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RESEARCH KEYWORDS

Bayesian analysis, comparative effectiveness research, network meta-analysis, data synthesis, causal inference, propensity score, measurement error, personalized medicine, patient-centered outcome, generalizability, clinical trial data analysis, observational study, missing data

EDUCATION

- 2013 **University of Minnesota**, Minneapolis, MN, USA
PhD in Biostatistics
Thesis: *Hierarchical Bayesian methods for multiple outcomes in mixed treatment comparisons*
Advisor: Bradley P. Carlin, PhD
- 2010 **Harvard University**, Boston, MA, USA
MS in Biostatistics
- 2008 **Chung-Ang University**, Seoul, South Korea
BS in Statistics

PROFESSIONAL EXPERIENCE

- 2018 - present **Assistant Professor**
Department of Biostatistics and Bioinformatics, Duke University School of Medicine
Duke Clinical Research Institute
- 2014 - 2018 **Postdoctoral Fellow**
Department of Mental Health, Johns Hopkins Bloomberg School of Public Health
Faculty Mentor: Elizabeth A. Stuart, PhD
- 2013 - 2014 **Postdoctoral Associate**
Division of Biostatistics, University of Minnesota
Division of Health Policy and Management, University of Minnesota
Faculty Mentors: Bradley P. Carlin, PhD and Nathan D. Shippee, PhD
- 2011 - 2013 **Research Assistant**
Division of Biostatistics, University of Minnesota
Principal Investigator: Bradley P. Carlin, PhD
- 2012 - 2013 **Research Assistant**
Division of Health Policy and Management, University of Minnesota
Principal Investigator: Tetyana Shippee, PhD
- 2010 - 2011 **Research Assistant**
Division of Biostatistics, University of Minnesota
Principal Investigator: Wei Pan, PhD
- 2009 - 2010 **Research Assistant**
Harvard AIDS Initiative (Marlink group), Harvard School of Public Health
Principal Investigator: Richard G. Marlink, MD
- 2007 **Research Assistant**
Korean Food and Drug Administration, Seoul, South Korea
Principal Investigator: Sang-Gue Park, PhD
- 2006 - 2007 **Research Assistant**
National Customer Satisfaction Index (NCSI) Research, Chung-Ang University
Principal Investigator: Sang-Gue Park, PhD

PUBLICATIONS (†: author names in alphabetical order; underline: trainee)

