

# Jonathan A. Muir

Department of Sociology  
The Ohio State University  
238 Townshend Hall  
1885 Neil Avenue Mall  
Columbus OH, 43210  
US Citizen

August 31, 2020  
Academic Email: [muir.53@osu.edu](mailto:muir.53@osu.edu)  
Professional Email: [work@jamuir.net](mailto:work@jamuir.net)  
Website: <https://jamuir.net>  
*Google Scholar Profile*  
*ResearchGate Profile*

---

## Education

- Ph.D. Candidate in Sociology, The Ohio State University** 2017-Present  
Dissertation: Societal Shocks as Social Determinants of Health  
Committee: Dr. Samuel J. Clark (Chair), Dr. Hollie N. Brehm, Dr. Hui Zheng,  
and Dr. Patrick Heuveline (UCLA)
- MPH in Epidemiology (Global Health Emphasis), University of Washington** 2017  
Committee: Dr. Stephen E. Hawes (Chair) and Dr. King Holmes
- M.S. in Sociology, Brigham Young University** 2012  
Committee: Dr. Ralph B. Brown (Chair), Dr. Tim Heaton, Dr. John P. Hoffman,  
and Dr. Benjamin G. Gibbs
- B.S. in Sociology and B.A. in Asian Studies, Brigham Young University** 2009  
Minor in International Development

## Certifications

- Graduate Certificate in Demographic Methods, University of Washington** 2017

## Peer-reviewed Publications

- Muir, Jonathan A.**, Michael R. Cope, Leslie Angeningsih, and Jorden E. Jackson. (2020). "To Move Home or Move On? Investigating the impact of recovery aid on migration status as a potential tool for disaster risk reduction in the aftermath of volcanic eruptions in Merapi, Indonesia" *International Journal of Disaster Risk Reduction*, 46, 101478.
- Muir, Jonathan A.** Michael R. Cope, Leslie Angeningsih, Jorden E. Jackson, and Ralph B. Brown. (2019). "Migration and Mental Health in the Aftermath of Disaster: Evidence from Mt. Merapi, Indonesia." *International Journal of Environmental Research and Public Health*, 16, 2726.
- Heng Sopeab, Chhorvann Chea, Sovannary Tuot, and **Jonathan A. Muir**. (2018). "HIV Prevalence, Related Risk Behaviors, and Correlates of HIV Infection among People who use Drugs in Cambodia." *BMC: Infectious Diseases*, 18, 562.
- Muir, Jonathan A.** (2018). "Another mHealth? Examining Motorcycles as a Distance Demolishing Determinant of Health Care Access in South and Southeast Asia." *The Journal of Transport and Health*, 11 (153-166).

**Muir, Jonathan A.**, David Braudt, Jeffrey Swindle, Jeremy Flaherty, and Ralph B. Brown. (2018). “Cultural Antecedents to Community Experience in Southeast Asia: Assessing the Validity of a Western Model of Community.” *City and Community*, 17, 2(485-503).

Sanders, Scott, **Jonathan A. Muir**, and Ralph B. Brown. (2018). “Overcoming geographic penalties of inequality: The Effects of Distance Demolishing Technologies on Household Income.” *Asian Journal of Social Science*, 46, 3 (260-280).

## Books, Briefs, and Other Publications

**Muir, Jonathan A.** Michael R. Cope, Leslie Angeningsih, and Ralph B. Brown. 2020) “Community Recovery after a Natural Disaster: Core Data from a Survey of Communities Affected by the 2010 Mt. Merapi Eruptions in Central Java, Indonesia” *Data in Brief*, 106040.

**Muir, Jonathan A.**, Jessica M. Farley, Allison Osterman, Stephen Hawes, Stephen Morrison, Keith Martin, and King Holmes. (2016). *Global Health Programs and Partnerships: Assessing Benefits, Equity, and Sustainability*. CSIS/Rowman & Littlefield.

**Muir, Jonathan A.**, Jessica M. Farley, Allison Osterman, Stephen Hawes, Stephen Morrison, Keith Martin, and King Holmes. (2016). “Global health partnerships: Are they working?” *Science Translational Medicine*, 8, 334(4).

## Dissertation Related Manuscripts

*Echoing through Time, Chapter 1*: “Predicting Child Mortality as an Intergenerational Effect of Traumas Associated with the Khmer Rouge ERA (1975-79) in Cambodia.”

