

Tim-Allen Bruckner

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Teaching and Research Positions

- 2015- Associate Professor, 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
- 2003 MPH, University of California, Berkeley, Epidemiology and Biostatistics
- 1998 BA, Dartmouth College, Biology; Minor certificate in Sociology

Research Interests

perinatal epidemiology, mental health services, interrupted time series methods

Peer-reviewed Publications (reverse chronological order)

- 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 (in press).
- 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 (in press).
- J107. Singh P, Chakrabarti S, **Bruckner TA**. Association Between Poor Sanitation and Growth measurements in Indian Children. *JAMA Network Open* 2020 (in press).
- 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 (in press).
- J105. Ro A, **Bruckner TA**, Duquette-Rury L. Immigrant Apprehensions and Birth Outcomes: Evidence from California Birth Records 2008-2015. *Social Science & Medicine* 2020 (in press).
- 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 (in press).
- 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 (in press).
- 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* 2019 (in press).
- 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* 2019 (in press).
- 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 (<https://doi.org/10.1002/bdr2.1553>).
- 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 (in press).

- J96. **Bruckner TA**, Kane JB, Gailey S. Strong Upward Neighborhood Mobility and Preterm Birth: a Sibling Design Approach. *Annals of Epidemiology* 2019 (<https://doi.org/10.1016/j.annepidem.2019.05.005>).
- 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 (<https://doi.org/10.1111/acem.13812>).
- 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 (<https://doi.org/10.1176/appi.ps.201800553>).
- 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 (<https://doi.org/10.1093/ije/dyz089>).
- 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 (<https://doi.org/10.1093/aje/kwz120>).
- 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 (<https://doi.org/10.1007/s10900-018-00602-9>).
- 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).
- J52. Chakravarthy B, Hoonpongsimanont W, Anderson CL, Habicht M, **Bruckner T**, Lotfipour S. Depression, suicidal ideation, and suicidal attempt presenting to the emergency department: differences between these cohorts. *Western Journal of Emergency Medicine* 2014; 15(2):211-6.

- J51. **Bruckner TA**, van den Berg GJ, Smith KR, Catalano RA. Ambient temperature during gestation and cold-related adult mortality in a Swedish cohort, 1915 to 2002. *Social Science & Medicine* 2014 Jan 31 (doi: 10.1016/j.socscimed.2014.01.049).
- J50. **Bruckner TA**, Modin B, Vågerö D. Cold ambient temperature in utero and birth outcomes in Uppsala, Sweden, 1915 to 1929. *Annals of Epidemiology* 2014; 24:116-21.
- 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.
- J46. Yoon J, **Bruckner TA**, Brown TT. Client Characteristics that Influence Recovery in California's Comprehensive Community Mental Health Programs. *American Journal of Public Health* 2013; 103(10), 89-95. (doi:10.2105/AJPH.2013.301233).
- J45. **Bruckner TA**, Noymer A, Catalano R. Life Expectancy during the Great Depression in Eleven European Countries. *Population and Development Review* 2013; 39(1): 57-74.
- J44. **Bruckner T**, Kim Y, Snowden L. Racial/Ethnic Disparities in Children's Emergency Mental Health After Economic Downturns. *Administration and Policy and Mental Health Services Research*. 2013; 41(3), 334-42.(DOI 10.1007/s10488-013-0474-8)
- 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.
- J41. **Bruckner TA**, Kim Y, Chakravarthy B, Brown TT. Voluntary Psychiatric Emergencies in Los Angeles County after California's Mental Health Services Act. *Psychiatric Services* 2012; 63:808-14.

- 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.
- J38. Catalano RA, Saxton KB, **Bruckner TA**, Pearl M, Anderson E, Goldman-Mellor S, Margerison-Zilko C, Subbaraman M, Currier RJ, Kharrazi M. Hormonal evidence supports the theory of selection in utero. *American Journal of Human Biology* 2012 Jul;24(4):526-32.
- J37. **Bruckner TA**, Margerison-Zilko C. Humans and Models: Converging 'Truths'. [Letter] *International Journal of Epidemiology* 2012;41(1):314-5.
- J36. **Bruckner TA**, Hodgson A, Mahoney CB, Fulton B, Levine P, Scheffler RM. Health care supply and county-level variation in ADHD prescription medications. *Pharmacoeconomics and Drug Safety* 2012;21(4):442-9. [Commentary on this article appears in same issue]
- J35. Catalano R, **Bruckner TA**, Smith KR, Saxton K. Temperature oscillations may shorten male lifespan via natural selection in utero. *Climatic Change* 2012;110:697-707.
- J34. Cheng YW, Kaimal AJ, **Bruckner TA**, Halloran DR, Caughey AB. Perinatal morbidity associated with late preterm deliveries compared to deliveries between 37-40 weeks. *British Journal of Obstetrics and Gynecology* 2011;118(12):1446-54.
- 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).
- J32. **Bruckner TA**. Brown RA, Margerison-Zilko C. Positive income shocks and accidental deaths among Cherokee Indians: a natural experiment. *International Journal of Epidemiology* 2011;40(4):1083-90. [Commentary on this article appears in same issue]
- J31. **Bruckner TA**, Subbaraman M, Catalano R. Transient Cultural Influences on Infant Mortality: Fire-Horse Daughters in Japan. *American Journal of Human Biology* 2011;23(5):586-91.
- J30. **Bruckner TA**, Scheffler RM, Shen G, Yoon J, Chisholm D, Morris J, Fulton BD, Dal Poz MR, Saxena S. The mental health workforce gap in low- and middle-

