Tanzania**  
Oforiwa Pee Agyei-Boakye\*, University of Minnesota-Twin Cities
- P2-90 **Do Immigrants in Rural America Lag Behind? A Look at Inter- and Intra-Economic Inequalities by Metropolitan Status in the United States**  
Rachel Sparkman\*, Florida State University; Kathryn Tillman, Florida State University
- P2-91 **Healthcare Bypass and the Correlates of Place**  
Jorden Jackson\*; Michael R Cope, Brigham Young University; Scott Sanders, Brigham Young University; Hayley Pierce, Brigham Young University
- P2-92 **Residential Attainment of Self-employed Asian Immigrants Across Urban American Settlement Destinations**  
Wendie Choudary\*, University at Albany, SUNY
- P2-93 **The Potential Impacts of Differential Privacy on New Net Migration Estimates**  
Richelle Winkler, Michigan Technological University; Jaclyn Butler\*, Pennsylvania State University; Katherine Curtis, University of Wisconsin–Madison; David Egan-Robertson, University of Wisconsin-Madison
- P2-94 **The Unfolding of Climate Injustice: Projections of Social Inequalities as a Result of Climate Change in the United States**  
Mathew Hauer\*, Florida State University; R.Kyle Saunders; Daniel Shtob, CUNY - Brooklyn College
- P2-95 **Inversions in Close U.S. Presidential Elections, 1836–2016**  
Michael Geruso, University of Texas at Austin; Dean Spears\*, University of Texas at Austin; Ishaana Talesara
- P2-96 **Projections of Demand for Care Among People Aged 65 and Over: Microsimulation Approach**  
Wojciech Łątkowski\*, Szkoła Główna Handlowa w Warszawie
- P2-97 **Forecasting Prevalence of Alzheimer's Disease and Related Dementias Using the McKendrick-von Foerster's Model**  
Igor Akushevich, Duke University; Arseniy Yashkin, Duke University; Julia Kravchenko, Duke University School of Medicine; Konstantin Arbeev\*, Duke University; Bill Wroblewski, Duke University; Anatoliy Yashin, Duke University
- P2-98 **Labor Force Participation in the Twenty-First Century**  
Aditi Singh\*

## **53 Cross-National Comparisons of Aging**

*CHAIR: Neil Mehta, University of Texas Medical Branch at Galveston*

*DISCUSSANT: Jinkook Lee, University of Southern California*

*DISCUSSANT: Rebeca Wong, University of Texas Medical Branch*

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- 53-1 Socioeconomic Inequalities in Frailty Distribution: A Cross-National Comparison of the United States and England**

*Rachel Wilkie\*, Jennifer Ailshire, University of Southern California*

- 53-2 When More Is Not Better: Number of Children and Health Among Older Adults in 20 Countries**

*Radosław Antczak\*, SGH Warsaw School of Economics; Nekehia Quashie, TU Dortmund University; Bruno Arpino, University of Florence; Christine Mair, University of Maryland, Baltimore County*

- 53-3 His Intentions, Her Intentions: Marital Histories and Retirement Intentions Among European Parents**

*Younga Kim\**

- 53-4 How Do Elderly People Spend Their Time? Gender Gaps and Educational Gradients in Time Use in East Asian and Western Countries**

*Man Yee Kan\*, University of Oxford; Muzhi ZHOU, University of Oxford; Kamila Kolpashnikova, University of Oxford; Ekaterina Hertog; Shohei Yoda, National Institute of Population and Social Security Research; Jiweon Jun, Seoul National University*

## **54 Health in Later Life: Patterns and Pathways**

*CHAIR: Heide Jackson, University of Maryland*

*DISCUSSANT: Michal Engelmaier, University of Wisconsin-Madison*

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- 54-1 Life Course Trajectories of Subjective Health: Testing Longitudinal Models for Self-rated Health From Adolescence to Midlife**

*Iliya Gutin\*, University of North Carolina at Chapel Hill; Kenneth Bollen, University of North Carolina at Chapel Hill*

- 54-2 Health Selection or Health Causation? Gender and the Causal Connection Between Livelihoods and Health**

*Erin Ice\*, University of Michigan; Sanyu Mojola, Princeton University; Nicole Angotti, American University; Brian Houle, The Australian National University; Francesc Gomez-Olive, University of the Witwatersrand*

- 54-3 Rural/Urban Dwelling Across the Life-Course and Late-Life Cognitive Ability in Mexico**

*Joseph Saenz\*, University of Southern California; Brian Dwyer, University of Texas Medical Branch; Marc Garcia, University of Nebraska-Lincoln; Rebeca Wong, University of Texas Medical Branch*

- XX-X Spacing Critical Events and Life Satisfaction**

*Chiara Ludovica Comolli\*, University of Lausanne; Danilo Bolano, University of Lausanne; Laura Bernardi, University of Lausanne; Marieke Voorpostel, FORS*

## **55 Racial and Ethnic Variation in the Determinants of Child Well-being**

*CHAIR: Peter Rich, Cornell University*

*DISCUSSANT: Chantal Hailey, University of Texas*

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- 55-1 The Efficacy of Cash Supports for Children by Race and Family Size: Understanding Disparities and Opportunities for Equity**

*Megan Curran\**

- 55-2 Childhood Family Instability and Union Formation During Early Adulthood**

*Deirdre Bloome\*, University of Michigan; Paula Fomby, University of Michigan; Yang Zhang, University of Michigan*

- 55-3 Long-Term Trends and Ethnoracial Inequality in Substitute Care of U.S. Children**

*Alexander Roehrkasse\*, Duke University*

- 55-4 Language, Literacy, and Executive Functions Mediate Sociodemographic Disparities in Bidirectional Math and Science Achievement: A Random Effects Cross-Lagged Panel Analysis of Between- and Within-Person Relationships**

## **56 Applied Bayesian Demography**

*CHAIR: Monica Alexander, University of Toronto*

*DISCUSSANT: Carl Schmertmann, Florida State University*

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- 56-1 **Using Multilevel Regression With Post-Stratification to Estimate Subnational Age-Specific Contact Patterns**  
*Casey Breen\*, University of California, Berkeley; Dennis Feehan, University of California, Berkeley; Ayesha Mahmud, University of California, Berkeley*
- 56-2 **Indirect Estimation of Mortality Schedule From Summary Birth History: A Singular Value Decomposition-Based Bayesian Approach**  
*Yue Chu\*, Ohio State University; Samuel Clark, The Ohio State University*
- 56-3 **Spatial Point Process Models for Population Estimation and Mapping**  
*Warren Jochem\*, University of Southampton; Andrew Tatem, University of Southampton*
- 56-4 **A New Model for Small Area Estimation, With Application to Subnational Under-5 Mortality Risk Estimation in Low- and Middle-Income Countries**  
*Jon Wakefield\*, University of Washington; Jessica Godwin, University of Washington; Zehang Li; Yunhan Wu, University of Washington*

## **57 Families, Social Class, and Intergenerational Mobility**

*CHAIR: Jayanti Owens, Brown University*

*DISCUSSANT: Lauren Gaydosh, Vanderbilt University*

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- 57-1 **Multidimensional Intergenerational Mobility**  
*Jason Fletcher, University of Wisconsin - Madison; Katie Jajtner\*, University of Wisconsin-Madison*
- 57-2 **Socioeconomic Background and Gene-Environment Interplay in Social Stratification Across the Early-Life Course**  
*Jani Erola\*, University of Turku; Hannu Lehti, University of Turku; Tina Baier; Aleksi Karhula, University of Turku*
- 57-3 **Family and Education at a Crossroads: First Gen Latinx College Student Experiences at an Elite Public University**  
*Maria Romo-Gonzalez\*, University of California, Berkeley; Mao-Mei Liu, University of California, Berkeley*
- 57-4 **Early Cohabitation and Educational Attainment in Young Adulthood**  
*Fenaba Addo\*, University of North Carolina at Chapel Hill; Sharon Sassler, Cornell University; Yiling Zhang, University of Wisconsin-Madison*

## **58 Poverty and Social Policy**

*CHAIR: Christopher Wimer, Columbia University*

*DISCUSSANT: Maggie Thomas, Columbia University*

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- 58-1 **The Role of State-Level Policies in Promoting Economic Well-being**  
*Sarah Gold\*, Princeton University; Alexandra Haralampoudis*
- 58-2 **Social Safety Nets and Spatial Predation: How State Welfare Environments Shape High-Interest Lender Geography**  
*Megan Bea\*, University of Wisconsin-Madison; Mariana Amorim, Washington State University; Terri Friedline, University of Michigan*
- 58-3 **Effects of Welfare Reform on Food Insecurity Across Generations**  
*Hope Corman\*, Rider University; Dhaval Dave, Bentley University; Ofira Schwartz-Soicher, Princeton University; Nancy Reichman, Robert Wood Johnson Medical School*
- 58-4 **Do Federal Place-Based Policies Improve Economic Opportunity in Rural Communities?**  
*Emily Parker\*, Cornell University; Laura Tach, Cornell University; Cassandra Robertson, Cornell University*

## **59 Families and Public Policy**

**CHAIR:** Allison Dwyer Emory, University at Buffalo

**DISCUSSANT:** Lenna Nepomnyaschy, Rutgers School of Social Work

**DISCUSSANT:** Wade Jacobson, University of Maryland

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- 59-1 **Measuring Family Policy Indicators and the Effects on Women's Labor Force Outcomes**  
Brigid Cotter\*
- 59-2 **Quasi-Experimental Evidence on the Effects of Expanding Temporary Assistance for Needy Families (TANF) Cash Assistance**  
Matthew Freedman, University of California Irvine; Yoonjung Kim\*
- 59-3 **Silenced: Consequences of the Nuisance Property Ordinances**  
Aria Golestan\*
- 59-4 **Intrahousehold Property Ownership and Children's Outcomes in China**  
Emma Zang, Yale University; Qinyou Hu\*, Rice University; Zitong Wang, The Chinese University of Hong Kong

## **60 Flash: Families and Time Use**

**CHAIR:** Claire Kamp Dush, University of Minnesota

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- 60-1 **Gender Gaps in Child and Adolescent Time Use: A Cross-National Comparison**  
Pablo Gracia\*, Trinity College Dublin; Joan Garcia Roman, Centre d'Estudis Demogràfics; Tomi Oinas, University of Jyväskylä; Timo Anttila, University of Jyväskylä
- 60-2 **Time Use Activities and Mental Health of Adolescent Girls and Boys in India**  
Nancy Luke, Pennsylvania State University; Ashley Larsen Gibby\*, Penn State University
- 60-3 **Time Spent With Caregivers and Adolescent Stress: A Biosocial Approach**  
Kammi Schmeer\*, The Ohio State University; Jake Tarrence, The Ohio State University; Christopher Browning, The Ohio State University; Jodi Ford, Ohio State University; Ashley Ostroot, The Ohio State University
- 60-4 **Inequality in Parental Time With Children: Trends by Gender and Education Between 1961–2011 Across 20 Countries**  
Nicoletta Balbo\*, Bocconi University; Alessandra Casarico, Bocconi University; Alessandro Sommacal, University of Verona; Erim Altintas, Oxford University
- 60-5 **Parental Time Investments in Children Through Childhood**  
Jocelyn Wikle\*, Brigham Young University; Clara Wilson, Brigham Young University
- 60-6 **Mothers' Time Use: Marital Status, Everyday Time Allocation, and Experiences of Stress in Sweden, 1990–1991 to 2010–2011**  
Maria Stanfors\*, Lund University
- 60-7 **Gender Differences in Response to a Paid Parental Leave Policy: A Sequence Analysis of Administrative Time-Keeping Records**  
Julia Goodman, OHSU-PSU School of Public Health; Lisset Dumet Poma\*; David Hurtado, OHSU-PSU School of Public Health; Anna Steeves-Reece, OHSU-PSU School of Public Health; Dawn Richardson, OHSU-PSU School of Public Health
- 60-8 **Growing Old Together: Shared Time and Well-being Among Older Adults in Sweden, 2000–2001 to 2010–2011**  
Jeffrey Neilson\*, Lund University; Maria Stanfors, Lund University

## **61 Understanding Contraceptive Behavior in Low- and Middle-Income Countries**

**CHAIR:** Katherine Tumlinson, University of North Carolina at Chapel Hill

**DISCUSSANT:** Nadia Diamond-Smith, University of California, San Francisco

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- 61-1 **Using Structural Equation Models to Examine the Association Between Family Planning Social Norms and Modern Contraceptive Use in Nigeria**  
Mahua Mandal\*, University of North Carolina-Chapel Hill; Lisa Calhoun, Carolina Population Center; Courtney McGuire, University of North Carolina at Chapel Hill; Ilene Speizer, University of North Carolina at Chapel Hill

**61-2 Individual and Facility-Level Factors Associated With the Receipt of Immediate Postpartum Family Planning Services in Ethiopia**

Alexandria Mickler\*, Johns Hopkins University; Celia Karp, Johns Hopkins Bloomberg School of Public Health; Saifuddin Ahmed, Johns Hopkins Bloomberg School of Public Health; Mahari Gidey; Assefa Seme Deresse, Addis Ababa University; Solomon Shiferaw, Addis Ababa University; Linnea Zimmerman, Johns Hopkins Bloomberg School of Public Health

**61-3 Prevalence and Characteristics of Covert Use of Contraception Across Four Performance Monitoring for Action (PMA) Sites**

Elizabeth Gummerson\*, Dana Sarnak, Johns Hopkins Bloomberg School of Public Health; Shannon Wood, Johns Hopkins Bloomberg School of Public Health; Simon Kibira, Makerere University, School of Public Health; Funmilola OlaOlorun, University of Ibadan, Ibadan, Nigeria; Philip Anglewicz, Johns Hopkins University

**62 Assessing Fertility Transitions and Variations for Programmatic Implications**

*CHAIR: John Bongaarts, Population Council*

*DISCUSSANT: Vladimira Kantorova, United Nations*

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**62-1 Interregional Variations of Fertility Contours in India: A Multilevel Modelling Approach**

Saswata Ghosh\*, IDSK - INDIA

**62-2 The Limits (and Human Costs) of Population Policy: Fertility Decline and Sex Selection in China Under Mao**

Kimberly Babiarz\*, Paul Ma, University of Minnesota; Grant Miller, Stanford University; Shige Song, Queens College, CUNY

**62-3 A Complete Picture of the Mexican Fertility Transition**

Roxana Ivette Arana Ovalle\*, University of Montreal; Lisa Dillon, Universite de Montreal; Francisco Zamudio, Universidad Autónoma Chapingo; Alejandro Murua, Université de Montréal

**62-4 Differences in the Trajectory of Contraceptive Prevalence Rates Between Nigeria and Malawi: Some Determinants and Possible Explanations**

Jacob Adetunji\*, U.S. Agency for International Development

**63 Policy Responses to Low Fertility**

*CHAIR: Francesco Billari, Bocconi University*

*DISCUSSANT: Léa Pessin, Pennsylvania State University*

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**63-1 Economic Uncertainty and Couples' Fertility Intentions in Italy and Norway**

Trude Lappégaard\*, University of Oslo; Axel Kristensen; Lars Dommermuth, Statistics Norway; Daniele Vignoli, University of Florence; Alessandra Minello, University of Florence

**63-2 Baby Boom or Bust? Cash Transfers and Fertility: Evidence From Poland's "Family 500+" Policy**

Anna Bokun\*, University of Minnesota-Twin Cities

**63-3 Baby Bonus, Fertility, and Missing Women**

Wookun Kim\*, Southern Methodist University

**63-4 The Contribution of Assisted Reproductive Technologies (ART) to Total Fertility Rates and Birth Timing: An Analysis of Australian Data**

Ester Lazzari\*, The Australian National University; Edith Gray, Australian National University; Georgina Chambers, The University of New South Wales

**64 Demographic Perspectives on Chronic Pain and Opioids**

*CHAIR: Hanna Grol-Prokopczyk, University at Buffalo, SUNY*

*DISCUSSANT: Zachary Zimmer, Mount Saint Vincent University*

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**64-1 The Rise in Pain in the United States, 1997–2018: An Age-Period-Cohort Analysis**

Terresa Eun\*

**64-2 Gender and Racial/Ethnic Disparities in Pain Trajectories Among Aging Americans**

Sadaf Milani\*, The University of Texas Medical Branch at Galveston; Bret Howrey, University of Texas Medical Branch; Mukaila Raji, University of Texas Medical Branch; Abbey Berenson, University of Texas Medical Branch; Yong-Fang Kuo, University of Texas Medical Branch; Rebeca Wong, University of Texas Medical Branch

- 64-3 **The Socioeconomic Status Gradient in Pain: A Cross-Country Analysis**  
Enrica Croda\*
- 64-4 **Geographic Variation in Opioid Risk Factors Between High- and Low-Prescribing Regions**  
William Kazanis\*; Patrice Sparks, *University of Texas at San Antonio*

## **65 Smoking, Health, and Mortality**

*CHAIR: Joseph Lariscy, University of Memphis*  
*DISCUSSANT: Lucie Kalousova, University of California, Riverside*

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- 65-1 **Transitions to Adulthood and Health Behaviors**  
Elizabeth Lawrence\*, *University of Nevada, Las Vegas*
- 65-2 **Estimating Cigarette and E-Cigarette Demand and Substitution: An Economic Model of Nicotine Demand**  
Dean Lillard\*, *The Ohio State University*; Peter Nencka, *Miami University of Ohio*
- 65-3 **A Multilevel Analysis of Racial Segregation and Maternal Smoking During Pregnancy in Texas, 2010–2015**  
Sarah Sharmin\*, *The University of Texas at San Antonio*; Corey Sparks, *University of Texas - San Antonio*
- 65-4 **Medical Marijuana and Site of Death: Evidence From the National Vital Statistics Mortality Data**  
Divya Bhagianadh\*; Kanika Arora, *University of Iowa*

## **66 Using Place to Understand Race/Ethnicity and Racialization**

*CHAIR: Margaret Hicken, University of Michigan*  
*DISCUSSANT: Latrica Best, University of Louisville*  
*DISCUSSANT: Adriana Reyes, Cornell University*

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- 66-1 **The Intersection of Time and Place: Cohort Patterns and Regional Differences in Obesity Among Blacks and Whites, 1976–2018**  
Liying Luo, *The Pennsylvania State University*; Emma Zang, *Yale University*; Jiahui Xu\*
- 66-2 **Race and Low Birth Weight Across California Census Tracts: Assessing Spatial Variation**  
Natasha Erickson\*, *University of Oregon*
- 66-3 **Whither Weathering? The Variable Significance of Age in Black-White Low Birth Weight Disparities**  
Nicholas Mark\*, *New York University*
- 66-4 **Racial and Regional Mortality Inequalities in Israel**  
Ameed Saabneh\*, *University of Haifa*

## **67 Natural Disasters and Migration in the United States**

*CHAIR: Lori Hunter, University of Colorado Boulder*  
*DISCUSSANT: Alexis Santos-Lozada, Pennsylvania State University*

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- 67-1 **The Effects of Wildfire Damage on Migration Patterns in the United States**  
Kathryn McConnell\*, *Yale University*; Elizabeth Fussell, *Brown University*; Jack DeWaard, *University of Minnesota, Twin Cities*; Stephan Whitaker, *Federal Reserve Bank of Cleveland*; Katherine Curtis, *University of Wisconsin-Madison*; Kobie Price, *University of Minnesota*; Lise St. Denis, *University of Colorado Boulder*; Jennifer Balch, *University of Colorado Boulder*
- 67-2 **Assessing Migration After Natural Disaster: A Housing Capacity Search Model**  
Ethan Sharygin\*, *Portland State University*
- 67-3 **Estimating Short- and Long-Term Effects on Population Change Resulting From Hurricane Exposure in U.S. Counties, 1970–2018**  
Sara Curran\*, *University of Washington*; Janna Johnson, *Humphrey School of Public Affairs*
- 67-4 **Mobile Capital, Natural Assets, and Differential Environmental Migration in the U.S. Gulf Coast**  
Katherine Curtis\*, *University of Wisconsin-Madison*; Dominic Parker, *University of Wisconsin-Madison*; Jack DeWaard, *University of Minnesota, Twin Cities*; Elizabeth Fussell, *Brown University*

## **68 Access and Quality of Care in Neonatal Health**

*CHAIR: Sneha Mani, University of Pennsylvania*

*DISCUSSANT: Mai Do, Tulane University School of Public Health*

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### **68-1 Saving Neonatal Lives for a Quarter**

*Christine Valente\*, Hans Sievertsen, University of Bristol; Mahesh Puri, Center for Research on Environment Health and Population Activities*

### **68-2 Excess Neonatal Mortality Among Private Facility Births in North India**

*Diane Coffey\*, Population Research Center; Nikhil Srivastav, r.i.c.e., a research institute for compassionate economics; Aditi Priya, LEAD at Krea University; Asmita Verma; Dean Spears, University of Texas at Austin*

### **68-3 The Influence of Separating Newborns From Mothers and Maternal Consent for Care on Satisfaction and Postpartum Practices: Findings From a Longitudinal Survey in Kenya**

*Michelle Nakphong\*, Emma Sacks, Johns Hopkins University; James Opot, Innovations for Poverty Action; May Sudhiraraset, UCLA Fielding School of Public Health*

### **68-4 Socioeconomic and Geographic Disparities in the Availability of Neonatal Intensive Care at Birth and the Effects on Infant Health Outcomes**

*Benjamin Sosnaud\*, Trinity University; Gabriella Garriga, Trinity University*

## **69 Flash: Race and Economic Inequality**

*CHAIR: Sung Park, Harvard University*

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### **69-1 Attributing Racial Motivations to Employee Referrals**

*Fabiana Silva\**

### **69-2 Is the Tech Industry Becoming More Inclusive? Tech Firm Diversity Patterns in the 10 Largest Tech Markets, 2008–2016**

*JooHee Han\*, University of Oslo; Donald Tomaskovic-Devey, University of Massachusetts Amherst*

### **69-3 Race, Income, and Liquid Wealth: A Two-Stage Analysis of Sustainable Homeownership**

*chunhui ren\**

### **69-4 Minimum Wage Policies and Racial Inequality**

*Sharada Dharmasankar\*, Hoyoung Yoo*

### **69-5 Does Skin Color Affect Educational and Labor Market Outcomes in the United States?**

*Mauricio Bucca\*, Cornell University*

### **69-6 Education-Occupation Mismatch and Social Networks for Hispanics in the United States: Role of Citizenship**

*Kusum Mundra\*, Rutgers University Newark; Fernando Rios-Avila, Levy Institute*

## **70 Invited: Forced Migration Research: From Theory to Practice in Promoting Migrant Well-being, With a Focus on the Impact of the COVID-19 Pandemic**

*CHAIR: Holly Reed, CUNY Institute for Demographic Research*

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### **70-1 Issues and Innovations in Population Data Collection and Measurement: Registration and Administrative Data**

*Sarah Staveteig Ford\*, U.S. Department of State*

### **70-2 Issues and Innovations in Population Data Collection and Measurement: Survey Data**

*Gabriela Sanchez-Soto\*, Rice University*

### **70-3 Issues in Research Design and Analysis of Migrant Integration: Displacement Under a Population Lens**

*Fernando Riosmena\*, University of Colorado Boulder*

### **70-4 Issues in Research Design and Analysis of Migrant Integration: Resiliency of the Vietnamese Community After Katrina**

*Mark VanLandingham\*, Tulane University*

70-5 **Future Directions for Research and Practice**  
Katharine Donato\*, Georgetown University

70-6 **Critical Next Steps During and After the Pandemic**  
Ellen Kraly\*, Colgate University

## 71 Biodemography of Aging and the Life Course

*CHAIR: Y. Claire Yang, University of North Carolina at Chapel Hill*

*DISCUSSANT: Ryan Masters, University of Colorado Boulder*

**4:00 PM-5:15 PM — Open Water**

71-1 **Who Makes It to the Frontier of Survival? Another Look at the Plasticity of Human Aging**  
Jesus-Adrian Alvarez\*, Interdisciplinary Centre on Population Dynamics, University of Southern Denmark; Anthony Medford, University of Southern Denmark; Cosmo Strozza, University of Southern Denmark

71-2 **Evaluating Trends in Incidence of Alzheimer's Disease Using Biodemographic Models of Health and Aging**  
Konstantin Arbeev\*, Duke University; Olivia Bagley, Duke University; Igor Akushevich, Duke University; Arseniy Yashkin, Duke University; Hongzhe Duan, Duke University; Svetlana Uknaintseva, Duke University; Anatoliy Yashin, Duke University

71-3 **Modeling Biological Age and Its Link With the Aging Process**  
Hiram Beltrán-Sánchez\*, University of California, Los Angeles; Yiyue Huangfu, University of Wisconsin-Madison; Mary McEniry, University of Wisconsin-Madison; Alberto Palloni, University of Wisconsin-Madison

71-4 **Racial and Ethnic Disparities in Kidney Functioning Among Older Adults in the United States: Health and Retirement Study**  
Erfei Zhao\*, Margarita Osuna; Jennifer Ailshire, University of Southern California; Jung Ki Kim; Eileen Crimmins, University of Southern California

## 72 Racial Disparities in Aging: Patterns and Determinants

*CHAIR: Courtney Boen, University of Pennsylvania*

*DISCUSSANT: Alexis Dennis, University of North Carolina at Chapel Hill*

**4:00 PM-5:15 PM — Open Water**

72-1 **Losing Partners as a Process: A Matching Study on the Long-Term Economic Consequences of Widowhood**  
Zachary Van Winkle\*, University of Oxford; Thomas Leopold, University of Cologne

72-2 **Sibling Deaths Across Mid- to Late Life, Racial Disadvantage, and Dementia**  
Hyungmin Cha\*, University of Texas at Austin; Patricia Thomas, Purdue University; Debra Umberson, University of Texas at Austin

72-3 **Assessing the Role of Neighborhood Characteristics and Psychosocial Mediators in the Disablement Process in Diverse Midlife and Older Adults**  
Amy Thierry\*, Xavier University of Louisiana; Tuate Dambo, Xavier University of Louisiana; Linda Wray, Pennsylvania State University

72-4 **Racial/Ethnic Differences in Real-Time Social Contact and Health: Findings From the Chicago Health and Activity Space in Real-Time (CHART) Study**  
Alyssa Goldman\*, Boston College; Erin York Cornwell, Cornell University

## 73 Period and Cohort Effects on Child/Adolescent Health and Adjustment

*CHAIR: Juli Simon Thomas, The MITRE Corporation*

*DISCUSSANT: Margot Jackson, Brown University*

**4:00 PM-5:15 PM — Open Water**

73-1 **Unstable Childhoods: The Prevalence of Childhood Family, Economic, and Residential Instability Across Two U.S. Cohorts**  
Jake Hays\*, The Ohio State University; Kammi Schmeer, The Ohio State University

73-2 **Age, Period, and Cohort Patterns in the Use of Drugs With Elevated Overdose Risk in the United States, 1979–2018**  
Kira England\*, Ashton Verdery, Penn State; Liying Luo, Pennsylvania State University; Shannon Monnat, Syracuse University

73-3 **Growth Faltering in the United States, 1897–2014**  
Evan Roberts\*, University of Minnesota

- 73-4 **Long-Term and Intergenerational Impacts of Quasi-Random Child Health and Family Planning Program in Bangladesh on Health and Human Capital**  
Tania Barham, University of Colorado Boulder; Gisella Kagy\*, Vassar College; Brach Champion, University of Colorado Boulder; Jena Hamadani, icddr,b

## 74 Flash: Consequences of COVID-19

CHAIR: Marcia Castro, Harvard University

4:00 PM-5:15 PM — Open Water

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- 74-1 **The Shadow Pandemic: COVID-19 and Violence Against Adolescent Girls in Low- and Middle-Income Countries**  
Sarah Baird\*, George Washington University; Manisha Shah, University of California, Los Angeles
- 74-2 **Socioeconomic Impacts of the COVID-19 Pandemic in India**  
Arunika Agarwal, Harvard School of Public Health; Marco Angrisani, University of Southern California; David Bloom, Harvard School of Public Health; Jinkook Lee, University of Southern California; Simone Schaner\*, University of Southern California
- 74-3 **Precarity and Exclusion: Informality and Pandemic's Urban Challenge**  
Pallavi Choudhuri\*, National Council of Applied Economic Research; Santanu Pramanik, National Council of Applied Economic Research; Sonalde Desai, University of Maryland
- 74-4 **Impact of COVID-19 Pandemic on Household Income and Food Insecurity in 4 Countries**  
Elizabeth Gummerson\*; Carolina Cardona, Johns Hopkins Bloomberg School of Public Health; Philip Anglewicz, Johns Hopkins University; Blake Zachary; Georges Guiella, University of Montreal; Scott Radloff
- 74-5 **It Takes a Village—Response to COVID-19 in Low-Income Countries and Its Implications for Public Health and Social Policies**  
Iliana Kohler\*, University of Pennsylvania-Population Studies Center; Fabrice Kaempfen, University of Pennsylvania-Population Studies Center; Alberto Ciancio, University of Pennsylvania; James Mwera, Invest in Knowledge Initiative (IKI), Malawi; Victor Mwapasa, College of Medicine, Malawi; Hans-Peter Kohler, University of Pennsylvania
- 74-6 **Sociodemographic Inequality in Exposure to COVID-19-Induced Economic Hardship in the United Kingdom**  
Dirk Witteveen\*, University of Oxford, Nuffield College
- 74-7 **Economic Well-being of Families During the COVID-19 Pandemic: Findings From the Household Pulse Survey**  
Daniel Perez-Lopez\*, US Census Bureau

## 75 Education-Related Inequalities: K-12, College, and the World of Work

CHAIR: Gabriela Sanchez-Soto, Rice University

DISCUSSANT: Amanda Bosky, University of Wisconsin-Madison

4:00 PM-5:15 PM — Open Water

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- 75-1 **Prize or Penalty? The Reputational Effects of Diversity Scholarships in the Labor Market**  
Janet Xu\*, Princeton University
- 75-2 **Are Racial/Ethnic PhD Holders Disadvantaged? Assessing Promotional (Dis)advantages Among University Faculty Members**  
Scott Tuttle\*, University of Kansas; ChangHwan Kim, University of Kansas
- 75-3 **Investment Strategies in Children's College Education: Characteristics and Underlying Mechanisms**  
Kimberly Goyette\*, Yongai Jin, Renmin University of China; Yu Xie, Princeton University
- 75-4 **Double Jeopardy: Teacher Biases, Racialized Organizations, and the Production of Racial Disparities in School Discipline**  
Jayanti Owens\*, Brown University

## 76 Poverty and Economic Security

CHAIR: Natasha Pilkauskas, University of Michigan

DISCUSSANT: Megan Curran,

4:00 PM-5:15 PM — Open Water

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- 76-1 **Avoiding Material Hardship: The Buffer Function of Wealth**

**Richard Rodems\***, University of Michigan; **Fabian Pfeffer**, University of Michigan

- 76-2 **Schedule Unpredictability and the Use of High-Cost Financial Services: The Case of Service Workers**  
Mariana Amorim\*, Washington State University; Daniel Schneider, University of California, Berkeley
- 76-3 **SNAP Work Requirement and Food Insecurity**  
Debasmita Das\*
- 76-4 **Poverty and Employer Power: The Effect of Poverty on the Mobility of Low-Wage Workers**  
Michael Schultz\*, University of Texas at Austin

## **77 Family Change in Comparative Perspective**

**CHAIR:** Luca Maria Pesando, Department of Sociology and Centre on Population Dynamics, McGill University  
**DISCUSSANT:** Ariane Ophir, University of Wisconsin–Madison

**4:00 PM-5:15 PM — Open Water**

- 77-1 **The Rise of Sonless Families in Asia and North Africa**  
Roshan Pandian\*, Grinnell College; Keera Allendorf, Indiana University
- 77-2 **Rising Global Levels of Intergenerational Coresidence Among Young Adults**  
Albert Esteve-Palos\*, Centre d'Estudis Demografics; David Reher, Universidad Complutense de Madrid
- 77-3 **The Changing Polygyny-Fertility Association in Sub-Saharan Africa**  
Sophia Chae\*, University of Montreal; Victor Agadjanian, University of California Los Angeles
- 77-4 **Living Arrangement and Chronic Loneliness at Older Ages: A Comparative Study in Europe**  
Shiro Furuya\*, University of Wisconsin-Madison; James M Raymo, Princeton University; Ryohei Mogi, Centre d'Estudis Demogràfics

## **78 New Methods in Family Demography**

**CHAIR:** Mine Kühn, Max Planck Institute for Demographic Research

**DISCUSSANT:** Sarah Patterson, University of Michigan

**4:00 PM-5:15 PM — Open Water**

- 78-1 **Gestational Age and Siblings' Literacy: Spillover Effects in the Family**  
David Mallinson\*, University of Wisconsin–Madison; Felix Elwert, University of Wisconsin-Madison; Deborah Ehrenthal, University of Wisconsin–Madison
- 78-2 **Quasi-Experimental Approach to Life Course Events: Zooming in on Happiness Over the Transition to Parenthood**  
Ansgar Hudde\*, University of Cologne, Institute of Sociology and Social Psychology (ISS)
- 78-3 **Demographic Change and Development From Crowdsourced Genealogies in Early Modern Europe**  
Guillaume Blanc\*, Brown University
- 78-4 **A Practical Revealed Preference Model for Separating Preferences and Availability Effects in Marriage Formation**  
Shuchi Goyal\*, Mark Handcock, University of California; Fiona Yeung; Heide Jackson, University of Maryland; Michael Rendall, University of Maryland-College Park

## **79 Childbearing Postponement and Low Fertility**

**CHAIR:** Joeun Kim, Pennsylvania State University

**DISCUSSANT:** Stuart Gietel-Basten, Hong Kong University of Science and Technology

**4:00 PM-5:15 PM — Open Water**

- 79-1 **Pathways Into Childbearing Delay of Men and Women in Australia**  
Ester Lazzari\*, The Australian National University
- 79-2 **Changes in Partnering and First Birth Risks in Finland, 2000–2018**  
Julia Hellstrand\*, Jessica Nisén, Max Planck Institute for Demographic Research; Mikko Myrskyla, Max Planck Institute for Demographic Research
- 79-3 **Childbearing Consequences of a Stratified Housing System in South Korea**  
Jeongsoo Kim, University of Texas at San Antonio; Corey Sparks\*, University of Texas - San Antonio

79-4	<b>Total Number of Births Shrinking Faster Than Fertility Rates: Long-Term Effect of Declining Cohort Size in South Korea</b> <i>Sam Hyun Yoo*, Hanyang University</i>
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## **80 Menstrual Health and Reproductive Behaviors**

*CHAIR: Amelia Mackenzie, FHI 360*

*DISCUSSANT: Simon Kibira, Makerere University School of Public Health*

**4:00 PM-5:15 PM — Open Water**

80-1	<b>Menstrual-Cycle Tracking Apps and Pregnancy Prevention</b> <i>Bryndl Hohmann-Marriott*, University of Otago; Laura Starling, University of Otago</i>
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80-2	<b>Premature and Early Menopause in Low- and Middle-Income Countries</b>
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*Tiziana Leone, London School of Economics; Laura Brown, LSE; Alison Gemmill\*, Johns Hopkins Bloomberg School of Public Health*

80-3	<b>Menstrual Regulation: Incidence, Methods, and Sources of This Understudied Health Practice in Three Settings</b>
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*Suzanne Bell\*, Johns Hopkins Bloomberg School of Public Health; Mridula Shankar, Johns Hopkins Bloomberg School of Public Health; Funmilola OlaOlorun, University of Ibadan, Ibadan, Nigeria; Elizabeth Omoluabi, CRERD; Anoop Khanna, Indian Institute of Health Management Research; Danish Ahmad, Indian Institute of Health Management Research; Georges Guiella, Institut Supérieur des Sciences de la Population (ISSP), Université of Ouagadougou; Caroline Moreau, INSERM/INED and Johns Hopkins School of Public Health*

80-4	<b>Reaching Women at Work: Improving Reproductive Health Knowledge and Outcomes for Female Factory Workers Through Workplace Programs in Bangladesh: Results From Difference-and-Differences Analyses</b>
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*Md. Irfan Hossain, Population Council; Sara Chace Dwyer\*; Ashish Bajracharya, Population Council; Aparna Jain, Population Council*

## **81 Quality of Family Planning and Reproductive Health Programs**

*CHAIR: Lindsay Mallick, University of Maryland*

*DISCUSSANT: Mai Do, Tulane University School of Public Health*

**4:00 PM-5:15 PM — Open Water**

81-1	<b>Informal Payments for Family Planning: Prevalence and Perspectives of Women, Providers, and Health Sector Key Informants in Western Kenya</b>
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*Katherine Tumlinson\*, University of North Carolina at Chapel Hill; Laura Britton, Columbia University; Caitlin Williams, University of North Carolina-Chapel Hill; Deborah Wambua, Innovations for Poverty Action-Kenya; Dickens Onyango, Kisumu County Health Department*

81-2	<b>The Know-Do Gap: Understanding and Improving Family Planning Service Quality Among Pharmacies Providing Injectable Contraceptives in Nepal</b>
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*Sujan Karki\*, Abt Associates; Margaret Chappell, Abt Associates; Sarah Bradley, Abt Associates*

81-3	<b>Conceptualizing and Measuring Client Experience of Abortion Care in Nigeria</b>
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*Mridula Shankar\*, Johns Hopkins Bloomberg School of Public Health; Suzanne Bell, Johns Hopkins Bloomberg School of Public Health; Funmilola OlaOlorun, University of Ibadan, Ibadan, Nigeria; Elizabeth Omoluabi, CRERD; Caroline Moreau, INSERM/INED and Johns Hopkins School of Public Health*

81-4	<b>Association of the Delaware Contraceptive Access Now (DelCAN) Initiative With Postpartum Long-Acting Reversible Contraception Use</b>
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*Monica Caudillo, University of Maryland; Constanza Hurtado\*, University of Maryland; Michael Rendall, University of Maryland-College Park; Michel Boudreux, University of Maryland*

## **82 Health Disparities in a Global Context**

*CHAIR: Aashish Gupta, Population Studies Center, University of Pennsylvania*

*DISCUSSANT: Diane Coffey, Population Research Center*

*DISCUSSANT: Cameron Campbell, The Hong Kong University of Science and Technology*

**4:00 PM-5:15 PM — Open Water**

82-1	<b>Blood Pressure Control Among Old Indians: Trends and Disparity</b>
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*Jinkook Lee\*, University of Southern California; Erik Meijer, University of Southern California; Jenny Wilkens, Gateway to Global Aging Data; Perry Hu, University of California, Los Angeles*

82-2	<b>Social Health Insurance Program Consolidation and Urban-Rural Inequality in China</b>
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- 82-3 **Intergenerational Persistence in Maternal Bereavement**  
Frances Lu, *UCSD*; Tom Vogl\*, *University of Texas at Austin*
- 82-4 **Long-Term Effects of Social Insurance on Adult Mortality: Evidence From Three Social Programs in Mexico**  
Emma Aguila, *University of Southern California*; William Dow, *University of California-Berkeley*; Susan Parker\*, *University of Maryland*

## **83 Place and Health in Europe: Looking Across and Within Countries**

*CHAIR:* Margaret Hicken, *University of Michigan*

*DISCUSSANT:* Lindsay Kobayashi, *University of Michigan*

**4:00 PM-5:15 PM — Open Water**

- 83-1 **Visualizing Late-Life Depression Prevalence With a Cohort-Based Age-Period-Cohort Model: Analysis of Six European Countries, 2004–2017**  
Octavio Bramajo\*
- 83-2 **An Urban-Rural Old-Age Mortality Crossover: Evidence From Germany and England and Wales**  
Marcus Ebeling\*, *Max Planck Institute for Demographic Research*; Roland Rau, *University of Rostock*; Eva Kibele, *Statistical Office Bremen*; Sebastian Kluesener, *Federal Institute for Population Research*
- 83-3 **Regional Disparities in Healthy Life Expectancies in Spain: How Much Is Explained by Differences in Health Expenditures?**  
Elisenda Renteria\*, *Centre d'Estudis Demogràfics*; Pilar Zueras, *University of Essex*
- 83-4 **Regional Mortality Convergence in Reunified Germany Explained**  
Rok Hrzic\*, *Maastricht University*; Tobias Vogt, *University of Groningen*; Helmut Brand, *Maastricht University*; Fanny Janssen, *University of Groningen*

## **84 Origin and Contextual Influences on Migration-Climate Connections**

*CHAIR:* Uriel Lomeli-Carrillo, *University of Texas at San Antonio*

*DISCUSSANT:* Jack DeWaard, *University of Minnesota, Twin Cities*

**4:00 PM-5:15 PM — Open Water**

- 84-1 **Agricultural Livelihoods and Environmental Migration in Sub-Saharan Drylands: A Meta-Analytic Review**  
Roman Hoffmann, *Wittgenstein Centre for Demography and Global Human Capital*; Charlotte Wiederkehr\*, *Helmholtz Centre for Environmental Research (UFZ)*; Kathleen Hermans, *Helmholtz Centre for Environmental Research (UFZ)*; Anna Dimitrova, *International Institute for Applied Systems Analysis*
- 84-2 **Climate-Induced Migration and Unemployment in Middle-Income Africa**  
Valerie Mueller\*, *Arizona State University*; Clark Gray, *University of North Carolina at Chapel Hill*; Douglas Hopping, *University of North Carolina at Chapel Hill*
- 84-3 **Left Home High and Dry: Reduced Migration in Response to Repeated Droughts in Thailand and Vietnam**  
Esteban Quiñones\*, *Mathematica*; Sabine Liebenehm, *University of Saskatchewan*; Rasadhika Sharma, *Leibniz University Hannover*
- 84-4 **Migration, Environmental Change, and Land in Bangladesh**  
Katharine Donato\*, *Georgetown University*; Amanda Carrico, *University of Colorado - Boulder*

## **85 Global Perspectives on Aging**

*CHAIR:* Leafia Ye, *University of Wisconsin-Madison*

*DISCUSSANT:* Sung Park, *Harvard University*

**4:00 PM-5:15 PM — Open Water**

- 85-1 **Age of Migration and the Health Status of Older Latinos: Findings From the Health and Retirement Study**  
Marc Garcia\*, *University of Nebraska-Lincoln*; Blakelee Kemp, *University of Nebraska-Lincoln*
- 85-2 **Food Insecurity Among Older Adults in the Cape Area of South Africa**  
Nadia Flores-Yeffal\*, *Texas Tech University*; Charlotte Dunham, *Texas Tech University*
- 85-3 **The Feminization of Labor Migration and Its Implications for Parental Well-being: Evidence From Indonesia**  
Sneha Kumar\*, *Cornell University*
- 85-4 **Children's Migration and Parental Health in Urban China**

## 86 Lifespan Inequalities Around the Globe

CHAIR: Andrea Nigri, Sapienza, University of Rome

DISCUSSANT: Marília Nepomuceno, Max Planck Institute for Demographic Research

4:00 PM-5:15 PM — Open Water

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### 86-1 Prioritizing Global Health Issues Leveraging Demographic Analysis

Christina Bohk-Ewald\*, University of Helsinki; Peng Li, Max Planck Institute for Demographic Research; Mikko Myrskyla, Max Planck Institute for Demographic Research

### 86-2 Height, Weight, and Life Expectancy: Evidence From Latin America and the Caribbean

Mary McEniry\*, University of Wisconsin-Madison; Alberto Palloni, University of Wisconsin-Madison; Yiyue Huangfu, University of Wisconsin-Madison; Hiram Beltrán-Sánchez, University of California, Los Angeles

### 86-3 Urban-Rural Lifespan Disparity and Cause-Specific Contribution: Evidence From China

Mengxue Chen\*, Australian National University; Vladimir Canudas-Romo, Australian National University

### 86-4 Life Span Inequality During the Unfolding Counter-Epidemiological Transition in Rural South Africa, 1994–2018

Brian Houle\*, The Australian National University; Chodziwadziwa Kabudula, University of the Witwatersrand; Sanyu Mojola, Princeton University; Nicole Angotti, American University; Francesc Gomez-Olive, University of the Witwatersrand; Samuel Clark, The Ohio State University; Vladimir Canudas-Romo, Australian National University

## 87 Racism, Xenophobia, and Nativism

CHAIR: Michael Esposito, University of Michigan

DISCUSSANT: Carmen Gutierrez, University of North Carolina at Chapel Hill

4:00 PM-5:15 PM — Open Water

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### 87-1 Police Killings of Civilians: Implications From Court-Ordered Hiring Quotas

Robynn Cox, University of Southern California; Jamein Cunningham, University of Memphis; Alberto Ortega\*

### 87-2 Context of Backlash: Where and Among Whom Does Demographic Change Provoke Anti-Immigration Attitudes?

Christopher Maggio\*

### 87-3 Conflict or Consensus Over Ethnic Boundaries? The Case of Bolivia

Maria Unzueta\*, Princeton University

### 87-4 The Birth (Weight) of a Nation: Racism and U.S. Population Health in the Trump Era

Carmen Gutierrez\*, University of North Carolina at Chapel Hill; Nathan Dollar, University of North Carolina at Chapel Hill

## 88 Invited: Open-Source Demography

CHAIR: Collin McCarter, Trellance, Inc.

