

Tim A. Bruckner

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Teaching and Research Positions

2023-	Chancellor's Fellow, Program in Public Health
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

2024-	Vice Chair of Faculty, Joe C. Wen School of Population & Public Health
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

“Intervention Impacts on Child Wellbeing and Parenting across Generations”

NICHHD R01 9/1/24-6/30/29

Lansford (PI)

Role: Co-I

“Social, Health, and Welfare Implications of Postponement of Childbearing”

Rockwool Foundation 9/2024 – 8/2027

Role: PI

\$942,020

“Racial disparities in preterm births and fetal losses”

R01 (NICHHD) 8/2021- 6/2026

Role: PI

\$2,536,593

“Diversity Supplement: Racial disparities in preterm births and fetal losses”

R01 (NICHHD)

Role: PI 9/2022-9/2024

\$156,000

“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 (NICHHD) 10/2022- 9/2025 (no cost extension)

Role: PI

\$433,559

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

R21 (NIA) 10/2021- 9/2025 (no cost extension)

Role: PI

\$432,759

Completed

“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

“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)

- J187. **Bruckner TA**, Bustos B, Dodge KA, Lansford JE, Odgers CL, Copeland WE. Intergenerational effects of a casino-funded family transfer program on educational outcomes in an American Indian community. *Nature Communications* 2024 (in press).
- J186. Chakrabarti S, Gune S, **Bruckner TA**, Strominger J, Singh P. Toilet Construction under the Swachh Bharat Mission and Infant Mortality in India. *Scientific Reports* 2024 (in press).

- J185. **Bruckner TA**, Trinh N, Lelong N, Madani K, Slama R, Khoshnood B. Climate change and congenital anomalies: A population-based study of the effect of prolonged extreme heat exposure on the risk of neural tube defects in France. *Birth Defects Research* 2024 (in press).
- J184. Catalano R, Stolte A, Casey J, Gemmill A, Lee H, Bustos B, **Bruckner TA**. Vanishing twins, spared cohorts, and the birthweight of periviable infants born to Black and white mothers in the United States. *Science Advances* 2024 (in press).
- J183. Singh P, **Bruckner TA**, Carney-Knisely G, Fairchild A, Griffin M. Black emergency department visits for schizophrenia/psychosis following the police killing of George Floyd: An empirical test of “Protest Psychosis.” *Social Science & Medicine –Mental Health* 2024 (in press).
- J182. Das A, Osypuk T, Magnuson K, Yoo P, Gennetian L, **Bruckner TA**. Poverty reduction and childhood opportunity moves: a randomized trial of cash transfers to low-income U.S. families with infants. *Health and Place* 2024 (in press).
- J181. Stolte A, **Bruckner TA**. Data Collection and Accessibility in the Post-Dobbs Era. *Paediatric and Perinatal Epidemiology* 2024 (in press).
- J180. Stolte A, **Bruckner TA**. Male Twinning after the 2008 Obama Election: A Test of Symbolic Empowerment. *Social Science & Medicine* 2024 (in press).
- J179. Workforce Estimate to Treat Mental Disorders in the Kingdom of Saudi Arabia. HRH
- J178. Gailey S, Ncube C, Sadler R, **Bruckner TA**. Neighborhood Mobility and Racial Disparities in Preterm Birth: A Sibling Study in California. *Health and Place* 2024 (in press).
- J177. Shin G, Saadat S, Lotfipour S, Zakaria J, **Bruckner TA**, Chakravarthy B. The Trend of Substance Use Disorder-Related Emergency Department Visits in the Early 21st Century in California- A Study of 46 million Emergency Department visits. *The Permanente Journal* 2024 (in press).
- J176. Das A, Casey JA, Gemmill A, Catalano R, Lee H, Stolte A, Bustos B, **Bruckner TA**. Dynamic Changes in Place-Based Measures of Structural Racism and Preterm Birth in the US. *J Epid Comm Health* 2024 (in press).
- J175. Singh P, Catalano R, **Bruckner TA**. Racial disparities in law enforcement/court-ordered psychiatric inpatient admissions after the 2008 recession: a test of the frustration-aggression-displacement hypothesis. *Soc Psychiatry Psychiatr Epidemiol.* 2024 Feb 20

