December 21, 2022

Brittney E. Bailey, Ph.D.

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Education

PhD in Biostatistics 2018
The Ohio State University
Columbus, OH

MS in Statistics 2012
The Ohio State University
Columbus, OH

BA in Mathematics (Minor in Statistics) 2010
Messiah College
Grantham, PA

Academic Positions

Assistant Professor of Statistics 2020 – Present
Amherst College, Department of Mathematics and Statistics
Amherst, MA

Postdoctoral Fellow and Visiting Assistant Professor of Statistics 2018 – 2020
Amherst College, Department of Mathematics and Statistics
Amherst, MA

Research Positions

Biostatistics Research Associate 2015 – 2018
Institute for Behavioral Medicine Research (IBMR)
The Ohio State University Wexner Medical Center, Columbus, OH

PI/Mentor: Janice Kiecolt-Glaser (IBMR Director; Departments of Psychiatry, Psychology, and Health Behavior & Health Promotion)
Co-Mentor: Rebecca Andridge (Division of Biostatistics)

Collaborated with an interdisciplinary team in the Stress & Health Lab, which investigates the impacts of stress, social experience, exercise, and diet on the immune and endocrine systems, metabolism, physical health, mental health, and social well-being.

Used SAS and R to conduct statistical analyses including linear mixed effects models for longitudinal and nested data, ANCOVA, logistic regression, survival analysis, and spline regression.

Presented oral and written reports weekly of statistical analyses across a variety of clinical studies, including randomized controlled trials and longitudinal observational studies with 50 to 500 participants.

Assisted in grant-writing, including power calculations, study design, preliminary data analysis, statistical analysis plans, and refining hypotheses.

Reviewed SPSS code and provided guidance for statistical analyses conducted by graduate students and postdocs in the lab.

Biostatistics Summer Research Assistant 2014
The Ohio State University College of Public Health, Columbus, OH

PI/Mentor: Randi Foraker (Division of Epidemiology)
Co-Mentor: Abigail Shoben (Division of Biostatistics)

Conducted a simulation study to compare direction and statistical significance of effects between logistic regression and survival analysis (Cox proportional hazards) models when studying the influence of socioeconomic status on hospital readmission rates among heart failure patients.

Explored attributes of 30-day hospital readmission from electronic health record data in the Atherosclerosis Risk in Communities (ARIC) study for emulation in the simulation study.

Computational Biology and Biostatistics Summer Intern 2009
Integrated Biological Sciences Summer Research Program
University of Wisconsin, Madison, WI

PI/Mentor: Paul Hutson (Pharmacy Practice & Translational Research Division)

Modeled plasma-morphine concentration curves in R using the pharmacokinetics of morphine under different dosing regimens (i.e., oral, subcutaneous, injection) to identify dosing regimens that would maintain pain relief for palliative care patients without approaching toxic levels of morphine in the blood.

Mathematics Research Intern 2008
Joint Educational Opportunities for Minorities Internship
US Army Research Laboratory Department of Defense High Performance Computing Modernization Program, Aberdeen, MD

Mentor: James Ianni (Major Shared Resource Center)

Implemented a bootstrapping algorithm using Fortran and a Korn shell script to improve precision of forecasted utilization rates of allocated computing resources for research groups in the Major Shared Resource Center, thereby allowing early notification when users were at risk of exceeding their resource limits.

Publications

Note: The author order for all publications is based on contribution.

Peer-reviewed Publications (8)

1. Wilson SJ, **Bailey BE**, Malarkey WB, & Kiecolt-Glaser JK (2021). Linking marital support to aging-related biomarkers: Both age and marital quality matter. *Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*, 76(2), 273–282. doi:10.1093/geronb/gbz106.

2. Wilson SJ, Padin AC, **Bailey BE**, Laskowski B, Andridge R, Malarkey WB, & Kiecolt-Glaser JK (2020). Spousal bereavement after dementia caregiving: A turning point for immune health *Psychoneuroendocrinology*, 118. doi:10.1016/j.psyneuen.2020.104717.

3. **Bailey BE**, Andridge R, Shoben, AB (2020). Multiple imputation by predictive mean matching in cluster-randomized trials. *BMC Medical Research Methodology*, 20(1), 1-16. doi:10.1186/s12874-020-00948-6.

