

CURRICULUM VITAE

Rebecca A. Hubbard, PhD

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EDUCATION

2007 PhD, Biostatistics, University of Washington, Seattle, WA
2002 MSc, Applied Statistics, with Honors, Oxford University, Oxford, UK
2001 MSc, Epidemiology, University of Edinburgh, Edinburgh, UK
1999 BS, Ecology & Evolution, Summa Cum Laude, University of Pittsburgh, Pittsburgh, PA

ACADEMIC APPOINTMENTS

2024 – Present Professor of Biostatistics and Data Science, Brown University School of Public Health
2024 – Present Carl Kawaja and Wendy Holcombe Professor of Public Health, Brown University School of Public Health
2024 – Present Member, Legoretta Cancer Center, Brown University
2024 – Present Adjunct Professor, Department of Biostatistics, Epidemiology & Informatics, Perelman School of Medicine, University of Pennsylvania
2025 Acting Chair, Department of Biostatistics, Brown University School of Public Health
2022 – 2024 Vice Chair for Faculty Professional Development, Department of Biostatistics, Epidemiology & Informatics, Perelman School of Medicine, University of Pennsylvania
2020 – 2024 Member, Abramson Cancer Center, Perelman School of Medicine, University of Pennsylvania
2020 – 2022 Deputy Director, Division of Biostatistics, Department of Biostatistics, Epidemiology & Informatics, Perelman School of Medicine, University of Pennsylvania
2020 – 2024 Professor, Department of Biostatistics, Epidemiology & Informatics, Perelman School of Medicine, University of Pennsylvania
2018 – 2024 Senior Fellow, Institute for Biomedical Informatics, Perelman School of Medicine, University of Pennsylvania
2014 – 2024 Senior Scholar, Center for Clinical Epidemiology & Biostatistics, Perelman School of Medicine, University of Pennsylvania
2009 – 2014 Affiliate Assistant Professor, Department of Biostatistics, University of Washington

- 2014 – 2020 Associate Professor, Department of Biostatistics, Epidemiology & Informatics, Perelman School of Medicine, University of Pennsylvania
- 2014 – 2017 Affiliate Associate Professor, Department of Biostatistics, University of Washington

OTHER EMPLOYMENT

- 2013 – 2014 Associate Investigator, Group Health Research Institute
- 2008 – 2013 Assistant Investigator, Group Health Research Institute
- 2007 – 2008 Senior Fellow, National Alzheimer’s Coordinating Center, University of Washington
- 2002 – 2007 Graduate Research Assistant, Department of Biostatistics, University of Washington

AWARDS AND HONORS

- 2024 Research Excellence Award, ASA Philadelphia Chapter
- 2023 Gertrude M. Cox Award, Washington Statistical Society
- 2021 Jane M. Glick Graduate Student Teaching Award, Perelman School of Medicine, University of Pennsylvania
- 2020 American Statistical Association Health Policy Statistics Section Mid-Career Award
- 2019 Samuel L. Martin Health Evaluation Sciences Award, University of Pennsylvania
- 2019 Excellence in Teaching Award, Master of Science in Health Policy Research Program, University of Pennsylvania
- 2019 Fellow, American Statistical Association
- 2019 Penn Fellow, University of Pennsylvania
- 2008 David P. Byar Young Investigator Award, Biometrics Section of the American Statistical Association, Joint Statistical Meetings, Denver, CO
- 2007 Best Paper, Western North American Region (WNAR) of the International Biometric Society Student Paper Competition, Irvine, CA
- 2007 Best Oral Presentation, Western North American Region (WNAR) of the International Biometric Society Student Paper Competition, Irvine, CA
- 2007 Outstanding Student Award, University of Washington Department of Biostatistics
- 2006 – 2007 Magnuson Scholar, University of Washington School of Public Health
- 2004 Donovan J. Thompson Award, University of Washington Department of Biostatistics
- 2000 – 2002 Marshall Scholar
- 1999 Phi Beta Kappa

PROFESSIONAL ORGANIZATIONS

- 2005 – Present Member, American Statistical Association
- 2005 – Present Member, International Biometric Society
- 2022 – Present Member, Caucus for Women in Statistics and Data Science

PROFESSIONAL ACTIVITIES

International

- Reviewer Dutch Cancer Society, 2012, 2015
Netherlands Organisation for Scientific Research, 2015, 2019
Canadian Institute for Health Research SPOR Innovative Clinical Trials, 2017, 2019
French National Cancer Institute, 2018
- Conferences Scientific Organizing Committee, International Conference on Health Policy Statistics, 2018
- Editorial Editorial Advisory Committee, International Biometric Society, 2018 – 2024
Editor-in-chief, Biostatistics, 2023 – Present

National

- Leadership Chair-elect (2017), Chair (2018), Past Chair (2019), American Statistical Association Biometrics Section
Council of Sections Representative to the Board of Directors, American Statistical Association, 2020 – 2022
Chair, Elizabeth L. Scott Award Selection Committee, Committee of Presidents of Statistical Societies, 2021 – 2022
Chair, Committee of Presidents of Statistical Societies, 2025 – Present
Co-Chair, International Conference on Health Policy Statistics, Health Policy Statistics Section, American Statistical Association, 2025 – Present
- Reviewer NIH Resource Centers for Minority Aging Research Special Emphasis Panel, 2012
Cancer Research Network Research Scholars Program, 2014
PCORI Assessment of Prevention, Treatment, and Diagnosis Options panel, 2014
NIH Health Services Organization and Delivery Study Section *Ad Hoc Reviewer*, 2014, 2016, 2018
NIH Healthcare Delivery and Methodologies Member Conflicts Special Emphasis Panel, 2015 – 2017
NIH Health Services Research on Minority Health and Health Disparities Special Emphasis Panel, 2016
PCORI Improving Methods for Conducting PCOR Review Panel, 2018
NCI Clinical and Translational Exploratory/Developmental Studies Special Emphasis Panel, 2018
NCI Biostatistics Branch Site Visit Team, 2018
NIH Biomedical Computing and Health Informatics Member Conflicts Special Emphasis Panel, 2019
NIH Community Influences on Health Behavior Study Section *Ad Hoc Reviewer*, 2020
NIH Interdisciplinary Clinical Care in Specialty Care Settings Study Section, Standing Panel Member, 2021 - 2025
- Conferences Program committee, JSM (WNAR representative), 2010 – 2011

