

## **Tim A. Bruckner**

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### **Teaching and Research Positions**

- 2021- Professor, Health, Society & Behavior and Population Health and Disease Prevention, Public Health, University of California, Irvine
- 2015-2021 Associate Professor (with tenure), Public Health, University of California, Irvine
- 2009-2015 Assistant Professor (joint appointment), Public Health and Planning, Policy & Design, University of California, Irvine
- 2011-12 Visiting Assistant Professor, Institute of Social Medicine, University of the State of Rio de Janeiro, Brazil
- 2007-09 Postdoctoral Fellow, Agency for Healthcare Research and Quality, Department of Health Policy, University of California, Berkeley

### **Education**

- 2007 PhD, University of California, Berkeley, Epidemiology  
Dissertation: Economic Antecedents of Parenting and Infant Mortality  
Ralph Catalano (Chair), Ronald Lee, Alan Hubbard
- 2003 MPH, University of California, Berkeley, Epidemiology and Biostatistics
- 1998 BA, Dartmouth College, Biology; Minor certificate in Sociology

### **University Leadership**

- 2019- Co-Director, Center for Population, Inequality, and Policy
- 2019-2021 Director of Doctoral Program in Public Health

### **Research Interests**

perinatal health disparities, interrupted time series methods, mental health services

## Grants, Fellowships, and Awards

### Active

“Racial disparities in preterm births and fetal losses”

R01 (NICHD) 8/2021- 6/2026

Role: PI

\$2,536,593

“Transforming Public Health Informatics and Technology Training to Advance Diversity and Equity”

Office of the National Coordinator for Health Information Technology (ONC)

ONC 90PH0010/01-00 09/21/2021–09/20/2025

Role: mPI (with Kai Zheng)

\$7,244,833

“Neighborhood opportunity and child health using a randomized trial of low-income mothers”

R21 (NICHD) 10/2022- 9/2024

Role: PI

\$433,559

“Selection in utero and consequences for sex differences in adult mortality: a cohort approach”

R21 (NIA) 10/2021- 9/2023

Role: PI

\$432,759

“How Do Human Capital Investments and Shocks Interact?”

R01 (NICHD) 11/2018-10/2022

Bitler (PI)

Role: Co-I

\$1,237,120

“Exploring Cannabis Policies and Practices that Influence Adolescent Use: Evolution of Local Cannabis Law, Products, Sales and Marketing”

Bureau of Cannabis Control 11/2020 – 11/ 2022

Timberlake (PI)

Role: Co-I

\$1,351,556

“Sanctuary Cities and Health”

WT Grant Foundation 8/2020-8/2022

Ayon (PI)

Role: Co-I

\$200,000

“Structural Changes to the Psychiatric Sector and Court-Ordered Psychiatric Treatments”

Denmark NIH 4/2020 – 3/2023

Lars Andersen (PI)  
Role: Co-I  
\$1,015,000

Completed

“Intergenerational Persistence of Treatment Effects in Human Capital Interventions”  
R01 (NICHD) 9/2017-8/2022

Dodge (PI)  
Role: Co-I  
\$3,954,558

“Population-Wide Surveillance of COVID-19 Antibodies in Orange County”  
Orange County Health Care Agency  
Role: PI (w/ Boden-Albala as mPI) 6/2020 – 5/2021  
\$1,700,000

“Vaccine Efficacy after a Sanitation Campaign: A Natural Experiment”  
R03 (NIAID) 3/2019-10/2021  
Role: PI  
\$138,702

“A surveillance-based approach to estimating uncounted COVID-19 cases”  
UCI CRAFT COVID Intramural Award 5/2020 – 4/2021  
Role: PI  
\$60,000

“Racial disparities in pediatric psychiatric emergencies: a health systems approach”  
NIH / NIMH 1R21MH110815 - 01A1 4/2017-3/2020  
Role: Principal Investigator  
\$418,487

“Data Supplement: Racial disparities in pediatric psychiatric emergencies”  
NIH / NIMH 3R21MH110815-02S1  
Role: Principal Investigator 9/20118-9/2020  
\$35,473

“Human Capital Interventions Across Childhood and Adolescence”  
National Institutes of Health P01HD065704  
Role: Investigator (PI: Greg Duncan). 7/2011-6/2017 (no cost extension).  
\$5,563,031

“Parental Job Displacement, Pregnancy Loss, and Birth Outcomes.”  
CORCL Single Investigator Award, UC Irvine, 7/1/2014-6/30/2015  
\$10,000

“Racial/Ethnic Disparities in Mental Health” (\$29,500)  
 National Institutes of Health Extramural Loan Repayment Program  
 Award in Health Disparities Research  
 Role: PI. 7/2009-12/2013

National Institute on Aging Pre-Doctoral Fellow, via University of California, Berkeley 2005-2006. (\$25,000).

National Institute of Child Health and Human Development Pre-Doctoral Fellow, via University of California, Berkeley 2004-2005. (\$25,000).

### Peer-reviewed Publications (reverse chronological order)

J153. **Bruckner TA**, Bustos B, Margerison C, Gemmill A, Casey J, Catalano R. Selection in utero against male twins in the US early in the COVID-19 pandemic. *Am J Hum Biology* 2022 (accepted).

J152. **Bruckner TA**, Huo S, Huynh M, Du S, Young A, Ro A. Psychiatric emergencies in Los Angeles County during, and after, initial COVID-19 societal restrictions: an interrupted time-series analysis. *Community Mental Health Journal* 2022 (accepted).

J151. Ro A, **Bruckner TA**, Huynh M, Du S, Young A. Emergency Department Utilization Among Undocumented Latino Patients During the COVID-19 Pandemic. *Journal of Racial and Ethnic Health Disparities* 2022 (<https://doi.org/10.1007/s40615-022-01382-8>).

J150. **Bruckner TA**, Das A, Duncan GJ. Thanksgiving and Christmas gatherings before the 2020-21 winter surge of COVID-19 in the United States. *Preventive Medicine Reports* 2022; 29: 101911.

J149. Fresson J, **Bruckner TA**, Le Ray C, et al. Decreases in preterm birth during the first COVID-19 lockdown in France by gestational age sub-groups and regional COVID-19 incidence. *Annals of Epidemiology* 2022; 72: 74-81.

J148. Gailey S, Mortensen LH, **Bruckner TA**. Job Loss and Fetal Growth Restriction: Identification of Critical Trimesters of Exposure. *Annals of Epidemiology* 2022 (<https://doi.org/10.1016/j.annepidem.2022.05.003>).

