Eloise E. Kaizar

Contact Information

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Department of Statistics
The Ohio State University
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Education

Carnegie Mellon University, Pittsburgh, PA

PhD, Statistics, August 2006
Dissertation: "Combining Information from Diverse Sources"
Advisers: Joel Greenhouse and Howard Seltman

M.S., Statistics, December 2002

University of Pittsburgh, Pittsburgh, PA

B.S., Chemistry, May 1998

B.A., Classics, May 1998

Professional Experience

The Ohio State University, Columbus, OH

Professor	**2019 - present**
Co-Vice Chair for Undergraduate Studies and Administration	**2017-2019, 2020-present**
Associate Professor	**2012 - 2019**
Assistant Professor	**2006 - 2012**

Carnegie Mellon University, Pittsburgh, PA

Teaching Assistant, Various Courses	**August 2001 - December 2005**
Assistant, Statistics Undergraduate Research Experience	**Summer 2002, 2003**

University of Pittsburgh Epidemiology Data Center, Pittsburgh, PA

Graduate Student Researcher	**Summer 2004**

Professional Memberships

American Statistical Association
Caucus for Women in Statistics
International Society of Bayesian Analysis
Ohio State University Association of Staff and Faculty Women
Society for Causal Inference

Awards

Student Travel Award (2005), Society for Clinical Trials
Student Travel Award (2005), ASA Health Policy Statistics Section
Thomas E. and Jean D. Powers Award for Excellence in Teaching (2014), Ohio State University Statistics Department

Grants and Funding

1. *Cross Design Synthesis: Combining evidence about antidepressants and suicidality* (2006-2011), NIMH Grant, PI: K Kelleher, Nationwide Children's Hospital; Co-Investigator.

2. *Pharmaceutical safety tracking (PhaST): managing medications to improve patient safety* (2007-2010), NIH Grant, PI: W Gardner, Nationwide Children's Hospital; Co-Investigator.

3. *Precise Conditions for Permutation Tests to Control Multiple Testing Error Rates* (2010-2012), NSF Grant, Co-PI: J Hsu, OSU; Co-PI.

4. *Teen Options to Prevent Pregnancy (TOPP)* (2010-2015), Administration for Children and Families Grant, PI: Blackburn and Litts, OhioHealth, Co-Investigator: Jack Stevens, Nationwide Children's Hospital; Co-Investigator.

5. *Project to Learn About Youth - Mental Health (PLAY-MH)* (2014-2016), NCBDDD/CDC Grant, PI: Owens, Ohio University; Co-Investigator.

6. *Statistical methods to support a model pediatric traumatic brain injury data bank* (2014-2018), NICHHD Grant, Primary Investigator.

7. *Pediatric TBI treatments: Optimal timing, targets, and patient characteristics* (2016-2018), NICHHD Grant, PI: Shari Wade; Co-Investigator.

8. *Retrospective Analysis of RCT and Observational Data on Alzheimer's Disease* (2014-), Lilly USA, LLC Contract.

Publications

1. **Kaizar EE**, Greenhouse J, Seltman H, Kelleher K. 2006. Do Antidepressants Cause Suicidality in Children? A Bayesian Meta-Analysis. *Clinical Trials* 3(2):73-90. DOI:10.1191/1740774506cn139oa.

2. **Kaizar EE**, Chisholm D, Seltman H, Greenhouse J, Kelleher KJ. 2006. The Role of Care Location in Diagnosis and Treatment of Pediatric Psychosocial Conditions. *The Journal of Developmental and Behavioral Pediatrics* 27(3):219-225.