	Program committee, JSM (Biometrics section representative), 2013 – 2015
	Program committee, ENAR (ASA Health Policy Statistics Section Representative), 2018
Committees	Panelist, NIH Pathways to Prevention: Total Worker Health, 2015
	Byar Award Selection Committee, American Statistical Association Biometrics Section 2015 – 2019
	Committee on Care Interventions for Individuals with Dementia and Their Caregivers, National Academies of Science, Engineering, and Medicine, 2018
	Elizabeth L. Scott Award Selection Committee, Committee of Presidents of Statistical Societies, 2019 – 2021
	Committee on Scientific Freedom and Human Rights, American Statistical Association, 2019 – 2022
	Committee on Applied and Theoretical Statistics, National Academies of Science, Engineering, and Medicine, 2021 – Present
	Executive Committee for Oncology Quality Characteristics and Assessment of Real-world Data (QCARD) Initiative, Reagan-Udall Foundation for the FDA, 2021 – 2023
	Committee on Review of Evidence on Alcohol and Health, National Academies of Science, Engineering, and Medicine, 2023 – 2024
	Editor Search Committee, Journal of the American Statistical Association: Applications and Case Studies, 2024.
DSMB	Systematic Multidomain Alzheimer's Risk Reduction Trial, 2018 – 2021
Editorial	Associate Editor, Pharmacoepidemiology & Drug Safety, 2017 – 2021
	Editorial Board, Journal of Clinical Oncology 2020 – 2022
	Associate Editor, Observational Studies, 2021 – 2022
	Statistical Editor, New England Journal of Medicine, 2021 – Present
	Associate Editor, Statistics in Medicine, 2021 – 2022
	Associate Editor, Journal of the American Statistical Association: Applications and Case Studies, 2022 – Present

Brown University

Committees	Faculty search committee, Department of Biostatistics and Data Science Institute, 2025
	Faculty search committee, Department of Health Services, Policy & Practice, 2024
	Faculty search committee, Legoretta Cancer Center and Department of Biostatistics, 2024
	Masters' Admissions Committee, Department of Biostatistics, 2024
	Nominations committee, Department of Biostatistics, 2025 – present
	Research committee, Department of Biostatistics, 2025 – present
	Operations committee, Department of Biostatistics, 2025 – present
	Marshall Scholarship Review Committee, 2025 – present

University of Pennsylvania

Leadership	<p>Chair, Academic Advising & Review Committee, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, 2017-2020</p> <p>Executive Committee, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, 2018-2022</p> <p>Leadership Advisory Council, Department of Biostatistics, Epidemiology & Informatics, 2019-2020</p> <p>Chair, Faculty Recruitment Committee, Biostatistics Division, Department of Biostatistics, Epidemiology & Informatics, 2019-2023</p> <p>Executive Committee, Center for Pharmacoepidemiology Research & Training, Department of Biostatistics, Epidemiology & Informatics, 2021-2024</p> <p>Chair, Health Evaluation Sciences Awards Committee, Perelman School of Medicine, 2021-2023</p>
Committees	<p>Admissions Committee, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, 2015-2017</p> <p>Examinations Committee, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, 2016-2018</p> <p>Awards Committee, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, 2016-2018</p> <p>Faculty Recruitment Committee, Biostatistics Division, Department of Biostatistics, Epidemiology & Informatics, 2016-2019</p> <p>Biostatistics Division Director Recruitment Committee, Biostatistics Division, Department of Biostatistics & Epidemiology, 2017-2019</p> <p>Vice Provost for Education's Fellowship Selection Committee, 2018-2021</p> <p>Health Evaluation Sciences Awards Committee, Perelman School of Medicine, 2020</p> <p>Faculty Senate Committee on Academic Freedom and Responsibility, 2021-2024</p> <p>Epidemiology Division Director Recruitment Committee, Epidemiology Division, Department of Biostatistics & Epidemiology, 2021-2022</p> <p>Curriculum Committee, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, 2021-2024</p> <p>IT Council, Perelman School of Medicine, 2021-2022</p> <p>Institute for Biomedical Informatics, Director Search Committee, Perelman School of Medicine, 2021</p> <p>Department of Medical Ethics and Health Policy Chair Search Committee, Perelman School of Medicine, 2021-2022</p>

University of Washington

Leadership	<p>Chair, Affiliate and Adjunct Faculty Committee, Department of Biostatistics, 2009-2012</p> <p>Chair, Applied Statistics Qualifying Exam Committee, Department of Biostatistics, 2013-2014</p>
Committees	<p>Applied Statistics Qualifying Exam Committee, Department of Biostatistics, 2012</p> <p>Distinguished Alumni Selection Committee, School of Public Health, 2012-2014</p> <p>Admissions Committee, Department of Biostatistics, 2013</p>

Group Health Research Institute

Leadership	Chair, Scientific Policy Committee, 2010-2012
Committees	New faculty Orientation Committee, 2009 Data Governance Council, 2012-2014 Scientific Policy Committee, 2013-2014

DIVERSITY, EQUITY AND INCLUSION ACTIVITIES

Chair and Head Judge, Section on Physical and Quantitative Sciences, Annual Biomedical Research Conference for Minority Students, 2010 – 2012.

Diversity Search Advisor, Biostatistics Division, Department of Biostatistics, Epidemiology & Informatics, 2016 – 2022.

Mentor, JSM Diversity Mentoring Program, American Statistical Association, 2018 – Present.

Member, Combatting Racial Inequities Committee, Biomedical Graduate Studies, Perelman School of Medicine, University of Pennsylvania, 2020-2021.

Presenter, Memorial Sloan Kettering Cancer Center, Bridge2Biostat, July 2021.

Chair, ASA Board of Director's Task Force on Increasing Diversity in Editorial Positions, 2021.

