



Maryland Population Research Center

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Newsletter

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New Faculty Associates

Collin Mueller, Assistant Professor, Sociology, focuses on research interests addressing concerns that are central to sociology, social gerontology, and life course research. He examines mechanisms that produce, exacerbate, and mitigate racial / ethnic population health inequalities across the life course. He uses a range of ethnographic, interviewing, mixed, and panel survey methods and draws on theoretical traditions including cumulative advantage / disadvantage approaches, life course perspectives, critical race theory, and relational inequality to clarify the role of life course mechanisms in shaping population-level trends for health inequality.



Taylor Oshan, Assistant Professor, Geographical Sciences, develops quantitative spatial analytical methods that allow investigation into how the population and its characteristics are unevenly distributed across space and may vary depending upon the geographic context. In particular, he is interested in methods that allow examination of multiple factors that may be associated with an outcome, including social, economic, demographic and health indicators from both traditional sources of survey data and newer “big data” sources that enable incorporating the effects of the built environment on the population and how lifestyles and lived experiences change over time.



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Director's Note

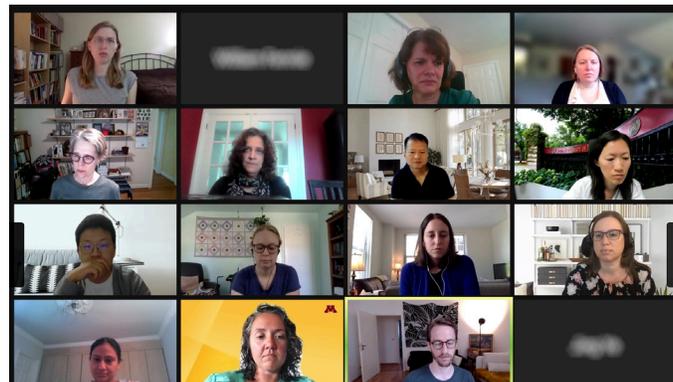
Welcome back all. I thank our MPRC staff for their impressive efforts to both keep us functioning during the pandemic and for enabling us to prepare well to come back even stronger in a hybrid onsite and virtual research infrastructure. With the retirements of Sarbartha Bandyopadhyay as Scientific and Technical Coordinator in December 2020 and of Cynthia Williams as Research Coordinator in July 2021, I am especially thankful for Heide Jackson's assuming the Acting Scientific and Technical Coordinator role in addition to her Statistical Coordinator role since December 2020. With these new responsibilities, Heide's achievements include negotiating a new Add Health contract; establishing new relationships with the BSOS College and University IT units to manage secure-data, new high performance computing server and virtual machine access; and upgrading our Morrill Hall hardware for both MPRC researchers and administrative staff. I am also very grateful to Betty Sitka and William Fennie for their successful efforts in recruiting as our new Research Coordinator, Rachel Pentlarge, who joined us on August 30 (see Page 3). I thank also Jennifer Doiron and William Fennie for their successfully facilitating a teleconference-format implementation of the “Time Use Data for Health and Well Being” June 2021 conference, which was postponed from its original 2020 in-person format and schedule (see below).



Sponsored Conference

Time Use Data for Health and Well Being

The eighth biennial Time Use conference, organized by MPRC Faculty Associate Liana Sayer, took place on June 23-25 2021 in a teleconference format. A group of about 100 domestic and international scholars participated in seven paper sessions, one poster session, and a networking session. The conference gave special attention to intersecting influences of macroeconomic conditions and micro-level factors on time use and well being across the life course.



“Time is one of the most valuable and contested resources in contemporary societies,” Dr. Sayer noted. “Analyses of variation in daily time use patterns over time, space, and social groups is needed to advance understanding of determinants and consequences of time use for well being.” Scholars expressed gratitude for the opportunity to share research, and several calls were made to have such meetings more often.