3. Olson MB, Shaw LJ, **Kaizar EE**, Kelsey SF, Bittner V, Reis SE, Smith K, Braunstein GD, Berga SL, Johnson BD, Bairey-Merz N. 2006. Obesity Distribution and Reproductive Hormone Levels in Women: A Report from the NHLBI-sponsored WISE Study. *The Journal of Women's Health* 15(7):836-842. DOI:10.1089/jwh.2006.15.836

4. Stevens J, Kelleher K, Greenhouse J, Chen G, Xiang H, **Kaizar EE**, Jensen PS, Arnold LE. 2007. Empirical Evaluation of the Generalizability of the Sample From the Multimodal Treatment Study for ADHD. *Administration and Policy in Mental Health and Mental Health Services Research* 34(3):221-232. DOI: 10.1007/s10488-006-0097-4.

5. O'Brien SH, **Kaizar EE**, Gold MA, Kelleher KJ. 2008. Trends in Prescribing Patterns of Hormonal Contraceptives for Adolescents. *Contraception* 77(4):264-269. DOI:10.1016/j.contraception.2007.12.009.

6. Greenhouse J, **Kaizar EE**, Seltman H, Kelleher K, Gardner, W. 2008. Generalizing from Clinical Trial Data: A Case Study. The Risk of Suicidality Among Pediatric Antidepressant Users. *Statistics in Medicine* 27(11):1801-1813. DOI:10.1002/sim.3218.

7. **Kaizar EE**, Fienberg SE, Seltman H, Stern S. 2009. Who Are Connected to the Pittsburgh Jewish Community. *Contemporary Jewry* 29:301-316. DOI:10.1007/s12397-009-9017-8.

8. Weltman B, Vig K, Shanker S, Fields HW, **Kaizar EE**. 2010. Root Resorption Associated with Orthodontic Tooth Movement: A Systematic Review. *American Journal of Orthodontics & Dentofacial Orthopedics* 137(4):462-476. DOI:10.1016/j.ajodo.2009.06.021.

9. **Kaizar EE**, Li Y, Hsu JC. 2011. Permutation Multiple Tests of Binary Features Do Not Uniformly Control Error Rates. *Journal of the American Statistical Association* 106(495):1067-1074. DOI:10.1198/jasa.2011.tm10067.

10. **Kaizar EE**. 2011. Estimating Treatment Effect via Simple Cross Design Synthesis. *Statistics in Medicine* 30(25):2986-3009. DOI: 10.1002/sim.4339.

11. Yeates KO, **Kaizar EE**, Rusin J, Bangert B, Dietrich A, Nuss K, Wright M, Taylor HG. 2012. Reliable Change in Post-Concussive Symptoms and its Functional Consequences Among Children with Mild Traumatic Brain Injury. *Archives of Pediatrics & Adolescent Medicine* 166(7):615-622. DOI: 10.1001/archpediatrics.2011.1082.

12. Bhaumik DK, Amatya A, Normand SL, Greenhouse J, **Kaizar E**, Neelon B, Gibbons RD. 2012. Meta-Analysis of Rare Binary Adverse Event Data. *Journal of the American Statistical Association* 107(498):555-567. DOI:10.1080/01621459.2012.664484.

13. Scribano PV, Stevens J, **Kaizar EE**, for the NFP-IPV Research Team. 2013. The Effects of Intimate Partner Violence Before, During, and After Pregnancy in Nurse Visited First Time Mothers. *Maternal Child Health Journal* 17(2):307-318. DOI: 10.1007/s10995-012-0986-y.

14. Tang S-Y, **Kaizar E**, Hsu JC. 2013. Designing Studies for Assessing Efficacy in Mixture Populations. In Hu M, Lu Y, Lin J. (Eds.), *Topics in Applied Statistics from the 2012 Symposium of International Chinese Statistical Association* 55:63-73. DOI:10.1007/978-1-4614-7846-1_6.

15. Pressler T, **Kaizar EE**. 2013. The Use of Propensity Scores to Estimate Randomized Controlled Trial Generalizability Bias using Observational Data. *Statistics in Medicine* 32(20):3552-3568. DOI: 10.1002/sim.5802. (Response to comments 33(3):538-539. DOI:10.1002/sim.6032.)

