

Jeffrey P. Lienert
Curriculum Vitae
10/25/2017

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EDUCATION

Ph.D.	June 2018	Social Epidemiology, University of Oxford & National Institutes of Health
M.S.	2014	Epidemiology, Harvard School of Public Health
B.A.	2012	Biochemistry & Minor in Applied Mathematics, Franklin & Marshall College

DISSERTATION (IN PROGRESS)

“The social and biological effects of patient-patient co-presence on health in hospitals using electronic medical records”

Advisers:

Laura Koehly (NIH)
Felix Reed-Tsochas (University of Oxford)
Christopher Marcum (NIH)

Examiners:

Steven New (University of Oxford)
David Barron (University of Oxford)
Gesine Reinert (University of Oxford)

PUBLICATIONS

Refereed Journal Articles

Lienert J, Marcum CS, Finney J, Reed-Tsochas F, and Koehly L. 2017. Social influence on 5-year survival in chemotherapy co-presence network. *Network Science*. DOI: <https://doi.org/10.1017/nws.2017.16>.

Lienert J, Tarko L, Uchino M, Christen WG, Li JZ, and Schaumberg DA. 2016. Long-term natural history of dry eye disease from the patient’s perspective. *Ophthalmology* 123:425-33.

Blackburn J, Cleveland J, Griffin R, Davis G, **Lienert J**, and McGwin G Jr. 2012. Tattoo frequency and types among homicides and other deaths, 2007-2008: a matched case-control study. *Am J Forensic Med Pathol* 33:202-5.

Lienert J, Griffin R, Blackburn J, McGwin G Jr. 2012. The epidemiology of lawn trimmer injuries in the United States, 2000-2009. *J Safety Res* 43:137-9.

McGwin G Jr, **Lienert J**, Kennedy JI Jr. 2010. Formaldehyde exposure and asthma in children: a systematic review. *Environ Health Perspect* 118:313-317.

Manuscripts in Submission

Kaaya S, Siril H, McAdam K, Ainebyona A, Somba M, McAdam E, Oljemark K, Todd J, Andrew I, Semwinga A, Mleli N, Makongwa S, Liu Y, **Lienert J**, Haberlen S, and Fawzi MKS. 2016. Agents of Change: comparing HIV-related risk behavior of people attending ART clinics in Dar es Salaam with members of their social networks. Submitted to *AIDS and Behavior*.

Marcum CS, **Lienert J**, Goldring M, Lin J, Miggins A, Moss M, Song S, Thakur H, and Koehly LM. 2016. A nationally representative sample of ego-centered cognitive social structures of close personal networks. Submitted to *Social Networks*.

Manuscripts in Preparation

Lienert J, Koehly L, Reed-Tsochas F, and Marcum CS. An efficient counting method for the colored triad census. In preparation for submission to *Social Networks*.

Lienert J, Reed-Tsochas F, Finney J, Marcum CS, and Koehly L. Ward co-presence time as a diagnostic indicator for nosocomial infection. In preparation for submission to *The Lancet*.

Lienert J, Koehly L, Finney J, Marcum CS, Reed-Tsochas F. Detection of patients with subclinical infection via electron medical records. In preparation for submission to *Nature* or *American Journal of Epidemiology*.

Lienert J, Smith-Fawzi MK, McAdam K, Kaaya S, Todd J, Andrews A, and Onnela JP. Network spillover effects and follow-up correlates in a behavioral HIV intervention in Tanzania. In preparation for submission to *JAIDS*.

Haenssge MJ, Charoenboon N, Warapikuptanun P, Xayavong T & **Lienert J**. Sampling health-related social networks in cross-country surveys. In preparation for submission to *Social Networks*.

PRESENTATIONS

Cleary J, **Lienert J**, Ashida S, Marcum CS, and Koehly L. 2017. Factors Influencing emotional support provision to caregivers of individuals affected by Alzheimer's disease. NHGRI Research Symposium, Bethesda, MD.

Shreves A, Marcum CS, Finney J, Koehly L, and **Lienert J**. 2017. Clinical trajectories of patients with and without screened genetic disorders in the UK. NIH Summer Student Poster Day, Bethesda, MD

Lienert J, Koehly L, Finney J, Marcum CS, Reed-Tsochas F. 2017. An efficient counting method for the colored triad census. North American Social Networks Conference (NASN), Washington, DC.

Cleary J, Thakur H, Eni P, **Lienert J**, Lea D, Marcum CS, and Koehly LM. 2017. Using a network approach to explore coping resources needed by families affected by inborn errors of metabolism. NASN, Washington, DC.

Thakur H, **Lienert J**, Marcum CS, Prokhorov A, Wilkinson A, and Koehly L. 2017. Measuring relationalized *Respeto* and understanding its impact on smoking behavior among Mexican heritage adults residing in the united states. NASN, Washington, DC.