4. Madison A, Woody W, **Bailey BE**, Lustberg M, Ramaswamy B, Wesolowsky R, Williams N, Reinbolt R, VanDesuen J, Sardesai S, Malarkey W, & Kiecolt-Glaser JK (2020). Cognitive problems of breast cancer survivors on proton pump inhibitors. *Journal of Cancer Survivorship*, 14(2), 226-234. doi:10.1007/s11764-019-00815-4.

5. Padin AC, Wilson SJ, **Bailey B**, Lustberg, MB, Farrar WB, Povoski SP, Agnese DM, Reinbolt RE, Wesolowski R, Williams N, Sardesai S, Ramaswamy B, Noonan AM, Vandeusen JF, Haas GJ, & Kiecolt-Glaser JK (2019). Physical activity after breast cancer surgery: Does depression make exercise feel more effortful than it actually is? *International Journal of Behavioral Medicine*, 26(3), 237-246. doi:10.1007/s12529-019-09778-3.

6. Wilson SJ, **Bailey BE**, Jaremka LM, Fagundes C, Andridge R, & Malarkey, WB (2018). When couples' hearts beat together: Synchrony in heart rate variability during conflict predicts heightened inflammation throughout the day. *Psychoneuroendocrinology*, 93, 107-116. doi:10.1016/j.psyneuen.2018.04.017.
7. Wilson SJ, Andridge RR, Peng J, **Bailey BE**, Malarkey WB, & Kiecolt-Glaser JK (2017). Thoughts after marital conflict and punch biopsy wounds: Age-graded pathways to healing. *Psychoneuroendocrinology*, 85, 6-13. doi:10.1016/j.psyneuen.2017.07.489.
8. Belury MA, Cole RM, **Bailey BE**, Ke JY, Andridge R, & Kiecolt-Glaser JK (2016). Erythrocyte linoleic acid, but not oleic acid, is associated with improvements in body composition in men and women. *Molecular nutrition & food research*, 60(5), 1206-1212. doi:10.1002/mnfr.201500744.

Other Contributions (2)

1. Heggeseth B, Myint L, **Bailey BE** (March 31, 2018). Let's Join the Conversation. *American Statistical Association Section on Statistics Education Blog*. Available at https://statisticseducatio.wixsite.com/mysite/post/2018/03/11/lets-join-the-conversation.
2. **Bailey BE** (July 1, 2016). Classroom to Collaboration: Tips for a Successful Transition. *Amstat News, STATtr@k Column*. Available at https://stattrak.amstat.org/2016/07/01/classtocollab16/.

Interdisciplinary Collaborations

Note: The projects below are longer-term collaborations that involve close, regular work with principal investigators on statistical aspects of their projects, usually from the proposal stage through project completion.

Improving social connectedness in homebound older adults 2021 – Present
PI: Renée Pepin (Centers for Health and Aging; Department of Community and Family Medicine)
Dartmouth University Geisel School of Medicine

Helped refine hypotheses, conducted power calculations, and wrote statistical analysis plan in a proposal for an RRF Foundation for Aging Research Grant, which was successfully awarded.

Provided guidance on data collection and will conduct statistical analyses and contribute to manuscripts upon study completion (to be completed by spring 2024).

Meaning-making through public testimony 2019 – Present
PI: Sarah Bunnell (Center for Teaching and Learning)
Amherst College, Amherst MA

Supervised three students in the process of scraping publicly available victim impact statements and demographic data from the sentencing trial of Larry Nassar, coding the narratives using qualitative codes defined by Dr. Bunnell, and conducting sentiment analysis on the victim statements.

Assessed interrater reliability for three raters during qualitative coding of narratives and conducted exploratory and descriptive data analysis using combined data from qualitative codes, demographic data, and word count data from LIWC software.

Talks

Invited Conference Talks (3)

1. *Professional Strategies in Statistics: Mentoring Students for Professional Success* (presentation and panel discussion). American Statistical Association Joint Statistical Meetings. Washington, DC. August 2022.
2. *Making Our Discipline More Diverse and Inclusive: A Fresh Look at ASA's Efforts to Be More Diverse and Inclusive* (panel discussion). American Statistical Association Joint Statistical Meetings. Virtual. August 2021.

3. *New predictive mean matching imputation methods for cluster randomized trials* (with RR Andridge and AB Shoben). Joint Statistical Meetings. Denver, CO. August 2019.