Presenter, Quantitative Approaches to Understand Diseases with Electronic Health Record Data, Society for Advancement of Chicanos/Hispanics and Native Americans in Science, October 2021.

Workgroup Leader, African Diaspora Joint Working Group (ADJOINT) Program, Mathematical Sciences Research Institute, 2022 – 2023.

TEACHING ACTIVITIES

Courses	BIOST 571: Statistical Methodology: Regression Models for Dependent Data, Department of Biostatistics, University of Washington, Graduate Teaching Assistant, Winter 2005. BIOST 511: Medical Biometry I, Department of Biostatistics, University of Washington, Graduate Teaching Assistant, Summer 2006, Summer 2007. Linear Regression and ANOVA, Summer Institute in Statistical Genetics. Department of Biostatistics, University of Washington, Course Director, Summer 2009 – Summer 2023. BIOST 579: Data Analysis and Report Writing, Department of Biostatistics, University of Washington, Course Director, Spring 2011, Summer 2013. HPR 608: Applied Regression Analysis for Health Policy Research, Division of General Internal Medicine, Perelman School of Medicine, University of Pennsylvania, Course Director, Spring 2016, Spring 2018, Spring 2019. EPID 600: Data Science for Biomedical Informatics, Department of Biostatistics & Epidemiology, Perelman School of Medicine, University of Pennsylvania, Guest Lecturer, Fall 2016, Fall 2017, Fall 2018. Introduction to Grant Writing, Graduate Group in Epidemiology & Biostatistics, Perelman School of Medicine, University of Pennsylvania, Course Director, Summer 2017, Summer 2018, Fall 2019. Bayesian Methods for Clinical Research - Introduction, Summer Institute in Statistics for Clinical Research. Department of Biostatistics, University of Washington, Course Director, July 2017.
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Bayesian Methods for Clinical Research - Computation and Applications, Summer Institute in Statistics for Clinical Research. Department of Biostatistics, University of Washington, Course Director, July 2017.

Biostatistical Concepts in Pharmacoepidemiology: Linear and Logistic Regression, Food and Drug Administration, Instructor, December 2016, December 2018, December 2019, December 2020.

Practical Solutions for Working with Electronic Health Records Data, ENAR Short Course, March 2020.

Analysis of Big Healthcare Databases, ASA Council of Chapters Traveling Short Course, Instructor, ASA Nebraska Chapter April 2019, ASA Princeton/Trenton Chapter September 2019, ASA Connecticut Chapter October 2019, ASA Twin Cities Chapter October 2019, ASA San Francisco Chapter November 2019, University of California Davis November 2019, ASA Kentucky Chapter October 2020, ASA Cincinnati Chapter October 2020, ASA Philadelphia Chapter November 2020, ASA Houston Area Chapter December 2020.

BSTA 660: Design of Observational Studies, Department of Biostatistics, Epidemiology & Informatics, Perelman School of Medicine, University of Pennsylvania, Course Director, Spring 2018, Fall 2019, Fall 2020, Fall 2021, Fall 2022, Fall 2023.

Case Studies in Generating Real World Evidence from Real World Data, ENAR Short Course, March 2021.

PHP 2605: Generalized Linear Models, Department of Biostatistics, Brown University School of Public Health, Course Director, Spring 2026

MS Students

Victoria Ding, 2011 – 2012, MS thesis supervisor, Department of Biostatistics, University of Washington.

Jian Hu, 2017 – 2018, MS thesis supervisor, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Joanna Harton, 2017 – 2018, MS thesis supervisor, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Shuyan Luo, 2025 – present, MS thesis supervisor, Department of Biostatistics, Brown University School of Public Health

Mengyue Liu, 2025 – present, MS thesis supervisor, Department of Biostatistics, Brown University School of Public Health

PhD Students

Amy Laird, 2010 – 2013, Member PhD committee, Department of Biostatistics, University of Washington.

Jane Lange, 2011 – 2014, Member PhD committee, Department of Biostatistics, University of Washington.

Greg Calip, 2013 – 2014, Member PhD committee, Department of Epidemiology, University of Washington.

Willa Brenowitz, 2013 – 2016, Member PhD committee, Department of Epidemiology, University of Washington.

Lu Chen, 2015, Member PhD committee, Department of Biostatistics & Epidemiology, University of Pennsylvania

Lu Wang, 2016 – 2019, Chair PhD committee, Department of Biostatistics & Epidemiology, University of Pennsylvania

Darcy Ellis, 2016 – 2021, Chair PhD committee, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Marzieh Golmakani, 2017 – 2019, Member PhD committee, Department of Public Health Sciences, UC Davis

Lingjiao Zhang, 2018 – 2020, Member PhD committee, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Sondra Lavigne, 2018 – 2020, Chair PhD committee, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Sherrie Xie, 2018 – 2021, Member PhD committee, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Joanna Harton, 2018 – 2022, PhD Co-Supervisor (with Nandita Mitra), Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Arielle Anglin, 2020 – 2021, Chair PhD committee, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Jiayi Tong, 2021 – 2024, Chair PhD committee, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Jenny Shen, 2021 – 2024, PhD Co-Supervisor (with Kristin Linn), Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Danielle Kellier, 2022 – 2024, Member PhD committee, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Dane Isenberg, 2023 – 2026, Member PhD committee, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Sarah Hegarty, 2023 – 2026, Member PhD committee, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Chunnan Liu, 2024 – present, PhD Co-Supervisor (with Joseph Hogan), Department of Biostatistics, Brown University School of Public Health

Tiffany Hsieh, 2024 – present, PhD Co-Supervisor (with Sarah Ackley), Department of Epidemiology, Brown University School of Public Health

Meghan Gerety, 2026 – present, Member PhD committee, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Post-doctoral

Yue Zhang, 2012 – 2013, Post-doctoral fellowship supervisor, Group Health Research Institute

Jane Lange, 2014, Post-doctoral fellowship supervisor, Group Health Research Institute

Noah Hoffman, 2015 – 2016, MSHP Biostatistics advisor, Department of Biostatistics & Epidemiology, University of Pennsylvania