J147. Margerison CE, **Bruckner TA**, MacCallum-Bridges C, Catalano R, Casey JA, Gemmill A. Exposure to the early COVID-19 pandemic and early, moderate, and overall preterm births in the US: a conception cohort approach. *Paediatric and Perinatal Epidemiology* 2022: 1-9 (doi: 10.1111/ppe.12894)

- J146. Singh P, Shah M, Forthal D, **Bruckner TA**. Association between vaccine preventable diseases in children and improved sanitation following a nationwide sanitation campaign in India- An ecological analysis. *BMJ Open* 2022;12:e052937.
- J145. Yoon J, Das A, **Bruckner TA**, Richard P. Firearm Availability, Suicide, and the Role of Public Mental Health Capacity. *The Journal of Mental Health Policy and Economics* 2022; 25: 61-73.
- J144. Gemmill A, Casey JA, Margerison CE, Zeitlin J, Catalano R, **Bruckner TA**. Patterned outcomes, unpatterned counterfactuals, and spurious results: perinatal health outcomes following COVID-19. *Am J Epidemiology* 2022 (<https://doi.org/10.1093/aje/kwac110>).
- J143. Trinh N, de Visme S, Cohen JF, **Bruckner T**, Lelong N, Adnot P, Rozé JC, Blondel B, Goffinet F, Rey G, Ancel PY, Zeitlin Z, Chalumeau M. Recent historic increase of infant mortality in France: a time-series analysis, 2001 to 2019. *The Lancet Regional Health – Europe* 2022; 16: 100339.
- J142. Loftipour S, Shah N, Patel H, Saadat S, **Bruckner T**, Singh P, Chakravarthy B. Association of Suicide attempt with Stimulant Abuse in California Emergency Departments in 2011: a study of 10 million ED visits. *West J Emergency Med* 2022; 23: 152-7.
- J141. Goodman S, Zahn M, **Bruckner T**, Boden-Albala B, Lakon C. An undetectable viral load among hepatitis C antibody positive residents of a large Southern California County and its implications for the care cascade. *Health Services Research & Managerial Epidemiology* 2022; 8: 1-10.
- J140. Das A, Singh P, **Bruckner T**. Permissiveness of firearm laws, pro-gun culture, and suicides by firearm in the U.S., 2000–2016. *Public Health in Practice* 2021; 2:100218.
- J139. Schacht R, Hollingshaus M, Hanson H, Macfarlan SJ, Tharp D, **Bruckner T**, Smith KR. Frail males on the American frontier: the role of environmental harshness on sex ratios at birth across a period of rapid industrialization. *Social Sciences Research* 2021; 10(9):319.
- J138. Catalano R, **Bruckner TA**, Casey JA, Gemmill A, Margerison C, Hartig T. Twinning During the Pandemic: Evidence of Selection in Utero. *Evolution, Medicine, and Public Health* 2021: 374-382. (<https://doi.org/10.1093/emph/eoab033>)
- J137. Morey B, Garcia J, Nieri T, **Bruckner TA**, Link B. Symbolic Disempowerment and Donald Trump’s 2016 Presidential Election: Mental Health Responses

- among Latinx and White Populations. *Social Science & Medicine* 2021; 289:114417.
- J136. Lin TK, **Bruckner TA**, Alghaith T, Hamza MH, Alluhidan M, Herbst CH, Alghodaier H, Alamri A, Saber R, Alazemi N, Liu JX. Projecting health labor market dynamics for a health system in transition: planning for a resilient health workforce in Saudi Arabia. *Globalization and Health* 2021; 17:105.
- J135. Das A, Singh P, **Bruckner TA**. State lockdown policies in the United States, mental health symptoms, and using substances. *Addictive Behaviors* 2021; 124:107084.
- J134. Gemmill A, Casey JA, Catalano RA, Karasek D, Margerison CE, **Bruckner TA**. Changes in preterm birth and cesarean deliveries in the United States during the SARS-CoV-2 pandemic. *Paediatric and Perinatal Epidemiology* 2022;36:485-489.
- J133. Gailey SG, Knudsen E, Mortensen LH, **Bruckner TA**. Birth Outcomes Following Unexpected Job Loss: A Matched Sibling Design. *International Journal of Epidemiology* 2022;51:858-869.
- J132. Parker DM, **Bruckner T**, Vieira VM, Medina C, Minin VN, et al. Epidemiology of the early COVID-19 epidemic in Orange County, California: comparison of predictors of test positivity, mortality, and seropositivity. *Emerging Infectious Diseases* 2021; 27:2604-2618.
- J131. **Bruckner TA**, Catalano RA, Das A, Lu X. Cohort Selection in Utero Against Male Twins and Childhood Cancers: A Population-Based Register Study. *Cancer Epidemiology, Biomarkers, and Prevention* 2021;30:1834-40.
- J130. **Bruckner TA**, Das A, Singh P, Boden-Albala B. SARS-CoV-2: An empirical investigation of Rose's population-based logic. *Epidemiology* 2021;32: 807-10.
- J129. Andersen L, **Bruckner TA**, Fallesen P. Risk of Stress/Depression and Functional Impairment in Denmark Immediately Following a COVID-19 Shutdown. *BMC Public Health* 2021;21:984.
- J128. **Bruckner TA**, Gailey S, Das A, Gemmill A, Casey JA, Catalano RA, Shaw GM, Zeitlin J. Stillbirth as left truncation for early neonatal death in California, 1989-2015: a time-series study. *BMC Pregnancy and Childbirth* 2021:21:478.
- J127. Trinh N, Chalumeau M, **Bruckner T**, Levy C, Bessou A, Milic D, Cohen R, Lemaitre M, Cohen J. Monitoring outpatient antibiotic utilization using reimbursement and retail sales data: a population-based comparison in France, 2012-2017. *Journal of Antimicrobial Chemotherapy* 2021;76:2446-2452.

- J126. Gailey SB, Cross RI, Messer LC, **Bruckner TA**. Characteristics associated with downward residential mobility among birthing persons in California. *Social Science & Medicine* 2021;279:113962.
- J125. Singh P, Shah M, **Bruckner TA**. Child undernutrition following the introduction of a large-scale toilet construction campaign in India. *Journal of Nutrition* 2021; <https://doi.org/10.1093/jn/nxab150>.
- J124. Gailey S, **Bruckner TA**, Lin TK, Liu JX, Alluhidan M, Alghaith T, Alghodaier H, Tashkandi N, Herbst CH, Hamza MM, Alazemi N. A Needs-Based Methodology to Project Physicians and Nurses to 2030: The Case of the Kingdom of Saudi Arabia. *HRH Journal* 2021;19:55.
- J123. Loftipour S, Au C, Saadat S, **Bruckner T**, Singh P, Chakravarthy B. Toxicologic Exposures in California Emergency Departments in 2011 and its risk factors. *Western Journal of Emergency Medicine* 2021; 22: 1139-1145.
- J122. Catalano R, Karasek D, **Bruckner TA**, Casey JA, Saxton K, Ncube CN, Shaw GM, Elser H, Gemmill A. African American Unemployment and the Disparity in Periviable Births. *Journal of Racial and Ethnic Health Disparities* 2022;9:840-848.
- J121. Singh P, Das A, William J, **Bruckner T**. Fertility, Economic Development, and Suicides among Women in India. *Social Psychiatry and Psychiatric Epidemiology* 2021;56:1751-1759.
- J120. Catalano R, Goldman-Mellor S, **Bruckner T**, Hartig T. Sildenafil and suicide in Sweden. *European Journal of Epidemiology* 2021;36:531-537.
- J119. Trinh N, Singh P, Cerdá M, **Bruckner TA**. Opioid-related emergencies in New York City after the Great Recession. *J Substance Abuse and Treatment* 2021;125:108311.
- J118. **Bruckner TA**, Parker DM, Bartell S, Vieira V, Khan S, Noymer A, Drum E, Albala B, Zahn M. Boden-Albala B., 2020. Estimated Seroprevalence of SARS-CoV-2 Antibodies Among Adults in Orange County, California. *Scientific Reports* 2021;11:3081.
- J117. Gailey S, McElroy S, Benmarhnia T, **Bruckner TA**. Green Mobility and Obesity Risk: A Longitudinal Analysis in California. *Health and Place* 2021;68:102503.
- J116. Das A, Kulkarni A, Singh P, **Bruckner TA**. Emergency Department Visits for Depression following Police Killings of Unarmed African Americans. *Social Science & Medicine* 2021;269:113561.