Invited Colloquia (10)

1. *A noncomprehensive guide to statistical ethics in practice*. The Jackson Laboratory. Virtual talk. June 2022.
2. *Multiple imputation by predictive mean matching in cluster-randomized trials.* Yale University Department of Biostatistics. Virtual talk. October 2021.
3. *Clinical trials and the problem of missing data*. Wellesley College Department of Mathematics. Virtual talk. February 2021.
4. *A noncomprehensive guide to statistical ethics in practice*. Williams College Data Science Bootcamp. Virtual talk. January 2021.
5. *Multiple imputation by predictive mean matching in cluster-randomized trials.* University of Massachusetts Department of Statistics. Virtual talk. October 2020.
6. *Organizing for Productivity.* StatFest. Virtual roundtable September 2020.
7. *A noncomprehensive guide to statistical ethics in practice*. Williams College Data Science Bootcamp. Virtual talk. January 2020.
8. *Missing Data 101.* Research Bytes @ MassMutual. Amherst, MA. April 2019.
9. *Multiple imputation in cluster-randomized trials.* Smith College Statistics and Data Science Program. Northampton, MA. February 2019.
10. *Multiple imputation in cluster-randomized trials.* Smith College Center for Women in Mathematics. Northampton, MA. November 2018.

Contributed Conference Talks (5)

1. *A new predictive mean matching approach to multiple imputation in cluster-randomized trials* (with RR Andridge and AB Shoben). Annual Meeting of the Society for Clinical Trials (SCT). New Orleans, LA. May 2019.
2. *Investigating multiple imputation in cluster-randomized trials* (with RR Andridge and AB Shoben). Joint Statistical Meetings. Baltimore, MD. July 2017.
3. *Analyzing binary outcome data from a partially clustered design* (with AB Shoben). Joint Statistical Meetings. Chicago, IL. August 2016.
4. *Analyzing binary outcome data from individually-randomized group treatment trials* (with AB Shoben). Annual Meeting of the Society for Clinical Trials (SCT). Montreal, Quebec. May 2016.
5. *Quality measures? The impact of modeling strategy and informative censoring on estimated readmission risk* (with RR Andridge and AB Shoben). Joint Statistical Meetings. Seattle, WA. August 2015.

Posters

Invited Posters (1)

1. *How do we count what wasn't measured? Dealing with missing data in stepped wedge designs. Invited Poster Session. Joint Statistical Meetings (JSM). Philadelphia, PA. August 2020. Withdrawn due to COVID-19 pandemic.*

Contributed Posters (8)

1. *Missing data methods for cluster randomized trials*. International Conference on Health Policy Statistics (ICHPS). San Diego, CA. January 2020.

2. *Missing data in cluster randomized trials: Options for analysis in R.* IMS 21st Meeting of New Researchers in Statistics and Probability. Fort Collins, CO. July 2019.
3. *Investigating multiple imputation in cluster-randomized trials* (with RR Andridge and AB Shoben). International Clinical Trials Methodology Conference (ICTMC) and Annual Meeting of the Society for Clinical Trials (SCT). Liverpool, UK. May 2016.
4. *Individually randomized group treatment trials with binary outcomes* (with AB Shoben). The Ohio State University, Cleveland Clinic Foundation, and Case Western Reserve University (OSU/CCF/CWRU) Joint Biostatistics Symposium. Columbus, OH. April 2016.
5. *Classroom to collaboration: A grad student's guide.* Conference on Statistical Practice (CSP). San Diego, CA. February 2016.
6. *Individually randomized group treatment trials with binary outcomes* (with AB Shoben). The Ohio State University Statistics and Biostatistics Graduate Student Poster Session. Columbus, OH. September 2015.
7. *Quality measures? The impact of modeling strategy and informative censoring on estimated readmission risk* (with AB Shoben and RE Foraker). Joint Statistical Meetings. Seattle, WA. August 2015.
8. *Quality measures? The impact of modeling strategy and informative censoring on estimated readmission risk* (with AB Shoben and RE Foraker). The Ohio State University, Cleveland Clinic Foundation, and Case Western Reserve University (OSU/CCF/CWRU) Joint Biostatistics Symposium. Cleveland, OH. April 2015.