PAA 2022 Annual Meeting

Submissions Due September 26

Research Profile

Rashawn Ray, Sociology

Clarifying the conversation around racism and policing

Rashawn Ray, has emerged as a primary source for providing insight into the Black Lives Matter movement and the larger context of communities of all kinds in relationship with their police forces. His years of research into racism, and especially his studies into police issues, have made his voice particularly helpful for a variety of audiences. Over the past 18 months he has been interviewed dozens of times on national programs and has briefed Congressional leaders and State of Maryland officials on police reform.

His four-point program for police reform involves 1) strengthen internal accountability; 2) prevent 'bad apples' from moving to new jobs; 3) reduce police workloads; and 4) increase police pay. "You can't just make reform changes without including the people at the center, who are going to be the ones most impacted," he said.

Current research involves developing more sophisticated training programs for police units. Dr. Ray found standard implicit bias training to be too abstract. "We're sitting in a classroom and I'm telling them a bunch of stuff, [and] rarely do any of them think, 'This is me,'" he told the *Washington Post* in June 2020. He developed a course that includes AR run-downs that require an officer to make decisions in real time.

While on sabbatical at the Brookings Institution, Dr. Ray partnered with Brent Orrell, Senior Fellow at the American Enterprise Institute, to establish the Brookings-AEI working group on criminal justice reform. In its first report, "A better path forward for criminal justice," the group laid out "short-, medium-, and long-term reforms that can address disparities in the criminal system."

Seed Grant Opportunity 2021-2022

A new Seed Grant cycle begins this fall, presenting the opportunity for scholars to gain support for proposals for external funding. There are two elements:

1. The regular Seed Grant call has a submission deadline of **October 22**; and
2. The special COVID-related call continues, with **review on a rolling basis**, through the end of 2021.

Details will be forthcoming by email and can also be found on the MPRC website.

The most recent Seed Grant round resulted in funding for two new projects:

Joseph Richardson, Professor of Criminology, is examining the *convergence of coronavirus and gun violence in Baltimore City*. His proposal was funded at \$15,000. The COVID-19 pandemic has disproportionately impacted the health and mortality of Black Americans. This will be the first study to explore the convergence of two epidemics using a virtual qualitative and geographic information systems (GIS) approach.

New Faculty Associate **Taylor Oshan** (see Page 1), Assistant Professor of Geographical Sciences, will investigate the *spatial context of obesogenic disparities* through a grant funded at \$14,793. Obesity rates are at epidemic proportions throughout much of the world; rates, however, vary greatly across spatial contexts and different socio-demographic groups, taking a particularly disproportionate toll on low-income individuals and racial / ethnic minority populations.

2021 PAA Annual Meeting

A diverse group of 21 MPRC Faculty Associates and 15 Student Affiliates participated in the 2021 Annual Meeting of the Population Association of America in a variety of roles. Faculty Associates and staff presented 11 papers in oral sessions and 5 posters, and co-authored 12 others. Student Research Affiliates presented 12 papers and 4 posters. Several Faculty Associates served as Session Chairs and Discussants.

2020 Bianchi Scholar **Ge Gao** presented "Does Workplace Flexibility Facilitate Shared Parenting? Examining the Role of Individual and Collective Bargaining Power" at the all-online teleconference event..

New Faculty, continued from page 1

Katrina Walsemann, Associate Professor, Public Policy, examines how social inequities influence life course health. She is particularly interested in how the U.S. education system shapes individuals' physical, mental, and cognitive health, independent from and in relation to other structural factors such as race / ethnicity, gender, and social class. She has published extensively on how early school environments affect health and health behavior across the life course as well as how student debt influences the psychosocial health of young adults and their aging parents. An understanding of the historical and contemporary social policies that can create, reduce, or eliminate social inequities in population health is fundamental to her research.



Dahai Yue, Assistant Professor, Health Policy and Management, has one stream



of work focused on providing rigorous evidence on how social determinants of health affect health outcomes and healthcare utilization. His recent work examines the relationship between

educational attainment and longevity by linking the newly released 1940 full census to the FamilySearch database. In another project he examines the causal effects of educational attainment on healthcare utilization (e.g., hospitalizations) using data from the Health and Retirement Study.

