

Emily Treleaven, PhD, MPH

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Academic appointments

- 2021 – **Research Assistant Professor**, University of Michigan
Survey Research Center, Institute for Social Research
- 2020 – 2021 **Research Investigator**, University of Michigan
Survey Research Center, Institute for Social Research
- 2017 – 2020 **NICHD Postdoctoral Fellow**, University of Michigan
Survey Research Center & Population Studies Center, Institute for Social Research

Education

- 2017 **University of California, San Francisco**
PhD, Sociology
- 2010 **University of North Carolina at Chapel Hill**
MPH, Maternal and Child Health
- 2006 **Georgetown University**
BA, Spanish and Psychology

Peer-reviewed publications

Treleaven E, Whidden CE*, Cole F, Traore MB, Diakite D, Sidibé S, Cissouma S, Sanogo, V, Lin TK, Boettiger D, Padian N, Johnson AD, Liu JX, Kayentao K. (2021). Relationship between symptoms, barriers to care and healthcare utilisation among children under five in rural Mali. *Tropical Medicine & International Health*. doi:10.1111/tmi.13592.

Porth JM*, **Treleaven E**, Fleischer NL, Mutua MK, Boulton ML. (2021). The influence of maternal migration on child vaccination in Kenya: An inverse probability of treatment-weighted analysis. *International Journal of Infectious Diseases* 106: 105–114. doi.org/10.1016/j.ijid.2021.03.067.

Whidden CE*, Keita Y, **Treleaven E**, Beckerman J, Johnson AD, Traoré AC, Liu JX, Kayentao K. (2021). Women's empowerment, intrahousehold influences, and health system design on modern contraceptive use in rural Mali: A multilevel analysis of cross-sectional survey data. *Reproductive Health* 18(55). doi.org.10.1186/s12978-020-01061-z.

Treleaven E, Pham TN, Nguyen AD, Diamond-Smith N. (2021) The list experiment: An approach to measure stigmatized behaviors related to son preference in Vietnam. *Population Studies*. doi.org/10.1080/00324728.2021.1900589.

Boettiger DC, **Treleaven E**, Kayentao K, Guindo M, Coumare M, Johnson AD, Whidden CE*, Kone N, Cisse AB, Padian N, Liu JX. (2021). Household characteristics and under-five mortality in Bankass, Mali. *BMC Public Health* 21(1). doi.org/10.1186/s12889-021-10242-9.

Spiegel E, Nesbit KC, Altenor K, Nguyen HT, Tran L, Quinonez Hermosa A, Martin H, von Oettingen J, **Treleaven E**, Partridge JC. (2021). Valuation of life with disability: an international comparison study in Vietnam, Peru and Haiti. *Journal of Child Neurology*. doi.org/10.1177/0883073820983262

Zimmer Z, **Treleaven E**. (2020). The rise and prominence of skip-generation households in low- and middle-income countries. *Population and Development Review* 46(4): 709–733.

Treleaven E. (2019). Migration and investments in health of children left behind: The role of remittances in children's healthcare utilization in Cambodia. *Health Policy & Planning* 34(9): 684–693.

Whidden CE*, **Treleaven E**, Liu JX, Padian N, Poudiougou B, Bautista Arredondo S, Fay M, Samake S, Johnson A, Kayentao K. (2019). Proactive community case management and child survival: Protocol for a cluster randomized controlled trial. *BMJ Open* 9:e027487. doi: 10.1136/bmjopen-2018-027487.

Diamond-Smith N, **Treleaven E**, Omoluabi E, Liu JX. (2019). Comparing simulated client experiences with phone survey self-reports for measuring quality of information given in family planning counseling: The case of depot medroxyprogesterone acetate–subcutaneous (DMPA–SC) in Nigeria. *Gates Open Research* 3:1092. doi.org/10.12688/gatesopenres.12935.2.

Moseson H, **Treleaven E**, Gerds C, Diamond-Smith N. (2017). The list experiment for measuring abortion: What we know and what we still need. *Studies in Family Planning* 48(4), 397–405.