DISCUSSANT: Mathew Hauer, Florida State University

4:00 PM-5:15 PM — Open Water

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### 88-1 Open Demography Beyond The States: The Role of Institutions

Mario Marazzi\*, Puerto Rico Institute of Statistics (formerly)

### 88-2 How to Effectively use U.S. Census Data as a Developer: CitySDK, Slack, API

Logan Powell\*, U.S. Census Bureau

### 88-3 Open Sourcing Your Research: The Ultimate Methods Section

Hannah Recht\*, Kaiser Health News

### 88-4 Spatial Demography with Open-Source Software

Kyle Walker\*, Texas Christian University

# MEETING THURSDAY PROGRAM

THURSDAY, MAY 6

## 89 Environmental Influences on Aging

CHAIR: Jeffrey Morenoff, University of Michigan

DISCUSSANT: Ashton Verdery, Penn State

9:15 AM-10:30 AM — Open Water

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### 89-1 Educational Disparities in Cognitive Function and Cognitive Decline: Mediated by Social Networks

Max Coleman\*, Indiana University Bloomington; Adam Roth, Indiana University Bloomington; Siyun Peng, Indiana University Bloomington; Brea Perry, Indiana University Bloomington; Mohit Manchella, Indiana University Bloomington

### 89-2 Dementia and Cognitive Decline in Older Adulthood: Are Agricultural Workers at Greater Risk?

Kanika Arora\*, College of Public Health, University of Iowa; Lili Xu, College of Public Health, University of Iowa; Divya Bhagianadhi

### 89-3 How Do Neighborhood Conditions Shape the Stability of Personal Networks of Older Adults?

Alyssa Goldman\*, Boston College; Benjamin Cornwell, Cornell University; Erin York Cornwell, Cornell University

### 89-4 Environmental Effects on Aging in a Middle-Income Context: Neighborhood, Housing, and Well-being Among Older Adults in Colombia

Margarita Osuna\*; Angela Jaramillo, Universidad Javeriana; Jennifer Ailshire, University of Southern California

## 90 Neighborhoods, Health, and Well-being in Later Life

CHAIR: Catherine Garcia, University of Southern California

DISCUSSANT: Jacqueline Torres, University of California, San Francisco

9:15 AM-10:30 AM — Open Water

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### 90-1 Perceived Neighborhood Characteristics and Cognitive Functioning Among Diverse Older Adults: An Intersectional Approach

Amy Thierry\*, Xavier University of Louisiana; Kyler Sherman-Wilkins, Missouri State University; Marina Armendariz, Pennsylvania State University; Allison Sullivan, Xavier University of Louisiana; Heather Farmer

### 90-2 Multiple Vulnerabilities: The Effects of Neighborhood Structural Changes Upon Older Residents' Mental Health and Perceptions of the Broader Community

Jason Settels\*, University of Luxembourg

### 90-3 Social Inequality and Daily Mobility Among Older Adults: Evidence From the Chicago Health and Activity Space in Real-Time (CHART) Study

Erin York Cornwell\*, Cornell University; Kate Cagney, University of Chicago; Alyssa Goldman, Boston College

### 90-4 What Predicts How Safe People Feel in Their Neighborhoods and Does It Depend on Functional Status?

Alfredo Velasquez\*, Chapman University; Jason Douglas, Chapman University ; Jennifer Robinette

## 91 Social Stress and the Health of Children and Adolescents

CHAIR: Brandon Wagner, Texas Tech University

DISCUSSANT: Sarah Gold, Princeton University

9:15 AM-10:30 AM — Open Water

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### 91-1 Parents' Precarious Work Schedules and Children's Asthma Management

Kelly Quinn, University of California, Berkeley; Daniel Schneider\*, University of California, Berkeley; Katerine Perez, University of California, Berkeley

### 91-2 Unemployment Among Separated Mothers and Children's Mental Health Trajectories

Mine Kühn, Max Planck Institute for Demographic Research; Anna Baranowska-Rataj\*, Umeå University; Niina Metsä-Simola, University of Helsinki; Liina Junna, University of Helsinki; Pekka Martikainen, University of Helsinki

### 91-3 Mothers' Exposure to Hurricane Katrina and Adolescent Children's Mental Health 12 Years Later

Meghan Zacher\*, Brown University; Monica Arkin, University of Massachusetts, Boston; Jean Rhodes, University of Massachusetts, Boston; Sarah Lowe, Yale School of Public Health

### 91-4 Long-Term Health Effects for Children Exposed to the Post-Reunification Economic Crisis in East Germany

## 92 Debate and Innovation in Global Population and Health Methods and Metrics

CHAIR: Yue Chu, Ohio State University

DISCUSSANT: Jon Wakefield, University of Washington

9:15 AM-10:30 AM — Open Water

- 92-1 **Uncertain Population Futures: Critical Reflections on the Institute for Health Metrics and Evaluation (IHME) Scenarios of Future Fertility, Mortality, Migration, and Population Trends, 2017–2100**  
Stuart Gietel-Basten\*, Hong Kong University of Science and Technology; Tomas Sobotka, Vienna Institute of Demography / Wittgenstein Centre

- 92-2 **Estimating Demographic and Global Health Indicators for Multiple Countries and Periods in the Context of Missing Data and Data Quality Issues: Introducing a Class of Temporal Models for Multiple Populations to Facilitate Model Comparison**  
Herbert Susmann\*, University of Massachusetts Amherst; Monica Alexander, University of Toronto; Leontine Alkema, University of Massachusetts Amherst

- 92-3 **Using Vital Registration Data for Estimating Under-5 Mortality in Low- and Middle-Income Countries**  
Andrea Verhulst\*, University of Pennsylvania; Julio Romero Prieto, London School of Hygiene & Tropical Medicine; Michel Guillot, University of Pennsylvania and INED

- 92-4 **G-Computation for Decomposing Population Health Disparities: 3-Way Effect Decomposition With a New R Package Multimed**  
Nick Graetz\*, University of Pennsylvania; Xi Song, University of Pennsylvania

## 93 Family and Work: Work Schedules, Schedule Control, and Gender Inequality at Work and Home

CHAIR: Jennifer Hook, University of Southern California

DISCUSSANT: Heejung Chung, University of Kent

9:15 AM-10:30 AM — Open Water

- 93-1 **Trends in Mothers' Work Schedules, 1989–2017**  
Alejandra Pilarz\*, University of Wisconsin-Madison; Anna Walther, University of Wisconsin-Madison
- 93-2 **Gender Differences in Telecommuting and Implications for Inequality at Home and Work**  
Thomas Lyttelton\*, Yale University; Emma Zang, Yale University; Kelly Musick, Cornell University
- 93-3 **The Gendered Use of Temporal Autonomy: How Men and Women Use Their Time Depending on Whether They Can Shape It**  
Jeanne Ganault\*, CREST/OSC SciencesPo
- 93-4 **Flexibility of Working Time Arrangements and Female Labor Market Outcomes**  
Iga Magda\*, Warsaw School of Economics

## 94 Wealth and Debt Disparities

CHAIR: Youngmin Yi, Cornell University

DISCUSSANT: Michelle Maroto, University of Alberta

9:15 AM-10:30 AM — Open Water

- 94-1 **Wealth Begins at Home: The GI Bill of 1944 and the Making of the Racial Wealth Gap in Homeownership**  
Chinyere Agbai\*, Brown University
- 94-2 **Maternal Wealth Implications of Child Incarceration**  
Brielle Bryan\*, Rice University; Hira Farooqi, Rice University
- 94-3 **Pensions Rights, Employment, and the Gender Wealth Gap**  
Eva Sierminska, LISER; Markus Grabka, DIW; Karla Cordova\*
- 94-4 **The Effects of State-Level Medicaid Coverage on Family Wealth**  
Margot Jackson\*, Brown University; Chinyere Agbai, Brown University; Emily Rauscher, Brown University

## **95 Intergenerational and Comparative Perspectives on Work and Family**

*CHAIR: Patrick Ishizuka, Washington University in St. Louis*

*DISCUSSANT: Léa Pessin, Pennsylvania State University*

**9:15 AM-10:30 AM — Open Water**

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- 95-1 The Child Penalty in Same-Sex and Different-Sex Couples in Sweden, Norway, Denmark, and Finland**  
Marie Evertsson\*, Ylva Moberg, Stockholm University; Maaike van der Vleuten, Stockholm University

- 95-2 Transition to Grandparenthood and Early Retirement: Interdependencies of Life Domains Across Generations**  
Danilo Bolano\*, University of Lausanne; Laura Bernardi, University of Lausanne

- 95-3 Do Cohabitors Work and Earn Like Married or Single Individuals?**  
Alicia Adsera\*, Princeton University; Federica Querin, Princeton University

- 95-4 Children's Sex Composition and Mothers' Labor Outcomes in Mexico: Exploring Potential Associations in a Context With Low Female Labor Force Participation**  
Aida Villanueva\*, University of Massachusetts, Amherst

## **96 Access to Medication Abortion**

*CHAIR: Ushma Upadhyay, University of California, San Francisco*

*DISCUSSANT: Terri-Ann Thompson,*

**9:15 AM-10:30 AM — Open Water**

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- 96-1 Treading the Thin Line: Pharmacy Perspectives on Medication Abortion in Lusaka, Zambia**  
Katharine Footman\*, Nachelwa Chelwa, Population Council Zambia; Megan Douthwaite, MSI; James Mdala, Marie Stopes Zambia; Drosin Mulenga, Population Council Zambia; Caila Brander, Population Council Zambia; Kathryn Church, MSI

- 96-2 The Economic Context of Choosing Online Medication Abortion in the United States**  
Dana Johnson\*, Melissa Madera, The University of Texas at Austin; Abigail R.A. Aiken, The University of Texas at Austin

- 96-3 Methods Women Use for Induced Abortion and Sources of Service: Insights From Poor Urban Settlements of Accra, Ghana**  
Caesar Agula\*, Regional Institute for Population Studies (RIPS), University of Ghana; Elizabeth Henry, Harvard T.H. Chan School of Public Health; Patrick Asuming, University of Ghana; Charles Asabere, Regional Institute for Population Studies (RIPS), University of Ghana; Mawuli Kushitor, University of Ghana; David Canning, Harvard T.H. Chan School of Public Health; Iqbal Shah, Harvard T.H. Chan School of Public Health; Ayaga Bawah, University of Ghana

- 96-4 Knowledge of and Experience With Self-managed Medication Abortion Among U.S.- and Mexican-born Women Seeking Abortion at Three Texas Clinics**  
Kathleen Broussard\*, The University of Texas at Austin; Abigail Aiken, University of Texas at Austin

## **97 International Intervention to Improve Women's Sexual Health—Experimental Evidence**

*CHAIR: Saumya Ramarao, Population Council*

*DISCUSSANT: Rebecca Simmons,*

**9:15 AM-10:30 AM — Open Water**

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- 97-1 The Early Impact of the Global Gag Rule on Women's Contraceptive Use and Reproductive Health Outcomes in Ethiopia**  
Elizabeth Sully\*, Guttmacher Institute; Assefa Seme Deresse, Addis Ababa University; Solomon Shiferaw, Addis Ababa University; Suzanne Bell, Johns Hopkins Bloomberg School of Public Health; Margaret Giorgio, Guttmacher Institute

- 97-2 Effect of Pregnancy Tests on Demand for Family Planning: Evidence From a Randomized Controlled Trial in Uganda**  
Akito Kamei\*, University of Illinois Urbana-Champaign; Rebecca Thornton, University of Illinois; Ryoko Sato, Harvard T.H. Chan School of Public Health

- 97-3 Effects of ARCHES Kenya on Reproductive Health, Reproductive Autonomy, and Gender-Based Violence Among Women and Girls Seeking Family Planning Counseling in Kenya**  
Jay Silverman\*, University of California, San Diego; Jasmine Uysal; Chi-Chi Undie, Population Council; Wilson Liambila, Population Council; Seri Wendoh, IPPF; Nicole Carter, UCSD; Nicole Johns, University of California, San Diego; Kate Gray, IPPF

## **98 Infectious Disease and Reproductive Health**

*CHAIR: Sara Yeatman, University of Colorado Denver*

*DISCUSSANT: Jessica Islam, University of North Carolina at Chapel Hill*

**9:15 AM-10:30 AM — Open Water**

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**98-1 Fertility Trends in Sub-Saharan Africa: Has HIV Contributed to Fertility Stalls?**

*David Sanchez Paez\*, Université catholique de Louvain; Bruno Schoumaker, Université Catholique de Louvain*

**98-2 Maternal Exposure to the Zika Epidemic: Impacts on Birth Weight and Preterm Birth in Brazil**

*Molly Dondero\*, American University; Letícia Martelete, University of Texas at Austin; Gilvan Guedes, Universidade Federal de Minas Gerais; Laís Picinini Freitas, Oswaldo Cruz Foundation*

**98-3 Uncertainty About Childbearing and Contraception Amid Successive Infectious Disease Outbreaks**

*Letícia Martelete\*, University of Texas at Austin; Molly Dondero, American University; Alexandre Gori Maia, University of Campinas*

**98-4 Living With Uncertainty: Family and Reproductive Ideation and Practices During COVID-19 "Safer-at-Home" Orders**

*Kelsey Wright\*, University of Wisconsin-Madison*

## **99 Biomarker Applications to Population Health Research**

*CHAIR: Michael McFarland, Florida State University*

*DISCUSSANT: David Braudt, University of North Carolina at Chapel Hill*

**9:15 AM-10:30 AM — Open Water**

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**99-1 Leveraging Biosignals and Surveys to Understand Health Dynamics: A Case Study of Socializing and Emotional Affect in Real Time**

*Amy Zhang\*, University of Texas at Austin; Bridget Goosby, University of Texas at Austin; Jacob Cheadle, University of Texas*

**99-2 The Pace of Cardiometabolic Risk Aging Among Older Americans: Findings From the Health and Retirement Study**

*Qiao Wu\*; Jung Ki Kim, University of Southern California; Jennifer Ailshire, University of Southern California; Eileen Crimmins, University of Southern California*

**99-3 Long-Term Social Isolation and Health: Epigenetic Methylation of Immune Genes**

*Brandt Levitt\**

**99-4 Longitudinal Assessment of Methylation Profiles in a Multiethnic Population of Children and Adolescents**

*Colter Mitchell\*, University of Michigan; Jonah Fisher, University of Michigan; Jessica Faul, University of Michigan; Erin Ware, University of Michigan; Lisa Schnepf, Princeton University; John Dou, University of Michigan; Kelly Bakulski, University of Michigan; Daniel Notterman, Princeton University*

## **100 The Demography of Race and Racism in the American Past**

*CHAIR: Trevon Logan, Ohio State University*

*DISCUSSANT: Bernardo Queiroz, CEDEPLAR*

*DISCUSSANT: Aesha Martinez-Cardoso, University of Chicago*

**9:15 AM-10:30 AM — Open Water**

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**100-1 Child Mortality and Racial Residential Segregation at the Turn of the Twentieth Century**

*J'Mag Karbeah\*; J. David Hacker, University of Minnesota*

**100-2 Early Public Housing Project Siting and Racial Segregation in U.S. Cities**

*Ryan Allen\*, University of Minnesota; David Van Riper, Minnesota Population Center, University of Minnesota; Catalina Anampa Castro; Corissa Marson, University of Minnesota*

**100-3 Origins, Perseverance, and Consequences of Segregation Academies in Mississippi: 1954 to Present**

*Kayla Kemp\**

**100-4 California's Twentieth Century Eugenic Sterilization Program: Patterns of Coercive Sterilization Among Asian Immigrants**

*Marie Kaniecki\*; Nicole Novak, University of Iowa; ToniAnn Treviño, University of Michigan; Natalie Lira, University of Illinois Urbana-Champaign; Kate O'Connor, University of Michigan; Alexandra Minna Stern, University of Michigan*

## **101 Impact of Immigration Status on Migration Behavior**

*CHAIR: Paola Echave, The Ohio State University*

*DISCUSSANT: Guillermina Jasso, New York University*

**9:15 AM-10:30 AM — Open Water**

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### **101-1 Does an Expansion of Mobility Rights Affect Migrants' Return Intentions?**

*Michel Tenikue\*, Luxembourg Institute of Socio-Economic Research (LISER); Joël Machado; Bertrand Verheyden , LISER*

### **101-2 A Longitudinal Analysis of Naturalization and International Migration in Switzerland, 2011–2017**

*Juan Galeano\*, Centre d'Estudis Demografics; Aurélie Pont, Université de Genève; Philippe Wanner, Université de Genève*

### **101-3 Can Tax Incentives Bring Brains Back? High Skill Migration and the Effects of Returnees' Tax Schemes in Italy**

*Giuseppe Ippedico; Jacopo Bassetto\*, University of Trento and IAB*

### **101-4 How Citizenship Denial Shapes Immigrants' Citizenship Enactment: Evidence From French Data**

*Tianjian Lai\*, University of California, Los Angeles*

## **102 Migration and Aging**

*CHAIR: Qian Song, University of Massachusetts Boston*

*DISCUSSANT: Ryon Cobb, University of Georgia*

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### **102-1 The Effect of Mass Migration on Natives' Fertility: Evidence From Syrian Refugee Migration in Turkey**

*Berkay Ozcan\*, London School of Economics; Cevat Giray Aksoy, King's College London, UK*

### **102-2 How Can Migration, Workforce Participation, and Education Balance the Cost of Aging in Europe?**

*Guillaume Marois\*, International Institute for Applied Systems Analysis; Alain Belanger, Institut national de la recherche scientifique; Wolfgang Lutz, International Institute for Applied Systems Analysis*

### **102-3 Immigrant Adaptation and the "Impacts" of Mexico–U.S. Migration on Healthy Aging: A Binational Examination**

*Fernando Riosmena\*, University of Colorado Boulder; Emma Aguila, University of Southern California; Jenna Nobles, University of Wisconsin–Madison; Jacqueline Torres, University of California - San Francisco*

### **102-4 Economic "Dis-assimilation"? Widening Nativity Gaps in Income in Mid- to Later Life**

*Leafia Ye\*, University of Wisconsin–Madison*

## **103 Social Determinants of Child Health**

*CHAIR: Sian Curtis, University of North Carolina at Chapel Hill*

*DISCUSSANT: Cynthia CoLEN, The Ohio State University*

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### **103-1 Can Education Do It Alone? Evidence on Women's Education and Child Health From India**

*Ambrish Dongre\**

### **103-2 Parental Income Gradients in Mortality During Childhood and Adolescence: Long-Term Trends Across Half a Century Using Norwegian Administrative Data**

*Miriam Evensen\*, Norwegian Institute of Public Health*

### **103-3 Environmental and Sociodemographic Determinants of Under-5 Mortality in India: A Survival Analysis on Indian Demographic and Health Survey Data**

*Vinod Joseph KJ\*, International Institute for Population Sciences; Hemkothang Lhungdim, International Institute for Population Sciences*

### **103-4 Racial Disparities in Childhood Immunization Uptake in the Dominican Republic**

*Barbara Zsembik\*, University of Florida; Julia Arroyo, University of Florida*

## **104 Racism, White Supremacy, and Demography**

*CHAIR: Evelyn Patterson, Vanderbilt University*

*DISCUSSANT: Tukufu Zuberi, University of Pennsylvania*

**9:15 AM-10:30 AM — Open Water**

- 104-1 **More Than Rocks and Stone: Confederate Monuments, Memory Movements, and Race**  
Heather O'Connell\*, *Louisiana State University*
- 104-2 **Toward a Critical Demography of Tribal Peoples**  
Desi Rodriguez-Lonebear\*, *University of California, Los Angeles*
- 104-3 **How Migration and Income Affect Racial Classification in Brazil**  
Edward Telles\*, *University of California, Irvine; Jeronimo Muniz, Universidade Federal de Minas Gerais*
- 104-4 **Young White Children Are the Minority: The Demography of Whiteness Decline in the United States**  
Dudley Poston Jr\*, *Texas A&M University; Rogelio Saenz, University of Texas at San Antonio*
- 105 Spatial Demography and Censuses Around the Globe**
- CHAIR: Mark Ellis, University of Washington*  
*DISCUSSANT: Nicholas Nagle, Oak Ridge National Lab / University of Tennessee*
- 9:15 AM-10:30 AM — Open Water**
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- 105-1 **Examining Racial Exclusion in Selective Annexations Across 14 States, 2000–2010**  
Iris Zhang\*
- 105-2 **The Racial Landscape in Suburban Sprawl: An Analysis of How Space in the American South Influences Racial-Ethnic Population Growth From 1990–2010 Using Conditional Autoregressive (CAR) Models**  
Treva Tam\*, *University of Pennsylvania*
- 105-3 **Spatial Analysis of Social Vulnerability to Environmental Risks: A Study for China Prefectures in 2000 and 2010**  
Xueteng Li\*, *Asian Demographic Research Institute; Leiwen Jiang, Asian Demographic Research Institute; Emerson Baptista, Asian Demographic Research Institute (ADRI)*
- 105-4 **Developing a Global Living Standards Measure Using Census Microdata**  
Rodrigo Lovaton\*, *University of Minnesota; Sula Sarkar, University of Minnesota*
- 106 Invited: COVID-19 and Africa's Demography**
- CHAIR: Donatien Beguy, UN-Habitat*
- 9:15 AM-10:30 AM — Open Water**
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- 106-1 **Panelist**  
Bernard Onyango\*, *African Institute for Development Policy (AFIDEP)*
- 106-2 **Panelist**  
Jean-Francois Kobiane\*, *Institut Supérieur des Sciences de la Population*
- 106-3 **Panelist**  
Stephane Helleringer\*, *Johns Hopkins University*
- P3 P3 - Children, Youth, and Intergenerational Ties; and Education, Work, and Economic Inequality**
- 9:30 AM-11:00 AM — Open Water Poster Gallery**
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- P3-1 **From Leaving Welfare to Leaving Food Stamps: A Multilevel Event History Analysis of SNAP Exits**  
Remy Stewart\*, *Cornell University*
- P3-2 **Does SNAP Moderate the Relation Between Food Insecurity and Allostatic Load?**  
Tae-Young Pak\*, *Sungkyunkwan University*
- P3-3 **Child Health Amid Program Disruption: Evidence From Mexico**  
Susan Parker, *University of Maryland; Soomin Ryu\*, University of Maryland*
- P3-4 **Working Conditions and COVID-Related Attitudes and Behaviors**  
Emily Marshall\*, *Franklin and Marshall College; Jennifer Orgill-Meyer, Franklin and Marshall College*
- P3-5 **Pathways of Interdependence From Youth to Adulthood**

- P3-6 **The Opioid Epidemic and Children's Living Arrangements in the United States, 2000–2018**  
Monica Caudillo\*, University of Maryland; Andres Villarreal, University of California, Los Angeles; Philip Cohen, University of Maryland, College Park
- P3-7 **Examining Origins and Pathways of Engineering Students in India**  
Sarah Nolan\*, Duke University
- P3-8 **Does Early Childhood Malnutrition Affect Cognitive Skill Development in Children: Evidence From India?**  
Ronak Paul\*, Abhishek Singh, International Institute for Population Sciences (IIPS)
- P3-9 **Preschool Enrollment in the United States, 2005–2019: Demographic and Geographic Antecedents**  
Kevin McElrath\*, Stony Brook University; Erik Schmidt, U.S. Census Bureau; Kurt Bauman, US Census Bureau
- P3-10 **Randomized Control Evaluation of the Young Potential Development Program in Ecuador**  
Sara Borelli\*, IMPAQ International; Michaela Gulemetova, Impaq International; Melissa Paredes, Impaq International
- P3-11 **The Prospective Effects of Marijuana Use in Adolescence on Illicit Drug Use in Mature Adulthood**  
Radhika Prasad\*, Ming Wen, University of Utah; Daniel Adkins, University of Utah
- P3-12 **Contextual Features, Civic and Organizational Capacity, and the Promise of Federal and Local Support**  
Alexandra Cooperstock\*, Cornell University
- P3-13 **Testing Hispanic Health Paradox for Chinese American Mothers: New Evidence From New York City**  
Bo Zhou\*, Sun Yat-Sen University; Zai Liang, State University of New York at Albany
- P3-14 **Food Insecurity, Parental Depression, and Behavior Problems Among Preschool Children**  
Xuejiao Chen\*, National University of Singapore; Wei-Jun Yeung, National University of Singapore
- P3-15 **Employment and Independence in the Transition to Adulthood for Youth With Disabilities Who Age Out of Foster Care**  
Erin McCauley\*
- P3-16 **Intergenerational Transmission of Divorce in Sweden, 1922–2015**  
Martin Bergvall\*, Maria Stanfors, Lund University
- P3-17 **Maternal Autonomy and Childhood Undernutrition: Analysis on the Nigeria 2018 Demographic and Health Survey Data**  
Tolulope Ariyo\*, Xi'an Jiaotong University; Quanbao Jiang, Xi'an Jiaotong University
- P3-18 **Effect of Educational Assortative Mating on Infant and Child Mortality in Nigeria**  
Tolulope Ariyo\*, Xi'an Jiaotong University; Quanbao Jiang, Xi'an Jiaotong University
- P3-19 **Analysis of Multiple Deprivation (Multidimensional Poverty) of Children Under 5 Years Old in Côte D'Ivoire and Senegal: A CC-MODA Approach**  
KASSOUM KONE\*
- P3-20 **Young Adult Weight Trajectories: Using a Growth Curve Approach to Assess the Impact of a Family History of Diabetes**  
Lori Kowaleski-Jones\*, University of Utah; Barbara Brown, University of Utah; Ken Smith, University of Utah; Cathleen Zick, University of Utah; Heidi Hanson, University of Utah
- P3-21 **Increasing Prevalence of Children Home Alone in Ghana: How Do Socioeconomic Factors Influence Changes Over Time?**  
Rene Iwo\*, University of North Carolina at Chapel Hill; Mónica Ruiz-Casares, McGill University; José Nazif-Munoz
- P3-22 **The "Long Arm" of Pubertal Timing and Networks: Peer Perceptions of Development Among Youth Are Associated With Elevated Adult Cardiometabolic Risk**  
Mark Pachucki\*, University of Massachusetts Amherst; Younjoon Bae, UMass Amherst; John Sirard, University of Massachusetts Amherst; Genevieve Chandler, University of Massachusetts Amherst; Lindsay Till Hoyt, Fordham University
- P3-23 **How Much Do Unstable Family Trajectories Affect Children's Well-being? A Re-examination of the Family Instability Hypothesis in the United States**  
Alejandra Rodríguez Sánchez\*
- P3-24 **Household Socioeconomic Status and Child Socioemotional in Ghana**  
Stanislav Akembula, Mainstream Renewable Power; David Adumbire\*, University of Ghana

- P3-25 **Marijuana Use Initiation Among Young Adults in the United States: The Role of Family and Peer Socialization**  
Ali Roghani\*, Samuel Nyarko, University of Texas at San Antonio
- P3-26 **Effect of Fathers' Migration on Children's Health and Educational Outcomes in India**  
Vidya Bharathi Rajkumar\*, Cornell University
- P3-27 **When Does Matching by Race Matter for Big Brother Big Sister Youth Outcomes?**  
Brach Champion\*, University of Colorado Boulder; Corey Woodruff, University of Colorado Boulder; Zachary Szlendak, Institute for Defense Analyses
- P3-28 **Intergenerational Transmission of Nutritional Well-being Among Italian Children and Adolescents**  
Francesca Tosi\*, University of Bologna; Rosella Rettaroli, University of Bologna
- P3-29 **Household Labor Migration and Aspirations for Children's Education**  
Jennifer Glick\*, Pennsylvania State University; Scott Yabiku, Pennsylvania State University; Haoyang Zhang; Sarah Miller, Pennsylvania State University
- P3-30 **Revisiting Intergenerational Transmission of Family Attitudes: A Focus on Millennials**  
Rubin Sandlin\*, James Stykes, Sam Houston State University
- P3-31 **Flexibility or Scarring? Prevalence of Nonstandard Labor Contracts Among Polish Tertiary Education Graduates**  
Agnieszka Chlon-Dominczak\*, Szkoła Główna Handlowa w Warszawie; Mikołaj Jasiński, University of Warsaw; Marek Bozykowski, Uniwersytet Warszawski; Tomasz Zająć, University of Warsaw
- P3-32 **Educational Attainment and Fertility: Contextual Determinants From West Africa**  
Winfred Avogo\*, Illinois State University
- P3-33 **Youth Reproductive Health and Labor Force Participation in South Africa**  
Winfred Avogo\*, Illinois State University; Oluwaseyi Somefun
- P3-34 **The Risk of Household Separation in Rural India: A Survival Analysis**  
Etienne Breton\*, Princeton University
- P3-35 **Family Migration Context and Children's Marriage Choice in Settings With Changing Marriage Systems**  
Erick Axxe\*, The Ohio State University; Sarah Hayford, The Ohio State University; Dirgha Ghimire, University of Michigan
- P3-36 **Children's Special Healthcare Needs and Relative Caregivers' Mental Well-being**  
Julia Arroyo\*, University of Florida; Barbara Zsembik, University of Florida
- P3-37 **Who Owns America? The Characteristics of Residential Landlords in Six Metro Areas**  
Henry Gomory\*, Princeton University
- P3-38 **Gender Socialization and Identity Effect of the Future Expectations of Primary School Pupils in Burkina Faso**  
Alis Bambara\*, ISSP/Université Joseph Ki Zerbo; Madeleine Wayack-Pambè, Institut Supérieur des Sciences de la Population (ISSP)
- P3-39 **Government Implemented Cash Plus Model Reduces Violence Experiences and Perpetration Among Adolescents in Tanzania**  
Tia Palermo\*, University at Buffalo; Leah Prencipe, Erasmus MC; Lusajo Kajula, UNICEF Office of Research - Innocenti
- P3-40 **Race, Nativity, and Unexpected Differences in Hispanic Income and Poverty**  
Juan Pedroza\*, University of California, Santa Cruz; Marybeth Mattingly, Federal Reserve Bank of Boston
- P3-41 **Gender and Racial Disparities in Student Debt Trajectories**  
Fenaba Addo\*, University of North Carolina at Chapel Hill; Xing Zhang, Arizona State University
- P3-42 **A Gendered Pandemic: Childcare, Homeschooling, and Parents' Employment During COVID-19**  
Richard Petts\*, Ball State University; Daniel Carlson, University of Utah; Joanna Pepin, University at Buffalo
- P3-43 **The Challenge of Completeness of Birth Registration for Children Under 5 Years Old in Guinea: Explanatory Factors**  
Mory CAMARA\*
- P3-44 **Housing Insecurity Among Renters in Later Life: An Intersectional Approach**  
Arielle True-Funk\*
- P3-45 **What Do STEM Clubs do? The Effect of College Club Participation on Career Expectations, Career Confidence, and Modern Sexism**  
Guillermo Dominguez\*, University of Texas at Austin; Jennifer Glass, University of Texas at Austin

- P3-46 **Anomaly in the Education-Health Gradient in Gestational Outcomes in the United States**  
Aarti Bhat\*; Alexis Santos-Lozada, *Pennsylvania State University*
- P3-47 **Learning About Homelessness Using Linked Survey and Administrative Data**  
Bruce Meyer, *University of Chicago*; Angela Wyse\*, *University of Chicago*; Alexa Grunwaldt, *Yale University*; Carla Medalia, *U.S. Census Bureau*; Derek Wu, *University of Chicago*
- P3-48 **Parental Education and Offspring's Income Among the Children of Asian-American Immigrants**  
Samuel Fishman\*, *Duke University*
- P3-49 **Women's Family Formation and Work Trajectories During Midlife in South Korea**  
Sophia Fauser\*, Younga Kim
- P3-50 **The Generational Boundaries of Educational Advantage: Does Great-Grandparent Education Predict Great-Grandchild Early Academic Achievement?**  
Megan Evans\*, *Pennsylvania State University*; Jonathan Daw, *Pennsylvania State University*; S. Michael Gaddis
- P3-51 **Does Lack of Parental Involvement Affect School Dropout and Grade Retention Among Adolescents? Evidence From an Indian Panel Study**  
Ronak Paul; Rashmi Rashmi\*; Shobhit Srivastava
- P3-52 **Social Class, Field of Study, and Attrition: A Comparative Analysis Between Three Universities**  
Joelle Spotswood\*, *University of Kansas*
- P3-53 **Who Are India's Educational Migrants?**  
Manjistha Banerji\*, *National Council of Applied Economic Research*; Sonalde Desai, *University of Maryland*; Dinesh Tiwari, *National Council of Applied Economic Research*; Jaya Koti, *National Council of Applied Economic Research*; Om Sharma, *NCAER*
- P3-54 **Women's Earnings and Household Division of Labor Among Couples in Ghana**  
Nkechi Owoo\*, *IUSSP*
- P3-55 **Are Crowded-Out Students Cascading Down? Estimating Enrollment Spillover Along the University Hierarchy Using a Foreign Student Shock**  
Sai Luo\*, *University of Maryland*
- P3-56 **Joblessness and the Transition to Parenthood: Variation by Migrant Background Explored and Explained**  
Daniel van Wijk\*, *Netherlands Interdisciplinary Demographic Institute*; Helga de Valk, *Netherlands Interdisciplinary Demographic Institute*; Aart Liefbroer, *Netherlands Interdisciplinary Demographic Institute*
- P3-57 **Work-Family Conflict Before Retirement and Its Association With the Change in Feeling Lonely After Retirement: Evidence From the Taiwan Health and Retirement Study**  
Chi Chiao\*, *National Yang-Ming University*; Susan C. Hu, *National Cheng Kung University*
- P3-58 **The Impact of Expanded Contraceptive Access on Poverty in Young Adulthood**  
Amanda Stevenson\*, *University of Colorado, Boulder Department of Sociology*; Katie Genadek, *University of Colorado Boulder*; Sara Yeatman, *University of Colorado Denver*; Stefanie Mollborn, *University of Colorado Boulder*; Jane Menken, *University of Colorado, Boulder*
- P3-59 **Incorporating Health Insurance in Poverty Measurement: Estimating Trends**  
Dahlia Remler\*, *CUNY Institute for Demographic Research*; Sanders Korenman, *CUNY Institute for Demographic Research*
- P3-60 **Understanding the Pattern of Gender Inequalities in Rural Land Holdings in India and Its Linkages With Women's Economic Well-being**  
Charu Jain\*, *National Council of Applied Economic Research*; Disha Saxena, *National Council of Applied Economic Research*; Chandni Mishra, *National Council of Applied Economic Research*
- P3-61 **Investigating Gender Differences in the Causes and Implications of Chronic Absenteeism Behavior Among Primary Grade Students in India**  
Charu Jain\*, *National Council of Applied Economic Research*
- P3-62 **The Influence of Schools and Neighborhoods on Later-Life Neighborhood Attainment: A Test of Perpetuation Theory**  
Rebecca Bielamowicz\*, *University of North Carolina at Chapel Hill*
- P3-63 **The Effects of Educational Attainment on Late-life Income**  
Janet Wang\*
- P3-64 **Retesting Relative Education Theory Using a Metro-Level Approach**  
Joseph Sagedan\*; Alejandro Schugurensky

- P3-65 **Does Adverse Childhood Experience Increase Heavy Smoking in Emerging Adulthood? The Role of Not in Education, Employment, or Training Status**  
Wen-Hsu Lin\*; Chi Chiao, National Yang-Ming University
- P3-66 **Decomposing Trends in Health Insurance Coverage Among Young Adults: The Role of Economic, Demographic, and Policy Changes, 2009–2019**  
Jonathan Vespa\*, US Census Bureau; Laryssa Mykyta, U.S. Census Bureau; Douglas Conway
- P3-67 **New Insights on Self-employment of Older Adults in the United States**  
Joelle Abramowitz\*, University of Michigan
- P3-68 **Economic Uncertainty and Family Formation in Italy: The Role of the Interrelationship Between Union Transition and Fertility**  
Giammarco Alderotti\*, Sapienza University of Rome; Valentina Tocchioni, University of Florence; Alessandra De Rose, University of Rome-La Sapienza
- P3-69 **The Myth of Men's Stable, Continuous Labor Force Attachment: Multitrajectories of U.S. Baby Boomer Men's Employment**  
Adrienne Frech\*, University of Missouri, Columbia; Jane Lankes; Sarah Damaske, Pennsylvania State University
- P3-70 **Breaking Up a Fight: An Exploratory Analysis on Violent Behavior Among Teenagers in Brazil**  
Cristina Rossetto; Raquel Guimaraes\*, Universidade Federal do Paraná; Nayara Julião
- P3-71 **Well-being Implications of COVID-19: An Early Study of Impacts on Mental Health Among University of Missouri Students**  
Paige Smith\*; Enid Schatz, University of Missouri, Columbia; Emma Wickland, University of Missouri, Columbia
- P3-72 **Measuring America's Affordability Problem: Comparing 60 Measurements of Affordable Housing**  
Matthew Brooks\*, Pennsylvania State University
- P3-73 **Geography of Poverty and Inequalities in Access to Public Health Services in Côte D'Ivoire.**  
KASSOUM KONE\*
- P3-74 **How Does Children's Time Allocation Affect Their Noncognitive Skills? Evidence From Four Developing Countries**  
Grace Chang\*
- P3-75 **Facebook Ads as a Demographic Tool to Measure the Urban-Rural Divide**  
Daniele Rama\*, University of Turin; Yelena Mejova, ISI Foundation; Michele Tizzoni, ISI Foundation; Kyriaki Kalimeri, ISI Foundation; Ingmar Weber, Qatar Computing Research Institute, HBKU
- P3-76 **Intergenerational Transmission of Education Across the Twentieth Century: A Sibling Correlation Approach**  
Patrick Praeg\*, University of Oxford; Christiaan Monden, University of Oxford
- P3-77 **Changes Over Time in the Effect of Parental Background on Children's Educational Enrollment in Europe**  
Alessandra Trimarchi\*, Department of Sociology, University of Vienna; Milan Bouchet-Valat, Institut National d'Études Démographiques (INED)
- P3-78 **Adult Children's Education and Physical and Cognitive Health Trajectories of Older Parents in Denmark**  
Cosmo Strozza\*, University of Southern Denmark; Virginia Zarulli, Interdisciplinary Centre on Population Dynamics, University of Southern Denmark
- P3-79 **Race and Gender Disparities in Academic Pay**  
Eungang Choi\*, The Ohio State University; Erick Axxe, The Ohio State University
- P3-80 **The Right to Education Act and Children's School Attendance in Rural India: A Causal Approach**  
Leena Bhattacharya\*
- P3-81 **Employment Quality, Self-rated Health, and Allostatic Load Among Working Americans**  
Grace Venechuk\*
- P3-82 **Specialists or Generalists? Cross-Industry Job Mobility and Occupational Wages**  
Justine Herve\*
- P3-83 **Social Security Disability Insurance and Intergenerational Economic Mobility**  
Jason Fletcher, University of Wisconsin-Madison; Katie Jajtner\*, University of Wisconsin-Madison; Matt Messel, Social Security Administration
- P3-84 **Mental Health Diagnosis at Discharge in U.S. Emergency Departments by Residential Status**  
Hijab Ahmed, Texas Tech University Health Sciences Center; Jeff Dennis\*
- P3-85

## Does Workplace Flexibility Facilitate Shared Parenting? Examining the Role of Individual and Collective Bargaining Power

Ge Gao\*

- P3-86 **Absent Fathers, Mother's Autonomy, and Remittances: Mechanisms for Increased Educational Expenditure for Children in India**  
Natasha Chhabra\*, University of Maryland
- P3-87 **The Choice of Residential Locations in an Urban Space: Segregation or Congregation? A Study of the City of Trivandrum, Kerala, India**  
Neeha Jacob\*
- P3-88 **Differential Educational Outcomes for Mono- Versus Multiracial Students**  
Evangeline Warren\*, The Ohio State University; Samantha Mitchell
- P3-89 **Algorithmic Insecurity and Gig Worker Well-being**  
Katherine Hill\*, University of Texas at Austin
- P3-90 **Life-Course Patterns of Educational Differentials in Early Labor Market Outcomes of Young People: Inter-Cohort Variation**  
Limor Gabay-Egozi\*, Bar-Ilan University, Israel; Hyunjoon Park, University of Pennsylvania; Meir Yaish, University of Haifa
- P3-91 **Inequalities in Retirement Lifespan in the Contemporary United States**  
Jiaxin Shi\*, Max Planck Institute for Demographic Research; Christian Dudel, Max Planck Institute for Demographic Research; Christiaan Monden, University of Oxford; Alyson van Raalte, Max Planck Institute for Demographic Research
- P3-92 **Reimbursement Threat and the Duration of Social Assistance in Luxembourg**  
Alessio Fusco\*, Luxembourg Institute of Socio-Economic Research; Silvia Girardi, Luxembourg Institute of Socio-Economic Research; Philippe Van Kerm, Luxembourg Institute of Socio-Economic Research
- P3-93 **Children Assets and Parenting Resources**  
Angèle JANNOT\*; Marion Leturcq, Institut National d'Études Démographiques (INED)
- P3-94 **How Much Is Long-Term Unemployment Affecting Older Workers in Europe? Implications for an Aging Workforce**  
Mariona Lozano\*, Centre for Demographic Studies; Elisenda Renteria, Centre d'Estudis Demogràfics
- P3-95 **Child Marriage, Teenage Pregnancy, and Women's Education: Evidence From Brazil**  
Melissa Lima\*, IIASA - International Institute for Applied Systems Analysis; Bilal Barakat, IIASA/UNESCO; Raquel Guimaraes, IIASA/UFPR
- P3-96 **For Better or for Worse? Economic Strain, Work-Family Balance, and Relationship Quality During the COVID-19 Pandemic**  
Brienna Perelli-Harris\*, University of Southampton; Shih-Yi Chao, University of Southampton; Ann Berrington, University of Southampton
- P3-97 **Gender Gap in Pay Expectations: The Role of Sex Segregation in Education**  
Ewa Cukrowska-Torzewska\*, University of Warsaw, Faculty of Economic Sciences
- P3-98 **School Performance of Immigrants: The Generational Gradient and the Contribution of the Life Course Stage at Migration**  
Silvia Loi\*, Max Planck Institute for Demographic Research; Joonas Pitkänen, University of Helsinki; Heta Moustgaard, University of Helsinki; Mikko Myrskyla, Max Planck Institute for Demographic Research; Pekka Martikainen, University of Helsinki
- P3-99 **The Effect of Job Insecurity on Material Deprivation**  
Martin Friedrich, Institute for Employment Research; Nils Teichler\*, Institute for Employment Research
- P3-100 **Context Specific Women's Empowerment Measures: Education, Labor Force, and Caste in India**  
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- P3-101 **Labor Supply, Gender, and Household Wealth in China**  
Xuehui Han, IMF; Tao Zhang, Ragnar Frisch Centre for Economic Research; John Dagsvik, Statistic Norway; Yuan Cheng\*, Population Research Center
- P3-102 **Stunting and Anemia for Children in Urban Poor Environments**  
Shireen Assaf\*, ICF International (The DHS Program); Christina Juan
- P3-103 **Capturing Women's Work: What Androcentric Labor Force Surveys Miss and Why**  
Neerad Deshmukh\*, National Council of Applied Economic Research; Sonalde Desai, University of Maryland; Santanu Pramanik, National Council of Applied Economic Research

- P3-104 **Beyond Wages: Job Quality Over the Life Course**  
Shauna Dyer\*, University of Michigan
- P3-105 **Human Capital From a Demographic Perspective: An Indian Experience**  
Manzoor Malik\*, Indian Institute of Technology Roorkee
- P3-106 **Measuring the Economic Costs of Women's Exclusion and the Benefits From Closing Gender Gaps: Evidence From a Macrosimulation Model**  
Wendy Cunningham, World Bank; Sarika Gupta, World Bank; Mitja Delbono, World Bank; Mahesh Karra\*, Frederick S. Pardee School of Global Studies, Boston University; Joshua Wilde, Max Planck Institute for Demographic Research
- P3-107 **Union Dissolution and Child Outcomes in Uruguay**  
Marisa Bucheli\*, Universidad de la Republica, Uruguay; Andrea Vigorito
- P3-108 **Unions, Work Contexts, and Family-Friendly Policies**  
Eunjeong Paek\*, University of Southern California
- P3-109 **Intergenerational Transmission of Awareness and Expectations Toward Environmental Issues**  
Elsa Fontainha\*, ISEG University of Lisbon
- P3-110 **Migration Flows to Mexico City's Construction Sector**  
Carla Pederzini\*, Universidad Iberamericana; Arlette Covarrubias, El Colegio Mexiquense
- P3-111 **How Much Do Immigrants Contribute to Gender Occupational Segregation in the United States?**  
Wonjeong Jeong\*; Peter Rich, Cornell University
- P3-112 **Homeownership Status and Social Vulnerability: Return Migration in the Aftermath of Hurricane Harvey**  
Kobie Price\*, University of Minnesota; Jack DeWaard, University of Minnesota, Twin Cities; Elizabeth Fussell, Brown University; Katherine Curtis, University of Wisconsin-Madison; Stephan Whitaker, Federal Reserve Bank of Cleveland; Catalina Anampa Castro; Kathryn McConnell, Yale University; Michael Soto, University of Minnesota
- P3-113 **Race and U.S. Income Inequality: A Decomposition of U.S. Income Inequality Into Between- and Within-Race Components**  
Matthew C. Mahutga\*, University of California-Riverside; Michaela Curran, University of Iowa; Matt Huffman, University of California-Irvine; Zachary Parolin, Columbia University
- P3-114 **"I Don't Want to Rush Everything and End Up Where I Started": Disadvantaged Youth, College Choice, and the Reverse Life Course**  
Allison Young\*; Stefanie DeLuca, Johns Hopkins University
- P3-115 **Aspiration, Socioeconomic Background, Genomes, and Lifetime Cognitive Ability**  
Guang Guo\*, University of North Carolina at Chapel Hill; Meng-Jung Lin, UNC Chapel Hill; Adam Lilly, University of North Carolina at Chapel Hill
- P3-116 **Social Connectedness and Disparities in Education Outcomes**  
Ran Liu\*
- P3-117 **Essential Driven Elements of African Student Mobility From Africa to China, 1999–2015**  
Lin Chen\*, Katholieke Universiteit Leuven (KU Leuven) and Vrije Universiteit Brussel (VUB); Sylvie Gadeyne, The Vrije Universiteit Brussel
- P3-118 **Do Youth Work in Agriculture? Unpacking the Dynamics of On-Farm Youth Employment in Tanzania and Malawi**  
Kashi Kafle\*, University of Illinois; Neha Paliwal, IFPRI; Rui Benfica, IFPRI
- P3-119 **The Impact of Partner Disability Status on Women's Labor Outcomes Across Three Veteran Cohorts**  
Angela Clague, Department of Sociology, UCLA; Sara Johnsen\*, University of California, Los Angeles; Hilary Flowers, University of California, Los Angeles

## **107 Families and Health in Mid- and Later Life**

*CHAIR: Mieke Thomeer, University of Alabama at Birmingham*

*DISCUSSANT: Yuka Minagawa, Sophia University*

**10:45 AM-12:00 PM — Open Water**

- 107-1 **The Role of Having Children for the Incidence of and Survival After Hip Fracture: A Nationwide Study of 45,991 Hip Fracture Patients in Sweden**  
Anna Meyer\*, Karolinska Institutet; Karin Modig, Karolinska Institutet

- 107-2 **Marriage and Mortality**  
Seth Sanders\*, Duke University; Robert Pollak, Washington University in St. Louis; Janice Compton, University of Manitoba
- 107-3 **The Associations Between Experiencing the Death of a Family Member and Resting Blood Pressure Differ by Educational Status**  
Hye Won Chai\*, University of Texas at Austin; Debra Umberson, University of Texas at Austin; David Almeida, The Pennsylvania State University
- 107-4 **Upward Intergenerational Transmission: Nonlinear Relationships Between Adult Children's Socioeconomic Status and Their Older Parents' Health in China**  
Luoman Bao\*, California State University, Los Angeles

## 108 Education, Income, and Well-being in the Global Context

CHAIR: Mauricio Rodriguez Abreu, Universidad de las Americas Puebla

DISCUSSANT: Philip Cantu, University of Texas Medical Branch

10:45 AM-12:00 PM — Open Water

- 108-1 **The Great Migration and the Urban-Rural Divide: Lonely Life Expectancy in China**  
Xueqing Wang\*, Princeton University; James M Raymo, Princeton University
- 108-2 **Life Course Socioeconomic Status and Healthy Longevity in China**  
Collin Payne, Australian National University; Kim Qinzi Xu\*, The Australian National University
- 108-3 **Healthy Life-Expectancy and Multimorbidity Among Older Adults: Do Inequality and Poverty Matter?**  
Raphael Guimaraes\*, Oswaldo Cruz Foundation and University of Campinas; Flavia Cristina Andrade, University of Illinois at Urbana Champaign
- 108-4 **Multimorbidity Trajectories and Psychological Well-being by Socioeconomic Status Across Later Adulthood: A Multiple-Group Latent Growth Curve Modeling**  
Sun Ah Lee\*, Susanna Joo; Hye Won Chai, The University of Texas at Austin; David Almeida, The Pennsylvania State University

## 109 Flash: Public Policy and Child Well-being

CHAIR: Lina Guzman, National Research Center on Hispanic Children and Families

10:45 AM-12:00 PM — Open Water

- 109-1 **The Costs and Benefits of Making the \$2,000 Child Tax Credit Fully Refundable: A Near-Universal Child Allowance**  
Irv Garfinkel, Columbia University; Laurel Sariscsany\*, Columbia University; Elizabeth Ananat, Barnard College ; Sophie Collyer, Columbia University; Christopher Wimer, Columbia University
- 109-2 **Does Public Spending on Children Reduce Inequality in Infant Health?**  
Margot Jackson\*, Brown University; Emily Rauscher, Brown University; Ailish Burns, Brown University
- 109-3 **Can Early Universal Preschool Reduce Child Development Inequalities? The Roles of Intensity and Length of Exposure in France**  
Lawrence Berger, University of Wisconsin-Madison; Lidia Panico, Institut National d'Études Démographiques (INED); Anne Solaz\*, Institut National d'Études Démographiques (INED)
- 109-4 **The Relationship Between Suspension and Dropout in Three Cohorts of Youth in the United States**  
Brittany Freelin\*, Pennsylvania State University
- 109-5 **More Money, Fewer Problems? The Effect of Foster Care Payments on Quality of Care**  
Anna Chorniy\*, Northwestern University; Chris Mills, Princeton University
- 109-6 **Social Policy, Demographics, and State Adoption Rates**  
Marina Potter\*, Pennsylvania State University; Sarah Font

## 110 Data: Beyond the Analysis

CHAIR: Michelle Poulin, World Bank

DISCUSSANT: Esteban Quinones, International Food Policy Research Institute

10:45 AM-12:00 PM — Open Water

- 110-1 **Where's Daddy? Challenges in the Measurement of Men's Fertility**  
Lindsay Monte\*, U.S. Census Bureau; Jason Fields, US Census Bureau

- 110-2 **How to Estimate a Population Proportion If Data Are Possibly Subject to Misclassification Error? The Case of Estimating Contraceptive Prevalence Based on Self-reported Usage**  
*Chuchu Wei\*, University of Massachusetts Amherst; Leontine Alkema, University of Massachusetts Amherst*
- 110-3 **Undercount of Young Children in the French Census: What Causes Children to Be Missed? Evidence From Linked Census Data**  
*John Tomkinson\**
- 110-4 **Demographic Engineering: A New Dimension**  
*Ankush Agrawal\*, Vikas Kumar, Azim Premji University*

## **111 Family and Work: Family Policy and Mothers' Employment**

*CHAIR: Jennifer Hook, University of Southern California  
DISCUSSANT: Gundula Zoch, Leibniz Institute for Educational Trajectories*

**10:45 AM-12:00 PM — Open Water**

- 111-1 **A Family Leave Length Trade-off? Women's Labor Force Status in Comparative Perspective**  
*Kathrin Morosow\*, University of Bath*
- 111-2 **Mothers' Job Search After Childbirth**  
*Bernhard Schmidpeter\**
- 111-3 **Family Policy Reforms in the 1970s and Women's Work: Parental Leave Reform and Daycare Expansion in Sweden**  
*Ann-Zofie Duvander, Stockholm University; Sunnee Billingsley\*, Stockholm University; Kelly Musick, Cornell University; Anna-Karin Nylin, Stockholm University*
- 111-4 **Maternity Benefits Regulation and Women's Choice of Work: Evidence From Vietnam**  
*Khoa Vu\**

## **112 The Global Pandemic and Subsequent Changes to Work and Family**

*CHAIR: Jaclyn Wong, University of South Carolina  
DISCUSSANT: Liana Landivar, Women's Bureau, U.S. Department of Labor*