- J115. Das A, Singh P, **Bruckner TA**. Continuity of Mental Health Care at Community Health Centers and Reduced Emergency Department Visits for Suicidal Ideation/Self-Harm. *Community Mental Health Journal* 2021;57:1142-1150.
- J114. Catalano RA, Casey JA, **Bruckner TA**, Gemmill A. Non-COVID-19 Deaths After Social Distancing in Norway. *European Journal of Epidemiology* 2020;35:1021-1024.
- J113. Singh P, Cumberland WG, Ugarte D, **Bruckner TA**, Young SD. Association Between Generalized Anxiety Disorder Scores and Online Activity Among US Adults During the COVID-19 Pandemic: Cross-Sectional Analysis.. *J Med Internet Res*. 2020;22:e21490.
- J112. Gemmill A, Catalano R, Alcalá H, Karasek D, Casey J, **Bruckner T**. The 2016 presidential election and periviable births among Latina women. *Early Human Development* 2020;151:105203.
- J111. Gemmill A, Casey JA, Karasek D, **Bruckner T**, Mayo JA, Lee HC, Stevenson, DK, Shaw GM, Catalano R. Stillbirths and live births in the periviable period. *Annals Epid* 2020;49:8-12.
- J110. Das A, Singh P, **Bruckner TA**. Racial disparities in pediatric psychiatric emergencies: a health systems approach. *Journal of Psychiatry and Brain Science* 2020;5:e200006. <https://doi.org/10.20900/jpbs.20200006>
- J109. Catalano R, Casey J, **Bruckner TA**. A test of oscillation in the human secondary sex ratio. *Evolution, Medicine, and Public Health* 2020 (<https://doi.org/10.1093/emph/eoaa012>).
- J108. Trinh N, Cohen R, Lemaitre M, Chahwakilian P, Coulthard G, **Bruckner T**, Milic D, Levy C, Chalumeau M, Cohen J. Community antibiotic prescribing for children in France from 2015 to 2017: A cross-sectional national study. *Journal of Antimicrobial Chemotherapy* 2020 (doi:10.1093/jac/dkaa162).
- J107. Singh P, Chakrabarti S, **Bruckner TA**. Association Between Poor Sanitation and Growth measurements in Indian Children. *JAMA Network Open* 2020; 3(4):e202791.
- J106. Singh P, Brown R, Copeland W, Costello J, **Bruckner TA**. Income Dividends and Subjective Survival in a Cherokee Indian Cohort: A Quasi-Experiment. *Biodemography and Social Biology* 2020; 65:2, 172-187.

- J105. Ro A, **Bruckner TA**, Duquette-Rury L. Immigrant Apprehensions and Birth Outcomes: Evidence from California Birth Records 2008-2015. *Social Science & Medicine* 2020 (<https://doi.org/10.1016/j.socscimed.2020.112849>).
- J104. Ilango S, Weaver M, Sheridan P, Schwarz L, Clemesha R, **Bruckner TA**, Basu R, Gershunov A, Benmarhnia T. Extreme heat episodes and risk of preterm delivery in California, 2005-2013. *Environment International* 2020; 137: 105541 (doi: <https://doi.org/10.1016/j.envint.2020.105541>).
- J103. Catalano R, Goldman-Mellor S, Karasek D, Gemmill, Casey J, Elser H, **Bruckner TA**, Hartig T. Collective Optimism and Selection Against Male Twins *in Utero*. *Twins Research and Human Genetics* 2020; 23: 45-50.
- J102. **Bruckner TA**, Singh P, Yoon J, Chakravarthy B, Snowden LR. African American / white disparities in psychiatric emergencies among youth following rapid expansion of Federally Qualified Health Centers. *Health Services Research* 2020; 55: 26-34.
- J101. Trinh N, **Bruckner TA**, Lemaitre M, Chauvin F, Levy C, Chahwakilian P, Cohen R, Chalumeau M, Cohen JF. Association between National Treatment Guidelines for Upper Respiratory Tract Infections and Outpatient Pediatric Antibiotic Use in France: An Interrupted Time-Series Analysis. *J Pediatrics* 2020; 216: 88-94.
- J100. **Bruckner TA**, Singh P, Lelong N, Khoshnood B. Down Syndrome among primiparae at older maternal age: A test of the Relaxed filter Hypothesis. *Birth Defects Research* 2019; 111(20): 1611-1617.
- J99. Schwarz L, **Bruckner T**, Ilango S, Sheridan P, Basu R, Benmarhnia T. A quantile regression approach to examine fine particles, term low birth weight and racial/ethnic disparities. *Environmental Epidemiology* 2019; 3(4):e60.
- J98. **Bruckner TA**. The value of descriptive time series analysis: The case of Portugal. *Paediatric and Perinatal Epidemiology* 2019; 33 (4), 260-261.
- J97. **Bruckner TA**, Singh P, Snowden L, Yoon J, Chakravarthy B. Rapid Growth of Mental Health Services at Community Health Centers. *Adm Policy Ment Health* 2019; 46:670-677.
- J96. **Bruckner TA**, Kane JB, Gailey S. Strong Upward Neighborhood Mobility and Preterm Birth: a Sibling Design Approach. *Annals of Epidemiology* 2019; 36: 48-54.
- J95. Singh P, Chakravarthy B, Yoon J, Snowden L, **Bruckner TA**. Psychiatric-Related Revisits to the Emergency Department Following Rapid Expansion of Community Mental Health Services. *Academic Emergency Medicine* 2019; 26:1336-1345.

- J94. Noymer A, Ima AM, **Bruckner TA**, Nguyen TT. Race and life expectancy in the United States in the Great Depression. *Genus* 2019; 75(1):16.
- J93. **Bruckner TA**, Singh P, Yoon J, Chakravarthy B, Snowden L. Psychiatric Emergency Department Visits after Regional Expansion of Community Health Centers. *Psychiatric Services* 2019; 70:901-906.
- J92. **Bruckner TA**, Lebreton É, Perrone N, Mortensen L, Blondel B. Preterm Birth and Selection *in utero* among Males Following the November 2015 Paris Attacks. *International Journal of Epidemiology* 2019; 48; 1614-1622.
- J91. Sheridan S, Ilango S, **Bruckner TA**, Wang Q, Basu R, Benmarhnia T. Ambient fine particulate matter and preterm birth in California: identification of critical exposure windows. *Am J Epidemiology* 2019; 188; 1608-1615.
- J90. **Bruckner TA**, Singh P, Mortensen LH, Løkke A. The stillbirth sex ratio as a marker of population health among live-born males in Denmark, 1835-1923. *Am J Human Biology* 2019; 31 (3), e23241.
- J89. Gailey S, **Bruckner TA**. Obesity among black women in food deserts: An "omnibus" test of differential risk. *Soc Sci Med - Population Health* 2018; 7, 100363.
- J88. Blebu, Ro A, Kane JB, **Bruckner TA**. An Examination of Preterm Birth and Residential Social Context among Black Immigrant Women in California, 2007 – 2010. *J Community Health* 2018; 44: 857-865.
- J87. Downing J, **Bruckner TA**. Subprime Babies: The Foreclosure Crisis and Initial Health Endowments. *RSF: The Russell Sage Foundation Journal of the Social Sciences* 2018; 5 (2): 123-140.
- J86. Carpenter CS, **Bruckner TA**, Domina T, Gerlinger J, Wakefield S. Effects of State Education Requirements for Substance Use Prevention. *Health Economics* 2019; 28 (1), 78-86.
- J85. Catalano R, Gemmill A, **Bruckner TA**. A Test of Famine-Induced Developmental Programming In Utero. *Journal of Developmental Origins of Health and Disease* 2019;10(3):368-375.
- J84. **Bruckner TA**, Gailey S, Hallman S, Amorevieta-Gentil M, Dillon L, Gagnon A. Epidemic cycles and environmental pressure in colonial Quebec. *Am J Hum Biol* 2018: e23155 [Epub ahead of print].
- J83. **Bruckner TA**, Catalano R. Selection in utero and Population Health: Theory and Typology of Research. *Soc Sci Med - Population Health* 2018; 5:101-113.

