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EDUCATION

2010-2011	Stanford University	Post-Doctoral Fellow, General Medical Disciplines
2004-2009	University of California, Berkeley	Ph.D, Health Services & Policy Analysis
2004-2007	University of California, Berkeley	M.A, Development Economics
2001	University of Bordeaux III, France	U.C. Berkeley Study Abroad Program, French Language
1997-2001	University of California, Berkeley	B.A., Simultaneous degrees in Molecular Cell Biology and Economics

ACADEMIC APPOINTMENTS

2016-	Assistant Professor, Economics Department, San Francisco State University
2012-2016	Instructor, General Medical Disciplines/Population Health Sciences, Stanford
2011-2012	Research Economist, Global Health Group, University of California, San Francisco

BIBLIOGRAPHY (Link to [Google Scholar](#))

Peer-Reviewed Publications

1. Lui J, **Modrek S**, Sieverding M. The Effects of Political Protests on Youth Human Capital and Wellbeing in Egypt. *Social Science & Medicine*. 2019, 243: 112602.
2. Elser H, Ben-Michael E, Rehkopf D, **Modrek S**, Eisen EA, Cantley LF, Cullen MR. Layoffs and the mental health and safety of remaining workers: A quasi-experimental study of the U.S. aluminum industry. *J Epidemiol Community Health*. 2019,73:1094-1100.
3. **Modrek S**, Chakalov B. The Spark of the #MeToo Movement: Text Analysis of the Early Twitter Conversation. *Journal of Medical Internet Research*. 2019, 21(9):e13837.
4. Elser H, Neophytou AM, Tribett E, Galusha D, **Modrek S**, Noth EM, Meausoone V, Eisen EA, Cantley LF, Cullen MR. Cohort Profile: The American Manufacturing Cohort (AMC) Study. *International Journal of Epidemiology*. 2019, 48(5): 1412–1422.
5. Hamad R, **Modrek S**, White JS. Paid Family Leave Effects on Breastfeeding: A Quasi-Experimental Study of US Policies. *American Journal of Public Health*. 2019, 109:164-6.
6. Chen C. **Modrek S**. Gendered Impact of Solid Fuel Use on Acute Respiratory Infections in Children in China. *BMC Public Health*, 2018, 18:1170.
7. Lui J, **Modrek S**, Sieverding M. The mental health of youth and young adults during the transition to adulthood in Egypt. *Demographic Research*, 2017, 36:1721-58.
8. Rehkopf D, **Modrek S**, Cantley L, Cullen M. Social, Psychological, And Physical Aspects Of The Work Environment Could Contribute To Hypertension Prevalence. *Health Affairs*, 2017.
9. **Modrek S**, Sieverding M. Mothers' perspectives on the medicalization of FGM/C in Egypt. *International Perspectives on Sexual and Reproductive Health*, 2016, 42(2): 81-92.

10. **Modrek S**, Basu S, Harding M, White JS, Bartick M, Rodriguez E, Rosenberg R. Does breastfeeding duration lead to decreases in child obesity: An instrumental variables analysis of Oregon PRAMS data, 2009-2012. *Pediatric Obesity*, 2016, 10.1111/ijpo.12143.
11. Lui J, **Modrek S**. Evaluation of SMS Reminder Messages for Altering Treatment Adherence and Health Seeking Perceptions among Child and Adult Malaria Patients Seeking Care in the Private Sector. *Health Policy and Planning*, 2016, 10.1093/heapol/czw076.
12. Hamad R, **Modrek S**, Cullen M. Healthcare Utilization during the Great Recession: Findings from a Panel of U.S. Workers. *Health Services Research*, 2016, 51(3):1052-1073.
13. Basu S, Hamad R, White JS, **Modrek S**, Rehkof DH, Cullen MR. The EARN-Health Trial: Protocol for a randomized controlled trial to identify health effects of an incentivized financial savings program among low-income U.S. adults. *BMJ Open*, 2015, 5(10):e009366.
14. Rehkopf D, Eisen E, **Modrek S**, Horner E, Goldstein B, Costello S, Cantley L, Slade M, Cullen M. Early life state of residence characteristics and later life hypertension, diabetes and ischemic heart disease. *American Journal of Public Health*, 2015, 105(8):1689-1695.
15. Hamad R, **Modrek S**, Kubo J, Goldstein B, Cullen M. Using "big data" to capture overall health status: Properties and predictive value of a claims-based health risk score. *PLoS One*, 2015, 10(5):e0126054.
16. **Modrek S**, Hamad R, Cullen M. Psychological Well-being during the Great Recession: Changes in Mental Healthcare Utilization in an Occupational Cohort. *American Journal of Public Health*, 2015, 105(2): 304-10.
17. Liu J, **Modrek S**, Anyanti J, Nwokolo E, De La Cruz A, Schatzkin E, Isiguzo, C, Ujuju C, Montagu D. Risk preferences, malaria care-seeking behavior, and the acceptability of malaria rapid diagnostic tests in Nigeria. *BMC Health Services Research*, 2014, 14:374.
18. Isiguzo C, Anyanti J, Ujuju C, Nwokolo E, De La Cruz A, Schatzkin E, **Modrek S**, Montagu D, Liu J. Presumptive treatment of malaria from formal and informal drug vendors in Nigeria. *PLoS One*, 2014.
19. Basu S, **Modrek S**, Bendavid E. Comparing decisions for malaria testing and presumptive treatment: a net health benefit analysis. *Medical Decision Making*, November 2014, 8:996-1005.
20. **Modrek S**, Schatzkin E, De La Cruz A, Isiguzo C, Nwokolo E, Anyanti J, Ujuju C, Montagu D, Liu J. SMS Messages Increase Adherence to RDTs Results Among Malaria patients: Results from a Pilot Study in Nigeria. *Malaria Journal*, 2014, 13:69.
21. Kubo J, Cullen M, Desai M, **Modrek S**. Association between employee and manager gender concordance and time to first acute injury in an occupational cohort. *BMC Public Health*, 2013, 13:1053.
22. **Modrek S**, Cullen M. Downsizing during Recessions: Effects on Survivors Work Stress. *BMC Public Health*, 2013, 13:929.
23. **Modrek S**, Cullen M. Health Consequences of the 'Great Recession' on the Employed: Evidence from an Industrial Cohort in Aluminum Manufacturing. *Social Science and Medicine*, September 2013; 92:105-113.

