

CURRICULUM VITAE

Elizabeth A. Stuart, Ph.D.

PROFESSIONAL DATA

Department of Biostatistics
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EDUCATION AND TRAINING

- 2004 PhD Statistics, Harvard University
Advisor: Professor Donald B. Rubin
Thesis "Matching methods for estimating causal effects using multiple control groups"
- 2001 AM Statistics, Harvard University
- 1997 AB Mathematics (major) and Chemistry (minor), Smith College
- 1995-1996 Visiting Student in Mathematics and Computation, Oxford University

PROFESSIONAL EXPERIENCE

- 2023 - Frank Hurley and Catharine Dorrier Professor and Chair
Department of Biostatistics
Department of Mental Health (joint)
Department of Health Policy and Management (joint)
Johns Hopkins Bloomberg School of Public Health
Johns Hopkins University School of Education (courtesy joint)
- 2020- Bloomberg Professor of American Health
- 2024- Faculty Member, JHU Data Science and AI Institute
- 2022-2023 Executive Vice Dean for Academic Affairs
- 2021 Vice Dean for Education
- 2017- Core Faculty, Bloomberg American Health Initiative
- 2016-2021 Associate Dean for Education
- 2015- Professor
- 2010-2022 Co-Director, BSPH Center for Mental Health and Addiction Policy
- 2010-2020 Associate Director for Statistical Methods, BSPH Wendy Klag Center for Autism & Developmental Disabilities
- 2011-2015 Associate Professor
Johns Hopkins Bloomberg School of Public Health
- 2006-2011 Assistant Professor
Johns Hopkins Bloomberg School of Public Health
- 2004-2006 Researcher
Mathematica Policy Research, Inc.

2006 Adjunct Faculty
 Joint Program in Survey Methodology, University of Maryland
 and University of Michigan

2004. Contractor
 U.S. Bureau of the Census

1999-2004 Research Assistant for Professor Gary King
 Department of Government, Harvard University

1999-2004 Teaching and Research Assistant
 Department of Statistics, Harvard University

1999. Research Assistant/Programmer
 Mathematica Policy Research, Inc.

1997. Research Assistant
 Department of Mathematics, Smith College

PROFESSIONAL ACTIVITIES

Society Membership and Leadership

Eastern North American Region, International Biometric Society
 Award Committee Member, Elizabeth L. Scott award, 2023 –
 Representative, International Biometric Society International Program Committee, 2025-
 American Association for the Advancement of Science (AAAS) Section U Electorate Nominating
 Committee, 2020-2022

Association for Schools and Programs of Public Health
 Education Advisory Committee, 2019-2024
 Data Section Institutional Representative, 2019 - 2021
 Task Force on Scholarship of Teaching and Learning, 2018 - 2021

American Statistical Association, 2001-present
 Caucus of Representatives Executive Committee (Districts 1, 2, and 3 representative),
 2024 - 2027
 Selection Committee, Editor, *Journal of Statistics and Public Policy*, 2023-2024
 Excellence in Statistical Reporting Award Committee, 2021-2023
 Founding Member, Mental Health Statistics Section
 Co-Director, Charter Workgroup, 2011
 Member, Liaison Committee, 2012 - 2016
 Council of Sections Representative, 2012 – 2015
 Chair Elect, 2016
 Chair, 2017
 Past Chair, 2018

Social Statistics Section
 Program Chair, 2012

Health Policy Statistics Section
 Awards Committee, 2017

Waksberg Award selection committee, 2016-2018
 Council of Sections Nominating Committee, 2013
 Committee on Women in Statistics, 2007 - 2012

ASA Gertrude Cox Scholarship Committee, 2006-2008
 Member, Focus Group on AAAS Human Rights Coalition and International Right to
 Enjoy the Benefits of Scientific Progress and its Applications, 2011
 Judge, Washington Statistical Society Curtis Jacobs Award, 2005
 American Educational Research Association
 Palmer O. Johnson Award Committee, 2019-2021
 International Conference on Health Policy Statistics
 Chair, Outreach Committee, 2017
 Organizing Committee, 2011, 2013, 2015, 2017
 Third Annual Thomas R. Ten Have Symposium on Statistics in Mental Health
 Organizing Committee, 2013
 Society for Epidemiologic Research
 Member, Education Committee, 2018-2020
 Society for Prevention Research
 Member, Innovative Methods Theme Committee, 2009-2011
 Annual Meeting Program Committee, 2009
 Society for Research on Educational Effectiveness, 2011 – 2023
 President, 2022
 Board member, 2017 - 2023
 Association for Public Policy Analysis and Management, 2004-2008
 Methods Program Committee, Fall Research Meeting, 2012, 2013
 International Biometric Society Eastern North American Region
 Spring Meeting Program Committee, 2010
 American PsychoPathological Association, 2009-2010
 Organizer, Atlantic Causal Inference Conference, 2008, 2012
 American Public Health Association, 2007-2009
 Institute of Mathematical Statistics, 2001-2008

Participation on Advisory Panels and Boards

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| 2024 - | Panel Member, Panel on 8th Edition of Principles and Practices for a Federal Statistical Agency, National Academies of Sciences, Engineering, and Medicine |
| 2023- | Member, AWS Impact Computing Project Advisory Board, Harvard Data Science Initiative |
| 2023- | co-Chair, Committee on Applied and Theoretical Statistics (CATS), National Academies of Sciences, Engineering, and Medicine |
| 2022- | Advisory Board, Blueprints for Healthy Youth Development |
| 2022- | Core Member, TARGET - TrAnsparent ReportinG of studies Emulating a Target trial work group |
| 2022- | Member, Informed Population Health Opinions (INPHO) survey, Stanford University |
| 2021-2023 | Committee on the Implications of Using Multiple Data Sources for Major Survey Programs, National Academies of Sciences Engineering and Medicine |
| 2021- | External Advisory Board, Center for Perioperative Mental Health (NIMH-funded ALACRITY Center), Washington University |
| 2021-2022 | co-Chair, National Academies of Sciences Engineering and Medicine Panel on Assessing Causality from a Multidisciplinary Evidence Base for National Ambient Air Quality Standards |
| 2020- | Committee on National Statistics (CNSTAT), National Academies of Sciences, |

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| | Engineering, and Medicine |
| 2020- | Committee on Applied and Theoretical Statistics (CATS), National Academies of Sciences, Engineering, and Medicine |
| 2019 | Homeless Veterans Reintegration Program Evaluation Technical Working Group |
| | U.S. Department of Labor/Mathematica |
| 2019 | Panel to assess the long-term impacts of antimalarials, National Academies of Sciences, Engineering, and Medicine |
| 2019 | National Cancer Institute (NCI) Provocative Questions Workshop Member |
| 2018 | Friends of Cancer Research Historical Control Task Force |
| 2018 | Pew Charitable Trusts, Coordinating Center for the Community Opioid Response & Evaluation Project (CORE), National Advisory Committee. |
| 2018 | Promise Neighborhoods Evaluation Technical Working Group, |
| | US Department of Education/Mathematica Policy Research |
| 2017 - 2018 | Applied Research Advisory Group |
| | GovEx |
| 2016 - | What Works Clearinghouse panel on missing data |
| | US Department of Education, Institute of Education Sciences |
| 2016 - | Member, Improvement Analytics Unit Technical Advisory Group |
| | The Health Foundation and NHS England |
| 2016 | Committee of Visitors, Division of Social and Economic Sciences |
| | National Science Foundation |
| 2014-2018 | Chair, Inaugural PCORI Clinical Trials Advisory Panel |
| 2014 | National Academy of Sciences Planning Meeting on the Design and Analysis of Observational Studies to Enhance Their Use in Providing Causal Inference (for the National Institute of Aging) |
| 2014 | Member, What Works Clearinghouse Findings Development Team |
| | U.S. Department of Education/Mathematica Policy Research, Inc. |
| 2014-2015 | Panel on Research Methodologies and Statistical Approaches to Understanding Driver Fatigue Factors in Motor Carrier, Safety and Driver Health (Committee Code: ZZ134455), National Academy of Sciences |
| 2012 | GEAR Up Evaluation Technical Working Group |
| | U.S. Department of Education/Abt Associates |
| 2012 | Advisory Committee on Advancing Adult Education Research |
| | U.S. Department of Education, Institute of Education Sciences |
| 2012 | Committee to advise The Legacy Foundation Schroeder Institute for Tobacco Research and Policy Studies on issue of equipoise |
| 2011-2015 | Evaluation of Race To The Top and School Improvement Grants Technical Working Group |
| | U.S. Department of Education/Mathematica Policy Research, Inc. |
| 2010-2013 | Evaluation of Teacher Residency Programs Technical Working Group |
| | U.S. Department of Education/Mathematica Policy Research, Inc. |
| 2010 | National Evaluation of the Individuals with Disabilities Education Act (IDEA) Technical Assistance and Dissemination Program (TA&D Program) Technical Working Group |
| | U.S. Department of Education/Westat |
| 2009-2012 | ITEST Advisory Board |
| | U.S. Department of Education/University of South Florida |
| 2008 | Strengthening Adult Reading Instructional Practices Advisory Board |
| | U.S. Department of Education/Abt Associates |

2007 National Head Start Impact Study Advisory Board
U.S. Department of Health and Human Services

Consultations

2018-2020 University of Rochester, Crisis Text Line evaluation (Dr. Anthony Pisani)
2016-2017 National Cancer Institute
2014-2017 Georgetown University (Center for Research on Children in the United States)
2014-2016 Arizona State University (Prevention Research Center; Dr. Irwin Sandler)
2013-2015 Brigham and Women's Hospital (Department of Pharmacoepidemiology)
2013 SRI International
2012-2013 National Opinion Research Center (NORC)
2010-2013 Abt Associates
2009-2011 Washington University
2008-2010 American Institutes for Research
2008 The Urban Institute
2006-2012 University of Pennsylvania School of Medicine
2006 Mathematica Policy Research, Inc.
2004-2006 RAND Corporation
2002-2005 Genzyme Corporation
2000-2004 Active Girls Initiative

Faculty Affiliations

Faculty Member, JHU Whiting School of Engineering (2025-)
Faculty Member, JHU Data Science and AI Institute (2024-)
Research Affiliate, the Stanford Education Opportunity Project (2023-)
Advisory Board, The Good Science Project-JHU MA in Science Writing Fellowship (2023-)
Hopkins Business of Health Initiative (Core Faculty, 2022 -)
Johns Hopkins Center for Gun Violence Solutions (Core Faculty, 2021 -)
Bloomberg American Health Initiative (Evidence workgroup lead, 2016-)
Hopkins Population Center (Faculty Associate and Coordinating Committee, 2015-)
BSPH Center for Mental Health and Addiction Policy (co-Director, 2014-2022; Senior Advisor 2023-)
Lerner Center for Public Health Promotion (Special Advisor, 2018 - 2020)
Mannheim Center for European Social Research, University of Mannheim (External Fellow, 2014)
BSPH Wendy Klag Center for Autism & Developmental Disabilities (Associate Director; 2013-)
BSPH Center for Prevention and Early Intervention (Methods Core Co-Director, 2006 - 2014)
JHU Institute for Data Intensive Engineering and Science (IDIES; Affiliate Member, 2013 -)
BSPH Center for Drug Safety and Effectiveness (Core Faculty; 2012 -)
BSPH Center for the Prevention of Youth Violence (2006 - 2019)
BSPH Psychiatric Epidemiology Training Program (Core Faculty; 2012 -)
BSPH Drug Dependence Epidemiology Training Program (Core Faculty; 2012 - 2017)
Summer Research Institute on Geriatric Mental Health Affiliated Faculty (2013)
Johns Hopkins University Training Program in Education Research (2009-2012)
BSPH ACTIVE Evaluation, Fidelity Assessment Advisory Board (2010-2012)
Faculty Visitor, BEAR Program, Graduate School of Education, University of California at Berkeley (2008)
Faculty Visitor, Institute for Employment Research, Nuremberg, Germany (2011)
Steering Committee, Prevention Science & Methodology Group (PSMG; 2012 - 2016)

Data Safety Monitoring Boards (DSMB)

National Institute of Drug Abuse HEAL Prevention DSMB (2020-)

Drexel University, Connecting the Dots Study (Promoting Positive Outcomes for Individuals with ASD: Linking Early Detection, Treatment, and Long-term Outcomes) (PI: Robins, 2018)

Columbia University Center for Homelessness Prevention Studies (PI: Caton; 2011)

The Impact of Neighborhoods, Networks and Depression on Drug Users' HIV Risks (PI: Latkin; 2009-2011)