16. Robinson KE, **Kaizar E**, Catroppa C, Godfrey C, Yeates KO. 2014. A Systematic Review and Meta-Analysis of Cognitive Interventions for Children with Central Nervous System Disorders and Neurodevelopmental Disorders. *Journal of Pediatric Psychology* 39(8):846-865. DOI:10.1093/jpepsy/jsu031.

17. Amatya A, Bhaumik DK, Normand SL, Greenhouse J, **Kaizar E**, Neelon B, Gibbons RD. 2015. Likelihood-based Random Effect Meta-analysis of Binary Events. *Journal of Biopharmaceutical Statistics* 25(5):984-1004. DOI: 10.1080/10543406.2014.920348.

18. Liu Y, Tang S-Y, Man M, Li YG, Ruberg SJ, **Kaizar E**, and Hsu JC. 2016. Thresholding of a Continuous Companion Diagnostic Test Confident of Efficacy in Targeted Population. *Statistics in Biopharmaceutical Research* 8(3):325-333. DOI:10.1080/19466315.2016.1206486.

19. Kline D, Andridge R, and **Kaizar E**. 2017. Comparing Multiple Imputation Methods for Systematically Missing Subject-Level Data. *Research Synthesis Methods* 8:136-148. DOI:10.1002/jrsm.1192.

20. Kunkel D, **Kaizar EE**. 2017. A Comparison of Existing Methods for Multiple Imputation in Individual Participant Data Meta-Analysis. *Statistics in Medicine* 36(22):3507-3532. DOI: 10.1002/sim.7388.

21. Wade SL, **Kaizar EE**, Narad M, Zang H, Kurowski BG, Yeates KO, Taylor HG, and Zhang, N. 2018. Online Family Problem-solving Treatment for Pediatric Traumatic Brain Injury. *Pediatrics*. 142(6): e20180422; DOI: 10.1542/peds.2018-0422.

22. Zhang N, **Kaizar EE**, Narad M, Kurowski B, Yeates K, Taylor H, and Wade S. 2019. Examination of Injury, Host, and Social-Environmental Moderators of Online Family Problem Solving Treatment Efficacy for Pediatric Traumatic Brain Injury Using an Individual Participant Data Meta-Analytic Approach. *Journal of Neurotrauma*. 36(7):11471155. DOI: 10.1089/neu.2018.5885.

23. Wade S, Fisher A, **Kaizar E**, Yeates K, Taylor H, and Zhang N. 2019. Recovery Trajectories of Child and Family Outcomes Following Online Family Problem-Solving Therapy for Children and Adolescents after Traumatic Brain Injury. *Journal of the International Neuropsychological Society*. 25(9): 941-949. DOI: 10.1017/S1355617719000778.

24. Wade SL, Kaizar EE, Narad ME, Zang H, Kurowski BG, Miley AE, Moscato EL, Aguilar JM, Yeates KO, Taylor HG, Zhang N. 2020. Behavior Problems Following Childhood TBI: The Role of Sex, Age, and Time Since Injury. *Journal of Head Trauma Rehabilitation*. 35(5): E393-E404. DOI: 10.1097/HTR.0000000000000567

25. Lin C-Y, **Kaizar E**, Faries D, and Johnston J. 2021. A comparison of reweighting estimators of average treatment effects in real world populations. *Pharmaceutical Statistics*. 20(4):765-782. DOI: 10.1002/pst.2106.

26. Collins G, **Kaizar E**, and Lundine J. 2021. Bayesian Generalized Linear Mixed Model Analysis of Language Samples: Detecting Patterns in Expository and Narrative Discourse of Adolescents with Traumatic Brain Injury. *Journal of Speech, Language, and Hearing Research*. 64(4): 1256-1270. DOI: 10.1044/2020_JSLHR-20-00471

27. Santoro LR, Assaf E, Bond RM, Cranmer SJ, **Kaizar EE**, Sivakoff DJ. 2021. Exploring the Direct And Indirect Effects Of Elite Influence On Public Opinion. *PLoS ONE* 16(11): e0257335. https://doi.org/10.1371/journal.pone.0257335

28. Assaf E, Bond R, Cranmer S, **Kaizar E**, Ratliff Santoro L, Shikano S, Sivakoff D. 2021. Understanding the Relationship Between Official and Social Information About Infectious Disease: Experimental Analysis. *Journal of Medical Internet Research* 23(11):e25287. DOI: 10.2196/25287.