**10:45 AM-12:00 PM — Open Water**

- 112-1 **If You've Got Time to Lean, You've Got Time to Clean: Time Availability and Domestic Labor During the COVID-19 Pandemic**  
*Daniel Carlson\*, University of Utah; Richard Petts, Ball State University; Joanna Pepin, University at Buffalo*
- 112-2 **Covid at Home: Gender, Class, and Household Work in Urban Bangladesh**  
*Esha Sraboni\*, Brown University*
- 112-3 **Social Disruption and Parent Time With Children During the Early Stages of the COVID-19 Pandemic**  
*Kammi Schmeer\*, The Ohio State University; Britt Singletary, The Ohio State University*
- 112-4 **The New Feminization of Austerity: Public Sector Employment Inequality During the COVID-19 Recession**  
*Jennifer Laird\*, Lehman College; Jake Rosenfeld, Washington University, St. Louis*

## **113 Family Mortality and Health**

*CHAIR: Xing Zhang, Arizona State University  
DISCUSSANT: Kagan Mellencamp, Bowling Green State University*

**10:45 AM-12:00 PM — Open Water**

- 113-1 **Death of a Parent and Cardiovascular Disease Risk in Early Adulthood**  
*Michael Garcia\*, University of Texas at Austin; Belinda Needham, University of Texas-Austin; Bridget Goosby, University of Texas at Austin; Debra Umberson, University of Texas at Austin; Robert Hummer, Carolina Population Center*
- 113-2 **Global Estimates of Maternal Bereavement: New Indicators of the Cumulative Prevalence of Child Loss in 168 Countries and Territories**  
*Emily Smith-Greenaway\*, University of Southern California; Diego Alburez-Gutierrez, Max Planck Institute for Demographic Research; Jenny Trinitapoli, University of Chicago; Emilio Zagheni, Max Planck Institute for Demographic Research*

- 113-3 **Time Heals Some Wounds: Depressive Symptoms and Maternal and Paternal Loss Across the Life Course**  
Christina Kamis\*, Duke University; Alison Stolte, Duke University; Molly Copeland, Michigan State University
- 113-4 **Household Structure, Composition, and Child Mortality in the Unfolding Antiretroviral Therapy Era in Rural South Africa: Comparative Evidence From Population Surveillance, 2000–2015**  
Brian Houle\*, The Australian National University; Chodziwadziwa Kabudula, University of the Witwatersrand; Alan Stein, University of Oxford; Dickman Gareta, Africa Health Research Institute; Kobus Herbst, Africa Health Research Institute; Samuel Clark, The Ohio State University

## 114 Adolescent Contraceptive Use

*CHAIR: Sarah Huber-Krum, Centers for Disease Control and Prevention*

*DISCUSSANT: Amanda Kalamar, Population Services International*

**10:45 AM-12:00 PM — Open Water**

- 114-1 **Improving Family Planning Uptake Among Adolescent and Youth: Interventions in Niger State, North Central Nigeria**  
Christabel Akinyode; Adewale Adefila\*; Glory Omomase, John Hopkins University Public Health Initiative in Nigeria; Olusola Solanke, John Hopkins University Public Health Initiative in Nigeria
- 114-2 **Social Norms and Adolescent Contraceptive Use in Kenya**  
Shaon Lahiri, The George Washington University; Jeffrey Bingenheimer\*, The George Washington University; Erica Sedlander, George Washington University; Rajiv Rimal, Johns Hopkins Bloomberg School of Public Health
- 114-3 **Understanding Contraceptive Use, Method Failure, and Discontinuation Among Adolescents and Young Women in Poor Urban Settlements of Accra, Ghana**  
Edmund Wedam Kanmiki\*, University of Ghana; Elizabeth Henry, Harvard T.H. Chan School of Public Health; Caesar Agula, Regional Institute for Population Studies (RIPS), University of Ghana; Patrick Asuming, University of Ghana; Iqbal Shah, Harvard T.H. Chan School of Public Health; Ayaga Bawah, University of Ghana
- 114-4 **Trajectories Into Contraceptive Use Among Adolescents in Burundi, Colombia, and Nepal**  
Kerry MacQuarrie\*, The DHS Program (Avenir Health)

## 115 Family Planning Post FP2020: Insights and New Directions

*CHAIR: Kristin Bietsch, Avenir Health*

*DISCUSSANT: Jason Bremner, UN Foundation*

**10:45 AM-12:00 PM — Open Water**

- 115-1 **What Works to Improve Contraceptive Access, Choice, and Sustainability? Understanding Private Sector Contributions to mCPR Growth Throughout the S-Curve**  
Sean Callahan\*
- 115-2 **Subjective Expectations and Demand for Contraception**  
Grant Miller, Stanford University; Aureo de Paula, University College London; Christine Valente\*
- 115-3 **Advancing Rights-Based Family Planning, 2020–2030**  
Karen Hardee\*, Hardee Associates; Sandra Jordan, Consultant
- 115-4 **Demand for Family Planning Satisfied With Modern Methods in Urban Malawi: CHAID Analysis to Identify Predictors and Women Underserved by Family Planning Services**  
Nurudeen Alhassan\*, African Institute for Development Policy (AFIDEP); Nyovani Madise, African Institute for Development Policy (AFIDEP)

## 116 Gender and Sexuality in Low- and Middle-Income Countries

*CHAIR: Massy Mutumba, University of Michigan*

*DISCUSSANT: Jacques Eminé, University of Kinshasa*

**10:45 AM-12:00 PM — Open Water**

- 116-1 **Addressing the Neglected Gaps: A Review of the Literature on the Health and Well-being of Sexual and Gender Minority Adolescents Living in Low- and Middle-Income Countries**  
Jessica DeMulder, Population Council; Cara Kraus-Perrotta\*, Population Council; Camille Garnsey , Independent Researcher
- 116-2 **A Double Burden: Gender and Sexual Stigma Against Toms in Thailand**  
Stephanie Miedema\*, Emory University; Irene Browne, Emory University; Kathryn M. Yount, Emory University

- 116-3 **Generation, Region, and Gender Ideology in China**  
Rujun Yang\*
- 116-4 **The Relationship Between Financial Insecurity and HIV Outcomes Among Men Who Have Sex With Men and Transgender Women in Nigeria**  
Rachel Robinson\*, American University; Nicaise Ndembı, Institute of Human Virology Nigeria; Abayomi Aka, International Centre for Advocacy on Right to Health; Chukwuemeka Okoro, International Centre for Advocacy on Right to Health; Olivia Tapkat Dimlong, Institute of Human Virology Nigeria; Christiana Katu, Institute of Human Virology Nigeria; Blessing Kayode, Institute of Human Virology Nigeria; Trevor Crowell, U.S. Military HIV Research Program, Walter Reed Army Institute of Research; Henry M. Jackson Foundation for the Advancement of Military Medicine; Stefan Baral, Johns Hopkins School of Public Health; Rebecca Nowak, Institute of Human Virology, University of Maryland School of Medicine; Man Charurat, Institute of Human Virology, University of Maryland School of Medicine

## 117 Computational Approaches to Population Health

CHAIR: Ridhi Kashyap, University of Oxford

DISCUSSANT: Diego Alburez-Gutierrez, Max Planck Institute for Demographic Research

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- 117-1 **Megacities as Drivers of National Outbreaks: The 2017 Chikungunya Outbreak in Dhaka, Bangladesh**  
Ayesha Mahmud\*, University of California, Berkeley
- 117-2 **The Effects of Compulsory Vaccination Law and COVID-19 on Vaccine Hesitancy: Analyzing Digital Traces From Italy**  
Adriana Manna\*, Alessia Melegaro, Bocconi University; Veronica Toffolutti, Università Commerciale Luigi Bocconi
- 117-3 **Accelerometry Physical Activity Across Occupations in the United States**  
Xiao Yu\*, Johns Hopkins University; Lingxin Hao, Johns Hopkins University; Andrew Leroux, Johns Hopkins University; Ciprian Crainiceanu, Johns Hopkins University
- 117-4 **Increases in Obesity Prevalence and Changes in U.S. Active Life Expectancy, 1990–2010**  
Ryan Masters\*, University of Colorado Boulder; Catherine Talbot, University of Colorado Boulder; Zachary Cramer

## 118 Structural Racism and Health

CHAIR: Alexis Dennis, University of North Carolina at Chapel Hill

DISCUSSANT: Evans Lodge, University of North Carolina at Chapel Hill

10:45 AM-12:00 PM — Open Water

- 118-1 **Racial Violence and the Mental Health of Black Americans**  
David Curtis\*, University of Utah; Tessa Washburn, University of Utah; Hedwig Lee, Washington University in St. Louis; Ken Smith, University of Utah; Jaewhan Kim, University of Utah; Connor Martz; Michael Kramer, Emory University; David Chae, Tulane University
- 118-2 **Sickness-Related Absences During the COVID-19 Pandemic: The Role of Occupations**  
Thomas Lyttelton\*, Yale University; Emma Zang, Yale University
- 118-3 **Racism and Black Reproduction in the United States**  
Tiffany Green\*, University of Wisconsin-Madison; Jenna Nobles, University of Wisconsin-Madison; Kelsey Wright, University of Wisconsin-Madison
- 118-4 **Racial Disparities in Early Childhood Health in the Dominican Republic**  
Barbara Zsembik\*, University of Florida; Julia Arroyo, University of Florida

## 119 Migration-Climate Research: Let's Talk Methods

CHAIR: Amilcar Matos-Moreno,

DISCUSSANT: Megan Bea, University of Wisconsin-Madison

10:45 AM-12:00 PM — Open Water

- 119-1 **Improving the Evidence Base on Climate Migration: Methodological Insights From Two Meta-Analyses**  
Roman Hoffmann\*, Wittgenstein Centre for Demography and Global Human Capital; Barbora Sedova, Potsdam Institute for Climate Impact Research; Kira Vinke, Potsdam Institute for Climate Impact Research
- 119-2 **The Impact of Risk Transfer Mechanisms on Smallholder Farmer Climate Adaptation and Rural-Urban Migration in Nepal**  
Nicolas Choquette-Levy\*, Matthias Wildemeersch, International Institute for Applied Systems Analysis; Michael Oppenheimer, Princeton University; Simon Levin, Princeton University

- 119-3 **About Time: How Combination and Sequence of Weather Events Shape Mexico–U.S. Migration Flows**  
Li Zhu, Cornell University; Filiz Garip\*, Cornell University

- 119-4 **Drought and Migration: An Analysis of the Effects of Climate Change on Temporary Labor and Return Migration From a Migrant-Sending Area**  
Adrienne Epstein\*, Emily Treleaven, University of Michigan; Nadia Diamond-Smith, University of California, San Francisco

## 120 Immigrant Incorporation

CHAIR: Nalley Mejia,

DISCUSSANT: David Lindstrom, Brown University

10:45 AM-12:00 PM — Open Water

- 120-1 **Children of immigrants and Entry Into Marriage**  
Maurice Anyawie\*, Bowling Green State University

- 120-2 **Racial Disparities in Occupation and Income Attainment Between Immigrants and South African-born Women: Evidence From the 2011 Census**  
Emmanuel Souza\*, University of Pennsylvania

- 120-3 **Transnational Status Inconsistency: Immigrants' Intra-generational Occupational Mobility**  
Mathieu Ichou, Institut National d'Études Démographiques (INED); Louise Caron\*, Institut National d'Études Démographiques (INED)

- 120-4 **Dual Citizenship, Gender, and Vertical Mismatch: The Labor Market Incorporation of the Latin American-born Population Living in Switzerland**  
Juan Galeano\*, Centre d'Estudis Demografics

## 121 Child and Infant Mortality Effects of Non-Health Policies

CHAIR: Mark McGovern, Rutgers School of Public Health

DISCUSSANT: Claus Portner, Seattle University

10:45 AM-12:00 PM — Open Water

- 121-1 **Women's Land Rights and Child Mortality**  
Fabliha Ibnat\*, University of Maryland, College Park

- 121-2 **Echoing Through Time: Intergenerational Effects of Exposure to Armed Conflict, Genocide, and Famine as Determinants of Child Mortality**  
Jonathan Muir\*, The Ohio State University; Samuel Clark, The Ohio State University

- 121-3 **Roads to Better Health: Linkages Between Infrastructure and Child Health Outcomes in India**  
Pallavi Panda\*, SUNY Geneseo

- 121-4 **The Impact of the One Child Policy on China's Infant Mortality From 1970–1989: A Quasi-Experimental Study**  
Esther Choo\*, University of Washington; Suman Chakrabarti, University of Washington; Yao He, University of Washington

## 122 Latinx/a/o Demography

CHAIR: Ariela Schachter, Washington University in St. Louis

DISCUSSANT: Margot Moinester, Washington University in St. Louis

10:45 AM-12:00 PM — Open Water

- 122-1 **Opportunity and Place: Latino Children and the Future of America**  
Daniel Licher\*, Cornell University; Kenneth Johnson, University of New Hampshire

- 122-2 **The Effects of DACA on Migration of Low-Income Families**  
Dafeng Xu\*, University of Washington

- 122-3 **Time-Use Patterns Among Latino/a Immigrants Across Destinations**  
Elizabeth Ackert\*, University of California, Santa Barbara; Jocelyn Wikle, Brigham Young University

- 122-4 **Ethnic Attrition Among Late-Generation Descendants of Mexican Immigrants: New Evidence From Linked Census Records**

## 123 Segregation and Neighborhood Change

CHAIR: Matthew Hall, Cornell University

DISCUSSANT: Christian Hess, Cornell University

DISCUSSANT: Jackelyn Hwang, Stanford University

10:45 AM-12:00 PM — Open Water

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- 123-1 **Changes in Residential Racial Segregation: A Demographic Decomposition Approach**  
Benjamin Elbers\*, Columbia University

- 123-2 **The Joint Distribution of Age and Race in Racially Integrated Neighborhoods**  
Christina Nelson\*

- 123-3 **The Neighborhood Attainment of Mixed-Race Couples Across the Black/White Spectrum**  
Ryan Gabriel\*, Brigham Young University; Jacob Rugh, Brigham Young University; Hannah Spencer; Aisha Tanner

- 123-4 **The Geography of Gentrification and Residential Mobility**  
Hyojung Lee, Virginia Tech; Kristin Perkins\*, Georgetown University

## 124 Invited: Issues on Both Our Borders: Migration and Politics Between Mexico and the United States

CHAIR: Patricia Vargas, Universidad de Guadalajara

DISCUSSANT: Andrew Seale, Migration Policy Institute

10:45 AM-12:00 PM — Open Water

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- 124-1 **Migratory Control, Mobility and Inclusion Processes of Population of Central American Origin in the Southern Border of Mexico**  
Martha Roja\*, El Colegio de la Frontera Sur

- 124-2 **A Safe Place To Land: The Changing Dynamics of Emigration Intentions in Central America and Mexico (2010–2018)**  
Jonathan Hiskey\*, Vanderbilt University

- 124-3 **Migration, Violence, and Organized Crime: the Relevance of Contextual, Individual, and Regional factors**  
Maria Estela Rivero-Fuente\*, Notre Dame University; Edith Yolanda Gutierrez Vazquez\*, Universidad de Guadalajara

- 124-4 **Central American Transit Migration Through Mexico: The Consolidation of Waiting Territories**  
Rosalba Jasso Vargas\*, Centro de Investigaciones Multidisciplinarias sobre Chiapas y la Frontera Sur UNAM

## 125 Alternative Family Forms and Child Well-being

CHAIR: Jake Hays, The Ohio State University

DISCUSSANT: Melissa Alcaraz, The Ohio State University

1:00 PM-2:15 PM — Open Water

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- 125-1 **It's Not the Economy, Stupid: The Role of Family Characteristics in Mothers' Transitions to Doubled-up Households**  
Hope Harvey\*, University of Kentucky; Rachel Dunifon, Cornell University

- 125-2 **"One Hand Does not Bring up a Child": Child Mobility in Urban Kenya**  
Cassandra Cotton\*, Arizona State University; Shelley Clark, McGill University; Sangeetha Madhavan, University of Maryland-College Park

- 125-3 **Children's Well-being in Sole and Joint Physical Custody Families**  
Anja Steinbach\*, University of Duisburg-Essen; Lara Augustijn, University of Duisburg-Essen

- 125-4 **The Role of Multigenerational Arrangements in Shaping the Geographical Contexts of Children**  
Mariana Amorim\*, Washington State University; Adriana Reyes, Cornell University; Shuangshuang Yang, Washington State University

## 126 Contact Patterns and Risk and Prevention of COVID-19

CHAIR: Malia Jones, University of Wisconsin-Madison

**DISCUSSANT:** Malia Jones, University of Wisconsin–Madison

**1:00 PM-2:15 PM — Open Water**

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**126-1 An Innovative Nonpharmaceutical Intervention to Mitigate COVID-19: Probability Sampling to Identify and Isolate Asymptomatic Cases**

Nathalie Williams, University of Washington; Xiaozheng Yao, Virginia Tech; Ankita Pal, University of Washington; Xiaolu Qian, University of Washington; Mansi Rathod, University of Washington; Chang Xu, University of Washington; Adrian Dobra\*, University of Washington

**126-2 Quantifying Population Contact Patterns in the United States During the COVID-19 Pandemic**

Dennis Feehan\*, University of California, Berkeley; Ayesha Mahmud, University of California, Berkeley

**126-3 The Role of the Demographic Structure and Patterns of Social Contacts in an Uncontrolled SARS-CoV-2 Pandemic**

Adriana Manna\*; Alessia Melegaro, Bocconi University; Nicoletta Balbo, Bocconi University; Francesco Billari, Bocconi University

**126-4 The Association Between Age, COVID-19 Symptoms, and Social Distancing Behavior in the United States**

David Canning, Harvard T.H. Chan School of Public Health; Mahesh Karra\*, Frederick S. Pardee School of Global Studies, Boston University; Rashmi Dayalu, Harvard T.H. Chan School of Public Health; Muqi Guo, Harvard University; David Bloom, Harvard University

**127 Innovations in Statistical and Formal Demography**

**CHAIR:** Jason Thomas, The Ohio State University

**DISCUSSANT:** Adrian Raftery, University of Washington

**1:00 PM-2:15 PM — Open Water**

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**127-1 Born Once, Die Once: Lifetable Relationships for Fertility**

Annette Baudisch\*, University of Southern Denmark; Jesus-Adrian Alvarez, Interdisciplinary Centre on Population Dynamics, University of Southern Denmark

**127-2 Validation and Mortality Forecasting: Establishing Method Validation Prior to Forecasting**

Ricarda Duerst\*, Max Planck Institute for Demographic Research; Christina Bohk-Ewald, University of Helsinki

**127-3 Forecasting Mortality by Causes of Death Coherent With the All-Cause Mortality Forecasts Using the Lee-Carter Model**

Julia Calazans\*, Cedeplar - Federal University of Minas Gerais; Bernardo Queiroz, CEDEPLAR

**127-4 Analyzing Cause-Specific Mortality Trends Using Compositional Functional Data Analysis**

Marco Stefanucci\*; Stefano Mazzuco, Universita di Padova

**128 Global Perspectives on Gender and Education**

**CHAIR:** Kate Prickett, Victoria University of Wellington

**DISCUSSANT:** Daniela Negraia, University of Oxford

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**128-1 The Impact of Expanded Contraceptive Access on Postsecondary Enrollment**

Sara Yeatman\*, University of Colorado Denver; Amanda Stevenson, University of Colorado, Boulder Department of Sociology; Katie Genadek, University of Colorado Boulder; Stefanie Mollborn, University of Colorado Boulder; Jane Menken, University of Colorado, Boulder

**128-2 The Long-Term Effect of the White Horse Birth Year on Women's Educational Outcome**

Soocheol Cho\*, Yonsei University; Dohoon Lee

**128-3 Keeping Girls in Schools Longer: The Kanyashree Approach in India**

Gitanjali Sen\*, Shiv Nadar University; Dhanushka Thamarapani, California State University Chico

**128-4 The Effects of Negative Economic Shocks at Birth on Adolescent's Cognitive Health and Educational Attainment in Malawi**

Fabrice Kampfen\*, University of Pennsylvania; Fatima Zahra, University of Pennsylvania; Hans-Peter Kohler, University of Pennsylvania; Rachel Kidman, Stony Brook University

**129 Socio-Spatial Inequality in Economic Well-being**

**CHAIR:** Megan Bea, University of Wisconsin-Madison

**DISCUSSANT:** Brian Levy, George Mason University

**1:00 PM-2:15 PM — Open Water**

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- 129-1 **Sequences of Demographic and Economic Change Across Small, Rural Places in the United States, 1980–2018**  
*Dylan Connor\*, Arizona State University; Myron Gutmann, University of Colorado Boulder; Lori Hunter, University of Colorado Boulder; Stefan Leyk, University of Colorado; Catherine Talbot, University of Colorado Boulder; Johannes Uhl, University of Colorado Boulder; Siqiao Xie, Arizona State University*
- 129-2 **Separation and Inequality: Income Segregation in the United States, 1990–2014**  
*Ann Owens\*, University of Southern California*
- 129-3 **The Changing Landscape of Affordable Housing in the Rural and Urban United States, 1990–2016**  
*Matthew Brooks\*, Pennsylvania State University*
- 129-4 **Distinct Migration Systems and Educational Sorting of U.S. Internal Migrants**  
*Marty Masek\*, Florida State University*

## **130 Family Structure and Child Well-being**

*CHAIR: Xing Zhang, Arizona State University*

*DISCUSSANT: Sneha Kumar, Cornell University*

**1:00 PM-2:15 PM — Open Water**

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- 130-1 **The Smaller the Better? Emerging Family Structure and the Well-being of Chinese Adults**  
*Haowei Wang\*, Pennsylvania State University; Ashton Verdery, Penn State; Rachel Margolis, University of Western Ontario*
- 130-2 **Examining the Relationship Between Transitions in the Presence of Parents or a Parent's Cohabiting Partner and Child Well-being**  
*Yeris Mayol-Garcia\*, U.S. Census Bureau; Zachary Scherer, U.S. Census Bureau*
- 130-3 **Union Formation, Within-Couple Dynamics, and Child Well-being in Global Comparative Perspective**  
*Ewa Batyra\*, University of Pennsylvania; Andres Castro, Max Planck Institute for Demographic Research; Luca Maria Pesando, Department of Sociology and Centre on Population Dynamics, McGill University; Frank Furstenberg, University of Pennsylvania; Hans-Peter Kohler, University of Pennsylvania*
- 130-4 **Sleep Hours and Quality Before and After Baby: Inequalities by Gender and Partnership**  
*Shih-Yi Chao\*, University of Southampton; Brienna Perelli-Harris, University of Southampton; Ann Berrington, University of Southampton; Niels Blom*

## **131 Flash: Union Formation**

*CHAIR: Fenaba Addo, University of North Carolina at Chapel Hill*

**1:00 PM-2:15 PM — Open Water**

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- 131-1 **Educational Hypogamy In India**  
*Koyel Sarkar\*, Universite Catholique de Louvain*
- 131-2 **Community Voting Patterns and Marriage Formation Before and After COVID-19**  
*Brandon Wagner\*, Texas Tech University; Kate Choi, University of Western Ontario*
- 131-3 **Marriage Delayed, Not Foregone? The Rising Midlife First Marriage Rate, 1990–2019**  
*Susan Brown\*, Bowling Green State University; I-Fen Lin, Bowling Green State University; Kagan Mellencamp, Bowling Green State University*
- 131-4 **Assortative Mating, Immigration, and Marriage Timing**  
*Maurice Anyawie\*, Bowling Green State University*
- 131-5 **Male Wage Inequality and Characteristics of “Early Mover” Marriages**  
*Terra McKinnish\*, University of Colorado; Hani Mansour, University of Colorado Denver*
- 131-6 **Avoidance of Marriage in South Korea**  
*Joeun Kim\*, Pennsylvania State University*
- 131-7 **The Demography of Swiping Right: An Overview of Couples Who Met Through Dating Apps**  
*Gina Potarca\*, NCCR LIVES*
- 131-8 **Union Formation and Assortative Mating Among Single Older Americans**  
*Alex Wambach\*, Brown University; Zhenchao Qian, Brown University*

## **132 The Impact of Household and Facility Factors on International Family Planning Programs**

*CHAIR: Nirali Chakraborty, Metrics for Management  
DISCUSSANT: Amanda Kalamar, Population Services International*

**1:00 PM-2:15 PM — Open Water**

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- 132-1 **The Mother-in-Law Effect: Heterogeneous Impacts of Counseling on Family Planning Practices in Jordan**  
*Rebecca Thornton, University of Illinois; Priyamita Ghosh\**
- 132-2 **Diagnosing Inequity in Family Planning Programs**  
*Kaja Jurczynska, Palladium; Shiza Farid\*, Avenir Health; Kevin Ward, Palladium; Lyubov Teplitskaya, Palladium; Kristin Bietsch, Avenir Health*
- 132-3 **Adding Youth-Focused Interventions to a Family Planning Program Increases Both Youth Contraceptive Use and That of Older Women**  
*Maheen Malik\**
- 132-4 **Does Quality of Care in Family Planning Services Differ Between Public and Private Health Sectors in India?**  
*Abhishek Kumar\*, Population Council*

## **133 Innovations in Measuring Sexual and Reproductive Health**

*CHAIR: Elizabeth Sully, Guttmacher Institute  
DISCUSSANT: Isaac Maddow-Zimet, Guttmacher Institute*

**1:00 PM-2:15 PM — Open Water**

- 
- 133-1 **Do Changes in Search Engine Queries on Contraception Terms Predict Changes in Birth Rates?**  
*Bozhidar Chakalov\*, University of California, Davis; Carrie Holschuh, San Francisco State University; Venoo Kakar, University of California; Anagha Kulkarni, San Francisco State University; Anastasia Smirnova, San Francisco State University; Sepideh Modrek, San Francisco State University*
- 133-2 **Temperature, Sexual Behavior, and the Internet: What Can We Learn From Google Searches?**  
*Joshua Wilde\*, Max Planck Institute for Demographic Research; Sophie Lohmann, Max Planck Institute for Demographic Research; Wei Chen, Fordham University*
- 133-3 **Gone and Forgotten? Constructing Fertility Histories and Sources of Bias**  
*Sharan Sharma\*, University of Maryland, College Park; Sonalde Desai, University of Maryland; Santanu Pramanik, National Council of Applied Economic Research; Om Sharma, NCAER; Debasis Barik, National Council of Applied Economic Research*
- 133-4 **“It Means the Body Is Back to Work”: A Mixed-Methods Study Exploring Women’s Perceptions of Terminology Surrounding Fertility and Menstrual Regulation in Nigeria**  
*Grace Sheehy\*, Johns Hopkins Bloomberg School of Public Health; Elizabeth Omoluabi, CRERD; Funmilola OlaOlorun, University of Ibadan, Ibadan, Nigeria; Caroline Moreau, INSERM/INED and Johns Hopkins School of Public Health; Suzanne Bell, Johns Hopkins Bloomberg School of Public Health*

## **134 Gender- and Sexuality-Based Violence**

*CHAIR: Anastasia Gage, Tulane University SPHTM/GCHB  
DISCUSSANT: Sunita Kishor, ICF International*

**1:00 PM-2:15 PM — Open Water**

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- 134-1 **Abused but “Not Insulted”: Understanding Intersectionality in Symbolic Violence**  
*Simantini Mukhopadhyay, Institute of Development Studies Kolkata; Trisha Chanda\*, University of Wisconsin-Madison*
- 134-2 **Sociodemographic Correlates of Intimate Partner Violence and Reproductive Coercion Among Arab American Women in Dearborn, Michigan**  
*Yasamin Kusunoki\*, University of Michigan; Angubeen Khan, UCLA; Jennifer Cruz, University of Michigan; Layla Elabed, ACCESS; Mona Makki, ACCESS; Madiha Tariq, ACCESS*
- 134-3 **Revisiting the Polygyny and Intimate Partner Violence Connection: The Role of Religion and Wife’s Rank in Nigeria**  
*Nkechi Owuo\*, IUSSP; Victor Agadjanian, University of California Los Angeles*
- 134-4 **The Silenced Women: Can Public Activism Stimulate Reporting of Violence Against Women?**  
*Abhilasha Sahay\**

## **135 Flash: Gender, Sexuality, Work, and Family**

*CHAIR: Katherine Weisshaar, University of North Carolina at Chapel Hill*

**1:00 PM-2:15 PM — Open Water**

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- 135-1 **Can Gender Ideologies Account for Regional Variation of the Gender Pay Gap in Germany?**  
Maik Hamjediers\*, Humboldt-University of Berlin
- 135-2 **The Relationship Between Gender Ideology and Education Around the World**  
Ansgar Hudde\*, Max Planck Institute for Demographic Research; Natalie Nitsche, Max Planck Institute for Demographic Research
- 135-3 **The Sex Gap in Hourly Pay Is Within Occupations and Within Employment Hours**  
Ian Lundberg\*, Princeton University
- 135-4 **Is There a Child Penalty in South Korea?**  
Narae Park\*, Michigan State University
- 135-5 **Convergence and Divergence in Spouses' Time Expenditures on Paid Labor, Housework, and Childcare During COVID-19: Evidence From Singapore**  
Poh Lin Tan\*, National University of Singapore; Emma Zang, Yale University; Thomas Lyttelton, Yale University; Anna Guo, Yale University
- 135-6 **The Reappearance of Traditional Gender Ideology in the Private Sphere: Gender Divide and the Role of Marital Status**  
Langou Lian\*, University of California, Irvine
- 135-7 **Migration and Agriculture: The Role of Female Farm Management in Rural India**  
Vidya Bharathi Rajkumar\*, Cornell University
- 135-8 **Identifying Latent Classes of Empowerment and the Factors That Cultivate Them Among Early Adolescent Girls in Bangladesh**  
Christina Misunas\*, Population Council; Sajeda Amin, Population Council

## **136 Life Course Approaches to Population Health**

*CHAIR: Taylor Hargrove, University of North Carolina at Chapel Hill*

*DISCUSSANT: Courtney Boen, University of Pennsylvania*

**1:00 PM-2:15 PM — Open Water**

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- 136-1 **Are Cognitive Impairment and Dementia Really Early-Life Problems? Early-Life Inequalities in Measures of Cognitive Function Used to Assess Impairment in Late Life**  
Nicole Schmidt\*, University of Minnesota; Mark Lee, University of Minnesota; John Warren, University of Minnesota; Eric Grodsky, University of Wisconsin; Chandra Muller, University of Texas-Austin; Jennifer Manly
- 136-2 **Upward Mobility Context and Racial Differences in Early Adulthood Mortality**  
Emma Zang, Yale University; Nathan Kim\*
- 136-3 **Deaths, Disparities, and Cumulative (Dis)advantage: How Social Inequities Shape Health in Later Life**  
Heide Jackson\*, University of Maryland; Michal Engelmaier, University of Wisconsin-Madison
- 136-4 **Lifelong Body Mass Index Trajectories and Mortality in Two Generations**  
Hui Zheng\*, The Ohio State University; Paola Echave, Ohio State University; Neil Mehta, University of Texas Medical Branch at Galveston; Mikko Myrskylä, Max Planck Institute for Demographic Research

## **137 Expanded Questions in Migration-Climate Research**

*CHAIR: Aarti Bhat,*

*DISCUSSANT: Mathew Hauer, Florida State University*

**1:00 PM-2:15 PM — Open Water**

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- 137-1 **Climate Change Contributes to Immobility: When Migration Cannot Be Used as an Adaptation Solution**  
Hélène Benveniste\*; Michael Oppenheimer, Princeton University; Marc Fleurbaey, Paris School of Economics
- 137-2 **Migration Toward Bangladesh Coastlines Projected to Increase With Sea-Level Rise Through 2100**  
Andrew Bell\*, David Wrathall, Oregon State University; Valerie Mueller, Arizona State University; Joyce Chen, Ohio State University; Michael Oppenheimer, Princeton University; Mathew Hauer, Florida State University; Helen Adams, King's College London; Scott Kulp, Climate Central; Peter

Clark, Oregon State University; Elizabeth Fussell, Brown University; Nick Magliocca, University of Alabama; Tingjin Xiao, Princeton University; Elisabeth Gilmore, Clark University; Kali Abel, Oregon State University; Maia Call, USDA; Aimée Slangen, Royal Netherlands Institute for Sea Research

- 137-3 **Climatic Variation as a Determinant of Rural-Rural Migration Destination Choice: Evidence From Tanzania**  
Zaneta Kubik\*, University of Bonn
- 137-4 **How Do Climate Shocks and Armed Conflict Affect Migration? A Case Study of Conflict, Climate, and Internal Migration in Zimbabwe, 2002–2012**  
Ruthie Burrows\*, University of Minnesota - Twin Cities; Jack DeWaard, University of Minnesota, Twin Cities

## 138 Health and Labor Market Impacts of (Im)Migration

CHAIR: Brian Finch, University of Southern California

DISCUSSANT: Alicia Adsera, Princeton University

DISCUSSANT: Joaquin Rubalcaba,

1:00 PM-2:15 PM — Open Water

- 138-1 **Large-Scale Migration to a Developing Country: Labor Market Effects of the Venezuelan Exodus to Peru**  
Cynthia Boruchowicz\*, Susan Parker, University of Maryland
- 138-2 **What About Immigration? The Closed-Population Assumption in Research on Intergenerational Income Mobility**  
Arthur Sakamoto, Texas A&M University; Ernesto Amaral\*, Texas A&M University; Shih-Keng Yen, Texas A&M University
- 138-3 **The Impact of International Immigration on the National Mortality Levels of Three Nordic Countries**  
Matthew Wallace\*, Stockholm University Demography Unit; Michael Thomas, Statistics Norway; Astri Syse, Statistics Norway; José Manuel Aburto, University of Southern Denmark; Laust Mortensen, Statistics Denmark
- 138-4 **Linking Labor Migration and Food Security in Rural Mozambique: Agricultural Investment, Asset Building, and Local Employment**  
Boaventura Cau\*, Eduardo Mondlane University; Victor Agadjanian, University of California Los Angeles

## 139 Gender, Sexuality, and Health

CHAIR: Ning Hsieh, Michigan State University

DISCUSSANT: Isabel Pike, Graduate Institute of International and Development Studies (IHEID)

1:00 PM-2:15 PM — Open Water

- 139-1 **A Longitudinal Analysis of Self-rated Health of Same-Sex Couples: Evidence From the Survey of Income and Program Participation**  
Yiwen Wang\*, University of Texas at Austin
- 139-2 **Takes Two to Tango? Cognitive Impairment and Sexuality in Older Individuals and Dyads**  
Linda Waite\*, University of Chicago; James Iveniuk, University of Toronto; Ashwin Kotwal, University of California, San Francisco
- 139-3 **Reporting on Sex at Older Ages in Rural South Africa: Gendered Insights From Surveys and Qualitative Life History Interviews**  
Nicole Angotti\*, American University; Erin Ice, University of Michigan; Brian Houle, The Australian National University; Enid Schatz, University of Missouri, Columbia; Sanyu Mojola, Princeton University; Francesc Gomez-Olive, University of the Witwatersrand
- 139-4 **Cohort Analysis of the State of Female Circumcision in Nigeria: Prevalence, Daughter Circumcision, and Attitude Toward Its Discontinuation**  
Babatunde Gbadebo\*, University of Ibadan; Adetokunbo Salawu, University of Ibadan; Rotimi Afolabi; Mobolaji Salawu, University of Ibadan; Adeniyi Fagbamigbe; Ayo Adebowale, University of Ibadan

## 140 The Demography of Crime and Punishment

CHAIR: Allison Dwyer Emory, University at Buffalo

DISCUSSANT: Amanda Geller, New York University (NYU)

1:00 PM-2:15 PM — Open Water

- 140-1 **Armed Conflict and Female Teen Marriage in Azerbaijan**  
Orsola Torrisi\*, The London School of Economics
- 140-2 **The Impact of Unconditional Police Reporting on Domestic Violence**

- 140-3 **Criminal Trajectories and Achieved Fertility in Early-Mid Adulthood**  
Brittany Ganser\*, Bowling Green State University; Karen Guzzo, Bowling Green State University

- 140-4 **Stubborn Differences: The Lasting Impact of Judicial Appointments on Criminal Sentencing**  
Jason Robey\*; Michael Massoglia; Michael Light, University of Wisconsin Madison

## 141 Invited: Long-Term Population Projections: A Roundtable Discussion Among Producers and Expert Consumers

*CHAIR: Daniel Goodkind, U.S. Census Bureau*

*DISCUSSANT: Eliya Zulu, African Institute for Development Policy (AFIDEP)*

*DISCUSSANT: Sonalde Desai, University of Maryland*

**1:00 PM-2:15 PM — Open Water**

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- 141-1 **Panelist**  
John Wilmoth\*, United Nations Population Division

- 141-2 **Panelist**  
Wolfgang Lutz\*, International Institute for Applied Systems Analysis

- 141-3 **Panelist**  
Christopher Murray\*, Institute for Health Metrics and Evaluation

## 142 Invited: Teaching Demography

*CHAIR: Lauren McClain, Western Kentucky University*

**1:00 PM-2:15 PM — Open Water**

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- 142-1 **How has Teaching Demography Evolved Over Time?**  
John Weeks\*, San Diego State University

- 142-2 **The Promises and Pitfalls of Demographic Categories and Categorization**  
Jack DeWaard\*, University of Minnesota, Twin Cities

- 142-3 **Using Population Data to Develop Empirically Grounded Arguments**  
Shannon Cavanagh\*, University of Texas at Austin

- 142-4 **Teaching Students how to Interpret Population Aging Data**  
Melanie Brasher\*, University of Rhode Island

## P4 P4 - COVID-19; Data and Methods; and Race and Ethnicity

**1:15 PM-2:45 PM — Open Water Poster Gallery**

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- P4-1 **Timing Is Everything: Identifying How the Legacy of Slavery Relationship Changes Over Time**  
Heather O'Connell\*, Louisiana State University; Katherine Curtis, University of Wisconsin-Madison; Alexander Mikulas, University of Wisconsin-Madison; Jack DeWaard, University of Minnesota, Twin Cities

- P4-2 **Examining the Reciprocity Between Perceived Discrimination and Health: A Longitudinal Perspective**  
Han Liu\*, State University of New York at Albany; Tse-Chuan Yang, University at Albany, SUNY

- P4-3 **Forms and Frequency of Vicarious Racial Discrimination and Health of African American Parents**  
Kathleen Holloway\*; Fatima Varner, The University of Texas at Austin

- P4-4 **The Impact of “Ban the Box” Policies on Housing Discrimination**  
Marina Gorzig\*, St. Catherine University; Deborah Rho; Karisa Johnson; Mumtas Mohamed , University of St. Thomas ; Giang Nguyen, University of St. Thomas ; Cheyanne Simpson, University of St. Thomas ; Emily Young, St. Catherine University ; Deborah Rho

- P4-5 **Drawing Alternative Color Lines: Chinese Baristas and Their Racial Projects in Contemporary Italy**  
Ting Deng\*, Brown University

- P4-6 **The Effect of Racial Discrimination on Mental and Physical Health: A Propensity Score Approach**  
Allen Mallory\*, University of Texas Austin; Shanting Chen

- P4-7 **The Paradox of Indian American Birth Weight: A Population Update**  
Abhishek Shankar\*, Preeyanka Rao; Deepak Venkatasubramanian, *University of North Carolina at Chapel Hill; Anum Imran*
- P4-8 **Cohort, Signaling, and Early-Career Dynamics: The Hidden Significance of Class in Black-White Earnings Inequality**  
chunhui ren\*
- P4-9 **The Contribution of Redlining to Residential Segregation in the United States, 1990–2010: A Decomposition Analysis**  
Ankit Rastogi\*, *University of Wisconsin-Madison*
- P4-10 **Structural Racism and the Time Use of Black and White American Teens**  
Linnea Evans\*, Julia Gardner, *Northern Arizona University*
- P4-11 **Are Hispanics Healthier in the Past Decade?**  
Chengming Han\*
- P4-12 **Multiracial Identity and Educational Attainment**  
Taylor Aquino\*, *University of California - Los Angeles*
- P4-13 **Income Inequality, Education, and Caste in India: Evidence From India Human Development Surveys**  
Omkar Joshi\*, *University of Maryland*
- P4-14 **Social Structure, Employment Choice, and Welfare: Evidence From India**  
Venkat Nadella\*, *Indian Institute of Science*
- P4-15 **Racial Differences in Violent Mortality: The South African Context**  
Lutendo Malisha\*, *Statistics South Africa*
- P4-16 **Factors Associated With County Racial/Ethnic Composition, Opioid Positivity, and Alcohol Intoxication Among American Indian/Alaska Native Suicide Decedents, 2003–2015**  
Amelia Mueller-Williams\*
- P4-17 **Assessing Changes in Population and Racial Inequality Across Different County Typologies**  
Ruben Ortiz\*, *Economic Research Service; Stephanie Bohon, University of Tennessee*
- P4-18 **Using Computational Text Analysis for Identifying Topics in the Literatures About Integration of Immigrants, 1964–2019**  
Yao Robert Djogbenou\*, *Université de Montréal; Visseho Adjewanou, Université du Québec à Montréal; Solene Lardoux, University of Montreal*
- P4-19 **Gender and Children's Racial Classification in Interracial Brazilian Families**  
Carolina Aragão\*, *University of Texas at Austin*
- P4-20 **The Life Cycle of the Amazonian Indigenous Household and Their Livelihoods: Changes in the Last 20 Years and Their Future Perspectives**  
Rosa Salinas Castro\*, Alisson Barbieri, *Universidade Federal de Minas Gerais; Richard Bilsborrow, University of North Carolina at Chapel Hill*
- P4-21 **Two Worlds of Benefits: Race, Region, and the Works Progress Administration**  
José Aveldanes\*; José Aveldanes
- P4-22 **The Demography of COVID-19 Deaths: A Gateway to Well-Documented International Data**  
Arianna Caporali\*, *Institut National d'Études Démographiques (INED); Jenny Garcia, Institut National d'Études Démographiques (INED); Svitlana Poniakina, Institut National D'études Demographiques; Magali Barbieri, Institut National d'Études Démographiques (INED); Emmanuelle Cambois, INED; Carlo Camarda, Institut National d'Études Démographiques (INED); France Mesle, Institut national d'études démographiques (INED); Jean-Marie Robine, INSERM / U1198; Catalina Torres, Institute For Demographic Studies (INED)*
- P4-23 **Progress Report: The Wisconsin Longitudinal Study**  
Carol Roan\*, *University of Wisconsin–Madison; Kamil Sicinski, University of Wisconsin–Madison*
- P4-24 **Secondary Data Resources to Examine the Aging Life Course: The National Archive of Computerized Data on Aging (NACDA)**  
Kathryn Lavender, *National Archive of Computerized Data on Aging; James McNally\*, National Archive of Computerized Data on Aging*
- P4-25 **Essential in Name Only: How COVID-19 Has Highlighted Discrepancies in Worker Compensation for the Essential Workforce**  
Sophia Foster\*, *University of Minnesota-Twin Cities; Megan Schouweiler, University of Minnesota-Twin Cities*
- P4-26

# The Medicare Current Beneficiary Survey (MCBS): Providing Unique Access to Data on the Medicare Population

Sarah Hoyt\*, NORC at the University of Chicago

- P4-27 **Dynastic Effects Across Complex Traits: Evidence From the Framingham Heart Study**  
Andrew McMurtin\*
- P4-28 **Effect of Income Inequality on the COVID-19 Pandemic: Evidence From European Countries**  
David Sanchez Paez\*, Université catholique de Louvain
- P4-29 **Impacts of the COVID-19 Pandemic on Rural America**  
J. Tom Mueller, Utah State University; Kathryn McConnell\*, Yale University; Paul Burow, Yale University; Katie Pofahl, Yale University; Alexis Merdjanoff, New York University; Justin Farrell, Yale University
- P4-30 **COVID-19 Mortality Among Native Americans**  
Katherine Leggat-Barr\*, Fumiya Uchikoshi, Princeton University; Noreen Goldman, Princeton University
- P4-31 **COVID-19 Trends Among Adults With Intellectual and Developmental Disabilities (IDD) Living in Residential Group Homes in New York State**  
Scott Landes\*, Syracuse University
- P4-32 **STEM Retention and Job Satisfaction in the COVID-19 Era**  
Sharon Sessler, Cornell University; Alexandra Cooperstock\*, Cornell University
- P4-33 **Family Relationships, Stress, and Tiredness During and After COVID-19: How Did Essential Workers Fare?**  
Jeremy Lim\*, National University of Singapore; Poh Lin Tan, National University of Singapore
- P4-34 **Excess mortality during the Covid-19 pandemic in Italy: does crossing the regional borders matter?**  
Benedetta Pongiglione, Bocconi University; Oriana Ciani\*, Bocconi University
- P4-35 **The Impact of COVID-19 on Fertility Plans in Italy, Germany, France, Spain, and the United Kingdom**  
FRANCESCA LUPPI\*, Bruno Arpino, University of Florence; Alessandro Rosina, Università Cattolica del Sacro Cuore
- P4-36 **Gender Differences in Risk Perception of COVID-19: An Indian Perspective**  
Ruchi Jain\*, National Council of Applied Economic Research; Sumiran Chandra, National Council of Applied Economic Research; Santanu Pramanik, National Council of Applied Economic Research; Sonalde Desai, University of Maryland; Dinesh Kumar Tiwari, National Council of Applied Economic Research
- P4-37 **How Are COVID-19 Concerns, Experiences, And Health-Related Implications Different for Adolescent Boys and Girls in Shanghai? Results From the Global Early Adolescent Study**  
Mengmeng Li\*, Johns Hopkins Bloomberg School of Public Health; Chunyan Yu, Shanghai Institute of Planned Parenthood Research (SIPPR); Xiayun Zuo, Shanghai Institute of Planned Parenthood Research (SIPPR); Celia Karp, Johns Hopkins Bloomberg School of Public Health; Astha Ramaiya, Johns Hopkins Bloomberg School of Public Health; Robert Blum, Johns Hopkins University; Caroline Moreau, INSERM/INED and Johns Hopkins School of Public Health
- P4-38 **Are Family Learning Environments Related to Children's Education Inequality in the Pandemic?**  
Ting Shen\*
- P4-39 **Linking Excess Mortality to Mobility Data During the COVID-19 Pandemic in England and Wales**  
Ugo Filippo Basellini\*, Max Planck Institute for Demographic Research; Diego Alburez-Gutierrez, Max Planck Institute for Demographic Research; Emanuele Del Fava, Max Planck Institute for Demographic Research; Daniela Perrotta; Marco Bonetti, Bocconi University; Carlo Camarda, Institut National d'Études Démographiques (INED); Emilio Zagheni, Max Planck Institute for Demographic Research
- P4-40 **The Varying and Unequal COVID-19 Impacts on Labour Earnings, Time Use, and Well-being Across Different Stages of the Lockdown in the United Kingdom**  
Man Yee Kan\*, University of Oxford; Muzhi ZHOU, University of Oxford
- P4-41 **College Students' Nonmarital Living Arrangements and COVID-19 Risk Behaviors**  
Tyler Myroniuk, University of Missouri; Enid Schatz\*, University of Missouri, Columbia; Michelle Teti, University of Missouri; Joan Hermsen, University of Missouri
- P4-42 **Drinking Water Contamination and COVID-19 Mortality in the United States**  
Kelly Hyde\*, University of Pittsburgh
- P4-43 **Unequal Effects of the COVID-19 Pandemic on Latin American Scientists**  
Constanza Hurtado\*, University of Maryland
- P4-44 **A District-Level Susceptibility and Vulnerability Assessment of the COVID-19 Pandemic Footprint in India**

Md Juel Rana\*, Jawaharlal Nehru University; Kashif Imdad , Chhatrapati Shahu Ji Maharaj University; Mehebub Sahana , University of Manchester; Ismail Haque, Jawaharlal Nehru University; Priyank Pravin Patel , Presidency University; Malay Pramanik , Asian Institute of Technology

P4-45 **Time Difference in Health-Seeking Behaviors and Healthcare Provision: A Case Study on COVID-19 Infections in Shaanxi Province, China**

Wenyuan Zheng, School of Insurance, Southwestern University of Finance and Economics, Chengdu, China; Fabrice Kampfen, University of Pennsylvania; Zhiyong Huang\*, Southwestern University of Finance and Economics

P4-46 **The Spatial Inequities of COVID-19 Case Rates and Renter Vulnerability in San Francisco County**

Amber Crowell\*, California State University, Fresno

P4-47 **Adoption of EdTechs for Learning During the COVID-19 Pandemic: The Experiences of Marginalized and Vulnerable Populations**

Volian Ochieng\*, African Population and Health Research Center; Moses Ngware, African Population and Health Research Center

P4-48 **Gendered Social, Economic, and Secondary Health Effects of the COVID-19 Pandemic and Mitigation Policies in Nairobi, Kenya**

Jessie Pinchoff\*, Population Council; Karen Austrian, Population Council, Kenya; Nandita Rajshekhar, independent; Timothy Abuya, Population Council, Kenya; Beth Kangwana, Population Council; Rhoune Ochako, Population Council; James B Tidwell, World Vision; Daniel Mwanga, Population Council; Eva Muluve, Population Council; Faith Mbushi, Population Council; Mercy Nzioki, Population Council; Thoai Ngo