PEER REVIEWED JOURNAL ARTICLES

1. Mayo-Wilson E, Chen X, Qureshi R, Dickinson S, Golzarri-Arroyo L, **Hong H**, Gorg C, and Li T (2021+). Restoring invisible and abandoned trials of gabapentin for neuropathic pain: A clinical and methodological investigation (protocol). *BMJ Open*. Forthcoming.
2. Zhang J, **Hong H**, and Chen Y (2021+). Dynamic synthesis of historical information through network-meta-analytic-predictive priors. *Statistics in Medicine*. Forthcoming.
3. Wang L, Paller CJ, **Hong H**, Rosman L, Felice AD, Brawley O, and Alexander GC (2021+). Efficacy and safety of treatments for nonmetastatic castration-resistant prostate cancer: A matching-adjusted indirect comparison and network meta-analysis. *Journal of the National Cancer Institute*. Forthcoming.
4. Wang L, Paller CJ, **Hong H**, Felice AD, Alexander GC, and Brawley O (2021). Comparison of systemic treatments for metastatic castration-sensitive prostate cancer: a systematic review and network meta-analysis. *Journal of the American Medical Association Oncology*. doi: 10.1001/jamaoncol.2020.6973.
5. Carnicelli AP, **Hong H**, Giugliano RP, Connolly SJ, Eikelboom J, Patel MR, Wallentin L, Morrow DA, Wojdyla D, Hua K, Hohnloser SH, Oldgren J, Ruff CT, Piccini JP, Lopes RD, Alexander JH, Granger CB, on behalf of the COMBINE AF Investigators (2021). Individual patient data from the pivotal randomized controlled trials of non-vitamin K antagonist oral anticoagulants in patients with atrial fibrillation (COMBINE AF): design and rationale. *American Heart Journal*. **233**:4858.
6. Seamans MJ, **Hong H**, Ackerman B, Schmid I, and Stuart EA (2021). Generalizability of subgroup effects. *Epidemiology*. doi: 10.1097/EDE.0000000000001329.
7. Heston S, Young RR, **Hong H**, Akinboyo IC, Tanaka JS, Martin PL, Vinesett R, Jenkins K, McGill LE, Hazen KC, Seed PC, and Kelly MS (2020). Microbiology of bloodstream infections in children after hematopoietic stem cell transplantation: a single-center experience over two decades (1997-2017). *Open Forum Infectious Diseases*. **7**(11):ofaa465.
8. Congdon M, **Hong H**, Young RR, Cunningham CK, Enane LA, Arscott-Mills T, Banda FM, Chise M, Motlathledi K, Feemster K, Patel SM, Boiditswe S, Leburu T, Shah SS, Steenhoff AP, and Kelly MS (2020). Effect of Haemophilus influenzae type b and 13-valent pneumococcal conjugate vaccines on childhood pneumonia hospitalizations and deaths in Botswana. *Clinical Infectious Diseases*. ciaa919, <https://doi.org/10.1093/cid/ciaa919>.
9. **Hong H**, Wang C, and Rosner G (2020). Meta-analysis of rare adverse events in randomized clinical trials: Bayesian and frequentist methods. *Clinical Trials*. doi:10.1177/1740774520969136.
10. Schmid I, Rudolph KE, Nguyen TQ, **Hong H**, Seamans MJ, Ackerman B, and Stuart EA (2020). Comparing the performance of statistical methods that generalize effect estimates from randomized controlled trials to much larger target populations. *Communications in Statistics - Simulation and Computation*. doi: 10.1080/03610918.2020.1741621.
11. Lopes RD, **Hong H**, Harskamp RE, Bhatt DL, Mehran R, Cannon CP, Granger CB, Verheugt FWA, Li J, Berg JMt, Sarafoff N, Vranckx P, Goette A, Gibson CM, and Alexander JH (2020). Optimal antithrombotic regimens for patients with atrial fibrillation undergoing percutaneous coronary intervention: an updated network meta-analysis. *Journal of the American Medical Association Cardiology*. **5**(5):582589.
12. Lopes RD, **Hong H**, and Alexander JH (2019). Antithrombotic therapy after acute coronary syndrome and/or percutaneous coronary intervention in atrial fibrillation: finding the sweet spot. *European Heart Journal*. **40**(46):37683770.
13. Mayo-Wilson E, Fusco N, **Hong H**, Li T, Canner JK, and Dickersin K (2019). Opportunities for selective reporting of harms in randomized clinical trials: Selection criteria for non-systematic adverse events. *Trials*. **20**:553.
14. Lopes RD, **Hong H**, Harskamp RE, Bhatt DL, Mehran R, Cannon CP, Granger CB, Verheugt FWA, Li J, Berg JMt, Sarafoff N, Gibson CM, and Alexander JH (2019). Safety and efficacy of antithrombotic strategies in patients with atrial fibrillation undergoing percutaneous coronary intervention: a network meta-analysis of randomized controlled trials. *Journal of the American Medical Association Cardiology*. **4**(8):747-755.