Therese Bittermann, 2015 – 2017, MSCE Biostatistics advisor, Department of Biostatistics & Epidemiology, University of Pennsylvania

Gary Weissman, 2016 – 2017, MSHP Biostatistics advisor, Department of Biostatistics & Epidemiology, University of Pennsylvania

Juan Lado, 2016 – 2017, MSHP Biostatistics advisor, Department of Biostatistics & Epidemiology, University of Pennsylvania

Krisda Chaiyachati, 2016 – 2018, MSHP Biostatistics advisor, Department of Biostatistics & Epidemiology, University of Pennsylvania

Megan Noe, 2015 – 2018, MSCE Biostatistics advisor, Department of Biostatistics & Epidemiology, University of Pennsylvania

Sherif Elhanafi, 2016 – 2018, MSCE Biostatistics advisor, Department of Biostatistics & Epidemiology, University of Pennsylvania

Whitney Cabey, 2016 – 2018, MSHP Biostatistics advisor, Department of Biostatistics & Epidemiology, University of Pennsylvania

Joanna Rhodes, 2018 – 2019, MSCE Biostatistics advisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Nadim Mahmud, 2018 – 2019, MSCE Biostatistics advisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Natasha Vedage, 2018 – 2020, MSCE Biostatistics advisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Lova Sun, 2019 – 2021, MSCE Biostatistics advisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Shun Yu, 2019 – 2021, MSCE Biostatistics advisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Mohsin Shah, 2019 – 2021, MSCE Biostatistics advisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Daniel Vader, 2020 – 2022, Post-doctoral fellowship supervisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Hilary Whitworth, 2020 – 2023, MSCE Biostatistics advisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Nicole Ferrante, 2021 – 2023, MSCE Biostatistics advisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Jeffrey Shevach, 2021 – 2023, MSCE Biostatistics advisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Hanxi (Molly) Zhang, 2022 – 2023, Post-doctoral fellowship supervisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Chenxi (Chelsea) Yuan, 2022 – 2024, Post-doctoral fellowship supervisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Ernesto Ulloa-Perez, 2022 – 2024, Post-doctoral fellowship supervisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Jacob Reibel, 2023 – 2025, MSCE Biostatistics advisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Pedro Ochoa-Allemant, 2023 – 2025, MSCE Biostatistics advisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Melanie Mayer, 2024 – Present, Post-doctoral fellowship supervisor, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Kenya Andrews, 2025 – Present, Post-doctoral fellowship supervisor, Department of Biostatistics, Brown University

Other advising Elisa Sheng, 2009 – 2013, Academic advisor, Department of Biostatistics, University of Washington.

Dana Canfield, 2010, Summer undergraduate internship supervisor, Group Health

Research Institute.

Willa Brenowitz, 2011, Summer MPH practicum supervisor, Department of Health Services, University of Washington.

David Benkeser, 2014, Graduate research assistantship supervisor, Department of Biostatistics, University of Washington.

LaNae Schaal, 2014, Sumer independent study supervisor, Department of Biostatistics, University of Washington.

Le Wang, 2015, Biostatistics in Practice II supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Carrie Caswell, Fall 2015, Lab rotation supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Carrie Caswell, 2015 – 2016, Academic advisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Rui Duan, 2016, Biostatistics in Practice II supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Grace Choi, Fall 2016, Lab rotation supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Joanna Milton, Fall 2016, Lab rotation supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Arman Oganisian, Spring 2016, Lab rotation supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Victoria Arthur, 2016 – 2017, Academic advisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Grace Choi, Summer 2017, Lab rotation supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Carolyn Lou, Spring 2018, Lab rotation supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Lanair Lett, Spring 2019, Fall 2019, Lab rotation supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Emily Getzen, 2019 – 2021, Academic advisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Kylie Getz, Spring 2020 - Spring 2021, Lab rotation supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Jevaughn Henry, Summer 2020, Mentor, American Physician Scientist Association Virtual Summer Research Program

Melissa Martin, Fall 2021, Lab rotation supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Yuqing Lei, Fall 2023, Lab rotation supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Meghan Gerety, Spring 2024, Lab rotation supervisor, Biostatistics Program, Graduate Group in Epidemiology & Biostatistics, University of Pennsylvania

Jina Yang, 2025, RA supervisor, Department of Biostatistics, Brown University School of Public Health

Adam Kurth, 2026 – present, Academic advisor, Department of Biostatistics, Brown University School of Public Health

Shuqi He, 2026 – present, Academic advisor, Department of Biostatistics, Brown University School of Public Health

RESEARCH PROGRAM

Present Funding

R01 HL162354 (MPI: Himes/Hubbard) NHLBI Precision Approaches to Reduce Asthma Disparities with Electronic Health Record Data	09/01/2022-06/30/2026 Role: MPI	10%
P01 CA154292 (PI: Miglioretti/Kerlikowske/Tosteson) NCI Advancing Equitable Risk-based Breast Cancer Screening and Surveillance in Community Practice	09/16/2022-05/31/2027 Role: Site PI	15%
U19 AG066567 (PI: Larson/Crane) NIA Adult Changes in Thought (ACT) Research Program	05/01/2021-04/30/2026 Role: Site PI	10%
N/A (PI: Hubbard) Brown University Data Science Institute Data Science Collaborative for Real World Evidence in Cancer Therapeutics	01/01/2026-06/30/2027 Role: PI	0%

Past Funding as PI

R21 CA227613 (MPI: Linn/Hubbard) NIA Informatics Methods for Leveraging Clinical Data Sources to Study Risk Factors for Alzheimer's Disease	02/15/2022-01/31/2024 Role: MPI	10%
R21 CA227613 (PI: Hubbard) NCI Improving Confounder Control in EHR-based Studies of Cancer Epidemiology	01/01/2019-12/31/2021 Role: PI	10%
ME-1511-32666 (PI: Hubbard) PCORI Statistical Methods for Phenotype Estimation and Analysis Using Electronic Health Records	09/01/2016-08/31/2020 Role: PI	20%
R03 CA182986 (PI: Hubbard) NCI Statistical Methods for Estimation of Benefits & Harms of Repeat Cancer Screening	01/01/2014-12/31/2016 Role: PI	20%
261201100031C (PI: Hubbard) NCI Breast Cancer Surveillance Consortium Data Resource	01/01/2013-10/31/2014 Role: PI	10%
R03 CA150007 (PI: Hubbard) NCI Estimating the Cumulative Risk of a False-positive Screening Mammogram	06/01/2010-5/31/2012 Role: PI	20%