P4-49 **Movement Patterns During COVID-19 Travel Restrictions Within Urban Informal Settlements in Nairobi, Kenya**

Jessie Pinchoff\*, Population Council; Cara Kraus-Perrotta, Population Council; Karen Austrian, Population Council, Kenya; James B Tidwell, World Vision; Timothy Abuya, Population Council, Kenya; Daniel Mwanga, Population Council, Kenya; Beth Kangwana, Population Council; Rhoune Ochako, Population Council; Eva Muluve, Population Council; Faith Mbushi, Population Council; Mercy Nzioki, Population Council; Thoai Ngo

P4-50 **Effect of Social Distancing on COVID-19 Incidence in Brazil**

José Henrique Monteiro da Silva, Economic Commission for Latin America and the Caribbean; Raphael Guimarães\*, Oswaldo Cruz Foundation; Gustavo Brusse, UNICAMP

P4-51 **Impact of COVID-19 on Perceived Risk Perception: An Exploratory Study Using Online Survey Method in India**

Ajay Singh\*, IPE Global; Ruchi Jain, National Council of Applied Economic Research

P4-52 **Racial Segregation and COVID-19 in the Area of West Texas**

Nadia Flores-Yeffal\*, Texas Tech University

P4-53 **The Effects of COVID-19 on Internal Migration in the United States**

Thomas Foster\*, U.S. Census Bureau; Lee Fiorio, University of Washington; Mark Ellis, University of Washington

P4-54 **Return Migration of International Students During COVID-19 Pandemic in China**

Zai Liang, State University of New York at Albany; Nan Wang, Xi'an Jiaotong University; Yuanfei Li\*, University at Albany, SUNY; Zhongshan Yue, Xi'an Jiaotong University

P4-55 **Going Solo in a Pandemic: A Longitudinal Time Diary Study of Social Engagement and Media Consumption for Single and Partnered Respondents Before and During COVID-19**

Robert Rinderknecht\*, Daniela Negraia, University of Oxford; Kelsey Drotning, University of Maryland, College Park; Long Doan; Liana Sayer, University of Maryland; Jessica Fish, University of Maryland; Emilio Zagheni, Max Planck Institute for Demographic Research

P4-56 **Influence of Age and Level of Education on COVID-19 Prevention Practice in Southwest Nigeria**

Olanrewaju Eniade\*, Dolapo Agbana, University of Ibadan; Bridget Afam, University of Ibadan

P4-57 **COVID-19 and the Future of U.S. Fertility: What Can We Learn From Google?**

Joshua Wilde, Max Planck Institute for Demographic Research; Sophie Lohmann\*, Max Planck Institute for Demographic Research; Wei Chen, Fordham University

P4-58 **Projected Financial Impact of the COVID-19 Crisis on Canadian University Revenues for 2020–2021**

Andre Lebel\*, Andrija Popovic, Statistics Canada; Christopher Mathias, Statistics Canada

P4-59 **Is Time on Our Side? Examining COVID-19 Racial Disparities by Age Over Time in the United States**

Madeleine Fabic\*, US Agency for International Development (USAID); David Bishai, Johns Hopkins University; Yoonjoung Choi, iSquared

P4-60 **Women's Economic Empowerment and COVID-19: Results From Kenya, Burkina Faso, Nigeria, and the Democratic Republic of Congo**

Philip Anglewicz\*, Johns Hopkins University; Carolina Cardona, Johns Hopkins Bloomberg School of Public Health; Elizabeth Gummerson; Michele Decker; Celia Karp, Johns Hopkins Bloomberg School of Public Health; Shannon Wood, Johns Hopkins Bloomberg School of Public Health; Linnea

- P4-61 **COVID-19 Knowledge and Behaviors: Results From Kenya, Burkina Faso, the Democratic Republic of Congo, and Nigeria**  
Philip Anglewicz\*, Johns Hopkins University; Scott Radloff; Elizabeth Gummerson; Saifuddin Ahmed, Johns Hopkins University; Caroline Moreau, INSERM/INED and Johns Hopkins School of Public Health; Blake Zachary; Linnea Zimmerman, Johns Hopkins Bloomberg School of Public Health; Georges Guiella, University of Montreal
- P4-62 **Risk Perception and Anxiety Associated With COVID-19 Among Mexican Adults**  
Carla Pederzini\*, Universidad Iberomericana; Estela Rivero Fuentes, University of Notre Dame
- P4-63 **Excess Mortality During the COVID-19 Pandemic in Philadelphia: Comparisons by Sex, Race, and Age**  
Megan Todd\*, Philadelphia Department of Public Health
- P4-64 **The Gender Gap Reversal in Educational Attainment and Age Differences in Marital and Nonmarital Unions Across Europe**  
Andre Grow\*, Max Planck Institute for Demographic Research; Jan Van Bavel, KU Leuven - University of Leuven
- P4-65 **Small Area Population Estimates From Consumer Data: An Application of Bayesian Demographic Methods**  
Arthur Acolin, University of Washington; Matthew Hall\*, Cornell University; Ari Decker-Fraim
- P4-66 **Length-Biased Sampling as a Unifying Concept in Population Studies**  
Elizabeth Wrigley-Field\*, University of Minnesota, Twin Cities
- P4-67 **Assessing Routes to Improved Mortality Monitoring: The Kerala MARANAM Study**  
Aashish Gupta, Population Studies Center, University of Pennsylvania; Sneha Mani\*, University of Pennsylvania
- P4-68 **Racial-Ethnic Differences in Case Fatality Ratio Changed After Age Standardization**  
Ishaan Pathak\*, Li Liu, Johns Hopkins University; Yoonjoung Choi, iSQUARED Global; Dazhi Jiao, Johns Hopkins; Diana Yeung , Johns Hopkins School of Public Health
- P4-69 **A Systematic Assessment of National Under-5 Mortality Rate by Place of Residence for 112 Countries**  
Fengqing Chao\*, King Abdullah University of Science and Technology; Danzhen You, UNICEF; Lucia Hug; Jon Pedersen, Fafo; Hernando Ombao, King Abdullah University of Science and Technology; Leontine Alkema, University of Massachusetts Amherst
- P4-70 **Is Retirement More Unequal Than We Think? Income and Poverty Estimates From the Survey of Income and Program Participation Linked to Administrative Records**  
Daniel Thompson\*, United States Census Bureau
- P4-71 **POPP: Project for the Optical Character Recognition of Parisian Population Censuses, 1926–1946**  
Sandra Bree\*
- P4-72 **Bayesian Projections of the Total Fertility Rate for Improvements in Education and Family Planning**  
Daphne Liu\*, University of Washington; Adrian Raftery, University of Washington
- P4-73 **Novel Approaches for Evidence-Based Health Policies for Maternal Mortality in Low- and Middle-Income Countries: Small Area Estimation of Population Data**  
Opeyemi Latona\*, University of Ibadan; Joshua Akinyemi, University of Ibadan; Olusola Ayeni, University of Ibadan, Ibadan. Nigeria.
- P4-74 **An Analysis of Time-Series Models for Age-Specific Mortality Rates in India**  
Aritra Sen\*, International Institute for Population Sciences; Shalmoli Dutta
- P4-75 **Latent Attitude Method for Trend Analysis With Pooled Survey Data**  
Donghui Wang\*, Renmin University of China; Yu Xie, Princeton University ; Junming Huang , Princeton University
- P4-76 **Estimating Unmet Need for Modern Contraceptives Among All Unmarried Women Based on Total Exposure to Sex Using Time-Since-Last-Sex Data**  
Chi Hyun Lee\*; Leontine Alkema, University of Massachusetts Amherst
- P4-77 **Lifestyle Disease Surveillance Using Population Search Behavior: Feasibility Study**  
Shahan Ali Memon\*, Saquib Razak, Carnegie Mellon University; Ingmar Weber, Qatar Computing Research Institute, HBKU
- P4-78 **Does First Involvement in Romantic Relationship Increase Self-esteem? A Counterfactual Approach**  
Yue-Wen Peter Li\*, Chi Chiao, National Yang-Ming University; Wen-Hsu Lin
- P4-79 **The Discursive Framing of Immigration in the Turkish Twittersphere**  
Huseyin Zeyd Koytak\*, Muhammed Hasan Celik, University of California, Irvine

- P4-80 **Decomposition Analysis by Cause of Death for the Modal Age at Death Using the Linear Difference Model**  
 Futoshi Ishii\*, Keio University
- P4-81 **Mapping Azerbaijan's Social Inequality and Environmental Vulnerability**  
 Chelsea Lissette Cervantes de Blois\*, University of Minnesota, MPC; Jeremy Tasch, Towson University; Rovshan Abbasov, University of Khazar
- P4-82 **Mining Twitter Data to Identify Feminist Issues: Topic Modeling of Tweets From India**  
 Nabamallika Dehingia\*, Anita Raj, University of California San Diego
- P4-83 **Measuring Catastrophe in Paying for Healthcare: A Comparative Methodological Approach by Using National Sample Survey in India**  
 Rinshu Dwivedi\*, National Institute of Technology Rourkela; Atha Ramesh
- P4-84 **A Nonparametric Approach to the Race Differentials in the Credit Market**  
 Jeonghun Kim\*, University of Missouri
- P4-85 **Measuring Women's Ownership of Resources: A Comparison of Survey Question Construction Across Nationally Representative Surveys**  
 Jessica Heckert\*, International Food Policy Research Institute; Mai Mahmoud, Tufts University; Kalyani Raghunathan, International Food Policy Research Institute; Greg Seymour
- P4-86 **Partitioning of Historical Time Trends in Prevalence and Mortality of Alzheimer's Disease and Related Dementias and Associated Racial Disparities**  
 Igor Akushevich\*, Duke University; Arseniy Yashkin, Duke University; Julia Kravchenko, Duke University School of Medicine; Anatoliy Yashin, Duke University
- P4-87 **Understanding the Patterns and Intentions Around Marriage and Pregnancy Among Adolescent Girls Since the Onset of the COVID-19 Pandemic in Four Counties in Kenya**  
 Christina Misunas, Population Council; Karen Austrian\*, Population Council, Kenya
- P4-88 **A Fine-Grained, Versatile Index of Remoteness to Characterize Place-Level Rurality**  
 Johannes Uhl, University of Colorado Boulder; Stefan Leyk\*, University of Colorado; Lori Hunter, University of Colorado Boulder; Catherine Talbot, University of Colorado Boulder; Dylan Connor, Arizona State University; Jeremiah Nieves, University of Colorado; Myron Gutmann, University of Colorado Boulder
- P4-89 **Combining Cox Regression and Fairlie Decomposition Models: A Proposal of a Nonlinear Causal Method to Analyze the Explanatory Factors of Inequalities**  
 Henri Fika\*, IFORD
- P4-90 **The Impact of Disclosure Control on Accuracy and Usability of the 2020 Census**  
 Steven Ruggles, University of Minnesota; Catherine Fitch, University of Minnesota; Tracy Kugler, Minnesota Population Center, University of Minnesota; Jonathan Schroeder, Minnesota Population Center, University of Minnesota; David Van Riper\*, Minnesota Population Center, University of Minnesota

## 143 Dyadic Understandings of Families and Health

CHAIR: Monir Hossain,

DISCUSSANT: Patricia Drentea,

2:30 PM-3:45 PM — Open Water

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- 143-1 **Adult Child Socioeconomic Disadvantage and Cognitive Decline Among Older Adult Mexican Parents**  
 Jacqueline Torres, University of California, San Francisco; Jenjira Yahirun\*, Bowling Green State University; Connor Sheehan, Arizona State University; Mingming Ma, Shanghai University of Finance and Economics; Joseph Saenz, University of Southern California
- 143-2 **Adult Children's Marital Dissolution and Older Parents' Mental Health in South Korea**  
 Pei-Chun Ko\*, Singapore University of Social Sciences; Pildoo Sung, Duke-NUS Medical School
- 143-3 **The Effects of Involuntary Job Losses on Depressive Symptoms Within Couples**  
 Anna Baranowska-Rataj\*, Umeå University; Alejandro Vega, Umeå University
- 143-4 **Together in Sickness and in Health: Spillover of Physical, Mental, and Cognitive Health Among English Older Couples**  
 Mingming Ma\*, Shanghai University of Finance and Economics; Urvashi Jain, University of South Alabama

## 144 Estimates and Projections: Populations in Decline

**CHAIR:** Shonel Sen, University of Virginia

**DISCUSSANT:** Robert Rhatigan, 1 University of New Mexico

**2:30 PM-3:45 PM — Open Water**

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**144-1 An Evaluation of the Risk of Becoming Uninhabited at the Small Area Scale by Logit Models: Using Projected Population of Japan**

Takashi Inoue, Aoyama Gakuin University; Nozomu Inoue\*, National Institute of Population and Social Security Research

**144-2 Demographic Analysis Estimates of Net Coverage Error in the 2020 Census**

Eric Jensen\*, U.S. Census Bureau; Christine Hartley, U.S. Census Bureau

**144-3 An Indirect Assessment of Infant Mortality Estimates in India: A Modified Approach**

Prashant Verma\*, Banaras Hindu University; Mukti Khetan, Indian Institute of Technology Bombay

**144-4 Who Will Live Alone? The One-Person Households in China, 2010–2050**

Wei-Jun Yeung\*, National University of Singapore; Qiushi Feng, National University of Singapore; Zhenglian Wang, Duke University; Yi Zeng, Duke University & Peking University

**145 COVID-19 and Job Loss**

**CHAIR:** Patrick Denice, University of Western Ontario

**DISCUSSANT:** Jennie Brand, University of California, Los Angeles

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**145-1 Derailed by the COVID-19 Economy? An Intersectional Analysis of Older Adults by Age, Gender, Race/Ethnicity, and Social Class**

Phyllis Moen\*, University of Minnesota; Joseph Pedtke, University of Minnesota; Sarah Flood, University of Minnesota

**145-2 Current and Future Food Insecurity During COVID-19: Examining Disparities by Race/Ethnicity and Recent Work Loss**

Claire Altman\*, University of Missouri, Columbia; Molly Dondero, American University; Dashiell Nusbaum, American University; Colleen Heflin, Syracuse University

**145-3 The Unequal Impact of COVID-19 on Children’s Economic Vulnerability**

Anna Bokun, University of Minnesota-Twin Cities; Jessie Himmelstern; Wonjeong Jeong; Ann Meier\*, University of Minnesota; Kelly Musick, Cornell University; John Warren, University of Minnesota

**145-4 Health Insurance, Policy, Job Loss, and Hardship in the COVID-19 Crisis**

Sanders Korenman\*, CUNY Institute for Demographic Research; Rosemary Hyson, CUNY Institute for Demographic Research and Marxe School of Public and International Affairs

**146 Formal Demography—Innovations in Theory and Methods**

**CHAIR:** Eungang Choi, The Ohio State University

**DISCUSSANT:** Dennis Feehan, University of California, Berkeley

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**146-1 Production, Reproduction, and the Evolution of Social Organization**

Ronald Lee\*, University of California, Berkeley; C. Y. Cyrus Chu, Academia Sinica

**146-2 Mortality Change and Child Survival From the Point of View of a Prospective Mother**

Iván Williams\*, University of Buenos Aires; Diego Alburez-Gutierrez, Max Planck Institute for Demographic Research

**146-3 Healthy Longevity From Incidence-Based Models: More Kinds of Health Than Stars in the Sky**

Hal Caswell\*, University of Amsterdam; Silke van Daalen, University of Amsterdam

**147 Gender, Socialization, and Education**

**CHAIR:** Jennifer Augustine, University of South Carolina

**DISCUSSANT:** Dara Shifrer, Rice University

**2:30 PM-3:45 PM — Open Water**

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**147-1 To Try or Not to Try? The Effects of Biology and Gendered Occupational Expectation on Majoring in STEM**

Meng-Jung Lin\*, UNC-Chapel Hill

- 147-2 **Competence Beliefs, Gender, and Educational Disparities**  
*Daniela Urbina\*, Princeton University; Jennifer Jennings, Princeton University*

- 147-3 **Nevertheless, She Persisted: Gender, Grit, and Advancement**  
*Scott Abrahams\*; Marwa AlFakhri, Duke University*

- 147-4 **Biased Teachers and Gender Gap in Learning Outcomes: Evidence From India**  
*Sonali Rakshit, Arizona State University; Soham Sahoo\**

## **148 Job Instability and Unemployment**

*CHAIR: Ravaris Moore, University of California -Los Angeles*

*DISCUSSANT: David Pedulla,*

**2:30 PM-3:45 PM — Open Water**

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- 148-1 **The Optimism Paradox: Economic Independence and Outlook for Future Among Young Adults in the United States and China**

*Langou Lian\*, University of California, Irvine; Feng Wang, University of California-Irvine*

- 148-2 **Work Instability in Washington Low-Wage Jobs**  
*Hilary Wething\**

- 148-3 **Birth Outcomes Following Unexpected Job Loss: A Matched Sibling Design**  
*Samantha Gailey\*, University of California, Irvine; Tim-Alen Bruckner, University of California, Irvine*

- 148-4 **Impacts of Unemployment Insurance Modernization on Unemployment Duration by Gender and Marital Status**  
*Joanna Venator\*, University of Wisconsin-Madison*

## **149 Romantic Relationships, Family Relationships, and Mental Health**

*CHAIR: Xing Zhang, Arizona State University*

*DISCUSSANT: Rin Reczek, The Ohio State University*

**2:30 PM-3:45 PM — Open Water**

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- 149-1 **Sibling Relationship Quality and Mental Health: The Effects of Sibling Type**  
*Lindsey Aldrich\*, Bowling Green State University; Kei Nomaguchi, Bowling Green State University*

- 149-2 **Better to Have Loved and Lost? The Impact of Relationship Status and Transitions on Young Women's and Men's Mental Health in Sub-Saharan Africa**  
*Ellen Compernolle\*, University of Chicago; Jenny Trinitapoli, University of Chicago*

- 149-3 **With a Little Help From Grandparents? Depression Trajectories Among Separating Mothers**  
*Niina Metsä-Simola\*, University of Helsinki; Anna Baranowska-Rataj, Umeå University; Hanna Remes, University of Helsinki; Mine Kühn, Max Planck Institute for Demographic Research; Pekka Martikainen, University of Helsinki*

- 149-4 **Romantic Relationship Involvement in the Context of Parental Death: Are Relationships Protective for Mental Health?**  
*Sara Mernitz, University of Texas at Austin; Michael Garcia\*, University of Texas at Austin*

## **150 Methods to Improve Abortion Measurement**

*CHAIR: Onikepe Owolabi, Guttmacher Institute*

*DISCUSSANT: Suzanne Bell, Johns Hopkins Bloomberg School of Public Health*

**2:30 PM-3:45 PM — Open Water**

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- 150-1 **Estimating Prevalence of Abortion Using List Experiments: Findings From a Survey of Women in Delaware and Maryland**

*Alexandra Kissling\*, University of Maryland; Heide Jackson, University of Maryland*

- 150-2 **An Exploratory, Mixed-Methods Study to Improve Survey Reporting of Abortion**  
*Jennifer Mueller, Guttmacher Institute; Marielle Kirstein; Alicia VandeVusse\*, Laura Lindberg, Guttmacher Institute*

- 150-3 **Measuring Abortion Through Weak Ties: An Assessment of an Application of the Network Scale-up Method to Collect Information on Abortion Safety**

- 150-4 **Association Between Abortion Motivation and Abortion Safety in Ghana**  
Jalang Conteh\*, University of California, Berkeley; Maureen Lahiff, University of California, Berkeley; Kim Harley, University of California, Berkeley;  
Karen Weidert, University of California, Berkeley; Ndola Prata, University of California, Berkeley

## 151 Fertility and Intergenerational Relationships

CHAIR: Luoman Bao, California State University, Los Angeles

DISCUSSANT: Keera Allendorf, Indiana University

2:30 PM-3:45 PM — Open Water

- 151-1 **Fertility and Fostering: Evidence From Sub-Saharan Africa**  
Tamara McGavock\*, Grinnell College
- 151-2 **Public Pension and Child Care Provision in Intergenerational Settings: The Case of South Korea**  
Jeongsoo Kim, University of Texas at San Antonio; Jeongsoo Kim\*, University of Texas Health Science Center at San Antonio
- 151-3 **How Parental Incarceration Shapes the Timing and Structure of Fertility for Children of Incarcerated Parents**  
Erin McCauley\*
- 151-4 **Longer Lives, Later Births: Generational Overlap in Denmark and the United States**  
Marcia Carlson\*, University of Wisconsin-Madison; Peter Fallesen, Rockwool Foundation

## 152 COVID-19: Racial and Ethnic Disparities

CHAIR: Christy Erving, Vanderbilt University

DISCUSSANT: Sara Chaganti, Federal Reserve Bank of Boston

2:30 PM-3:45 PM — Open Water

- 152-1 **Healthy, Wealthy, and Alive? Linking COVID-19 Deaths, Wealth, and Race in America**  
Chinyere Agbai\*, Brown University
- 152-2 **Reductions in 2020 U.S. Life Expectancy Due to COVID-19 and the Disproportionate Impact on the Black and Latino Populations**  
Theresa Andrasfay\*, University of Southern California; Noreen Goldman, Princeton University
- 152-3 **Spatial Variation in COVID-19 Mortality in New York City and Its Relation to Communities of Color and Immigrants**  
Samantha Friedman\*, University at Albany-SUNY; Tabassum Insaf, New York State Department of Health; Temilayo Adeyeye, New York State Department of Health; Jin-wook Lee, University at Albany, SUNY
- 152-4 **Social Inequality and COVID-19 Infections and Deaths Across U.S. Counties**  
Tim Liao\*, University of Illinois; Fernando De Maio, American Medical Association

## 153 Flash: Policies, Health, and Well-being

CHAIR: Tia Palermo, University at Buffalo

2:30 PM-3:45 PM — Open Water

- 153-1 **How Do State Policies Shape Experiences of Household Job Loss and Mental Health During the COVID-19 Pandemic?**  
Rachel Donnelly\*, Vanderbilt University; Mateo Farina, University of Southern California
- 153-2 **Child Marriage or Statutory Rape? A Comparison of Law and Practice in the United States Since the Year 2000**  
Kaya Van Roost, McGill University; Miranda Horn, McGill University; Alissa Koski\*, UCLA
- 153-3 **Income, Health, and Well-being: Evidence From Pension Eligibility**  
Vahé Nafilyan\*, King's College London; Ludovico Carrino, King's College London
- 153-4 **Long-Term Impacts of Medical Education Reform on Local Children: Evidence From the Area Health Education Center Program**  
Xuechao Qian\*, The Ohio State University
- 153-5 **The Effect of Family Income on Child Health in a Welfare State** 96

- 153-6 **Impact of Longer Maternity Leave on Maternal Mental Health and Well-being: Evidence From Chile**  
Luis Faundez\*, University of Illinois at Chicago

## 154 Social and Economic Integration of Refugees

CHAIR: Stephanie Potochnick, University North Carolina at Charlotte

DISCUSSANT: Maria Aysa-Lastra, Independent Researcher

2:30 PM-3:45 PM — Open Water

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- 154-1 **Welcome to the Neighborhood? Evidence From the Refugees' Reception System in Italy**  
Valeria Zurla\*, Brown University
- 154-2 **Using Facebook Advertising Data to Model the Socioeconomic Situation of Syrian Refugees in Lebanon: A Feasibility Analysis**  
Masoomali Fatehkia, Qatar Computing Research Institute; Ingmar Weber\*, Qatar Computing Research Institute, HBKU
- 154-3 **Local Labor Market Impacts of Immigration: The Case of Venezuela and Brazil**  
Rafael Zago\*
- 154-4 **Immigration and Occupational Downgrading in Colombia**  
Jeremy Lebow\*, Duke University

## 155 Selectivity of Migration

CHAIR: Reanne Frank, The Ohio State University

DISCUSSANT: Erin Hamilton, University of California, Davis

2:30 PM-3:45 PM — Open Water

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- 155-1 **Violence in Mexico and Migration to the United States**  
Jenna Nobles\*, University of Wisconsin-Madison; M. Amelia Gibbons, University of Wisconsin-Madison
- 155-2 **Social Mobility During Lifetime Migration: Transition and Self-selection**  
Zhenxiang Chen\*, University of California, Los Angeles
- 155-3 **Separate From the Separated City: The Opening of the Transatlantic Sea Route and Emigration of Ethnic Minorities in the Austro-Hungarian Empire**  
Dafeng Xu\*, University of Washington
- 155-4 **East Across the Pacific: Selectivity of Japanese Immigrants to the United States in the Early Twentieth Century**  
Tate Kihara\*, Brown University

## 156 Health Systems and Child Health and Mortality

CHAIR: Felix Muchomba, Rutgers University

DISCUSSANT: Sarah Bradley, Abt Associates

2:30 PM-3:45 PM — Open Water

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- 156-1 **Applying Group-Based Trajectory Modeling and Prediction Modeling to Understand Under-5 Mortality Trends and Determinants in Low- and Lower-Middle-Income Countries**  
Elizabeth Simmons\*, University of North Carolina at Chapel Hill; Gustavo Angeles, University of North Carolina at Chapel Hill; Kavita Ongechi, University of North Carolina at Chapel Hill; William Weiss, USAID
- 156-2 **Does Strengthening Health Systems Improve Childhood Morbidity? Evidence From the Ghana Essential Health Interventions Program in Rural Northern Ghana**  
Patrick Asuming\*, University of Ghana; Ayaga Bawah, University of Ghana
- 156-3 **The Effect of Integrated Management of Neonatal and Childhood Illness Policy on Mortality: Evidence From Zimbabwe**  
Nigel James\*; Yubraj Acharya, The Pennsylvania State University
- 156-4 **The Impact of a Community Engaged Primary Healthcare Intervention on Parental Service Utilization and Child Survival: A Hazard Regression Analysis of Child Survival in Northern Ghana**

## 157 Racial/Ethnic Inequalities in Health and Mortality

CHAIR: **Rebecca Tesfai**, Temple University

DISCUSSANT: **Diane Coffey**, Population Research Center

2:30 PM-3:45 PM — Open Water

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- 157-1 **Differential Racialization as a Fundamental Cause of Health Inequality: An Age and Cause Decomposition of the Life Expectancy Gap Between Chinese and Filipinos in the United States**  
Darwin Baluran\*
- 157-2 **Black-White Differences in Exposure to Household Mortality: Variation Across the Life Course and by Socioeconomic Status**  
Angela Dixon\*, Emory University; Jaquelyn Jahn, Harvard T.H. Chan School of Public Health
- 157-3 **Racial/Ethnic and Economic Segregation and Survival in the United States**  
Ivan Mejia\*, Stanford University; Mark Cullen, Stanford University School of Medicine; Shripad Tuljapurkar, Stanford University; V.S. Periyakoil, Stanford University; David Rehkoff, Stanford University
- 157-4 **Riots in the Neighborhood: Impact Assessment of 2013 Riots on Pregnancy Risks, Birth Outcomes, and Birth Survival in India**  
Soumya Pal\*; Sudeshna Dey, Karnataka Health Promotion Trust

## 158 The Collateral Consequences of Punishment

CHAIR: **Youngmin Yi**, Cornell University

DISCUSSANT: **Ashley Muchow**, University of Illinois at Chicago

2:30 PM-3:45 PM — Open Water

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- 158-1 **Under the Radar: Criminal Records, State Policies, and Fathers' System Avoidance**  
Allison Dwyer Emory\*, University at Buffalo; Shiyue Cui, University at Buffalo
- 158-2 **In a Trump Era: Impact of ICE on Students and Schools**  
Tatiana Padilla\*
- 158-3 **Does the Effect of Jail on Employment Vary by Local Racial Composition? A Quasi-Experimental Approach**  
Christopher Thomas\*, City University of New York
- 158-4 **Early-Life Patterns of Criminal Justice Involvement: Inequalities by Race-Ethnicity, Gender, and Socioeconomic Status**  
Courtney Boen\*, University of Pennsylvania; Nick Graetz, University of Pennsylvania; Hannah Olson, University of Pennsylvania; Zohra Ansari-Thomas; Laurin Bixby; Rebecca Schut, University of Pennsylvania; Hedwig Lee, Washington University in St. Louis

## 159 Flash: Innovative Methods in Spatial and Environmental Demography

CHAIR: **Valerie Mueller**, Arizona State University

2:30 PM-3:45 PM — Open Water

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- 159-1 **The Importance of Reclassification to Understanding Urban Growth: A Demographic Decomposition of the United States, 1990–2010**  
Leiwen Jiang\*, Population Council and Shanghai University; Bryan Jones, CUNY Institute for Demographic Research; Deborah Balk, CUNY Institute for Demographic Research; Brian O'Neill, University of Denver
- 159-2 **Do Short- and Long-Term Differences Make a Difference in Measuring Environmental Migration?**  
Elizabeth Fussell\*, Brown University; Jack DeWaard, University of Minnesota, Twin Cities; Katherine Curtis, University of Wisconsin–Madison
- 159-3 **Spatial Projections of Age-Structured Populations in India**  
Ingrid Setz\*, Wittgenstein Centre (IIASA, OeAW, Univ. Vienna); Erich Striessnig, Wittgenstein Centre (IIASA, VID/ÖAW, Univ. Vienna); Samir K., ADRI, Shanghai University
- 159-4 **Exploring the Nexus Between Environmental Changes and Population Behaviors: New Estimates of Global Net Migration at High Spatial Resolution**  
Daniela Ghio\*, Joint Research Centre European Commission; Alfredo Alessandrini, Joint Research Centre European Commission; Silvia Migali, Joint Research Centre European Commission

- 159-5 **Characterizing Climate-Change Sentiment in Alaska With Twitter Data**  
Junjun Yin\*, Pennsylvania State University; Matthew Brooks, Pennsylvania State University; Guangqing Chi, Pennsylvania State University; Donghui Wang, Princeton University
- 159-6 **How Do Multiple Shocks Impact Health? An Analysis Using Agent-Based Models to Explore the Effects of Climate and Conflict Shocks on Children's Health**  
Ruthie Burrows\*, University of Minnesota - Twin Cities; Sauleh Siddiqui, American University; Kathryn Grace, University of Minnesota, Twin Cities
- 159-7 **Differential Under-5 Mortality in India: Understanding Climate Vulnerabilities**  
Paradorn Wongchanapai\*, City University of New York; Deborah Balk, CUNY Institute for Demographic Research
- 159-8 **Residential Histories in Urban and Rural Places: Quantifying the Impact of Neighborhood Exposures on Population Health in Wisconsin**  
Megan Agnew\*, University of Wisconsin-Madison; Wei Xu, University of Wisconsin-Madison; Sarah Salas, University of Wisconsin-Madison; Amy Schultz, University of Wisconsin-Madison; Michal Engelmaier, University of Wisconsin-Madison; Kristen Malecki

## 160 Invited: Redistricting and the 2020 Census

*CHAIR: Mary Jo Hoeksema, Director, PAA Office of Government and Public Affairs  
DISCUSSANT: Teresa Sullivan, University of Virginia*

**2:30 PM-3:45 PM — Open Water**

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- 160-1 **Overview of Census Bureau Redistricting Data Operations**  
Kathleen Styles\*, U.S. Census Bureau
- 160-2 **How States use Redistricting Data**  
Michael Li\*, New York University
- 160-3 **Implications of Disclosure Avoidance System for Redistricting Data, and Need for Transparency and Public Participation**  
Michael McDonald\*, University of Florida
- 160-4 **Use of Citizenship Voting Age Population File for Redistricting Data**  
Jeffrey Wice\*, New York Law School

## P5 P5 - Family Demography; and Historical Demography

**3:15 PM-4:45 PM — Open Water Poster Gallery**

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- P5-1 **Is There a Common Path to a Life Expectancy Above 80? Examining Historic Variation in the Pace and Causes of Post-War Mortality Declines Across Europe**  
Nikkil Sudharsanan\*, Heidelberg Institute of Global Health; Trasias Mukama, German Cancer Research Center; Benjamin Seligman, Stanford University
- P5-2 **Racial Fluidity in the United States: A Historical Place-Based Analysis Using Census-Linked Administrative Data (CenSoc)**  
Grace Venechuk; Leah Foltman\*, University of Wisconsin-Madison
- P5-3 **Height's Association With Fertility Outcomes: The Case of the Dutch, Birth Years 1840–1880**  
Kristina Thompson\*
- P5-4 **Geography, Education, and Fertility Decline: Evidence From 1970 Colombia**  
Juliana Jaramillo\*
- P5-5 **Micropolitan Areas and the U.S. Metropolitan Hierarchy, 1950–2010**  
Todd Gardner\*, US Census Bureau
- P5-6 **The Role of Religion and Forerunners During the Fertility Decline in England and Wales, 1851–1911**  
Stephanie Thiehoff\*; Andrew Hinde, University of Southampton; Brienna Perelli-Harris, University of Southampton; Agnese Vitali, University of Trento
- P5-7 **The Transformation Trend of Chinese Women's First Marriage Pattern**  
Jingyi Dan\*, Xi'an Jiaotong University; Quanbao Jiang, Xi'an Jiaotong University
- P5-8 **Co-Occurring Family Stressors in Latino Families: Evidence From the Supporting Healthy Marriage Evaluation**  
Elizabeth Wildsmith\*, Child Trends, Inc.; Yiyu Chen, Child Trends
- P5-9 **Problems in the Family: Controlling for Age, Period, or Cohort in Sibling Comparison Designs**

**Ben Wilson, Stockholm University; Maarten Bijlsma\*, Max Planck Institute for Demographic Research; Siddartha Aradhy, Lund University; Alice Goisis, University College London**

- P5-10 **Multiracial Children's Experiences of Family Instability**  
Kate Choi\*, University of Western Ontario; Rachel Goldberg, University of California Irvine
- P5-11 **Siblings as Brokers of Family Social Capital: Compensatory Time Use in India**  
Melissa Alcaraz\*, The Ohio State University; Ashley Larsen Gibby, Penn State University; Nancy Luke, Penn State University
- P5-12 **Caregiving and Self-esteem in Mid- and Later Life: Variation by Age, Family, and Health**  
Jeffrey E. Stokes\*, University of Massachusetts Boston; Sarah Patterson, University of Michigan
- P5-13 **Sociodemographic and Behavioral Factors of Physical Intimate Partner Violence (IPV) Perpetration Among Men in South Africa**  
Pride Kandemiri\*
- P5-14 **His State or Her State? Married Couples' States of Birth and Current Residence, 1900–2018**  
Lydia Anderson\*, U.S. Census Bureau
- P5-15 **Racial, Ethnic, and Nativity Differences in Family Formation and Dissolution in the United States**  
Zohra Ansari-Thomas\*
- P5-16 **Educational Attainment, Educational Pairings, and Women's Marriage Behavior in the Turkish Context**  
Taylan Acar\*
- P5-17 **Wealth Accumulation by Marital Sorting on Own Education and Parental Education**  
Cheng Cheng\*, Singapore Management University; Yang Zhou, Central University of Finance and Economics
- P5-18 **Delaying Retirement? A Life Cycle Model of Older Women's Labor Supply**  
Debasmita Das\*
- P5-19 **How Much Time Is Left? Trends in Parental Lifespan Around the World**  
Erich Striessnig\*, Wittgenstein Centre (IIASA, VID/ÖAW, Univ. Vienna); Alessandra Trimarchi, Department of Sociology, University of Vienna
- P5-20 **Demographic Considerations and Food Security in Nigeria**  
Nkechi Owoo\*, IUSSP
- P5-21 **Testing a Parental Investment Model in Brazil: Achievement of 5th and 9th Graders in a National Census of Public School Students**  
Andrew Koepf\*, University of Texas at Austin; Elizabeth Gershoff, University of Texas at Austin; Leticia Marteleteo, University of Texas at Austin
- P5-22 **Does Fixed-Term Employment Have Spillover Effects on the Well-being of Partners? A Panel Data Analysis for East and West Germany**  
Sonja Scheuring\*, University of Bamberg; Jonas Voßemer, Umeå University; Anna Baranowska-Rataj, Umeå University; Giulia Tattarini, Berlin Social Science Center (WZB)
- P5-23 **Love Marriage in India**  
Koyel Sarkar\*, Universite Catholique de Louvain; Ester Lucia Rizzi, Universite catholique de Louvain
- P5-24 **New Paths to Couple Formation in Contemporary France**  
Léonard Moulin\*, French Institute For Demographic Studies (INED); Marie Bergström, INED
- P5-25 **Son Preference and Paternal Subjective Well-being**  
Younghwan Song\*, Union College; Jia Gao, The World Bank
- P5-26 **Family Forms Survey: Identifying Donor-Conceived Offspring, Donors, and Recipients in a National Panel**  
Rachel Arocho\*, Utah Valley University; Elizabeth Lozano, University of Illinois at Urbana-Champaign; Rebecca Hansen, Utah Valley University; Rhea Rehani, University of Illinois at Urbana-Champaign; Abigail Thompson, Utah Valley University; Taylor Fleming, University of Illinois at Urbana-Champaign; Gracie Robinson, Utah Valley University
- P5-27 **Spousal Care Arrangements and Caregivers' Well-being: Variations by Gender and Social Welfare Regime**  
Ginevra Floridi, King's College London; Nekehia Quashie\*, TU Dortmund University; Karen Glaser, King's College London; Martina Brandt, TU Dortmund University
- P5-28 **Men's Employment and Women's Sleep in South Africa**  
Seungwan Kim\*, University of Maryland; Sangeetha Madhavan, University of Maryland-College Park
- P5-29

## Economic Well-being and Pre-Divorce Labor Supply Patterns of Subsequently Divorcing Mothers in Wisconsin

Trisha Chanda\*, University of Wisconsin–Madison

- P5-30 **Spousal Caregiving and Depression Among Older Adults in China: Does Work Status Matter?**  
Haoshu Duan\*, University of Maryland; Feinian Chen, University of Maryland
- P5-31 **Income Shock and Food Insecurity Prediction: Vietnam Under the Pandemic**  
Khoa Vu; Nguyen Vuong\*; Anh Nguyen, DEPOCEN; Anh Vu, Fulbright University
- P5-32 **The Homogamy and Convergence Hypothesis Revised: Union Dissolution Among Second-Generation Caribbeans**  
Gusta Wachter\*, Netherlands Interdisciplinary Demographic Institute; Niels Kooiman, Statistics Netherlands (CBS)/University of Amsterdam; Helga de Valk, NIDI(KNAW)/University of Groningen
- P5-33 **Mother's and Infants' Health Consequences of Maternity Unit Closures: Evidence From a French Administrative Database**  
Léa Ambroise\*, Institut National d'Études Démographiques (INED)
- P5-34 **Parents' Time Use in Doubled-up Households: Who Benefits?**  
Ariane Ophir\*, University of Wisconsin–Madison
- P5-35 **Unequal Childhoods, Equal Relationships? The Role of Parental Figures in the Transition to Adulthood**  
Ariane Ophir\*, University of Wisconsin–Madison; Paula Fomby, University of Michigan; Marcia Carlson, University of Wisconsin–Madison
- P5-36 **Family Complexity and Teacher Perceptions of Parental Supportiveness**  
Emma Romell\*, University of Wisconsin–Madison
- P5-37 **Bring Family in Understanding the Migrant Parental Settlement Intention: Distance of the Affection, Geospatial, and Hukou System**  
che lei\*, Xi'an jiaotong university; Haifeng Du, Stanford University
- P5-38 **Meeting Settings, Homogamy, and Premarital Cohabitation in China**  
Man Zhang\*
- P5-39 **How Does Housework Influence the Motherhood Penalty?**  
Angela Clague\*, Department of Sociology, UCLA
- P5-40 **The Mediating Effects of Household Resources in Orphan Disadvantage in Cambodia**  
Angela Clague\*, Department of Sociology, UCLA; Patrick Heuveline, University of California; Dwight Davis, Guest
- P5-41 **Patterns of Subjective Well-being (Dis)advantages in Belarus: The Intersectionality of Partnership, Parenthood, Gender, and Migration**  
Vytenis Juozas Deimantas\*, Lithuanian Social Research Centre
- P5-42 **Changes in Pan-Ethnicity and Racial Boundaries in the United States Based on Interracial Marriage Patterns, 1980–2018**  
Aaron Gullickson\*, University of Oregon
- P5-43 **Employment Uncertainty and Fertility in Couples: Which Uncertainty Matters?**  
Danilo Bolano\*, University of Lausanne; Daniele Vignoli, University of Florence
- P5-44 **If You Go Right, I Go Left! Partners' Political Preferences and Union Dissolution**  
Bruno Arpino\*, University of Florence; Alessandro Di Nallo, Université de Lausanne
- P5-45 **Cohabitation Wealth Premium: Comparing France, Eastern and Western Germany**  
Nicolas Frémeaux, Université Paris 2 Panthéon-Assas; Nicole Kapelle\*, Philipp Lersch, Humboldt University of Berlin; Marion Leturcq, Institut National d'Études Démographiques (INED)
- P5-46 **Repartnering and Fertility**  
Francesca Luppi, Università Cattolica del Sacro Cuore; Matteo Micheli; Chiara Pronzato\*, University of Turin
- P5-47 **More Than Friends: Profiles of Adolescent Romantic Relationships in Rural Mexico**  
Melissa Alcaraz\*, The Ohio State University
- P5-48 **Father Absenteeism and Its Association With Receiving Injuries From Episodes of Violence During Adolescence and Young Adulthood in Honduras**  
Alejandra Leyton\*

- P5-49 **Predictors of Longitudinal Intergenerational Transfer Patterns**  
Isabelle Notter\*, Brown University
- P5-50 **Early Childhood Education Expenditures and Maternal Employment as a Function of Child Age**  
Emily Miller\*, Princeton University
- P5-51 **Changing Composition of Consanguineous Marriage in South India**  
Harihar Sahoo\*, International Institute for Population Sciences; Paramita Debnath, International Institute for Population Sciences; Chaitali Mandal; Rangasamy Nagarajan
- P5-52 **An Update on Marital Dissolution Rates in the New Millennium**  
Kim McErlean\*
- P5-53 **Number of Siblings and Divorce in East Asia: The Importance of Social Context**  
Douglas B. Downey, Ohio State University; Man Yao\*, The Ohio State University
- P5-54 **Intersecting Hierarchies: Individual and Societal Correlates of Women's Autonomy Within Household**  
Dhiman Das\*, Maryland Population Research Center; Sonalde Desai, University of Maryland
- P5-55 **How Does She Do It All? The Daily Cadence of Working Mothers' Lives and Their Health**  
Kate Prickett\*, Victoria University of Wellington; Jennifer Augustine, University of South Carolina
- P5-56 **Divergent Transmission of Resources at the Starting Gate Through Time: Preschoolers in Singapore**  
Wei-Jun Yeung, National University of Singapore; Jyeon Lee\*, National University of Singapore; Yan Song Lee, National University of Singapore
- P5-57 **Parental Work Hours, Parental Education, and Child Sleep**  
Cassidy Castiglione\*, Rice University; Mackenzie Brewer, Baylor University; Rachel Kimbro, Rice University
- P5-58 **Duration of the Division of Household Labor and Wages: Accumulating Penalties and Diversity Across Income Distribution in the United Kingdom**  
Niels Blom\*; Lynn Cooke, University of Bath
- P5-59 **Does Children's Education Improve Parental Longevity? Evidence From Two Educational Reforms in England**  
Joan Madia\*; Patrick Praeg, University of Oxford; Christiaan Monden, University of Oxford
- P5-60 **The Social Structures of Sleep: Effects of Professional and Family Constraints on Workers' Sleep**  
Capucine Rauch\*
- P5-61 **Revisiting Horizontal Stratification in Higher Education: College Prestige Hierarchy and Educational Assortative Mating in China**  
Jiashi Feng\*
- P5-62 **Economic Homogamy and Income Inequality Across OECD Countries: A Country Counterfactuals Approach**  
Leo Azzollini\*; Richard Breen, University of Oxford; Brian Nolan, University of Oxford
- P5-63 **The Effects of Expanding Female Economic Opportunities on Fertility: Causal Evidence From a Randomized Control Trial in Bangladesh**  
Shamma Alam, Dickinson College; Claus Portner\*, Seattle University
- P5-64 **The Role of Marital Status and Family Support in Alleviating Maternal Stress in an Informal Settlement in Kenya**  
Shelley Clark, McGill University; Madeleine Henderson\*
- P5-65 **Walking and Talking Women's Rights**  
Nir Rotem\*, University of Minnesota; Elizabeth Boyle, University of Minnesota
- P5-66 **Dowries, Resource Allocation, and Poverty**  
Ajinkya Keskar\*; ROSELLA CALVI
- P5-67 **Local Crime and Early Marriage of Women in India**  
Sudipa Sarkar\*
- P5-68 **Race/Ethnicity and Family Structure: An Exploration of Residential Segregation**  
Colleen Wynn\*, University of Indianapolis
- P5-69 **Maternal Mental Health and Early Childhood Development: Exploring Critical Periods and Sources of Support**  
Charlotte Farewell, University of Colorado Anschutz; Emily Melnick\*; Jenn Leiferman, University of Colorado Anschutz

- P5-70 **The Black-White Remarriage Gap: Reassessing Economic Prospects Using the Military Context**  
Ryan Cho\*, University of California - Los Angeles
- P5-71 **Income Trajectories Over the Life Course: How Do Canadian Complex Families Fare After a Second Birth?**  
Ana Laura Fostik Sanchez\*, Statistics Canada; Celine Le Bourdais, McGill University
- P5-72 **Relationship Conflict and Intimate Partner Violence During COVID-19: A Longitudinal Analysis of Young Men and Women**  
Wendy Manning\*, Bowling Green State University; Peggy Giordano, Bowling Green State University; Monica Longmore, Bowling Green State University; Ian King, Bowling Green State University
- P5-73 **Child Support Debt, Economic Hardship, and the Well-being of Disadvantaged Fathers**  
Nathan Robbins\*, Cornell University; Maureen Waller, Cornell University; Lenna Nepomnyaschy, Rutgers University; Daniel Miller, Boston University
- P5-74 **Adolescent Parental Loss and Young Adult Union Instability: Exploring an Underexamined Source of Disadvantage**  
Randi Saunders\*, The University of Texas at Austin
- P5-75 **Power of the Purse: Gender, Land Ownership, and Well-being of Elderly Indians**  
Xu Yan\*; Sonalde Desai, University of Maryland; Debasis Barik, National Council of Applied Economic Research
- P5-76 **Racial/Ethnic and Geographic Disparities in Substance Use–Associated Foster Care Entries**  
Haley Stritzel\*, University of Texas at Austin
- P5-77 **Familial Financial Transfers and College Completion: A Propensity Score Weighting Analysis**  
Yeonjoo Song\*, Yonsei University
- P5-78 **Multimorbidity Among Women in Reproductive Age Group (15–49 years) in India**  
Parul Puri\*, Ajinkya Kothval, International Institute for Population Sciences
- P5-79 **Time or Money? The Gendered Effect of Relative Working Hours and Economic Dependency to the Unpaid Care Work in Urban China**  
Yu Wang\*, Duke Kunshan University
- P5-80 **Racial Differences in Paid Parental Leave Access**  
Julia Goodman\*, OHSU-PSU School of Public Health; Connor Williams, University of California-Berkeley; William Dow, University of California-Berkeley
- P5-81 **Lowest-Low Fertility in Singapore: Current State and Prospects**  
Keita Suga\*, National Institute of Population and Social Security Research
- P5-82 **Parenthood, Work-Family Conflict, and Well-being: Are Work Hours a Mediating Factor?**  
Ariane Pailhe\*, French Institute for Demographic Studies; Delphine Remillon, Institut national d'études démographiques
- P5-83 **Beyond Gender Division of Labor? Living Arrangements and Married Women's Housework**  
Shuangshuang Yang\*, Washington State University
- P5-84 **Property in Whose Name? Intrahousehold Bargaining Over Homeownership in China**  
Yu Jia\*, Peking University; Cheng Cheng, Singapore Management University
- P5-85 **Motherhood and Employment in China: Do Living Arrangements and Child's Gender Make a Difference?**  
Yu Jia\*, Peking University; Cheng Cheng, Singapore Management University
- P5-86 **What Do Parents Know About Their Children? Misperceptions of Well-being and Implications on Resource Allocations in the Family**  
Marwa Alfakhri\*, Duke University
- P5-87 **Prevalence Pattern and Sociodemographic Correlates of Single Motherhood in Nigeria**  
Yemi Adewoyin\*, University of Nigeria
- P5-88 **Greedy Schemas: Explanations and Experiences of Occupational Gender Segregation**  
Isabel Pike\*, Graduate Institute of International and Development Studies (IHEID); Rachael Pierotti, World Bank
- P5-89 **New Perspectives on Divorce in Sub-Saharan Africa: A Cohort Analysis of Women Born Between 1955–2000**  
Benson John\*; Natalie Nitsche, Max Planck Institute for Demographic Research
- P5-90 **Fathers' Migration and Nutritional Status of Left-Behind Children in India: The Salience of Maternal Education and Resources in Early Life**  
Kriti Vikram\*, National University of Singapore