Treleaven E, Pham TN, Le DN, Brooks TN, Le HT, Partridge JC. (2017). Referral patterns, delays, and equity in access to advanced pediatric emergency care in Vietnam. *International Journal of Equity in Health* 16:215. doi.org/10.1186/s12939-017-0703-y.

Diamond-Smith N, **Treleaven E**, Murthy N, Sudhinaraset M. (2017). Women's empowerment and experiences of mistreatment during childbirth in facilities in Lucknow, India: Results from a cross-sectional study. *BMC Pregnancy and Childbirth* 17(Suppl 2):335. doi.org/10.1186/s12884-017-1501-7.

Sudhinaraset M, **Treleaven E**, Melo J, Singh K, Diamond-Smith N. (2016). The role of cultural health capital in reporting disrespect and abuse in facility delivery in India: A mixed methods study using cultural health capital theory. *BMC Pregnancy and Childbirth* 16(1). doi.org/10.1186/s12884-016-1124-4.

Treleaven E, Pham TN, Le DN, Diamond-Smith N, Partridge JC, Le HT. (2016). Gender disparities in child health care seeking in Vietnam. *Asian Population Studies* 12(3), 312–330.

Liu JX, Prach LM, **Treleaven E**, Isiguzo C, Anyanti J, Jagha T, Seaman V, Ajumobi O, Hansen M. (2016). The role of drug vendors in improving based health care services in Nigeria. *Bulletin of the World Health Organization* 94(4): 267–275.

Treleaven E, Liu JX, Prach LM, Isiguzo C. (2015). Management of paediatric illnesses by patent and proprietary medicine vendors in Nigeria. *Malaria Journal* 14(1). doi.org/10.1186/s12936-015-0747-7.

Prach LM, **Treleaven E**, Isiguzo C, Liu JX. (2015). Care seeking at patent and proprietary medicine vendors in Nigeria. *BMC Health Services Research* 15(1). doi.org/10.1186/s12913-015-0895-z.

Under review

Treleaven E, Ngin C. When parents are not present: Care seeking and decision making for children's health in skipped-generation households in rural Cambodia.

Porth JM*, Wagner AL, **Treleaven E**, Fleischer NL, Mutua MK, Braun T, Boulton ML. Childhood vaccination timeliness following maternal migration to an informal urban settlement in Kenya.

Compernelle E, **Treleaven E**. Dimensions of fatherhood: Effects of children's gender, age, and sex composition on men's labor migration in South Asia.

Askari MS*, **Treleaven E**, Ghimire DJ, Axinn WG, Hermosilla S. COVID-19 worries, concerns, and mitigation behaviours: A snapshot of Nepal during the first wave.

* Graduate student co-author

Invited chapters

Hermosilla S, **Treleaven E**, Ghimire D. "Case studies in migration and health: Nepal." *Migration and Health*, eds. Galea S, Ettman C, Zaman M. (University of Chicago Press). *Under review*.

Policy, technical, and evaluation reports

Treleaven E, Sok K, Phan C, Buoy S, Phirun L. 2015. *Urban and rural disparities in reproductive and maternal health, 2000-2014: Further analysis of the Cambodia Demographic and Health Surveys*. Phnom Penh, Cambodia: National Institute of Statistics, Government of Cambodia.

Kheam T, **Treleaven E**. 2013. *Women and migration in Cambodia: Analysis of the Cambodian Rural-Urban Migration Project*. Phnom Penh, Cambodia: Ministry of Planning, Government of Cambodia.

Faramand T, **Treleaven E**. 2012. *Integrating gender in improvement activities*. Implementation Guide. USAID Health Care Improvement Project. Bethesda, MD: University Research Co.

Treleaven E, Mendizabal L. 2012. *Spreading tuberculosis care improvement ideas to health workers in Bolivia*. Research and Evaluation Report. USAID Health Care Improvement Project. Bethesda, MD.

Aly N, Banegas ME, **Treleaven E**. 2012. *Reducing under-five mortality in La Paz, Honduras through Collaborative Improvement*. Technical Report. USAID Health Care Improvement Project. Bethesda, MD.