- J82. Ahn Y, Park J, **Bruckner TA**. Do local employment centers modify the association between neighborhood urban form and individual obesity? *E&PA: Economy and Space* 2018 (epub ahead of print: <https://doi.org/10.1177/0308518X18765478>).
- J81. Trinh NTH, Chahwakilian P, **Bruckner TA**, Sclison S, Levy C, Chalumeau M, Milic D, Cohen R, Cohen JF. Discrepancies in national time trends of outpatient antibiotic utilization using different measures: a population-based study in France. *J Antimicrob Chemother* 2018; 73(5): 1395-1401.
- J80. Scheffler RM, Campbell J, Cometto G, Maeda A, Liu J, **Bruckner TA**, Arnold DA, Evans T. Forecasting imbalances in the global health labor market and devising policy responses. *Human Resources for Health* 2018; 16:5.
- J79. Catalano R, **Bruckner T**, Avalos LA, Stewart H, Karasek D, Kariv S, Gemmill A, Saxton K, Casey J. Understanding periviable birth: A microeconomic alternative to the dysregulation narrative. *Social Science & Medicine* 2017 (doi: 10.1016/j.socscimed.2017.12.014).
- J78. Catalano RA, **Bruckner TA**, Karasek D, Yang W, Shaw G. Reproductive suppression, birth defects, and periviable birth. *Evolutionary Applications* 2018; 11:762-767.
- J77. Singh AS, Saphores JD, **Bruckner TA**. A Spatial Hedonic Analysis of the Housing Market around a Large, Failing Desert Lake: The Case of the Salton Sea in California. *Journal of Environmental Planning and Management* 2018 (doi: 10.1080/09640568.2017.1405799).
- J76. Lubens P, **Bruckner TA**. A Review of Military Health Research using a Social-Ecological Framework. *American Journal of Health Promotion* 2018; 32:1078-1090.
- J75. **Bruckner TA**, Mortensen LH, Catalano RA. Social and Demographic Drivers of Trend and Seasonality in Elective Abortions in Denmark. *BMC Pregnancy and Childbirth* 2017; 17(1): 214.
- J74. Singh P, Yang W, Shaw G, Catalano R, **Bruckner TA**. Selected Birth Defects among Males Following the US Terrorist Attacks of September 11, 2001. *Birth Defects Research Part A* 2017; 109 (16): 1277-1283
- J73. Harper S, **Bruckner TA**. Did the Great Recession increase suicides in the USA? Evidence from an Interrupted Time Series analysis. *Annals of Epidemiology* 2017; 27(7): 409-14.
- J72. **Bruckner TA**, Karasek D, Yang W, Shaw GM, Catalano RA.

Cohort variation in selection during pregnancy and risk of selected birth defects among males. *Epidemiology*. 2017; 28: 580-586.

- J71. Benmarhnia T, Huang J, Basu R, Wu J, **Bruckner TA**. Decomposition Analysis of Black-White Disparities in Birth Outcomes: The Relative Contribution of Air Pollution and Social Factors in California. *Environmental Health Perspectives* 2017;125(10):107003.
- J70. Liu J, Goryakin Y, Maeda A, **Bruckner T**, Scheffler R. Global health workforce labor market projections for 2030. *Human Resources for Health*, 2017;15(1):11. (Erratum published 2017, *Human Resources for Health*, 15:18.)
- J69. Scheffler RM, Cometto G, Tulenko K, **Bruckner T**, Liu J, Keuffel EL, Preker A, Stilwell B, Brasileiro J, Campbell J. Health workforce requirements for universal health coverage and the Sustainable Development Goals – Background paper N.1 to the WHO Global Strategy on Human Resources for Health: Workforce 2030. *Human Resources for Health* 2016: 17.
- J68. Catalano RA, **Bruckner TA**. Clear and simple: No association between the Great Recession and Period Life Expectancy at Birth in the United States [letter to the Editor]. *Int J Epidemiol*. 2016 (online Sept 15 2016: doi: 10.1093/ije/dyw205).
- J67. Kim Y, **Bruckner TA**. Political fragmentation and widening disparities in African-American and white mortality, 1972–1988. *Soc Sci Med - Population Health* 2016 (2); 399-406.
- J66. Ahern J, Karasek D, Luedtke AR, **Bruckner TA**, van der Laan MJ. Racial/Ethnic Differences in the Role of Childhood Adversities for Mental Disorders Among a Nationally Representative Sample of Adolescents. *Epidemiology*. 2016 Sep;27(5):697-704.
- J65. Timberlake DS, **Bruckner TA**, Ngo V, Nikitin D. The Reach and Impact of Direct Marketing via Brand Websites of Moist Snuff. *Tobacco Regul Sci* 2016;2: 153-65.
- J64. Lee EH, **Bruckner TA**. Threats to security and ischaemic heart disease deaths: the case of homicides in Mexico. *Int J Epidemiol*. 2016 Jun 10. pii: dyw110. [Epub ahead of print]
- J63. **Bruckner TA**, Mortensen LH, Catalano RA. Bruckner et al. Respond to "Preventable Pregnancy Loss Is a Public Health Problem". *Am J Epidemiol*. 2016;183(8):713-4.
- J62. **Bruckner TA**, Mortensen LH, Catalano RA. Spontaneous Pregnancy Loss in Denmark Following Economic Downturns. *Am J Epidemiol*. 2016;183(8):701-8.