EDITORIAL AND OTHER PEER REVIEW ACTIVITIES

Editorial Boards

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| 2009 - 2012 | Associate Editor, <i>Journal of the Royal Statistical Society, Series A</i> |
| 2011 – | Associate Editor, <i>The Journal of Causal Inference</i> |
| 2012 - 2020 | Associate Editor, <i>Sociological Methods and Research</i> |
| 2012 - 2016 | Associate Editor, <i>Statistics in Medicine</i> |
| 2013 - 2014 | Associate Editor, <i>Journal of Educational and Behavioral Statistics</i> |
| 2014 - 2019 | Management Committee, <i>Journal of Educational and Behavioral Statistics</i> |
| 2013 - 2015 | Associate Editor, <i>Journal of Research on Educational Effectiveness</i> |
| 2014 - 2016 | Associate Editor, <i>Journal of the American Statistical Association, Reviews</i> |
| 2014 - | Associate Editor, <i>Observational Studies</i> |
| 2015 - 2019 | Associate Editor, <i>Psychometrika</i> |
| 2015 - 2019 | Methods Editor, <i>Journal of Research on Educational Effectiveness</i> |
| 2018 - 2021 | Associate Editor, <i>Journal of the American Statistical Association Theory & Methods</i> |
| 2018 - 2023 | Statistical Reviewer, <i>JAMA Psychiatry</i> |
| 2018 - 2021 | Associate Editor, <i>American Journal of Political Science</i> |
| 2021 - 2023 | Statistical Reviewer, <i>NEJM Evidence</i> |
| 2022 - | Associate Editor, <i>Harvard Data Science Review</i> |
| 2023 - | Statistical Editor, <i>JAMA Health Forum</i> |

Journal Peer Review Activities

Academy Health
Administration and Policy in Mental Health
American Journal of Epidemiology (Outstanding reviewer award, 2018)
American Journal of Evaluation
American Journal of Geriatric Psychiatry
American Journal of Public Health
The American Statistician
Annals of Applied Statistics
Annals of Epidemiology
Annals of Internal Medicine (Outstanding reviewer award, 2023)
Bayesian Analysis
Biometrics
Biostatistics
British Medical Journal (BMJ)
Children and Youth Services Review
Circulation
Clinical Trials
Communications in Statistics

Comparative Effectiveness Research
 Computational Statistics and Data Analysis
 Criminology
 Developmental Psychology
 Educational Psychology Review
 Epidemiology
 Epidemiology and Psychiatric Sciences
 European Journal of Agricultural Economics
 Health Economics
 Health Services & Outcomes Research Methodology
 Health Services Research
 International Journal of Biostatistics
 International Journal of Eating Disorders
 International Statistical Review
 Journal of Adolescent Health
 Journal of the American Medical Association
 Journal of the American Statistical Association
 Journal of Behavioral Health Services & Research
 Journal of Clinical Epidemiology
 Journal of Clinical Psychiatry
 Journal of Consulting and Clinical Psychology
 Journal of Educational and Behavioral Statistics (Outstanding reviewer award, 2011)
 Journal of Health Communication
 Journal of Official Statistics
 Journal of Politics
 Methodology
 Multivariate Behavioral Research
 PeerJ
 Pharmacoepidemiology and drug safety (Outstanding reviewer award, 2012)
 Prevention Science
 Psychiatric Services
 Psychological Methods
 Psychology of Addictive Behavior
 Review of General Psychology
 Science
 Sociological Methods & Research
 Statistical Methods in Medical Research
 Statistica Sinica
 Statistical Science
 Statistics in Medicine
 Survey Methodology

Proposal Reviews

2017 – 2020 Chair, National Institute of Mental Health Services Research Committee
 (**SERV**)
 2015-2017 Standing Member, National Institute of Mental Health Services Research
 Committee (**SERV**)
 2014 National Institute of Mental Health, Clinical Trials to Test the Effectiveness of
 Treatment, Prevention, and Services Interventions R01 and R01 Collaborative

- (Clinical Trials R01) Applications (**ZMH1 ERB-K (01)**)
- 2014 National Institute of Mental Health, Services Conflicts (**ZMH1 ERB-K (06)**)
- 2014 National Institute of Mental Health, Improving Health and Reducing Premature Mortality in People with Severe Mental Illness (**ZMH1 ERB-1 03 R**)
- 2014-2016 Principal member, Institute of Education Sciences, U.S. Department of Education, Education Systems and Broad Reform Review Panel
- 2013 National Institute of Mental Health, Fellowships and Dissertations Review Panel (**ZMH1 ERB-K 01 L**; ad hoc)
- 2013 Institute of Education Sciences, U.S. Department of Education, Accelerating the Academic Achievement of Students with Learning Disabilities Research Initiative Review Panel (ad hoc)
- 2012 National Institute of Mental Health, Grand Challenges in Global Mental Health, Special Emphasis Panel (**ZMH1 ERB-B**)
- 2011-2013 Principal member, Institute of Education Sciences, U.S. Department of Education Statistics and Modeling Panel
- 2011-2012 Institute of Education Sciences, U.S. Department of Education, Math and Science I Review Panel (ad hoc)
- 2010 National Institute of Mental Health, Interventions Committee For Disorders Involving Children And Their Families (**ITVC**; ad hoc)
- 2010 Institute of Education Sciences, U.S. Department of Education, Early Intervention and Early Childhood Education Panel (ad hoc)
- 2010 Institute of Education Sciences, U.S. Department of Education, Education Systems and Broad Reform Panel (ad hoc)
- 2009 Institute of Education Sciences, U.S. Department of Education, Reading, Writing, and Language Development Panel (ad hoc)

Book reviewer

Oxford University Press
Sage Publications
Springer Verlag

Ad-hoc review of grant proposals

National Science Foundation
Netherlands Organisation for Health Research and Development

HONORS AND AWARDS

Honors

- 2020 Fellow, American Association for the Advancement of Science (AAAS)
- 2016 Delta Omega Honor Society in Public Health, Alpha Chapter
- 2014 Fellow, American Statistical Association
- 2009 Paper recognized as “New Hot Paper” by Thomson Reuters
- 2008 Warren Miller Prize for best paper published in Volume 15 of *Political Analysis*.
- 1997 AB Magna cum laude, Smith College
- 1997 Phi Beta Kappa

Awards

- 2025 American Statistical Association Outstanding Statistical Application Award

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| 2025 | Mantel Award for lifetime achievement, Statistics in Epidemiology Section, American Statistical Association |
| 2024 | Faculty Advisor Award, BSPH DrPH program Implementation Science track |
| 2024 | Outstanding Section Service Award, Mental Health Statistics Section, American Statistical Association |
| 2021-2024 | Highly Cited Researcher (top 1% of citations), Clarivate |
| 2020 | Marshall Joffe Methods Award, Society for Epidemiologic Research |
| 2019 | Highly Cited Researcher (top 1% by citations), Web of Science |
| 2017 | American Statistical Association, Gertrude Cox Award, Washington Statistical Society/RTI |
| 2015 | American Statistical Association Health Policy Statistics Section Mid-Career Award |
| 2015 | BSPH AMTRA Advising, Mentoring, and Teaching Recognition Award |
| 2010 | BSPH Golden Apple award for Excellence in Teaching |
| 2010 | BSPH AMTRA Advising, Mentoring, and Teaching Recognition Award |
| 2010-2024 | BSPH Recognition for Excellence in Teaching (based on course reviews; for 2 courses: 140.664, 330.805, nearly every time the courses offered) |
| 2007 | Johns Hopkins Bloomberg School of Public Health Edward R. Brewster Faculty Innovation Fund Awardee |
| 2007 | Child Prevention, Intervention, and Services Fellow |
| 2007 | Society for Prevention Research Travel Award |
| 2002 | Harvard University Cochran Travel Award |
| 2001 | Student Paper Award |
| | ASA Government Statistics/Social Statistics Section/Survey Research Methods Section of the American Statistical Association |
| 2000 | American Statistical Association Gertrude Cox Scholarship |
| 2002, 2004 | Harvard University Certificate of Distinction in Teaching |
| 1999 | Harvard University William Cochran Fellowship |
| 1999-2001 | National Science Foundation Graduate Research Fellowship |
| 1997 | Smith College Pokora Prize for Senior who excels in Mathematics |
| 1995-1997 | Barry M. Goldwater Scholar |
| 1993-1997 | Robert C. Byrd Scholar |

Named Lectureships

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| 2024 | Science Achievement Graduate Fellowship Lecture, The Pennsylvania State University |
| 2021 | Keynote, Harvard Data Science Initiative 5-year Anniversary, Harvard University |
| 2021 | Distinguished Speaker Series, Research Center for Child Well-Being, University of South Carolina |
| 2021 | Myra Samuels Memorial Lecture, Perdue University Department of Statistics |
| 2020 | Rod Little Lectureship Award, University of Michigan Department of Biostatistics |
| 2018 | Myrto Lefkopoulou Distinguished Lectureship, Harvard University Department of Biostatistics |
| 2017 | The Dorothy Wrinch Lecture in Biomathematics, Women in Mathematics |

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| | in New England Conference, Smith College |
| 2013 | Dean's Lecture, Curry School of Education, University of Virginia |
| 2012 | Dean's Distinguished Lecture, Harvard University Graduate School of Education |

PUBLICATIONS

[* indicates order of authors alphabetical]

[** indicates student co-author]

Journal Articles (peer review)

1. Pacula, R., Griffin, B.A., Smart, R., Powell, D., Schuler, M., Sheng, F., Axeen, S., Choksy Pessar, S.H., Grant, S., Davis, C., **Stuart, E.A.**, Kase, C., Patrick, S., Blumenthal, R., and Stein, B. (in press). Improving policy evaluations of the opioid crisis. Forthcoming in *Health Affairs*.
2. Cashin, A.G., Hansford, H.J., Hernan, M.A., Swanson, S.A., Lee, H., Jones, M.D., Dahabreh, I.J., Dickerman, B.A., Egger, M., Garcia-Albeniz, X., Golub, R.M., Islam, N., Lodi, S., Moreno-Betancur, M., Pearson, S-A., Schneeweiss, S., Sharp, M.K., Sterne, J.A.C., **Stuart, E.A.**, and McAuley, J. (in press). Transparent reporting of observational studies emulating a target trial: The TARGET statement. Forthcoming in *JAMA*.
3. Samuel, L.J., **Stuart, E.A.**, Liu, Y., Szanton, Sarah L., Clark, A.J., Miguel, M., Schneider, M., Mashrah, A., Laretz, M., Swenor, B. (in press). A study protocol for a pragmatic trial evaluating a randomly allocated Supplemental Nutrition Assistance Program outreach and enrollment assistance program in Michigan, *BMJ Open*
4. Ying, X., Freedland, K.E., Powell, L.H., **Stuart, E.A.**, Ehrhardt, S., Mayo-Wilson, E. (2025). Determining sample size for pilot trials: A tutorial. *BMJ* 2025;390:e083405. doi: <https://doi.org/10.1136/bmj-2024-083405>
5. Ross, R. K., Diaz, I., Pitts, A. J., **Stuart, E. A.**, & Rudolph, K. E. (2025). Transporting results from a trial to an external target population when trial participation impacts adherence. *arXiv preprint arXiv:2506.00157*. <https://doi.org/10.48550/arXiv.2506.00157>
6. Paikh, H., Ross, R. K., **Stuart, E.**, & Rudolph, K. E. (2025). Who Are We Missing?: A Principled Approach to Characterizing the Underrepresented Population. *Journal of the American Statistical Association*, (just-accepted), 1-32. <https://doi.org/10.1080/01621459.2025.2495319>
7. Purtle, J., Mauri, A., Bandara, S., and **Stuart, E.A.** (2025). Use of the 988 Suicide and Crisis Lifeline at national, regional, and state levels. *JAMA Network Open* Jun 2;8(6):e2514323. PMID: PMC12150192. <https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2835119>
8. Rudolph, K., Williams, N., **Stuart, E.A.**, and Diaz, I. (2025). Improving efficiency in transporting average treatment effects. *Biometrika*, asaf027. <https://doi.org/10.1093/biomet/asaf027>