- P5-91 **Adverse Family Exposures in Childhood and Later-Life Health and Socioeconomic Outcomes**  
*Elyse Jennings\*, Harvard Center for Population and Development Studies; Sumaya Mall, University of Witwatersrand*
- P5-92 **The Great Recession and the Work-Parenting Balance: A Time Use Study Among Italian Couples**  
*Annalisa Donno\*, University of Padua; Maria-Letizia Tanturri, University of Padova*
- P5-93 **Mothers' Work Trajectories in Nepal**  
*Sarah Brauner-Otto\*, McGill University; Ka U Ng; Chih-Ian Winnie Yang, McGill University*
- P5-94 **Time Transfer Accounts by Types of Households and Income Groups in Brazil**  
*Jordana de Jesus\*; Simone Wajnman, CEDEPLAR; Cassio Turra, CEDEPLAR*
- P5-95 **Have Sedentary Lifestyles Reached Even Remote Parts of the Global South? Evidence From Time Use Data From Adolescents in India**  
*Solveig Cunningham, Emory University; Shailaja Patil\*, BLDE (DU); John Pothen, Emory University*
- P5-96 **Intergenerational Relationships, Household Resources, and Well-being Among Remarried Elderly Families**  
*Anqi Li\*, East China Normal University*
- P5-97 **What If She Earns More? Gender Pay Gap Within Couples**  
*Ewa Cukrowska-Torzecka, University of Warsaw, Faculty of Economic Sciences; Iga Magda, Warsaw School of Economics; Marta Palczynska\*, Institute for Structural Research*
- P5-98 **Life Course Variations in Spouses' Division of Roles in Urban Areas of Iran**  
*Fatemeh Torabi\*, University of Tehran*
- P5-99 **Limits to Motherhood's Standards: Latent Classes of Intensive Mothering in the United States**  
*Jane Lankes\**
- P5-100 **Robot Production and Human Reproduction: Assessing the Role of Changing Labor Markets on Fertility in Europe**  
*Anna Matysiak\*, University of Warsaw; Daniela Bellani, University of Florence; Daniele Vignoli, University of Florence; Honorata Bogusz, University of Warsaw*
- P5-101 **Examining the Trend in the Prevalence and Predictors of Child Fostering in Nigeria, 2008–2018**  
*Oluwatobi Alawode\*, University of Florida*
- P5-102 **Not So Different After All? Effects of Nest-Leaving and Partnership Formation on Low-Fertility Variations Across Countries**  
*Momoko Nishikido\*, Qi Cui, Centre d'Estudis Demografics; Albert Esteve-Palos, Centre d'Estudis Demografics*
- P5-103 **Older Americans and the Food Security Infrastructure**  
*Kelly Balistreri\*, Bowling Green State University*
- P5-104 **How Do Mothers Work? Kin Coresidence and Mothers' Work in Latin America**  
*Carolina Aragão\*, University of Texas at Austin; Aida Villanueva, University of Massachusetts, Amherst*
- P5-105 **Children's Media Use, Co-Use, and Family Member Relationship Quality Over Time: The Role of Socioeconomic Status**  
*Annaliese Grant\*, University of Wisconsin–Madison*
- P5-106 **Family Structure and Children's Television Time Over Early to Middle Childhood**  
*Annaliese Grant\*, University of Wisconsin–Madison; Marcia Carlson, University of Wisconsin–Madison*
- P5-107 **Being a Good Mother With Cancer: Attention or Pressure?**  
*Hyeran Chung\*, University of Illinois at Urbana-Champaign; Yilan Xu, University of Illinois*
- P5-108 **The Changing Face of Sole-Breadwinner Married Couples in the United States, 1995–1999 to 2015–2019**  
*Matt Erickson\*, University of Kansas*
- P5-109 **The Interaction of Husbands' and Wives' Labor-Market Traits in the Decision to Live Apart: Evidence From Linked Survey and Administrative Data**  
*Marta Murray-Close\*, U.S. Census Bureau*
- P5-110 **Why Are Cousin Marriages So Common in Pakistan? Examining the Effects of Cultural Norms, Dowry, and Economic Development as Potential Drivers**  
*Mary Shenk\*, Pennsylvania State University; Saman Naz, Pennsylvania State University; Theresa Chaudhry, Lahore School of Economics*

- P5-111 **Girls' Time Use During Early Adolescence and Its Link to Early Marriage: Comparative Evidence From Four Low-Resource Settings**  
*Momoe Makino, Population Council; Christina Misunas\*, Population Council*
- P5-112 **Sleep Rules and Sleep Regulation Among Children of Incarcerated Parents**  
*Amelia Branigan, University of Maryland, College Park; Jess Meyer\*, University of North Carolina at Chapel Hill*
- P5-113 **Affirmative Action Policies and Interracial Marriage**  
*Shiyi Chen\**
- P5-114 **Poverty and Childbirth in the United States and Germany**  
*Lewis Anderson\*, Zachary Van Winkle, University of Oxford*

## **161 Gender Disparities in Later Life**

*CHAIR: Bethany Everett, University of Utah*

*DISCUSSANT: Amber Thompson,*

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- 161-1 **The “Long Arm” of Incarceration: Examining Histories of Incarceration and Health Outcomes Among Older Women and Men**  
*Kenzie Latham-Mintus\*, Indiana University-Purdue University Indianapolis; Monica Deck, IUPUI; Elizabeth Nelson, IUPUI*
- 161-2 **Gender and Geography-Related Disparities in U.S. Life Expectancy: Time Trends and Disease Contributions**  
*Arseniy Yashkin\*, Duke University; Julia Kravchenko; Igor Akushevich, Duke University*
- 161-3 **Gender, Union Formation, and Assortative Mating Among Older Americans**  
*Daniel Lichter\*, Cornell University; Zhenchao Qian, Brown University; Haoming Song, Brown University*
- 161-4 **The Great Recession and Later-Life Employment: Race/Ethnicity, Gender, and Perceived Age Discrimination in the Workplace**  
*Duygu Basaran Sahin\*, CUNY Institute for Demographic Research*

## **162 Community-Based Demography**

*CHAIR: Jamiko Deleveaux,*

*DISCUSSANT: John Green, University of Mississippi*

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- 162-1 **Natural Decrease Becomes More Widespread in Subareas of the United States**  
*Kenneth Johnson\*, University of New Hampshire*
- 162-2 **Exploring Our Future: Creating Small Area Projections, 2020–2045**  
*Neal Marquez, University of Washington; Steven Bao, University of Washington; Eileen Kazura, University of Washington; Jessica Lapham, University of Washington; Priya Sarma\*; Crystal Yu, University of Washington; Christine Leibbrand*
- 162-3 **Measuring and Mapping Neighborhood Opportunity: A Comparison of Opportunity Indices in California**  
*Noli Brazil, University of California, Davis; Jenny Wagner\**

## **163 Demographic and Forecasting Models During Pandemics**

*CHAIR: Jesus-Adrian Alvarez, Interdisciplinary Centre on Population Dynamics, University of Southern Denmark*

*DISCUSSANT: Stefano Mazzuco, Universita di Padova*

*DISCUSSANT: Ronald Richman, QED Actuaries & Consultants*

**4:00 PM-5:15 PM — Open Water**

- 163-1 **Modeling COVID-19 Mortality at the Regional Level in Italy**  
*Ugo Filippo Basellini\*, Max Planck Institute for Demographic Research; Carlo Camarda, Institut National d’Études Démographiques (INED)*
- 163-2 **Combining Death Counts and Random Sample Testing to Estimate COVID-19 Prevalence**  
*Nicholas Irons\*; Adrian Raftery, University of Washington*
- 163-3 **Analyzing the Spread of the Coronavirus Pandemic With the Demographic Scaling Model**  
*Christina Bohk-Ewald\*, University of Helsinki; Christian Dudel, Max Planck Institute for Demographic Research; Mikko Myrskyla, Max Planck Institute for Demographic Research*

- 163-4 **Participatory Syndromic Surveillance as a Tool for Tracking COVID-19 in Bangladesh**  
Ayesha Mahmud\*, University of California, Berkeley; Shayan Chowdhury, a2i Programme; Kawsar Sojib, a2i Programme; Anir Chowdhury, a2i Programme; Md. Tanvir Quader, a2i Programme; Sangita Paul, a2i Programme; Md. Sheikh Saidy, a2i Programme; Ramiz Uddin, a2i Programme; Kenth Engo-Monsen, Telenor Research; Caroline Buckee, Harvard T H Chan School of Public Health

## 164 Data in a Crisis: Collecting New and Leveraging Old

*CHAIR:* Nadia Diamond-Smith, University of California, San Francisco  
*DISCUSSANT:* Ingmar Weber, Qatar Computing Research Institute, HBKU

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- 164-1 **Collecting Data During the COVID-19 Crisis: Experiences, Adaptations, and Outcomes of the PSID Child Development Supplement**  
Narayan Sastry\*, University of Michigan; Paula Fomby, University of Michigan
- 164-2 **The Short-Term Mortality Fluctuations Series: New Data Resource on Weekly Mortality**  
Dmitry Jdanov, Max Planck Institute for Demographic Research; AINHOA ALUSTIZA\*; Vladimir Shkolnikov, Max Planck Institute for Demographic Research; Domantas Jaslionis, Max Planck Institute for Demographic Research; Laszlo Nemeth, Max Planck Institute for Demographic Research; David Leon, London School of Hygiene & Tropical Medicine (UK); Magali Barbieri, Institut National d'Études Démographiques (INED); Carl Boe, University of California-Berkeley
- 164-3 **Assessing the Reliability of Facebook's Advertising Data for Use in Demographic Research**  
Andre Grow\*, Max Planck Institute for Demographic Research; Daniela Perrotta, Max Planck Institute for Demographic Research; Jorge Cimentada, Max Planck Institute for Demographic Research; Francesco Rampazzo, University of Oxford; Sofia Gil-Clavel, Max Planck Institute for Demographic Research; Emilio Zagheni, Max Planck Institute for Demographic Research; René Flores, University of Chicago; Ilana Ventura, University of Chicago; Ingmar Weber, Qatar Computing Research Institute, HBKU; Kiran Garimella
- 164-4 **Using Crowdsourcing Platforms in Study Designs During the COVID-19 Pandemic: Lessons From a Mechanical Turk Survey Experiment on Mask Wearing**  
Noelle Chesley Phd MPA; Helen Meier\*, University of Michigan; Sarah Laurent, University of Wisconsin - Milwaukee

## 165 Family and Work: Gender Inequality at Work

*CHAIR:* Jennifer Hook, University of Southern California  
*DISCUSSANT:* Pilar Gonalons Pons, University of Pennsylvania

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- 165-1 **Learning to Labor: Long Work Hours and Early Career Retention Among STEM Professionals**  
Sharon Sassler\*, Cornell University; Alexandra Cooperstock, Cornell University; Jennifer Glass, University of Texas-Austin
- 165-2 **Birth Spacing, Age at First Child, and Education: What Roles Do They Play in Working Mothers' Within-Organization Career Paths?**  
Lisa Carlson\*; Karen Guzzo, Bowling Green State University
- 165-3 **His and Her Occupational Inflexibility and Short-Term Earnings Changes Following First Birth**  
Kelly Musick\*, Cornell University; Wonjeong Jeong
- 165-4 **Occupational Licensing, Trailing Spouses, and Labor Market Attachment**  
Janna Johnson\*, Humphrey School of Public Affairs

## 166 Unemployment, Job Insecurity, and Economic Insecurity

*CHAIR:* Jennie Brand, University of California, Los Angeles  
*DISCUSSANT:* Daniel Schneider, University of California, Berkeley

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- 166-1 **Economic Hardship and Mental Health During COVID-19 Lockdowns**  
Dirk Witteveen\*, University of Oxford, Nuffield College; Eva Velthorst, Mount Sinai, NYC, Icahn School of Medicine
- 166-2 **Unemployment and Job Insecurity: Education and Generation as a Safety Net During COVID-19**  
Sigal Alon\*, Tel Aviv University
- 166-3 **The Great Balancing Act: Households, Debt, and Economic Insecurity**  
Michelle Maroto\*, University of Alberta

- 166-4     **The Contextual Effect of Unemployment**  
*Florencia Torche\*, Stanford University; Claire Daviss*

## **167     Family Complexity**

*CHAIR: Mariana Amorim, Washington State University  
DISCUSSANT: Pamela Smock, University of Michigan*

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- 167-1    **Biological Mother Engagement With Children Across Contemporary Family Structures**  
*Kierra Sattler\*, University of North Carolina at Greensboro; Marcia Carlson, University of Wisconsin-Madison*
- 167-2    **Similarly Structured, Functionally Different: Population Heterogeneity in Family Structure and Childrearing Arrangements**  
*Christina Cross\*, Harvard University; Xing Zhang, Arizona State University*
- 167-3    **Childhood Parental Ties and Coresidence, Family Structure Stability and Change, and Later-Life Transfers to Parents**  
*Sarah Patterson\*, University of Michigan; Paula Fomby, University of Michigan*
- 167-4    **Her Kids, His Kids, Our Kids: Family Complexity and Parent-Child Relationships in Later Life**  
*I-Fen Lin\*, Bowling Green State University; Judith Seltzer, University of California, Los Angeles*

## **168     Impact of Abortion Laws and Policies**

*CHAIR: Gilda Sedgh, The Guttmacher Institute  
DISCUSSANT: Jessica Gipson, University of California-Los Angeles*

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- 168-1    **Racial and Ethnic Disparities in the Implications of Restrictive Abortion Policies on Infant Health**  
*Sara Redd\*, Emory University; Whitney Rice, Emory University; Sarah Blake, Emory University; Jason Hockenberry, Emory University; Kelli Hall, Columbia University*
- 168-2    **Denial of Legal Abortion in Nepal**  
*Mahesh Puri, Center for Research on Environment Health and Population Activities; Sara Daniel, Johns Hopkins University; Sunita Karki, Center for Research on Environment Health and Population Activities; Dev Chandra Maharjan, Center for Research on Environment Health and Population Activities; Chris Ahlbach, University of California-San Francisco; Nadia Diamond-Smith, University of California, San Francisco; Diana Foster\*, University of California-San Francisco*
- 168-3    **Banning Induced Abortion in the United States Would Increase Pregnancy-Related Deaths Even Without Increases in Unsafe Abortion**  
*Amanda Stevenson\*, University of Colorado, Boulder Department of Sociology*
- 168-4    **Post-Abortion Receipt of Preventive Reproductive Care and Medicaid Expansion in Oregon**  
*Susannah Gibbs\*, PSI; S. Marie Harvey, Oregon State University*

## **169     Fertility Transition in Low- and Middle-Income Countries**

*CHAIR: David Sanchez Paez, Université catholique de Louvain  
DISCUSSANT: Joshua Wilde, Max Planck Institute for Demographic Research*

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- 169-1    **Argentina's Fertility Regime, 1980–2010: The End of the First Demographic Transition or an Emergent Second One?**  
*Yasmin Mertehikian\*, University of Pennsylvania*
- 169-2    **Historical Transitions in Contraceptive Use and Fertility: The Distinctive Experience of Sub-Saharan Africa**  
*Aisha Dasgupta\*, United Nations Population Division; Mark Wheldon, United Nations Population Division; Vladimira Kantorova, United Nations; Philipp Ueffing, United Nations Population Division*
- 169-3    **Changes in Age at Last Birth Over the Course of Contemporary Fertility Declines**  
*Sarah Hayford\*, The Ohio State University; John Casterline, The Ohio State University; Yue Chu, Ohio State University*
- 169-4    **Examining Trends and Disparities in Adolescent Childbearing Over Time in Ouagadougou Partnership Countries**

## **170 Sexual and Gender Minorities**

*CHAIR: Michael Garcia, University of Texas at Austin*

*DISCUSSANT: Russell Spiker, Vanderbilt University*

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- 170-1 **Marriage Equality or Socioeconomic Inequality? Couple-Level Socioeconomic Predictors of Same-Sex Marriage in Canada, 2006–2016**  
Chih-lan Winnie Yang\*, McGill University

- 170-2 **Life Satisfaction in Midlife: How Does It Vary by Sexual Orientation?**  
Wenhuai Lai\*, Michigan State University; Ning Hsieh, Michigan State University; Hui Liu, Michigan State University

- 170-3 **Same-Sex Marriage at an All-Time High: Consequence of Politics at an All-Time Low in Brazil?**  
Fernanda Fortes De Lena\*, University of Campinas; Samuel Silva, Cedeplar UFMG

- 170-4 **Mothers' Sexual Identity and Children's Health**  
Stefanie Mollborn, University of Colorado Boulder; Aubrey Limburg\*; Bethany Everett, University of Utah

## **171 Biosocial Approaches to Population Health**

*CHAIR: Daniel Adkins, University of Utah*

*DISCUSSANT: Melinda Mills, Leverhulme Centre for Demographic Science, University of Oxford*

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- 171-1 **Childhood Stressful Events, Age and First Birth, and Health Among Women at Older Age**  
Xuejie Ding\*, University of Oxford; David Brazel, University of Oxford; Melinda Mills, University of Oxford
- 171-2 **Exploring Rural-Urban Differences in Polygenic Associations for Health Among Older Adults in the United States**  
Trent Davidson\*, University of Colorado Boulder; Jason Boardman, University of Colorado; Lori Hunter, University of Colorado Boulder
- 171-3 **Religious Context and Genetic Influences on Adolescent Drinking**  
Joseph Clark\*, University of Wisconsin-Madison; Jason Fletcher, University of Wisconsin-Madison; Qiongshi Lu, University of Wisconsin-Madison
- 171-4 **Heteroscedastic Regression Modeling Elucidates Gene-by-Environment Interaction**  
Benjamin Domingue\*, Stanford Graduate School of Education; Clint Kanopka, Stanford University; Travis Mallard, University of Texas at Austin; Sam Trejo, University of Wisconsin; Elliot Tucker-Drob, University of Texas at Austin

## **172 Social Policy and Population Health**

*CHAIR: Tia Palermo, University at Buffalo*

*DISCUSSANT: Megan Reynolds, University of Utah*

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- 172-1 **Unemployment Insurance and Opioid Overdose Mortality in the United States**  
PINGHUI WU\*; Michael Evangelist, University of Michigan
- 172-2 **Impact of Tuition-Free Secondary Education Policy on Child Marriage and Early Childbearing: A Quasi-Experimental Study**  
Pragya Bhuwania\*, University of California, Los Angeles; Kate Huh, World Policy Analysis Center; Jody Heymann, University of California, Los Angeles
- 172-3 **U.S. State Policy Contexts and Physical Health Among Midlife Adults**  
Blakelee Kemp\*, University of Nebraska-Lincoln; Jake Grumbach, University of Washington; Jennifer Karas Montez, Syracuse University
- 172-4 **Psychiatric Consequences of a Swedish Fathers' Leave Policy by Nativity: A Quasi-Experimental Study**  
Helena Honkaniemi\*, Stockholm University; Mikael Rostila, Stockholm University; Srinivasa Vittal Katikireddi, University of Glasgow; Sol Pía Juárez , Stockholm University

## **173 Contributions of Migrants to Sending and Receiving Societies**

*CHAIR: Mao-Mei Liu, University of California, Berkeley*

*DISCUSSANT: Filiz Garip, Cornell University*

**DISCUSSANT:** Gabriela Sanchez-Soto, Rice University

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- 173-1 **Impact of Remittances on Expenditure Pattern in Households: Budget Share Analysis of Migrant-Sending Households in Kerala**  
Anu Abraham\*

- 173-2 **Men's Migration, Marital Trajectories, and Women's Subjective Well-being in Rural Mozambique**  
Victor Agadjanian\*, University of California Los Angeles; Sophia Chae, University of Montreal

- 173-3 **Immigrant Labor and the Institutionalization of the U.S.-born Elderly**  
Tara Watson\*, Williams College; Kristin Butcher, Wellesley College; Kelsey Moran, MIT

- 173-4 **Foreign-Language Curricula and the Influence of Immigrant-Origin Groups**  
Christina Diaz\*, University of Arizona

## **174 Drivers of Internal Migration**

**CHAIR:** Michel Tenikue, Luxembourg Institute of Socio-Economic Research (LISER)

**DISCUSSANT:** Etienne Bacher,

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- 174-1 **Cash Transfers and the Geographic Mobility of the Rural Poor in Mali**  
Melissa Hidrobo, IFPRI; Valerie Mueller\*, Arizona State University; Shalini Roy, IFPRI

- 174-2 **Do Social Pensions Influence Migration? Evidence From Mexico's "Pensión para Adultos Mayores" Program**  
Ana Canedo\*

- 174-3 **Is Migration a Learned Behavior?**  
Aude Bernard\*, Francisco Perales, The University of Queensland

- 174-4 **The Valuation of Local Government Spending: Gravity Approach and Aggregate Implications**  
Wookun Kim\*, Southern Methodist University

## **175 Excess Mortality Due to COVID-19 in International Comparison**

**CHAIR:** Stéphane Helleringer, Johns Hopkins University

**DISCUSSANT:** Jenny Garcia, Institut National d'Études Démographiques (INED)

**4:00 PM-5:15 PM — Open Water**

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- 175-1 **Estimating Excess Deaths in South Africa During the COVID-19 Pandemic**  
Rob Dorrrington, University of Cape Town; Thomas Moultrie\*, University of Cape Town; Debbie Bradshaw, South African Medical Research Council; Pamela Groenewald, South African Medical Research Council; Ria Laubscher, South African Medical Research Council

- 175-2 **Heterogeneity in the Excess of Mortality and Its Impact on Loss of Life Expectancy by COVID-19: Evidence From Mexico**  
Victor Garcia-Guerrero\*, El Colegio de Mexico; Hiram Beltrán-Sánchez, University of California, Los Angeles

- 175-3 **COVID-19 Mortality in Latin America: An Analysis of Available Data**  
Helena Cruz Castanheira\*, UN/ECLAC/CELADE-Population Division; José Henrique Monteiro da Silva, Economic Commission for Latin America and the Caribbean

- 175-4 **Estimated Impact of the COVID-19 Economic Recession on Under-5 Mortality Rates for 129 Countries**  
Marcelo Cardona\*; David Bishai, Johns Hopkins Bloomberg School of Public Health; Joseph Millward, Johns Hopkins Center for Communication Programs; Alison Gemmill, Johns Hopkins Bloomberg School of Public Health; katelyn Jison Yoo, World Bank

## **176 Policing, Detention, and Criminal Justice**

**CHAIR:** Ashley Muchow, University of Illinois at Chicago

**DISCUSSANT:** Peter Hepburn, Princeton University

**4:00 PM-5:15 PM — Open Water**

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- 176-1 **Effect of Stop-and-Frisk on Educational Outcomes of Undocumented Youth**

Amy Hsin, Queens College, City University of New York; Joscha Legewie\*, Harvard University; Linna Marten, Uppsala University; Niklas Harder, DeZim Institute

- 176-2 **Gentrification and Police Violence: How Neighborhood Change Affects Patterns of Use of Force by Police**  
*Christopher Robertson\*, University of Minnesota-Twin Cities*
- 176-3 **Policing Disability: School Discipline, Law Enforcement Contact, and Racial Inequality Among Urban Teens**  
*Amanda Geller\*, New York University (NYU); Kristin Turney, University of California, Irvine; Sarah Remes, DC Action for Children*
- 176-4 **Relational Dynamics of Influence and Selection on Police Misconduct**  
*Linda Zhao\*, Harvard University*

## **177 Innovative Approaches in Residential Segregation and Mobility**

*CHAIR: Matthew Hall, Cornell University*

*DISCUSSANT: Elizabeth Roberto, Rice University*

*DISCUSSANT: Jacob Faber, New York University (NYU)*

**4:00 PM-5:15 PM — Open Water**

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- 177-1 **The Spatial Dimension of Social Networks: Peer Influence in Residential Choice**  
*Laura Fürsich\**
- 177-2 **Kinship Effects on Couples' Residential Choices: Asymmetries by Gender and Ancestry**  
*Benjamin Jarvis\*, Linköping University*
- 177-3 **Childhood Neighborhoods and Health in Adulthood: A Life Course and Nearest Neighbor Approach for Sweden, 1939–2015**  
*Finn Hedefalk\*, Lund University; Ingrid van Dijk, Lund University; Martin Dribe, Lund University*
- 177-4 **Is Residential Segregation Always Spatial Separation? Home Fortification in Mixed-Income Neighborhoods Across the United States**  
*Mahesh Somashekhar\*, University of Illinois at Chicago; Christian Hess, Cornell University; Ian Kennedy, University of Washington; Kyle Crowder, University of Washington*

## **178 Invited: Trends in and Causes of Rising Working-Age Mortality Rates in the United States: Findings From the NASEM Consensus Study on Rising Working-Age Mortality Rates and Socioeconomic Disparities**

*CHAIR: Shannon Monnat, Syracuse University*

*DISCUSSANT: Kathleen Mullan Harris, University of North Carolina at Chapel Hill*

**4:00 PM-5:15 PM — Open Water**

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- 178-1 **Trends and Differentials in Working-Age Mortality in the U.S., 1990-2017**  
*Shannon Monnat\*, Syracuse University*
- 178-2 **The Role of Opioids, other Drugs, and Alcohol in Shaping Mortality Trends**  
*Darrell Gaskin\*, Johns Hopkins University*
- 178-3 **Role of Suicides in Shaping Mortality Trends**  
*Irma Elo\*, University of Pennsylvania*
- 178-4 **The Role of Cardiometabolic Diseases in Shaping Mortality Trends**  
*Kathleen Mullan Harris\*, Add Health - Carolina Population Center*
- 178-5 **The Role of Public and Private Sector Policies in Shaping Mortality Trends**  
*Steven Woolf\*, Virginia Commonwealth University*



# Memorial Sessions

## *Part 1*

*Thursday, May 6 • 7:00 – 9:30 PM*

## *Part 2*

*Friday, May 7 • 7:00 – 9:30 PM*

### PAA Memorial Session Committee

Dudley L Poston Jr, Texas A&M University (Chair)  
 Jennie Brand, University of California, Los Angeles  
 Kathryn E. Harker Tillman, Florida State University



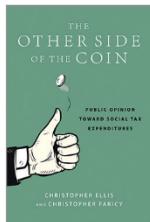
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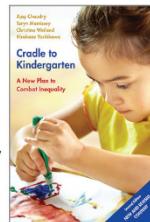
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# MEETING FRIDAY PROGRAM

FRIDAY, MAY 7

## 179 Genetics and Aging

CHAIR: Jason Boardman, University of Colorado

DISCUSSANT: David Rehkopf, Stanford University

9:15 AM-10:30 AM — Open Water

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179-1 **The Role of Genetic Endowments and Early-Life Resources in Explaining the Relationship Between Education and Cognitive Functioning in Later Life**

Pamela . Herd\*, Georgetown University; Kamil Sicinski, UW-Madison

179-2 **The Impact of Late-Career Job Loss and Genotype on Changes in Body Mass Index**

Lauren Schmitz\*, University of Wisconsin-Madison; Julia Goodwin, University of Wisconsin-Madison; Jiacheng Miao, University of Wisconsin-Madison; Qiongshi Lu, University of Wisconsin-Madison; Dalton Conley, Princeton University

179-3 **Are Immigrants Positively Selected on Genetic Predisposition to Better Health? Evidence From the Health and Retirement Study**

Zoya Gubernskaya\*, University at Albany, SUNY; Dalton Conley, Princeton University

179-4 **How Multiple Interactions Between Genetic and Nongenetic Factors Influence Multifactorial Health Disorders: Insights From Studying Alzheimer's Disease**

Anatoliy Yashin\*, Duke University; Deqing Wu, Duke University; Konstantin Arbeev, Duke University; Hongzhe Duan, Duke University; Olivia Bagley, Duke University; Igor Akushevich, Duke University; Arseniy Yashkin; Svetlana Utkaintseva, Duke University

## 180 Impact of Caregiving on Families and Youth

CHAIR: Sung Park, Harvard University

DISCUSSANT: Anna Hammersmith, Grand Valley State University

9:15 AM-10:30 AM — Open Water

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180-1 **"If It Needs to Be Done, It Needs to Be Done": Youth Experiences and Perspectives on Caregiving**

Minakshi Raj\*, Sara Feldman, University of Michigan; Jody Platt, University of Michigan; Tammy Chang, University of Michigan

180-2 **Parental Disability and Teenagers' Time Allocation**

Sabrina Pabilonia\*, U.S. Bureau of Labor Statistics; Charlene Kalenkoski, Texas Tech University

180-3 **The Differential Effects of Entering and Exiting Coresidence With Grandchildren on Older Adults' Labor Force Outcomes: Does Gender Matter?**

Haoshu Duan\*, University of Maryland; Jing Ye, University of Maryland

180-4 **The Effects of Multigenerational Residence on Children's Mental Health**

Qi Li\*, The Ohio State University

## 181 Residential Context and COVID-19

CHAIR: Yana Kucheva, City College of New York

DISCUSSANT: Kate Choi, University of Western Ontario

9:15 AM-10:30 AM — Open Water

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181-1 **Residential Racial Segregation and Social Distancing in the United States During COVID-19**

Alexandre White\*; Lingxin Hao, Johns Hopkins University; Xiao Yu, Johns Hopkins University; Roland Thorpe, Johns Hopkins University Bloomberg School of Public Health

181-2 **Overcrowding and COVID-19 Deaths Across U.S. Counties: Are Disparities Growing Over Time?**

Christina Kamis\*, Duke University; Allison Stolte, Duke University; Jessica West, Duke University; Samuel Fishman, Duke University; Taylor Brown, Duke University; Heather Farmer; Tyson Brown, Duke University

181-3 **Disproportionate COVID-19 Pandemic Impacts on U.S. Homeowners Across Racial/Ethnic Groups**

Yung Chun\*, Washington University in St. Louis; Stephen Roll, Washington University in St. Louis; Selina Miller, Washington University in St. Louis; Hedwig Lee, Washington University in St. Louis; Savannah Larimore; Michal Grinstein-Weiss, Washington University in St. Louis

- 181-4 **Does Past Public Health Spending Improve COVID-19 Response? Evidence From U.S. Counties**  
*Sneha Lamba\*, Johns Hopkins Bloomberg School of Public Health; Carrie Wolfson, Johns Hopkins University; Carolina Cardona, Johns Hopkins Bloomberg School of Public Health; Y. Natalie Alfonso, Johns Hopkins Bloomberg School of Public Health; Alison Gemmill, Johns Hopkins Bloomberg School of Public Health; David Bishai, Johns Hopkins University*

## 182 Mathematical Demography

*CHAIR: Vanessa Gabrielle di Lego Goncalves, Vienna Institute of Demography  
DISCUSSANT: Evelyn Patterson, Vanderbilt University*

**9:15 AM-10:30 AM — Open Water**

- 
- 182-1 **How Lifespan and Life Years Lost Equate to Unity**  
*Annette Baudisch\*, University of Southern Denmark; José Manuel Aburto, University of Southern Denmark*
- 182-2 **The Components of Change in Population Growth Rates**  
*Vladimir Canudas-Romo\*, Australian National University; Tianyu Shen; Collin Payne, Australian National University*
- 182-3 **Measuring the Concentration of Urban Population in Clark's Exponential Model Using the Lorenz Curve, Gini Coefficient, and Hoover Index**  
*Joel Cohen\*, Rockefeller and Columbia Universities*
- 182-4 **Estimating the Average Age of Infant Deaths: A Flexible Model Life Table, Based on Newly Collected Data**  
*Julio Romero Prieto\*, London School of Hygiene & Tropical Medicine; Andrea Verhulst, University of Pennsylvania; Michel Guillot, University of Pennsylvania and INED*

## 183 Historical Studies of Inequality

*CHAIR: Emily Rauscher, Brown University  
DISCUSSANT: Peter Catron, University of Washington*

**9:15 AM-10:30 AM — Open Water**

- 
- 183-1 **The Convergence of Local Labor Market Inequality in the Long Run**  
*Tom VanHeuvelen\*, University of Minnesota*
- 183-2 **IGENS 20 Europeans: Immigrant Intergenerational Mobility in the United States, 1940–2017**  
*Kendal Lowrey\*, The Pennsylvania State University; Jennifer Van Hook, Pennsylvania State University; James Bachmeier, Temple University*
- 183-3 **The Demographic Determinants of Household Inequality: Evidence From Canadian Administrative Data**  
*Michael Haan\*, University of Western Ontario; Miguel Cardoso, Brock University*
- 183-4 **The Changing Price of Poverty: The Association Between Childhood Poverty and Adult Economic Status in Sweden, 1930–2015**  
*Gabriel Brea-Martinez\*, Lund University; Martin Dribe, Lund University; Maria Stanfors, Lund University*

## 184 Flash: Advances in Education and Labor Force Research

*CHAIR: Marianne Bitler, University of California, Davis*

**9:15 AM-10:30 AM — Open Water**

- 
- 184-1 **Competition Between Public and Private Education: Evidence From the Great Recession**  
*Jiwon Park\*, University of Texas at Austin*
- 184-2 **Have Early-Career Racial Gaps Changed Across Two Cohorts of American Men?**  
*Sai Luo\*, University of Maryland*
- 184-3 **Understanding Low High School Completion Rates in a Developing Country: Experimental Evidence From Argentina**  
*Carolina Lopez\**
- 184-4 **A Big Fish in a Small Pond: Academic Undermatching and College Outcomes**  
*Dafna Gelgiser\*, Tel Aviv University; Sigal Alon, Tel Aviv University*
- 184-5 **Peer Effects in College: How Peers' Performance Can Influence Students' Academic Outcomes**  
*Laeticia De Souza, Population Studies Center / University of Campinas (NEPO / UNICAMP); Cristine Pinto, EESP/FGV-SP; Bernardo Queiroz\*, CEDERPLAR; Dimitri Silva, EESP/FGV-SP*

**184-6 Teacher Turnover in Early Childhood Education: Longitudinal Evidence From the Universe of Publicly-Funded Programs in Louisiana**

Laura Bellows\*, University of Virginia; Daphna Bassok, University of Virginia; Anna Markowitz, University of California, Los Angeles

**184-7 The Labor Market Return to Reversing High School Dropout**

Rebecca Brough, University of Notre Dame; David Phillips, University of Notre Dame; Patrick Turner\*, University of Notre Dame

**184-8 Do Enrollment Gains From Conditional Cash Transfers Sustain Disruption? Studying the Rollback of a Successful Conditional Cash Transfers: Evidence From Mexico**

Fernanda Marquez-Padilla; Susan Parker\*, University of Maryland; Tom Vogl, University of Texas at Austin

**185 Cohabitation and Nonmarital Relationships**

*CHAIR: Jessica Su, University of North Carolina at Chapel Hill*

*DISCUSSANT: Sharon Sassler, Cornell University*

*DISCUSSANT: Jessica Su, University of North Carolina at Chapel Hill*

**9:15 AM-10:30 AM — Open Water**

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**185-1 Relationship Quality and Family Formation in Europe: How Country Context Shapes (Un)happy Couples' Transitions to Marriage and First Birth**

Niels Blom\*, Brienna Perelli-Harris, University of Southampton; Kenneth Wiik, Statistics Norway, research department

**185-2 Rising Nonmarital Childbearing Among College-Educated Women: Evidence From Three National Studies**

Andrew Cherlin\*, Johns Hopkins University

**185-3 Do Couples Face Economic Barriers to Marriage? Understanding the Contribution of Men's and Women's Economic Precariousness on First Cohabitation Outcomes in the United Kingdom, 1991–2018**

Lydia Palumbo\*, Max Planck Institute for Demographic Research; Ann Berrington, University of Southampton; Peter Eibich, Max Planck Institute for Demographic Research

**186 Pregnancy During Adolescence**

*CHAIR: Ushma Upadhyay, University of California, San Francisco*

*DISCUSSANT: Goleen Samari, Columbia University*

**9:15 AM-10:30 AM — Open Water**

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**186-1 Tanzanian Adolescents' Attitudes Toward Abortion: Using Vignettes in Survey Research on Sensitive Topics**

Anna Bolgrien\*, University of Minnesota; Deborah Levison, University of Minnesota

**186-2 Adverse Childhood Experiences, Adolescent Pregnancy, and Violence Exposure in Young Adulthood Among Female Youth in El Salvador and Honduras**

Sarah Huber-Krum\*, Centers for Disease Control and Prevention; Stephanie Miedema, Centers for Disease Control and Prevention; Joann Shortt, Centers for Disease Control and Prevention; Andres Villaveces, Centers for Disease Control and Prevention; Howard Kress, Centers for Disease Control and Prevention

**186-3 Premarital Fertility in Liberia: Exploring Predictors of Early Sexual Debut and Pregnancy Among Adolescent Girls in Monrovia**

Michelle Poulin\*, World Bank; Natalia Cantet, Universidad EAFIT; Tricia Koroknay-Palicz, World Bank

**186-4 Wives' Relative Income and Teen Sex Risk Latent Classes: Evidence From a Developing Setting**

Luis Alonso Quijano Ruiz, Xiamen University; Marco Antonio Faytong Haro\*, The Pennsylvania State University

**187 Fertility Intentions: Unique Risk Factors and Predictive Value**

*CHAIR: Ilene Speizer, University of North Carolina at Chapel Hill*

*DISCUSSANT: John Santelli, Columbia University*

**9:15 AM-10:30 AM — Open Water**

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**187-1 Dynamics of Low-Income Women's Fertility Intentions and Contraceptive Use in the Postpartum Period**

Emma Carpenter\*, University of Texas at Austin; Elizabeth Ela, University of Texas at Austin; Kari White, University of Texas at Austin

**187-2 How Do Fertility Intentions Lead to Contraceptive Continuation Among a Cohort of Family Planning Users Who Received Services From the Private Sector in Nigeria?**

Sara Chace Dwyer\*, Sikiru Baruwa, Population Council; Emeka Okafor, Society for Family Health; Osasuyi Dirusu, Population Council; Jennifer Anyanti, Society for Family Health; Babajide Daini, Population Council; Osimhen Ubuane, Population Council; Aparna Jain, Population Council

- 187-3 **Examining Changing Childbearing Expectations During the Post-Recessionary Period**  
*Alison Gemmill\*, Johns Hopkins Bloomberg School of Public Health; Caroline Hartnett, University of South Carolina*

- 187-4 **Adverse Childhood Experiences, Fertility Expectations, and Childbearing Over the Life Course**  
*Hayley Pierce\*, Brigham Young University; Alison Gemmill, Johns Hopkins Bloomberg School of Public Health*

## **188 Health and Well-being in Sexual and Gender Minority (SGM) Populations**

*CHAIR: Carolyn Halpern, University of North Carolina at Chapel Hill*

*DISCUSSANT: Zhe Zhang, Rice University*

**9:15 AM-10:30 AM — Open Water**

- 188-1 **Residential Displacement From Parental Home: Exploring the Intersection of Sexual Minority Status and Race/Ethnicity on Thrown-Away and Runaway Youth**  
*Beenna Han\*, University at Albany, SUNY*

- 188-2 **Moving on up? Sexualities and Neighborhood Attainment**  
*Andrew Levine\**

- 188-3 **Does the Intergenerational Educational Mobility of Sexual Minority Groups Differ Across Countries?**  
*Diederik Boertien\*, Centre for Demographic Studies (CED); Léa Pessin, Pennsylvania State University; Francisco Perales Perez, University of Queensland*

- 188-4 **Spatial Patterns of Migration Among Men Who Have Sex With Men in the United States**  
*Sean Reid\*; Susan Cassels, University of California Santa Barbara*

## **189 Historical Origins of Health Disparities**

*CHAIR: Ryan Gabriel, Brigham Young University*

*DISCUSSANT: Michael Esposito, University of Michigan*

**9:15 AM-10:30 AM — Open Water**

- 189-1 **Do U.S. Adults Spend More Time Alone Today Than in the Past? Evidence From the American Heritage Time Use Study**  
*Daniela Negraia\*, University of Oxford; Robert Rinderknecht; Sophie Lohmann, Max Planck Institute for Demographic Research; Emilio Zagheni, Max Planck Institute for Demographic Research*

- 189-2 **Race Differences in School Attendance Across the Jim Crow South and Its Implications for Black-White Disparities in Cognitive Impairment Risk Among Older Adults**  
*Katrina Walsmann\*, University of South Carolina; Stephanie Urena, Florida State University; Mateo Farina, University of Southern California; Jennifer Ailshire, University of Southern California*

- 189-3 **Redlining, Segregation, and Acute Myocardial Infarction Hospitalization in St. Louis, Missouri**  
*Christopher Prener\*, Saint Louis University*

- 189-4 **Race Differentials in Mortality in the United States, 1900–1940: Examining Linked Full-Count Census Data**  
*Jonas Helgertz\*, University of Minnesota/Lund University; John Warren, University of Minnesota; J. David Hacker, University of Minnesota; Elizabeth Wrigley-Field, University of Minnesota, Twin Cities*

## **190 Barriers, Facilitators, and Comparative Perspectives on Immigrant Integration**

*CHAIR: Annie Ro, University of California - Irvine*

*DISCUSSANT: Veena Kulkarni, Arkansas State University*

**9:15 AM-10:30 AM — Open Water**

- 190-1 **The Contours of Identification Choices Among First and Second-Generation African Migrants in France**  
*Julia Behrman, Northwestern University; Ewurama Okai\*, Northwestern University*

- 190-2 **Initial Host–Society/Migrant Relations: Implications for U.S. Refugee Integration**  
*Thoa Khuu\*, University of California, Irvine; Frank Bean, University of California-Irvine*

- 190-3 **Refugee Settlement and Social Integration: Evidence From Turkey**  
*Thomas Gautier\**

- 190-4 **Linguistic Barriers to Immigrant Labor Market and Cultural Integration in Italy**

## 191 Internal Migration

CHAIR: Michel Tenikue, Luxembourg Institute of Socio-Economic Research (LISER)

DISCUSSANT: Joël Machado,

9:15 AM-10:30 AM — Open Water

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### 191-1 Explaining the Decline in U.S. Internal Migration: The Role of Return Migration

Janna Johnson\*, Humphrey School of Public Affairs; Samuel Schulhofer-Wohl, Federal Reserve Bank of Chicago

### 191-2 Putting Migration Decline in Context: The Geography of U.S. Internal Migration, 1850–2010

Lee Fiorio\*, University of Washington

### 191-3 Rusty and Rooted: Estimating Duration of Residence in the U.S. Rust Belt Before, During, and After the Great Recession

Christopher Levesque\*, University of Minnesota; Jack DeWaard, University of Minnesota, Twin Cities

### 191-4 The Impact of State Borders on Mobility and Regional Labor Market Adjustments

Riley Wilson\*, Brigham Young University

## 192 Environmental and Climate Influences on Morbidity and Mortality

CHAIR: Elizabeth Fussell, Brown University

DISCUSSANT: Jenna Nobles, University of Wisconsin–Madison

9:15 AM-10:30 AM — Open Water

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### 192-1 The Intergenerational Consequences of Climate Change on Mid- to Late-Life Mortality: Evidence From Individual-Level U.S. Death Records

Nathan Seltzer\*, University of Wisconsin-Madison

### 192-2 Lifetime Geographic Mobility and Seasonal Mortality in U.S. Deaths, 1988–2005

Leslie Root\*, University of California, Berkeley

### 192-3 Did Dust Bowl Exposure Hasten Later Life Mortality? An Analysis of Human Longevity on a Young Adult Male Sample Using CenSoc Linked Data

Serge Atherwood\*, University of Texas at San Antonio

### 192-4 Population Change Meets Climate Change: Projecting the Future Health(care) Burden From Heat Waves in the Metropolitan Area of Vienna, Austria

Leora Courtney-Wolfman; Roman Hoffmann, Wittgenstein Centre for Demography and Global Human Capital; Raya Muttarak\*, International Institute for Applied Systems Analysis; Anna-Theresa Renner; Erich Striessnig, Wittgenstein Centre (IIASA, VID/ÖAW, Univ. Vienna); Ingrid Setz, Wittgenstein Centre (IIASA, OeAW, Univ. Vienna)

## 193 Discrimination and Racial/Ethnic Health Disparities (Including Bio-Social Pathways)

CHAIR: Christy Erving, Vanderbilt University

DISCUSSANT: Bridget Goosby, University of Texas at Austin

9:15 AM-10:30 AM — Open Water

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### 193-1 Intersectional Self-assessed Health Disparities, 2001–2018

Zachary Franzoni\*, University of Utah

### 193-2 Racial Disparities in Spatial and Temporal Adolescent Suicides Clusters

Jonathan Platt\*, Columbia University; John Pamplin, New York University; Katherine Keyes, Columbia University

### 193-3 Moving on Up? Neighborhood Affluence, Interpersonal Racism, and Psychobiological Distress Among Black Americans

Reed DeAngelis\*

### 193-4 Black Men's Mental Health: Healing From Complex Trauma and Toxic Environments

Kevin Roy\*; Craig Fryer, University of Maryland College Park; Joseph Richardson, University of Maryland College Park

## 194 Fertility Responses to Environmental Shocks

**CHAIR:** Roland Pongou, University of Ottawa  
**DISCUSSANT:** Alice Goisis, University College London  
**DISCUSSANT:** Elena Ambrosetti, University La Sapienza

**9:15 AM-10:30 AM — Open Water**

- 
- 194-1 **How Does Seasonal Food Insecurity Impact Fertility? A Multicountry Spatial Analysis of Contraceptive Use and Pregnancies**  
Nina Brooks\*, University of Minnesota; Kathryn Grace, University of Minnesota, Twin Cities; Devon Kristiansen, University of Minnesota; Shraddhanand Shukla, University of California, Santa Barbara; Molly Brown, University of Maryland
- 194-2 **How Close Is Too Close? Residential Proximity to Zika Case Locations and Fertility Decline in Singapore**  
Poh Lin Tan\*, National University of Singapore; Tikki Pang, National University of Singapore
- 194-3 **The Impact of Minimum Temperature on Human Fertility**  
Hyunwook Park\*, Cornell University
- 194-4 **Rebuilding Families After the Boxing Day Tsunami: Trauma Exposure, Fertility Expectations, and Fertility Outcomes**  
Bethany Stoutamire\*, University of North Carolina, Chapel Hill; Elizabeth Frankenberg, University of North Carolina at Chapel Hill; Duncan Thomas, Duke University; Cecep Sumantri, SurveyMETER

## **195 Invited: Funding for Population Research**

**CHAIR:** Christine Bachrach, University of Maryland

**9:15 AM-10:30 AM — Open Water**

- 
- 195-1 **Panelist**  
Joe Whitmeyer\*, National Science Foundation
- 195-2 **Panelist**  
Melanie Hughes\*, National Science Foundation
- 195-3 **Panelist**  
Rebecca Clark\*, Eunice Kennedy Shriver National Institute of Child Health and Human Development
- 195-4 **Panelist**  
Nancy Jones\*, National Institute on Minority Health and Health Disparities
- 195-5 **Panelist**  
John Phillips\*, National Institute on Aging

## **P6 - Fertility, Family Planning, Sexual Behavior, and Reproductive Health; and Religion and Culture**

**9:30 AM-11:00 AM — Open Water Poster Gallery**

- 
- P6-1 **Demography of Conflict and Violence: Death and Structural Violence in the Mexican War on Drugs**  
Uriel Lomeli-Carrillo\*, University of Texas at San Antonio
- P6-2 **Collecting and Analyzing Micro Data About the Amish, a Rapidly Growing Ethno-Religious North American Population**  
Cory Anderson\*; Samson Wasao, Independent Scholar
- P6-3 **Early Marriage and Son Preference in Pakistan**  
Rashid Javed, ESC Pau Business School; Mazhar Mazhar Mughal\*, Pau Business School, France
- P6-4 **Is Absence of Consent Another Form of Forced Marriage? Evidence From India Human Development Survey-II**  
Shekhar Chauhan, International Institute for Population Sciences; Sumit Kumar\*, Jawaharlal Nehru University; Ratna Patel, International Institute for Population Sciences
- P6-5 **The Culture of Kerala Migration: A Theoretical and Empirical Analysis**  
Sulaiman K M\*, International Institute for Population Sciences; Ram B Bhagat
- P6-6

## **Has Ever Use for Contraception Increased Over Time? Measurement and Implications for Family Planning Programs**

Kristin Bietsch\*, Avenir Health; Emily Sonneveldt, Avenir Health; Win Brown, Bill and Melinda Gates Foundation