- J61. Catalano R, **Bruckner TA**, Karasek D, Adler NE, Mortensen LH. Shared risk aversion in spontaneous and induced abortion. *Hum Reprod*. 2016;31(5):1113-9.
- J60. **Bruckner TA**, Yoon J, Gonzales M. Cardiovascular Disease Mortality of Medicaid Clients with Severe Mental Illness and a Co-occurring Substance Use Disorder. *Adm Policy Ment Health* 2016 Feb 13. [Epub ahead of print]
- J59. **Bruckner TA**, Mayo J, Gould JB, Stevenson D, Lewis DB, Shaw GM, Carmichael SL. Heightened risk of preterm birth and growth restriction after a first-born son. *Annals of Epidemiology* 2015; 25:743-7.
- J58. Chakravarthy B, Yang A, Ogbu U, Kim C, Iqbal A, Haight J, Anderson C, DiMassa G, **Bruckner T**, Bhargava R, Schreiber M, Lotfipour S. Determinants of Pediatric Psychiatry Length of Stay in 2 Urban Emergency Departments. *Pediatr Emerg Care* 2015 Sep 24. [Epub ahead of print]
- J57. Carpenter CS, **Bruckner TA**, Domina T, Gerlinger J, Wakefield S. State Education Standards for Tobacco Prevention and Classroom Instruction. *Health Behavior and Policy Review* 2015; 5: 352-361.
- J56. **Bruckner TA**, Helle S, Bolund E, Lummaa V. Culled males, infant mortality and reproductive success in a pre-industrial Finnish population. *Proc Biol Sci*. 2015 Jan 22;282(1799):20140835.
- J55. **Bruckner TA**, Kim Y, Lubens P, Singh A, Snowden L, Chakravarthy B. Emergency Mental Health Services for Children After the Terrorist Attacks of September 11, 2001. *Adm Policy Ment Health*. [2015 Jan 9. Epub ahead of print] 2016: 43(1):44-51.
- J54. **Bruckner TA**. Invited Commentary: Are There Unrealized Benefits of Unemployment Insurance Among the Employed? *American Journal of Epidemiology* 2014 (doi: 10.1093/aje/kwu104).
- J53. **Bruckner TA**. Cheng Y, Singh AS, Caughey AB. Economic downturns and male cesarean deliveries: a time-series test of the economic stress hypothesis. *BMC Pregnancy and Childbirth* 2014 (doi:10.1186/1471-2393-14-198).
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- J49. **Bruckner TA**, McClure CB, Kim Y. A Time-Series Analysis of Google Searches for Suicide and the Risk of Completed Suicide in England and Wales, 2004-2010. [Letter] *Psychiatric Services* 2014; 65:271-2 (Methods and Results supplement appear online).
- J48. **Bruckner TA**, Rehkopf DR, Catalano R. Income Gains and Very Low Weight Birth among Low-income Black Mothers in California. *Biodemography and Social Biology* 2013; 59:141-56.
- J47. **Bruckner TA**, Domina T, Hwang JK, Gerlinger G, Carpenter C, Wakefield S. State-level education standards for substance use prevention programs in schools: a systematic content analysis. *Journal of Adolescent Health* 2013; 54(4), 467-73.
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- J43. **Bruckner TA**, Nobles J. Intrauterine stress and male cohort quality: The case of September 11, 2001. *Social Science & Medicine* 2013; 76:107-114. (Selected as "Editor's Choice" article)
- J42. **Bruckner TA**, Saxton KB, Pearl M, Currier R, Kharrazi M. A test of maternal human chorionic gonadotropin during pregnancy as an adaptive filter of human gestations. *Proceedings of the Royal Society B: Biological Sciences* 2012; 279:4604-4610.
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- J40. Scheffler RM, **Bruckner TA**, Spetz J. The labour market for human resources for health in low- and middle-income countries. *Human Resources for Health Observer* 2012;11. (ISBN 978 92 4 150 391 4)
- J39. Catalano RA, Margerison-Zilko C, Goldman-Mellor S, Pearl M, Anderson E, Saxton K, **Bruckner T**, Subbaraman M, Goodman J, Epstein M, Currier R, Kharrazi M. Natural selection *in utero* induced by mass layoffs: the hCG evidence. *Evolutionary Applications* 2012;5(8): 796-805.
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- J33. Scheffler RM, **Bruckner TA**, Fulton BD, Yoon J, Shen G, Chisholm D, Morris J, Dal Poz MR, Saxena S. Human resources for mental health: Workforce shortages in low- and middle-income countries. *Human Resources for Health Observer* 2011;8 (ISBN 978 92 4 150101 9).
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- J29. **Bruckner TA**, Yoon J, Brown TT, Adams N. Involuntary Civil Commitments after the Implementation of California's Mental Health Services Act. *Psychiatric Services* 2010; 61:1006-11.
- J28. **Bruckner TA**, Snowden L, Subbaraman M, Brown TT. Economic Antecedents of Medicaid financed Mental Health Services among Youths in California. *International Journal of Mental Health* 2010 39(2); 75-91.
- J27. Mann JK, Balmes JR, **Bruckner TA**, Mortimer KM, Margolis HG, Pratt B, Hammond SK, Lurmann F, and Tager IB. Short-Term Effects of Air Pollution on Wheeze in Asthmatic Children in Fresno, California. *Environmental Health Perspectives*. 2010 118(10):1497-1502.
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- J23. **Bruckner TA**, Saxton, K., Anderson E, Goldman S, Gould JB.. From Paradox to Disparity: Trends in Neonatal Death among Very Low Weight Black and White Infants, 1989-2004. *Journal of Pediatrics* 2009; 155: 482-7.
- J22. Yoon J, **Bruckner TA**. Does Deinstitutionalization Increase Suicide? *Health Services Research* 2009;44(4):1385-405
- J21. **Bruckner TA**, Catalano R. Infant mortality and diminished entelechy in three European birth cohorts. *Social Science and Medicine* 2009; 68:1617-24.
- J20. Catalano R, Ahern J, **Bruckner T**, Anderson E, Saxton K. Gender Specific Selection In Utero Among Contemporary Human Birth Cohorts. *Pediatric and Perinatal Epidemiology* 2009;23(3):273-8.

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- J18. **Bruckner TA**. Metropolitan economic decline and infant mortality due to unintentional injury. *Accident Analysis and Prevention* 2008;40(6):1797-803.
- J17. **Bruckner TA**. Economic antecedents of prone infant sleep placement among black mothers. *Annals of Epidemiology* 2008;18(9):678-81.
- J16. **Bruckner TA**, Cheng Y, Caughey A. Elevated neonatal mortality among post-term births in California. *American Journal of Obstetrics and Gynecology* 2008;199(4):421.e1-7.
- J15. Cheng YW, Nicholson JM, Nakagawa S, **Bruckner TA**, Washington AE, Caughey AB. Perinatal outcomes in low-risk term pregnancies: do they differ by week of gestation? *American Journal of Obstetrics and Gynecology* 2008 Oct;199:370.e1-7.
- J14. Catalano R, **Bruckner T**, Smith K. Ambient temperature affects sex ratios and male longevity through selection in utero. *Proceedings of the National Academy of Sciences U S A* 2008;105(6):2244-7.
- J13. **Bruckner T**, Catalano R. The secondary sex ratio and age-specific male mortality: evidence for culling in utero. *American Journal of Human Biology* 2007; 19(6):763-73.
- J12. Eskenazi B, Marks AR, Catalano R, **Bruckner T**, Toniolo PG. Low birthweight in New York city and upstate New York following the events of September 11th. *Human Reproduction* 2007;22(11):3013-20.
- J11. **Bruckner T**, Ambalavanan N, Carlo W, Gould J. Neonatal mortality among low birth weight infants during the initial months of the academic year. *Journal of Perinatology* 2008;28(10):691-5.
- J10. **Bruckner T**, Catalano R. Economic antecedents of sudden infant death syndrome. *Annals of Epidemiology* 2006;16(6):415-22.
- J9. Catalano R, **Bruckner T**. Male lifespan and the secondary sex ratio. *American Journal of Human Biology* 2006;18(6):783-90.
- J8. Catalano R, **Bruckner T**. Secondary sex ratios and male lifespan: damaged or culled cohorts. *Proceedings of the National Academy of Sciences U S A* 2006;103(5):1639-43.