9. Ettman, C.K., **Ringlein, G.V., Dohlman, P., Straub, J., **Lupton Brantner, C., Chin, E.T., Sthapit, S., Badillo Goicoechea, E., Mojtabai, R., Albert, M., Spivak, S., Iwashyna, T.J., Goes, F.S., **Stuart, E.A.**, Zandi, P.P. (2025). Trends in mental health care and telehealth use across area deprivation: An analysis of electronic health records from 2016-2024. *PNAS Nexus*. 4: pgaf016. <https://doi.org/10.1093/pnasnexus/pgaf016>
10. Ettman, C.K., **Lupton Brantner, C., Badillo Goicoechea, E., Dohlman, P., **Ringlein, G.V., Straub, J., Sthapit, S., Mojtabai, R., Spivak, S., Albert, M., Goes, F.S., **Stuart, E.A.**, and Zandi, P.P. (2025). Gaps in psychiatric care before and after the COVID-19 pandemic among patients with depression using electronic health records. *Psychiatry Research*. Feb 1; 344:116354. <https://doi.org/10.1016/j.psychres.2025.116354>
11. Susukida, R., Amin-Esmaeili, M., Badillo-Goicoechea, E., Nguyen, T. Q., **Stuart, E. A.**, Rosenblum, M., ... & Mojtabai, R. (2025). Application of Causal Forest Model to Examine Treatment Effect Heterogeneity in Substance Use Disorder Psychosocial Treatments. *International Journal of Methods in Psychiatric Research*, 34(1), e70011. <https://doi.org/10.1002/mpr.70011>
12. Gemmill, A., Franks, A.M., Anjur-Dietrich, S., Ozinsky, A., Arbour, D., **Stuart, E.A.**, Ben-Michael, E., Feller, A., Bell, S.O. (2025). US abortion bans and infant mortality. *JAMA* 333(15): 1315-1323. PMCID: PMC11826430. <https://jamanetwork.com/journals/jama/fullarticle/2830298>
13. Bell, S.O., Franks, A.M., Arbour, D., Anjur-Dietrich, S., **Stuart, E.A.**, Ben-Michael, E., Feller, A., and Gemmill, A. (2025). US abortion bans and fertility. *JAMA* 333(15): 1324-1332. PMCID: PMC11826436. <https://jamanetwork.com/journals/jama/fullarticle/2830297>
14. Bevilacqua, K. G., Assini-Meytin, L. C., Nair, R., Decker, M. R., McGinty, E. E., **Stuart, E. A.**, & Letourneau, E. J. (2024). Is the Affordable Care Act Medicaid expansion in the USA associated with reductions in intimate partner violence victimisation?. *Injury Prevention*. <https://injuryprevention.bmj.com/content/early/2024/12/23/ip-2024-045319>
15. Hong, H., Liu, L., & **Stuart, E. A.** (2025). Estimating target population treatment effects in meta-analysis with individual participant-level data. *Statistical Methods in Medical Research*, 34(2), 355-368. <https://doi.org/10.1177/09622802241307642>
16. Kabata, D., **Stuart, E.A.**, Shintani, A.. (2024). Prognostic score-based model averaging approach for propensity score estimation. *BMC Med Res Methodol* 24, 228. <https://doi.org/10.1186/s12874-024-02350-y>
17. Pampati, S., Timpe, Z., Rasberry, C., Waller, L. A., Lopman, B., **Stuart, E. A.**, ... & Jones, J. (2025). School-level data on COVID-19 cases, quarantines, and student absenteeism during the COVID-19 pandemic: understanding missingness. *American Journal of Epidemiology*, 194(8), 2342-2356. <https://pubmed.ncbi.nlm.nih.gov/39380142/>
18. Si, Y., Bandoli, G., Cole, K. M., Fallin, M. D., **Stuart, E. A.**, Gurka, K. K., ... & Thompson, W. K. (2024). Advancing high quality longitudinal data collection: Implications for the HEALTHy Brain and Child Development (HBCD) Study design and recruitment. *Developmental Cognitive Neuroscience*, 69, 101432. <https://doi.org/10.1016/j.dcn.2024.101432>

19. Seewald, N., McGinty, E.E., and **Stuart, E.A.** (2024). Target trial emulation for evaluating health policy. *Annals of Internal Medicine* 177(11): 1530-1538. PMID: PMC11817613. <https://pubmed.ncbi.nlm.nih.gov/39374529/>
20. **Chen, R., Aherrera, A., Jones, M. R., **Stuart, E. A.**, Davis, M. F., & Rule, A. M. (2024). Association between prolonged dual use of cigarettes and E-cigarettes and psychosocial factors among US Smokers: Secondary data analysis from the 2013 to 2019 PATH study. *Hygiene and environmental health advances*, 11, 100103. <https://www.sciencedirect.com/science/article/pii/S2773049224000163>
21. Kuhlemeier, A., Jaki, T., Witkiewitz, K., **Stuart, E. A.**, & Van Horn, M. L. (2024). Validation of predicted individual treatment effects in out of sample respondents. *Statistics in Medicine*, 43(22), 4349-4360. <https://doi.org/10.1002/sim.10187>
22. Ross, R.K., Nunes, E.V., Olsson, M., Shulman, M., Krawczyk, N., **Stuart, E.A.**, and Rudolph, K.E. (2024). Comparative effectiveness of extended release naltrexone and sublingual buprenorphine for treatment of opioid use disorder among Medicaid patients. *Addiction*. Published online 05 August 2024. <https://doi.org/10.1111/add.16630>
23. Gemmill A, Margerison CE, **Stuart E.A.**, Bell SO. (2024) Infant Deaths After Texas' 2021 Ban on Abortion in Early Pregnancy. *JAMA Pediatr*. Published online June 24, 2024. <https://jamanetwork.com/journals/jamapediatrics/article-abstract/2819785>
24. Ettman, C. K., Badillo-Goicoechea, E., & **Stuart, E. A.** (2024). Financial strain, schooling modality and mental health of US adults living with children during the COVID-19 pandemic. *J Epidemiol Community Health*, 78(10), 662-668. <https://jech.bmj.com/content/78/10/662>
25. Nguyen, T. Q., **Stuart, E. A.**, Scharfstein, D. O., & Ogburn, E. L. (2024). Sensitivity analysis for principal ignorability violation in estimating complier and noncomplier average causal effects. *Statistics in Medicine* 43(19): 3664-3688. <https://doi.org/10.1002/sim.10153>
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PRACTICE ACTIVITIES

Practice-Related Reports

1. Fahle, E.M., Patterson, T., Reardon, S.F., Staiger, D.O., and **Stuart, E.A.** (2023). School district and community factors associated with learning loss during the COVID-19 pandemic. Center for Education Policy Research. Harvard University. https://cepr.harvard.edu/sites/hwpi.harvard.edu/files/cepr/files/explaining_covid_losses_5.23.pdf
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11. Panel on Research Methodologies and Statistical Approaches to Understanding Driver Fatigue Factors in Motor Carrier Safety and Driver Health. (2016). Committee on National Statistics; Board on Human-Systems Integration; Division of Behavioral and Social Sciences and Education; Transportation Research Board; National Academies of Sciences, Engineering, and Medicine. <http://www.nap.edu/author/CNSTAT/division-of-behavioral-and-social-sciences-and-education/committee-on-national-statistics>
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12. Althoff, K., and **Stuart, E.A.** (2020). Re-opening: How families can reassess. Published 11 June 2020. <https://www.BSPH.edu/covid-19/articles/re-opening-how-families-can-reassess.html>
13. **Stuart, E.A.**, Polsky, D., Grabowski, M.K., and Peters, D. (2020). 10 tips for making sense of COVID-19 models for decision-making. Published 28 April 2020. <https://www.BSPH.edu/covid-19/articles/10-tips-for-making-sense-of-covid-19-models-for-decision-making.html>
14. **Stuart, E.A.**, Althoff, K., Lessler, J., and Pollack, C. (2020). Schools close to control coronavirus. Will it work? Depends on what we do with our kids. Published 16 March 2020. <https://www.usatoday.com/story/opinion/2020/03/16/schools-closed-but-children-can-still-spread-coronavirus-column/5054108002/>
15. **Stuart, E.A.** (2018). Making the meandering path go where you want it to. StatTr@k: A website for new statistics professional navigating a data-centric world. <https://statttrak.amstat.org/2018/09/01/meanderingpath/>

Podcasts

1. Does A really cause B? How a biostatistician thinks about causality. Public Health On Call. August 23, 2024. <https://johnshopkinssph.libsyn.com/794-does-a-really-cause-b-how-a-biostatistician-thinks-about-causality>
2. Appearance on the Scholar's Table series to provide information on US academic procedures and admissions for international applicants. Hosted by Banda Khalifa. October 11, 2023.
3. Pandemic learning loss will take years to reverse. Public Health On Call. August 11, 2023. <https://johnshopkinssph.libsyn.com/648-pandemic-learning-loss-will-take-years-to-reverse>
4. Interview with Elizabeth Stuart, Biostatistician and Professor at Johns Hopkins University. The Mixtape with Scott [Cunningham]. May 30, 2023. https://causalinf.substack.com/p/s2e17-interview-with-elizabeth-stuart?utm_source=substack&utm_medium=email#details
5. Back to school: COVID, new CDC guidance, monkeypox, and more. (with Keri Althoff). Public Health on Call. August 22, 2022. <https://johnshopkinssph.libsyn.com/508-back-to-school-covid-new-cdc-guidance-monkeypox-and-more-with-keri-althoff-and-liz-stuart>
6. Another COVID summer – What's Changed and What Hasn't. (with Keri Althoff). Public Health on Call. June 10, 2022. <https://johnshopkinssph.libsyn.com/479-another-covid-summerwhats-changed-and-what-hasnt>

7. Chapter 4 – The Building blocks of epi with Dr. Liz Stuart. SERious Epi. (With Matthew Fox and Hailey Banack). January 19, 2022. <https://seriousepi.blubrry.net/>
8. Navigating another COVID holiday season. (with Keri Althoff). Public Health on Call. December 10, 2021. <https://johnshopkinssph.libsyn.com/407-navigating-another-covid-holiday-season>
9. Can you ask someone if they're vaccinated? The Quicky: Mamamia Podcasts. September 28, 2021. <https://www.mamamia.com.au/podcasts/the-quickly/how-to-ask-if-someone-is-vaccinated/>
10. The back-to-school episode. (with Keri Althoff). Public Health On Call. August 16, 2021. <https://johnshopkinssph.libsyn.com/359-the-back-to-school-episode>
11. Does in-person schooling put families at risk of COVID-19? (with Justin Lessler). Public Health on Call. May 19, 2021. <https://johnshopkinssph.libsyn.com/320-does-in-person-schooling-put-families-at-risk-of-covid-19>
12. Making safe decisions during the race of “infections vs. injections.” (with Keri Althoff). Public Health on Call. April 15, 2021. <https://johnshopkinssph.libsyn.com/296-making-safe-decisions-during-the-race-of-infections-vs-injections>
13. Considering holiday travel during COVID-19. (with Keri Althoff). Public Health on Call. December 7, 2020. <https://johnshopkinssph.libsyn.com/215-considering-holiday-travel-during-covid-19>
14. Thinking through the fall and winter holidays during COVID-19: Innovative ways to gather and celebrate. (with Keri Althoff). Public Health on Call. October 15, 2020. Contributed to Public Health on Call receiving a Council for Advancement and Support of Education (CASE) Circle of Excellence Award; over 133,000 downloads. <https://johnshopkinssph.libsyn.com/180-thinking-through-the-fall-and-winter-holidays-during-covid-19-innovative-ways-to-gather-and-celebrate>
15. How families can make decisions around summer activities during COVID-19. (with Keri Althoff). Public Health On Call. June 24, 2020. <https://johnshopkinssph.libsyn.com/101-how-families-can-make-decisions-around-summer-activities-during-covid-19>
16. How the experts are dealing with COVID-19 in their personal lives. (with Keri Althoff). Public Health On Call. March 31, 2020. <https://johnshopkinssph.libsyn.com/how-the-experts-are-dealing-with-covid-19-in-their-personal-lives>
17. Evening the (propensity) score. The Podcast @ DC. January 10, 2020. <https://soundcloud.com/user-768286365/evening-the-propensity-score>
18. Special co-host Liz Stuart. The Effort Report. November 20, 2017. <https://effortreport.libsyn.com/60-special-co-host-liz-stuart>
19. Ignore the job description (A case study). The Effort Report. July 17, 2017. <https://effortreport.libsyn.com/47-ignore-the-job-description-a-case-study>

Presentations to policy-makers, communities, and other stakeholders

1. "The Quantum Opportunity Program Demonstration: Final Impacts." Briefing for Deputy Assistant Secretary, U.S. Department of Labor, Washington, DC, 2006.
2. "The Individual Training Accounts Experiment: What Did We Learn?" Briefing for Deputy Assistant Secretary, U.S. Department of Labor, Washington, DC, 2006.
3. "Power analysis for the behavioral sciences". Administration for Children and Families, U.S. Department of Health and Human Services, March 2009.
4. "Introduction to Statistics". State of Delaware Psychiatry Residency Program, March 2009
5. "Recent advances in missing data methods: Imputation and Weighting". U.S. Department of Health and Human Services, Maternal and Child Health Bureau, Epidemiology Training Program Webinar, September 2012 (20 attendees).
6. "The loss of external validity in program evaluations that select sites purposively." Institute of Education Sciences Speaker Series, Washington, DC, 2011.
7. "Analysis methods for enhancing external validity." Invited speaker at two-day meeting on external validity, Office of Planning, Research, and Evaluation, Administration for Children and Families, Department of Health and Human Services, Washington, DC, 2014.
8. "Using propensity scores in difference-in-difference models to estimate causal effects." Invited speaker at Center for Medicare & Medicaid Innovation, Centers for Medicare & Medicaid Services, Baltimore, MD, 2015
9. "Propensity score methods: The why, what and how." One-day short course at Center for Medicare & Medicaid Innovation, Centers for Medicare & Medicaid Services, Baltimore, MD, 2015.
10. "Propensity score methods with complex survey data." Invited lecture at the National Center for Health Statistics, Hyattsville, MD, 2015.
11. "Overview of Panel Report: Research methodologies and statistical approaches to understanding driver fatigue factors in motor carrier safety and driver health." Briefing to the Federal Motor Carrier Safety Administration, U.S. Department of Transportation, Washington, DC, 2016.
12. "Propensity score methods." Invited lecture in the Division of Cancer Control and Prevention Sciences, National Cancer Institute, Bethesda, MD, July 2016.
13. "Tutorial on propensity score methods." Invited tutorial at the Office of Biometrics, Center for Drug Evaluation and Research (CDER), Food and Drug Administration (FDA), July 2016.
14. "Methods for assessing the generalizability of randomized trials to target populations." One-day short course at Institute of Education Sciences, US Department of Education, December 2017.
15. "Advanced methods for non-experimental studies." One-day short course at National Center for Education Statistics, US Department of Education, January 2018.
16. Moderator, Panel on Exploring whether a synthetic control arm can be derived from historical clinical trials that match baseline characteristics and overall survival outcome of a

randomized control arm: Case study in non-small cell lung cancer. Friends of Cancer Research Annual Meeting. November 2018.