PUBLICATIONS and PRESENTATIONS

Publications

Peer-Reviewed Papers

*Denotes trainee mentored by Dr. Hubbard

†Denotes equal contribution

1. Cagle AJ and **Hubbard RA**. 2005. Cold-related cardiac mortality in King County, WA, USA, 1980-2001. *Annals of Human Biology*, 32(4): 525 - 537.
2. Sullivan J, **Hubbard RA**, Shepherd K, Trenga C, Liu L-JS, Koenig JQ, Chandler WL, Kaufman J. 2007. Effect of particulate matter on blood measures of inflammation and thrombosis in an elderly population. *BMC Environmental Health*. 6:3.
3. **Hubbard RA**, Inoue LYT, Fann JR. 2008. Modeling non-homogeneous Markov processes via time transformation. *Biometrics*. 64(3): 843 - 850.
4. **Hubbard RA**, Inoue LYT, Diehr P. 2009. Joint modeling of self-rated health and functional status. *Journal of the American Statistical Association*. 104(487): 873-885. PMID:PMC2819480
5. **Hubbard RA**, Miglioretti DL, Smith RA. 2010. Modelling the cumulative risk of a false-positive screening test. *Statistical Methods in Medical Research*. 19: 429-449. PMID: PMC2916076
6. Burn A, Herring S, **Hubbard RA**, Rafferty K, Duncan K, Lieberman D. 2010. Dietary consistency and midline sutures: A study in growing pigs. *Orthodontics & Craniofacial Research*. 13: 106 - 113.
7. Horne DJ, **Hubbard RA**, Narita M, Exarchos A, Park DR, Goss CH. 2010. Factors associated with mortality in patients with tuberculosis. *BMC Infectious Diseases*. 10:258.
8. Gill DP, Koepsell TD, **Hubbard RA**, Kukull WA. 2011. Risk of decline in functional activities in dementia with Lewy bodies and Alzheimer disease. *Alzheimer's Disease and Associated Disorders*. 25(1):17-23.
9. Fann JR, **Hubbard RA**, Alfano C, Roth-Roemer, S, Katon WJ, Syrjala KL. 2011. Pre - and post-transplantation risk factors for delirium onset and severity in patients undergoing hematopoietic stem cell transplantation. *Journal of Clinical Oncology*. 29(7): 895-901. PMID: PMC3068062.
10. **Hubbard RA** and Zhou XH. 2011. A non-homogeneous Markov regression model for mild cognitive impairment and Alzheimer's disease progression. *Journal of Applied Statistics*. 38(10): 2313-2326. PMID: PMC3299197.
11. Scholes D, **Hubbard RA**, Ichikawa L, LaCroix A, Spangler L, Beasley J, Reed S, Ott S. 2011. Oral contraceptive use and bone density change in adolescent and young adult women: a prospective study of age, hormone dose, and discontinuation. *Journal of Clinical Endocrinology & Metabolism*. 96(9):E1380-E1387.
12. Simon GE, Ding V, **Hubbard RA**, Fishman P, Ludman E, Morales L, Operskalski B, Savarino J. 2011. Early dropout from psychotherapy for depression with group- and network-model therapists. *Administration and Policy in Mental Health and Mental Health Services Research*. 39(6): 440-447. PMID: PMC3708590
13. **Hubbard RA**, Kerlikowske K, Flowers C, Yankaskas B, Zhu W, Miglioretti DL. 2011. The cumulative risk of a false-positive recall or biopsy recommendation after 10 years of screening mammography: a cohort study. *Annals of Internal Medicine*. 155: 481-492.
14. Kerlikowske K, **Hubbard RA**, Miglioretti D, Geller BM, Yankaskas BC, Lehman C, Taplin S, Sickles EA. 2011. Comparative effectiveness of digital versus film-screen mammography in community practice in the United States: a cohort study. *Annals of Internal Medicine*. 155: 493-502.
15. Fishman P, Ding V, **Hubbard RA**, Ludman E, Morales L, Operskalski B, Pabiniak C, Stewart C, Savarino J, Simon GE. 2012. Impact of cost sharing on initiation and continuation of psychotherapy for treatment of depression. *Health Services Research*. 47(4): 1561-1579. PMID: PMC3371095.
16. Chubak J, Anderson ML, Saunders KW, **Hubbard RA**, Tuzzio L, Liss D, Morales LS, Reid RJ. 2012. Predictors of one-year change in patient activation among older adults with diabetes and heart disease. *Journal of the American Geriatric Society*. 60(7):1316-21.
17. Chaudhari M, **Hubbard RA**, Inge R, Reid RJ, Newton KM, Spangler L, Barlow WE. 2012. Evaluating components of dental utilization among adults with diabetes and matched controls via hurdle models. *BMC Oral Health*. 12: 20.