- J7. Catalano R, **Bruckner T**, Marks A, Eskenazi B. Exogenous shocks to the human sex ratio: The case of September 11th in New York City. *Human Reproduction* 2006; 21(12):3127-31.
- J6. Catalano R, **Bruckner T**. Child mortality and cohort lifespan: a test of diminished entelechy. *International Journal of Epidemiology* 2006; 35(5):1264-9.
- J5. Catalano R, **Bruckner T**, Hartig T, Ong M. Population stress and the Swedish sex ratio. *Paediatric and Perinatal Epidemiology* 2005; 19(6):413-20.
- J4. Catalano R, **Bruckner T**, Anderson E, Gould JB. Fetal death sex ratios : a test of the economic stress hypothesis. *International Journal of Epidemiology* 2005; 34:944–948.
- J3. Catalano R, **Bruckner T**, Gould J, Anderson EA, Eskenazi B. Sex ratios in California following the terrorist attacks of September 11, 2001. *Human Reproduction* 2005; 20(5):1221-7.
- J2. Catalano RA, **Bruckner T**. Economic antecedents of the Swedish sex ratio. *Social Science and Medicine* 2005;60(3):537-43.
- J1. Ruiz JD, Molitor F, **Bruckner T**, Zukowski D. Ethnic disparity in HIV prevalence and zidovudine treatment among childbearing women and pediatric AIDS cases in California. *AIDS* 2002;16(18):2469-72.

### Book Chapters and Encyclopedia Entries

- BC8. **Bruckner T**, Lee E, Alquinaibet, et al. (2022). Forecasting the Health Burden of NCDs in Saudi Arabia. In: Noncommunicable Diseases in Saudi Arabia: Toward Effective Interventions for Prevention. A Alquinaibet, CH Herbst, S El-Saharty, A Algwizani, Eds. World Bank Group.
- BC7. Lee E, **Bruckner T**, Alluhidan M, et al. (2022). Forecasting the Health Burden of Overweight and Obesity on Noncommunicable Diseases in Saudi Arabia. In Overweight and Obesity in Saudi Arabia: Consequences and Solutions. M Alluhidan, RF Alsukait, T Algaith, M Shekar, N Alazemi, C Herbst, Eds: World Bank Group.
- BC6. Cometto G, Scheffler R, **Bruckner T**, Liu J, Maeda A, Tomblin-Murphy G, Hunter D, Campbell J. (2017). Health workforce needs, demand and shortages to 2030: an overview of forecasted trends in the global health labour market. In

Health Employment and Economic Growth: An Evidence Base. J Buchan, IS Dhillon, Campbell J Eds. Geneva: World Health Organization.

- BC5. **Bruckner T**, Liu J, and Scheffler RM. (2016). Demand-Based and Needs-Based Forecasts for Health Workers , in R. M. Scheffler, C. H. Herbst, C. Lemiere and J. Campbell (eds), Health Labor Market Analyses in Low- and Middle-Income Countries, Washington, DC: International Bank for Reconstruction and Development/The World Bank, 49-67.
- BC4. Tulenko, K., A. El Maghraby, A. Soucat, A. Preker and **T. Bruckner** (2016), ‘Measuring and analyzing production supply’, in R. M. Scheffler, C. H. Herbst, C. Lemiere and J. Campbell (eds), Health Labor Market Analyses in Low- and Middle-Income Countries, Washington, DC: International Bank for Reconstruction and Development/The World Bank, 69–84.
- BC3. **Bruckner TA**. Life Expectancy. In: “Wiley Blackwell Encyclopedia of Sociology, 2nd Edition.” (Ritzer G., Ed). (Accepted Jan 2016; to be published 2018).
- BC2. Snowden L, **Bruckner T**. Economic Contractions’ Neglected Impact on African American’s Mental Health. In: Yeakey C, Thompson V, Wells A (eds.). *Urban Ills: Twenty First Century Complexities of Urban Living in Global Contexts*. Lexington Books, Kentucky, 2013.
- BC1. Catalano R, Ahern J, **Bruckner T**. Estimating the health effects of macrosocial shocks: a collaborative approach. In: Galea, S. (ed.). *Macrosocial Determinants of Health*. Springer; New York, 2008.

## Reports

- R4. **Bruckner T**, Liu J, Lin T. Tool to assess impact of human resources for health investments on HIV, TB and malaria services and health outcomes. Geneva: World Health Organization; 2022 (Human Resources for Health Observer Series No. 27). License: CC BY-NC-SA 3.0 IGO.
- R3. Liu JX, Goryakin Y, Maeda A, **Bruckner TA**, Scheffler RM. Global health workforce labor market projections for 2030. World Bank Policy Research Working Paper WPS7790. (Available at: <http://documents.worldbank.org/curated/en/546161470834083341/Global-health-workforce-labor-market-projections-for-2030>). Accessed on 8/12/16.
- R2. Scheffler RM, **Bruckner TA**, Fulton BD, Yoon J, Shen G, Chisholm D, Morris J, Dal Poz MR, Saxena S. Human resources for Mental Health: Deficits in Low- and Middle-Income Countries: preliminary assessment. In “O Trabalho em

Saude: abordagens quantitativas e qualitativas.” (translation: Health Work: quantitative and qualitative approaches.”) Pierantoni CR, Dal Poz MR, and Franca T (Eds). May 2011.

- R1. Brown TT, Chung, J.J., Choi S, **Bruckner TA**, Felton MC, Scheffler RM. An Evaluation of the Full-Service Partnership Program in the Public Mental Health System in California. Petris Report # 2010-4. The Impact of the Mental Health Services Act on Emergency Interventions and Involuntary Hospitalizations: University of California, Berkeley; 2010.

## PRESENTATIONS

“Psychiatric Emergences in Los Angeles County following COVID-19 related Societal Restrictions.” Society for Epidemiological Research Conference, Chicago, IL, 15 June 2022.

“Hospital-based Surveillance of SARS-CoV-2 Seroprevalence in the Pre-Vaccine Era.” Society for Epidemiological Research Conference, Chicago, IL, 15 June 2022.

“Patterned Outcomes, Unpatterned Counterfactuals, and Spurious Results: Perinatal Outcomes following COVID-19 Societal Restrictions.” Society for Perinatal Epidemiological Research Conference, Highlighted Plenary Speaker, Chicago, IL, 14 June 2022.

“Paradigms and Paradoxes in Health Disparities.” Boston University School of Public Health, Boston, MA, 21 March 2022.

“Surveillance, Sampling, and Social Inequalities: Lessons Learned from Early in SARS-CoV-2.” Minnesota Population Center Seminar Series, Minneapolis, MN, 7 February 2022.

“The Second Wave? Mental Health during COVID-19.” UCI Department of Psychological Sciences, Brown Bag Seminar, 25 October 2021.

“Mental Health Workforce Development in Middle Eastern and North Africa (MENA) Region.” World Bank and the Health Council of the Kingdom of Saudi Arabia, 13 December 2021.