29. Narad ME, **Kaizar EE**, Zhang N, Taylor HG, Yeates KO, Kurowski BG, Wade SL. 2022. The Impact of Preinjury and Secondary Attention-Deficit/Hyperactivity Disorder on Outcomes After Pediatric Traumatic Brain Injury. *Journal of Developmental and Behavioral Pediatrics*. DOI: 10.1097/dbp.0000000000001067.

Unrefereed and Invited Publications

1. **Kaizar EE**. 2005. Metaanalyses Are Observational Studies: How Lack of Randomization Impacts Analysis, Editorial. *American Journal of Gastroenterology* 100(6):1233-1236. DOI: 10.1111/j.1572-0241.2005.50107.x.

2. **Kaizar EE**. 2009. Book Review of: Böhning, D., Kuhnert, R. and Rattanasiri, S. Meta-Analysis of Binary Data Using Profile Likelihood. *Biometrics* 65:666-667. DOI:10.1111/j.1541-0420.2009.01247_8.x.

3. **Kaizar E**. 2015. Incorporating Both Randomized and Observational Data into a Single Analysis. *Annual Review of Statistics and its Application* 2: 49-72. DOI:10.1146/annurev-statistics-010814-020249.

4. Kil S, **Kaizar E**, Tang S, Hsu J. (2020) Confident Statistical Inference with Multiple Outcomes, Subgroups, and Other Issues of Multiplicity. In: S Piantadosi and CL Meinert (Eds.) *Principles and Practice of Clinical Trials*, Switzerland: Springer.

Abstracts and Refereed Conference Presentations

1. Merz CB, Johnson BD, **Kaizar EE**, Stanzyk F, Sharaf B, Bittner V, Berga SL, Braunstein GD, Azziz R, Hodgson TK, Pepine CJ, Kelsey SF, Sopko G. 2005. Endogenous androgens and coronary artery disease in women: A report from the NHLBI-sponsored WISE study. *Circulation*. 112(17):U690.

2. Johnson BD, Merz CNB, **Kaizar EE**, Stanczyk FZ, Bittner V, Berga SL, Braunstein GD, Sharaf BL, Azziz R, Hodgson TK, Pepine CJ, Kelsey SF, von Mering GO, Sopko G. 2006. Testosterone, estrogen, and coronary function in women: A report from the NHLBI-sponsored Women's Ischemia Syndrome Evaluation (WISE) study. *Journal of the American College Of Cardiology*. 47(4):366A.

3. Pearson GD, Splaingard D, **Kaizar E**, Spalingard ML. 2008. Use of Polysomnography (PSG) in Management of Newborns with Pierre Robin Sequence (PR) and Obstructive Sleep Apnea (OSA) with Mandibular Distraction (MD). *Sleep*. 31:A71.

4. Schwartz ME, Owens JS, Evans S, **Kaizar E**. November, 2015. Examining Discrepancies Between Teacher and Student Ratings of ADHD on the Strengths and Difficulties Questionnaire. Poster presented at the annual convention for the Association for Behavioral and Cognitive Therapies, Chicago, IL.

5. McMahon A, Sacchetti G, Schwartz M, Evans SW, **Kaizar E**, Owens JS. November, 2015. Psychometric Properties of Two Teacher-Rated Screening Tools for Identifying ADHD in High School Youth. Poster presented at the annual convention for the Association for Behavioral and Cognitive Therapies, Chicago, IL.