24. **Modrek S**, Lui J. Exploration of Pathways Related to the Decline in Female Circumcision in Egypt. *BMC Public Health*, 2013, 13:921.
25. **Modrek S**, Lui J, Gosling R, Feacham RG. The Economic Benefits of Malaria Elimination: Do They Include Increases in Tourism? *Malaria Journal*, July 2012; 11(7): 244.
26. **Modrek S**, Dow W, Rosero-Bixby L. Long-Term Association Of Economic Inequality And Mortality In Adult Costa Ricans. *Social Science and Medicine*, January 2012; 74(2): 158-166.
27. **Modrek S**, Ahern J. Longitudinal Relation of Income Inequality and Mortality in Costa Rica. *Health and Place*, November 2011; 17(6): 1249-1257.
28. **Modrek S**, Ghobadi N. The Expansion of Rural Health Houses and Fertility Outcomes in Iran. *Studies in Family Planning*, September/October 2011; 42(3): 137-146.
29. Fulton B, Scheffler R, Hinshaw S, Levine P, Stone S, Brown T, **Modrek S**. National Variation of ADHD Diagnostic Prevalence and Medication Use: Health Care Providers and Education Policies. *Psychiatric Services*, August 2009; 60:1075-1083.
30. Scheffler R, Hinshaw S, **Modrek S**, Levine P. Economic Analysis of the Global Market for ADHD Medications. *Health Affairs*, March/April 2007; 26(2): 450-457.

Peer-Reviewed Invited Publications

31. Carstensen L, Rosenberger M, Smith K, **Modrek S**. Optimizing Health in Aging Societies. *Public Policy & Aging Report*, 2015, 25(2): 38-42.
32. Rosero-Bixby L, **Modrek S**, Domino M, Dow W. Aging and mental health in a longitudinal study of elderly Costa Ricans. *Encyclopedia of Geropsychology*, 2015.
33. **Modrek S**, Stuckler D, McKee M, Cullen M, Basu, S. A review of health consequences of recessions internationally and a synthesis of the US response during the Great Recession. *Public Health Reviews*, 2013, 35.

Peer-Reviewed Commentaries

34. Lui J, **Modrek S**, Gosling R, Feacham RG. Malaria Eradication: Is it possible? Is it worth it? Should we do it? *Lancet Global Health*, June 2013; 1:e2-3.

Posted Working Papers

1. **Modrek S**, Kuan K, Cullen M. Racial Disparities in Savings Behavior: Evidence from a Continuously Employed Cohort. NBER Working Paper, 2015, w20937.
2. **Modrek S**, Cullen M. Job Demand as a Risk Factor for Early Retirement. Working Paper posted at <http://www.nber.org/programs/ag/rrc/rrc2012>.

PEER-REVIEWED PRESENTATIONS

International

1. International Congress on Malaria Elimination, Costs and Benefits of Malaria Elimination, Invited Presentation, Kish Island, Iran, January 2012.