“Birth outcomes following unexpected job loss: a matched sibling design.” Society for Perinatal Epidemiology Research, 21 June 2021 (virtual mtg).

“Sildenafil and Suicides in Sweden.” Population Association of America Meeting (held virtually), 7 May 2021.

“Understanding racial/ethnic differences in chronic lung disease among preterm infants.” Stanford Perinatology Group, Stanford University, 1 June 2020.

“A surveillance-based approach to estimating uncounted COVID-19 cases.” UCI CRAFT COVID Committee, UC Irvine, 11 May 2020.

“Intersections Between Econometric and Epidemiologic Methods for Assessing Impact of Policies and Interventions on Population Health.” Webinar, jointly sponsored by the Society for Epidemiologic Research and the Interdisciplinary Association of Population Health Sciences, 29 April 2020.

“Antecedents of Strong Upward and Downward Residential Mobility among Young Women in California.” Population Association of America Annual Meeting (held virtually), 23 April 2020.

“Does expansion of Community Health Centers reduce mental health emergencies?” Oregon State University College of Public Health and Human Sciences, Department of Health Management and Policy, Corvallis, Oregon, 24 January 2020.

“Selection in utero and infant health: a population perspective.” Oregon Health Sciences University, Portland, Oregon, 23 January 2020.

“Mental health following ambient changes and life-course events.” Interdisciplinary Association of Population Health Sciences Annual Meeting, Seattle, WA, 3 October 2019.

“Health Workforce Staffing in KSA to 2030.” Kingdom of Saudi Arabia, Ministry of Health, Riyadh, Saudi Arabia, 17 September 2019.

“Human Resources for Health: Towards a National HRH Strategy.” Kingdom of Saudi Arabia, Saudi Health Council, Riyadh, Saudi Arabia, 15 September 2019.

“Strong Upward Neighborhood Mobility and Reduced Preterm Birth in California: A Sibling Design Approach.” Population Association of America Annual Meeting, Austin, TX 12 April 2019.

“Causes of Adverse Birth Outcomes.” Population Association of America Annual Meeting, Austin, TX, 11 April 2019.

“Emergency Department Visits after Expansion of Community Health Centers.” Fourteenth Workshop on Costs and Assessment in Psychiatry, Venice, Italy, 29 March 2019.

“Global Mental Health: Problems and Prospects.” California State University, San Bernadino, School of Medicine, 30 November 2018.

“Sex-specific responses *in utero* to the November 2015 Paris terrorist attacks.” Center for Demographic and Social Analysis, UC Irvine, 14 November 2018.

“Selection and Scarring over the Life Course.” Interdisciplinary Association of Population Health Sciences Annual Meeting, Washington, D.C., 3 October 2018.

“Racial/Ethnic Differences in Psychiatric ED Visits among Youth after Expansion of Community Health Centers.” 24<sup>th</sup> Mental Health Services Research Conference (MHSR), NIMH, Bethesda, MD, 1 August 2018.

“Down syndrome among primiparae at older maternal age: a test of relaxed selection.” Society for Perinatal Epidemiological Research Annual Meeting, Baltimore MD, 19 June 2018.

“Preterm birth and selection in utero among males following the November 2015 Paris attacks.” Society for Epidemiological Research Annual Meeting, Baltimore MD, 20 June 2018.

“Preterm Birth after the November 2015 Paris Attacks: A Test of Communal Bereavement.” Population Association of America Annual Meeting, Denver, CO, 28 April 2018.

“Ecological Shocks and Cardiovascular Disease Mortality.” Cardiovascular Epidemiology Seminar Series, University of California, San Diego, 2 March 2018.

“Cohort variation in selection *in utero*: evidence from California and France.” MPC Population Center Seminar Series, University of Minnesota, Minneapolis, 12 Feb 2018.

“Sex-specific responses in utero to the November 2015 Paris terrorist attacks.” C-DASA Seminar Series, Department of Sociology, UCI, 14 Nov 2017.

“Temporal Variation in Spontaneous and Elective Abortions in Denmark.” INED, Centre de recherche en épidémiologie et santé des populations, Paris, France, 15 June 2017

“Time Series Applications in Perinatal Epidemiology.” Perinatal Epidemiology Group, French National Health Institute (INSERM), Paris, France, 6 June 2017.

“ARIMA Time-Series for Forecasting, Surveillance, and Analysis of Change.” IMS Quintiles Corporate Headquarters, Paris France, 2 June 2017

“Selection against males *in utero* and life histories in historical Quebec.” CNRS Institut des Sciences Humaines et Sociales, Paris, France, 30 Jan 2017.

“Turning money into hope? Subjective survival after an income shock.” Kings College London, Division of Social Science and Public Policy, London, England, 24 Jan 2017.

“Spontaneous Pregnancy Loss following Economic Downturns in Denmark.” Economics and Human Biology Conference, Tübingen, Germany, 16 Oct 2016.

« Disparition des garçons fragiles? Perte des fœtus de sexe masculin pendant la grossesse. » Perinatal Epidemiology Group, French National Health Institute (INSERM), Paris, France, 3 October 2016.

“Spontaneous Pregnancy Loss following Economic Downturns in Denmark.” Population Association of America Annual Conference, Washington DC, 31 March 2016.

“Confounding by a common cause in social epidemiology.” University of California, Riverside Institute of Public Policy, Invited Seminar on Poverty, Riverside, CA, 18 February 2016.

“The virulence of a first-born male.” Society for Epidemiologic Research Annual Conference, Denver, CO, 22 June 2015.

“Income shocks and economic downturns during pregnancy: a nuanced picture.” University of North Carolina School of Public Health, Department of Epidemiology, Invited Seminar, Chapel Hill, NC. 19 May 2015.

“Sex ratios and age-specific mortality: A test of Hamilton’s hypothesis.” Population Association of America Annual Conference. San Diego, CA. 30 April 2015.

“Needs-Based Forecasts of Health Workers in Low and Middle Income Countries.” World Health Organization, Geneva, Switzerland, 15 April 2015.

“Culled cohorts in utero and health over the life course.” University of North Carolina, Carolina Population Center Seminar, Chapel Hill, NC. 3 April 2015.

”Sex ratios and reproductive success in an historical Finnish population.” Université de Montréal, Demography Seminar, Montreal CA. 20 Nov 2014.

Temperature mismatch: ambient temperature *in utero* and cold-related death in Sweden. McGill University Population Health Seminar, Montreal, CA. 19 Nov 2014

"Behavioral and biological insights from economic perturbations", University of Edinburgh Conference: Socio-Economic Determinants of Health, Edinburgh, Scotland. 5 Sep 2014.

"Stressors in utero and cohort health: selection, damage, or plasticity?", Max Planck Institute for Demographic Research, Munich, Germany. 6 Feb 2014.

"The virulence of a first-born male", Stanford University, March of Dimes Prematurity Research Group, Palo Alto, CA. 18 Nov 2013.

"Cold ambient temperature *in utero* and birth outcomes in Uppsala, Sweden." XXVII IUSSP International Population Conference, Busan, South Korea, 30 Aug 2013.

"Cold ambient temperature in utero and risk of stillbirth in historical Sweden", Population Association of America, New Orleans, Louisiana. 11 April 2013.