Teaching Experience

Amherst College, Amherst, MA

Assistant Professor of Statistics 2020 – Present

Teaching

STAT 135: Introduction to Statistics via Modeling, *F20, S21, S22*
STAT 231: Data Science, *F21, F22*
STAT 456: Generalized Linear and Mixed Models, *S21, S22*

Statistics Thesis Supervision

Jessica Yu '22, *Adjusting degrees of freedom for linear mixed models.*
Tony Ni '21, *Evaluation of parameter estimation methods to handle left-censored missingness.*

Postdoctoral Fellow and Visiting Assistant Professor of Statistics 2018 – 2020

STAT 135: Introduction to Statistics via Modeling, *F18, S19*
STAT 230: Intermediate Statistics, *F19*

The Ohio State University, Columbus, OH

Teaching Assistant 2014 – 2015

PUBHBIO 2210: Biostatistics for Public Health Research, *A14, S15*
PUBHBIO 2210H: Honors Biostatistics for Public Health Research, *S15*

Online Course Design Assistant 2014

Recorded instructional examples for first online version of PUBHBIO 6210: Design and Analysis of Studies in the Health Sciences I.

Grader 2013 – 2014

PUBHBIO 6210: Design and Analysis of Studies in the Health Sciences I, *A13*
PUBHBIO 6211: Design and Analysis of Studies in the Health Sciences II, *S14*

Teaching Assistant 2012 – 2013

STAT 1350: Elementary Statistics, *W12*
STAT 1450: Introduction to the Practice of Statistics, *S12, A12, S13*

Grader 2012

STAT 427: Introduction to Probability and Statistics, *S12*

Lecturer 2011

STAT 1450: Introduction to the Practice of Statistics, *A11*

Columbus State Community College, Columbus, OH

Adjunct Instructor of Statistics 2013 – 2014

STAT 1350: Elementary Statistics, *Su13, A13, S14, A14*
STAT 2450: Introduction to Statistical Analysis, *Su13*

Honors

Institute of Mathematical Statistics 21st Meeting of New Researchers in Statistics and Probability 2019

One of 60 early-career statisticians selected to participate.

Biostatistics Fellow for NIMH Advanced Research Institute on Mental Health and Aging 2018

One of 2 early-career biostatisticians selected to participate.

JSM Diversity Mentoring Program 2017

One of 20 students selected to participate.

Awards

Mellon Project, *Reimagining the Commons in Statistics*, Amherst College 2019 – 2021
NIH NCI Research Supplement to Promote Diversity in Health-Related Research 2015 – 2018
Lester R. Curtin Award, American Statistical Association 2016
Awarded to 3 promising, early-career health statisticians.
University Fellow, The Ohio State University 2010 – 2011
Lubrizol Foundation Fellowship, The Ohio State University 2010
Ernest L. Boyer Scholar, Messiah College 2010
Awarded to 3rd-year students who demonstrate a commitment to education, community engagement, and service.
Sigma Zeta National Science and Mathematics Honor Society 2008 – 2010
Academic Dean's List, Messiah College 2006 – 2010
Provost's Scholarship, Messiah College 2006 – 2010
Merit-based scholarship for excellent high school GPA, class rank, and ACT score.
Lloyd and Lois Martin Multicultural Scholarship, Messiah College 2006 – 2010
Awarded to students who demonstrate strong scholarship and service or leadership in their school or community and are committed to promoting racial and ethnic diversity.
National Achievement Scholarship 2006 – 2007

Statistics Consultations

** The projects below are brief or short-term consultations to help with statistical issues in a project.*

Amherst College Undergraduate Thesis Consultations 2019 – Present

Molly Gans '23, Biology (1 hour)
Heather Scott '21, Psychology (4 hours)
Tyler Marovitz '20, Political Science (1.5 hours)
Bree Barnes '20, Environmental Studies (1.5 hours)
Erik Zhang '19, Biology (19 hours)
Jeremy Margolis '20E, Sociology (1 hour)

Development of human brain organoid models to study mitochondrial health during spaceflight 2021

Sally Kim, Assistant Professor of Biology, Amherst College (1 hour)

Discussed statistical analysis plan for project proposal ahead of NASA grant application.

Error propagation in estimating rate of signal transduction in Dictyostelium discoideum cells 2021

Marc Edwards, Assistant Professor of Biology, Amherst College (2 hours)

Recommended a "good enough" approach to a challenging statistical problem beyond my expertise, and provided resources and professional connections for further investigation.