National

1. American Public Health Association, Oral Presentation, The Spark of the #MeToo Movement, Session 4436, November 2018
2. Population Association of America, Oral Presentation: Impact of Childhood Exposure to Works Progress Administration on Adult Mortality: An 70 Year Follow-up Study, Session 202, April 2018.
3. Western Association of Economics International: Oral Presentation, The Effects of Political Unrest on Youth Human Capital Accumulation in Egypt, Session 119: Human Capital Development, June 2017.
4. Population Association of America, Oral Presentation: The Effects of Political Unrest on Youth Human Capital Accumulation in Egypt, Session 201, April 2017.
5. Population Association of America, Does breastfeeding duration lead to decreases in child obesity: An instrumental variables approach, Oral Presentation, Session 136, April 2016.
6. American Public Health Association, Mother, daughter and doctor: Medical professionals and mothers' decision-making about FGM/C in Egypt, Oral Presentation, Session 5063, November 2014.
7. Population Association of America, Personality, Cognition, and Health, Does Personality Confound the Relative Deprivation and Health Relationships? Evidence from Costa Rica, Oral Presentation, Session 52, April 2013.
8. Population Association of America, Does Information Change Health Behavior? Risk Aversion and Health Behavior Change: Evidence from a Pilot Study of Acceptability of a New Malaria Diagnostic Technology in Nigeria, Oral Presentation, Session 152, April 2013.
9. Retirement Research Consortium Conference, Job Demand and Retirement, Invited Presentation, August 2012.
10. Population Association of America, Disability and Labor Market Outcomes, Job Demand and Retirement, Oral Presentation, Session 198, May 2012.
11. Population Association of America, Rapid Decline of Female Genital Circumcision in Egypt: An Exploration of Pathways, Poster Presentation, April 2011.
12. Population Association of America, The Impact of Recessions of Health, Consequences of the 'Great Recession' on the Employed, Oral Presentation, Session 467, April 2011.
13. Population Association of America, Historical and Geographic Perspectives of Socioeconomic Differences in Mortality, Long-Term Association Between Inequality and Mortality in Costa Rica, Oral Presentation, Session 170, April 2010.
14. Population Association of America, Family Planning, Fertility, and Reproductive Health in Asia, Oral Presentation, Session 91, April 2009.

15. Population Association of America, Does Neighborhood Inequality Relate to Objective Health Measures, Poster Presentation, April 2008.
16. AcademyHealth, National Variation of ADHD Diagnostic Prevalence and Medication Use, Poster Presentation, June 2007.
17. Unite for Sight Global Health & Innovation Conference, Analysis of the Global Market for ADHD Medications, Poster Presentation, April 2007.

Regional

1. PRISM Health Symposium, Poster Presentation, The Spark of the MeToo Movement, December 2018.
2. Work-Life, Health, and Economic Trajectories of an Aging Workforce: A Research Data Workshop, Oral Presentation & Panel Member, May 2018.
3. Stanford Population Health Science Annual Symposium, Alcoa Data Panel, Oral Presentation & Panel Member, November 2017.
4. Health Affairs Forum on Work and Health, Social, Psychological, And Physical Aspects of the Work Environment Could contribute to Hypertension Prevalence, Oral Presentation & Panel Member, February 2017.
5. PacDev, SMS messages Increase Adherence to RDTs Results Among Malaria Patients Seeking Care in the Private Sector: Results from a Pilot Randomized Control Trail, Oral Presentation, March 2014.
6. PacDev, Early Investments in Maternal Education as a Driver for Eliminating Female Circumcision: Evidence from Egypt, Oral Presentation, March 2012.
7. Bay Area International Health Interest Group, Rural Health Houses and Fertility in Iran, Poster Presentation, March 2010.

RESEARCH AWARDS & GRANTS

Present

- | | |
|-----------|---|
| 2018-2023 | The long-term health effects of the New Deal: An 80 year follow-up of 4 cohorts
NIH/NIA, R01
Role: Co-PI |
| 2018-2019 | The Intergenerational Effects of the Works Progress Administration on Disability and Retirement Outcomes, Alfred P. Sloan Foundation
Role: PI |
| 2017-2021 | Disease, Disability and Death in an Aging Workforce: The Alcoa Study
NIH/NIA R01, PI: Mark Cullen
Role: Co-Investigator |
| 2018 | Optimization of linkage algorithms to link historical census data to two cohort studies
Interdepartmental College of Business Research Grant
Role: PI |
| 2017-2021 | HEART & SOUL: Enabling Full Representation in biomedical Big Data science
NIH/NIMHD R25, PI: Leticia Márquez-Magaña, SFSU |

Role: Co-Investigator

2016-2018 Impact of state and federal nutrition policies on childhood obesity
Robert Wood Johnson Foundation, PI: Emma Sanchez, SFSU
Role: Co-Investigator

2017-2018 Labor Force Trajectories for Older Workers Laid Off During Economic Downturns
National Bureau of Economics Research, Retirement Research Center
Role: PI