- P6-7 **Does Pregnancy Wantedness Influence Use of Health Services for Mothers and Children?**  
Cassandra Cotton\*, Arizona State University
- P6-8 **Abortion Attitudes: Variation Across Gender and Parenthood**  
Karen Guzzo, Bowling Green State University; Amira Allen\*, Bowling Green State University
- P6-9 **Evolving Fertility Goals and Behaviors in Current Childbearing Cohorts**  
Karen Guzzo\*, Bowling Green State University; Sarah Hayford, The Ohio State University
- P6-10 **Linking Fertility Preferences and Unintended Birth Outcomes to Fertility Stalls in Sub-Saharan Africa**  
David Sanchez Paez\*, Université catholique de Louvain; Bruno Schoumaker, Universite Catholique de Louvain
- P6-11 **Condom Use and HIV/AIDS Among Youth in Edo State, Nigeria**  
Eric Tenkorang\*, Memorial University
- P6-12 **An Estimation of Fertility by Contraceptive Choice of Indian Couple**  
Prabhakara Narasandra\*
- P6-13 **Who Attends a Crisis Pregnancy Center in Ohio?**  
Robin Rice\*, Payal Chakraborty, The Ohio State University ; Lisa Keder, The Ohio State University ; Abigail Norris Turner, The Ohio State University ; Maria Gallo, The Ohio State University
- P6-14 **Determinants of HIV Testing Among Young People in South Africa**  
Germinah T Motshegwa\*, North West University; Martin Palamuleni, North West University
- P6-15 **The Role of Title X in Contraceptive Provision in U.S. Community Health Centers Prior to Title X Rule Changes**  
Blair Darney, Oregon Health & Science University; Frances Biel\*, OCHIN; Megan Hoopes, OCHIN; Maria Rodriguez, Oregon Health & Science University; Brigit Hatch, Oregon Health & Science University; Miguel Marino, Oregon Health & Science University; Jee Oakley; Teresa Schmidt, OCHIN; Erika Cottrell, OCHIN
- P6-16 **Before Pills and Injectables: Drivers of Traditional Contraceptive Practice Among Nonpregnant and Sexually Active Women in Sub-Saharan Africa**  
Justin DANSOU, University of Ibadan, Nigeria; Fidelia Dake\*, University of Ghana; Lorretta Favour C. Ntoimo, 3Department of Demography and Social Statistics, Federal University Oye-Ekiti, Ekiti State, Nigeria
- P6-17 **Variations in Initiation of First Antenatal Care Among Women of Reproductive Age in Sub-Saharan Africa: An Event History Analysis Approach**  
Justin DANSOU\*, University of Ibadan, Nigeria; Fidelia Dake, University of Ghana; Lorretta Ntoimo, Federal University Oye-Ekiti, Nigeria
- P6-18 **Traveling for Abortion Services in Mexico, 2016–2019: Community-Level Contexts of Women Able to Access Services**  
Laura Jacobson\*, OHSU-PSU School of Public Health; Biani Saavedra, Center for Research and Teaching in Economics (CIDE); Evelyn Fuentes-Rivera, Instituto Nacional de Salud Pública; Raffaela Schiavon, Independent Consultant; Blair Darney, Oregon Health & Science University
- P6-19 **The Paradox of Parenthood and Happiness: Exploring the Role of the Brain**  
Valentina Rotondi\*, Bocconi University; Nicola Barban, University of Essex; Carlo Reverberi, University of Milano-Bicocca; Maria Sironi, University College London
- P6-20 **The Effect of Polygamy on Fertility: Evidence From Five Sub-Saharan African Countries**  
Richard Daramola\*
- P6-21 **“Fertility as Mobility” in India**  
Manjistha Banerji\*, National Council of Applied Economic Research
- P6-22 **Levels and Trends in the Sex Ratio at Birth by Vietnam Region Between 1980–2018 With Probabilistic Projections to 2050: A Bayesian Modeling Approach**  
Fengqing Chao\*, King Abdullah University of Science and Technology; Christophe Guilmoto, Université de Paris; Hernando Ombao, King Abdullah University of Science and Technology
- P6-23 **Paid Maternity Leave and Employment Trajectories: Evidence From Income Continuation Insurance**  
Madelaine L'Esperance\*; Adibah binti Abdulhadi; J. Michael Collins, University of Wisconsin-Madison
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# **Intimate Partner Violence in Older South African Women: An Analysis of the 2016 Demographic and Health Survey**

Nicholas Metheny\*; Zaynab Essack, Human Sciences Research Council

- P6-25 **Interviewer Effects on Abortion Survey Responses in Three Countries**  
Katharine Footman\*
- P6-26 **Suicide Among Pregnant Females in South Africa: Intentional Self-harm or Attempted Termination of Pregnancy?**  
Nicole De Wet-Billings\*, University of the Witwatersrand
- P6-27 **The Prospective Power of Personality on Childbearing: A Longitudinal Study Based on Data From Germany**  
Steffen Peters\*
- P6-28 **Socioeconomic Factors in First Childbearing Postponement in Russia**  
Elizaveta Zelnitskaia\*, Center for Economic Research and Graduate Education – Economics Institute
- P6-29 **Young Rural Women in Peru: Fertility, Education, and Work, 1961–2017**  
Chris Boyd Leon\*, University of Minnesota
- P6-30 **Pakistani Paradox: What Explains the Decline in Unmet Need and Contraceptive Use Simultaneously? An In-depth Analysis of Three DHS Surveys From 2006–2017**  
Muhammad Wazir\*, UNFPA
- P6-31 **Exploring User-Centered Counseling in Contraceptive Decision-making: Evidence From a Field Experiment in Urban Malawi**  
Mahesh Karra, Frederick S. Pardee School of Global Studies, Boston University; Kexin Zhang\*, Boston University
- P6-32 **New Evidence of the Motherhood Penalty in French Academia: The Fertility of Women and Men in the Doctoral and Post-Doctoral Years**  
Mathieu Arbogast\*
- P6-33 **Factors Associated With Modern Contraceptive Behavior Among Sexually Active Unmarried Adolescents in Nigeria**  
Olaide Ojoniyi\*
- P6-34 **Age at Modern Contraceptive Initiation and Associated Factors Among Sexually Active Unmarried Adolescents in Nigeria**  
Olaide Ojoniyi\*, Kanayo Ogujiuba, University of the Western Cape.; Nancy Stiegler, University of the Western Cape.
- P6-35 **Using Longitudinal Cohort Data to Assess Birth and Pregnancy Reporting Concordance Among Women in Uganda**  
Dana Sarnak\*, Johns Hopkins Bloomberg School of Public Health; Carrie Wolfson, Johns Hopkins Bloomberg School of Public Health; Grace Sheehy, Johns Hopkins Bloomberg School of Public Health; Linnea Zimmerman, Johns Hopkins Bloomberg School of Public Health; Alison Gemmill, Johns Hopkins Bloomberg School of Public Health
- P6-36 **Accuracy of Wives' Proxy Reports of Husbands' Fertility Preferences in Sub-Saharan Africa**  
Dana Sarnak\*, Johns Hopkins Bloomberg School of Public Health; Stan Becker, Johns Hopkins University
- P6-37 **A Long Way to Go: An Analysis of the Proposed Engagement of Men and Boys in 13 Family Planning Country Implementation and Action Plans**  
Christopher Hook, Promundo; Karen Hardee\*, Hardee Associates; Tim Shand, Consultant; Sandra Jordan, Consultant; Margaret E. Greene, Promundo
- P6-38 **The Influence of Abortion Acceptability on the Locations Where Women First Seek Abortion Care in Nigeria**  
Mridula Shankar\*, Johns Hopkins Bloomberg School of Public Health; Suzanne Bell, Johns Hopkins Bloomberg School of Public Health; Caroline Moreau, INSERM/INED and Johns Hopkins School of Public Health
- P6-39 **From the Stork to Fertility Apps**  
Francesco Rampazzo\*, University of Oxford; Alyce Raybould; Pietro Rampazzo; Ross Barker
- P6-40 **Quality of Care in Sterilization Services at the Public Health Facilities in India: A Multilevel Analysis**  
Vinod Joseph K J\*, International Institute for Population Sciences; Arupendra Mozumdar, Population Council; Hemkhothang Lhungdim, International Institute for Population Sciences; Rajib Acharya, Population Council
- P6-41 **Ethno-Linguistic Divides and Fertility in Transitional Central Asia**  
Victor Agadjanian\*, University of California Los Angeles; Lesia Nedoluzhko, Independent Researcher
- P6-42 **Political Ideology and Fertility Intentions in Europe**

- P6-43 **Transnational Marriages and Sex Ratio at Birth in the United-States**  
Inbar Weiss\*, University of Texas at Austin
- P6-44 **Age-Disparate Relationships and Women's Life Course: Is Being in a Relationship With a Much Older Partner "Good" for Women in Zimbabwe?**  
Angela Chang\*; Morten Skovdal, University of Copenhagen
- P6-45 **The Role of Ethnicity Within Sub-Saharan Africans' Fertility Preferences**  
Jet Wildeman\*; Jeroen Smits, Radboud University; Sandor Schrijner, Radboud University
- P6-46 **Partisan Fertility in the Aftermath of the Great Recession**  
Chiara Ludovica Comolli\*, University of Lausanne; Gunnar Andersson, Stockholm University
- P6-47 **"Not Until I Have a Son": Son Preference and Contraceptive Behavior Among Women in Turkey**  
Selin Köksal\*, Bocconi University
- P6-48 **Do Family Planning Service Environments Shape Women's Knowledge of Where to Access Abortion Services? Evidence From a National Sample of Women and Facilities in Rural Ethiopia**  
Linnea Zimmerman\*, Johns Hopkins Bloomberg School of Public Health; Celia Karp, Johns Hopkins Bloomberg School of Public Health; Grace Sheehy, Johns Hopkins Bloomberg School of Public Health; Jessica Dozier, Johns Hopkins Bloomberg School of Public Health; Caroline Moreau, INSERM/INED and Johns Hopkins School of Public Health; Mahari Gidey
- P6-49 **How Does the Price of Contraception Affect Take-Up Among Low-Income, Uninsured Women: Evidence From a Randomized Control Trial**  
Martha Bailey, University of California, Los Angeles; Vanessa Lang\*, University of Michigan, Institute for Social Research; Lea Bart, University of Michigan; Iris Vrioni, University of Michigan; Paula Fomby, University of Michigan; Jennifer Barber, Indiana University; Daniel Eisenberg, University of California, Los Angeles; Vanessa Dalton, University of Michigan
- P6-50 **Early Female Marriage and Sex Differentials in Child Healthcare and Nutrition**  
Mazhar Mughal\*, Pau Business School, France; Rashid Javed, ESC Pau Business School
- P6-51 **Premarital Sexual Attitudes and Behaviors in Afghanistan**  
Rasoul Sadeghi\*, University of Tehran; Victor Agadjanian, University of California Los Angeles
- P6-52 **Unbraiding Discordance in Reporting Contraceptive Use Between Husbands and Wives in India: Covert Use or Discrepancy?**  
Md Juel Rana\*, Jawaharlal Nehru University; Kuriath James
- P6-53 **Couple Dynamics in Sex Preference, Fertility Intentions, and Behaviors in India**  
Md Juel Rana\*, Jawaharlal Nehru University
- P6-54 **Uncertainty in the Context of the COVID-19 Pandemic and Its Impact on Fertility Intentions in Kenya and Burkina Faso**  
Linnea Zimmerman\*, Johns Hopkins Bloomberg School of Public Health; Celia Karp, Johns Hopkins Bloomberg School of Public Health; Alison Gemmill, Johns Hopkins Bloomberg School of Public Health; Elizabeth Larson, Performance Monitoring for Accountability (PMA), Johns Hopkins Bloomberg School of Public Health; Philip Anglewicz, Johns Hopkins University; Caroline Moreau, INSERM/INED and Johns Hopkins School of Public Health; Suzanne Bell, Johns Hopkins Bloomberg School of Public Health
- P6-55 **Investigating Out-of-Pocket Payments for Modern Contraception in Tanzania Using a Nationally Representative Sample of Family Planning Users**  
Clara Busse\*, Katherine Tumlinson, University of North Carolina at Chapel Hill
- P6-56 **Validation of a Reproductive Empowerment Scale in Plateau State, Nigeria**  
Mahua Mandal\*, University of North Carolina-Chapel Hill; Lisa Marie Albert, Palladium; Bryan Shaw
- P6-57 **Ethiopian Midwives' Perception of Pre-Service Education and In-Service Training on Safe Abortion Care: A Cross-Sectional, Mixed Methods Study**  
Ibrahim Yimer, Ethiopian Midwives Association ; Hien Truong; Sarah Jane Holcombe, Bill & Melinda Gates Institute for Population and Reproductive Health; Addisu Fekadu, Ethiopian Midwives Association ; Aster Berhe, Ethiopian Midwives Association ; Belete Belgu, Ethiopian Midwives Association; Yeshitila Tesfaye, Ethiopian Midwives Association ; Sahai Burrowes\*, Touro University California
- P6-58 **Caring for New Mothers in South Korea: Contemporary Versus Traditional Forms of Postpartum Care**  
Ji Hye Kim\*; Mary Noonan, University of Iowa; Hyunsik Chun, University of Iowa
- P6-59 **An Examination of Reproductive Autonomy and Family Planning in Rural Malawi**

Alexandra Wollum\*; Marta Bornstein, University of California, Los Angeles; Alison Norris, The Ohio State University; Jessica Gipson, University of California-Los Angeles

- P6-60 **Fertility Transition and Patterns of Development in Districts of India, 2001–2016**  
Sayantani Chatterjee\*, International Institute for Population Sciences
- P6-61 **Understanding the Providers Preference and Practices for Family Planning Service Among Newly Married Women of North India**  
Abhishek Kumar\*, Population Council
- P6-62 **Why Is Korea's Fertility So Low (TFR: 0.92 in 2019)? An Explanation Based on the Role of Population Density**  
Woorim Ko\*, Seoul National University; YEJIN LIM, Myunggu Jung; Youngtae Cho, Seoul National University
- P6-63 **Intention to Use Contraception in Jordan**  
Sara Riese\*
- P6-64 **Factors Affecting the WHO-Recommended Minimum Interbirth Intervals in Rural India: Based on National Family Health Survey 4**  
SOURAV CHOWDHURY\*; Vineet Kumar
- P6-65 **An investigation into determinants of modern contraceptive use and unmet need for family planning among the urban poor: Evidence from two states of India**  
Ankita Siddhanta\*; Ajay Singh, IPE Global
- P6-66 **Politics, Fertility Behavior, and Population Control in Nigeria**  
Yemi Adewoyni\*, University of Nigeria; Clifford Odimegwu, University of Witwatersrand
- P6-67 **The Interrelationship Between Contraceptive Continuation and Client Satisfaction With Family Planning Services in Kenya, Nigeria, and Burkina Faso**  
Carolina Cardona\*, Johns Hopkins Bloomberg School of Public Health; Philip Anglewicz, Johns Hopkins University; Amy Tsui, Johns Hopkins University
- P6-68 **Progress in Reducing Inequalities in Modern Contraceptive Use in FP2020 Focus Countries: Results From 46 Countries Using a Cross-Sectional Design**  
Carolina Cardona\*, Johns Hopkins Bloomberg School of Public Health; Jean Christophe Rusatira, Bill & Melinda Gates Institute for Population and Reproductive; Carolina Salmeron, Johns Hopkins University; Saifuddin Ahmed, Johns Hopkins University
- P6-69 **Assessing the Impact of Changing Marriage Patterns on Future Trends in Contraceptive Use and Needs Among Adolescents**  
Philipp Ueffing\*, United Nations Population Division; Vladimira Kantorova, United Nations; Mark Wheldon, United Nations Population Division; Aisha Dasgupta, United Nations Population Division; Joseph Molitoris, Lund University
- P6-70 **Pregnancy Coercion, Correlates, and Associated Modern Contraceptive Use Within a Nationally Representative Sample of Ethiopian Women**  
Shannon Wood\*, Johns Hopkins Bloomberg School of Public Health; Jessica Dozier, Johns Hopkins Bloomberg School of Public Health; Celia Karp, Johns Hopkins Bloomberg School of Public Health; Selamawit Desta, Johns Hopkins Bloomberg School of Public Health; Michele Decker; Solomon Shiferaw, School of Public Health, Addis Ababa University; Assefa Seme Deresse, Addis Ababa University; Mahari Gidey; Linnea Zimmerman, Johns Hopkins Bloomberg School of Public Health
- P6-71 **Reproductive Coercion and Covert Use of Contraception Among a Population-Based Sample of Ethiopian Women: Opportunities for Nuanced Measurement**  
Jessica Dozier\*, Johns Hopkins Bloomberg School of Public Health; Linnea Zimmerman, Johns Hopkins Bloomberg School of Public Health; Solomon Shiferaw, School of Public Health, Addis Ababa University; Assefa Seme Deresse, Addis Ababa University; Mahari Gidey; Shannon Wood, Johns Hopkins Bloomberg School of Public Health
- P6-72 **Childless by Chance or by Choice? An Insight With In-depth Interviews**  
Maria-Letizia Tanturri\*, University of Padova; Annalisa Donno, University of Padua; Giulia Zanini, Queen Mary University of London
- P6-73 **Pathways to Childlessness or Motherhood in Southern Europe**  
Alberto del Rey\*, University of Salamanca; Mikolaj Stanek; Rafael Grande, University of Malaga
- P6-74 **Changes in Adolescent Fertility Across Municipalities in Nepal, 2011–2016**  
Charlotte Greenbaum\*, Population Reference Bureau; Samir K., ADRI, Shanghai University; Toshiko Kaneda, Population Reference Bureau; Barbara Seligman, Population Reference Bureau; Hari Dhonju, Digital Data System for Development
- P6-75 **Multiple Social Determinants of Women Health Deprivations in Unmet Need for Family Planning, Unintended Pregnancy, and Women's Health in India: A Spatial-Regional Analysis**  
Prem Mishra\*, Population Research Centre

- P6-76 **How Has the COVID-19 Pandemic Changed Contraceptive Provision in the United States? Survey Findings From Contraceptive Providers**  
*Alison Comfort\*, University of California San Francisco; Lavanya Rao, University of California San Francisco ; Suzan Goodman, University of California San Francisco; Tina Raine-Bennett, Kaiser Permanente Division of Research; Cynthia Harper, University of California, San Francisco*
- P6-77 **Factors Associated With Decision to Use Primary Abortion Source Among Women in Nigeria**  
*Meagan Byrne\*, Johns Hopkins Bloomberg School of Public Health; Suzanne Bell, Johns Hopkins Bloomberg School of Public Health; Caroline Moreau, INSERM/INED and Johns Hopkins School of Public Health; Funmilola OlaOlorun, University of Ibadan, Ibadan, Nigeria; Elizabeth Omoluabi, CRERD*
- P6-78 **An Enhanced Approach to Building Capacity for Quality Family Planning Service Delivery: Using Adult Learning Approaches and Coaching to Maximize Family Planning Training Impact**  
*Elaine Baruwa\*, Ben Johns, Abt Associates; Awa Dieng, Abt Associates; Allyson Fernandez Knott, Abt Associates; Sarah Bradley, Abt Associates; Yibis Kamwok, Independent Consultant; Paulina Akanet, Abt Associates; Oluwaseun Adeleke, Independent Consultant*
- P6-79 **Pregnancy Attitudes and Intentions in Turbulent Times**  
*Claudia Geist\*, University of Utah*
- P6-80 **Contraceptive Preference Dynamics Among Postpartum Women in Texas**  
*Kristen Burke\*, University of Texas at Austin*
- P6-81 **Individual and Community-Level Correlates of Ideal Number of Children Among Unmarried Young Adults in Nigeria**  
*Joshua Akinyemi\*, University of Ibadan; Clifford Odimegwu, University of Witwatersrand*
- P6-82 **Nonlinear Decomposition of Changes in Sexual Behavior Among Youth in Four Sub-Saharan Africa Countries, 2004–2018**  
*Joshua Akinyemi\*, University of Ibadan; Clifford Odimegwu, University of Witwatersrand; Nafisat Adeleke, University of Ibadan; Bridget Afam*
- P6-83 **Minors' Decision-making Around Abortion and Parental Involvement in Two Southern States**  
*Subasri Narasimhan\*, University of California-Los Angeles; Erin Carroll Rockwell, University of Alabama; Alexandra Linley McBrayer, University of Alabama; Sophie A. Hartwig, Emory University ; Peyton Lee Rogers, Emory University; Rachel Rebouche, Temple University; Melissa Kottke, Emory University; Kelli Hall, Columbia University; Kari White, University of Texas at Austin*
- P6-84 **Trends in Under-15 Fertility in the Developing World Since the 1960s**  
*Bruno Schoumaker\*, Universite Catholique de Louvain*
- P6-85 **Long-Term Effects of Teenage Birth on Education: Longitudinal Analysis of a Rural Population From Agincourt, South Africa**  
*Peter Kisaakye\*, University of Ghana; Pedzisai Ndagurwa, University of Witwatersrand; Francesc Xavier Gómez-Olivé, University of Witwatersrand; Kathleen Kahn, University of Witwatersrand; Stephen Tollman, University of Witwatersrand; Chodziwadziwa Kabudula, University of Witwatersrand*
- P6-86 **Obtaining Buy-in for Immediate Postpartum Long-Acting Reversible Contraception Programs**  
*Kristine Hopkins\*, University of Texas-Austin; Courtney Remington, University of Texas Rio Grande Valley School of Medicine; Saul Rivas, University of Texas Rio Grande Valley School of Medicine; Michelle Eilers, University of Texas at Austin; Cristina Wallace Huff, The University of Texas Health Science Center at San Antonio; L. David Moore, Texas Tech University HSC School of Medicine at the Permian Basin; R. Moss Hampton, Texas Tech University HSC School of Medicine at the Permian Basin; Tony Ogburn, University of Texas Rio Grande Valley School of Medicine*
- P6-87 **Examining Historically Redlined Neighborhoods and Preterm Birth in California**  
*Deborah Karasek\*, University of California, San Francisco; Seva Rodnyansky; Bridgette Blebu, University of California - Irvine; Laura Jelliffe-Pawlowski, University of California, San Francisco; Bina Shrimali, Federal Reserve Bank of San Francisco*
- P6-88 **Breastfeeding Among Disabled Women**  
*Virginia Jenkins\**
- P6-89 **Unintended Pregnancies in Cameroon: Patterns, Trends, and Determinants**  
*Teke Takwa\**
- P6-90 **Assessing Knowledge and Scientific Approaches to Understanding Contraceptive Use, Non-Use, and Unmet Need: A Scoping Literature Review of Research on FP2020 Countries, 2000–2016**  
*Maria Vignau Loria\*, University of Washington; Aasli Nur; Xinguang Fan; Sara Curran, University of Washington*
- P6-91 **Minority-Majority Religious Group Differences in Fertility: A Propensity Score Matching Approach Applied to South Asia**  
*Saman Naz\*, Pennsylvania State University; Mary Shenk, Pennsylvania State University*
- P6-92 **Assessing Contextual Variation in Demographic Divergence Within Sub-Saharan Africa**

Kirsten Stoebenau\*, University of Maryland; Heide Jackson, University of Maryland; Emily Smith-Greenaway, University of Southern California; Sangeetha Madhavan, University of Maryland-College Park; Sacha St-Onge Ahmad, University of Maryland

- P6-93 **Who Wants Another Child: Nonparental Child Care Availability and Fertility Intention in China**  
Zequn Tang\*, Shanghai University

- P6-94 **Trends in Multiracial Births in the United States From National Vital Statistics Birth Data**  
Rhiannon Kroeger\*, Louisiana State University; Jenjira Yahirun, Bowling Green State University

- P6-95 **The Early Pregnancy Attitudes Scale and Variation in First-Birth Timing by Nativity and Race/Ethnicity**  
Guadalupe Aguilera\*

## 196 Children and Youth With Disabilities and Their Families

CHAIR: Carrie Shandra, State University of New York at Stony Brook

DISCUSSANT: Kamila Kolpashnikova, University of Oxford

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- 196-1 **Childhood Disabilities and Differential Parental Time Investments in Siblings**  
Jocelyn Wikle\*, Brigham Young University; Alex Jensen, Brigham Young University

- 196-2 **Siblings of Youth With Disabilities in Sub-Saharan Africa: Prevalence and Education Outcomes**  
Anna Bolgrien\*, University of Minnesota

- 196-3 **“Our Legs are Tied to His Legs”: Long-Term Care of Adolescents With Developmental Disability in Rural India**  
Manoj Joseph\*

- 196-4 **Childhood Disability, Parental Marital Dissolution, and Absent Father’s Involvement After Marriage Breakup**  
Kai Feng\*, University of Pennsylvania; Laurin Bixby

## 197 COVID-19 and School Closures

CHAIR: Kate Choi, University of Western Ontario

DISCUSSANT: Patrick Denice, University of Western Ontario

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- 197-1 **Unequal Opportunity Spreaders: School Closure Timing and COVID-19 Deaths in the United States**  
Emily Rauscher\*, Brown University; Ailish Burns, Brown University

- 197-2 **Countries Embracing Maternal Employment Have Opened Schools Sooner After COVID-19 Lockdowns**  
Ansgar Hudde\*, Max Planck Institute for Demographic Research; Natalie Nitsche, Max Planck Institute for Demographic Research

- 197-3 **Learning Inequality During the COVID-19 Pandemic**  
Per Engzell\*, University of Oxford; Arun Frey, University of Oxford; Mark Verhagen, University of Oxford

## 198 New Methods for Modeling Social Stratification and Social Change

CHAIR: Yun Taek Oh, Minnesota Population Center & University of Minnesota

DISCUSSANT: Leslie Root, University of California, Berkeley

10:45 AM-12:00 PM — Open Water

- 198-1 **Strategy and Competition in Two-Sided Dating Markets**  
Hunter Wapman, University of Colorado; Elizabeth Bruch\*, University of Michigan; Daniel Larremore, University of Colorado

- 198-2 **Tempo Effect Adjustment of Period Total Fertility Rate, Based on a Location-Scale Model**  
Stefano Mazzuco\*, Universita di Padova; Lucia Zanotto

- 198-3 **Differential Pace of Fertility Decline, Social Mobility, and Inequality**  
Matheus Menezes dos Santos\*, Cedeplar/UFMG

- 198-4 **Method for Reconstructing Mortality by Socioeconomic Group**  
Laszlo Nemeth\*, Max Planck Institute for Demographic Research; Domantas Jasilionis, Max Planck Institute for Demographic Research; Henrik Brønnum-Hansen, University of Copenhagen; Dmitry Jdanov, Max Planck Institute for Demographic Research

## **199 Educational Inequality in Developing Countries**

*CHAIR: Ernesto Amaral, Texas A&M University*

*DISCUSSANT: David Lam, University of Michigan*

**10:45 AM-12:00 PM — Open Water**

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- 199-1 Start What You Finish! Ex Ante Risk and Schooling Investments in the Presence of Dynamic Complementarities**

*Andrew Foster, Brown University; Esther Gehrke\*, Wageningen University*

- 199-2 Intergenerational Mobility of Education in Vietnam**

*Khoa Vu\*; Maria Lo Bue, United Nations University-World Institute for Development Economics Research*

- 199-3 Does Vocational Secondary Education Still Pay? Comparative Analysis of Education Returns, Job Formality, and Access to Job Skills Among Young People in Egypt**

*Rania Roushdy\*, The American University in Cairo*

- 199-4 Changes in Assortative Matching and Educational Inequality: Evidence From Mexico**

*Jacob Penglase\*, San Diego State University; Lauren Hoehn-Velasco*

## **200 Advances in Poverty and Inequality Research**

*CHAIR: Maggie Jones, U.S. Census Bureau*

*DISCUSSANT: Timothy Smeeding, University of Wisconsin-Madison*

*DISCUSSANT: Rachel Shattuck, U.S. Census Bureau*

**10:45 AM-12:00 PM — Open Water**

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- 200-1 The Changing Impact of Parenthood on Earnings Inequality From 1989–2019**

*Benjamin Rosche\*, Cornell University; Kelly Musick, Cornell University*

- 200-2 Becoming Doubled-up: The Formation of Shared Households**

*Hope Harvey\*, University of Kentucky*

- 200-3 Cash Versus Food: How Does Food Stamp Eligibility Affect the Family Security of SSI Recipients?**

*Marianne Bitler, University of California, Davis; Lucie Schmidt\*, Williams College; Amelia Hawkins, Brandeis University*

- 200-4 The Impact of Early Family Income on Crime and Risky Behaviors**

*Revathy Suryanarayana\**

## **201 Gender and Families**

*CHAIR: Léa Pessin, Pennsylvania State University*

*DISCUSSANT: Rhiannon Miller, Johns Hopkins University*

**10:45 AM-12:00 PM — Open Water**

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- 201-2 Are Educated Men Vanguards of Changing Gender Relations? A Couple-Level Analysis**

*Barbara Okun\*, Liat Raz-Yurovich, The Hebrew University of Jerusalem*

- 201-3 Family Complexity and the Division of Household Labor**

*Ariane Ophir\*, University of Wisconsin-Madison*

- 201-4 Couples' Work Arrangements After First Birth: The Role of Family Leave Policies**

*Ann Meier\*, University of Minnesota; Jessie Himmelstern; Kelly Musick, Cornell University; John Warren, University of Minnesota*

## **202 Flash: Marital and Family Formation and Relationship Outcomes**

*CHAIR: Sharon Sassler, Cornell University*

**10:45 AM-12:00 PM — Open Water**

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- 202-1 Revisiting the Relationship Between Marriage and Health in Japan**

*Fumiya Uchikoshi\*, Princeton University; Noreen Goldman, Princeton University; James M Raymo, Princeton University*

- 202-2 Dowry Inflation: Perception or Reality?**

*Jane Lankes\*; Mary Shenk, Pennsylvania State University*

- 202-3 **The First Family Formation Among Young Americans: The Role of Family Process**  
Ali Roghani\*, Corey Sparks, University of Texas - San Antonio
- 202-4 **Educational Advantage and Earnings Lead? Assortative Mating and Spousal Pay Gap**  
Zhenchao Qian\*, Brown University; Yifan Shen, Brown University
- 202-5 **The Variability of the Age at First Marriage Across Education Levels and Birth Cohorts: A Case of Taiwan**  
Hao-Chun Cheng\*
- 202-6 **Adverse Childhood Experience, Suicidal Ideation, Education, and First Marriage in Adulthood**  
Wen-Hsu Lin\*, Chin-Chun Yi, Institute of Sociology, Academia Sinica
- 202-7 **Transition Into First Marriage in Northern Taiwan: Does Adolescent Self-esteem Matter?**  
Chia-Yu Lee\*; Chi Chiao, National Yang-Ming University; Wen-Hsu Lin

## 203 Sex, Childbearing, and Qualitative Perspectives

CHAIR: John Santelli, Columbia University  
DISCUSSANT: Jennifer Hirsch, Columbia University

10:45 AM-12:00 PM — Open Water

- 203-1 **Masculinity, Money, and the Postponement of Parenthood in Nigeria**  
Daniel Smith\*, Brown University
- 203-2 **When Desires Compete: The Role of Sexual Desire and the Desire to Avoid Pregnancy on Young Women's Sexual Behavior and Contraceptive Use**  
Michelle Eilers\*, University of Texas at Austin
- 203-3 **Why Do Women Delay Childbearing in Mumbai? An Exploration Into the Reasons of Delay**  
Aishwarya .\*; P. Arokiasamy, International Institute for Population Sciences, Mumbai, India
- 203-4 **What Children Mean: A Comparative Qualitative Analysis in China, Japan, and Spain**  
Yun Zhou\*, University of Michigan; Xiana Bueno, Centre d'Estudis Demogràfics; Mary Brinton, Harvard University

## 204 The Structural Determinants of Racial/Ethnic Disparities in Reproductive Health

CHAIR: J'Mag Karbeah,  
DISCUSSANT: Goleen Samari, Columbia University  
DISCUSSANT: Jessica Gipson, University of California-Los Angeles

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- 204-1 **Racial and Ethnic Abortion Disparities Following Georgia's 22-Week Gestational Age Limit**  
Elizabeth Mosley\*, Emory University; Sara Redd, Emory University; Emily Lemon, Emory University; Sophie Hartwig, Emory University; Subasri Narasimhan, Emory University; Erin Berry, Emory University; Eva Lathrop, PSI; Lisa Haddad, Population Council; Roger Rochat, Emory University; Carrie Cwiak, Emory University ; Kelli Hall, Columbia University
- 204-2 **LGBT-Specific State Policies and Maternal Hypertension**  
Bethany Everett\*, University of Utah
- 204-3 **Inconsistent Access to Reproductive Healthcare Among Abortion Patients in Mississippi**  
Margaret Williams\*, University of Alabama at Birmingham; Kari White, University of Texas at Austin; Kari White, University of Texas at Austin
- 204-4 **Evaluating Disparities in Access to Obstetric Services for American Indians Across Montana**  
Maggie Thorsen\*, Montana State University; Sean Harris, Montana State University; Ronald McGarvey, University of Missouri; Janelle Palacios, Kaiser Permanente Northern California- Oakland; Andreas Thorsen, Montana State University

## 205 Sexual Behaviors and Health

CHAIR: Lawrence Stacey, The Ohio State University  
DISCUSSANT: Brooke West, Columbia University

10:45 AM-12:00 PM — Open Water

- 205-1 **Suicides in Sweden Among Older Men Following an Abrupt Increase in the Availability of Sildenafil**  
Ralph Catalano, UC Berkeley; Sidra Goldman-Mellor, University of California, Merced; Tim-Alen Bruckner\*, University of California, Irvine; Terry Hartig, University of Uppsala

- 205-2 **Sexual Debut and Substance Use: Evidence From a Study on University Students**  
Fausta Ongaro\*, University of Padova; Valentina Tocchioni, University of Florence
- 205-3 **The Stress of Structural Barriers to Care: Difficulty Accessing Desired Contraception and Psychological Distress**  
Layne Amerikaner\*, University of Maryland
- 205-4 **PrEP Disclosure Decision-making and Experiences Among Gay or Bisexual Men in Guatemala City**  
Sophia Bartels\*, University of North Carolina at Chapel Hill; Ingrid Castillo , CAS Guatemala – Colectivo Amigos Contra el SIDA; Lisa Hightow-Weidman, UNC School of Medicine ; Kate Muessig , University of North Carolina at Chapel Hill; Dirk Davis , University of North Carolina at Chapel Hill; Cesar Galindo , CAS Guatemala – Colectivo Amigos Contra el SIDA; Clare Barrington, University of North Carolina at Chapel Hill

## 206 Intersectionality and Population Health

CHAIR: Guadalupe Marquez-Velarde, Utah State University

DISCUSSANT: Gabe Miller, Mississippi State University

10:45 AM-12:00 PM — Open Water

- 206-1 **Race/Ethnicity, Sexual Orientation, and Perceived Stress Among Adults in the United States: An Intersectional Approach**  
Stephanie Hernandez\*, University of North Carolina at Chapel Hill; Carolyn Halpern, University of North Carolina at Chapel Hill; Robert Hummer, Carolina Population Center
- 206-2 **Intersections of Race, Gender, and Sexual Identity Attributions Toward Discrimination and Mental Health Across Three Generations of LGB Adults**  
Allen Mallory\*, University of Texas Austin; Stephen Russell, University of Texas at Austin; Ilan Meyer, University of California-Los Angeles
- 206-3 **Psychological Distress at the Intersections of Sexual Orientation and Socioeconomic Status**  
Russell Spiker\*, Vanderbilt University; Lawrence Stacey, The Ohio State University; Rin Reczek, The Ohio State University
- 206-4 **Intersectional Immunity? Examining How Race/Ethnicity and Sexual Orientation Combine to Shape Influenza Vaccination Among U.S. Adults**  
Kiana Wilkins\*

## 207 Flash: New Research in Historical Demography

CHAIR: Jonas Helgertz, University of Minnesota/Lund University

10:45 AM-12:00 PM — Open Water

- 207-1 **In the Name of the Father: Fertility, Religion, and Child Naming During the Demographic Transition**  
Dylan Connor\*, Arizona State University
- 207-2 **From the Black Death to the End of the Modern Period: When Did the Little Divergence in Europe Begin?**  
Alfonso Carballo\*, Bocconi University
- 207-3 **Class or Place? An Analysis of Under-5 Mortality in London at the Beginning of the Twentieth Century**  
Sarah Rafferty\*
- 207-4 **Urban Patrilineal Kin Propinquity in the United States, 1880**  
Matt Nelson\*, University of Minnesota
- 207-5 **Revising the Canonical View of Urban/Rural Mortality Convergence in the United States, 1900–1936**  
James Feigenbaum, Boston University; Lauren Hoehn-Velasco\*, Elizabeth Wrigley-Field, University of Minnesota, Twin Cities
- 207-6 **My Brother Moses: A Sibling Analysis of Longevity and African American Names**  
Joshua Goldstein, University of California, Berkeley; Guy Stecklov\*, University of British Columbia; Casey Breen, University of California, Berkeley
- 207-7 **Height and Marital Outcomes in the Netherlands, Birth Years 1841–1900: A Sibling Design Study Using Cure Models**  
Kristina Thompson\*, Xander Koolman, Vrije Universiteit Amsterdam; France Portrait, Vrije Universiteit Amsterdam
- 207-8 **Identifying and Correcting Bias in Big Crowd-Sourced Online Genealogies**  
Michael Chong\*, University of Toronto; Diego Alburquerque-Gutierrez, Max Planck Institute for Demographic Research; Emanuele Del Fava, Max Planck Institute for Demographic Research; Monica Alexander, University of Toronto; Emilio Zagheni, Max Planck Institute for Demographic Research

## 208 Consequences of Internal Migration

**CHAIR:** Roland Pongou, University of Ottawa

**DISCUSSANT:** Mathias Kuepie, UNFPA

**10:45 AM-12:00 PM — Open Water**

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- 208-1 **Labor Market Formalization and Migrant Wage Penalty in Urban China**  
Yiyue Huangfu\*, University of Wisconsin-Madison

- 208-2 **Are the Kids Alright? The Impact of Parental Migration on Education of Left-Behind Children and Adolescents: Evidence From Vietnam**  
Arnstein Aassve\*, Bocconi University; Veronica Toffolotti, Università Commerciale Luigi Bocconi; Ian Coxhead, University of Wisconsin; Nguyen Vuong

- 208-3 **Internal Brain Drain and Urban Decline in Spanish Depopulated Regions**  
Miguel González-Leonardo\*; Antonio Lopez-Gay, Centre d'Estudis Demografics

- 208-4 **Toward a Typology of Childhood Internal Mobility: Do Migrants and Nonmigrants Differ?**  
Joeke Kuyvenhoven\*, Netherlands Interdisciplinary Demographic Institute (NIDI)/KNAW/University of Groningen; Marjolijn Das, Statistics Netherlands (CBS); Helga de Valk, Netherlands Interdisciplinary Demographic Institute (NIDI)/KNAW/University of Groningen

## **209 Adult Mortality in Low- and Middle-Income Countries**

**CHAIR:** Nikkil Sudharsanan, Heidelberg Institute of Global Health

**DISCUSSANT:** Nikkil Sudharsanan, Heidelberg Institute of Global Health

**10:45 AM-12:00 PM — Open Water**

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- 209-1 **Changing Adult Mortality in India: Converging or Diverging**  
Moradhvaj Moradhvaj\*, Jawaharlal Nehru University; Nandita Saikia, Jawaharlal Nehru University

- 209-2 **Tracking Mortality Changes From Health Facility Data in Sub-Saharan Africa: How Do Hospital Deaths Differ From Home Deaths in Antananarivo (Madagascar)?**  
Bruno Lankoande\*, Bruno Masquelier, Centre for Demographic Research, Université catholique de Louvain; Geraldine Duthe, INED; Anjarasoa Rasoanomenjanahary, Bureau Municipal d'Hygiène de la Commune Urbaine d'Antananarivo, Madagascar

- 209-3 **HIV and Healthy Longevity Among Older South African Adults**  
Collin Payne\*, Australian National University; Brian Houle, The Australian National University; Chido chinogurei, University of Witwatersrand; Carlos Riumallo Herl, Erasmus University; Chodziwadziwa Kabudula, University of the Witwatersrand; Jennifer Manne-Goehler, Massachusetts General Hospital

- 209-4 **Twin Epidemics: Interaction Effects of HIV and Hypertension on Mortality Risk in Rural South Africa, 2010–2016**  
Brian Houle, The Australian National University; Chodziwadziwa Kabudula, University of the Witwatersrand; Xavier Gomez-Olive, University of Witwatersrand; Andrea Tilstra\*, University of Colorado Boulder; Sanyu Mojola, Princeton University; Enid Schatz, University of Missouri, Columbia; Samuel Clark, The Ohio State University; Nicole Angotti, American University; Jane Menken, University of Colorado, Boulder

## **210 Socioeconomic Status, Families, and Health**

**CHAIR:** Dustin Brown, Mississippi State University

**DISCUSSANT:** Connor Sheehan, Arizona State University

**10:45 AM-12:00 PM — Open Water**

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- 210-1 **Retrospective Reports of Socioeconomic Disadvantage in Childhood and Mortality Risk: Are Associations Consistent Across Measures and Sex?**  
Amanda Ng\*, University of Maryland; Natalie Slopen, University of Maryland School of Public Health

- 210-2 **The Interaction of Early Life Health, Genetics, and Occupational Demands in SSDI Determinations**  
Amal Harrati\*, Stanford University; Lauren Schmitz, University of Wisconsin-Madison

- 210-3 **Socioeconomic Status in Midlife and Later-Life Cognitive Function**  
Angela Forgues\*, University of Wisconsin Madison

- 210-4 **Crossover Effects of Education on Health Within Married Couples**  
Andrew Halpern-Manners\*, Indiana University; Elaine Hernandez, Indiana University; Tabitha Wilbur, Indiana University

## **211 Environment and Social Inequality**

**CHAIR:** Anjum Hajat, University of Washington

*DISCUSSANT: Elizabeth Fussell, Brown University*

*10:45 AM-12:00 PM — Open Water*

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- 211-1 **The Regressive Costs of Drinking Water Contaminant Avoidance**  
*Kelly Hyde\*, University of Pittsburgh*
- 211-2 **Counting the Victims of Early-Life Lead Exposure Between 1976–2016: Race-Specific Estimates and Population-Level Consequences**  
*Michael McFarland\*, Florida State University; Mathew Hauer, Florida State University; Katrinell Davis, Florida State University*
- 211-3 **Environmental Inequality and Residential Sorting in Germany: A Spatial Time-Series Analysis Identifying the Demographical Consequences of Industrial Sites**  
*Tobias Rüttenauer\*, University of Oxford; Henning Best, TU Kaiserslautern*
- 211-4 **Weathering Changes: Climate Shocks and Migration by Disadvantaged Social Groups in Rural India**  
*Dhiman Das\*, Maryland Population Research Center*

**212 Invited: Unequal City: Showcasing Research on Race/Ethnicity, Space, and Inequality in St. Louis**

*CHAIR: Ariela Schachter, Washington University in St. Louis*

*10:45 AM-12:00 PM — Open Water*

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- 212-1 **Long-Term Dynamics of Neighborhoods and Crime: The Role of Education Over 40 Years**  
*Adam Boessen\*, University of Missouri-St. Louis*
- 212-2 **Immigrant Communities in St. Louis**  
*Ness Sandoval\*, St. Louis University*
- 212-3 **Metropolitan Segregation, Race, and Criminalization in St. Louis**  
*Odis Johnson\*, Johns Hopkins University*
- 212-4 **Housing Justice in St. Louis: The Importance of Inside/Outside Strategy**  
*Molly Metzger\*, Washington University in St. Louis*
- 212-5 **Data Seams: Tracking Local COVID-19 Trends and Disparities**  
*Christopher Prener\*, Saint Louis University*

**213 Invited: What Has the U.S. Statistical System Learned From the COVID-19 Pandemic?**

*CHAIR: Katherine Wallman, Office of Management and Budget (retired)*

*10:45 AM-12:00 PM — Open Water*

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- 213-1 **Panelist**  
*William Beach\*, Bureau of Labor Statistics*
- 213-2 **Panelist**  
*Victoria Velkoff\*, U.S. Census Bureau*
- 213-3 **Panelist**  
*Brian Moyer\*, National Center for Health Statistics*
- 213-4 **Panelist**  
*James "Lynn" Woodworth\*, National Center for Health Statistics*

**214 Inequality in the Transition to Adulthood**

*CHAIR: Jessica Hardie, Hunter College, CUNY*

*DISCUSSANT: Youngmin Yi, Cornell University*

*1:00 PM-2:15 PM — Open Water*

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- 214-1 **The Influence of Early-Life Dis/Advantage and Socioeconomic Mobility on Early- to Midlife Depressive Symptom Trajectories Among African American Women and Men**  
*Alexis Dennis\*, University of North Carolina at Chapel Hill; Taylor Hargrove, University of North Carolina at Chapel Hill; Sadie Emch, University of North Carolina at Chapel Hill; Robert Hummer, Carolina Population Center*

- 214-2 **The Long-Term Consequences of Chronic Conditions in Childhood: Using Relative Distributions to Investigate Differences in Earnings and Health in Young Adulthood**  
*Emmanuelle Arpin\*, University of Toronto; Arjumand Siddiqi, University of Toronto; Claire de Oliveira, University of York; Audrey Laporte, University of Toronto*
- 214-3 **Navigating Opportunity? A Randomized Controlled Trial of Placing College Navigators in Public Housing**  
*Rebecca Johnson\*, Dartmouth College; Michael DiDomenico, GSA Office of Evaluation Sciences; Rekha Balu, GSA Office of Evaluation Sciences; Mary Clair Turner, GSA Office of Evaluation Sciences*
- 214-4 **Educational Attainment by Childhood Family Income: Evidence From Linked American Community Survey and IRS Data**  
*Leah Clark\*, U.S. Census Bureau; Nikolas Pharris-Ciurej; Jennifer Ortman, U.S. Census Bureau; John Voorheis, United States Census Bureau*

## **215 COVID-19 and Mental Health**

*CHAIR: Yang Zhang, University of Michigan  
DISCUSSANT: Anna Zajacova, University of Western Ontario*

**1:00 PM-2:15 PM — Open Water**

- 215-1 **Stress and COVID-19 Experiences Among Sexual Minority and Heterosexual Couples**  
*Wendy Manning\*, Bowling Green State University; Claire Kamp Dush, University of Minnesota*
- 215-2 **Motherhood and Stress During COVID-19: Exploring the Moderating Effects of Employment**  
*Xu Yan\*, Liana Sayer, University of Maryland; Long Doan; R. Gordon Rinderknecht, Max Planck Institute for Demographic Research; Kelsey Drotning, University of Maryland, College Park; Jessica N. Fish, University of Maryland, College Park; Clayton Buck, University of Maryland, College Park*
- 215-3 **Stigma, Perceived Discrimination, and Mental Health During China's COVID-19 Outbreak: A Mixed-Methods Investigation**  
*Wen Fan\*, Boston College; Yue Qian, University of British Columbia; Yongai Jin, Renmin University of China*
- 215-4 **The COVID-19 Pandemic and Mental Health of College Students**  
*Jane Fruehwirth\*, Siddartha Biswas, University of North Carolina at Chapel Hill; David Lambert, University of North Carolina at Chapel Hill; Krista Perreira, University of North Carolina at Chapel Hill*

## **216 Remote Sensing, Digital Trace, and Other Alternative Data Sources**

*CHAIR: Barbara Entwistle, University of North Carolina at Chapel Hill  
DISCUSSANT: Brian Levy, George Mason University*

**1:00 PM-2:15 PM — Open Water**

- 216-1 **Using Social Media to Measure Demographic Responses to Natural Disaster: Insights From a Large-Scale Facebook Survey Following the 2019 Australia Bushfires**  
*Paige Maas, Facebook; Zack Almquist\*, University of Washington; Eugenia Giraudy, Facebook; JW Schneider, Facebook*
- 216-2 **Using Satellite Data to Measure Destruction and Displacement**  
*Ferda Ofli\*, Qatar Computing Research Institute; Kiran Garimella; Ingmar Weber, Qatar Computing Research Institute, HBKU*
- 216-3 **Synergizing Spatial Data With Census Data to Estimate Sustainable Development Goal (SDG) 11.3.1 at Village Level in the Peri-Urban Villages of Gujarat, India**  
*Sikarwar Ankit Kumar\*, International Institute for Population Sciences; Aparajita Chattopadhyay, International Institute for Population Sciences; Ritu Rani, International Institute of Population Sciences (IIPS)*
- 216-4 **The Contingency of Neighborhood Diversity: Variation of Social Context Using Mobile Phone Location Data**  
*Wenfei Xu\*, Columbia University*

## **217 Factors Associated With Educational Outcomes in Developing Countries**

*CHAIR: Ernesto Amaral, Texas A&M University  
DISCUSSANT: Jocelyn Finlay, Harvard University*

**1:00 PM-2:15 PM — Open Water**

- 217-1 **Adolescent Fertility and Gender Differences in High School Dropout in Chile**  
*Viviana Salinas\*, Instituto de Sociología, Pontificia Universidad Católica de Chile; Valentina Jorquera, Pontificia Universidad Católica de Chile*
- 217-2 **Social Network and Indoctrinated Preferences for College Education**

Soumya Pal\*

**217-3 Children's School Attendance, Work, Health, and Rainfall Shocks in Ethiopia**

Evangelos Falaris\*

**217-4 Successful Interventions at Scale: The Importance of Managers**

Anne Fitzpatrick\*; Sabrin Beg, University of Delaware; Adrienne Lucas, University of Delaware

**218 Aging and Caregiving**

*CHAIR: Esther Friedman, RAND Corporation*

*DISCUSSANT: Sung Park, Harvard University*

*DISCUSSANT: Sung Park, Harvard University*

**1:00 PM-2:15 PM — Open Water**

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**218-1 Diversity and Dynamics in Care Networks of Older Adults**