17. "Designs for evidence-based policymaking." Presentation to the Lab@DC. Washington, DC, January 2019.
18. "Propensity score methods for non-experimental studies." Short course for Summer at Census. US Census Bureau. Suitland, MD, July 2019.
19. "Propensity scores: The basics and recent advances." Webinar for the Office of Science, Center for Tobacco Products, US Food & Drug Administration. Webinar, November 2022.

Software development

1. Ho, D.E., Imai, K., King, G., and **Stuart, E.A.** (2010). MatchIt. Software and package vignette for nonparametric preprocessing for parametric causal inference; listed at the Comprehensive R Archive Network. <http://cran.r-project.org/web/packages/MatchIt/index.html>.

Other: Data availability

1. *Ho, D.E., Imai, K., King, G., and **Stuart, E.A.** (2006). Replication Data Set for "Matching as Nonparametric Preprocessing for Reducing Model Dependence in Parametric Causal Inference", hdl:1902.1/YVDZEQIYDS <http://id.thedata.org/hdl%3A1902.1%2FYVDZEQIYDS> ; UNF:3:QV0mYCd8eV+mJgWDnYct5g== Murray Research Archive [distributor(DDI)]

Media Appearances or Quotations

ABC News (print)
Australian Broadcasting Company (ABC; TV)
The Associated Press
BBC (print)
Bloomberg News (radio and TV)
CBS News (print)
Education Week
Gizmodo
The Guardian
Huffington Post
Kaiser Health News
National Public Radio (radio and print)
The New York Times
The Philadelphia Inquirer
Politico
ProPublica
Reuters
Tech and Learning
USA Today

US News and World Report
The Wall Street Journal
The Washington Post
WebMD
Wired
WTOP news (radio)

CURRICULUM VITAE

Elizabeth A. Stuart

PART II

TEACHING

Academic Advisees

Valerie Harder PhD, Mental Health 2008
Cannabis use and depression: Demystifying propensity score techniques
Current Position: Associate Professor, Public Health Virtual, University of Vermont

Satoko (Janet) Kuramoto-Crawford PhD, Mental Health 2011
Suicidal ideation among inner-city drug users: Association with social support networks
and polydrug use
* Winner of Morton Kramer Award from Department of Mental Health
Current Position: Social Behavioral Scientist Administrator, National Institute of Drug
Abuse, National Institutes of Health

Finbarr Leacy ScM, Biostatistics 2012
On the Joint Use of Propensity and Prognosis Scores in Causal Treatment Effect
Estimation
Current Position: Expert Biostatistician, European Medicines Regulatory Network, Health
Products Regulatory Authority

Grace Lee PhD, Mental Health 2013
Antecedents, patterns, and consequences of gambling among urban youth
Current Position: Clinical Trials Results Analyst Associate, ICF International

Hali Hambridge ScM, Biostatistics 2013
Handling the Complexities of Missing Data in the Context of a Propensity Score
Analysis.
* Delta Omega Inductee
Current Position: PhD Candidate, Harvard Department of Biostatistics

Megan Schuler PhD, Mental Health 2013
Estimating the relative treatment effects of natural clusters of adolescent substance
abuse treatment services: Combining latent class analysis and propensity score
methods
Winner of Morton Kramer Award from Department of Mental Health
Delta Omega Inductee
Current Position: Policy Researcher, the RAND Corporation

Kara Rudolph MHS, Biostatistics 2014
(Concurrent with PhD in Epidemiology)
Estimating population treatment effects from a survey sub-sample
Current position: Assistant Professor, Department of Epidemiology, Columbia University
K99/R00 recipient from the National Institute of Drug Abuse

| | | |
|--|------------------------------------|------|
| Sarah Naeger | PhD, Mental Health | 2014 |
| Associations between Community Violence and Academic Competency in Urban Elementary School Children | | |
| Current Position: Director, Real World Investigator, Sanofi | | |
| Yenny Webb-Vargas (co-advisor) | PhD, Biostatistics | 2016 |
| Winner, 2015 Student Paper Award, Government/Social/Survey Statistics Sections of the American Statistical Association | | |
| Current Position: Principal Statistical Scientist, Genentech | | |
| David Lenis | PhD, Biostatistics | 2017 |
| Current Position: Vice President, Biostatistics, Aetion | | |
| Luther Kalb | PhD, Mental Health | 2017 |
| Mental health crisis in youth with Autism Spectrum Disorder | | |
| Recipient of NRSA F31 award from NICHD (primary mentor) | | |
| Winner of Morton Kramer award from the Department of Mental Health | | |
| Current Position: Associate Professor, Kennedy Krieger Institute and BSPH | | |
| Adam Pittman | ScM, Biostatistics | 2019 |
| Current position: Chief of Population Health, Maryland Health Services Cost Review Commission | | |
| Benjamin Ackerman | PhD, Biostatistics | 2020 |
| Methods for transportability: Addressing external validity and measurement error concerns in randomized trials | | |
| Current Position: Principal Statistician, Janssen | | |
| Curtis Leung | DrPH, Health Policy and Management | 2020 |
| Current position: Manager, ECG Management Consultants | | |
| Ting-Hsuan Chang | ScM, Biostatistics | 2021 |
| Current position: PhD Candidate, Department of Biostatistics, Columbia University | | |
| Lucy Qiao | MHS, Biostatistics | 2021 |
| (Concurrent with PhD in Epidemiology) | | |
| Current position: Associate Director, Epidemiology, AstraZeneca - Oncology | | |
| Natalya Kostandova | MHS, Biostatistics | 2023 |
| (Concurrent with PhD in Epidemiology) | | |
| Elizabeth Sarker | PhD, Biostatistics | 2023 |
| Current position: Statistician, Eli Lilly and Company | | |
| Ian Schmid | PhD, Mental Health | 2023 |
| Current position: Applied Statistician, Hailee Dunn Consulting | | |
| Carly Lupton Brantner | PhD, Biostatistics | 2024 |

(formerly Lupton-Smith)

2023 Jane and Steve Dykacz Award honoring the best student paper in medical Statistics

2023 June B. Culley Award honoring outstanding achievement by a Biostatistics student on his or her preliminary school-wide examination paper

2024 Delta Omega

Current position: Assistant Professor, Duke University Department of Biostatistics

| | | |
|------------------------------------|---|------|
| Jason Haw | MHS, Biostatistics (Concurrent with PhD in Epidemiology) | 2024 |
| 2023 Louis I. and Thomas D. Dublin | Award for work in Epidemiology and Biostatistics | |
| Mincen Liu | ScM, Biostatistics | 2024 |
| Victoria Green (joint advisor) | PhD, Mental Health | 2025 |
| Leon Di Stefano (joint advisor) | PhD, Biostatistics | 2024 |
| Grace Ringlein (joint advisor) | PhD, Biostatistics | |
| Bolun (Peter) Liu (joint advisor) | PhD, Biostatistics | |
| Noor Qaragholi Bloomberg Fellow | DrPH | |
| Michelle Qin (joint advisor) | PhD, Biostatistics | |
| SeHee Park (joint advisor) | PhD, Applied Math & Statistics | |

Post-doctoral fellows

Kara Rudolph 2014

Current position: Associate Professor, Department of Epidemiology, Columbia University

K99/R00 recipient from the National Institute of Drug Abuse

Trang Nguyen (co-advisor) 2014-2016

Current position: Associate Research Professor, Department of Mental Health, Johns Hopkins Bloomberg School of Public Health

Hwanhee Hong 2014-2018

K99/R00 recipient from the National Institute of Mental Health

Current position: Assistant Professor, Department of Biostatistics and Bioinformatics, Duke University

Marissa Seamans 2017 – 2019

K01 recipient from the National Institute of Drug Abuse

Current position: Assistant Professor, Department of Epidemiology, University of California – Los Angeles

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|--|-------------|
| Sachini Bandara | 2018 – 2019 |
| Funded through NIMH T32 on Mental Health Services and Systems | |
| Current position: Assistant Professor, Department of Mental Health, Johns Hopkins Bloomberg School of Public Health | |
| Stephanie Moore | 2018-2020 |
| Funded through NIMH T32 on Mental Health Services and Systems | |
| Current position: Assistant Professor, University of California – Riverside | |
| Youjin Lee | 2019 |
| Current position: Assistant Professor, Department of Biostatistics, Brown University | |
| Esita Patel (co-advisor, Brendan Saloner) | 2019-2021 |
| Current position: OB/gyn nurse | |
| Keisha Solomon (co-advisor, Brendan Saloner) | 2019-2022 |
| Current position: Research scholar, Howard University | |
| Noah Greifer | 2020-2021 |
| Current position: Programmer, Harvard University Institute for Quantitative and Social Science | |
| Joseph Kush (co-advisor, Rashelle Musci) | 2021-2022 |
| Current position: Assistant Professor, James Madison University | |
| Yongqi Zhong (co-advisor, Bryan Lau) | 2021-2022 |
| Current position: Senior Biostatistician, GRAIL | |
| Jason Gibbons (co-advisor, Brendan Saloner) | 2021 – 2023 |
| Current position: Assistant Professor, Department of Health Systems, Management, and Policy; University of Colorado Anschutz Medical Campus | |
| Samantha Harris (co-advisor, Brendan Saloner) | 2021- 2023 |
| Current position: Assistant Scientist, Department of Health Policy and Management, Bloomberg School of Public Health | |
| Nick Seewald (co-advisor, Beth McGinty) | 2021-2023 |
| Current position: Assistant Professor, Department of Epidemiology and Biostatistics, University of Pennsylvania School of Medicine | |
| Catherine Ettman | 2022- 2023 |
| Current position: Assistant Professor, Department of Health Policy and Management, Bloomberg School of Public Health | |
| Harsh Parikh (co-advisor, Kara Rudolph) | 2023 – 2025 |
| Current position: Assistant Professor, Department of Biostatistics, Yale University | |
| Bijan Niknam | 2023 – |

MPH Advisees

| | |
|------------------------|-----------|
| Sushant Sahastrabuddhe | 2009-2010 |
| Pamela Trangenstein | 2012-2014 |
| Noor Qaragholi | 2021-2022 |

MPH Capstone Advisee

| | |
|------------------------|------|
| Sushant Sahastrabuddhe | 2010 |
| Haley Gibbs | 2015 |
| Ahmed Hassan | 2016 |
| Siva Mulpuru | 2020 |
| Michael Yan | 2020 |
| Noor Qaragholi | 2022 |
| Lisa Schwarz | 2024 |
| Cordelia Kwon | 2025 |

- Winner of MPH Capstone Award

Master's Thesis Reader

| | |
|--|------|
| Keri Calkins, Epidemiology | 2014 |
| Lu Shen, Biostatistics | 2014 |
| Katherine Freeland, Biostatistics | 2015 |
| Jeffery Zhao, Duke University Dept. of Biostatistics | 2022 |
| Elizabeth Wagner, Biostatistics | 2024 |

Preliminary Oral Exam Participation (PhD or DrPH)

| | | |
|-------------------------|---|------|
| Alisha Creel | Health, Behavior, and Society | 2007 |
| Chanelle Howe | Epidemiology | 2007 |
| Lauren Cain | Epidemiology | 2007 |
| Erin McDonald | Health, Behavior, and Society | 2007 |
| Leslie Thornton | Mental Health | 2008 |
| Meredith Weaver | Health, Behavior, and Society | 2008 |
| Beth Marshall | Population, Family, and Reproductive Health | 2008 |
| Bruce Swihart | Biostatistics | 2008 |
| Lok Wong | Health Policy and Management | 2008 |
| Haley Hedlin | Biostatistics | 2008 |
| Julie Leis | Mental Health | 2009 |
| Alden Gross | Mental Health | 2009 |
| Isadora Gil | Health Policy and Management | 2009 |
| Amy Daniels | Mental Health | 2009 |
| Jennifer McCleary-Sills | Health, Behavior, and Society | 2009 |
| Bridget Ambrose | Epidemiology | 2009 |
| Camelia Graham | Mental Health | 2009 |
| Fang Tian | Epidemiology | 2010 |
| Mara McAdams | Epidemiology | 2010 |
| Benjamin Johns | International Health | 2010 |