Quantitative Module Development for MUSI 127 Fall 2019

Amy Coddington, Assistant Professor of Music, Amherst College

Co-created a quantitative module for exploring and understanding time series graphs of music chart data in a First Year Seminar, *What is Mainstream Music?*

Mead Art Museum Visitor Records Analysis 2019

Emily Potter-Ndiaye, Head of Education and Curator of Academic Programs (4 hours)

Supervised a student conducting descriptive analysis of visitor records, and made recommendations for improving visitor database and data collection process.

NIMH Advanced Research Institute in Mental Health and Aging, Spring Retreat 2018

Provided statistical consultation for a group of 16 early-career faculty during intensive grant-writing retreat.

Professional Development

1. *Ethic of Care: Relational Teaching and Learning.* Amherst College Provost's Annual Retreat on Teaching and Learning. Amherst, MA. August 2022.
2. *Cluster Randomized Trial Designs in Cancer Care Delivery Research.* National Cancer Institute short course by Karla Hemming and Monica Taljaard. Virtual. May 2022.
3. *Course Design Workshop.* Amherst College Center for Teaching and Learning. Amherst, MA. June 2022.
4. *Subgroup Analysis in Clinical Trials: Opportunities and Challenges.* 14th Annual Conference on Statistical Issues in Clinical Trials. Virtual. April 2022.
5. *Teaching for Metacognitive Equity.* Amherst College Provost's Annual Retreat on Teaching and Learning. Amherst, MA. August 2021.
6. *Cluster Randomized Clinical Trials: Challenges and Opportunities.* 13th Annual Conference on Statistical Issues in Clinical Trials. Virtual. April 2021.

7. *National Institute of Statistical Sciences (NISS) Writing Workshop* August 2020.
8. *Engaging Everyone.* Electronic Conference on Teaching Statistics. June 2020.
9. *Belonging in a Digital World.* Amherst College Provost's Annual Retreat on Teaching and Learning. Amherst, MA. August 2019.
10. *Methods for Causal Inference from Randomized Trials with Loss to Follow-up or Non-Adherence.* SCT workshop lead by Ellie Murray and Ellie Caniglia. New Orleans, LA. May 2019.
11. *Electronic Health Records (EHR) in Randomized Clinical Trials: Challenges and Opportunities.* 12th Annual Conference on Statistical Issues in Clinical Trials. Philadelphia, PA. April 2019.
12. *Syllabus Design Workshop.* Amherst College Center for Teaching and Learning. Amherst, MA. January 2019.
13. *Build → Improve → Share: Apps and Dashboards with Shiny.* Women in Statistics and Data Science short course by Mine Çetinkaya-Rundel. Cincinnati, OH. October, 2018.
14. *Working Together, Learning Together: Cooperative and Collaborative Learning.* Amherst College Dean's Retreat on Inclusive Pedagogies. Amherst, MA. August 2018.
15. *Fostering Diversity in Biostatistics.* ENAR workshop. Washington, DC. March 2017.
16. *Fostering Diversity in Biostatistics.* ENAR workshop. Austin, TX. March 2016.
17. *Propensity Score Methods: Practical Aspects and Software Implementation.* CSP workshop by Adin-Cristian Andrei. San Diego, CA. February 2016.
18. *Adaptive Designs: Overview, Hurdles, Examples, and Software.* SCT workshop by Christopher S. Coffey. Arlington, VA. May 2015.
19. *Addressing Cancer Health Disparities in Appalachia*. Annual Ohio Appalachia Community Cancer Network Research Seminar. Columbus, OH. May 2015.
20. *Advances in Clinical Trial Statistics: Multiplicity Adjustment and Sequential, Multiple Assignment, Randomized Trials.* Innovative Methods Program for Advancing Clinical Trials (IMPACT) Symposium. Cary, NC. November 2014.

Service to the Profession

Co-Chair, StatFest National Organizing Committee 2021 – Present

Organized conference to promote graduate studies and careers in statistics and data science among undergraduate students underrepresented in STEM.

Manuscript Reviewer 2017 – Present

Journals in alphabetical order include *BMC Public Health*, *BMC Women's Health*, *Clinical Trials*, *Epidemiology*, *Harvard Data Science Review*, *International Journal of Data Science and Analytics*, *Journal of Statistics Education*, *PLOS ONE*, *Population Health Metrics*, *Statistics in Medicine*.