Zhiyong Lin\*, University of Texas at Austin

**218-2 The Care Work System Changes and Continuities in the Provision of Care**

Pilar Gonalons Pons\*, University of Pennsylvania

**218-3 The "Sandwich Generation" Revisited: Global Demographic Drivers of the Demand of Care Time**

Diego Alburez-Gutierrez\*, Max Planck Institute for Demographic Research; Carl Mason, University of California, Berkeley; Emilio Zagheni, Max Planck Institute for Demographic Research

**218-4 Is There an Unmet Need for Help Among Older Adults Without Close Family Members?**

Huijing Wu\*, University of Western Ontario; Rachel Margolis, University of Western Ontario; Ashton Verdery, Penn State

**219 Parenthood and The Gender Division of Labor**

*CHAIR: Léa Pessin, Pennsylvania State University*

*DISCUSSANT: Jane Lankes,*

**1:00 PM-2:15 PM — Open Water**

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**219-1 Occupational Earnings Inequality, Time Use, and Subjective Well-being: Variations by Sex and Parental Status**

Younghwan Song\*, Union College

**219-2 Family-to-Work Conflict During the COVID-19 Pandemic**

Miranda Berrigan\*, The Ohio State University; Claire Kamp Dush, University of Minnesota; Wendy Manning, Bowling Green State University

**219-3 Changes in Parents' Domestic Labor During the COVID-19 Pandemic**

Daniel Carlson\*, University of Utah; Richard Petts, Ball State University; Joanna Pepin, University at Buffalo

**219-4 Gender Division of Labor and Relationship Quality Before and During the COVID-19 Pandemic**

Lindsay Cannon\*, University of Wisconsin - Madison; Emma Romell, University of Wisconsin-Madison

**220 Adolescent Reproductive Health in the United States**

*CHAIR: Kelli Hall, Columbia University*

*DISCUSSANT: Lauren Ralph, University of California, San Francisco*

**1:00 PM-2:15 PM — Open Water**

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**220-1 Comparability of Estimates and Trends in Adolescent Sexual Behavior From Two National Surveys**

Laura Lindberg\*, Guttmacher Institute; Rachel Scott, INSERM U.1018 - Equipe 7 / LSHTM; Sheila Desai, Guttmacher Institute; Zoe Pleasure, Guttmacher Institute

**220-2 "Try It Out, Test It Out" and See How Your Body Reacts: Experiences With Contraceptives and Contraceptive Counseling Among Adolescent and Emerging Adult Black Women in South Carolina**

Katie Baker\*, East Tennessee State University; Abbey Mann, East Tennessee State University; Joel Hillhouse, East Tennessee State University; Michael Smith; Nathan Hale, East Tennessee State University; Amal Khoury, East Tennessee State University

**220-3 Contraceptive Provision in Oregon School-Based Health Centers, 2012–2016: Trends in Method Type, Racial/Ethnic Disparities, and the Role of Title X**

**Emily Boniface\***; **Maria I. Rodriguez**, *Oregon Health & Science University*; **John Heintzman**, *Oregon Health & Science University*; **Sarah Knipper**, *Oregon Health Authority*; **Rebecca Jacobs**, *Oregon Health Authority*; **Blair Darney**, *Oregon Health & Science University*

- 220-4 **Intimate Relationship Dynamics and the Onset of Sexual Intercourse Within Young Adult Relationships**  
**Yasamin Kusunoki\***, *University of Michigan*; **Allison Hand**, *University of Michigan*; **Heather Gatny**, *University of Michigan*; **Jennifer Barber**, *Indiana University*

## 221 Timing and Spacing

**CHAIR:** **Karen Guzzo**, *Bowling Green State University*  
**DISCUSSANT:** **Caroline Hartnett**, *University of South Carolina*

**1:00 PM-2:15 PM — Open Water**

- 221-1 **Adult Familial Death and First Birth Timing**  
**Heather Rackin\***, *Louisiana State University*; **Christina Gibson-Davis**, *Duke University*
- 221-2 **Cohort Heterogeneity in the Educational Costs of Adolescent Childbearing**  
**Joseph Wolfe\***, *University of Alabama at Birmingham*; **Mieke Thomeer**, *University of Alabama at Birmingham*; **Shawn Bauldry**, *Purdue University*
- 221-3 **Speed Premium: (Unexpected) Health Consequences of a Policy Reducing Birth Spacing**  
**Enrico Debiashi\***; **Siddartha Aradhya**, *Lund University*; **Sol Juarez**, *Stockholm University*
- 221-4 **Motherhood Biographies and Midlife Women's Health**  
**Mieke Thomeer\***, *University of Alabama at Birmingham*; **Rin Reczek**, *The Ohio State University*

## 222 Sexual Minority (LGBQAI+) Populations

**CHAIR:** **Trenton Mize**, *Purdue University*

**DISCUSSANT:** **Trenton Mize**, *Purdue University*

**1:00 PM-2:15 PM — Open Water**

- 222-1 **Are All of the "Undecided" Sexual/Gender Minorities? A Queer Demographic Analysis of an Experimental Study to Improve Sexual Orientation and Gender Identity (SOGI) Questions**  
**Daiki Hiramori\***, *University of Washington*; **Saori Kamano**, *National Institute of Population and Social Security Research*; **Takeyoshi Iwamoto**, *Kanazawa University*
- 222-2 **Explaining Regional Differences in Attitudes Toward Gay Men and Lesbians: The Contextual Influence of Education**  
**Jason Budge\***
- 222-3 **Structural and Community Risks for LGBTQIA Experiences of Campus Sexual Assault**  
**Shamus Khan**, *Columbia*; **Jennifer Hirsch\***, *Columbia University*; **Jessie Ford**, *Columbia University*; **Alexander Wamboldt**, *No institutional affiliation*; **Claude Mellins**, *New York State Psychiatric Institute*
- 222-4 **Sexual and Gender Minority Well-being: Toward a More Holistic Understanding of Well-being**  
**Lawrence Stacey\***, *The Ohio State University*; **Rin Reczek**, *The Ohio State University*; **Russell Spiker**, *Vanderbilt University*

## 223 Social Context, Immigration, and Health

**CHAIR:** **Janeria Easley**, *Emory University*

**DISCUSSANT:** **Christina Diaz**, *University of Arizona*

**1:00 PM-2:15 PM — Open Water**

- 223-1 **Parental Migrant Status and Health Inequalities at Birth: The Role of Immigrant Educational Selectivity**  
**Sandra Florian**, *Institut National d'Etudes Démographiques (INED)*; **Mathieu Ichou**, *Institut National d'Études Démographiques (INED)*; **Lidia Panico\***, *Institut National d'Études Démographiques (INED)*
- 223-2 **Immigrant Health (Dis)advantage in the Labor Market**  
**Hui Zheng\***, *The Ohio State University*; **Wei-hsin Yu**, *University of California, Los Angeles*
- 223-3 **Self-selection, Geographic Context, and Infant Health: The Case of Blacks in the United States**  
**Mosi Ifatunji\***, *University of Wisconsin-Madison*; **Savannah Larimore**
- 223-4 **Area-Level Inequality in Healthcare Access and Immigrant Health Trajectories**  
**Megan Reynolds**, *University of Utah*; **Yvette Young\***, *University of Utah*; **Zizheng Song**, *University of Utah*

## **224      Forced Migration and Gender**

*CHAIR: Nobuko Mizoguchi, U.S. Census Bureau International Programs*

*DISCUSSANT: Ellen Kraly, Colgate University*

**1:00 PM-2:15 PM — Open Water**

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- 224-1    **The Effect of Voluntary and Involuntary Migration on Women's Well-being: Evidence From Iraq**  
Cynthia Pando\*, Elizabeth Boyle, *University of Minnesota*; Cassandra Fate, *University of Minnesota*; Lila Sahar, *University of Minnesota*; Erika Sanborne
- 224-2    **Contraception Use Among the Rohingya Women in Bangladesh: A Cross-Sectional Study**  
Md Nuruzzaman Khan\*, *University of Newcastle*; M Mofizul Islam, *La Trobe University, Australia*; Md Mashur Rahman, *Independent Researcher*; Md Mostafizur Rahman, *University of Rajshahi*
- 224-3    **Syrian Refugees in a Protracted Crisis: Gaps in Education, Livelihoods, and Social Protection**  
Goleen Samari\*, *Columbia University*
- 224-4    **Pride and Prejudice: How the Syrians Affected the Marriage Market in Turkey**  
Aysun Hızıröglü Aygün, *Istanbul Technical University*; Selin Köksal\*, *Bocconi University*; Gökcé Uysal, *Bahçeşehir University*

## **225      Flash: Effects of Pro- and Anti-Immigrant Climates**

*CHAIR: Juan Pedroza, University of California, Santa Cruz*

**1:00 PM-2:15 PM — Open Water**

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- 225-1    **Do Anti-Immigrant Laws Decrease Crime Reporting? A Study of Police Notification Among Latinos/as in the United States**  
Marta Ascherio\*, *University of Texas at Austin*
- 225-2    **Testing the Backlash Argument: Voter Responses to Pro-Immigration Reforms**  
Alexander Kustov\*, *Yale University*
- 225-3    **Unequal Risks Versus Changes in Composition: Patterns and Trends of Deportation From the United States to Mexico, 2005–2018**  
Maria Vignau Loria\*, *University of Washington*
- 225-4    **Endogamous Marriage Among Immigrant Groups: The Impact of Deportations Under Secure Communities**  
Cynthia Bansak\*, Sarah Pearlman
- 225-5    **Immigration Enforcement and Infant Health**  
Catalina Amuedo-Dorantes\*, *University of California, Merced*; Brandyn Churchill, *Vanderbilt University*; Yang Song, *Colgate*
- 225-6    **Immigrants' Civic Engagement in an Era of Restriction**  
Molly Dondero, *American University*; Claire Altman\*, *University of Missouri, Columbia*; Christal Hamilton, *University of Missouri, Columbia*
- 225-7    **Policy Interactions and Infant Health: Evidence From Recent Immigration Reforms**  
Krista Ruffini\*
- 225-8    **Public Opinion on Immigration During the Trump Years**  
Mariano Sana\*, *Vanderbilt University*

## **226      Early-Life Exposures and Health Over the Life Course**

*CHAIR: Kenzie Latham-Mintus, Indiana University-Purdue University Indianapolis*

*DISCUSSANT: Carrie Shandra, State University of New York at Stony Brook*

**1:00 PM-2:15 PM — Open Water**

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- 226-1    **Childhood Exposure to War and Adult Onset of Cardiometabolic Disorders**  
Steven Haas\*, *Penn State University*; Daniel Ramirez
- 226-2    **The Effects of Income Dynamics Across Childhood on Later-Life Health, Cognition, and Mortality**  
Jessie Himmelstein\*, John Warren, *University of Minnesota*; Liying Luo, *Pennsylvania State University*
- 226-3    **Early Childhood Conditions and Later-Life Loneliness in the United States**  
Shiro Furuya\*, *University of Wisconsin-Madison*; Jia Wang, *University of Wisconsin-Madison*

- 226-4     **A Life Course Perspective on BMI and Obesity in Rural America**  
*Shelley Clark\*, McGill University*

## **227     Socioeconomic Status and Mortality in Europe**

*CHAIR: Joseph Lariscy, University of Memphis*  
*DISCUSSANT: Isaac Sasson, Tel Aviv University*

**1:00 PM-2:15 PM — Open Water**

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- 227-1    **Assessing Population Health on the Basis of Healthy Life Expectancy in 16 European Countries: Educational Inequalities and the Impact of the Population Structure**  
*Markus Sauerberg\*, Vienna Institute of Demography, Austrian Academy of Sciences*

- 227-2    **How the Measurement of Income Impacts Health Inequality Research**  
*Jiaxin Shi\*, Max Planck Institute for Demographic Research; Pekka Martikainen, University of Helsinki; Lasse Tarkiainen; Alyson van Raalte, Max Planck Institute for Demographic Research*

- 227-3    **Occupational Disparities in Old-Age Mortality: A Comparison of Trends in Modal and Average Length of Life in Finland, 1971–2017**  
*Viorela Diaconu\*, Max Planck Institute for Demographic Research; Alyson van Raalte, Max Planck Institute for Demographic Research; Pekka Martikainen, University of Helsinki*

- 227-4    **On the Measurement of Healthy Lifespan Inequality**  
*Inaki Permanyer\*, Centre d'Estudis Demografics; Jeroen Spijker, Centre d'Estudis Demografics; Amand Blanes, Centre d'Estudis Demografics*

## **228     Environment, Migration, and Marriage**

*CHAIR: Audrey Dorélien, University of Minnesota*  
*DISCUSSANT: Heather Randell, Pennsylvania State University*  
*DISCUSSANT: Tamara McGavock, Grinnell College*

**1:00 PM-2:15 PM — Open Water**

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- 228-1    **Impacts of Transient and Permanent Environmental Shocks on Internal Migration**  
*Tanvir Pavel, ROSE-HULMAN INSTITUTE OF TECHNOLOGY; Syed Hasan, Massey University; Nafisa Halim, Boston University; Pallab Mozumder\*, Educational Institution*

- 228-2    **The Effects of Climatic Variability on Child Fostering in Sub-Saharan Africa**  
*Sara Ronkvist\*; Brian Thiede, Pennsylvania State University; Emma Barber, Pennsylvania State University*

- 228-3    **Estimating the Causal Relationship Between Extreme Climate Events and Early Female Marriage in Bangladesh**  
*Livia Elisa Ortensi\*, University of Bologna; Francesca Tosi, University of Bologna; Rosella Rettaroli, University of Bologna*

- 228-4    **Climate Variability and the Timing of Marriage in Coastal Bangladesh**  
*Amanda Carrico\*, University of Colorado - Boulder; Katharine Donato, Georgetown University*

## **229     Invited: Measuring Structural Racism**

*CHAIR: Hedwig Lee, Washington University in St. Louis*  
*DISCUSSANT: Lauren Brown, San Diego State University*

**1:00 PM-2:15 PM — Open Water**

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- 229-1    **Structural Racism: Time to Pop the Bucky Ball**  
*Gilbert Gee\*, University of California, Los Angeles*

- 229-2    **Conceptualizing and Measuring Cultural Racism**  
*Courtney Cogburn\*, Columbia University*

- 229-3    **The Importance of Unpacking our Core Concepts in Race and Immigration Research**  
*René Flores\*, University of Chicago*

- 229-4    **Quantifying and Mapping Structural Racism across Societal Domains**  
*Tyson Brown\*, Duke University*

## **230     Invited: Challenges in Evaluation of Census 2020 Data Quality**

230-1    **Panelist**  
Elizabeth Garner\*, Colorado Department of Local Affairs

230-2    **Panelist**  
John Thompson\*, University of Virginia

230-3    **Panelist**  
John Czajka\*, Mathematica Policy Research, Inc

230-4    **Panelist**  
Susan Strate\*, University of Massachusetts Amherst

## **P7      P7 - Gender and Sexuality; and Health and Health Behavior**

- P7-1    **Studying the Social Determinants of the COVID-19 Spread in a Data Vacuum**  
Kate Choi\*, University of Western Ontario; Patrick Denice, University of Western Ontario; Michael Haan, University of Western Ontario; Anna Zajacova, University of Western Ontario
- P7-2    **Spatial Analysis of Cardiovascular Mortality and Associated Factors Around the World**  
Bernardo Queiroz\*, CEDEPLAR; Emerson Baptista, Asian Demographic Research Institute (ADRI)
- P7-3    **Equal Access to Healthcare During a Public Health Emergency: Insights From Family Connects During The COVID-19 Pandemic**  
Anna Rybińska\*, Duke University; Debra Best, Duke University; W. Benjamin Goodman, Duke University; Yu Bai, Duke University; Winona Weindling, Duke University; Kenneth A. Dodge, Duke University
- P7-4    **Forgiveness as a Positive Contributing Factor on the Mental Well-being of Female Congolese Refugees and Asylum Seekers' Postwar Experience**  
Pride Kandemiri\*
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Uriel Lomeli-Carrillo\*, University of Texas at San Antonio
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Mahendra Panda, Utkal University; Kanhu Charan Satapathy\*, Utkal University
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J. Tom Mueller\*, Utah State University; Stephen Gasteyer, Michigan State University
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Ekaterina Baldina\*
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Yingtong Lai\*, Chinese University of Hong Kong; Eric Fong, University of Hong Kong
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Irina Zainullina\*, Minnesota Population Center
- P7-11    **Does the Affordable Care Act Reduce Disparities in Access to Healthcare for the Children of Single Mothers of Color?**  
Yiwan Ye\*, University of California, Davis; Emily Searl, University of California, Davis; Elyssa Fogelman, University of California, Davis
- P7-12    **Education, Financial Losses, and Diseases of Despair**  
Samuel Fishman\*, Duke University
- P7-13    **Revisiting the Immigrant Paradox in Birth Outcomes: Differences in Preterm Birth and Low Birth Weight Across Mother's Nativity Status and Father's Race/Ethnicity Among Infants Born to White, Black, Asian, and Hispanic Mothers**

- P7-14 **Building Community Capacity in Early Childhood Systems Through Collaborative Networks**  
Carly Holman\*; Annie Glover, Tulane University and University of Montana
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Guillaume Marois\*, International Institute for Applied Systems Analysis; Arda Aktas, International Institute for Applied Systems Analysis (IIASA)
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Averi Chakrabarti; Naveen Sunder\*, Bentley University
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Charles Katulamu\*
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Christina Bijou\*, The Ohio State University; Coralia Balasca, The Ohio State University
- P7-22 **Exposure to Intimate Partner Violence and Hypertension Outcomes Among Young Women in South Africa**  
Nicole De Wet- Billings\*, University of the Witwatersrand; Motlatso Godongwana, University of the Witwatersrand
- P7-23 **Female Autonomy, Economic Development, and Suicides Among Women in India**  
Parvati Singh\*, University of California, Irvine; Abhery Das, University of California, Irvine; Jenesca William, Saint Louis University; Tim-Alen Bruckner, University of California, Irvine
- P7-24 **Green Mobility and Obesity Risk: A Longitudinal Analysis in California**  
Samantha Gailey\*, University of California, Irvine; Sara McElroy, University of California San Diego; Tarik Benmarhnia , University of California San Diego; Tim-Alen Bruckner, University of California, Irvine
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Hankyun Jun\*; Emma Aguilera, University of Southern California
- P7-26 **The Demographic Effects of Eliminating Alzheimer's Disease**  
Crystal Yu\*, University of Washington
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Michael Enich\*, Rutgers University; Lenna Nepomnyaschy, Rutgers University
- P7-28 **Time Can Heal? The Timing and Duration of the Left-Behind Experience in Childhood and Longitudinal Health Implications in Contemporary China**  
Xiuqi Yang\*
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Christopher Lowenstein\*, University of California, Berkeley
- P7-30 **Nonemployment Across the Life Course and Mothers' Health in Later Life: Does Partnership History Matter?**  
Constance Beaufils\*, Institut national d'études démographiques
- P7-31 **HIV Status and Antenatal Care Engagement in Rural Southwestern Kenya: A Time-to-Event and Geographical Analysis**  
Emma Banchoff\*, University of Michigan; Julie Ambia, London School of Hygiene and Tropical Medicine; Sammy Khagayi, KEMRI/CDC; Georges Reniers, London School of Hygiene and Tropical Medicine

## The Impact of Migration and Sociodemographic Characteristics on Accuracy of Self-reported HIV Status in South Africa

Rachel Yorlets\*; Mark Lurie, Brown University; Carren Ginsburg, University of the Witwatersrand; Mark Collinson, University of the Witwatersrand; F Xavier Gomez-Olive, University of the Witwatersrand; Michael White, Brown University

- P7-33 **Typologies of How Filipino Smokers Responded to the 2012 Sin Tax Reform Act**  
Kent Jason Cheng\*, Syracuse University; Miguel Antonio Estrada, University of the Philippines Diliman
- P7-34 **Sleep Duration Among Middle Eastern Immigrants in the United States: Analysis From the National Health Interview Survey, 2004–2018**  
Neveen Shafeek Amin\*, University of Arkansas at Little Rock; Connor Sheehan, Arizona State University
- P7-35 **Better Health, Higher Fertility? Health Status as a Determinant of Fertility Intentions Among Migrants in Italy**  
Giammarco Alderotti, University of Florence; Eleonora Trappolini\*, University of Milano-Bicocca
- P7-36 **Individual Factors Associated With Parent-Adolescent Communication on Sexual and Reproductive Health Issues in Urban Slums of Ibadan, Southwest Nigeria**  
Taofeek Aliyu\*; Joshua Aransiola, Obafemi Awolowo University, Ile-Ife, Nigeria
- P7-37 **Unmet Need for Sexual and Reproductive Health Information and Services Among Young African Adults in Kenya, Nigeria, and South Africa**  
Emmanuel Olamijuwon\*, University of Witwatersrand
- P7-38 **Diverging Sex Trends of Disease-Free Life Expectancy at Age 65 Across Spanish Regions**  
Pilar Zueras\*, University of Essex; Elisenda Renteria, Centre d'Estudis Demogràfics
- P7-39 **Risk of Developing Noncommunicable Diseases in Later Life Among the Overweight and Obese Women in India: Insights From a Nationally Representative Longitudinal Study?**  
Debasis Barik\*, National Council of Applied Economic Research; , The Kanakia Foundation
- P7-40 **Role of Government Sponsored Health Insurance Schemes in Improving Healthcare Access and Reducing Household Out-of-Pocket Payment for Inpatient Care**  
Debasis Barik\*, National Council of Applied Economic Research; Santanu Pramanik, National Council of Applied Economic Research; Sonalde Desai, University of Maryland; Dinesh Kumar Tiwari, National Council of Applied Economic Research
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Carlos Beluzo\*, University of Campinas; Natália Arruda, University of Campinas; Luciana Alves, University of Campinas (UNICAMP); Catia Sepetauskas; Tiago Carvalho, Federal Institute of São Paulo
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Véronique Deslauriers\*, Université de Montréal; John Sandberg, George Washington University; Simona Bignami, Université de Montréal
- P7-43 **Rural-Urban Cancer Disparities: The Role of Physician Supply**  
Michael Topping\*, University of Wisconsin; Wesley James, University of Memphis
- P7-44 **Are Partner and Nonpartner Violence Victimizations During Adolescence Connected With Experiences of Minor Sex Trafficking?**  
Hannaheth Franchino-Olsen\*, University of North Carolina at Chapel Hill; Sandra Martin, University of North Carolina at Chapel Hill; Carolyn Halpern, University of North Carolina at Chapel Hill; John Preisser, University of North Carolina at Chapel Hill
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Yi Wang\*
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Mark Lee\*, University of Minnesota; Liying Luo, Pennsylvania State University
- P7-47 **Post-Migration Emotional Well-being Among Black South Africans**  
Tyler Myroniuk\*, University of Missouri; Michael White, Brown University; Sangeetha Madhavan, University of Maryland-College Park
- P7-48 **Disability Status and the Experience of Unintended Pregnancy in 5 Low- and Middle-Income Countries**  
Kerry MacQuarrie\*, The DHS Program (Avenir Health); Julia Fleuret, The DHS Program (ICF)
- P7-49 **The Impact of Prime-Age Adult Death on Household Consumption, Expenditure, and Income in India: Evidence From a Nationally Representative Longitudinal Survey**  
Moradhvaj Moradhvaj\*, Jawaharlal Nehru University; Nandita Saikia, Jawaharlal Nehru University

- P7-50 **The Impact of Conditional Cash Transfers on the Height and Weight of Young Children: Evidence From the Mamata Scheme in Odisha, India**  
*Vedavati Patwardhan\*, University of Washington*
- P7-51 **Increasing Multiple Chronic Conditions (MCC) and Their Associated Predictors Among the Aging Population in Europe: Findings From the Survey of Health, Ageing and Retirement in Europe (SHARE)**  
*Vijay Kumar Mishra\*, Public Health Foundation of India; Surbhi Shrivastava, Emory University*
- P7-52 **Do Trait Psychological Characteristics Moderate Sympathetic Arousal to Racial Discrimination Exposure in a Natural Setting?**  
*Elizabeth Jelsma\*, University of Texas at Austin; Bridget Goosby, University of Texas at Austin; Jacob Cheadle, University of Texas*
- P7-53 **Millennial Generation Versus Generation X: Early Adulthood Differences in Cardiovascular Health**  
*Melissa Martinson\*, University of Washington; Jessica Lapham, University of Washington*
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*Neeru Gupta\*, University Of New Brunswick; Zihao Sheng, Dalhousie University*
- P7-55 **Cardiovascular Disease Prevalence Differentials Over Time: A Decomposition Analysis for India**  
*Ayantika Biswas\*, International Institute for Population Sciences (IIPS)*
- P7-56 **Contextual Analysis of Cardiovascular Disease Risk Factors in India**  
*Ayantika Biswas\*, International Institute for Population Sciences (IIPS)*
- P7-57 **Contributors to Reduced Life Expectancy Among Native Americans in the Four Corner States**  
*Olusola Omisakin\*, Utah State University; Eric Reither, Utah State University; Hyojun Park, Utah State University; Max Roberts*
- P7-58 **Price Anchoring or Positive Learning? The Effect Of Short-Term Subsidies for Potable Water Delivery Using a Randomized Field Experiment in Rural India**  
*Drew Cameron\*, Yale University, School of Public Health*
- P7-59 **Predictors of Migration in an HIV Hyperendemic Rural South African Community: Evidence From a Population-Based Cohort, 2001–2017**  
*Armstrong Dzomba\*, University of the Witwatersrand; Hae-Young Kim, New York University ; Andrew Tomita, University of KwaZulu-Natal; Alain Vandormael, University of Heidelberg ; Kaymarlin Govender, University of KwaZulu-Natal; Frank Tanser , University of Lincoln*
- P7-60 **Multitype Childhood Maltreatment Exposure and Substance Use Development From Adolescence to Young Adulthood: A Gene-Environment Interaction Study**  
*Aura Ankita Mishra\*, University of North Carolina at Chapel Hill; Kristine Marceau; Sharon Christ , Purdue University*
- P7-61 **Spare the Rod and Spoil the Child? The Relationship Between Domestic Corporal Punishment in Childhood and Later-Life Outcomes in China**  
*Xuejie Ding\*, University of Oxford; Muzhi Zhou, University of Oxford*
- P7-62 **Migrant Adolescent Female Head Porter's Experience of Out-of-Pocket Healthcare Payments and Impoverishment in Ghana**  
*Edmund Wedam Kanmiki\*, University of Ghana; Gilbert Abotsem Abiiro, University for Development Studies; Kennedy Alatinga, University for Development Studies*
- P7-63 **Can Progress Toward Universal Health Coverage Explain Country-Level Variation in COVID Cases and Deaths?**  
*Bishnu Thapa\**
- P7-64 **The Effect of Prenatal Exposure to Flood on the Cognitive Impairment of Children**  
*Chao Guo\*, Peking University; Xiaoying Zheng, Peking University*
- P7-65 **Effect of Alcohol Drinking on All-Cause and Cause-Specific Mortality Among U.S. Adults, 2001–2015**  
*Muntasir Masum\*, University of Texas at San Antonio; Jeffrey Howard, University of Texas at San Antonio*
- P7-66 **Early Marriage and Intergenerational Consequences of Female Genital Cutting: Evidence From Egypt**  
*Chon-Kit Ao\*, National Cheng Kung University; Zhan-Mei Lin, Taipei Fubon Commercial Bank Co.; Crystal Wong*
- P7-67 **What If the Living Arrangement Is Not What You Want? The Health Consequences of Living Arrangement Discordance Between Reality and Preference in Later Life: Evidence From China**  
*Dan Chen\*, Chinese University of Hong Kong*
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- P7-69 **The Age Pattern of Diabetes Mortality in the Americas**  
Julia Calazans\*, Cedeplar - Federal University of Minas Gerais; Bernardo Queiroz, CEDEPLAR
- P7-70 **Is Healthy Immigrant a Wealthy Immigrant? Migrant Women's Reproductive Health in Finland, 2007–2017**  
Heini Vaisanen\*, University of Southampton; Hanna Remes, University of Helsinki; Pekka Martikainen, University of Helsinki
- P7-71 **Reverse Migration of Laborers in the Surge of COVID-19 in India: A Bane for the Country**  
Singh Shrikant\*, International Institute for Population Sciences
- P7-72 **The Impact of Primary Care Policy Changes on Hospitalization for Ambulatory Care Sensitive Conditions: Notes From the South**  
Raphael Guimaraes\*, Oswaldo Cruz Foundation and University of Campinas
- P7-73 **Improving Tuberculosis Treatment Success Rate through Improved Nutrition Supplements and Counselling: Findings from a Pilot Intervention in India**  
Ajay Singh\*, IPE Global; Ankita Siddhanta
- P7-74 **Health Services and Access Across Latinx Destinations**  
Elizabeth Ackert\*, University of California, Santa Barbara; Pedro Aristizabal, University of California Santa Barbara; Sung Hee Hong, University of California Santa Barbara; Jessica Martinez, University of California Santa Barbara; Gabriel Van Praag, University of California Santa Barbara; Robert Crosnoe, University of Texas at Austin
- P7-75 **Best Practices for Measuring the Social, Behavioral, and Economic Impact of Epidemics Using Secondary Data**  
James McNally\*, National Archive of Computerized Data on Aging; Kathryn Lavender, National Archive of Computerized Data on Aging; Margaret C. Levenstein, University of Michigan
- P7-76 **Worldwide Dietary Patterns and Their Relationship to Dietary Change Among Immigrants to the United States**  
Rebecca Jones\*, Emory University; Craig Hadley, Emory University; Solveig Cunningham, Emory University
- P7-77 **Explaining Variation in Declining Air Pollution Levels Across Metropolitan Areas**  
Victoria Sass\*, University of Washington; Hannah Lee, University of Washington; Kyle Crowder, University of Washington; Bongki Woo, University of South Carolina; Samantha Teixeira, Boston College
- P7-78 **Declining Self-rated Health for Left-Behind Wives in Rural Mozambique: The Role of Men's Migration Success and Spousal Communication**  
Natalie Jansen\*, Victor Agadjanian, University of California Los Angeles
- P7-79 **More Than Low Birth Weight: A Distributional Decomposition of Racial Disparities in Birth Weight**  
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- P7-80 **Consequences of BMI Guidelines for Mothers and Infants: Structural Discrimination or Beneficial Treatments?**  
Jessica Polos\*, University of Wisconsin-Madison
- P7-81 **Infant and Neonatal Mortality, Birth Size, and Birth Interval: A Structural Equation Modeling Approach**  
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- P7-82 **Composite Index of Anthropometric Failures in India: Evidence From National Family Health Survey**  
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- P7-83 **Gender Differential in Healthcare Expenditure in India: Evidence From National Sample Surveys 2004, 2014, and 2017–2018**  
Sumedha Sumedha\*
- P7-84 **United States Examination of the Health and Well-being of Young Adults on Community of Supervision**  
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- P7-85 **Relationship Between Early-Adolescent Contest, Experiences of Discrimination, and Cardiovascular Risk in Young Adulthood**  
Linnea Evans\*, Yixuan Cheng, UW-Madison
- P7-86 **The Contribution of Varying Female Community Autonomy Levels to Child Nutritional Status**  
Marco Antonio Faytong Haro\*, The Pennsylvania State University

- P7-87 **Intimate Partner Violence (IPV) Prevention Using a Cross-Sectoral Couple-Based Intervention**  
Neetu John, Columbia University Mailman School of Public Health; Ayodeji Adebayo\*, University of Ibadan ; Meroji Sebany, International Center for Research on Women; Funmi Olaolorun, University of Ibadan
- P7-88 **Examining Smoking and Alcohol Consumption Among Asian American Subgroups: Do Gender, Socioeconomic Status, and Acculturation Matter?**  
Hari Poudel\*, University of Missouri, Columbia; Mansoo Yu, University of Missouri
- P7-89 **Levels and Trends in the Sex Ratio at Birth and Missing Female Births for Pakistan Provinces and Estimation of Provincial Imbalances**  
Fengqing Chao, King Abdullah University of Science and Technology; Muhammad Wazir\*, UNFPA; Hernando Ombao, King Abdullah University of Science and Technology
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- P7-91 **World Culture on the Ground: The Varied Effects of the 16 Days of Activism Against Gender Violence in Malawi**  
Jeffrey Swindle\*, University of Michigan
- P7-92 **Eritrean Refugees and Family Fragmentation Across the Euro-African Mediterranean**  
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- P7-93 **The Effects of Fraternal Gender and Birth Order on the Formation of Same-Sex Couples: Evidence From Population-Level Administrative Data**  
Jan Kabatek\*; Francisco Perales, The University of Queensland; Christine Ablaiza, The University of Queensland
- P7-94 **Son Bias and HIV**  
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- P7-95 **Gender Aspects of the Tobacco Epidemic in Russia**  
Irina Kalabikhina\*, Lomonosov Moscow State University; Polina Kuznetsova, The Russian Presidential Academy of National Economy and Public Administration (RANEPA)
- P7-96 **A Multilevel Test of the Pathways Between Housing Instability and Intimate Partner Violence: The Protective Mediating Role of Perceived Social Support**  
Patricia Lewis\*; Kathryn Yount, Emory University; Weihua An, Emory University ; Janeria Easley, Emory University
- P7-97 **PrEPare for Trouble: Risk Compensation and the Unintended Consequences of PrEP**  
Luis Faundez\*, University of Illinois at Chicago
- P7-98 **Determinants and Consequences of Domestic Violence in the Global South**  
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- P7-99 **Social Inclusion Among Women With Mobility Limitations in the Global South**  
Shane Burns\*, University of Alabama at Birmingham
- P7-100 **Intersectional Stigma and Mental Health Among Transgender Women Sex Workers Living With HIV in the Dominican Republic**  
Tamar Goldenberg\*, University of North Carolina at Chapel Hill; Clare Barrington, University of North Carolina at Chapel Hill; Deanna Kerrigan, George Washington University; Yeycy Donastorg, Instituto Dermotologico y Cirugia de Piel; Martha Perez, Instituto Dermotologico y Cirugia de Piel; Hoisex Gomez, Instituto Dermotologico y Cirugia de Piel
- P7-101 **Gender Relations and the Uptake of Contraceptive and Antenatal Care Services in Sub-Saharan Africa**  
Yemi Adewoyin\*, University of Nigeria; Clifford Odimegwu, University of Witwatersrand
- P7-102 **COVID-19 Lockdown, Women's Empowerment, and Intimate Partner Violence: Experiences of Female Domestic Workers (FDWs) in the Metropolis of Karachi, Pakistan**  
BHAVITA KUMARI\*, Tulane University; Mai Do, Tulane University School of Public Health
- P7-103 **LGBT Population in Brazil, Their Vulnerabilities, and Impacts of COVID-19**  
Samuel Silva\*, Cedeplar UFMG; Fernanda Fortes De Lena, University of Campinas
- P7-104 **When Women Eat Last: Discrimination at Home and Women's Mental Health**  
Payal Hathi, UC Berkeley; Diane Coffey, Population Research Center; Amit Thorat, NCAER; Nazar Khalid\*, University of Pennsylvania
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**"We're the Experts on Our Own Bodies": How Women Choose Between Physicians and Midwives for Prenatal and Birth Care**

Anna Church\*, *The Ohio State University*

- P7-106 **Measuring Women's Control Over Income and Decision-making: A Comparison of Nationally Representative Surveys**

Jessica Heckert\*, *International Food Policy Research Institute*; Mai Mahmoud, *Tufts University*; Kalyani Raghunathan, *International Food Policy Research Institute*; Greg Seymour

- P7-107 **Marital Rape in India: A Noncriminal Crime**

Atreyee Sinha\*, *International Institute for Population Sciences*

- P7-108 **The Association Between Union Status and Intimate Partner Violence Victimization: Gender and Age Variation in a Novel Dataset**

Mick Cunningham\*, *Western Washington University*; Julia Morris, *Western Washington University*; Kristin Anderson, *Western Washington University*

- P7-109 **Timing, Heterogeneity in Educational Pathways, and Implications for Physical Health Among U.S. Adults at Midlife**

Katrina Walsmann, *University of Maryland, College Park and the Maryland Population Research Center*; Stephanie Urena\*, *Florida State University*; Jennifer Mandelbaum, *University of South Carolina*

**231 Social and Behavioral Determinants of Cognitive Aging Across the Life Course**

CHAIR: Yoonyoung Choi, *The Ohio State University*

DISCUSSANT: Miles Taylor, *Florida State University*

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- 231-1 **Race, Color, and Cognitive Aging of Puerto Ricans on the Archipelago**

Mao-Mei Liu\*, *University of California, Berkeley*

- 231-2 **Marital Loss and Cognitive Health: Does Timing Matter?**

Zhenmei Zhang\*, *Michigan State University*; Hui Liu, *Michigan State University*; Yan Zhang, *Michigan State University*

- 231-3 **Inequality of Educational Opportunity at Time of Schooling Predicts Cognitive Functioning in Later Adulthood**

Anja Leist\*, Eyal Bar-Haim, *Ben-Gurion University of the Negev*; Louis Chauvel, *University of Luxembourg*

- 231-4 **The Time Path of Weight Status Before and After Incident Dementia**

Yuan Zhang\*, *University of North Carolina at Chapel Hill*; Virginia Chang, *New York University*

**232 The Returns to Education in Young Adulthood**

CHAIR: Carrie Shandra, *State University of New York at Stony Brook*

DISCUSSANT: Jennie Brand, *University of California, Los Angeles*

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- 232-1 **Who Benefits Most From "Some College"? College Dropout and Economic Returns in Young Adulthood**

Christina Ciocca Eller\*, *Harvard University*; Natasha Quadlin, *University of California, Los Angeles*; Ohjae Gowen

- 232-2 **Wage Inequality Among Vocational Secondary Graduates in Formal and Informal Urban Areas of Egypt**

May Gadalla, *Cairo University*; Rania Roushdy\*, *The American University in Cairo*

- 232-3 **Sub-Baccalaureate Credentials and Economic Inequality in Young Adulthood**

Alec Rhodes\*, *The Ohio State University*

- 232-4 **College Characteristics and Assortative Mating Patterns Among First-Generation College Graduates**

Michael King\*, *U.S. Census Bureau*

**233 COVID-19: Risk factors and mortality**

CHAIR: Jennifer Dowd, *University of Oxford*

DISCUSSANT: José Manuel Aburto, *University of Southern Denmark*

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- 233-1 **Assessing the Impact of the COVID-19 Pandemic on U.S. Mortality: A County-Level Analysis**

*Andrew Stokes\*, Boston University; Dielle Lundberg, Boston University; Katherine Hempstead, Robert Wood Johnson Foundation; Irma Elo, University of Pennsylvania; Samuel Preston, University of Pennsylvania*

**233-2 Patterns, Demographic Profile and Risk Factors of COVID-19 Severe Outcomes Across 17 European Countries**

*Simona Bignami\*, Université de Montréal; Daniela Ghio, Joint Research Centre European Commission; Nikolaos Stilianakis, Joint Research Centre European Commission; Ari Van Assche, HEC Montréal*

**233-3 Commuting Network Spillovers and COVID-19 Deaths Across U.S. Counties**

*Christopher Seto\*, Aria Khademi, The Pennsylvania State University; Corina Graif, The Pennsylvania State University; Vasant Honavar, The Pennsylvania State University*

**233-4 Using Causes of Death to Understand the Pathways of COVID-19-Related Excess Mortality and Their Unequal Burden by Race**

*Elizabeth Wrigley-Field\*, University of Minnesota, Twin Cities; Sarah Garcia, University of Minnesota; J.P. Leider, University of Minnesota; Magali Barbieri, Institut National d'Études Démographiques (INED); Rebecca Wurtz, University of Minnesota*

**234 Simulation and Machine Learning in Demography**

*CHAIR: Elizabeth Bruch, University of Michigan*

*DISCUSSANT: Filiz Garip, Cornell University*

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**234-1 American Despair? A Machine Learning Approach to Predicting Self-destructive Behaviors**

*Lauren Gaydosh\*, Vanderbilt University; Charreau Bell, Vanderbilt University; Benjamin Lane, Vanderbilt University; Ali Yaqoob, Vanderbilt University; Katrina Tsun, Vanderbilt University; Rachel Fan, Vanderbilt University; Marina Yue, Marina Yue; Kathleen Mullan Harris, University of North Carolina at Chapel Hill; William Copeland, University of Vermont; Lilly Shanahan, University of Zurich; Sherika Hill, University of North Carolina; Jennifer Godwin, Duke University*

**234-2 Supervised Machine Learning and Population Register Data in Studying Predictors for Long-Term Unemployment in Early Adulthood**

*Sanni Kuikka\*, Stockholm University*

**234-3 Using Machine Learning to Predict Nonresponse and to Mitigate Nonresponse Bias**

*Jasper Cooper, University of California San Diego and GSA Office of Evaluation Sciences; Michael DiDomenico, GSA Office of Evaluation Sciences; Rebecca Johnson\*, Dartmouth College*

**234-4 Prediction of Unwanted Pregnancy in India: A Machine Learning Approach**

*Prashant Verma\*, Banaras Hindu University; Kaushalendra Kumar Singh, Banaras Hindu University; Mukti Khetan, Indian Institute of Technology Bombay*

**235 Immigrant Educational and Economic Outcomes**

*CHAIR: Pia Orrenius, Federal Reserve Bank of Dallas*

*DISCUSSANT: Marianne Bitler, University of California, Davis*

*DISCUSSANT: Carla Pederzini, Universidad Iberoamericana*

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**235-1 Earnings Assimilation of Second and Later Generation Men: Evidence From Administrative Records**

*Andres Villarreal\*, University of California, Los Angeles; Christopher Tamborini, U.S. Social Security Administration*

**235-2 Why Does Ethnic Segregation at Work Decline Across Immigrant Generations? Evidence From Norwegian Linked Employer-Employee Data**

*Mats Lillehagen\*, Are Skeie Hermansen, University of Oslo*

**235-3 Skills, Immigration, and New Inequality in the United States, 1994–2019**

*Allison Dunatchik, University of Pennsylvania; Rebecca Schut\*, University of Pennsylvania; Xi Song, University of Pennsylvania*

**235-4 A “Win-Win Exercise”? Eastern European Children in Western Europe**

*Nathan Hoffmann\*, University of California, Los Angeles*

**236 Economic Consequences of Caregiving**

*CHAIR: Kamila Kolpashnikova, University of Oxford*

*DISCUSSANT: Stephanie Rennane, RAND*

**DISCUSSANT:** Stephanie Rennane, RAND

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- 236-1 **The Wage Gap Between Informal Caregivers and Non-Caregivers From a Life Course Perspective**  
Klara Raiber\*, Mark Visser, Radboud University; Ellen Verbakel, Radboud University; Martin van Hees, VU Amsterdam
- 236-2 **Juggling Paid Work and Elderly Care Provision in Japan: Does a Flexible Work Environment Help Family Caregivers Cope?**  
Yoko Niimi\*, Doshisha University
- 236-3 **Economic Effects of Long-Term Care Insurance: Evidence From Korean Panel Data**  
Hoolda Kim\*, Black Hills State University; Sophie Mitra
- 236-4 **Workers Who Care: Unpaid Care for Parents and the Well-being of Older, Working-Age Men and Women Across Europe**  
Elisa Labbas\*, Lund University; Maria Stanfors, Lund University

## **237 Immigrant, Refugee, and Transnational Families**

**CHAIR:** Asad Asad, Stanford University

**DISCUSSANT:** Mao-Mei Liu, University of California, Berkeley

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- 237-1 **Household Earnings and Extension: Examining the Roles of Ethnicity and Nativity Statuses Among the Six Major Asian Groups**  
Veena Kulkarni\*, Arkansas State University
- 237-2 **Transnational Marriages in the United States: A Test of Competing Explanations**  
Inbar Weiss\*, University of Texas at Austin
- 237-3 **The Violence of Asylum: The Case of Undocumented Chinese Migration to the United States**  
Amy Hsin\*, Queens College, City University of New York; Sofya Aptekar, CUNY
- 237-4 **Explaining the Increase of Migration From the United States to Mexico Using New Data Sources: Binational Citizens in the Face of Immigration Enforcement**  
Victor Garcia-Guerrero, El Colegio de Mexico; Claudia Masferrer\*, Centro de Estudios Demográficos, Urbanos y Ambientales, El Colegio de México

## **238 Contraceptive Behaviors in Low- and Middle-Income Countries**

**CHAIR:** Katherine Tumlinson, University of North Carolina at Chapel Hill

**DISCUSSANT:** Sarah Bradley, Abt Associates

**2:30 PM-3:45 PM — Open Water**

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- 238-1 **Contraceptive Use, Method Mix, and Method Availability: A Multilevel Analysis**  
Lindsay Mallick\*, University of Maryland; Shireen Assaf, ICF international (The DHS Program); Michelle Weinberger, Avenir Health; Gbaise Ajayi, ICF (The DHS Program)
- 238-2 **Let's Talk About Sex: Improving Measurement of Contraceptive Use by Accounting for Sexual Activity**  
Suzanne Bell\*, Johns Hopkins Bloomberg School of Public Health; Elizabeth Larson, Performance Monitoring for Accountability (PMA), Johns Hopkins Bloomberg School of Public Health; Shannon Wood, Johns Hopkins Bloomberg School of Public Health; Georges Guiella, University of Montreal; Peter Gichangi, International Centre for Reproductive Health Kenya; Elizabeth Omoluabi, CRERD; Funmilola OlaOlorun, University of Ibadan, Ibadan, Nigeria
- 238-3 **Interpreting the Contribution of Improvements in Wealth Status to Rising Global Contraceptive Prevalence**  
Win Brown, Bill and Melinda Gates Foundation; Priya Emmart, Avenir Health; Shiza Farid\*, Avenir Health; William Winfrey , Avenir Health
- 238-4 **Contraceptive Use and Method Mix Dynamics in Sub-Saharan Africa**  
Ayaga Bawah\*, University of Ghana; Pearl Kyei , University of Ghana ; Charles Asabere , University of Ghana

## **239 Fertility Changes in Less-Developed Countries**

**CHAIR:** David Sanchez Paez, Université catholique de Louvain

**DISCUSSANT:** Kathleen Beegle, World Bank

**2:30 PM-3:45 PM — Open Water**

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- 239-1 **Savings and the Demographic Dividend: Evidence From a Macrosimulation Model**  
Joshua Wilde\*, Max Planck Institute for Demographic Research; Mahesh Karra, Frederick S. Pardee School of Global Studies, Boston University
- 239-2 **Fertility Postponement in the Context of Weather Uncertainty: The Impact of Cyclone Idai on Reproductive Decision-making in Rural Malawi**  
Monica Grant\*, University of Wisconsin–Madison; Katherine Curtis, University of Wisconsin–Madison
- 239-3 **Estimating Desired Family Size With Demographic Survey Data: A Synthetic Cohort Approach**  
Jason Thomas\*, The Ohio State University; John Casterline, The Ohio State University
- 239-4 **Rural-Urban Fertility Convergence, Differential Stopping Behavior, and Contraceptive Method Mix in West Bengal, India: A Spatiotemporal Analysis**  
Kakoli Das\*, Institute of Development Studies Kolkata; Saswata Ghosh, IDSK - INDIA

## **240 Sex Preference**

*CHAIR:* Batool Zaidi, Western Washington University  
*DISCUSSANT:* Batool Zaidi, Western Washington University

**2:30 PM-3:45 PM — Open Water**

- 240-1 **“It’s Not a Girl, It’s Not a Boy... It’s a Baby”: Is There a Growing Preference of Children of Any Gender Among Young Urban Women in India?**  
Isha Bhatnagar\*, Cornell University
- 240-2 **“Not a Bowl of Rice, but Tender Loving Care”: From Aborting Girls to Preferring Daughters in South Korea**  
Monica Das Gupta\*, University of Maryland; Heeran Chun, Jungwon University
- 240-3 **Economic Privatization and Son Preference in Post-Reform China**  
Fangqi Wen\*, University of Oxford; Hanzhi Hu
- 240-4 **Explaining Diffusion of Son Preference Across Social Groups Through the Lens of Social Networks: A Household-Level Analysis of India**  
Ritwika Mukherjee\*, Jawaharlal Nehru University; Ritwika Mukherjee\*, Jawaharlal Nehru University

## **241 Gender, Sexuality, and Health**

*CHAIR:* Daniela Negraia, University of Oxford  
*DISCUSSANT:* Jennifer Caputo, University of Chicago

**2:30 PM-3:45 PM — Open Water**

- 241-1 **Male Out-Migration and the Health of Left-Behind Wives in India: The Roles of Responsibility and Autonomy**  
Lei Lei\*, Rutgers University; Sonalde Desai, University of Maryland
- 241-2 **Sexual Obligation and Perceived Stress: A National Longitudinal Study of Older Adults**  
Shannon Shen\*, Texas A&M University-San Antonio; Hui Liu, Michigan State University
- 241-3 **Sexual Orientation and Suicidal Ideation: A Demographic Portrait**  
Caleb Cooley\*, Washington State University; Justin Denney, Washington State University; Zhe Zhang, Rice University
- 241-4 **Changes in Happy Life Expectancy Among Russian Adults: Results From 1994–2014**  
Yuka Minagawa\*, Sophia University