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|------------------------------|--|------|
| Brian Weir | Health, Behavior, and Society | 2010 |
| Erin Trish | Health Policy and Management | 2010 |
| Gregory Tung | Health Policy and Management | 2010 |
| David Hanna | Epidemiology | 2010 |
| Dell Simmons | Graduate Training Program in Clinical Investigation | 2010 |
| John Ayers | Health, Behavior, and Society | 2011 |
| Elizabeth Harrison | Population, Family, and Reproductive Health | 2011 |
| Alexo Esperato | Health Policy and Management | 2012 |
| Christine Buttorff | Health Policy and Management | 2012 |
| Sarah Khasawinah | Mental Health | 2012 |
| Laysha Ostrow | Mental Health | 2013 |
| Jeffrey Duong | Mental Health | 2013 |
| Barbara Condliffe | Sociology | 2013 |
| Kari Weber | Epidemiology | 2013 |
| Parichoy Pal Choudhury | Biostatistics | 2013 |
| Eric Roberts | Health Policy and Management | 2013 |
| Siri Warkentian | Sociology | 2013 |
| Julia Baller | Health Policy and Management | 2013 |
| Claudia Salzberg | Health Policy and Management | 2014 |
| Alene Kennedy Hendricks | Health Policy and Management | 2014 |
| Samira Soleimanpour | Population, Family, and Reproductive Health | 2014 |
| Katharine Shelley | International Health | 2015 |
| Luke Kalb | Mental Health | 2016 |
| Ryan Andrews | Mental Health | 2016 |
| Hillary Samples | Health Policy and Management | 2016 |
| Taruja Kamarker | Health Policy and Management | 2016 |
| Sachini Bandara | Health Policy and Management | 2016 |
| Lyndsey Ferris | Health Policy and Management | 2017 |
| Alex McCourt | Health Policy and Management | 2017 |
| Alex Secora | Epidemiology | 2017 |
| Prosenjit Kundu | Biostatistics | 2018 |
| Margaret (Jean) Flores | Health Policy and Management | 2018 |
| Bingkai Wang | Biostatistics | 2018 |
| Rheanna Platt | Graduate Training Program in Clinical Investigation | 2018 |
| Amelie Hecht | Health Policy and Management | 2018 |
| Molly Francis | Health Policy and Management | 2018 |
| Julia Burgdorf | Health Policy and Management | 2018 |
| Kayla Tormohlen | Mental Health | 2019 |
| Geoff Kahn | Mental Health | 2019 |
| Curtis Leung | Health Policy and Management | 2019 |
| Bonnie Smith | Biostatistics | 2019 |
| Daniel Antiporta | Epidemiology | 2019 |
| Sherri-Chanelle Breighthaupt | Mental Health | 2019 |
| Debra Bozzi | Health Policy and Management | 2019 |
| Trang Nguyen | Biostatistics | 2020 |

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|---------------------------|---|------|
| Kayte Andersen | Epidemiology | 2020 |
| Brendan Rabideau | Health Policy and Management | 2020 |
| Natalya Kostandova | Epidemiology | 2021 |
| Courtney Nordeck | Mental Health | 2021 |
| Leeya Correll | Population Family and Reproductive Health | 2021 |
| Elizabeth Stone | Health Policy and Management | 2021 |
| Claire Heffernan | Biostatistics | 2021 |
| Tyler Smith | Environmental Health and Engineering | 2021 |
| Sanjana Pampati | Emory Univ. Dept. Of Epidemiology | 2022 |
| Max Rubinstein | Carnegie Mellon Univ. Dept. of Statistics | 2022 |
| Kate Nelson | London School of Hygiene and Tropical Medicine, Statistics and Epidemiology | 2022 |
| Angela Liu | Health Policy and Management | 2022 |
| Jason Haw | Epidemiology | 2022 |
| Rui Chen | DrPH | 2022 |
| Christopher (Ross) Hatton | Health Policy and Management | 2023 |
| Kristin Bevilacqua | Population Family and Reproductive Health | 2023 |
| Jirka Taylor | Health Policy and Management | 2024 |
| Paul Rebman | Mental Health | 2025 |
| Fernando Mena-Carrasco | School of Nursing | 2025 |

Final Oral Exam Participation (PhD or DrPH)

| | | |
|------------------|---|------|
| Erin McDonald | Health, Behavior, and Society | 2007 |
| Xianbin Li | Biostatistics | 2008 |
| Chanelle Howe | Epidemiology | 2009 |
| Suzanne Goodwin | Health, Policy and Management | 2009 |
| Brian Lee | Epidemiology | 2009 |
| Beth Marshall | Population, Family, and Reproductive Health | 2009 |
| Leslie Thornton | Mental Health | 2009 |
| Nirali Shah | International Health | 2010 |
| Anna Christensen | Population, Family, and Reproductive Health | 2010 |
| Fengmin Zhao | International Health | 2010 |
| Alden Gross | Mental Health | 2010 |
| Julie Leis | Mental Health | 2010 |
| Amy Daniels | Mental Health | 2011 |
| Fang Tian | Epidemiology | 2012 |
| Lok Wong Samson | Health Policy and Management | 2012 |
| Benjamin Johns | International Health | 2012 |
| Nkemdiri Iruka | Health, Behavior, and Society | 2012 |
| Isadora Gil | Health Policy and Management | 2012 |
| David Hanna | Epidemiology | 2012 |
| Rebecca Evans | Health, Behavior, and Society | 2012 |

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|-------------------------|---|------|
| Ben Zablotzky | Mental Health | 2012 |
| Brian Weir | Health, Behavior, and Society | 2012 |
| Gregory Tung | Health Policy and Management | 2012 |
| Divya Nair | International Health | 2012 |
| Elizabeth Harrison | Population, Family, and Reproductive Health | 2013 |
| Lauren Pacek | Mental Health | 2013 |
| Megan Schuler | Mental Health | 2013 |
| Christina Sun | Health, Behavior, and Society | 2014 |
| Kara Rudolph | Epidemiology | 2014 |
| Alexo Esperato-Martinez | Health Policy and Management | 2014 |
| Marian Jarlenski | Health Policy and Management | 2014 |
| Laysa Ostrow | Mental Health | 2014 |
| Christine Buttorff | Health Policy and Management | 2014 |
| Julia Baller | Health Policy and Management | 2014 |
| Emily Adrion | Health Policy and Management | 2015 |
| Claudia Salzberg | Health Policy and Management | 2015 |
| Samira Soleimanpour | Population, Family, and Reproductive Health | 2015 |
| Hoon Byun (DrPH) | Health Policy and Management | 2016 |
| Yi Lu | Biostatistics | 2016 |
| Steve Sutch (DrPH) | Health Policy and Management | 2016 |
| Mariana Socal | International Health | 2017 |
| Katharine Shelley | International Health | 2017 |
| Krycia Cowling | Health Policy and Management | 2017 |
| Nicole Fusco | Epidemiology | 2017 |
| Kriti Jain | Health Behavior and Society | 2018 |
| Sachini Bandara | Health Policy and Management | 2018 |
| Elizabeth Humberstone | Education | 2018 |
| Margaret (Jean) Flores | Health Policy and Management | 2019 |
| Lindsey Ferris | Health Policy and Management | 2019 |
| Julia Burgdorf | Health Policy and Management | 2020 |
| Amelie Hecht | Health Policy and Management | 2020 |
| Kayla Tormohlen | Mental Health | 2020 |
| Molly Francis | Health Policy and Management | 2020 |
| Imke Mayer | EHESS, Ecole Polytechnique | 2021 |
| Debra Bozzi | Health Policy and Management | 2021 |
| Geoff Kahn | Mental Health | 2021 |
| Trang Nguyen | Biostatistics | 2021 |
| Sarah Robertson | Brown University Epidemiology | 2021 |
| Rheanna Platt | Graduate Training Program in Clinical Epidemiology | 2022 |
| Brendan Rabideau | Health Policy and Management | 2022 |
| Ayobami Akenroye | Epidemiology | 2022 |
| Max Rubinstein | Carnegie Mellon University | 2023 |
| Wanyu Huang | Engineering | 2023 |
| Natalya Kostandova | Epidemiology | 2023 |
| Elizabeth Stone | Health Policy and Management | 2023 |
| Avery Davis | School of Education | 2024 |

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|---------------------------|-------------------------------------|------|
| Sanjana Pampati | Emory Univ. School of Public Health | 2024 |
| Jason Haw | Epidemiology | 2024 |
| Christopher (Ross) Hatton | Health Policy and Management | 2024 |
| Rui Chen | DrPH | 2024 |
| Mary Cunningham | PhD, School of Education | 2025 |
| Ben Thornburg | Health Policy and Management | 2025 |

Training Grant Mentorship

Co-Sponsor, PI: Jirka Taylor (Johns Hopkins Bloomberg School of Public Health)
1F31DA064402; 7/23/25 – 6/30/27

Examining linkage to care after nonfatal opioid overdoses: A mixed-methods study

Co-Sponsor, PI: Elizabeth Stone (Johns Hopkins Bloomberg School of Public Health)
F31MH131311-01; 9/1/22 – 8/31/24

“The role of state agencies in mental health services for individuals with co-occurring intellectual and developmental disabilities and mental illness”

Co-Mentor, PI: Genevieve Graaf (University of Texas Arlington School of Social Work)
K01MH129991; 5/1/22-4/30/2026

“Assessing the impacts of Medicaid Home and Community Based Waivers for children with Severe Emotional Disturbance”

Co-Mentor, PI: Sunny Bai (Pennsylvania State University)
KL2 award; 5/22-4/24

“Crossover Effects of a Universal Adolescent Substance Use Prevention Program on Suicide Risk in Adulthood: Causal inference methods for studying mechanisms of change”

Co-Mentor, PI: Alina Schnake-Mal (Drexel University)
“Social and policy determinants and impacts on COVID-19 and influenza disparities”
(K01AI168579); 02/10/2022 - 02/01/2027

Co-Sponsor, PI: Kira Riehm (BSPH)
F31 award, National Institute of Mental Health (F31MH124330)
“Diagnostic, treatment, and health-related outcomes of depression screening in primary care settings: a longitudinal cohort study of adolescents”

Co-Mentor, PI: Catherine Lesko (BSPH)
K01 award, National Institute on Alcohol Abuse and Alcoholism (K01AA028193)
“Unhealthy alcohol use, other drug use, and mental health disorders: comorbidity burden in people with HIV, gaps in treatment, and impact on the HIV care continuum”

Co-Mentor, PI: John Jackson (BSPH)
K01 award, National Heart Lung and Blood Institute (NHLBI)

Co-Sponsor, PI: Geoff Kahn (BSPH)
F31 award, National Institute of Mental Health (F31MH120973)
“Predicting Suicide Attempts in Youth with Child Protective Services Contact”

Co-Mentor, PI: Alan Rathbun (University of Maryland)

Pilot Study, Claude D. Pepper Older Americans Independence Center
University of Maryland School of Medicine
“Characterizing the Heterogeneity and Role of Depression in Hip Fracture Recovery”

Advisor, PI: Catherine Maulsby (BSPH)
K01 award, National Institute of Mental Health (K01MH111388)
“An HIV Retention in Care Intervention for Black MSM in Baltimore with a Job Readiness Component”

Mentor, PI: Hwanhee Hong (BSPH/Duke)
K99 award, National Institute of Mental Health (K99MH111807)
“Estimating Population Effects in Mental Health Research Using Meta-Analysis”

Mentor/Research Supervisor, PI: John Jackson (BSPH)
NIH LRP

Classroom Instruction

Johns Hopkins University

| <u>Year</u> | <u>Course/Description</u> | <u>Enrollment</u> |
|-------------|--|-------------------|
| 2008 - | Estimating causal effects in medicine and public health Dept. of Biostatistics 140.664 (Onsite and online) | 50 - 120 |
| 2011 - | Seminar in statistical methods for mental health Dept. of Mental Health 330.805 | 10 - 25 |
| 2010 - | Estimating the effects of mental health interventions in non-experimental settings Mental Health Summer Institute | 5 - 21 |
| 2009 - | Missing data methods for mental health Research Mental Health Summer Institute | 4 - 12 |

Guest Lectures

| | |
|-----------|--|
| 2016-2017 | Public health perspectives on Autism Spectrum Disorders (D. Fallin and L. Li) |
| 2011 | Advanced Statistical Methods in Education Research (M. Stein) JHU School of Education ED.883.720 Instructor for 2 sessions on power analysis |
| 2009 | Doctoral Seminars in Epidemiology (S. Goodman) Co-instructor for 3 sessions on causal inference BSPH Epidemiology 340.863.01 |
| 2008-2011 | Seminars on Methods in Public Mental Health Research (P. Leaf) BSPH Mental Health 330.660.01 |
| 2006- | Prevention of Mental Disorders: Public Health Interventions (N. Ialongo and G. Rebok) |

2007-2010 BSPH Mental Health 330.607.01
Methodologic Challenges in Epidemiologic Research (D. Fallin, T. Glass,
S. Cole)
BSPH Epidemiology 340.754.01

Other institutions

2006 Causal Inference in Randomized Experiments and Observational Studies
Joint Program in Survey Methodology, University of Maryland

Other Teaching

“Statistical Inference for causal effects in experiments and observational studies through potential outcomes.”