New Affiliates

External Affiliate

Kathleen Beegle, Lead Economist, World Bank Gender Group, working with Sangeetha Madhavan. Dr. Beegle's research includes the study of poverty, labor, shocks, and methodological studies on household survey data collection in developing countries. She joined the Development Research Group of the World Bank in 2001 after a post-doctoral fellowship at RAND and received her Ph.D. in Economics from Michigan State University.

Postdoctoral Fellows

Stephanie Urena, Public Policy, working with Katrina Walsemann. Dr. Urena's research centers on the ways social factors shape population health and

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Rachel Pentlarge joins grant support staff

We are very pleased to announce the arrival of Rachel Pentlarge to join MPRC's grant support staff, specializing in proposal preparation and support. She comes to us from Children's National Medical Center where she served as Senior Grants and Contracts Specialist. Rachel has experience submitting proposals in a variety of U. S. Government systems, including eRA Commons and ASSIST, NSF FastLane, and Grants.gov. She is also quite familiar with Proposal Central which is a shared platform for a number of private foundations. Rachel can assist with ensuring that each part of the proposal is strong and coheres with all the other components; the budget clearly supports the planned work and the budget justification outlines the need for the funds and makes clear to the sponsor that UMD-MPRC is great place to support. She enjoys working with new as well as experienced researchers

Summer Research Fellowship Awards

Francisco Lagos Marin, a Student Affiliate in Teaching and Learning, Policy, and Leadership working with Sergio Urzua, Economics, was awarded this year's Suzanne M. Bianchi Summer Research Award for his proposal, "Demographic Changes, School Diversity, and Long-Term Economic Opportunity." The Bianchi Award commemorates the work of Dr. Bianchi by providing summer funding for a student who plans to present their work at the following year's PAA conference.

Jingwen Liu, Sociology, working with Feinian Chen, also received summer support for her proposal, "Digging into and Moving beyond Living Arrangements: The Role of Social Support and Household Contexts in Shaping Depressive Symptoms in Middle and Later Life."

Postdoc Fellows, continued from page 2

well-being, with an emphasis on aging, life course processes, health disparities, and Alzheimer's disease and related dementias. A special focus of her research is on the implications of military service for the long-term health of U.S. veterans.

Arun Balachandran, Sociology, working with Sonade Desai. Dr. Balachandran's research interests are in population and development in general, and in mortality, gender and ageing in particular. Last year he received the K B Pathak Memorial Award for innovation in methodology in demography from the Indian Association of Study of Population.

Recent Grant Submissions

During the past year MPRC personnel helped researchers to propose more than \$16.3 million in new funding. A list of recently awarded funding can be found on Page 4.

Chris Antoun, Brian Kim

** Modernizing NCSES Data Collection Approaches, NSF, \$151,067*

Michel Boudreaux

Wildfires and Infant Health, NICHD R01, \$3,643,770

Brian Kim

Understanding Racial / Ethnic Disparities in Preventive Care Utilization among Older Adults through Adaptive Web Respondent Driven Sampling and Multiple Frame Estimation, NIA R01, \$53,762, sub from Univ of Michigan

Addressing an Intersection of Age and Race / Ethnicity in the Syndemic of COVID-19 and Substance Overdose through Nuanced Bi-Level Analysis, NIA R01 Admin Supplement, \$31,528, sub from Univ of Michigan

Frauke Kreuter

NRT-HDR: Securing Privacy and Trust in AI and Data Science (SPAIDS), NSF, \$2,999,932

Ken Leonard, Sangeetha Madhavan

Transitions to adulthood and transmission of inequality as seen in a 30 panel from Kagera, Tanzania, NICHD R01, \$2,925,400

Susan Parker

Long-term Health Effects of Social Insurance Programs on Older Adults, NIA R01, \$575,313, sub from UTMB / USC

Investigation of Critical Dimensions of Educational Attainment and Achievement in Mexico Using Rich Longitudinal Data, Spencer Foundation, \$89,045