Honors and awards

University of California President's Dissertation Year Fellowship (2016 – 2017)

Society of Family Planning Trainee Grant (2015 – 2016)

Mekong Region Development Research Group Scholar Exchange Fellowship (2015)

UCSF Earle C. Anthony Fellowship (2014 – 2015, 2015 – 2016)

University of California Global Health Institute Student Fellowship (2013 – 2014)

UNC Department of Maternal and Child Health Global Health Internship Award (2009)

Dean's List, Georgetown University (2003 – 2006)

Grants (Current)

R03HD098705	09/2020 – 08/2022
National Institute of Child Health and Human Development	\$156,000
Migration, family context, and child health	
Role: Principal Investigator	

R25HD101358 07/2020 – 06/2025
National Institute of Child Health and Human Development \$787,344
Interdisciplinary research and training program for comparative science
Role: Co-Investigator (PI: William Axinn)

A126816 01/2016 – 12/2021
Musso Health \$1,329,716
Evaluation of proactive community case management for child survival: A cluster-randomized trial
Role: Co-investigator (PI: Jenny Liu); sub-contract from United States Agency for International
Development, Development Innovation Lab award 7200AA20FA00020 to Musso Health

Grants (Past)

F32HD093145 09/2017 – 06/2020
National Institute of Child Health and Human Development \$177,499
Children's Health and Migration
Role: Principal Investigator

University of Michigan pilot funding

New Investigator Mentorship Program 02/2021 – 01/2022
Population Dynamics and Health Program (P2CHD041028) \$10,833
Role: Principal Investigator

Children's growth trajectories and contextual change 02/2021 – 01/2022
Population Studies Center Endowment Funds \$14,628
Role: Principal Investigator

Covid-19 vulnerability in Tamil Nadu, India 07/2020 – 06/2021
Population Dynamics and Health Program (P2CHD041028) \$15,000
Role: Co-Principal Investigator (with Narayan Sastry)

Chitwan Valley Family Study child health data collection 03/2020 – 02/2021
Population Dynamics and Health Program (P2CHD041028) \$25,000
Role: Principal Investigator

Parental and contextual influences on child health in Chitwan, Nepal 06/2018 – 05/2019
Population Studies Center Weinberg and Freedman Endowment Funds \$11,100
Role: Principal Investigator

Conference presentations (Presenting author)

2021 **Treleaven E**, Doumbia S, Whidden CE, Chiu C, Lin TK. Spatial and temporal effects of exposure to violent conflict on maternal and child health service utilization in rural Mali. Oral presentation: Interdisciplinary Association of Population Health Science Conference; Baltimore, MD.

Treleaven E. *The relationship between extended kin resources and children's healthcare utilization: An analysis of family concession networks in rural Mali*. Oral presentation: Population Association of America Annual Meeting; Virtual.