Short course (with Donald B. Rubin and Samantha R. Cook)

Offered at the Food and Drug Administration (2003), Harvard University (2004), the Joint Statistical Meetings (2003), Karolinska Institute (Stockholm; 2004), the Medical College of Wisconsin (2003), the Conference of the Society for Multivariate Analysis in the Behavioral Sciences (SMABS, 2004), Smith College (2005), and the University of Minnesota (2003)

“Missing Data Methods in Criminology”

Department of Criminology, University of Maryland, April 2009, December 2011

“Applied Propensity Score Analysis II: Practical Considerations and Lessons for Use”
AcademyHealth webinar, January 2010 (> 100 attendees)

“The how, when, and why of the use of matching methods and propensity scores”
Advanced Quantitative Methods in Education Research, UCLA College of Education,
April 2010 (35 attendees)

Short course at the 2015 International Meeting of the Psychometric Society, Beijing,
China, July 2015

“Recent advances in missing data methods: Multiple Imputation by Chained Equations.”
AcademyHealth Annual Research Meeting methods seminar, June 2010 (80 attendees).

“Multiple imputation using chained equations”.

International Conference on Health Policy Statistics workshop, October 2011 (50
attendees)

“The how, when, and why of the use of matching methods and propensity scores”
American Statistical Association Philadelphia Chapter, Short Course, November 2011
(50 attendees)

Johnson and Johnson, April 2012 (100 attendees)

University of Pennsylvania Graduate School of Education, IES Training Program (25
attendees);

European Educational Research Association, Oslo, Norway, May 2014 (25 attendees).

“Introduction to methods for handling missing data”

BSPH Center for American Indian Health, January 2012 (15 attendees)

“The how, when, and why of the use of matching methods and propensity scores”
JHMI General Internal Medicine Fellows Program, November 2012

“Propensity score methods for estimating causal effects in pharmaceutical research: The why, when and how.”

ASA Biopharmaceutical Section/FDA Workshop, September 2014

American Statistical Association webinar, June 2015 (over 100 attendees)

Food and Drug Administration, July 2017

“Non-experimental study methods for psychiatry”

American Psychopathological Association, December 2022

RESEARCH GRANT PARTICIPATION

Principal Investigator

| <u>Title</u> | <u>Agency</u> | <u>Level</u> | <u>Budget Amount</u> |
|---|---------------------------------------|--------------|----------------------|
| Exploring Health and Wealth: Developing Novel Approaches to Understanding the Impact of Economic Precarity on Hospital Outcomes among Patients with Depression in the JHU System (1/1/22-12/31/22) Multi-PI, with Catherine Ettman and Peter Zandi | Hopkins Business of Health Initiative | NA | \$12,500 |
| Design and analysis advances to improve generalizability of clinical trials for treating opioid use disorder (9/15/22 – 6/30/2027) R01DA056407 multi-PI; contact PI: Kara Rudolph (Columbia University) | NIDA | 10% | \$770,972 |
| Combining data sources to identify effect moderation for personalized mental health treatment (8/19/2021-5/31/2025) R01MH126856 | NIMH | 10% | \$1,730,235 |
| Advanced computational approaches for integrating data to assess effect heterogeneity (11/1/2021-11/30/2025) ME-2020C3-21145 | PCORI | 10% | \$749,779 |
| Data integration for causal inference In behavioral health (7/1/2020-6/30/2025) T32MH122357 | NIMH | NA | \$1,217,290 |
| RAPID: Evaluating the impact of COVID-19 on labor market, social, | NSF | 1% | \$200,000 |

and mental health outcomes (2028683)

co-PI's: Bennett (USC), de Bruin (USC), Krueter (Maryland), Stuart (BSPH), Thrul (BSPH)

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|--|-------------------------------------|-----|-------------|
| Causal mediation methods for Studying mechanisms in mental health R01MH115487 | NIMH | 20% | \$1,309,834 |
| Training Program in Mental Health Services and Systems co-PI with Colleen Barry (2018-2020), Beth McGinty (2020-2022), Ramin Mojtabai (2023-), Matt Eisenberg (2025 -) (7/1/2018-6/30/2027) T32MH109436 | NIMH | NA | \$1,042,215 |
| Using propensity scores for causal inference with covariate measurement error (7/2013-6/2017) R01MH099010 | NIMH | 35% | \$1,119,057 |
| Estimating population treatment effects: Incorporating propensity scores with complex survey data (7/2015-6/2018) R305D150001 co-PI with Nianbo Dong | IES | 15% | \$798,022 |
| Statistical methods for using rigorous evaluation results to improve local education policy decisions (7/2015-6/2018) R305D150003 co-PI with Robert Olsen | IES | 15% | \$896,361 |
| Enhancing external validity in existing STEM evaluations (10/2013-9/2016) DRL-1335843 co-PI with Robert Olsen | NSF | 12% | \$796,205 |
| Estimating population effects of mental health interventions (8/2008-7/2013) K25MH083846 | NIMH | 75% | \$727,092 |
| Instrumental variables and propensity score methods when dealing with noncompliance (completed) | BSPH Faculty Innovations Fund | 20% | \$29,557 |

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|---|---------------------------|-----------------------------------|----------------------------------|
| Using administrative records to predict Census day residency (completed) | U.S. Census Bureau | 10% | \$210,000 |
| <i>Co-investigator</i> | | | |
| <u>Title</u> Evaluating and enhancing community Violence interruption effectiveness in the Nation's Capital City 4/3/23 – 12/31/26 | <u>Grant Number</u> NA | <u>PI</u> Webster & Richardson | <u>Agency</u> Arnold Ventures |
| Implementation of the federal 988 suicide and mental health crisis hotline policy: determinants and effects of state policy implementation financing strategies 9/1/22 – 8/31/26 | R01MH131649 | Purtle | NIMH |
| Methods for generalizing inferences from cluster randomized trials to target populations 2/4/2022 – 12/31/2025 (BSPH site-PI) | R01LM013616 | Dahabreh | NILM |
| Studying how state and local health services delivery policies can mitigate the effects of disasters on drug addiction treatment and overdose: A mixed methods study of COVID-19 8/1/2021-5/20/2025; \$1,727,672 (directs) | R01DA049789 | McGinty | NIDA |
| State Medical Cannabis Laws, Chronic Pain, and Opioids: A Mixed-Methods Approach | R01DA049789 | McGinty | NIDA |
| Using licensure authority to increase access to medications for opioid use disorder in specialty treatment | NA | Saloner | Arnold Ventures |
| Bloomberg Opioid Initiative (Evaluation core co-lead) | NA | Sharfstein | Bloomberg Philanthropies |
| ECHODAC: Environmental influences on child health outcomes data analysis center | U24ODO23382 | Jacobsen | NIH (Director) |
| Center to accelerate translation of interventions to decrease premature mortality in SMI (Methods core co-Director) | P50MH115842 | Daumit | NIMH |

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| Center for Opioid Policy Research (site PI) | P50DA046351 | Stein | NIDA |
| A national evaluation of Medicaid expansion on the prevention of child abuse and neglect, youth violence, and intimate partner violence | U01CE002947 | Letourneau | CDC |
| Site selection when participation is voluntary: Improving the external validity of randomized trials | R305D190020 | Olsen | IES |
| An evaluation of state laws intended to curb high-risk opioid prescribing | R01DA044987 | Rutkow/ McGinty | NIDA |
| Consumer-directed health plans and substance use disorder treatment | R01DA044201 | Barry | NIDA |
| Comorbid patterns with alcohol use disorders | R01AA016346 | Crum | NIAAA |
| Testing the efficacy of a developmentally- informed coping power program in middle schools | R305A140070 | Pas | IES |
| Impacts of payment reform on racial disparities in hospital psychiatric care | R01MD010255 | Slade | NIMHD |
| Impacts of payment reform on the organization of hospital care for persons with mental illness | R01MH107459 | Slade | NIMH |
| RAP club improving mental health and school performance in urban eighth graders | R305A160082 | Mendelson | IES |
| A trauma informed intervention to improve mental health and school success for urban eighth graders | R01HD090022 | Mendelson | NICHD |
| Statistical methods to correct for measurement error in self-reported dietary data from lifestyle intervention trials (site PI) | R01HL127491 | Siddique | NHLBI |
| Development & Malleability from childhood to adulthood | R01DA044184 | Ialongo | NIDA |

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| Evaluating Maryland state policies to improve school climate | R305H150027 | Pas | IES |
| Making better use of randomized trials: Assessing applicability and transporting causal effects | ME-1502-27794 | Dahabreh (Stuart: Site PI) | PCORI |
| Generalizing RCT Efficacy Evidence: application to NIDA Clinical Trials Network | R01DA036520 | Mojtabai | NIDA |
| Social Consequences of Mental Disorders: a Ten-Year Follow-up Study | R01MH096826 | Mojtabai | NIMH |
| Impact of Increasing Adolescent depression Literacy on Treatment-Seeking behavior | R01MH095855 | Wilcox | NIMH |
| Heterogeneity in Prevention Intervention Effects On Substance Use: A Latent Variable Causal Modeling Approach (PI on subcontract) | R01DA031698 | Jo | NIDA |
| Identifying Predictors of Program Implementation to Inform A Tailored Teacher Coaching Process | R305A130060 | Bradshaw | IES |
| Feasibility of Web-Based Coach Training to Support Classroom Prevention Programs | R21DA034206 | Ialongo | NIDA |
| Center for Prevention and Early Intervention | P30MH086043 | Ialongo | NIMH |
| Estimating mental health expenditures using national household survey data (PI on subcontract) | R21MH096285 | Slade | NIMH |
| SMI Dual Eligibles and Medicare Part D: Impact on Medication Continuity and Outcomes | R01MH079974 | Steinwachs | NIMH |
| Community violence & youth: Affect, behavior, academics (completed) | R01DA018318 | Cooley | NIDA |
| Center for the Prevention of Youth Violence | U01CE001954 | Leaf | CDC |
| Enhancing Safe Sleep Practices among Urban, Low-Income Mothers | R01HD072821 | Gielen | NICHD |
| Substance use disorder treatment under | R01DA035214 | Huskamp, | NIDA |

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| new payment and delivery system models | | Barry | |
| Implementation of Federal Mental Health Parity | R01MH093414 | Barry | NIMH |

ACADEMIC SERVICE

Johns Hopkins Bloomberg School of Public Health

Member, Committee on Finance, 2022 -
 Chair, Health Policy and Management Chair Search Committee, 2021
 Co-Chair, Onsite Instruction Restart Committee, 2021
 Executive Vice Dean of Finance and Administration Search Committee, 2020
 Co-Chair, Health Policy Statistician Faculty search, 2019
 Health Behavior and Society Department Review and Chair Search Committee, 2018
 Department of Biostatistics Faculty Search Committee, 2017-2018
 Department of Epidemiology Faculty Search Committee, 2017
 Committee on Academic Standards, 2016-
 Hopkins Population Center Faculty Coordinating Committee, 2016-
 JHU Leadership Development Program (LDP), 2016
 Committee on Appointments and Promotions, 2015-2016
 Faculty Search Committee, Department of International Health, 2015-2016
 Biostatistics Learning Advisory Committee, 2008-
 Strategic Plan Steering Committee, 2007-2008
 Department of Mental Health seminar coordinator, 2007
 Biostatistics and Mental Health Causal Inference Working Group Coordinator, 2007-
 Department of Mental Health Admissions Committee, 2008-2013

Johns Hopkins University

AI-X Foundry Academic Program Committee, 2023-
 Race Neutral Alternatives Admissions Group, 2023-
 PhD Collective Bargaining Agreement negotiating team, 2023-
 Middle States Commission on Higher Education re-accreditation self-study working group, 2022 -
 Vivien Thomas Scholars Initiative Working Group and Admissions Committee, 2021 -
 JHU Student Services Excellence Initiative Governing Council, 2020 - 2021
 JHU Teaching Academy Advisory Council, 2019 -
 Biomedical Workforce Taskforce, 2018 - 2019
 Johns Hopkins University inHealth Methodology Working Group, 2013-2015
 PhD Innovation Initiative Review Committee, 2013

PRESENTATIONS

Invited talks at scientific meetings

Using administrative records to predict Census day residency.

- Joint Statistical Meetings, Atlanta, GA, 2001.

Choosing well matched historical patients to supplement a randomized clinical trial.

- New England Statistics Symposium, Harvard University, Cambridge, MA, 2004.

Matching with multiple control groups and adjusting for differences between the groups.

- Joint Statistical Meetings, Minneapolis, MN, 2005.
- Mid-Atlantic causal inference workshop, Columbia University, New York, NY, 2005.

Estimating causal effects using school-level datasets.

- National Academy of Sciences Board on Testing and Assessment's Symposium on the Use of School-level Data, Washington, DC, 2005.

Dealing with control group dropout: Using historical patient information to supplement a randomized trial.

- Joint Statistical Meetings, Salt Lake City, UT, 2007.

Causal inference in education research.

- American Educational Research Association Dissertation Grants Conference, 2007.

Practical issues in implementing multiple imputation.

- Association for Public Policy Analysis and Management Annual Research Meeting, Washington, DC, 2007.