Completed

2016-2017 The Contribution of New Onset Chronic Disease Patterns to Work Absence
National Bureau of Economics Research, Disability Research Center
Role: PI

2016-2017 Disease, Disability and Death in an Aging Workforce: The Alcoa Study
NIH/NIA R56, PI: Mark Cullen
Role: Co-Investigator

2016- 2017 Examining the Role of Job Transitions in Prolonging Work in the Manufacturing Sector
Alfred P. Sloan Foundation, PI: Mark Cullen
Role: Co-PI

2015-2016 Improving Social Security Decisions Through Choice Architecture: Is
There a Need for Targeting
National Bureau of Economics Research, Retirement Research Center
Role: Co-PI

2015-2017 Political instability and the health and wellbeing of youth: Evidence from Egypt
NIH/NICHD 1R03HD082532, PI: Jenny Liu
Role: Co-Investigator

2012-2016 Disease, Disability and Death in an Aging Workforce: The Alcoa Study
NIH/NIA R01 AG026291, PI: Mark Cullen
Role: Co-Investigator

2014-2016 Personality traits and savings behavior: Survey of retired Alcoans
Stanford Center on Longevity, Seed Grant
Role: PI

2014-2015 Racial, Occupational and Socio-economic disparities in driving the 401k Wealth Gap
NIH/NIA 3R01AG026291-09S1 Supplement in Aging Research PI: Mark Cullen
Role: Co-Investigator

2014-2016 Hospital Breastfeeding Policies and Population Obesity
Stanford Spectrum Child Health, Seed Grant
Role: PI

2013 Exploring the Social and Religious Determinants of Female Genital Cutting in Egypt and North-
Central Africa
Freeman Spogli Institute, Global Underdevelopment Action Fund Seed Grant, PI: Lisa Blaydes.
Role: Co-PI

- 2012-2013 Consumer Demand for Malaria Diagnosis in Nigeria?
ExxonMobil, PI: Dominic Montagu.
Role: Consultant
- 2011-2012 Job Demand and Early Retirement
Steven H. Sandell Grant, Boston College Center for Retirement Research and Social Security
Administration
Role: PI

MENTORING AND TEACHING ACTIVITIES

Formal Mentoring

- 2018 Mentor for Bozhidar Chakalov, HEI mentorship and project mentor, Economics, SFSU
2017 Outside committee member for Tatiana Mariscal Master's thesis, MA Student, Kinesiology SFSU
2016 Mentor for Holly Stewart, MD/PhD Student, Stanford University & UC Berkeley
2014 Mentor for Master's Level Graduate Student, Kia Kuan, Stanford University
2012-2013 Mentor for clinical scholars in Global Health, U.C. San Francisco.

Classroom Instruction

- 2017- Economics 450: Health Economics & Health Policy, San Francisco State University
2017- Health Ed 899: Health Equity Institute Scholars, San Francisco State University
2017- Economics 830: Advanced Applied Econometrics, San Francisco State University
2015 Quantitative Methods I, Lead Instructor, Heath for All Certificate Program, Stanford University

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

- 2017- Western Association of Economics International
2014- American Public Health Association
2007- Population Association of America

EDITORIAL AND REVIEW ACTIVITIES

Manuscript Review

- 2010- BMC Public Health, American Journal of Public Health, PLoS One, Health and Place, Studies in Family Planning, Social Science and Medicine, Public Health, Journal of Epidemiology and Community Health, Social Science and Medicine- Population Health, Epidemiology and Psychiatric Sciences, Applied Health Economics and Health Policy, World Development

Professional Organization Review & Support & External Mentoring

- 2018 RWJ Health Policy Research Scholars Program
2018 Session Discussant, Population Association of America Conference, Session 116.
2017 Session Chair & Discussant, Western Association of Economics International Conference, Session 159.
2017 Session Discussant, Population Association of America Conference. Session 140.

INSTITUTIONAL AND VOLUNTEER SERVICE

Institutional

SFSU

- 2018 Women in Data Science, Conference Ambassador, SFSU Organizer
2017- Business Ethics Week Organizing Committee Member, CoB
2017- Institutional Review Board Committee, CoB Representative, University Wide
2017- Seminar Committee, Economics Department
2017 Search Committee, Economics Department
2017 Big Data Writing Group Coordinator, Health Equity Institute

2016-2017 Executive Committee, Economics Department
2016 Tea Time Coordinator, Health Equity Institute

Stanford

2014- 2016 Grant Review Committee, Stanford Spectrum Child Health
2012-2014 Delegate, Department of General Medical Disciplines Junior Investigators Group
2013 Participant, Stanford School of Medicine Diversity Strategic Planning Workshop

RESEARCH & LANGUAGE SKILLS

1. Proficient in software for quantitative (STATA and R), qualitative (Dedoose), and geographical analysis (QGIS)
2. Fluent in French and native Farsi speaker