18. Fenton JJ, Zhu W, Balch S, Smith-Bindman R, Lindfors K, **Hubbard RA**. 2012. External validation of Medicare claims codes for digital mammography and computer-aided detection. *Cancer Epidemiology, Biomarkers & Prevention*. 21(8): 1344-1347.
19. Yasmeen S, **Hubbard RA**, Miglioretti DM, Zhu W, Kerlikowske K, Geller BM, Onega T, Yankaskas BC, Romano P. 2012. Mammography use and breast cancer rates among older women with comorbidities. *Cancer Epidemiology, Biomarkers & Prevention*. 12(9):1510-1519.
20. **Hubbard RA**, Zhu W, Onega T, Fishman P, Henderson LM, Tosteson ANA, Buist D. 2012. Effects of digital mammography uptake on downstream breast-related care among older women. *Medical Care*. 50(12): 1053-1059.
21. Henderson LM, **Hubbard RA**, Onega T, Zhu W, Buist D, Fishman P, Tosteson ANA. 2012. Assessing healthcare use and cost consequences of a new screening modality: the case of digital mammography. *Medical Care*. 50(12): 1045-1052.
22. Imel ZE, **Hubbard RA**, Rutter C, Simon GE. 2012. Patient rated alliance as a measure of therapist performance in two clinical settings. *Journal of Consulting and Clinical Psychology*. 81(1):154-165.
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244. *Vader DY, Shu D, **Hubbard RA**, Boge C, Sharova A, Downes K, Li Y. 2026. Informed presence in electronic health record data: illustrating bias and bias reduction approaches in longitudinal analyses. *Epidemiology*. In press.
245. Torgersen J, Newcomb CW, Carbonari DM, Smith SM, Brecker KL, Rajapakse CS, Jones BC, Cottrell C, Grewal R, Price JC, Baker JF, Kostman JR, Trooskin S, **Hubbard RA**, Zemel BS, Leonard MB, Lo Re III V. 2026. Changes in three-dimensional volumetric liver fat fraction after cure of chronic hepatitis C infection with direct-acting antivirals. *Open Forum Infectious Diseases*. In press.

Book Chapters

1. Laird AE, **Hubbard RA**, Inoue LYT. 2015. Multi-state models for disease natural history. In: *Current Trends in Bayesian Methodology with Applications*. Chapman & Hall.
2. Broeders MJM, Ripping TM, **Hubbard RA**. 2016. Weighing the benefits and harms: Screening mammography in the balance. In: *Breast Cancer Screening*. Elsevier.
3. **Hubbard RA**, Harton J, Zhu W, Wang L, Chubak J. 2017. Accounting for differential error in time-to-event analyses using imperfect electronic health record-derived endpoints. In: *New Advances in Statistics and Data Science*. Springer.
4. **Hubbard RA**, Lou C, Himes B. 2021. The effective sample size of EHR-derived cohorts under biased sampling. In: *Modern Statistical Methods for Health Research*. Springer.

Other non-peer-reviewed scholarly publications

1. **Hubbard RA.** 2011. [Letter] RE: Modelling the cumulative risk of a false-positive screening test. *Statistical Methods in Medical Research.* 20(3):293-5
2. **Hubbard RA,** Kerlikowske K, Buist D, Yankaskas BC, for the Breast Cancer Surveillance Consortium. 2011. [Letter] Evaluation of breast cancer screening strategies must be based on comparisons of harms and benefits. *American Journal of Roentgenology.* 197:W793.
3. Kerlikowske K, **Hubbard RA.** 2011. [Letter] Comparative effectiveness of digital versus film-screen mammography. *Annals of Internal Medicine.* 156: 251.
4. Kerlikowske K, **Hubbard RA,** Tosteson ANA. 2014. [Letter] Higher mammography screening costs without appreciable clinical benefit: the case of digital mammography. *Journal of the National Cancer Institute.* 106(4): dju191.
5. **Hubbard RA.** 2015. [Invited commentary] US counties with higher rates of breast cancer screening have higher rates of breast cancer incidence with no concomitant decrease in breast cancer mortality. *BMJ Evidence Based Medicine.* 20(6): 201.
6. Miglioretti DL, Lange J, van Ravesteyn N, van den Broek JJ, Lee CI, Melnikow J, Kerlikowske K, Ritley D, de Koning HJ, **Hubbard RA.** 2015. [Report] Radiation-induced breast cancer and breast cancer death from mammography screening. Rockville, MD: Agency for Healthcare Research and Quality. AHRQ Publication No. 14-05201-EF-5. Available at: <http://www.uspreventiveservicestaskforce.org/Page/Document/modeling-report-radiation-induced-breast-cancer-and-breast-c/breast-cancer-screening>
7. Gray SL, Anderson M, **Hubbard R.** 2015. [Letter] Anticholinergic use with incident dementia-reply. *JAMA Intern Med.* 175(9):1577. doi: 10.1001/jamainternmed.2015.2574.
8. Bradley CJ, Grossman DC, **Hubbard RA,** Ortega AN, Curry SJ. 2016. [Invited commentary] National Institutes of Health Pathways to Prevention Workshop: Integrated Interventions for Improving Total Worker Health®. *Annals of Internal Medicine.* 165(4):279-83.
9. Moore JH, Barnett I, Boland MR, Chen Y, Demiris G, Gonzalez-Hernandez G, Herman DS, Himes BE, **Hubbard RA,** Kim D, Mowery DL, Ritchie MD, Shen L, Urbanowicz R, Holmes JH. 2020. [Editorial] Ideas for how informaticians can get involved with COVID-19 research. *BioData Mining.* 13:1-16.
10. **Hubbard RA.** 2021. [Invited commentary] Commentary on Professor Austin Bradford Hill's Alfred Watson Memorial Lecture. *Statistics in Medicine.* 40(1):29-31.
11. VanderBeek BL, **Hubbard RA,** Ying GS. 2020. [Letter] Survival analysis vs. longitudinal modeling with multiple imputation, a false dichotomy. *JAMA Ophthalmology.* 39(5):588.
12. Mamtani R, Lund J, **Hubbard RA.** 2021. [Editorial] Considering the totality of evidence: Combining real-world data with clinical trial results to better inform decision-making. *Pharmacoepidemiology & Drug Safety.* 30:814-816.
13. **Hubbard RA,** Gatsonis CA, Hogan JW, Hunter DJ, Normand S-LT, Troxel AB. 2024. [Perspective] “Target trial emulation” for observational studies – Potential and pitfalls. *New England Journal of Medicine.* 391:1975-1977.
14. Troxel AB, Gatsonis CA, Hogan JW, **Hubbard RA,** Hunter DJ, Normand S-LT. 2026. [Perspective] Statistics in Medicine – What’s in an Estimand? *New England Journal of Medicine.*

Invited Presentations (last five years)

1. Real World Evidence in Gastrointestinal and Liver Disease Conference, University of Pennsylvania, *virtual presentation*, January 2021. Methods to Address the Complexity of Real World Data.
2. Quantitative Sciences Grand Rounds, Moffitt Cancer Center, *virtual presentation*, January 2021. Tackling Real-World Challenges in the Analysis of EHR Data.
3. Department of Biostatistics, Columbia University, *virtual presentation*, February 2021. Accounting for Data Provenance in EHR-based Phenotyping.
4. ENAR International Biometric Society, *virtual presentation*. March 2021. Using EHR to Quantify the Gap Between Effectiveness of a Treatment in a Trial and Routine Clinical Practice.
5. Department of Mathematics & Statistics, Villanova University, *virtual presentation*. April 2021. Harnessing the Power of Real World Data to Study Pediatric Health.