15. Mayo-Wilson E, Fusco N, Li T, **Hong H**, Canner JK, Cowley T, Haythornthwaite J, Payne J, Tolbert E, and Dickersin K (2019). Harms are assessed inconsistently and reported inadequately Part 2: Nonsystematic adverse events. *Journal of Clinical Epidemiology*. **113**:11-19.
16. Mayo-Wilson E, Fusco N, Li T, **Hong H**, Canner JK, Cowley T, Haythornthwaite J, Payne J, Tolbert E, and Dickersin K (2019). Harms are assessed inconsistently and reported inadequately Part 1: Systematic adverse events. *Journal of Clinical Epidemiology*. **113**:20-27.
17. Siotos C, **Hong H**, Uzosike A, Seal SM, Rosson GD, Cooney CM, and Cooney DS (2019). Keloid excision and adjuvant treatments: a network meta-analysis. *Annals of Plastic Surgery*. **83**(2):154-162.
18. **Hong H**, Aaby DA, Siddique J, and Stuart EA (2019). Propensity score-based estimators with multiple error-prone covariates. *American Journal of Epidemiology*. **188**(1):222-230.
19. Li T, Mayo-Wilson E, Fusco N, **Hong H**, Dickersin K, and the MUDS investigators (2018). Caveat emptor: the combined effects on multiplicity and selective reporting. *Trials*. **19**(1):497.
20. **Hong H**, Fu H, and Carlin BP (2018). Power and commensurate priors for synthesizing aggregate and individual patient-level data in network meta-analysis. *Journal of the Royal Statistical Society: Series C (Applied Statistics)*. **67**(Part 4):1047-1069.
21. Susukida R, Crum RM, **Hong H**, Stuart EA, and Mojtabai R (2018). Comparing pharmacological treatments for cocaine dependence: Incorporation of methods for enhancing generalizability in meta-analytic studies. *International Journal of Methods in Psychiatric Research*. **27**(4):e1609.
22. Mayo-Wilson E, Li T, Fusco N, Bertizzolo L, Canner J, Cowley T, Doshi P, Ehmsen J, Gresham G, Guo N, Haythornthwaite J, Heyward J, **Hong H**[†], Lock D, Payne J, Rosman L, Stuart EA, Suarez-Cuervo C, Tolbert E, Twose C, Vedula S, and Dickersin K (2017). Cherry-picking by trialists and meta-analysts can drive conclusions about intervention efficacy. *Journal of Clinical Epidemiology*. **91**:95-110.
23. Mayo-Wilson E, Fusco N, Li T, **Hong H**, Canner J, Dickersin K, and the MUDS team (2017). Multiple outcomes and analyses in clinical trials create challenges for interpretation and research synthesis. *Journal of Clinical Epidemiology*. **86**:39-50.
24. **Hong H**, Rudolph K, and Stuart EA (2017). Bayesian approach for addressing differential covariate measurement error in propensity score methods. *Psychometrika*. **82**(4):1078-1096.
25. Li T, Lindsey K, Rouse B, **Hong H**, Shi Q, Friedman DS, Wormald R, and Dickersin K (2016). Comparative effectiveness of first-line medications for primary open angle glaucoma - A systematic review and network meta-analysis. *Ophthalmology*. **123**(1):129-140.
26. **Hong H**, Chu H, Zhang J, and Carlin BP (2016). A Bayesian missing data framework for generalized multiple outcome mixed treatment comparisons. (**with discussion and rejoinder**). *Research Synthesis Methods*. **7**(1):6-22.
27. Mayo-Wilson E, Hutfless S, Li T, Gresham G, Fusco N, Ehmsen J, Heyward J, Vedula S, Lock D, Haythornthwaite J, Payne JL, Cowley T, Rosman L, Twose C, Stuart EA, **Hong H**, Doshi P, Suarez-Cuervo C, Singh S, and Dickersin K (2015). Integrating multiple data sources (MUDS) for meta-analysis to improve patient-centered outcomes research: a protocol for a systematic review. *Systematic reviews*. **4**(1):1.
28. Zhang J, Chu H, **Hong H**, Neaton JD, Virnig BA, and Carlin BP (2015). Bayesian hierarchical models for network meta-analysis incorporating nonignorable missingness. *Statistical Methods in Medical Research*. **26**(5):2227-2243.
29. **Hong H**, Fu H, Price KL, Carlin BP (2015). Incorporation of individual patient data in network meta-analysis for multiple continuous endpoints, with application to diabetes treatment. *Statistics in Medicine*. **34**(20):2794-2819.
30. Shippee TP, **Hong H**, Kane RL, and Henning-Smith C (2015). Longitudinal changes in nursing home resident-reported quality of life: The role of facility characteristics. *Research on Aging*. **37**(6):555-580.
31. Ohlssen D, Price KL, Xia HA, **Hong H**, Kerman J, Fu H, Quartey G, Heilmann CR, Ma H, and Carlin BP (2014). Guidance on the implementation and reporting of a drug safety Bayesian network meta-analysis. *Pharmaceutical Statistics*. **13**(1):55-70.