6. Sacchetti G, Owens JS, Evans SW, Coy MP, Schwartz M, Credit ME, **Kaizar E**. June, 2017. Emotional/Behavioral Screening Scores Predicting Academic Achievement in K-12th Grade Students. Poster presented at the International Society for Research in Child and Adolescent Psychopathology, Amsterdam, Netherlands.

Invited Presentations

1. *Combining Information: Heterogeneity in Research Synthesis.* Statistics and Biostatistics Seminar, The Ohio State University, Columbus, OH. February, 2006.

2. *Discussion of "Trends in Urinary Metabolites of Organophosphate and Pyrethroids Pesticides Measured in a Longitudinal Birth Cohort," presented by Marcia Nishioka.* Environmental Exposure and Health Data Seminar (Discussant) Ohio State University, Columbus, OH. March, 2007.

3. *Research Synthesis with Sparse Data.* Seminars on Statistics in Marketing and Psychology, Ohio State University, Columbus, OH. June, 2007.

4. *Bayesian Approaches to Combining Rare Event Evidence.* Drug Information Association Annual Meeting, Atlanta, GA. June, 2007.

5. *Combining Information from Randomized and Observational Data: A Simulation Study.* SAMSI Summer Program on Meta-analysis, Research Triangle Park, NC. June, 2008.

6. *How to Use a Statistics Service.* The Research Institute at Nationwide Children's Hospital, Columbus, OH. July, 2008.

7. *Generalizing Data from Randomized Trials.* Eastern North American Region of the International Biometrics Association, San Antonio, TX. March, 2009.

8. *Make No Mistake: Stepwise Multivariate Permutation Tests May Not Control Multiple Testing Error Rates.* International Chinese Statistical Association Applied Statistics Symposium, Indianapolis, IN. June, 2010.

9. *Quantifying and Correcting Generalization Bias.* Penn State University Statistics Department Colloquium, State College, PA. September, 2010.

10. *Quantifying and Correcting Generalization Bias in Safety Assessment.* FDA/Industry Statistics Workshop, Washington, DC. September, 2010.

11. *Quantifying and Correcting Generalization Bias.* University of Pennsylvania Biostatistics Seminar Series, Philadelphia, PA. December, 2010.

12. *Quantifying and Correcting Generalization Bias.* New York Psychiatric Institute Division of Biostatistics Seminar Series, New York, NY. March, 2011

13. *Quantifying and Correcting Generalization Bias.* Ohio State University Initiative in Population Research Methodology Seminar Series, Columbus, OH. April, 2011.

14. *Permutation Multiple Tests of Binary Features May Not Control Error Rates.* Joint Statistical Meetings, Miami Beach, FL. August, 2011.

15. *What to Shrink? Random Effects in Discrete Data Meta-Analysis.* International Conference on Health Policy Statistics, Cleveland, OH. October, 2011.

16. *Research Synthesis in Practice: Two Case Studies and a Model-Based Perspective.* University of Pittsburgh Department of Epidemiology, Pittsburgh, PA. March, 2013.

17. *Using Observational Studies to Determine RCT Generalizability.* Observational Studies in a Learning Health System Conference, Institute of Medicine, Washington, DC. April, 2013.

18. *Combining RCTs and Observational Studies.* 121st Committee on National Statistics Meeting, National Academy of Sciences, Washington, DC. May, 2013.

19. *Mixed-Effects Models for Meta-Analysis.* Ohio State University Center for Biostatistics, Columbus, OH. May, 2013.

20. *Generalizing from RCTs: Bias Quantification and Correction.* Dartmouth College, Hanover, NH. June, 2013.

21. *Issues in Resampling-Based Multiple Testing in Personalized Medicine.* FDA/Industry Statistics Workshop, Washington, DC. September, 2013.

22. *Hierarchical Models in Random Effects Meta-Analysis.* Ordered Data Analysis, Models and Health Research Methods: An International Conference in Honor of H.N. Nagaraja for His 60th Birthday, Dallas, TX. March, 2014.