- J174. Catalano R, Bonham J, Gemmill A, **Bruckner TA**. Scarring *in utero*: an attempt to validate with data unconfounded by migration and medical care. *Epidemiology* 2024 (in press).
- J173. Bustos B, Lopez M, Dodge K, Lansford J, Copeland WE, Odgers CL, **Bruckner TA**. Family Cash Transfers in Childhood and Birthing Persons and Birth Outcomes Later in Life. *Social Science & Medicine—Population Health* 2024 (in press).
- J172. **Bruckner TA**, Huo S, Fresson J, Zeitlin J. Preterm births among male and female conception cohorts in France during initial COVID-19 societal restrictions. *Annals of Epidemiology* 2024 (in press).
- J171. **Bruckner TA**, Chakrabarthi S, Bustos B, Catalano RA, Gemmill A, Casey J, Lee H. Missing Black males among preterm births in the US, 1995 to 2019. *PLOS One* 2023 (in press).
- J170. Singh P, Das A, Gailey S, **Bruckner TA** National trends in suicides and male twin live births in the US, 2003 to 2019: an updated test of collective optimism and selection in utero. *Twin Research and Human Genetics* 2023 (in press).
- J169. Singh P, Gemmill A, **Bruckner TA**. Casino-based cash transfers and fertility among the Eastern Band of Cherokee Indians in North Carolina: A time-series analysis. *Economics and Human Biology* 2023 (in press).
- J168. Catalano R, **Bruckner TA**, Gemmill A, Margerison C. The pandemic preterm paradox: A test of competing explanations. *Am J Epid* 2023 (in press).
- J167. Timberlake D, **Bruckner T**, Pechmann C, Soroosh A, Simard B, Padon A, Silver L. Cannabis vape product sales in California following CDC’s initial advisory about lung injuries. *Cannabis and Cannabinoid Research* 2023 (in press).
- J166. Gordon M, Casey J, McBrien H, Hernandez D, Catalano R, Chakrabarti S, **Bruckner TA**. Disparities in Preterm Birth Following the July 1995 Chicago Heat Wave. *Annals of Epidemiology* 2023 (in press).
- J165. Goodman SH, Zahn M, **Bruckner TA**, Boden-Albala B, Hankin JR, Lakon CM. Sociodemographic Predictors of Viral Load Testing Among Hepatitis C Antibody-Positive Patients in a Large Southern California County: An Example of Health Care Inequalities. *Social Factors, Health Care Inequities and Vaccination* 2023 Aug 28 (Vol. 40, pp. 137-150).
- J164. **Bruckner TA**, Lin TK, Liu J, Bornemisza O, Ajuebor O; Diallo K, Cometto G. A novel approach to estimate the impact of health workforce investments on health outcomes through increased coverage of HIV, TB and malaria services.

Human Resources for Health 2023; 21:67 (<https://doi.org/10.1186/s12960-023-00854-0>).

- J163. Huo S, **Bruckner T**, Xiong G, Cooper E, Wade A, Neikrug A, Gagliardi J, McCarron R. Antidepressant Prescription Behavior among Primary Care Clinician Providers after an Interprofessional Primary Care Psychiatric Training Program. *Administration and Policy in Mental Health and Mental Health Services Research* 2023 (in press).
- J162. Margerison CE, Zamani-Hank Y, Catalano R, Hettinger K, Michling TR, **Bruckner TA**. Impacts of the 2021 Child Tax Credit Advance Payments on Low Birth Weight in the United States. *JAMA Network Open* 2023 (in press).
- J161. Morales C, **Bruckner TA**, Du S, Young A, Ro A. Changes in Acute ED Visits by Race/Ethnicity During the Early COVID-19 Pandemic. *Journal of Immigrant and Minority Health* 2023; 1-9
- J160. Catalano RA, Margerison C, Gemmill A, Casey J, Hartig T, **Bruckner TA**. A novel indicator of selection *in utero*. *Evolution, Medicine, and Public Health* 2022 (in press).
- J159. Das A, Morey BN, **Bruckner TA**. Mental health symptoms following the January 6th attack on the United States Capitol. *Social Science & Medicine* 2022 (in press).
- J158. Casey JA, Parks RM, **Bruckner T**, Gemmill A, Catalano RA. Excess injury mortality in Washington State during the 2021 heatwave. *Am J Pub Health* 2023 (in press).
- J157. Cardona M, Andersen LH, Fallesen P, **Bruckner TA**. Stress/Depression Across the COVID-19 Pandemic in Denmark. *BMC Public Health* 2023; 23(1): 169.
- J156. **Bruckner TA**, Gemmill A. Causes of ART-Related Outcomes in the COVID-19 Era. *Paediatric and Perinatal Epidemiology* 2023; 37(2):128-130.
- J155. Nieri T, Ramachandran M, **Bruckner TA**, Link B, Ayón C. Sanctuary city policies and Latinx immigrant mental health in California. *Social Science and Medicine—Population Health* 2023; 21: 101319.
- J154. Catalano RA, Casey JA, Gemmill A, **Bruckner TA**. Expectations of non-COVID-19 deaths during the pre-vaccine pandemic: A process-control approach. *BMC Public Health* 2023; 23 (1): 1-6.
- 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; e23830.

- 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; 1-9.
- 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.
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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.
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PRESENTATIONS

Talk at All UC Demography Conference, May 4, 2023, Cash Transfer paper

"Family Cash Transfers and Educational Outcomes in the Next Generation." Population Association of America Annual Conference, New Orleans, LA, 15 April 2023.

"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.” 24th 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