*Echoing through Time, Chapter 2*: “Assessing Low Birth Weight as an Intergenerational Effect of Traumas Associated with the Khmer Rouge ERA (1975-79) in Cambodia.”

*Echoing through Time, Chapter 3*: “Examining a Potential Mediating Effect of Baksbat as a Psycho-behavioral Pathway for Intergenerational Effects of Traumas Associated with the Khmer Rouge ERA (1975-79) in Cambodia.”

## Other Manuscripts in Progress

**Muir, Jonathan A.** and Samuel J. Clark. “Application of a General Age-Specific Mortality Model to HIV Epidemics in Africa.” (*In Preparation*)

Wakefield, Jon, Jessica Godwin, Richard Zehang, Sam Clark, Serge Aleshin-Guendel, Orvalho Augusto, Erick Axex, EunGang Choi, Yue Chu, Tracy Dong, Miranda Fix, Geir-Arne Fuglstad, Ziyu Jiang, Avi Kenny, Julianne Meisner, **Jonathan A. Muir**, Taylor Okonek, Johnny Paige, Andrea Riebler, Austin Schumacher, Jason Thomas, Lucia Hug, and Danzhen You. “A New Model for Small Area Estimation, with Application to Subnational Under-5 Mortality Risk Estimation in Africa.” (*In Preparation*)

**Muir, Jonathan A.** “An  $R$  Based Construction of a Household Wealth Index via Principle Components Analysis with Application to Predicting Child Mortality in Southeast Asia” (*In Preparation*)

Cope, Michael R. and **Jonathan A. Muir**. “Reconstructing Community in the Aftermath of a Natural Disaster: Evidence from Merapi, Indonesia.” *(In Preparation)*

**Muir, Jonathan A.** and Michael R. Cope. “SES in Context: Towards an Improved Metric of a Household Wealth Index via Principle Components Analysis.” *(In Preparation)*

**Muir, Jonathan A.** and Scott Sanders. “Engines of Access: Examining the Impact of Motorcycles on Contraception Use in Rural South and Southeast Asia.” *(In Final Revision)*

## Awards, Fellowships and Grants

<b>Presidential Fellowship</b> Graduate School, The Ohio State University	2020-2021
<b>Frank Mott Outstanding Graduate Paper in Population Health</b> Dept. of Sociology, The Ohio State University	2020
<b>Graduate Student Fellowship</b> Dept. of Sociology & Institute for Population Research, The Ohio State University	2017-2018
<b>NIH/NICHD Training Fellowship</b> (Nominated) Center for Studies in Demography and Ecology, University of Washington	2016-2018
<b>Fulbright Fellowship: Cambodia</b> United States Fulbright Student Program	2016-2017
<b>CKS Senior Fellowship</b> Center for Khmer Studies, Cambodia	2016-2017
<b>Foreign Language and Area Studies Summer Fellowship: Khmer</b> , (Nominated) Center for Southeast Asian Studies, University of Washington	2016
<b>Foreign Language and Area Studies Fellowship: Khmer</b> Center for Southeast Asian Studies, University of Washington	2015-2016
<b>Foreign Language and Area Studies Summer Fellowship: Thai</b> , (Nominated) Center for Southeast Asian Studies, University of Washington	2014
<b>Foreign Language and Area Studies Fellowship: Indonesian</b> Center for Global Studies, University of Washington	2013-2014
<b>Foreign Language and Area Studies Summer Fellowship: Thai</b> Center for Southeast Asian Studies, University of Washington	2013
<b>Foreign Language and Area Studies Summer Fellowship: Thai</b> Jackson School for International Studies, Brigham Young University	2012
<b>Foreign Language and Area Studies Fellowship: Vietnamese</b> Jackson School for International Studies, Brigham Young University	2011-2012
<b>Graduate Studies Research Fellowship</b> Brigham Young University	2011-2012
<b>Women’s Studies Research Initiative Grant</b> Brigham Young University	2011
<b>Graduate Studies Research Fellowship</b> Brigham Young University	2010-2011