6. Keynote presentation, Ohio Joint Biostatistics Symposium, *virtual presentation*. April 2021. Using Statistical Science to Transform Real World Data into Real World Evidence.
7. CANSI-NISS Health Data Science Workshop, *virtual presentation*. May 2021. Expediting Longitudinal Cohort Studies Using Electronic Health Records with Bayesian Clustering and Trajectory Analysis.
8. Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, *virtual presentation*. May 2021. Using EHR to Extend Understanding of Treatment Effectiveness Beyond Clinical Trials.
9. WNAR International Biometric Society, *virtual presentation*. June 2021. Meeting the Mandate of the 21st Century Cures Act: Overcoming the Challenges of Real World Data to Improve Cancer Care and Outcomes.
10. Sub-Saharan African Network International Biometric Society, *virtual presentation*. September 2021. An Introduction to Extraction and Analysis of EHR-derived Phenotypes.
11. Weill Cornell Medicine - Qatar, Population Health and Well-being Seminar Series, *virtual presentation*. September 2021. Considering the Totality of Evidence: Integrating Real World Data with Clinical Trial Data to Improve Decision Making.
12. New York University, Ethics and Real-World Evidence Working Group, *virtual presentation*. September 2021. Using EHR to Extend Understanding of Treatment Effectiveness Beyond Clinical Trials.
13. ASA Biopharmaceutical Statistics Section, Regulatory Industry Statistics Workshop, *virtual presentation*. September 2021. Principled Approaches to the Practical Challenges of Real-World Data.
14. University of Tennessee Health Science Center, Department of Preventive Medicine, *virtual presentation*. October 2021. Principled Approaches to the Practical Challenges of Real-World Data.
15. National Institute of Allergy and Infectious Diseases, Biostatistics Research Branch, *virtual presentation*. November 2021. Principled Approaches to the Practical Challenges of Real-World Data.
16. Michigan Data Science Institute, *virtual presentation*. January 2022. Leveraging Scientific Knowledge to Improve Learning from Real-World Data.
17. University of Michigan, Department of Biostatistics, *virtual presentation*. January 2022. Something Old, Something New: Classical and Modern Approaches to Addressing Missingness in Real-World Data.
18. Data Science Applied Research and Education Seminar Series, University of Toronto, Department of Biostatistics, *virtual presentation*. February 2022. Using Electronic Health Records to Accelerate Research Without Sacrificing Scientific Rigor.
19. School of Nursing, Case Western Reserve University, *virtual presentation*. February 2022. Extending Evidence from Clinical Trials to Underrepresented Populations Using Real-World Data.
20. Dana-Farber Cancer Center, Frontiers in Biostatistics, *virtual presentation*. March 2022. Considerations for Extracting Real-World Evidence from Real-World Data.
21. McGill University, Department of Biostatistics, Epidemiology and Occupational Health, *virtual presentation*. March 2022. Merging Content-area Knowledge and Biostatistical Principles to Transform Real-World Data into Real-World Evidence.
22. American Society for Preventive Oncology, Tucson, AZ. March 2022. Statistical Approaches for Bias Reduction in Cancer Outcomes Research Using Electronic Health Records Data.
23. University College London, Department of Statistical Science, *virtual presentation*. April 2022. Considerations for Deriving Timely and Valid Evidence from Electronic Health Records.
24. Women in Data Science Blacksburg, Virginia Tech, *virtual presentation*. April 2022. Accelerating Medical Research with Real-World Data and Scientific Insight.
25. Colorado School of Public Health, Department of Biostatistics & Informatics, *virtual presentation*. May 2022. Considerations for Deriving Timely and Valid Evidence from Electronic Health Records.
26. International Biometric Conference, Riga, Latvia. July 2022. Combining EHR and Clinical Trial Data to Improve Validity and Generalizability of Treatment Effectiveness Estimates.
27. Joint Statistical Meetings, Washington, DC. August 2022. Evaluation of Propensity Score-Calibration and Multiple Imputation for Missing Confounder Data in EHR-Based Comparative Effectiveness Research.
28. Penn Big Data in Biomedical and Health Data Science, Philadelphia, PA. September 2022. Deriving Complementary Evidence on Cancer Care and Outcomes from Clinical Trials and Real-World Data.
29. Institute of Healthcare Delivery Science, Icahn School of Medicine, Mt Sinai, *virtual presentation*. October 2022. Extending Evidence from Clinical Trials Using Real-World Data.