## **242 Immigration, Health, and Social Context**

*CHAIR:* Ravaris Moore, University of California -Los Angeles  
*DISCUSSANT:* Joseph Lariscy, University of Memphis

**2:30 PM-3:45 PM — Open Water**

- 242-1 **The Overlooked Effects of Mass Incarceration on Immigrant Health**  
Rachel Zajdel\*
- 242-2 **A Healthy Undocumented Migrant Effect? Quantitative Evidence on Health Outcomes of the Undocumented U.S. Population Using Machine Learning**  
Simon Ruhnke\*

**242-3 Citizenship Status, Prevalence, and Diagnosed and Undiagnosed Cardiovascular Health Outcomes Among Adults in the United States**

*Kazumi Tsuchiya\*, University of Minnesota, Minnesota Population Center; Ryan Demmer, University of Minnesota, School of Public Health*

**242-4 State-Level Immigrant Policy Climates and Healthcare Utilization Among U.S. Children of Immigrants**

*Molly Dondero\*, American University; Claire Altman, University of Missouri, Columbia*

**243 Social and Spatial Disparities in Past Epidemics**

*CHAIR: Susan Leonard, University of Michigan*

*DISCUSSANT: Dylan Connor, Arizona State University*

**2:30 PM-3:45 PM — Open Water**

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**243-1 Unpacking Variations in Mortality During the Spanish Influenza Pandemic: Examining Swedish Full-Population Data, 1910–1920**

*Jonas Helgertz\*, University of Minnesota/Lund University; Martin Dribe, Lund University; Tommy Bengtsson, Lund University*

**243-2 COVID-19 and Major Influenza Pandemics Since the 1950s: Evidence From Mortality and Life Expectancy Evolution in Italian Provinces**

*Benedetta Scotti\*, Bocconi University; Simone Ghislandi, Bocconi University*

**243-3 Why Pandemics Rhyme: The Spatial Distribution of Mortality During the 1918 Influenza and COVID-19**

*Sander Wagner, École Nationale de la Statistique et de l'Administration Économique; Felix Tropf\*, University of Oxford; Tobias Rüttenauer, University of Oxford; Jennifer Dowd, University of Oxford*

**243-4 Racial Disparities in Mortality From the 1918 Flu in the United States**

*Martin Eiermann\*, Elizabeth Wrigley-Field, University of Minnesota, Twin Cities; Christopher Muller, James Feigenbaum, Boston University; Jonas Helgertz, University of Minnesota/Lund University; Jonathan Zelner, University of Michigan*

**244 Immigrant Health, Education, and Well-being**

*CHAIR: Isabel Anadon,*

*DISCUSSANT: Joaquin Rubalcaba,*

*DISCUSSANT: Christina Diaz, University of Arizona*

**2:30 PM-3:45 PM — Open Water**

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**244-1 At the Intersection of Adverse Life Course Pathways: The Effects on Health by Migration Status**

*Silvia Loi\*, Max Planck Institute for Demographic Research; Peng Li, Max Planck Institute for Demographic Research; Mikko Myrskyla, Max Planck Institute for Demographic Research*

**244-2 Psychological Distress in Middle Eastern Immigrants to the United States: A Challenge to the Healthy Migrant Model?**

*Elif Bulut\*, Florida State University; Karin Brewster, Florida State University*

**244-3 On the Basis of Visa Type: The Association of Visa Type and Health Among Immigrants in the United States**

*Alicia Dunajcik\*; Solveig Cunningham, Emory University*

**244-4 Quantifying Accessibility to Healthcare and Legal Services for Immigrants in California, Arizona, and Nevada**

*Ethan Roubenoff\*, University of California, Berkeley; Jasmijn Slootjes, University of California, Berkeley; Irene Bloemraad, University of California, Berkeley*

**245 Socioeconomic Inequalities in Health and Mortality**

*CHAIR: Benjamin Walker, Mississippi State University*

*DISCUSSANT: Margaret Ralston, Mississippi State University*

**2:30 PM-3:45 PM — Open Water**

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**245-1 Unpacking Educational Gradients in Mortality**

*Maria Romo-Gonzalez, University of California, Berkeley; Jordan Weiss\*, University of California, Berkeley*

**245-2 Education, Wealth, and Duration of Life Expected in Various States of Frailty**

*Zachary Zimmer\*, Mount Saint Vincent University; Yasuhiko Saito, Nihon University; Olga Theou, Dalhousie University; Clove Haviva, Dalhousie University; Kenneth Rockwood, Dalhousie University*

**245-3**

## **Age-Period-Cohort Analyses of Activity Limitation Caused by Chronic Conditions (ALCC) in the United States, 1997–2018**

*Hangqing Ruan\*, University of Maryland*

- 245-4    **Unconditional Quantile Regression and Educational Disparities in Biomarkers of Health Risk**  
Meghan Zacher\*, Brown University

## **246 Environment and Population Behaviors**

*CHAIR: Audrey Dorélien, University of Minnesota*

*DISCUSSANT: Amanda Carrico, University of Colorado - Boulder*

*DISCUSSANT: Brianna Castro, Harvard University*

**2:30 PM-3:45 PM — Open Water**

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- 246-1    **Extreme Weather Events Impact Risk Tolerance and Patience**  
Paula Jaramillo, Colby College; Daniel LaFave\*, Colby College; Lindsey Novak, Colby College
- 246-2    **Extreme Weather Events and Environmental Attitudes and Behavior: A Large-Scale Longitudinal Approach in the United Kingdom**  
Tobias Rüttenauer\*, University of Oxford
- 246-3    **Voting for Tomorrow: Climate Change, Environmental Concerns, and Green Voting**  
Roman Hoffmann\*, Wittgenstein Centre for Demography and Global Human Capital; Raya Muttarak, International Institute for Applied Systems Analysis; Jonas Peisker, Vienna Institute of Demography, Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/ÖAW, University of Vienna); Piero Stanig, Bocconi University
- 246-4    **Environmental Concern and Childbearing Plans Among U.S. Adolescents**  
Caroline Hartnett\*, University of South Carolina; Alison Gemmill, Johns Hopkins Bloomberg School of Public Health; Heather Rackin, Louisiana State University
- 247 Invited: Understanding the Well-being of LGBTGI+ Populations: Findings From a New National Academies of Science, Engineering, and Medicine Report**

*CHAIR: Debra Umberson, University of Texas at Austin*

*DISCUSSANT: Charlotte Patterson, University of Virginia*

**2:30 PM-3:45 PM — Open Water**

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- 247-1    **Panelist**  
Lee Badgett\*, University of Massachusetts Amherst
- 247-2    **Panelist**  
Stephen Russell\*, University of Texas at Austin
- 247-3    **Panelist**  
Sari Reisner\*, Harvard University
- 247-4    **Panelist**  
Gary Gates\*, Retired
- XX-X      **Panelist**  
Kellan Baker\*, Johns Hopkins University
- XX-X      **Panelist**  
Jordyn White\*, The National Academies of Sciences, Engineering, and Medicine

# Presidential Address & Awards Ceremony

Friday, May 7, 4 – 5:30 PM

Presider:  
Sara Curran  
University of Washington



Introduction of President:  
Mark Hayward  
University of Texas at Austin

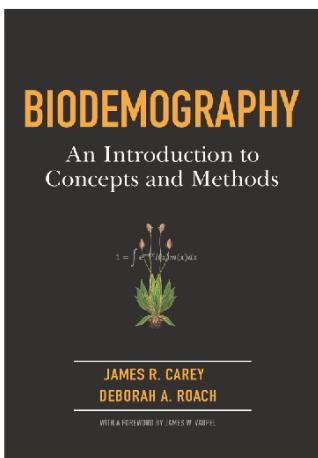


Presidential Address:  
Eileen Crimmins  
University of Southern California



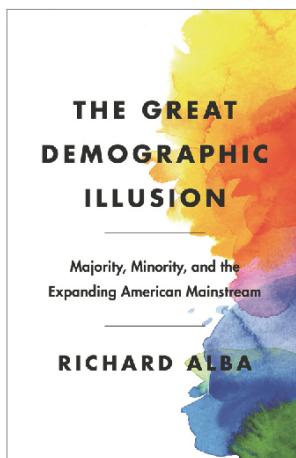
**"Life Expectancy and Health Expectancy in the 21st Century:  
The Unthinkable, the Inconceivable, and the Unknowable"**

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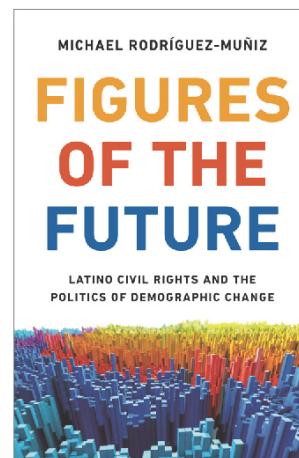


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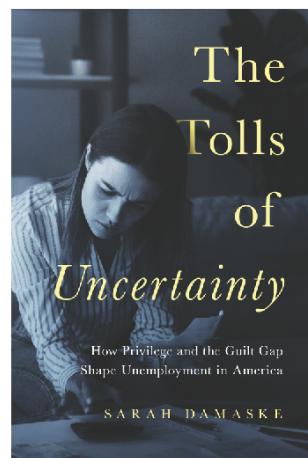


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# MEETING SATURDAY PROGRAM

SATURDAY, MAY 8

## 248 Employment Histories, Family, and Health

CHAIR: Michal Engelman, University of Wisconsin–Madison

DISCUSSANT: Katie Jajtner, University of Wisconsin–Madison

9:15 AM-10:30 AM — Open Water

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### 248-1 Unplanned Costs and Benefits: Spousal Spillover Effects of Retirement on Health

Lauren Newmyer\*, Pennsylvania State University; Juliana Levchenko; Kendal Lowrey, The Pennsylvania State University

### 248-2 Gendered Employment-Family Trajectories and Multidimensional Well-being: Evidence From France

Constance Beaufils\*, Institut national d'études démographiques; Anna Barbuscia, INED; Emmanuelle Cambois, INED

### 248-3 Retirement Type and Cognitive Functioning in Japan

Masaaki Mizuochi\*, Nanzan University; James M Raymo, Princeton University

### 248-4 The Effect of Job Loss on Mortality Over Two Decades: An Examination of State-Owned Enterprise Workers in Urban China, 1989–2015

Qian Song\*, University of Massachusetts Boston; Emily Lim, University of Massachusetts Boston

## 249 The Timing and Sequencing of Events in the Transition to Adulthood

CHAIR: Jessica Hardie, Hunter College, CUNY

DISCUSSANT: Yuying Tong, Chinese University of Hong Kong

9:15 AM-10:30 AM — Open Water

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### 249-1 Migration in the Context of Life Course Events and Roles in Young Adulthood

Jonathan Horowitz\*, University of Toronto; Barbara Entwistle, University of North Carolina at Chapel Hill

### 249-2 Increasing Disparities in the Timing of Transition to Adulthood in Low- and Middle-Income Countries (LMICs)

Ewa Batyra\*, University of Pennsylvania; Hans-Peter Kohler, University of Pennsylvania

### 249-3 A Rise in Young Singlehood? Trends in Single Living After Leaving Home in Europe

Lonneke Berg\*; Ellen Verbakel, Radboud University Nijmegen

### 249-4 Nonstandard Employment and Young Adults' Leaving and Returning to the Parental Home in the United States

Lei Lei, Rutgers University; Quan Mai\*

## 250 International Comparisons and the COVID-19 Pandemic

CHAIR: Cassio Turra, CEDEPLAR

DISCUSSANT: Iliana Kohler, University of Pennsylvania–Population Studies Center

9:15 AM-10:30 AM — Open Water

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### 250-1 COVerAGE-DB: A Database of Age-Structured COVID-19 Cases and Deaths

Timothy Riffe, Max Planck Institute for Demographic Research; Enrique Acosta\*, Max Planck Institute for Demographic Research; The COVerAGE-DB team, Various

### 250-2 International Differences in COVID-19 Mortality: Some Reflections on Diversity in Data Collection Systems

Jenny Garcia\*, Institut National d'Études Démographiques (INED); Catalina Torres, Institute For Demographic Studies (INED); Magali Barbieri, Institut National d'Études Démographiques (INED); Emmanuelle Cambois, INED; Carlo Camarda, Institut National d'Études Démographiques (INED); Arianna Caporali, Institut National d'Études Démographiques (INED); France Mesle, Institut national d'études démographiques (INED); Svitlana Poniakina, Institut National D'etudes Demographiques; Jean-Marie Robine, INSERM / U1198

### 250-3 Behaviors and Attitudes in Response to the COVID-19 Pandemic: Insights From a Cross-National Facebook Survey

Daniela Perrotta\*; Andre Grow, Max Planck Institute for Demographic Research; Francesco Rampazzo, Centre for Population Change, University of Southampton; Jorge Cimentada, Max Planck Institute for Demographic Research; Emanuele Del Fava, Max Planck Institute for Demographic Research;

- 250-4 **Inter-Country Variations in COVID-19 Incidence From a Social-Science Perspective**  
Uzi Rebhun\*, Hebrew University of Jerusalem

## 251 Flash: Advances in Visualization of Demographic Data

CHAIR: Ilya Kashnitsky, University of Southern Denmark

9:15 AM-10:30 AM — Open Water

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- 251-1 **An Interactive State Profile of Same-Sex and Opposite-Sex Married and Unmarried Couples**  
Zachary Scherer\*, U.S. Census Bureau; Lydia Anderson, U.S. Census Bureau
- 251-2 **Data Visualization for Epidemiological and Demographic Data for Malaria Surveillance in the Brazilian Amazon, 2007–2019**  
Carlos Beluzo\*, University of Campinas; Natália Arruda, University of Campinas; Vinícius de Souza Maia, University of Campinas (UNICAMP); Luciana Alves, University of Campinas (UNICAMP)
- 251-3 **Smooth Quantile Visualizations Enhance Understanding of Bivariate Population Distributions**  
Robin Lee\*, Princeton University; Ian Lundberg, Princeton University; Brandon Stewart, Princeton University
- 251-4 **Women's Earnings by State: The Geography of the Gender-Based Wage Gap in the United States**  
Megan Wisniewski\*, U.S. Census Bureau; Lynda Laughlin, U.S. Census Bureau
- 251-5 **Patterns of Mortality Improvement Over Age and Time for 201 Countries**  
Kirill Andreev\*, United Nations

## 252 Intergenerational Transmission of Poverty and Human Capital

CHAIR: Jacob Faber, New York University (NYU)

DISCUSSANT: Fenaba Addo, University of North Carolina at Chapel Hill

DISCUSSANT: Daniel Schneider, University of California, Berkeley

9:15 AM-10:30 AM — Open Water

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- 252-1 **Deciphering the Structure of Systemic Racism? Racial Differences in the Intergenerational Association of Intragenerational Income Mobility**  
Alexander Adames\*, Arthur Sakamoto, Texas A&M University; Xi Song, University of Pennsylvania
- 252-2 **Historical Mechanisms Connecting Home Values Over Three Generations to Contemporary Black-White Disparities in Wealth and Health**  
Nick Graetz\*, University of Pennsylvania
- 252-3 **Revisiting Trends in the Intergenerational Transmission of Economic Status and Family Structure**  
Michael King\*, U.S. Census Bureau
- 252-4 **Entwined Embedded Events: The Effect of Parental Incarceration Timing on Children's Academic Achievement**  
Matthew Fox\*, University of California, Los Angeles; Ravaris Moore, University of California -Los Angeles; Xi Song, University of Pennsylvania

## 253 Cultural and Structural Forces Shaping Family Life

CHAIR: Pilar Gonçalons Pons, University of Pennsylvania

DISCUSSANT: Jennifer Hook, University of Southern California

9:15 AM-10:30 AM — Open Water

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- 253-1 **Gender Ideology in Europe: Plotting Normative Types in a Multidimensional Space**  
Maike Van Damme\*, University of Cologne; Dimitris Pavlopoulos, VU Amsterdam
- 253-2 **Mass Education and Women's Autonomy: Evidence From Latin America**  
Daniela Urbina\*, Princeton University
- 253-3 **A Chinese Second Demographic Transition? A Holistic Approach to Family Life Courses**  
Zachary Van Winkle\*, University of Oxford; Fangqi Wen, University of Oxford
- 253-4 **Economic Development, Women's Education, and Their Fertility – A Study Across and Within European Countries**

**Jessica Nisén\***, Max Planck Institute for Demographic Research; **Sebastian Kluesener**, Federal Institute for Population Research; **Johan Dahlberg**, Stockholm University; **Lars Dommermuth**, Statistics Norway; **Aiva Jasilioniene**, Max Planck Institute for Demographic Research; **Michaela Kreyenfeld**, Hertie School of Governance GmbH; **Trude Lappérgard**, University of Oslo; **Peng Li**, Max Planck Institute for Demographic Research; **Pekka Martikainen**, University of Helsinki; **Karel Neels**, Antwerp University; **Bernhard Riederer**, Wittgenstein Centre (IIASA, VID/ÖAW, WU), Vienna Institute of Demography/ Austrian Academy of Sciences; **Saskia te Riele**, Statistics Netherlands; **Harun Sulak**, Federal Institute for Population Research; **Laura Szabó**, Hungarian Demographic Research Institute; **Alessandra Trimarchi**, Department of Sociology, University of Vienna; **Francisco Viciana**, Institute of Statistics and Cartography of Andalusia; **Mikko Myrskyla**, Max Planck Institute for Demographic Research

## 254 Kinship Beyond the Household

**CHAIR:** Cassandra Cotton, Arizona State University

**DISCUSSANT:** Sangeetha Madhavan, University of Maryland-College Park

**9:15 AM-10:30 AM — Open Water**

- 254-1 **Links Lost: A Life Course Perspective of Kin Death in a High-Mortality Context in Rural Malawi**  
Emily Smith-Greenaway\*, University of Southern California; Eric Lungu, Partner's in Health

- 254-2 **What Constitutes a Family? An Investigation of Who Attends Family Events in Post-Divorce Families**  
Christian Fang\*, Anne-Rigt Poortman, Utrecht University; Tanja van der Lippe

- 254-3 **The Relationship Between Extended Kin Resources and Children's Healthcare Utilization: An Analysis of Family Concession Networks in Rural Mali**  
Emily Treleaven\*, University of Michigan

- 254-4 **Mother's Receipt of Kin Support From In-Laws: The Role of Relationship Status and Father's Involvement**  
Ellen Whitehead\*, Ball State University; Taryn Wield, Ball State University

## 255 Contraceptive Use Dynamics

**CHAIR:** Sarah Bradley, Abt Associates

**DISCUSSANT:** Katherine Tumlinson, University of North Carolina at Chapel Hill

**9:15 AM-10:30 AM — Open Water**

- 255-1 **How Do Changes in Motivation to Prevent Pregnancy Influence Contraceptive Continuation? Results From a Longitudinal Study With Women Who Receive Family Planning Services From Community Pharmacists and Patent and Proprietary Medicine Vendors in Nigeria**

Sara Chace Dwyer; Sikiru Baruwa, Population Council; Emeka Okafor, Society for Family Health; Osasuyi Dirisu, Population Council; Jennifer Anyanti, Society for Family Health; Babajide Daini, Population Council; Osimhen Ubuane, Population Council; Aparna Jain\*, Population Council

- 255-2 **Choices and Challenges: Contraceptive Use Dynamics in Low- and Middle-Income Countries**

Eve Brecker\*, Population Reference Bureau; Dana Sarnak, Johns Hopkins Bloomberg School of Public Health; Charlotte Greenbaum, Population Reference Bureau; Kaitlyn Patierno, Population Reference Bureau

- 255-3 **Seasonal Contraceptive Discontinuation Patterns: An Analysis Using the Demographic and Health Survey (DHS) Contraceptive Calendar in 6 Countries**

Amy Finnegan\*, IntraHealth International

- 255-4 **Contraceptive Use Dynamics During COVID-19 in Sub-Saharan Africa: Longitudinal Evidence From Burkina Faso and Kenya**

Celia Karp\*, Johns Hopkins Bloomberg School of Public Health; Shannon Wood, Johns Hopkins Bloomberg School of Public Health; Georges Guiella, Institut Supérieur des Sciences de la Population/University of Ouagadougou; Peter Gichangi, International Centre for Reproductive Health-Kenya; Linnea Zimmerman, Johns Hopkins Bloomberg School of Public Health; Philip Anglewicz, Johns Hopkins University; Saifuddin Ahmed, Johns Hopkins University; Caroline Moreau, INSERM/INED and Johns Hopkins School of Public Health

## 256 Outcomes of Pregnancy Intentions

**CHAIR:** Neetu John, Columbia University Mailman School of Public Health

**DISCUSSANT:** Susannah Gibbs, PSI

**9:15 AM-10:30 AM — Open Water**

- 256-1 **Do Intentions Predict Real Behavior? An Analysis of Linked Longitudinal Surveillance Data With Annual Panel Survey From the Navrongo Demographic Surveillance Site in Northern Ghana**

Ayaga Bawah\*, University of Ghana; Patrick Asuming , University of Ghana ; Cornelius Debpurur , Ghana Health Service ; Paul Welaga; James F Phillips , Columbia University

- 256-2 **Birth Intention Horizon as a Predictor of Contraceptive Method Effectiveness**  
Yuko Hara\*, University of Maryland, College Park; Michael Rendall, University of Maryland-College Park
- 256-3 **The Effect of Birth Intention Status on Maternal and Child Outcomes in Low- and Middle-Income Countries: A Fixed-Effects Analysis**  
Heini Vaisanen\*, University of Southampton; Ewa Batyra, University of Pennsylvania
- 256-4 **Do Pregnancy Intentions Matter? Revisiting Relationships With Pregnancy, Infant, and Maternal Outcomes**  
Nicholas Mark\*, New York University; Sarah Cowan, New York University

## 257 Mental Health Over the Life Course in India and China

*CHAIR:* Suneeta Krishnan, Gates Foundation  
*DISCUSSANT:* Feinian Chen, University of Maryland

9:15 AM-10:30 AM — Open Water

- 257-1 **Mental Health in India: Insights From Census and Large-Scale Surveys**  
Tanusree Dutta\*, International Institute for Population Sciences; Ram B Bhagat
- 257-2 **“Act your Age”: Mental Health Status of the Elderly in India**  
Mukesh Parmar\*, Jawaharlal Nehru University, New Delhi, India
- 257-3 **Association Between Gender Disadvantage Factors and Postnatal Psychological Distress Among Married Adolescent Girls: A Community-Based Study in Rural India**  
Tina Khanna\*
- 257-4 **Loss of Children and Health of Older Chinese Parents: The Role of Family Support and Social Security**  
Fengyu Wu, Wake Forest University; Mingming Ma\*, Shanghai University of Finance and Economics

## 258 Leveraging New Digital Data Sources to Address the COVID-19 Pandemic

*CHAIR:* Andre Grow, Max Planck Institute for Demographic Research  
*DISCUSSANT:* Ugofilippo Basellini, Max Planck Institute for Demographic Research

9:15 AM-10:30 AM — Open Water

- 258-1 **U.S. Regional Disparities in Physical Distancing: Evaluating Racial and Socioeconomic Divides During the COVID-19 Pandemic**  
Emma Zang, Yale University; Jessica West, Duke University; Nathan Kim\*, Christina Pao, University of Oxford
- 258-2 **Leveraging Data From Facebook’s COVID-19 Symptom Survey to Forecast Coronavirus Cases in India**  
Abhinav Motheram\*
- 258-3 **Harnessing the Potential of Big Data for Understanding the Impact of COVID-19 on Intimate Partner Violence in Italy**  
Selin Köksal, Bocconi University; Luca Maria Pesando, Department of Sociology and Centre on Population Dynamics, McGill University; Valentina Rotondi, Bocconi University; A. Ebru Sanliturk\*, Bocconi University
- 258-4 **Physical Mobility, Nonpharmaceutical Interventions, and COVID-19 Prevalence: Evidence From Cellular Movement and Smart Thermometer Tracking in U.S. Counties**  
Frank Heiland\*, Baruch College, CUNY; Rahul Pathak, Baruch College

## 259 Historical Studies of Epidemics and Pandemics

*CHAIR:* Myron Gutmann, University of Colorado Boulder  
*DISCUSSANT:* Ken Smith, University of Utah

9:15 AM-10:30 AM — Open Water

- 259-1 **Intergenerational Effects of Smallpox and Smallpox Vaccination Over the Three Centuries**  
Volha Lazuka\*, Lund University, Department of Economic History; Peter Sandholt Jensen, University of Southern Denmark
- 259-2 **Implications of Mortality Crises in Lifespan Variation**  
Serena Vigezzi\*, José Manuel Aburto, University of Southern Denmark; Inaki Permanyer, Centre d'Estudis Demografics; Virginia Zarulli, Interdisciplinary Centre on Population Dynamics, University of Southern Denmark
- 259-3 **Pandemics, Public Health Interventions, and Fertility: Evidence From the 1918 Influenza**

Sander Wagner\*, *École Nationale de la Statistique et de l'Administration Économique*; Felix Tropf, *University of Oxford*; Nicolò Cavalli, *Nuffield College*; Melinda Mills, *Leverhulme Centre for Demographic Science, University of Oxford*

- 259-4 **Longevity and In Utero Exposure to the Influenza Pandemics in the 19th Century**  
Won-tak Joo\*, *University of Wisconsin–Madison*; Michal Engelmaier, *University of Wisconsin–Madison*; Alberto Palloni, *University of Wisconsin–Madison*; Jason Fletcher, *University of Wisconsin–Madison*

## 260 Immigration Enforcement in the Age of Trump

CHAIR: Chenoa Allen, *University of Missouri*

DISCUSSANT: Pia Orrenius, *Federal Reserve Bank of Dallas*

DISCUSSANT: Claudia Masferrer, *Centro de Estudios Demográficos, Urbanos y Ambientales, El Colegio de México*

9:15 AM-10:30 AM — Open Water

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- 260-1 **Deportation and Place: Understanding Spatial Variation in U.S. Interior Immigration Enforcement**  
Margot Moinester\*, *Washington University in St. Louis*
- 260-2 **U.S. Interior Immigration Arrests, 2014–2018**  
Konrad Franco\*, Caitlin Patler, *University of California, Davis*
- 260-3 **Mapping Immigration Court Processes, Outcomes, and Deportation Decisions**  
Christopher Levesque\*, *University of Minnesota*
- 260-4 **Remittances in the Time of Trump: How an Anti-Immigrant Political Climate Influences Remittance Amount for Mexican Migrants in the United States, 1982–2018**  
Kassandra Hernandez\*, *University of California, Los Angeles*; Jose Inoussa Aremou O Lawani, *University of California, Berkeley*

## 261 Immigration, Race, and Ethnicity

CHAIR: JooHee Han, *University of Oslo*

DISCUSSANT: William Haller, *Clemson University*

9:15 AM-10:30 AM — Open Water

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- 261-1 **Social Acceptance: Reconceptualizing Latino Immigrant Incorporation**  
Angie Ocampo\*, *University of Pennsylvania*
- 261-2 **Demographic Change and Perceptions of Racism**  
Christopher Maggio\*
- 261-3 **Socially Desirable Discrimination: What Employers Say Versus What They Do in the Case of Immigration**  
Nicole Kreisberg\*, *Brown University*
- 261-4 **From Superdiversity to Consolidation: Implications of Structural Intersectionality for Interethnic Friendships**  
Linda Zhao\*, *Harvard University*

## 262 Climate Change and Health

CHAIR: Nathalie Williams, *University of Washington*

DISCUSSANT: Victoria Sass, *University of Washington*

9:15 AM-10:30 AM — Open Water

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- 262-1 **Rainfall Variability and Risk of Infectious Diseases in Young Children: A Global Analysis**  
Anna Dimitrova\*, *International Institute for Applied Systems Analysis*; Sara McElroy, *University of California, San Diego*; Tarik Benmarhnia, *University of California, San Diego*; Morgan Levy, *University of California, San Diego*; Alexander Gershunov, *University of California, San Diego*
- 262-2 **The Impact of Heat Waves on Child Health in Africa**  
Kathryn Grace\*, *University of Minnesota, Twin Cities*; Frank Davenport, *University of California, Santa Barbara*; Elizabeth Wrigley-Field, *University of Minnesota, Twin Cities*; Ruthie Burrows, *University of Minnesota - Twin Cities*; Benjamin Zaitchik, *Johns Hopkins University*; Chris Funk, *UC Santa Barbara*
- 262-3 **People's Perception of Climate Change and Adaption With Daily Living: Evidence From Ladakh Region, India**  
Kacho Amir Khan\*, *International Institute for Population Sciences*; Aparajita Chattopadhyay, *International Institute for Population Sciences*
- 262-4 **Urban-Rural Differentials in Mortality Among Older Adults From Extreme Environmental Events**

## 263 Invited: Are Generational Categories Meaningful Distinctions for Workforce Management?

CHAIR: Arne Kalleberg, University of North Carolina at Chapel Hill

9:15 AM-10:30 AM — Open Water

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- 263-1 **The Rising Attention to Generational Characteristics Within the Workforce**  
Nancy Tippins\*, *The Nancy T. Tippins Group*

- 263-2 **Broad and Discrete Social and Economic Trends that are Affecting Work and Workers**  
Arne Kalleberg\*, *University of North Carolina at Chapel Hill*

- 263-3 **The Limitations of Results from Such Research on Generational Characteristics in the Workforce**  
Mo Wang\*, *University of Florida*

- 263-4 **Alternative Perspectives for Future Research**  
Margaret Beier\*, *Rice University*

- 263-5 **Implications of the Report's Findings for Employers and Workforce Management**  
Chandra Childers\*, *Institute for Women's Policy Research*

## 264 Invited: Demography and Public Policy

CHAIR: Anna Gassman-Pines, *Duke University*

DISCUSSANT: Linda Waite, *University of Chicago*

9:15 AM-10:30 AM — Open Water

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- 264-1 **Fifty Countries or One Country? The Role of U.S. States as Institutional Contexts for Understanding Educational Disparities in Mortality**  
Mark Hayward\*, *University of Texas at Austin*

- 264-2 **Living to Deep Old Age in the Latino Population**  
Jacqueline Angel\*, *University of Texas at Austin*

- 264-3 **Gender, Families and Inequality During the COVID-19 Pandemic**  
Jessica Calarco\*, *University of Indiana*

- XX-X **Policy, Power and the Demography of Housing**  
Jamila Michener\*, *Cornell University*

## 265 Life Course Determinants of Cognitive Aging in Asia and South America

CHAIR: Hui Zheng, *The Ohio State University*

DISCUSSANT: Neil Mehta, *University of Texas Medical Branch at Galveston*

10:45 AM-12:00 PM — Open Water

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- 265-1 **What Doesn't Kill You Makes You "Smarter": The Long-Term Association Between Exposure to Epidemic and Cognition**  
Hongwei Xu\*, *Queens College*; Hong Zou, *Southwestern University of Finance and Economics*; Sha Wen, *Southwestern University of Finance and Economics*

- 265-2 **Cognitive Function in the Context of Early-Life Wartime Stress Exposure: An Analysis of Cognitive Decline in a Cohort of Vietnamese Older Adults**  
Kim Korinek\*, *University of Utah*; Miles Kovnick, *University of Utah*; Zachary Zimmer, *Mount Saint Vincent University*; Bussarawan Teerawichitchainan, *National University of Singapore*; Yvette Young, *University of Utah*; Cao Long, *Hanoi Medical University*; Tran Kahn Toan, *Hanoi Medical University*

- 265-3 **Life Course Determinants of Cognitive Function in Older Adults in Colombia**  
Jennifer Ailshire\*, *University of Southern California*; Margarita Osuna; Elkin Garcia, *Pontificia Universidad Javeriana*; Carlos Cano, *Pontificia Universidad Javeriana*

## **Own and Parents' Schooling as Predictors of Cognitive and Physical Health at Older Ages: Findings From the Longitudinal Chilean Social Protection Survey**

*Irma Elo\*, University of Pennsylvania; Jere Behrman, University of Pennsylvania; David Bravo; Sneha Mani, University of Pennsylvania; Alejandro Sanchez Becerra*

### **266 Intergenerational Relationships Across the Life Course**

*CHAIR: Keera Allendorf, Indiana University*

*DISCUSSANT: Sarah Patterson, University of Michigan*

**10:45 AM-12:00 PM — Open Water**

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- 266-1 **Intergenerational Solidarity, Proximity to Parents When Moving to Independence, and Returns to the Parental Home**  
Brian Gillespie, *University of Groningen*; Lei Lei\*, *Rutgers University*
- 266-2 **Transfers Between Parents and Their Adult Children in South Korea**  
Seik Kim\*, *Korea University*; Goeun Lee, *Xi'an Jiaotong University*
- 266-3 **(Grand)Parental Support and Adult Children's Transition to Parenthood in the United States**  
R. Rutigliano\*, *Groningen University*; Léa Pessin, *Pennsylvania State University*; Marina Potter, *Pennsylvania State University*
- 266-4 **On the Fence of a Family: Dynamics of Intergenerational Transfers, Contacts, and Support Between Parents and Adult Children in Stepfamilies**  
Jingying He\*, *University of Wisconsin-Madison*

### **267 International Comparisons and the COVID-19 Pandemic: Case Studies**

*CHAIR: Cassio Turra, CEDEPLAR*

*DISCUSSANT: Victor Garcia-Guerrero, El Colegio de Mexico*

**10:45 AM-12:00 PM — Open Water**

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- 267-1 **Is Exposure to the HIV Epidemic Associated With Preventive Behavior Strategies for COVID-19? Evidence From the Malawi Longitudinal Study of Families and Health**  
Sneha Lamba\*, *Johns Hopkins Bloomberg School of Public Health*; Philip Anglewicz, *Johns Hopkins University*; Hans-Peter Kohler, *University of Pennsylvania*
- 267-2 **The Impacts of Social Isolation in Brazil: Health-Economy Trade-offs**  
Alexandre Gori Maia\*, *University of Campinas*; Letícia Marteleto, *University of Texas at Austin*; Cristina Rodrigues, *University of São Paulo*; Luiz Gustavo Sereno, *State University of Campinas*
- 267-3 **Is More Always Better? In-Person and Online Interactions With Friends in South Korea During COVID-19**  
Hannah Tessler\*; Meera Choi; Grace Kao, *Yale University*; Gwoon Jung, *Kyung Hee University*; Youngshin Lim, *Seoul National University*; Hyunjoon Park, *University of Pennsylvania*
- 267-4 **COVID-19 Outbreak and Urban Dynamics: Regional Variations in India**  
Devarupa Gupta\*, *International Institute for Population Sciences*

### **268 Race, Wealth, and Inequality**

*CHAIR: Liana Fox, US Census Bureau*

*DISCUSSANT: Laurel Sariscsany, Columbia University*

*DISCUSSANT: Jose Pacas, University of Minnesota*

**10:45 AM-12:00 PM — Open Water**

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- 268-1 **Racial Wealth Gap and Educational Debt Burden in Immigrant America**  
Lingxin Hao\*, *Johns Hopkins University*
- 268-2 **Unequally Indebted: The Transition to Adulthood in Uncertain Times**  
Rachel Dwyer\*, *Ohio State University*; Laura DeMarco, *North Carolina State University*
- 268-3 **The Enduring Significance of Ethnoracial Inequalities in Poverty in the United States, 1993–2017**  
Regina Baker\*, *University of Pennsylvania*; David Brady, *University of California, Riverside*; Zachary Parolin; Deadric Williams, *University of Tennessee, Knoxville*
- 268-4

## **Examining the Association Between Structural Racism in Employment and Birth Outcomes of Working-Age Black Women: Where Are the Labor Markets?**

*Tongtan Chantarat\*, University of Minnesota School of Public Health; Kari Mentzer, University of Minnesota; David Van Riper, Minnesota Population Center, University of Minnesota; Rachel Hardeman, University of Minnesota School of Public Health*

### **269 Intergenerational Mobility and the Role of Education**

*CHAIR: Kris Marsh, University of Maryland - College Park*

*DISCUSSANT: Carrie Shandera, State University of New York at Stony Brook*

*DISCUSSANT: Jordan Conwell, University of Wisconsin-Madison*

**10:45 AM-12:00 PM — Open Water**

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#### **269-1 The Impact of Parents' Schedule Unpredictability on Children's School Absences**

*Kelly Quinn, University of California, Berkeley; Daniel Schneider\*, University of California, Berkeley; Laura Martinez, University of California, Berkeley*

#### **269-2 Schools as Active Equalizers: Variation in the Relationship Between School Spending and Achievement by Cohort Health at Birth**

*Emily Rauscher\*, Brown University; Yifan Shen, Brown University*

#### **269-3 The Intergenerational Effects of Head Start on Infant Health**

*Era Kose\*, Bucknell University*

#### **269-4 The Long-Term Effects of Financial Aid Policy: Debt and Well-being in Adulthood**

*Fabian Pfeffer\*, University of Michigan; Elizabeth Burland, University of Michigan*

### **270 Fathers and Families**

*CHAIR: Richard Petts, Ball State University*

*DISCUSSANT: James Stykes, Sam Houston State University*

**10:45 AM-12:00 PM — Open Water**

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#### **270-1 What's the Use? Low Fertility and Fathers' Use of Child Care Leave**

*Mary Brinton\*, Harvard University*

#### **270-2 The Role of Flexible Working Arrangements in Facilitating Father Involvement**

*Alina Ewald\**

#### **270-3 Fathers in Repartnered Families and Child Behavior Problems**

*Youngjin Chae\*, Yonsei University*

#### **270-4 Father Connection and Support in Adulthood**

*Christopher Soria\**

### **271 Parenting Resources and Investments**

*CHAIR: Shannon Cavanagh, University of Texas at Austin*

*DISCUSSANT: Inbar Weiss, University of Texas at Austin*

**10:45 AM-12:00 PM — Open Water**

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#### **271-1 Intergenerational Transmission of Skill Cultivation and Emotional Warmth Parenting: The Role of Cultural Capital, Economic Capital, and Childhood Divorce Experience**

*Boyan Zheng\*, University of Wisconsin - Madison*

#### **271-2 Substitute or Supplement? Parent Loans for Undergraduate Students (PLUS) and the Implications for Inequality**

*Kennan Cepa\*, University of Pennsylvania*

#### **271-3 The Long-Term Consequences of a Golden Nest**

*Viola Angelini\*, Marco Bertoni; Guglielmo Weber, University of Padua*

#### **271-4 Mother's Union Transitions, Closeness With Children, and Intergenerational Transfers in Later Life**

*I-Fen Lin, Bowling Green State University; Anna Hammersmith\*, Grand Valley State University*

### **272 Traditional/Fertility Awareness-Based Methods**

**CHAIR:** Sarah Bradley, Abt Associates

**DISCUSSANT:** Jennifer Johnson-Hanks, University of California, Berkeley

**10:45 AM-12:00 PM — Open Water**

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**272-1 Before Pills and Injectables: Systematic Review of Drivers of Traditional Contraceptive Practice in Sub-Saharan Africa**

Justin DANSOU\*, University of Ibadan, Nigeria; Fidelia DAKE, University of Ghana; Yao Robert Djogbenou, Université de Montréal

**272-2 Use of Fertility Awareness-Based Methods for Pregnancy Prevention Among Ghanaian Women: A Nationally Representative Survey**

Chelsea Polis\*, Guttmacher Institute; Easmon Otupiri, KNUST; Suzanne Bell, Johns Hopkins Bloomberg School of Public Health; Roderick Larsen-Reindorf, KNUST

**272-3 The Role of Traditional Methods in Contraceptive Transitions: A Global Perspective**

Vladimira Kantorova\*, United Nations; Philipp Ueffing, United Nations Population Division; Aisha Dasgupta, United Nations Population Division; Mark Wheldon, United Nations Population Division

**272-4 Traditional Methods of Contraception Revisited: Trends and Characteristics of Users of Periodic Abstinence**

Nyovani Madise\*, University of Southampton

**273 Immigration and Fertility**

**CHAIR:** Emilio Parrado, University of Pennsylvania

**DISCUSSANT:** Stephanie Bohon, University of Tennessee

**10:45 AM-12:00 PM — Open Water**

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**273-1 Recent Trends in Total Fertility and Measure of Fertility Replacement Level, Which Is Adjusted for Net Immigration**

Nicholas Parr\*, Macquarie University

**273-2 Fertility Implications of Family-Based Regularizations**

Catalina Amuedo-Dorantes, University of California, Merced; Cristina Borràs, Universidad de Sevilla; Noelia Rivera Garrido\*, Universidad Loyola Andalucía

**273-3 Socioeconomic Mediators of Immigrant Childbearing: The Direct and Indirect Effects of Age at Arrival**

Ben Wilson\*, Stockholm University; Maarten Bijlsma, Max Planck Institute for Demographic Research

**273-4 A New Regime of Hispanic/Latina/o/x Teenage Childbearing? The Role of Demographic Shifts by Nativity and Region-of-Origin**

Rhiannon Kroeger\*, Louisiana State University; Reanne Frank, The Ohio State University; Elizabeth Wildsmith, Child Trends, Inc.

**274 Influences on Gender-Based Violence in Low- and Middle-Income Countries**

**CHAIR:** Anastasia Gage, Tulane University SPHTM/GCHB

**DISCUSSANT:** Mahua Mandal,

**10:45 AM-12:00 PM — Open Water**

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**274-1 Safer If Connected? Mobile Technology and Intimate Partner Violence**

Luca Maria Pesando\*, Department of Sociology and Centre on Population Dynamics, McGill University; Valentina Rotondi, Bocconi University

**274-2 Social Support and Intimate Partner Violence in Rural Pakistan: A Longitudinal Investigation of the Bidirectional Relationship**

Robin Richardson\*, Columbia University; Lisa Bates, Columbia University; Precious Esie; Joanna Maselko, University of North Carolina

**274-3 Gender Roles and Help-Seeking Among Women Experiencing Marital Violence in India**

Harihar Sahoo\*, International Institute for Population Sciences; Shireen Jejeebhoy, Population Council-India

**274-4 The Dynamics of Human Rights Projects and Attitudes About Violence Against Women**

Jeffrey Swindle\*, University of Michigan

**275 Health Effects of Despair, Isolation, and Stress**

**CHAIR:** Andrew Cherlin, Johns Hopkins University

**DISCUSSANT:** Shannon Monnat, Syracuse University

10:45 AM-12:00 PM — Open Water

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**275-1 The Rise in Deaths of Despair and Unclaimed Bodies**

*Heeju Sohn\*, Emory University; Stefan Timmermans, UCLA; Pamela Prickett, University of Amsterdam*

**275-2 The Demography of Despair**

*Timothy Roeper\*, New York University; Neil Bennett, CUNY Institute for Demographic Research; Cedilla Sachar, CUNY Institute for Demographic Research*

**275-3 Unmet Expectations and Despair Among White Americans**

*Reed DeAngelis\*; Kathleen Mullan Harris, University of North Carolina at Chapel Hill*

**275-4 Deterioration of Cardiovascular Mortality in the United States, 2000–2018**

*Enrique Acosta\*, Max Planck Institute for Demographic Research; Marcus Ebeling, Max Planck Institute for Demographic Research; Neil Mehta, University of Texas Medical Branch at Galveston; Mikko Myrskyla, Max Planck Institute for Demographic Research*

**276 Confronting our Eugenic Past: Critical Histories of Demography and the Population Association of America**

*CHAIR: Emily Merchant, University of California, Davis*

*DISCUSSANT: Dennis Hodgson, Fairfield University*

10:45 AM-12:00 PM — Open Water

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**276-1 Eugenic Foundations of the Population Association of America**

*Carole McCann\**

**276-2 Social Demography and the Quest for a New Eugenics in the Twentieth Century United States**

*Edmund Ramsden\**

**276-3 Malthusian Fears in Current Migration Debates**

*Soumaya Majdoub\**

**276-4 Where Did Eugenics Go? A Ten-Year Update in History and Politics**

*Alison Bashford\**

**277 Unauthorized/Irregular Migration and Legalization/Regularization**

*CHAIR: Hamutal Bernstein, Urban Institute*

*DISCUSSANT: Juan Pedroza, University of California, Santa Cruz*

10:45 AM-12:00 PM — Open Water

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**277-1 Deportability and System Avoidance Among Latino Immigrants: Evidence From the American Time Use Study**

*Asad Asad\*, Stanford University*

**277-2 Mexican-Origin Children's Educational Expectations and Performance: The Role of Mother's Legal Status and Children's Immigration Generation**

*Jeehye Kang, Old Dominion University; Ingrid P. Whitaker\*, Old Dominion University*

**277-3 ICE Raids and Audits: The Effect of Immigration Enforcement Actions on Businesses**

*Pia Orrenius\*, Federal Reserve Bank of Dallas; Madeline Zavodny, University of North Florida; Chloe Smith, Federal Reserve Bank of Dallas*

**277-4 What Drives Undocumented Immigration? A Comprehensive Analysis of Policy Environment, Economic, and Social Factors in the United States and Mexico**

*Dana Smith\**

**278 Flash: Social Networks, Social Support, and Health**

*CHAIR: Emily Smith-Greenaway, University of Southern California*

10:45 AM-12:00 PM — Open Water

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**278-1 Heterogeneities in Social Mixing Patterns in Rural and Urban Areas of Kenya**

*Emanuele Del Fava\*, Max Planck Institute for Demographic Research; Irene Adema, KEMRI-Wellcome Trust Research Programme; Moses C. Kiti, Emory University; Piero Poletti, Fondazione Bruno Kessler; D. James Nokes, KEMRI-Wellcome Trust Research Programme; Stefano Merler, Fondazione*

- 278-2 **Typologies of Dementia Caregiver Support Networks**  
Esther Friedman, RAND Corporation; David Kennedy\*, RAND Corporation
- 278-3 **How Older Widows' Social Participation Changes Through the Bereavement Process**  
Jeremy Lim\*, National University of Singapore
- 278-4 **Close Social Networks Among Older Adults: The Online and Offline Perspectives**  
Sofia Gil-Clavel\*, Max Planck Institute for Demographic Research; Emilio Zagheni, Max Planck Institute for Demographic Research; Valeria Bordone, University of Vienna
- 278-5 **Social Isolation and Physical Health From Adolescence to Mid-Adulthood**  
Kaitlin Shartle\*, University of North Carolina at Chapel Hill; Kathleen Mullan Harris, University of North Carolina at Chapel Hill; Y. Claire Yang, University of North Carolina at Chapel Hill
- 278-6 **Multiplatform Social Media Use: Little Evidence of Impacts on Adult Well-being**  
Sophie Lohmann\*, Max Planck Institute for Demographic Research; Emilio Zagheni, Max Planck Institute for Demographic Research
- 278-7 **Age Differences in Links Between Social Media Use and Mental Health: Results From a National Sample of U.S. Adults**  
Xi Zhu\*

## 279 Flash: Religion and Demography

CHAIR: Jacques Emina, University of Kinshasa

10:45 AM-12:00 PM — Open Water

- 279-1 **Trends in the Size of Religious Populations Across the United States, 1973–2018: Subnational Estimates Based on Multilevel Regression and Poststratification Over Time (MRT)**  
Dingeman Wiertz\*, University College London; Chaeyoon Lim, University of Wisconsin - Madison
- 279-2 **Does Religious Participation Predict Future Expectations About Health? Using a Life Course Framework to Test Multiple Mechanisms**  
Laura Upenieks\*, Yingling Liu, Baylor University
- 279-3 **Saving Grace? Religious Ecology and Deaths of Despair**  
Christopher Seto\*
- 279-4 **Religious Fertility During and After the Great Recession: Are the Religious Less Affected by Economic Uncertainty?**  
Laurie DeRose\*, The Catholic University of America; Catherine Pakaluk, The Catholic University of America
- 279-5 **The Decline in Faith and the Fertility Downswing in Spain**  
Ryohei Mogi\*, Centre d'Estudis Demogràfics; Vegard Skirbekk, IIASA
- 279-6 **The Paradox of Change: Religion and Fertility Decline in South Korea**  
Sam Hyun Yoo\*, Hanyang University; Victor Agadjanian, University of California Los Angeles

## 280 Invited: The Demography of Race and Ethnicity in Latin America

CHAIR: Leticia Marteleteo, University of Texas at Austin

DISCUSSANT: Landy Sanchez, El Colegio de Mexico

10:45 AM-12:00 PM — Open Water

- 280-1 **Changes in Women's Education and Marriage Markets in Latin America**  
Daniela Urbina\*, Princeton University
- 280-2 **Measuring Durable Inequalities With Contested Categories: Race and Ethnicity in Census and Surveys in Contemporary Latin America**  
Graziella Moraes\*, Graduate Institute of Geneva
- 280-3 **Race and Pandemic in Latin America: Unresolved Inequalities of Afro-Descendants in Times of COVID-19**  
John Sanchez\*, Instituto de Altos Estudios Nacionales
- 280-4 **Indigenous Population, Gender and Inequalities in Latin America**  
Marta Azevedo\*, UNICAMP

SATURDAY