23. *Generalizing RCTs by Extrapolating.* Planning Meeting on the Design and Analysis of Observational Studies to Enhance Their Use in Providing Causal Inference, Committee on National Statistics of the National Academy of Sciences, Washington, DC. May, 2014.

24. *Generalizability of Randomized Controlled Trials.* Global Patient Outcomes and Real World Evidence Lunch and Learn. Eli Lilly and Company, Indianapolis, IN. September, 2014. Jointly presented with Joe Johnston, Sarah Curtis, and Chen-Yen Lin.

25. *Combining Studies to Generalize Causal Conclusions.* Berry Consultants, Remote presentation. June, 2015.

26. *Putting the Pieces Together: Research Synthesis for Focused Decision-Making.* Foundations Meet Translation Workshop, Mathematical Biosciences Institute and Translational Data Analytics, The Ohio State University, Columbus, OH. December 2, 2015.

27. *Random Effects and Beyond: Addressing Population Heterogeneity in Meta-Analysis.* Quantitative Psychology Colloquium Series, The Ohio State University, Columbus, OH. February 15, 2016.

28. *Estimating Beyond the Trial-Represented Population by Incorporating Studies with Self-Selected Treatments.* The Inaugural Ross-Royall Symposium: From Individuals to Populations, Baltimore, MD. February 26, 2016.

29. *Using Multiple Studies to Assess Generalizability and Broaden Conclusions.* National Institutes of Health (NIH) Office of Disease Prevention (ODP) Pathways to Prevention (P2P) Workshop on Advancing Research To Prevent Youth Suicide, Bethesda, MD. March 29, 2016.

30. *Multiple Imputation to Construct a Data Bank from a Collection of Studies.* University of Louisville Department of Bioinformatics & Biostatistics, Louisville, KY. October 21, 2016.

31. *On Weighted Estimators for Generalizing Average Treatment Effects from a Trial to a Target Population.* Johns Hopkins Department of Biostatistics, Baltimore, MD. April 7, 2017.

32. *Comparing Multiple Imputation Methods for Constructing Data Banks.* The Ohio State University Department of Biomedical Informatics Seminar Series, Columbus, OH. May 19, 2017.

33. *Multiple Imputation Methods for Constructing Data Banks.* Eli Lilly and Company Bayesian Seminar Series, Remote presentation. May 26, 2017.

34. *Meta-Analysis With Multiple Imputation: Constructing Data Banks for Hard-To-Study Populations.* Duke University Statistical Science Department Seminar Series, Durham, NC. November 10, 2017.

35. *Combining Data in a Single Analysis.* American Association for the Advancement of Science Annual Meeting, Austin, TX. February 18, 2018.

36. *Introduction to Cross-Design Synthesis and Generalizability.* The Ohio State University Research Methodology Center and Department of Statistics, Columbus, OH. February 22, 2018.

37. *Imputation Methods for Individual Participant Data Meta-Analysis.* Joint Statistical Meetings, Vancouver, BC, Canada. July 31, 2018.

38. *Multiply Imputed Data Banks for Hard-To-Study Populations: An Example in Pediatric Traumatic Brain Injury.* [Lightning Talk] Mini-symposium on Quantitative Neuroscience, The Ohio State University, Columbus, OH. September 13, 2018.

39. *Watching your Weights: Generalizing from a Randomized Trial to a 'Real World' Target Population.* Statistics Seminar, Arizona State University, Tempe, AZ. September 21, 2018.

40. *Generalizing from RCTs to Real World Populations - Methods and Examples.* Real World Analysis Forum, Eli Lilly, Remote presentation. Feburary 11, 2019. Joint presentation with Mark Belger, Joseph Johnston, and Chen-Yen Lin.

41. *Watching your Weights: Generalizing from a Randomized Trial to a 'Real World' Target Population.* Center for Social Statistics Seminar, University of California, Los Angeles, Los Angeles, CA. March 12, 2019.