30. Stanford Biomedical Informatics Research Colloquia, Stanford University, *virtual presentation*. October 2022. Leveraging Modern Statistical and Machine Learning Approaches to Address Missingness in Real-World Data.
31. Modern Statistical and Machine Learning Methods for Big Data, University of Michigan, Ann Arbor, Michigan. October 2022. Too Big to Fail: Bias, Fairness and Ethics of Conducting Medical Research in the Era of Big Data.
32. Biostatistics Branch, Division of Cancer Epidemiology & Genetics, National Cancer Institute, *virtual presentation*. October 2022. Advancing Cancer Research Using Modern Approaches to Missingness in Real-World Data.
33. Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden. January 2023. Fair and Valid Learning with RWD.
34. Inaugural Black History/Heritage Month Statistics Colloquium Lecture, Rice University, Houston, Texas. March 2023. Advancing Timely and Valid Medical Research with Real-World Data and Medical Science.
35. Kaiser Permanente Washington Health Research Institute, Seattle, WA. April 2023. Something Old, Something New: Classical and Modern Approaches to Missingness in Real-World Data.
36. Plenary session, International Society for Pharmacoeconomics and Outcomes Research, Boston, MA. May 2023. Informative Presence Bias in Analyses of EHR Data.
37. Washington Statistical Society Gertrude M Cox Lecture, Washington, DC. June 2023. Too Big to Fail: Bias, Fairness and Ethics of Conducting Medical Research in the Era of Big Data.
38. Keynote presentation, Michigan Big Data Summer Institute, Ann Arbor, MI. July 2023. Advancing Timely and Valid Medical Research with Real-World Data and Medical Science.
39. Joint Statistical Meetings, Toronto, ON. August 2023. Expanding the Evidence-Base for Medically Underserved Populations by Integrating Evidence from RCTs And Electronic Health Records.
40. Sentinel Innovation and Methods Seminar Series, *virtual presentation*. August 2023. Leveraging Missing Data and Measurement Error Approaches in Propensity Score-Based Analyses of Real-World Data.
41. Center on Population & Aging Science. University of Texas Austin, Austin, TX. September 2023. Opportunities and Challenges for Advancing Health Equity Through Electronic Health Records-based Research.
42. Department of Biostatistics & Computational Biology, University of Rochester, Rochester, NY. September 2023. Accounting for Differential Data Quality in Analyses of Data from Electronic Health Records.
43. Women in Statistics and Data Science, Bellevue, WA. October 2023. Identifying and Mitigating Disparities in Health Care Use and Outcomes Arising Due to Differential EHR Data Quality.
44. Institute for Mathematical Statistics-Asia Pacific Rim Meeting, Melbourne, Australia. January 2024. Classical And Machine Learning Imputation Approaches to Missing Data in Electronic Health Records-Based Studies.
45. Department of Mathematics & Statistics, University of Vermont, Burlington, VT. February 2024. Opportunities and Challenges for Advancing Health Equity Through Electronic Health Records-based Research.
46. ENAR International Biometric Society, Baltimore, MD. March 2024. Addressing Informed Presence Bias in the Analysis of EHR Data.
47. Fred Hutchison Cancer Center and Department of Biostatistics, University of Washington Joint Seminar, Seattle, WA. April 2024. Safeguarding Medically Underserved Populations in EHR-Based Research Subject to Informed Presence Bias.
48. Board on Healthcare Services, National Academies of Science, Engineering & Medicine, Washington, DC. April 2024. Data Integration to Address Generalizability and Data Quality Challenges in AD Research.
49. Ethical Need and Questions for Digital Twins, National Academies of Science, Engineering & Medicine, *virtual presentation*. May 2024. Disparities in Personalized Medicine Arising from Differential Data Quality.
50. Division of Quantitative Sciences, Department of Oncology, Johns Hopkins University School of Medicine, Baltimore, MD. May 2024. Safeguarding Medically Underserved Populations in EHR-Based Research Subject to Informed Presence Bias.
51. Joint Statistical Meetings, Portland, OR. August 2024. Statistical Challenges in Development of Equitable Approaches to Risk-Guided Cancer Screening Using EHR Data.

52. Department of Data Science, University of Mississippi Medical Center, *virtual presentation*. September 2024. Not so fast: Accelerating precision medicine with EHR data while safeguarding medically underserved populations.
53. Chair's Invited Lecture, Department of Biostatistics, Brown University, Providence, RI. September 2024. Context is king: Addressing informed presence bias in EHR-based research.
54. Department of Epidemiology, Biostatistics and Occupational Health, McGill University, Quebec, Canada. October 2024. Context is king: Addressing informed presence bias in EHR-based research.
55. International Day of Women in Statistics and Data Science, *virtual presentation*. October 2024. Context is queen: Advancing EHR-based research through our lived experience with medicine, science and data.
56. Science & Society Lecture, Department of Mathematics, Statistics and Computer Science, Macalester College, St Paul, MN. October 2024. Not so fast: Accelerating medical research with big data while safeguarding vulnerable populations and research rigor.
57. Department of Biostatistics and Data Science, Wake Forest University, Winston-Salem, NC. November 2024. Not so fast: Accelerating precision medicine with EHR data while safeguarding medically underserved populations.
58. Department of Biomedical Informatics, Columbia University, *virtual presentation*. December 2024. Safeguarding Medically Underserved Populations in EHR-Based Research.
59. Department of Biostatistics, School of Global Public Health, New York University, New York, NY. February 2025. Unraveling the threads of informed presence bias and health inequities in EHR research.
60. ENAR International Biometric Society, New Orleans, LA. March 2025. Using contextual knowledge to understand and address selection bias in EHR-based analyses.
61. Department of Biostatistics, Harvard T.H. Chan School of Public Health, Boston, MA. April 2025. Informed presence bias in EHR analysis: Contextual thinking for better inference.
62. Presidential invited address, Statistical Society of Canada Annual Meeting, Saskatoon, Saskatchewan, Canada. May 2025. Data-driven research: Advancing equity with integrity.
63. Plenary speaker, International Breast Density and Cancer Risk Assessment Workshop, Lihue, HI. June 2025. Sources of disparities in EHR-based research on breast cancer survivorship and surveillance.
64. Joint Statistical Meetings, Nashville, TN. August 2025. Considering the Totality of the Evidence: Integrating EHR and Primary Data Collection to Improve Medical Decision Making.
65. International Day of Women in Statistics and Data Science, *virtual presentation*. October 2025. Prediction Algorithms and Persistence: The Long Road to a Simple Solution.
66. ECOG-ACRIN Comis Translational Science Symposium, Philadelphia, PA. October 2025. External Controls from Real-World Data in Therapeutic Trials.
67. Department of Biostatistics, Johns Hopkins University, Baltimore, MD. November 2025. The Brave New World of Real-World Data.
68. Department of Health Services, Policy & Practice, Brown University, Providence, RI. January 2026. The Brave New World of Real-World Data.
69. Department of Biostatistics, Yale University, New Haven, CT. January 2026. The Brave New World of Real-World Data.