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Date: March 2021

Noah Hammarlund

Education and Experience

Sep 2020–July 2022 **Postdoctoral Fellow**, *The Comparative Health Outcomes, Policy, and Economics Institute, University of Washington*, Seattle, WA.

Sep 2018–Sep 2020 **Senior Fellow Trainee**, *National Library of Medicine - Biomedical Informatics and Medical Education, University of Washington*, Seattle, WA.

Aug 2012–Aug 2018 **Ph.D., Public Affairs**, *O'Neill School of Public and Environmental Affairs, Indiana University*, Bloomington, Indiana.
Focus: Health Economics and Policy. Minor Field: Applied Statistics and Machine Learning

Sep 2010–June 2012 **M.S., Economics**, *University of Oregon*, Eugene, OR, *Terminal Master's Degree Program*.

Honors and Awards

2016 **Grant-in-Aid of Doctoral Research**, Indiana University, Bloomington.

2016 **Doctoral Consortium**, Conference on Health IT and Analytics, Washington, DC.

2012–2016 **Graduate Fellowship**, SPEA Indiana University, Bloomington.

Funding Sources

2018-2020 **Senior Fellow Trainee**, National Library of Medicine - University of Washington - BIME.

2016 **Grant-in-Aid of Doctoral Research**, Indiana University, Bloomington.

2012–2016 **Graduate Fellowship**, Indiana University, Bloomington.

Bibliography

Published

Hammarlund, N., Racial treatment disparities after machine learning surgical risk-adjustment. 2021. Health Economics and Outcomes Research Methodology, 1-39.

Freedman, S., Goodman-Bacon, A., & **Hammarlund, N.** (2021). Observational studies of the effect of Medicaid on health: Controls are not enough. Journal of Labor Economics, 39(S2), S619-S650.

Gombar, S., Bergquist, T., Pejaver, V., **Hammarlund, N.**, Murugesan, K., Mooney, S., ... & Banaei, N. (2021). SARS-CoV-2 infection and COVID-19 severity in individuals with prior seasonal coronavirus infection. Diagnostic microbiology and infectious disease, 100(2), 115338.

Bergquist, T., Pejaver, V., **Hammarlund, N.**, Mooney, S. D., & Mooney, S. J. 2020. Piloting a model-to-data approach to enable predictive analytics in healthcare through patient mortality prediction. Journal of American Medical Informatics Association.

Joshi, R. P., Pejaver, V., **Hammarlund, N.** , Sung, H., Lee, S. K., Furmanchuk,..., A.,Banaei, N. 2020. A predictive tool for identification of SARS-CoV-2 PCR-negative emergency department patients using routine test results. Journal of Clinical Virology.

Bergquist, T., Pejaver, V., **Hammarlund, N.**, Mooney, S. D., & Mooney, S. J. 2020. Evaluation of the secondary use of electronic health records to detect seasonal, holiday-related, and rare events related to traumatic injury and poisoning. BMC Public Health, 20(1), 46.

Freedman, S., & **Hammarlund, N.** 2019. Electronic medical records and medical procedure choice: Evidence from cesarean sections. Health Economics, 28(10), 1179-1193.

Hammarlund, N., & Natarajan, S. 2017. Does Race Play a Role in Invasive Procedure Treatments? An Initial Analysis. In 2017 International Conference on Connected Health (pp. 243-244). IEEE.

Manuscripts

Hammarlund, N., Nyame, Y. A., 2021. Drivers of Prostate Cancer Treatment Disparities. Under Review, The New England Journal of Medicine.

Hammarlund, N., Basu, A. 2021 Fairness in Artificial Intelligence Applications in Health Economics and Outcomes Research. Under Review. Value in Health.

Hammarlund, N., Basu, A. 2021 Post-Selection Inference for Health Economics and Outcomes Research

Hammarlund, N., Dugan, J., Boosheri, L. 2021. The Role of Differential Care Seeking in Treatment Disparities with Equal Coverage Populations: Evidence from Tricare

Hammarlund, N. 2021. Decomposition of Clinical Disparities with Machine Learning.

Presentations

Hammarlund, N., Nyame, Y. N. Drivers of Prostate Cancer Treatment Disparities. Program in Health Economics and Outcomes Research. University of Washington, 2021.

Hammarlund, N. Decomposition of Clinical Disparities with Machine Learning. American Society for Health Economics. 2020. Accepted.

Hammarlund, N. 2019. Racial Treatment Disparities after Machine Learning Surgical-Risk Adjustment. American Society of Health Economists, Atlanta, GA, June 2018.

Hammarlund, N. 2019. Racial Treatment Disparities after Machine Learning Surgical-Risk Adjustment. Midwest Economics Conference, Evanston, IL, March 2018.

Hammarlund, N. 2019. Racial Treatment Disparities after Machine Learning Surgical-Risk Adjustment. Poster, Conference on Neural Information Processing Systems (NIPS), Causal Inference and ML Workshop, Long Beach, CA, December 2017.

Freedman, S., & Hammarlund, N. 2019. Electronic Medical Records and Medical Procedure Choice: Evidence from Cesarean Sections. Midwest Economics Association Conference, Evanston, IL, March 2016.

Freedman, S., & Hammarlund, N. 2019. Electronic Medical Records and Medical Procedure Choice: Evidence from Cesarean Sections. Abstract for Presentation, Association for Public Policy and Management Fall Research Conference, Miami, FL, November 2015.

Teaching Experience

UW Biomedical Informatics and Medical Education

Associate Instructor	Health Economics, Spring 2020

IU School of Public and Environmental Affairs

Associate Instructor	Statistics, Spring 2018
Associate Instructor	Health Economics, Fall 2014, Fall 2015, Fall 2016, Spring 2017, Fall 2017
Associate Instructor	Management Science, Spring 2016

Professional Service

Journal Reviewer

2020-present	Health Services and Outcomes Research Methodology
2018-present	Journal of the American Medical Informatics Association
2018-present	Journal of Clinical and Translational Science

Professional Society Membership

2018-present Member, American Medical Informatics Association
2018-present Member, Society for Medical Decision Making
2018-present Member, International Health Economics Association
2017-present Member, American Economic Association
2016-present Member, Association for Public Policy Analysis and Management
2016-present Member, American Society of Health Economists

University Service

University of Washington

2019-present Trainee Director, Seminar Planning Committee, UW Artificial Intelligence in Medicine Institute
2019-present Member, Executive Steering Committee, UW Artificial Intelligence in Medicine Institute
2018-present Member and Postdoctral Mentor, Mooney Group

Indiana University

2016-2018 Member, Health Policy Teaching Curriculum Planning Committee