## Research Experience

- Research Associate**, Department of Sociology, The Ohio State University 2017-2020  
Project: Singular Value Decomposition for Mortality Modeling in Africa  
PI(s): Dr. Samuel J. Clark
- Research Associate**, Department of Sociology, University of Washington 2015-2017  
Project: Small Areas Mortality Estimation in Africa and Asia  
PI(s): Dr. Samuel J. Clark
- Research Associate**, Department of Global Health, University of Washington 2013-2016  
Project: Applied research conducted for the Strategic Analysis, Research and Training Center (START); projects informed efforts at the *Bill and Melinda Gates Foundation (BMGF)*, the *Clinton Foundation*, the *Institute for Health Metrics and Evaluation (IHME)*, and the *Center for Strategic and International Studies (CSIS)*  
PI(s): Dr. Judd Walson, Dr. Lisa Manhart, and Dr. Stephen Hawes
- Research Assistant**, Department of Sociology, Brigham Young University 2009-2012  
Project: Distance Demolishing Technologies in Southeast Asia  
PI(s): Dr. Ralph B. Brown
- Research Assistant**, Department of Sociology, Brigham Young University 2006-2009  
Motorcycle Economy in Southeast Asia  
PI(s): Dr. Ralph B. Brown
- Research Assistant**, Department of Sociology, Brigham Young University 2006  
Medicinal Plant Usage in Rural Thailand  
PI(s): Dr. Ralph B. Brown and Rex Cates

## Teaching Experience

- Instructor, Department of Sociology, The Ohio State University** 2019-2020  
Course(s): Statistics for the Social Sciences
- Teaching Assistant, Department of Sociology, The Ohio State University** 2018  
Course(s): Introduction to Sociology
- Guest Lecturer, National Institute of Public Health, Cambodia** 2016-2017  
Course(s): Statistical Programming for Biostatistics
- Teaching Assistant, Department of Statistics, University of Washington** 2015  
Course(s): Principles of Statistical Reasoning
- Teaching Assistant, Department of Sociology, University of Washington** 2012-2013  
Course(s): Criminology, Introduction to Sociology, and Urban Sociology
- Instructor, Department of Sociology, Brigham Young University** 2012  
Course(s): Introduction to Sociology
- Teaching Assistant, Department of Sociology, Brigham Young University** 2010-2012  
Course(s): Introduction to Sociology and Theory of Social Change

## Applied Experience

- Consultant, Utah Health and Human Rights Project** 2009-2010  
Southeast Asia Human Trafficking and Refugee Program

**Program Facilitator, Brigham Young University**  
Southeast Asia Development and Public Health Internship Program

2005-2008

## Plenary Presentations and/or Presentations by Invitation

Samuel Clark, Patrick Gerland, Brian Houle, Sara Hertog, **Jonathan A. Muir**, and Jason Thomas. “SVD Component Mortality Model.” United Nations Population Division Experts’ Group Meeting. 2020.

**Jonathan A. Muir**, Jessica M. Farley, Allison Osterman, Stephen Hawes, Stephen Morrison, Keith Martin, and King Holmes. (2016) “Global health partnerships: Are they working.” Plenary presentation, Consortium of Universities for Global Health. 2016.

**Jonathan A. Muir**, Jessica M. Farley, Allison Osterman, Stephen Hawes, Stephen Morrison, Keith Martin, and King Holmes. “Global Health Programs and Partnerships: Assessing Benefits, Equity, and Sustainability”. Center for Strategic and International Studies, Washington D.C. 2016.

**Jonathan A. Muir** and Ralph B. Brown. “Fertility Transitions in a Developing Nation: Examining Motorcycles as a Potential Indicator of Fertility Transitions in Rural Indonesia.” European Society of Rural Sociology. Crete, Greece. 2011.

Ralph B. Brown and **Jonathan A. Muir**. “Implications of Place, Mobility and 2010 Technology in Economic Development: The Impact of Motorcycle Access on Female Fertility in Indonesia.” Cornell University. Ithaca, NY. 2010.

**Jonathan A. Muir** and Ralph B. Brown. “Physical Mobility in Economic 2010 Development: the Impact of Motorcycle Access on Female Fertility in Indonesia.” Woman’s Symposium at Brigham Young University. Provo, UT. 2010

## Conference Presentations

**Jonathan A. Muir**, Michael Cope, Leslie Angeningsih, and Ralph B. Brown. “To Move Home or Move On? Investigating the Impact of Recovery Aid on Migration Status after Volcanic Eruptions in Merapi, Indonesia.” Rural Sociological Society; Richmond, Virginia. 2019

**Jonathan A. Muir** and Samuel J. Clark. “Application of a General Age-Specific Mortality Model to HIV Epidemics in Africa.” Population Association of America; Austin, Texas. 2019