42. *Watching your Weights: Generalizing from a Randomized Trial to a 'Real World' Target Population.* Statistics Seminar, Brown University, Providence, RI. April 22, 2019.

43. *Discussion of: Causally interpretable meta-analysis: transporting inferences from multiple randomized trials to a target population, presented by Issa Dahabreh.* Online Causal Inference Seminar. April 27, 2021.

Contributed Presentations

1. *Who is Connected to the Pittsburgh Jewish Community?* Joint Statistical Meetings, Toronto, Ontario, Canada. August, 2004.

2. *Do Antidepressants Cause Suicide in Children? A Bayesian Meta-Analysis.* Eastern North American Region of the International Biometrics Association, Austin, TX. March, 2005.

3. *Do Antidepressants Cause Suicide in Children? A Bayesian Meta-Analysis.* Society for Clinical Trials Annual Meeting, Portland, OR. May, 2005.

4. *Do Antidepressants Cause Suicide in Children? A Bayesian Meta-Analysis.* Joint Statistical Meetings, Minneapolis, MN. August, 2005.

5. *Combining Information from Randomized and Observational Data: A Simulation Study.* Eastern North American Region of the International Biometrics Association, Atlanta, GA. March, 2007.

6. *Bayesian Models For The Meta-Analysis of Sparse Tables.* Joint Statistical Meetings, Denver, CO. August, 2008.

7. *Discussion of "Henmi, M. and Copas, J. B. (2010), Confidence intervals for random effects meta-analysis and robustness to publication bias.",* Observational Data Reading Group. Ohio State University, Columbus, OH. January, 2011.

8. *Permutation Multiple Tests of Binary Features Are Not Guaranteed to Control Error Rates.* Conference on Multiple Comparisons Procedures, Washington, DC. August, 2011.

9. *On Variance Estimation when Generalizing from a Trial to a Target Population.* International Conference on Health Policy Statistics, Charleston, SC. January, 2018.

10. *Individual Patient Data Meta-Analysis of Collections of Trials on Behavioral Treatments for Pediatric Traumatic Brain Injury.* Global Symposium of Innovation in Trauma Research Methods, Columbus, OH. June, 2018.

11. *Inconvenient Diagnostics and Corrections for Convenience Samples.* Joint Statistical Meetings, Denver, CO. August, 2019.

Professional Service

Committee Memberships

ASA Survey Review Committee (2008 - 2013)
Gertrude M. Cox Scholarship Award Subcommittee, Chair (2014 - 2019)
ASA Awards Council (2014 - 2019)
2018 International Conference on Health Policy Statistics Student Committee
2022 ENAR Program Committee representative for the ASA Health Policy Statistics Section

Editorial Service

The American Statistician, Associate Editor (2020 - present)
Bayesian Analysis, Associate Editor (2020 - present)

Referee for Journals
American Journal of Evaluation
American Journal of Gastroenterology
Annals of Applied Statistics
Annals of Medicine
The American Statistician
Biometrical Journal
Biostatistics
Biometrics
BMJ Open
Clinical Trials
Clinical Psychology: Science and Practice
Communications in Statistics - Theory and Methods
Ecosphere
Health Services and Outcomes Research Methodology
International Journal of Geriatric Psychiatry
Journal of Adolescence
Journal of the American Statistics Association
Journal of Biopharmaceutical Statistics
Journal of Computational and Graphical Statistics
Journal of Research on Educational Effectiveness
Journal of the Royal Statistical Society, Series A
Journal of the Royal Statistical Society, Series C
Journal of Statistical Planning and Inference
Pharmacoepidemiology and Drug Safety
PLOS ONE
Statistical Applications in Genetics and Molecular Biology
Statistical Methods in Medical Research
Statistical Science
Statistics in Medicine
Statistics and Probability Letters
Survey Methodology