Discussion of "Is regression adjustment supported by the Neyman model for causal inference?" (P. Schochet).

- Association for Public Policy Analysis and Management Annual Research Meeting, Washington, DC, 2007.

Defining baseline using propensity score matching: Application to a clinical trial.

- International Conference of Health Policy Statistics, Philadelphia, PA, 2008.
- Sixth annual American Statistical Association Connecticut Chapter Mini-Conference on Applied Causal Inference, 2008.

Discussion of "Individual and contextual differences in treatment effects: New methodologies for experimental and observational research." Invited Discussion.

- Society for Prevention Research Annual Meeting, San Francisco, CA, 2008.

New Directions in Prevention Science: Statistical Methodology. (Invited talk in session "Emerging investigators and emerging ideas in prevention science.")

- Society for Prevention Research Annual Meeting, San Francisco, CA, 2008.

Assessing generalizability: Case study of PBIS.

- Statistical and Applied Mathematical Sciences Institute Summer 2008 Program on Meta-analysis: Synthesis and Appraisal of Multiple Sources of Empirical Evidence, Durham, NC, 2008.

Using propensity scores to select subjects for follow-up.

- Probability and Statistics Day, University of Maryland Baltimore County, 2009.

The use of propensity scores to assess generalizability.

- Atlantic Causal Modeling Conference, University of Pennsylvania, 2009.

Connections between *Experimental Designs* and non-experimental designs.

- Joint Statistical Meetings, Washington, DC, 2009.

Generalizing evidence from randomized clinical trials to target populations: The ACTG-320 trial.

- Joint Statistical Meetings, Vancouver, BC, Canada, 2010.

Estimating Causal Effects. (Invited discussant)

- American Political Science Association Annual Meeting, Washington, DC, 2010.

From propensity scores to prognosis scores: Matching methods in the context of principal stratification.

- Causal Inference in Health Research meeting, Centre de Recherche Mathematiques, Montreal, QC, Canada, 2011.

Challenging issues in the analysis of large-scale observational data: What you need to know.

- American Educational Research Association Grantee Meeting, Washington, DC, 2011.

Recent advances in estimating causal effects using prospective electronic clinical data.

- EDM Forum Methods Symposium, Washington, DC, 2011.

Statistical approaches to studying mediator effects in education research. (Invited discussant)

- Society for Research on Educational Effectiveness Spring 2012 Conference, Washington, DC, 2012.

Estimates of external validity bias when impact evaluations select sites purposively.

- Society for Research on Educational Effectiveness Spring 2012 Conference, Washington, DC, 2012.

Getting ready for propensity score methods: Designing non-experimental studies and selecting comparison groups.

- Office of Planning, Research, and Evaluation, Administrative for Children & Families, U.S. Department of Health and Human Service, Washington, DC, 2012.

Advances and challenges in propensity score matching. (Invited discussant)

- Society for Research on Educational Effectiveness Spring 2013 Conference, Washington, DC, 2013.

Strategies for dealing with covariate measurement error in propensity scores.

- Society for Research on Educational Effectiveness Spring 2013 Conference, Washington, DC, 2013.
- Joint Statistical Meetings, Boston, MA, 2014

Statistical methods for assessing and enhancing external validity of randomized experiments.

- AcademyHealth Annual Research Meeting, Baltimore, MD, 2013.
- Association for Psychological Science Annual Meeting, Washington, DC, 2013.
- Health Services Research Network, The Health Foundation, London, UK, 2014

Methods for assessing sensitivity to unobserved confounding in non-experimental studies.

- AcademyHealth Annual Research Meeting, Baltimore, MD, 2013.

Identifying Elements of Your Intervention that Generate Positive Impacts: Methodological Progress for Experimental Research. (Invited discussant)

- Office of Planning, Research, and Evaluation, Administrative for Children & Families, U.S. Department of Health and Human Service, Welfare Research and Evaluation Conference, Washington, DC, 2013.

Innovations in Propensity Score Methods for Addressing New Causal Questions in Observational Studies. (Invited discussant)

- Joint Statistical Meetings, Montreal, Canada, 2013.

Model Selection and Uncertainty in Causal Effect Estimation. (Invited discussant)

- Joint Statistical Meetings, Montreal, Canada, 2013.

Using propensity scores and difference-in-differences methods to estimate the effects of mental health parity.

- International Conference on Health Policy Statistics, Chicago, IL, 2013.

Statistical methods for data synthesis. (Invited discussant)

- International Conference on Health Policy Statistics, Chicago, IL, 2013.

Assessing external validity: A discussion of setting standards. (Roundtable leader)

- American Evaluation Association Annual Meeting, Washington, DC, 2013.

Reweighting methods for generalizing results from RCTs.

Propensity score methods for estimating causal effects

- National Academy of Sciences Meeting on Observational Studies, for the National Institute of Aging, 2014.
- Society for Epidemiologic Research Annual Meeting, Seattle, WA, 2014.

Assessing methods for generalizing experimental impact estimates to target samples

- Atlantic Causal Inference Conference, Brown University, 2014

Bayesian approaches for handling differential covariate measurement error in propensity score methods

- International Biometrics Conference, Florence, Italy, 2014

Statistical Challenges in Education Research (Invited Discussant)

- Joint Statistical Meetings, Boston, MA, 2014

Using big data to estimate population treatment effects

- Workshop on big data in health policy, The Fields Institute, Toronto, Canada, 2015

“Implications of and solutions for covariate measurement error and differential covariate measurement across treatment groups.”

- FDA/University of Maryland M-CERSI workshop on “Methodological Considerations to address Unmeasured Health Factors in Pharmacoepidemiology Studies that Rely on

Electronic Healthcare Databases to Evaluate the Safety of Regulated Pharmaceutical Products in the Post-approval Setting.” Silver Spring, MD, May 2015.

- International Meeting of the Psychometric Society, Beijing, China, July 2015
- University of Illinois at Chicago Department of Psychiatry Division of Biostatistics and Epidemiology. Chicago, IL, January 2016.

Statistical methods for implementation science

- Center for AIDS research conference on social and behavioral sciences, Baltimore, MD, October 2015

Estimating population treatment effects for public health interventions

- Dean’s Lecture, BSPH, Baltimore, MD, February 2016
- Ross-Royall Symposium on population inference, BSPH, Baltimore, MD, February 2016

Invited discussion on big data

- Refining the concept of scientific inference when working with big data. A workshop of the Committee on Applied and Theoretical Statistics, The National Academies of Sciences, Engineering, Medicine. Washington, DC, June 2016

Methods for assessing and enhancing the external validity of randomized trials

- Keynote lecture, ActStat annual meeting, Chicago, IL, July 2016.
- Keynote lecture, United Kingdom Causal Inference Meeting (UK CIM), University of Essex, April 2017.
- Stockholm Conference on Behavioral and Social Intervention Research: Premises, Challenges, and Revisiting Positions. Stockholm, Sweden, May 2017.
- World Psychiatric Association Epidemiology and Public Health section. New York, NY, May 2018.

Machine learning methods for causal inference in non-experimental studies

- Joint Statistical Meetings, Baltimore, MD, August 2017.

Discussion, Statistical methods for suicide research

- Joint Statistical Meetings, Baltimore, MD, August 2017.

Discussion, Collecting comprehensive and representative input

- US Food and Drug Administration Stakeholder Meeting, December 2017.

Invited moderator, Session on use of historical patient data in single arm trials

- Friends of Cancer Research Annual Meeting, Washington, DC, October 2018.

Consequences of effect heterogeneity when predicting site-level impacts

- US Department of Education PI’s meeting, Washington, DC, January 2019.

Confounding? Assumptions? Huh? Mediation analysis in the psychology and psychiatry literature.

- University of Florida Department of Statistics meeting on Causality and Mediation, Gainesville, FL, January 2019.

Propensity score methods for estimating policy effects

- Society for Epidemiologic Research webinar (> 150 attendees); March 2019

Opportunities for, and complexities of, using real world data

- NISS/Merck Webinar meet-up (> 320 attendees); April 2019

Data and methods for estimating the effects of state opioid policies

- National Academies of Science Engineering and Medicine; Committee on Applied and Theoretical Statistics; June 2019

Discussion: Evaluating strategies to reduce gun violence

- National Institute of Statistical Sciences Ingram Olkin Statistics Serving Society (S3) Forum; June 2019

Keynote Speaker, Assessing and enhancing the external validity of randomized trials

- Australasia Epidemiologic Association Annual Meeting, Brisbane, Australia; October 2019

The landscape for evaluation of programs and policies to reduce the consequences of the opioid epidemic

- International Conference on Health Policy Statistics, San Diego, January 2020

Invited discussant, “Leveraging existing data on the opioid epidemic to quantify risk and inform policy”

- International Conference on Health Policy Statistics, San Diego, January 2020

Statistical questions, and challenges, for estimating the effects of opioid-related policies and programs

- International Conference on Health Policy Statistics, San Diego, January 2020

The use of synthetic control and other covariate adjustment strategies for policy evaluation

- International Conference on Health Policy Statistics, San Diego, January 2020

Accounting for differences in population: Predicting intervention impact at scale

- Society for Prevention Research, virtual conference, June 2021

The future of methods and measures in education research

- National Academies of Sciences, Engineering, and Medicine meeting on The Future of Education Research and the Institute of Education Sciences in the US Department of Education, virtual meeting, July 2021

Combining experimental and non-experimental data to examine treatment effect heterogeneity

- American Psychopathological Association, New York City, March 2023

Other talks and posters at scientific meetings presented by E.A. Stuart

Matching using two control groups.

- Joint Statistical Meetings, San Francisco, CA, 2003.

Individual-level multiple systems estimation: Predicting Census day residency.

- Joint Statistical Meetings, Toronto, Ontario, 2004.

Estimating causal effects using multiple control groups.

- Conference for the Society for Multivariate Analysis in the Behavioral Sciences (SMABS), Jena, Germany, 2004.

Using historical patients to supplement a randomized trial.

- Biennial CDC and ATSDR Symposium on Statistical Methods, Washington, DC, 2005.

Estimation of state-level standardized food stamp participation rates.

- Joint Statistical Meetings, Seattle, WA, 2006.

Design and implementation of case-control matching to estimate the effects of value-added assessment.

- American Educational Research Association Meeting, San Francisco, CA, 2006.

Making use of limited resources: Optimal selection of subjects for follow-up.

- Society for Prevention Research Annual Meeting, Washington, DC, 2007.
- Prevention Science Methodology Group conference. Baltimore, MD, 2008.
- Society for Prevention Research Annual Meeting, Washington, DC, 2009.

Using Full Matching to Estimate Causal Effects in Non-Experimental Studies: Examining the Relationship between Adolescent Marijuana Use and Adult Outcomes.

- Society for Epidemiologic Research, Boston, MA, 2007.
- Society for Prevention Research Annual Meeting, San Francisco, CA, 2008.

Handling missing data: The motivation and method of multiple imputation.

- 21st Annual Research Conference: A System of Care for Children's Mental Health: Expanding the Research Base. Tampa, FL, 2008.

Assessing generalizability: Case study of PBIS.

- Society for Prevention Research Annual Meeting, Washington, DC, 2007.
- 2nd Annual NIH conference on the science of dissemination and implementation: Building research capacity to bridge the gap from science to service. Bethesda, MD, 2009.
- American Public Health Association Annual Meeting, Philadelphia, PA, 2009.
- Society for Prevention Research Annual Meeting, Washington, DC, 2011.

Combining experimental and population data: Moving towards external validity.

- Banff International Research Station Workshop on Causal Inference, Banff, Canada, 2009.

Estimating mediation using propensity score matching.

- Society for Prevention Research Annual Meeting, Washington, DC, 2009.

Balance metrics for propensity score methods.

- Joint Statistical Meetings, Miami Beach, FL, 2011.

Using multiple imputation – external calibration for propensity score estimation in the presence of covariate measurement error

- Society for Research in Educational Effectiveness Annual Meeting, March 2013
- National Council on Measurement in Education Annual Meeting, April 2014
- Society for Prevention Research Annual Meeting, May 2015

Bayesian approaches for handling differential covariate measurement error in propensity score methods

- International Biometrics Society Conference, Florence, Italy, July 2014

Invited Discussant, Session on Integrative Data Analysis

- Gerontological Society of America, Washington, DC, November 2014

Keynote speaker, Causal inference

- University of Umea Winter Conference in Statistics, Borgafjall, Sweden, March 2015

Combining Propensity Score Methods and Complex Survey Data to Estimate Population Treatment Effects.