"Warm to cold temperature oscillations and heart disease mortality", Population Association of America, New Orleans, Louisiana. 12 April 2013.

"Ambient Temperature During Gestation and Cold-related Adult Mortality in a Swedish Cohort, 1915-2002." Duke University Population Research Institute, Durham, NC, 21 February 2013

"Life expectancy during the great depression in eleven European countries." European Population Conference, Stockholm, Sweden, 14 June 2012

"Racial/Ethnic Differences in Children's Mental Health: The Role of Economic Downturns." Population Association of America, San Francisco, CA, 3 May 2012

"Ecological causes and life-course consequences of sex ratio variation in humans." Department of Ecology and Evolution Seminar Series, University of California, Irvine, 27 April 2012

"hCG: an evolutionarily adaptive filter?" Program in Community Health Brown Bag Seminar, University of California, Berkeley, 9 March 2012

"Intrauterine stress and male cohort quality: the case of September 11, 2001." Department of Sociology, Population, Society and Inequality Seminar Series, University of California, Irvine, 15 November 2011

"Time Series Forecasting: Applications to the Health Workforce." University of the State of Rio de Janeiro, Training Program on Health Workforce Analysis and Planning, Rio de Janeiro, Brazil, 11 August 2011

"Positive income shocks and accidental deaths among Cherokee Indians: a natural experiment." Population Association of America, Washington, DC, 31 March 2011

"Economic Downturns and Mortality: Historical and Contemporary Perspectives." University of Mannheim, Germany, Department of Economics, Alexander von Humboldt Seminar Series. 15 November 2010

"Economic Downturns, Policy Change, and Mental Health in California." University of California, Irvine, Department of Psychology and Social Behavior, Colloquium Series. 25 October 2010.

"Time Series Forecasting of Health Services." UC Berkeley, Human Resources for Health Labor Markets Course 8 August 2010

"The World Health Organization's Mental Health Workforce Case Study." UC Berkeley, Human Resources for Health Labor Markets Course 9 August 2010

“Positive Income Shocks and Very Preterm Births among Black Mothers in California,” Population Association of America, Dallas, TX, Spring 2010.

“Male lifespan following exposure to benign ambient temperature in utero and cold temperature in childhood,” XXVI IUSSP International Population Conference, Marrakech, Morocco, Fall 2009

“Does Deinstitutionalization Increase Suicide?” AcademyHealth Annual Conference, Washington, D.C., Summer 2008

“Metropolitan economic decline and infant mortality due to unintentional injury”, Population Association of America Annual Meetings, New Orleans, LA, Spring 2008

“Forecasting Costs for the California Department of Mental Health’s Early and Period Screening, Detection, and Treatment Program”, California State Budget Legislative Committee, Sacramento, CA Spring 2008

“Increased Neonatal Mortality among Post-term Births in California”, Society for Maternal-Fetal Medicine Annual Conference, Dallas, TX, Winter 2008

“Ambient Temperature Predicts Sex Ratios and Male Longevity through Selection *In Utero*”, Demography Lecture Series, UC Berkeley, Winter 2008

“Epidemiologic Methods to Control for Confounding due to Social Selection”, Fogarty International Mental Health Conference, UC Berkeley, Winter 2008

“A Time-Series Test of Diminished Entelechy in Birth Cohorts”, IUSSP Conference on Longevity: Early-life Conditions, Molle, Sweden, Summer 2006

### **Journal Refereeing**

British Medical Journal, The Lancet, American Journal of Epidemiology, Journal of Epidemiology and Community Health, Epidemiology, International Journal of Epidemiology, Annals of Epidemiology, BMJ Open, Environmental Health Perspectives, Biomed Central Public Health, Biomed Central Pregnancy and Childbirth, Paediatric and Perinatal Epidemiology, Psychiatric Services, Psychiatric Research, Environment International, International Journal of Environmental Research, Early Human Development, Social Science & Medicine, Demography, European Journal of the Population, Social Forces, Lancet Planetary Health, Public Health Reports, British Journal of Obstetrics and Gynecology, PLOS One, American Journal of Human Biology, Biodemography and Social Biology, Population Research Quarterly, The Sociological Quarterly.

### **GRANT REFEREEING**

National Institutes of Health (2015-present)

Swiss National Science Foundation (2012)

Representation Office of Denmark & the Royal University of Bhutan (2011)

Fogarty International Center, NIH, Global Health Equity Scholars Program (2013-16)

## **COURSES TAUGHT**

University of California, Irvine: SE 200 Seminar in Social Ecology  
Graduate Course: ~ 30 students per year (2013-2016)

University of California, Irvine: PPD 228 Demography for Planning and Policy  
Graduate Course: ~ 20 students per year (2013-2016)

University of California, Irvine: PPD 112 / PH 125 Foundations of Community Health  
Undergraduate Course: ~117 students per year (2009-2015, 2018-present)

University of California, Irvine: PPD 243 / PH 222 Health Management and Policy  
Graduate Course: ~37 students per year (2009- 2018)

University of California, Irvine: PPD 297 Research Design  
Graduate Course: ~11 students per year (2004-2014)

University of California, Irvine: PH 297 Research Design in Public Health  
Graduate Course: ~13 students per year (2017-present)

### Other

University of the State of Rio de Janeiro: Training Program on Health Workforce Analysis.  
Executive-level and Graduate Course: 32 students, Summer 2011

Guest Lecturer, Urban and Regional Planning Course (2010, 2011, 2012, 2013, 2014, 2019, 2020)

Guest Lecturer, Global Health PH 282 course (2012, 2013, 2014)

Guest Lecturer, Health Promotion PH 144 course (Winter 2011)

## **STUDENT ADVISING**

- Current Primary doctoral advisor for: Abhery Das, Shutong Huo, Brenda Bustos, Jason Bonham
- Past Doctoral dissertation chair for: I-cha Lee, Yonsu Kim, Amrita Singh, Parvati Singh, Samantha Gailey
- On oral defense committee or dissertation committee for: Gabrielle Gussin, Ngosi Nwosisi, Bridgette Blebu, Annika Nelson, Hiroshi Ishikawa, Yunwen Feng (Engineering), Jordan Castro (Chemistry), Manasvi Sharma (Economics), Parvati Singh, Steven Spears, Hsin-Ping Hsu, Angela Sanguinetti, Courtney Reynolds Murphy, Victoria Lowerson, Dongwoo Yang, Gaby Abdel-Salaam, Gavin Ferguson, Raheleh Khorsan, Anabel Gunter (Université de Montréal), Jennifer Duer (Education), Alex Marr (Economics), Michael Russell (PSB), Svetlana Bershadsky (PSB), Valerie Jarry

(Université de Montréal), Védís Helga Eiríksdóttir (University of Iceland), Annika Nelson (Ecology & Evolution), Elizabeth Maloney (Economics)

- Master's advisor for over 18 students
- Research Advisor for Undergraduate Honors Program: Mudit Buch, Emily Guy, Anika Akhter, Jacobus Kos, Aileen Lee

### **PROFESSIONAL AFFILIATIONS**

Population Association of America, Interdisciplinary Association of Population Health Sciences, International Union for the Scientific Study in Population, Society for Epidemiologic Research, Society for Maternal and Fetal Medicine, Society for Perinatal Epidemiologic Research