- Lienert J**, Reed-Tsochas F, Finney J, Koehly L, and Marcum CS. 2017. Potential detection of patients with undiagnosed nosocomial MRSA via administrative data. Society for Healthcare Epidemiology of America Conference 2017, St Louis, MO and Society for Epidemiologic Research Conference, Seattle, WA.
- Lienert J**, Marcum CS, Finney J, Reed-Tsochas F, and Koehly L. 2016. Social influence on 5-year survival in a chemotherapy co-presence network. Sunbelt XXXVI, Newport Beach, CA.
- Lienert J**, Marcum CS, Finney J, Reed-Tsochas F, and Koehly L. 2015. Ward transfer networks in hospitals. Sunbelt XXXV. Brighton, UK.
- Lienert J**, Fawzi M, Kaaya S, Haberlen S, Siril H, Li N, McAdam K, Ainebyona D, Sombal M, McAdam E, Oljemark K, Todd J, Andrew I, Simwinga A, Mleli N, Makongwa S, Arthur G, Liu Y, Onnela JP. 2014. Participants in the Agents of Change study influence follow-up and health outcomes of members of their social network. International Aids Society Conference, Melbourne, Australia.

AWARDS, GRANTS, AND HONORS

- 2017 NHGRI Intramural Research Award
- 2017 3rd Year Graduate Research Prize, Nuffield Department of Medicine (£50)
- 2017 1st Place Poster Award, Society for Epidemiologic Research Conference
- 2017 Best Student Paper Award, International Network of Social Network Analysis (\$2,500)
- 2017 NIH Postbaccalaureate Mentor Award, National Institutes of Health
- 2017 NIH Summer Research Mentor Award, National Institutes of Health (\$11,000)
- 2016 Fellows Award for Research Excellence, National Institutes of Health (\$1,000)
- 2014 NIH Oxford Cambridge Scholars Fellowship, National Institutes of Health
- 2014 Meaningful Modelling of Epidemiological Data Scholar, African Institute for the Mathematical Sciences
- 2013 Epidemiology Departmental Scholarship, Harvard School of Public Health (\$10,000)
- 2012 Phi Beta Kappa Honor Society, Franklin and Marshall College

RESEARCH POSITIONS

- 2017-2018 Research Officer with Marco Haenssger, PhD
Department of Tropical Medicine, University of Oxford, Oxford, UK
Serving as an expert in social network analysis on a study of antibiotic usage in Laos and Thailand. Involved in drafting the now-funded grant proposal, devising the social network portion of the questionnaire, and analyzing the results.
- 2012-2014 Research Assistant with Mary Kay Smith-Fawzi, ScD
Department of Global Health and Social Medicine, Harvard Medical School, Boston, MA
Coordinated an international research team in leading an HIV behavioral intervention in

Tanzania, as well as data cleaning and analysis.

2007-2011 Research Assistant with Gerald McGwin, PhD
Department of Epidemiology, University of Alabama at Birmingham, Birmingham, AL
In addition to conducting independent research, I performed SQL data management for the Crash Injury Reporting and Engineering Network (CIREN) study and assisted doctoral students with data management and abstraction from medical records and autopsy reports.

TEACHING AND MENTORING EXPERIENCE

2016-2017 Mentor to Postbaccalaureate and summer students
NHGRI, National Institutes of Health, Bethesda, MD

2016 Guest lecturer in Introduction to Network Science (laboratory component)
Department of Sociology, University of Oxford, Oxford, UK

2013 TA in Introduction to Epidemiology and Biostatistics in Global Health
Department of Global Health, Harvard Medical School, Boston, MA

2012-2014 SAT Preparatory Instructor
Kaplan, Inc., Boston, MA

2011 TA in Introductory Statistical Analysis Using SAS
Department of Epidemiology, University of Alabama at Birmingham. Birmingham, AL

2010 TA and guest lecturer in Principles of Physiology and Development (laboratory component)
Department of Biology, Franklin & Marshall College, Lancaster, PA

2009-2012 Math Tutor
Department of Mathematics, Franklin & Marshall College, Lancaster, PA

SERVICE

2017 Abstract judge for the Fellows Award in Research Excellence (FARE)
NIH, Bethesda, MD

2017 Poster judge for the NIH Postbaccalaureate Poster Day
NIH, Bethesda, MD

2017-Present Created and maintain algorithm to automatically redact transcripts for anonymized analysis
Social Network Methods Section, NHGRI, NIH, Bethesda, MD

2017-Present Managed the lab wiki, including archiving posts and onboarding new lab members
Social Network Methods Section, NHGRI, NIH, Bethesda, MD

2015-Present Manuscript reviewer
Journal of Epidemiology and Community Health

RELATED PROFESSIONAL SKILLS

Programming Languages: R, SAS, Python

Technical Skills: GIS, survey design, database management, Linux, Biowulf, network analysis, statistics

PROFESSIONAL AFFILIATIONS

Society for Healthcare Epidemiology of America, American Sociological Association, International Network of Social Network Analysis, American Statistical Association, Society for Epidemiologic Research, Statistics Without Borders