- Society for Research on Educational Effectiveness Annual Meeting, Washington, DC, March 2016

Invited Discussant, Recent advances in matching methods for non-experimental studies

- Joint Statistical Meetings, Chicago, IL, July 2016

Recent advances in non-experimental comparison group designs

- Building Strong Evidence in Challenging Contexts: Alternatives to traditional randomized controlled trials. Office of Planning Research and Evaluation, Administration for Children & Families, U.S. Department of Health and Human Services, September 2016

Keynote speaker, Moving towards external validity: Methods for assessing the generalizability of randomized trial results to target populations

- ActStat Annual Meeting, Chicago, IL, August 2016

Using historical patient data to estimate population treatment effects

- ENAR Spring Meeting, International Biometric Society, Washington, DC, March 2017

Mediation analyses to examine behavioral interventions

- Association for Behavioral and Cognitive Therapies, online, November 2020

Using stacked comparative interrupted time series methods for opioid policy evaluation

- ENAR Spring Meeting, International Biometric Society, virtual, March 2021
- Invited discussant, fusion designs for epidemiologic research
- Society for Epidemiologic Research annual meeting, Chicago, IL, June 2022

The role of epidemiology in expert consensus panels

- Society for Epidemiologic Research annual meeting, Chicago, IL, June 2022

Invited discussant, fusion designs for epidemiologic research

- Society for Epidemiologic Research annual meeting, Chicago, IL, June 2022

Scientific communication for epidemiologists during the COVID-19 pandemic

- Society for Epidemiologic Research annual meeting, Chicago, IL, June 2022

Discussant, Statistical methods for studying disparities

- Joint Statistical Meetings, Washington, DC, August 2022

Discussant, Making meta-analysis easy

- Society for Research on Educational Effectiveness annual meeting, Alexandria, VA, September 2022

Invited Discussant, Plenary (Dr. Sherry Glied)

- International Conference on Health Policy Statistics, Scottsdale, AZ, January 2023

Invited Colloquia

Matching methods for estimating causal effects using multiple control groups.

- Williams College Department of Mathematics and Statistics, Williamstown, MA, 2003.
- Colby College Department of Mathematics and Statistics, Waterville, ME, 2003.
- Georgetown University Department of Biostatistics, Washington, DC, 2003.
- Boston University Veteran's Administration, Bedford, MA, 2004.
- Harvard University Department of Government, Cambridge, MA, 2004
- University of Washington Department of Biostatistics, Seattle, WA, 2004.
- University of Pennsylvania Department of Statistics, Philadelphia, PA, 2004.
- The RAND Corporation, Santa Monica, CA, 2004.
- Mathematica Policy Research, Inc., Washington, DC, 2004.
- Harvard University Department of Biostatistics, Boston, MA, 2004.

Evaluation of a school dropout prevention program: Estimation of causal effects through matching.

- Smith College Department of Mathematics, Northampton, MA, 2005.

Propensity score matching methods for estimating the effect of a school-level intervention.

- Johns Hopkins University Department of Mental Health, Washington, DC, 2006.

Causal Inference in Political Science and Public Policy Research: Matching as Nonparametric Preprocessing for Improving Parametric Causal Inference.

- George Washington University Institute of Public Policy, Washington, DC, 2006.

Propensity score matching with multiple control groups.

- Johns Hopkins University Department of Economics and Department of Biostatistics Causal Inference Workshop, Baltimore, MD, 2006.
- Prevention Science & Methodology Group, 2007.

Defining "baseline" in a propensity score matching analysis: Application to a clinical trial.

- The RAND Corporation, Washington, DC, 2006.

Statistical methods: Focus on experiments and their complications.

- CHIPS Summer Training Institute, Baltimore, MD, 2007.

Propensity scores and matching methods in education research: Designing observational studies.

- U.S. Department of Education, Washington, DC, 2007.

What happens when some of the controls get the treatment? Connections to propensity scores, modeling, and clinical trial simulation.

- U.S. Food and Drug Administration, Rockville, MD, 2007.

Making use of limited resources: Optimal selection of subjects for follow-up.

- Prevention Science & Methodology Group, 2007.
- Prevention Science & Methodology Group biannual conference, Baltimore, MD, 2008.

Propensity score matching methods for examining the relationship between adolescent drug use and adult outcomes.

- The University of Chicago, Department of Health Studies, Chicago, IL, 2007.
- The Methodology Center, The Pennsylvania State University, State College, PA, 2007.
- Initiative in Population Research, Ohio State University, Columbus, OH, 2008.

Principal stratification in experimental and non-experimental studies.

- American Institutes for Research, Washington, DC, 2008.

The use of propensity scores in mental health research.

- Department of Mental Health, BSPH, 2009.

Practical issues in the use of propensity score methods.

- Stat-Epi Group, BSPH, 2009.
- Department of Mathematics and Statistics, University of Maryland Baltimore County, 2009.

The use of propensity scores to assess generalizability.

- BEAR Program, Graduate School of Education, University of California at Berkeley, Berkeley, CA, 2008.
- Biostatistics Division, Department of Psychiatry, Columbia University, 2009.
- Department of Measurement, Statistics, and Evaluation, University of Maryland College of Education, 2010.
- Department of Biostatistics, UCLA, 2010.
- Department of Biostatistics and Epidemiology, McGill University, 2010.
- Prevention Science Methodology Group, 2010.
- Division of Biostatistics, University of Maryland Marlene and Stewart Greenebaum Cancer Center, Department of Epidemiology and Public Health, 2010.
- Institute of Statistics, Ludwig-Maximilians-University, Munich, Germany, 2011.
- Institute of Psychiatry, University of Jena, Germany, 2011.
- Institut für Arbeitsmarkt-und Berufsforschung, Nuremberg, Germany, 2011.

Recent advances in propensity score methods: Estimation and balance checking.

- Welch Center for Prevention, Epidemiology, and Clinical Research, Johns Hopkins

Medical Institutions, April 2012.

What propensity scores can and can't do for you

- Prevention Science Methodology Group, 2012.

Assessing the generalizability of randomized trial results in education and public policy.

- National Opinion Research Center (NORC), Bethesda, MD, 2012.
- The Urban Institute, Washington, DC, 2012.
- Northwestern University Institute for Policy Research, Evanston, IL, 2012.
- Harvard University Graduate School of Education, Dean's Distinguished Lecture, Cambridge, MA, 2012.
- Social Experiments in Practice: The why, when, where, and how of experimental design & analysis, Abt Associates 50th Anniversary, Washington, DC, 2014.
<http://www.appam.org/social-experiments-in-practice-the-why-when-where-and-how-of-experimental-design-analysis/>

Recent advances in propensity score methods: Balance checking and sensitivity analysis

- Abt Associates, Bethesda, MD, 2012
- University of Maryland, Department of Measurement, Statistics, and Evaluation, College Park, MD, 2014

Propensity score methods II: The how (of matching), how well (diagnostics), and what if (complications)?

- Pennsylvania State University IES Training Program Summer Institute, State College, PA, 2013.

Leveraging 'big data' to estimate population treatment effects.

- Curry School of Education, University of Virginia, Dean's Lecture, Charlottesville, VA, 2013.

Propensity score methods for when covariates are measured with error

- Georgetown University Department of Biostatistics, Washington, DC, 2014
- The RAND Corporation, Jointly sponsored by the Statistics group and the Center for Causal Inference, Alexandria, VA, 2014
- DCEG Biostatistics Branch, National Cancer Institute, the National Institutes of Health, 2015

Applying propensity score methods in psychiatry and psychology: Case study of suicide prevention using Danish registry data

- Johns Hopkins Medicine Department of Psychiatry Research Conference, 2014

Panel on patient centered outcomes research

- Johns Hopkins Bloomberg School of Public Health, 2014

The effects of federal parity legislation on mental health service use among children with Autism Spectrum Disorders

- Center for Health Services and Outcomes Research and Wendy Klag Center for Autism and Developmental Disabilities, Johns Hopkins Bloomberg School of Public Health, 2015

PCORI and the Clinical Trials Advisory Panel: Perspectives from Year 1

- Prevention Science Methodology Group, 2015
- Center for Clinical Trials, Johns Hopkins University, 2015

The use of big data to assess and enhance external validity

- McCourt School of Public Policy, Initiative in Big Data, Georgetown University, 2015
- Interdisciplinary Seminar in Quantitative Methods, University of Michigan, 2015
- Department of Biostatistics, Institute of Psychiatry, King's College London, 2015
- Penn State University, Prevention Research Center and Methodology Center joint seminar series, 2016
- University of North Carolina at Chapel Hill, Causal Inference Working Group, December 2016
- Department of Statistics, University of Pennsylvania Wharton School of Business, December 2016

Using propensity scores with complex survey data

- National Center for Health Statistics, Hyattsville, MD, 2015
- Westat, Rockville, MD, 2015

Confronting unobserved confounding by using sensitivity analyses in non-experimental studies in education and health policy

- Mathematica Policy Research, Inc., Washington, DC, 2015

Using administrative data to estimate causal effects

- The Health Foundation, London, England, 2015

Using synthetic control groups to estimate the effects of policy changes

- Mathematica Policy Research, Inc., Washington, DC, 2015

Why should we care about who enrolls in a randomized trial? Assessing and enhancing the generalizability of trials to target populations

- Johns Hopkins Medicine Department of Psychiatry Research Conference, October, 2016

Assessing and enhancing the generalizability of randomized trials to target populations

- Dartmouth College, Hanover, NH, October 2016
- Harvard University Institute for Quantitative Social Science, Cambridge, MA, March 2017
- Melbourne School of Population and Global Health, Melbourne, Australia, November 2017

External validity and the generalizability of randomized trial results to target populations

- Dartmouth College, Hanover, NH, October 2016
- University of Michigan Department of Biostatistics, Ann Arbor, MI, April 2018
- Harvard University Department of Biostatistics, Boston, MA, September 2018
- Vanderbilt University Department of Biostatistics, Nashville, TN, October 2018

- Facebook, San Jose, CA, April 2019
- Columbia University Department of Biostatistics, New York, NY, May 2019
- American University Department of Mathematics and Statistics, Washington, DC, October 2019
- Yale University Department of Biostatistics, virtual, September 2020
- University of Wisconsin Department of Biostatistics, virtual, October 2020
- Mental Health Research Network Methods Special Interest Group, virtual, October 2020
- University of California – San Diego School of Public Health Grand Rounds, virtual, May 2021
- Indiana University School of Public Health, virtual, April 2022

Propensity score methods in the context of covariate measurement error

- School of Public Health & Preventive Medicine, Monash University, Melbourne, Australia, November 2017

Moderator, Conventions for handling incomplete/missing data

- Mini-symposium series in HIV methods @ JHU, Baltimore, MD, November 2017

Introduction to propensity score methods

- National Cancer Institute, April 2018
- American Association for Public Opinion Research, webinar, virtual, April 2022

The opportunities, and challenges, in policy evaluation during the COVID-19 pandemic

- Brown University Data Science Institute Decoding Pandemic Data seminar, virtual, October 2020
- London School of Economics Department of Statistics, virtual, February 2021

Measuring population-level mental health during the COVID-19 pandemic

- Oxford University Center for Evidence-Based Intervention, Department of Social Policy and Intervention, Effects of COVID-19 on social and behavioral outcomes seminar series, virtual, October 2020

The role of data science in policy evaluation during the COVID-19 pandemic

- International Program in Survey and Data Science, CONNECT Annual Meeting, virtual, June 2021
- Harvard Data Science Initiative, virtual, October 2021
- University of North Carolina, Chapel Hill, Causal Inference Working Group, virtual, March 2022
- University of Washington Center for Statistics and the Social Sciences, Seattle, WA, March 2022

Policy evaluation in the real world

- International Conference on Health Policy Statistics, Scottsdale, AZ, January 2023

Challenges to statistical approaches for health equity

- Data Science for Health Equity, Genomics England, and the Alan Turing Institute, virtual, January 2023

The best (and worst?) of both worlds: Combining randomized trial and electronic health record data to examine treatment effect heterogeneity

- Harvard/Karolinska CAUSALab, virtual, April 2023
- Department of Statistics, University College London, virtual, May 2023
- Division of Quantitative Sciences, Kimmel Cancer Center, Johns Hopkins University, February 2023
- Harvard Data Science Institute Causal Inference Group, April 2024
- National Academy of Sciences, Engineering, and Medicine Federal Statistics AI Day, May 2024

Causal designs for studying policy and system changes

- National Academy of Sciences Engineering and Medicine, Board on Health Care Services, April 2024

ADDITIONAL INFORMATION

Personal statement of research and research objectives

Trained as a statistician, my primary research interests are in the development and use of methodology to better design and analyze the causal effects of public health and educational interventions. In this way I hope to bridge statistical advances and research practice, working with mental health and educational researchers to identify and solve methodological challenges.

I am particularly interested in the trade-offs in different designs for estimating causal effects, especially in terms of improving internal validity of non-experimental studies and external validity of randomized studies. This translates into two primary research areas. First, one of my primary research areas is in the use of propensity score methods for estimating causal effects in non-experimental studies (essentially as a tool to improve internal validity and reduce confounding). My interests in this area include providing advice for researchers in terms of best practice for estimation, diagnostics, and use of propensity score methods. This also includes investigation of how to handle complexities in propensity score methods, including multilevel data settings, covariate measurement error, and complex survey data. My second primary research area is in methods to assess and enhance the external validity (generalizability) of randomized trial results and enable policymakers to determine how applicable the results of a particular randomized study are to their own target population. I also have interests in policy evaluation using large-scale data sources.

Keywords

Bayesian modeling, biostatistics, causal inference, external validity, generalizability, multi-level modeling, observational study, prevention research, propensity scores