- 2020 Zuverink H, Kone N, Traore MB, Sogoba M, Whidden CE, Lin TK, Padian N, Johnson AD, Kayentao K, Liu JX, **Treleaven E**. *Effects of removing user fees on barriers to care among children with diarrhea, fever, and pneumonia in rural Mali*. Oral presentation: American Society of Tropical Medicine and Hygiene Meeting; Virtual.
- 2019 **Treleaven E**. *Re-examining the relationship between parental migration and the health of children left behind: The role of community context*. Poster presentation: Population Association of America Annual Meeting; Austin, TX.
- Zimmer Z, **Treleaven E**. *The rise and prominence of skip-generation households in low- and middle-income countries*. Poster presentation: Population Association of America Annual Meeting; Austin, TX.
*PAA Poster Award winner
- 2018 **Treleaven E**, Liu JX, Schatzkin E, Whidden CE, Padian N, Cissouma S, Samake Y, Keita Y, Diakite D, Traore M, Kone N, Johnson AD, Kayentao K. *Inappropriate antibiotic provision for diarrhea among health providers in rural Mali*. Poster presentation: American Society of Tropical Medicine and Hygiene Meeting; New Orleans, LA.
- Treleaven E**, Liu JX, Schatzkin E, Whidden CE, Padian N, Cissouma S, Cisse B, Samake Y, Keita Y, Diakite D, Traore M, Kone N, Kayentao K, Johnson AD. *Access to quality care for pneumonia, diarrhea, and malaria among children under five in rural Mali*. Oral presentation: American Society of Tropical Medicine and Hygiene Meeting; New Orleans, LA.
- Treleaven E**. *The diminishing advantage of skipped-generation households in a migrant-sending context: Child nutrition in Cambodia, 2000 to 2014*. Oral presentation: Population Association of America Annual Meeting; Denver, CO.
- Treleaven E**, Liu JX. *Resource allocation for child health: An analysis of gender and status in polygynous households*. Poster presentation: Population Association of America Annual Meeting; Denver, CO.
- 2017 **Treleaven E**, Ngin C. *Care seeking and decision making for child health in skipped-generation households*. Poster presentation: International Population Conference; Cape Town, South Africa.
- Treleaven E**, Thuy LD, Pham TN, Diamond-Smith N. *The List Experiment: Piloting a Methodology to Measure Stigmatized Behaviors around Sex-Selective Abortion in Vietnam*. Oral presentation: International Population Conference; Cape Town, South Africa.
- Treleaven E**. *Care seeking and investments in child health: The role of remittances in migrant-sending households*. Poster presentation: Population Association of America Annual Meeting; Chicago, IL.
- Diamond-Smith N, **Treleaven E**, Omoluabi E, Sieverding M, Liu JX. *Comparing the quality of counseling by data collection method and marital status: Experiences, perceptions, and attitudes*. Oral presentation: Population Association of America Annual Meeting; Chicago, IL.

- 2016 **Treleaven E.** *Understanding sex-selective abortion, perceived access, and stigma in northern Vietnam.* Oral presentation: Psychosocial Workshop; Washington, DC.
- 2015 **Treleaven E,** Diamond-Smith N, Pham TN, Le DN, Partridge JC, Le HT. *Gender disparities in care seeking and severity of sickness for children in Northern Vietnam.* Oral presentation: Population Association of America Annual Meeting; San Diego, CA.
- 2014 **Treleaven E,** Brooks T, Pham TN, Le DN, Le HT, Partridge JC. *Barriers to care, referrals and care seeking at a tertiary pediatric emergency department in Hanoi, Vietnam.* Oral presentation: American Public Health Association Annual Meeting; New Orleans, LA.
- Treleaven E,** Zimmer Z. *The effects of migration and household wealth on child health outcomes in the context of rapid urbanization: The case of Phnom Penh, Cambodia.* Oral presentation: Population Association of America Annual Meeting; Boston, MA.
- 2013 **Treleaven E.** *Predictive factors for childhood immunization in Timor-Leste.* Poster presentation: American Public Health Association Annual Meeting; Boston, MA.
- 2012 **Treleaven E,** Kyeyagalire R, Karamagi E. *Factors impacting uptake of changes in improvement collaboratives in Bolivia and Uganda.* Poster presentation: International Forum on Quality and Safety in Health Care; Paris, France.
- 2011 **Treleaven E,** Morgan D, Peña R, Horney J. *RotaTeq coverage and perceived barriers to vaccination in a rural health district in RAAN, Nicaragua.* Poster presentation: American Public Health Association Annual Meeting; Washington, DC.

Invited talks

- 2017 *Parental migration and young children's health: Identifying the consequences for children left behind.* Department of Epidemiology and Biostatistics, University of California, San Francisco.
- 2013 *Child health outcomes among the urban poor in Phnom Penh, Cambodia.* Institute of Population and Social Research, Mahidol University; Bangkok, Thailand.