Campus Dialog Leader, LACOL QLab Project January – September 2022

Engaged in conversations within and across colleges in the Liberal Arts Collaborative for Digital Innovation (LACOL) about approaches to supporting student quantitative skills development and reported findings back to QLab Project Advisory Board.

Curriculum Reviewer, Data4Justice Curriculum of the QSide Institute January – March 2022

Guest Editor, Special Issue in Foundations of Data Science October 2020 – October 2021

Grant Reviewer, United Kingdom Research and Innovation Medical Research Council (UKRI MRC) 2020

Judge, American Statistical Association Mental Health Statistics Section Student Paper Competition 2020

Member, StatFest National Organizing Committee 2018 – 2020

Assisted in planning Statfest, including managing registration, moderating Q&A sessions, and ensuring operations ran smoothly during conference.

Co-Chair, StatFest Local Organizing Committee 2018

Coordinated resources and accomodations at Amherst College and in surrounding area in preparation for StatFest 2018, and ensured operations ran smoothly during conference.

Panelist, StatFest Graduate Student Experience Panel 2017

Topic-Contributed Session Chair, Joint Statistical Meetings 2016

Topic-Contributed Session Chair, Society for Clinical Trials 2016

Mentorship and Advising

STEM Incubator Lead May 2020 – Present

Developed and ran 6-week summer science-training program for a cohort of 18 first-generation, low-income, Black and Latinx students interested in science careers, in partnership with Marc Edwards (Assistant Professor of Biology) and Chris Durr (Assistant Professor of Chemistry).

Worked with Office of Advancement to secure $1.3 million gift to partially endow the STEM Incubator program as part of the STEM Student Research and Support Fund, in addition to $155,000 in gifts to fund early iterations of the STEM Incubator program.

Intensive Advising 2020 – 2021

Provided additional academic and personal support for 3 students in their first two years at Amherst College, including meetings every 2-3 weeks in their first year.

Major and General Advising 2020 – Present

Summer Bridge Faculty, Quantitative and Social Sciences Track July – August 2020

Co-taught Statistics class with Kevin Donges (Lecturer of Statistics), in program designed to support first-generation and low-incomes students in their transition to the college.

Service to Amherst College

Library Committee 2021 – Present

New Faculty Orientation Panelist July 2021

Course Design. What Does an Amherst Course Look Like?

Antiracism Faculty Leadership Committee 2020 – 2021

Advised Amherst College President Biddy Martin and Provost and Dean of the Faculty Catherine Epstein on antiracism plans at the college and responses to student and alumni demands.

Developed proposals for major curricular changes; met with focus groups of faculty, staff, and students to hear concerns and solicit feedback.

Helped institute antiracism plans within each department and program, shared experiences for students in first year seminars that address race, and a pilot program for sophomore seminars at the college focused on antiracism

Graduate School Experience Panel, Meiklejohn Fellowship Program February 2020

Faculty Panel, Diversity Open House October 2019

Service to Department of Mathematics and Statistics

Coordinator for Student Nominations to Mu Sigma Rho National Honor Society for Statistics	S19 – Present
Statistics Thesis Reader	S19 – Present
Minute-taker	F19 – Present
Coordinator for Statistics Major Info Session	F19 – Present
Statistics Thesis Template Maintainer	F19 – Present
Discussion Lead for Conversations on Antiracism, Diversity, Equity, and Inclusion	F20 – S21
Amherst College Coordinator for Five College DataFest	S20
Coordinator for Statistics & Data Science Colloquium	F19 – S20
Statistics & Data Science Fellows Liaison for Thesis Consulting and Workshops	F19 – S20
Coordinator for Summer Opportunities in Statistics Info Session	F19
Statistics Comprehensive Evaluation Reader	F18 – S20
Statistics Comprehensive Evaluation Mentor	F18 – S20
Visiting Assistant Professor of Statistics Search Committee	F18 – S19

Professional Memberships

American Statistical Association	Since 2007
International Biometrics Society, Eastern North American Region (ENAR)	Since 2016
Society for Clinical Trials	Since 2016
American Public Health Association	Since 2019
Society for Prevention Research	Since 2020