Do Schooling and Health Gains Sustain Disruption? Studying the Rollback of a Successful CCT in Mexico, NICHD R21, \$424,393

Michael Rendall

Forecasting cohort change in overweight and obesity trajectories from childhood through adulthood, NICHD - R21 resubmission, \$466,631

Liana Sayer

Time Use Data for Health and Well-Being, NIH-NICHD R01 renewal, \$3,694,180

Time Use Across the Life Course: Family Inequality and Multigenerational Well-Being, NICHD R13, \$50,000

Thurka Sangaramoorthy

Immigration and mental health: Understanding the psychosocial dimensions of exclusion and belonging among immigrants in the United States, NEH, \$190,000, sub from Univ of Arizona

Katrina Walsemann

The Role of Early Educational Contexts in Differential Genetic Susceptibility to Cognitive Impairment and Dementia, NIA - K02, \$1,074,087

Recent Working Papers

Following are some recent Population Working Papers by MPRC Faculty Associates. Working papers can be accessed on the MPRC website.

Profiles of Mothering and Effects on Children's Immunization in West Africa

Sangeetha Madhavan, Michael Wagner, University of Maryland; 2021-001

Gender Asymmetry in the Role of Racial / ethnic Exogamy in U.S. Couples' Fertility

Margaret M. Weden, RAND Corporation, Michael S. Rendall and Joey Brown, University of Maryland; 2021-002

Time Use of Youth during a Pandemic: Evidence from Mexico

Cynthia Boruchowicz, University of Maryland; Susan W. Parker, University of Maryland / CIDE; Lindsay Robbins, University of Maryland; 2021-003

Estimation, Simulation, and Validation of a Two-sex Model of Intergenerational Reproduction of Education

Michael S Rendall, Heide Jackson, University of Maryland; Shuchi Goyal, Mark S Hancock, University of California Los Angeles; Margaret M Weden, RAND Corporation; Polina Zvavitch, University of Maryland; 2021-004

Women's employment and first birth in Europe

Angela Greulich, Sciences Po, Paris; Michael S. Rendall, University of Maryland; 2021-005

Other Working Paper Repositories

Another brick on the wall: On the effects of non-contributory pensions on material and subjective well being

Rosangela Bando Grana, Sebastian Galiani, Paul J.S. Gertler, IDB Working Paper Series No. IDB-WP-01212

Hard times and falling fertility in the United States

Philip Cohen, SocArXiv Papers

Research Profile

Susan W. Parker

Using New Longitudinal Linked Data to Investigate the Determinants of Educational Attainment and Achievement in Mexico. NSF / University of Pennsylvania

Educational systems vary across countries, but schooling outcomes in low-and-middle-income countries typically exhibit common characteristics that contribute to lower educational attainment: low enrollment rates at higher grade levels, high dropout rates, especially during transitions from primary to secondary school and from secondary to high school, late school matriculation, high grade repetition, low graduation rates, and high participation of children in formal or informal work (e.g., agricultural work, sibling care). This project will study educational outcome determinants in the context of Mexico and analyze the effectiveness of both supply-side and demand-side policies. An important demand-side factor inhibiting schooling is competing demands on children's time such as work obligations. Conditional Cash Transfer (CCT) programs aim to alter poor families' financial incentives to send children to school. CCT programs were first introduced in Brazil and Mexico in 1997 and have spread worldwide. CCTs aim to alleviate current poverty and reduce future poverty by augmenting human capital of children from poor families to increase their lifetime earnings. The Mexican *Prospera* program conditions transfers on school attendance and health clinic visits. The project analyses of educational outcome determinants and of how *Prospera* affects learning and achievement are made possible by newly available longitudinal test score data linked with students' program beneficiary status. The team will use the estimated model to analyze the determinants of educational attainment and academic achievement. They also will analyze how the *Prospera* program affects cumulative learning and explore questions related to optimal program design (e.g. varying the level and timing of incentive payments).