Other work and research experience

- 2016 – 2017 **UNICEF East Asia and Pacific Regional Office,** Bangkok, Thailand
Consultant
- 2016 – 2017 **UCSF Institute for Health & Aging,** San Francisco, CA
Graduate Student Researcher (PI: Jenny Liu)
- 2015 **United Nations Population Fund (UNFPA),** Phnom Penh, Cambodia
Consultant
- 2014 – 2015 **UCSF Global Health Group,** San Francisco, CA
Graduate Student Researcher (PIs: Jenny Liu, May Sudhinaraset)
- 2013 – 2017 **UCSF-National Hospital of Pediatrics,** Hanoi, Vietnam
Co-Investigator (PI: J. Colin Partridge)

- 2013 **UCSF Safe Motherhood Initiative**, San Francisco, CA
Research Assistant (PIs: Suellen Miller, Alison El Ayadi)
- 2011 – 2012 **University Research Co., LLC**, Bethesda, MD
Quality Improvement Specialist, USAID Health Care Improvement Project
- 2009 – 2010 **University of North Carolina at Chapel Hill**, Chapel Hill, NC
Research Assistant, Health Cognition and Behavior Lab (PI: Noel Brewer)
Graduate Research Assistant (PI: Jonathan Kotch)
- 2009 – 2010 **UNC-Collaborative Sahsa Health Initiative**, Sahsa, Nicaragua
Graduate Research Project Leader (PI: Douglas Morgan)
- 2006 – 2008 **Sandler and Travis Trade Advisory Services**, Washington, DC
International Trade Specialist

Teaching

University of Michigan

SurvMeth 653: *Mixed Method Research Design and Data Collection* with Bill Axinn (Summer 2019)

SurvMeth 653: *Mixed Method Research Design and Data Collection* with Bill Axinn and Dirgha Ghimire
(Summer 2018)

University of California, San Francisco

Teaching Assistant, GHS 202D: *Socio-behavioral Determinants of Global Health* (Winter 2014)

Teaching Assistant, SOC 289A/B: *Advanced Quantitative Methods I and II* (Fall 2013, Winter 2014)

Royal University of Phnom Penh, Faculty of Development Studies

Graduate seminar on qualitative data analysis (Spring 2015)

Professional memberships

Population Association of America

International Union for the Scientific Study of Population

Society for Epidemiologic Research

Interdisciplinary Association for Population Health Science

University affiliations

University of Michigan Population Dynamics & Health Program, Faculty Affiliate (2021 –)

University of Michigan Medical School Global REACH Program, Faculty Affiliate (2020 –)

University of Michigan Center for Social Epidemiology and Public Health, Faculty Affiliate (2017 –)

UCLA California Center for Population Research, Visiting Graduate Student Affiliate (2015 – 2017)

Student mentoring

Undergraduate Research Opportunity Program (University of Michigan)

Arwa Hassballa, 2020 – 2021

Sasha Rozenshteyn, 2020 – 2021

Emma Suh, 2020 – 2021

Hailey Zuverink, 2018 – 2019

Research Scholars Program (University of Michigan)

Arwa Hassballa, 2021 – 2022

Service

Reviewer	<i>Asian Population Studies, Bulletin of the World Health Organization, Demographic Research, Health Policy & Planning, International Journal of Equity in Health, Migration Studies, Population & Development Review, Social Science & Medicine</i>
Discipline	Abstract reviewer, International Population Conference. International Union for the Scientific Study of Population (2021) Poster discussant, Population Association of America Annual Meeting (2021) Session chair, <i>Flash Session: Maternal and Child Health</i> . Population Association of America Annual Meeting, Virtual (2020) Session organizer, <i>Measurement challenges and innovations in infant and child health and mortality</i> . Population Association of America Annual Meeting (2019) Discussant, <i>Sex Composition and Preferences: Downstream Effects</i> . Population Association of America Annual Meeting (2018) Discussant, <i>Child Health and Mortality: Measurement Challenges</i> . Population Association of America Annual Meeting (2017) Abstract reviewer, International Health Section. American Public Health Association Annual Meeting (2016, 2017)
University	Organizer, Population Studies Center postdoctoral working group. University of Michigan (2018 – 2020) Alumni Interviewer, Alumni Admissions Program. Georgetown University (2009 –)

Additional information

Citizenship	United States, Canada
Languages	Spanish
Programs	Stata, Atlas.ti, Dedoose, QGIS