**Jonathan A. Muir**, Michael Cope, Leslie Angeningsih, and Ralph B. Brown. “To Move Home or Move On? Investigating the Impact of Recovery Aid on Migration Status after Volcanic Eruptions in Merapi, Indonesia.” Population Association of America; Austin, Texas. 2019

**Jonathan A. Muir**, Michael Cope, Leslie Angeningsih, and Ralph B. Brown. “Indicators of Return Migration in the Aftermath of a Natural Disaster: Evidence from Merapi, Indonesia” Population Association of America; Denver, Colorado. 2018

**Jonathan A. Muir**, Scott Sanders, and Ralph B. Brown. “Fertility Transitions in a Developing Nation: Examining Motorcycles as a Potential Indicator of Fertility Transitions in Rural Indonesia.” International Union for the Scientific Study of Population; Cape Town, South Africa. 2017

**Jonathan A. Muir**, Michael Cope, Leslie Angeningsih, and Ralph B. Brown. “Indicators of Return Migration in the Aftermath of a Natural Disaster: Evidence from Merapi, Indonesia” International Union for the Scientific Study of Population; Cape Town, South Africa. 2017

**Jonathan A. Muir**. “Agents of Access: Investigating Motorcycles as a Means for Mitigating Barriers to Health Care in Rural South and Southeast Asia.” Rural Sociological Society; Columbus, OH. 2017

**Jonathan A. Muir**, Michael Cope, Leslie Angeningsih, and Ralph B. Brown. “Indicators of Return Migration in the Aftermath of a Natural Disaster: Evidence from Merapi, Indonesia” Rural Sociological Society; Columbus, OH. 2017

Sanders, Scott, **Jonathan A. Muir**, and Ralph B. Brown. “Bringing the Rural to the 2015 Urban: The Effects of Distance Demolishing Technologies on Household Income.” Sociology of Development Conference; Brown University. 2015

**Jonathan A. Muir**, David Braudt, Jeffrey Swindle, Jeremy Flaherty, and Ralph B. Brown. “Evaluating Individual Experiences of Community Satisfaction and Attachment in High and Low Context Cultures: A Cross National Comparison.” Rural Sociological Society; Chicago, IL. 2012

B. Alex Currit, **Jonathan A. Muir**, Riley Buttars, and Ralph B. Brown. “She’s Got a Ticket to Ride: Examining the Impact of Motorcycles on Women’s Status and Autonomy in Indonesia.” Rethinking Development Conference; Cornell University 2012

**Jonathan A. Muir**, David Braudt, Jeffrey Swindle, Jeremy Flaherty, and Ralph B. Brown. “Community Experience in High and Low Context Cultures: A Comparison of Community Experience in the United States and Southeast Asia.” Rural Sociological Society; Chicago, IL. 2011

**Jonathan A. Muir**, Scott Sanders, and Ralph B. Brown. “Fertility Transitions in a Developing Nation: Examining Motorcycles as a Potential Indicator of Fertility Transitions in Rural Indonesia.” Rural Sociological Society; Rural Sociological Society; Boise, ID. 2011

**Jonathan A. Muir** and Ralph B. Brown. “Place and Mobility in Economic 2010 Development: the Impact of Motorcycle Access on Fertility for Women in Indonesia.” Rural Sociological Society; Atlanta, GA. 2010

**Jonathan A. Muir** and Ralph B. Brown. “Engines of Change.” Pacific Sociological Association; Oakland, CA. 2010

## Service

**Adhoc Reviewer:** *International Sociology, Journal of Asian and African Studies, Journal of Community Psychology, Rural Sociology*

**Editorial Board;** (*Book Review Editor*) 2020-  
*Rural Sociology*

**Student Representative to the Department Chair;** (*Peer Elected*) 2015-2016  
Graduate Student Association, Department of Sociology, University of Washington

**Student Representative to Principal Investigators;** (*Peer Elected*) 2014-2015  
Strategic Analysis, Research and Training Program (START)

## Skills

Research: Data Collection: ODK, OpenDHS, OpenEpi  
Data Science: R, SQL, Stata  
Analysis: OLS, GLM, SEM, Survival Analysis, Spatial Analysis  
Publication: L<sup>A</sup>T<sub>E</sub>X, Microsoft Word

Languages: Fluent: English, Thai/Lao  
Intermediate: Khmer  
Indonesian

## Affiliations

**Member**, American Sociological Association

**Member**, Population Association of America

**Member**, International Union for the Scientific Study of Population

**Member**, Rural Sociological Society