Note : Susan W. Parker is Associate Director of MPRC, beginning this fall

2021 Fall Seminars, Workshops, and Events

A full schedule of seminars and other events is planned for Fall 2021. Due to COVID-19 and its variants, seminars will be held with a mix of in-person and online formats. We will begin on September 13th with Wendy Manning (right), Dr. Howard E. Aldrich and Penny Daum Aldrich Distinguished Professor of Sociology and the Co-Director of the National Center for Family and Marriage Research at Bowling Green State

University. She is presenting "Continuity and Change in Verbal Conflict and Intimate Partner Violence During the COVID-19 Pandemic: A Prospective Analysis of Adults". Other visitors include Emma Zang, Yale University; Jennifer Kras Montez, Syracuse University; Maya Rossin-Slater, Stanford University; Kim Blankenship, American University; Florencia Torche, Stanford University; Isaac Mbiti, University of Virginia; John Eason, University of Wisconsin; Avi Ebenstein, Hebrew University of Jerusalem; Hiram Beltrán-Sánchez, UCLA; Gustavo Bobonis, University of Toronto; and Francis Doodoo, The Pennsylvania State University.



The student-organized Journal Club will host two meetings this fall as well.

The complete fall schedule and relevant, detailed information on topics and speakers can be found in the Events section of the MPRC website.

Recent Awards

Following are some of the projects awarded to MPRC Associates over the last year.

Katharine Abraham

E-VERIFY: National Household Travel Survey (NHTS), US Department of Transportation, \$39,830, 4/23/2020-4/22/2022.

Christopher Antoun

Establishing an International Network for Food Acquisition and Purchase Surveys, USDA-Economic Research Service, \$150,459, 9/3/2020-9/30/2022.

Christopher Antoun, Brian Kim

E-Verify: Modernizing NCSES Data Collection Approaches, NSF, \$88,778, sub from Univ of Michigan, 9/1/2020-8/31/2021.

Brian Kim

Collaborative Research: Impacts of Hard/Soft Skills on STEM Workforce Trajectories, NSF, \$165,727, sub from Utah State University, 5/1/2020-4/30/2025.

Natasha Cabrera

National Research Center on Hispanic Children and Families, DHHS Admin for Children and Families, \$25,240, sub from Child Trends, 9/30/2020-9/29/2021.

Typhanye Dyer

Stop-and-Frisk, Arrest, and Incarceration and STI/HIV Risk in Minority MSM, National Institute on Drug Abuse, \$24,262, sub from New York University, 5/1/2020-4/30/2021.

Jessica Fish

Adolescence to adulthood: Factors influencing trajectories of suicide ideation and attempt among sexual minorities, NIMH, \$24,763, sub from Univ of Texas Austin, 3/20/2020-3/19/2022.

Sandra Hofferth

COVID-19 Impacts on Time Use and Well-Being, NICHD R01 Admin supplement, \$113,625, 7/1/2020-6/30-2021.

Melissa Kearney

Raising a Nation: How Improving Society and Closing Class Gaps will Depend on Strengthening Families, Smith Richardson Foundation, \$50,000, 1/2/2021-12/31/2021.

Frauke Kreuter

Center for Social Data Science ("SoDa") Partnership, Facebook Inc., \$1,149,000, 6/1/2020-5/31/2023.

Amy Lewin

El Camino: Tier 2 Rigorous Evaluation of Promising Interventions in Promotion of Healthy Adolescence, DHHS Office of Population Affairs, \$188,462, sub from Child Trends, 8/5/2020-6/30/2021.

Yan Li

Improving Population Representativeness of the Inference from Non-Probability Sample Analysis, National Cancer Institute R03, \$154,500, 9/1/2020-8/31/2022.

Kevin Roy, Amy Lewin

A mixed-method study for improving community mental health for Latino immigrant youth and families, Annie E. Casey Foundation, 4/1/2021-8/31/2022.

Katrina Walsemann

State Desegregation Efforts and Black-White Disparities in Dementia, Alzheimer's Association, \$123,045, 8/2/2020-3/31/2023.



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