Other National and Local Service

JSM Session Chair, Issues in Substance Abuse and Mental Health Research, 2008
JSM Session Chair, Statistical Methods for Assessing Generalizability, 2010
Grant Reviews for PCORI, 2014, 2015, 2016, 2017, 2018, 2019, 2021
Federal Motor Carrier Safety Administration Commercial Motor Vehicle
        Driver Restart Study Peer Review Panel, 2015
Grant Review for NSF, 2016, 2019
Midwest Biopharmaceutical Statistics Workshop session organizer, 2017
Florence Nightengale Day Volunteer, Columbus Ohio 2018

Teaching, Regular	**Carnegie Mellon University**, Pittsburgh, PA	
	Sampling, Survey and Society	**Spring 2006**
	The Ohio State University, Columbus, OH	
	651: Survey Sampling Methods	**Winter 2007**
	882: Missing Data	**Spring 2007**

528: Data Analysis I	**Winter 2008**
665: Discrete Data Analysis	**Spring 2008**
528: Data Analysis I	**Autumn 2008**
651: Survey Sampling Methods	**Winter 2009**
428: Introduction to Probability and Statistics II	**Spring 2009**
652: Applied Statistical Analysis with Missing Data	**Autumn 2009**
665: Discrete Data Analysis	**Spring 2010**
528: Data Analysis I	**Autumn 2010**
651: Survey Sampling Methods	**Winter 2011**
665: Discrete Data Analysis	**Spring 2011**
528: Data Analysis I	**Autumn 2011**
652: Applied Statistical Analysis with Missing Data	**Autumn 2011**
665: Discrete Data Analysis	**Spring 2012**
428: Introduction to Probability and Statistics II	**Spring 2012**
6510: Survey Sampling Methods	**Autumn 2012**
6801: Statistical Theory I	**Autumn 2012**
7430: Generalized Linear Models	**Spring 2013**
6520: Applied Statistical Analysis with Missing Data	**Autumn 2013**
6801: Statistical Theory I	**Autumn 2013**
7430: Generalized Linear Models	**Spring 2014**
6510: Survey Sampling Methods (online)	**Autumn 2014**
6650: Discrete Data Analysis	**Spring 2015**
6520: Applied Statistical Analysis with Missing Data	**Autumn 2015**
7430: Generalized Linear Models	**Spring 2016**
6650: Discrete Data Analysis	**Spring 2016**
6510: Survey Sampling Methods	**Autumn 2016**
7430: Generalized Linear Models	**Spring 2017**
6520: Applied Statistical Analysis with Missing Data	**Autumn 2017**
7430: Generalized Linear Models	**Spring 2018**
3470: Introduction to Probability and Statistics for Engineers	**Autumn 2018**
7430: Generalized Linear Models	**Spring 2019**
5740: Introduction to SAS Software	**Autumn 2020**
GRADTDA 5626: Introduction to SAS Software	**Spring 2021**
5740: Introduction to SAS Software	**Autumn 2021**
6520: Applied Statistical Analysis with Missing Data	**Autumn 2021**

Teaching, Other	**Carnegie Mellon University**, Pittsburgh, PA	
	Introduction to SAS Workshop	**July 15, 2002**
	Carnegie Mellon Statistics Undergraduate Research Experience	**Summer 2002, 2003**
	The Ohio State University, Columbus, OH	
	Health Survey Methods, 2008 Summer Program in Applied Biostatistical and Epidemiological Methods (SPABEM), co-taught with Elizabeth Stasny	**June 16-20, 2008**
	Survey Analysis and Research Methods, 2016 Summer Program in Population Health, Co-taught with Elizabeth Stasny	**June 20-24, 2016**
	Foundation of Statistics (online), College of Engineering Professional and Distance Education Programs, Co-taught with Peter Craigmile and Vince Vu	**Spring 2017 - Spring 2022**
	Hypothesis Testing, Department of Biomedical Informatics Annual Clinical Trials Workshop	**May 3, 2017; May 17, 2018**