- income countries: a needs-based approach. *Bulletin of the World Health Organization* 2011;89(3):184-94.
- 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.
- J26. **Bruckner TA**, Catalano R, Ahern J. Male fetal loss in the U.S. following the terrorist attacks of September 11, 2001. *BMC Public Health* 2010 10(1):273. [*Highly Accessed*: in top 10% of journals accessed]
- J25. Hubbard AE, Ahern J, Fleischer N, Van der Laan M, Lippman SA, Jewell N, **Bruckner T**, Satariano WA. To GEE or not to GEE: comparing estimating function and likelihood based methods for estimating the associations between neighborhood risk factors and health. *Epidemiology*. 2010;21(4):467-74.
- J24. Catalano R, Zilko CE, Saxton KB, **Bruckner T**. Selection in utero: A biological response to mass layoffs. *American Journal of Human Biology* 2010;22(3):396-400.
- 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.
- J19. Catalano R, Saxton K, **Bruckner T**, Goldman S, Anderson E. A sex-specific test of selection in utero. *Journal of Theoretical Biology* 2009;257(3):475-9.
- 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

- 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

- 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.

Grants, Fellowships, and Awards

Active

“Racial disparities in pediatric psychiatric emergencies: a health systems approach” NIH / NIMH 1R21MH110815 - 01A1

Role: Principal Investigator 4/2017-3/2020
\$418,487

“Data Supplement: Racial disparities in pediatric psychiatric emergencies” NIH / NIMH 3R21MH110815-02S1

Role: Principal Investigator 9/2018-9/2020
\$35,473

“Vaccine Efficacy after a Sanitation Campaign: A Natural Experiment” R03 (NIAID)

Role: PI 3/2019-2/2021
\$138,702

Denmark NIH (\$1,015,000)

Lars Andersen (PI) Bruckner (Co-I) 4/1/2020 – 3/31/2023

Structural Changes to the Psychiatric Sector and the Rise of Court-Ordered Psychiatric Treatments

We analyze in Denmark whether the downsizing of the psychiatric hospitals increased the use of court-ordered psychiatric treatment.

“Intergenerational Persistence of Treatment Effects in Human Capital Interventions”

R01 HD093651-01 (NICHD)

Dodge (PI)

Role: Co-I

9/1/2017-8/31/2022

\$3,954,558

“How Do Human Capital Investments and Shocks Interact?”

R01 (NICHD)

Bitler (PI)

Role: Co-I

11/2018-10/2022.

\$1,237,120

Pending

“Health disparity or advantage: the case of non-Hispanic black preterm births”

R01 (NICHD)

Role: PI 4/2019- 3/2023

\$1,706,323

“Loss Aversion and Preterm Birth among Twin Pregnancies”

R21 (NICHD)

Role: Co-PI (with Avalos) 4/2019- 3/2021

\$274,838

“Selection in utero and consequences for sex differences in adult mortality”

R21 (NIA)

Role: PI

4/2020- 3/2022

\$432,759

Completed

“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, (\$10,000) 7/1/2014-6/30/2015

“Home Foreclosures, Land Use Changes, and Birth Outcomes in California.” CORCL Research and Travel Award, UC Irvine, (\$2,100) 7/1/2014-6/30/2015

“Prevalence of Suicidal Patients Who Visit the Emergency Department with Non-Psychiatric Chief Complaints Using a Novel Computerized Screening & Intervention Platform.” (\$5,000) Undergraduate Research Opportunities Program, University of California, Irvine. Role: Co-PI (with Bharath Chakravarthy) 7/2013-7/2014

“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

Public Health Faculty Research and Travel Award (\$3,150), 2012, Academic Senate Council on Research, Computing, and Libraries (CORCL), University of California, Irvine.

"Income Shocks and Unintentional Injuries among Cherokee Indians: A Natural Experiment" (\$3,000). Center for Demographic and Social Analysis, Seed Grant
University of California, Irvine, 2011.

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).

Public Health Alumni Association Pre-Doctoral Scholar, University of California, Berkeley. 2005-2007, (\$4,500).

PRESENTATIONS

“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 (in last 2 years)

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, Pediatric 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, PLOS One, American Journal of Human Biology, Biodemography and Social Biology, Population Research Quarterly, and The Sociological Quarterly.

GRANT REFEREEING

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

2009-18

University of California, Irvine: SE 200 Seminar in Social Ecology
Graduate Course: ~ 30 students per year

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

University of California, Irvine: PPD 112 / PH 139 Foundations of Community Health
Undergraduate Course: ~117 students per year

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

University of California, Irvine: PPD 297 Research Design
Graduate Course: ~11 students per year

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)

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: Parvati Singh, Samantha Gailey, Abhery Das
- Past Doctoral dissertation chair for: I-cha Lee, Yonsu Kim, Amrita Singh
- On oral dissertation defense committee for: Hiroshi Ishikawa, Yunwen Feng, Parvati Singh, Steven Spears, Hsin-Ping Hsu, Angela Sanguinetti, Courtney Reynolds Murphy,

Victoria Lowerson, Dongwoo Yang, Gaby Abdel-Salaam, Gavin Ferguson, Raheleh Khorsan, 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 14 students
- Research Advisor for Undergraduate Honors Program: Mudit Buch, Emily Guy, Anika Akhter

PROFESSIONAL AFFILIATIONS

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