32. **Hong H**, Carlin BP, Shamliyan T, Wyman JF, Ramakrishnan R, Sainfort F, and Kane RL (2013). Comparing Bayesian and frequentist approaches for multiple outcome mixed treatment comparisons. *Medical Decision Making*. **33**(5):702-714.
33. Wester WC, Koethe JR, Shepherd BE, Stinnette SE, Rebeiro PF, Kipp AM, **Hong H**, Busmann H, Gao-lathe T, McGowan CC, Sterling TR, and Marlink RG (2011). Non-AIDS-defining events among HIV-1-infected adults receiving combination antiretroviral therapy in resource-replete versus resource-limited urban setting. *AIDS*. **25**(12):1471-1479.

NON-REFEREED JOURNAL ARTICLES & BOOK CHAPTERS

34. **Hong H**, Price KL, Fu H, and Carlin BP (2016). Bayesian network meta-analysis for multiple endpoints. To appear in *Methods in Comparative Effectiveness Research*, eds. S. Morton and C. Gatsonis, Boca Raton, FL: CRC Press.
35. Carlin BP and **Hong H** (2014). Bayesian network meta-analysis for safety evaluation. *Quantitative Evaluation of Safety in Drug Development: Design, Analysis, and Reporting*, eds. Jiang, Q. and Xia, H.A., Boca Raton, FL: CRC Press.

MANUSCRIPT UNDER REVIEW

36. Halabi S, Zhou J*, He Y*, Bressler LR, Hernandez AF, Turner NA, and **Hong H** (2021+). Landscape of COVID-19 clinical trials: new frontiers and challenges. Submitted to *Emerging Infectious Diseases* (* co-second author)
37. Li F, **Hong H**, and Stuart EA (2021+). On causal generalization from experiments to target populations. Submitted to *Communications in Statistics - Theory and Methods* .
38. Wang L, **Hong H**, Alexander GC, Brawley O, Paller C, and Ballreich J (2021+). Cost-Effectiveness of Systemic Treatments for Metastatic Castration-Sensitive Prostate Cancer: An Economic Evaluation Based on Network Meta-Analysis. Submitted to *Value in Health*
39. Moorthy G, Young R, Smith MJ, White MJ, **Hong H**, Kelly MS. Racial inequities in sepsis mortality among children in the United States. Submitted to *Pediatrics*.
40. Carnicelli AP, **Hong H**, Giugliano RP, Connolly SJ, Eikelboom J, Patel MR, Wallentin L, Morrow DA, Wojdyla D, Hua K, Hohnloser SH, Oldgren J, Ruff CT, Piccini JP, Lopes RD, Alexander JH, Granger CB, on behalf of the COMBINE AF Investigators. Non-vitamin K antagonist oral anticoagulants versus warfarin in patients with atrial fibrillation: A patient-level meta-analysis of randomized clinical trials. Submitted to *Circulation*.
41. Qureshi R, Chen X, Gorg C, Mayo-Wilson E, Dickinson S, Golzarri-Arroyo L, **Hong H**, Phillips R, Cornelius V, DeMarco MM, Guallar E, and Li T. Comparing the value of data visualization methods for communicating harms in clinical trials. Submitted to *Epidemiologic Reviews*.

HONORS AND AWARDS

- | | |
|------|---|
| 2019 | Career Development Award, Korean International Statistical Society |
| 2017 | Travel Awards for Junior Researchers, Biostatistics in the Modern Computing Era |
| 2013 | Student Paper Award, ASA Section on Health Policy Statistics |
| 2012 | Student Paper Award, ASA Section on Health Policy Statistics |
| 2012 | Young Investigator Travel Award, International Society for Bayesian Analysis |

UNIVERSITY OF MINNESOTA

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| 2014 | Delta Omega, Honorary Society in Public Health |
| 2013 | Jacob E. Bearman Student Achievement Award, Division of Biostatistics |
| 2012 | Outstanding Research Assistant Award, Division of Biostatistics |
| 2011 | Outstanding Teaching Assistant Award, Division of Biostatistics |

CHUNG-ANG UNIVERSITY

2004-07 Scholarship for Excellent Records, Department of Mathematics and Statistics

PRESENTATIONS (†: session organizer; *: upcoming event)

ORAL: INVITED

- 2021 Meta-analysis of rare adverse events in randomized clinical trials: Bayesian and frequentist methods. Eastern North American Regional meeting of the International Biometric Society. March. Virtual Conference
- 2020 Bayesian analysis to integrate multiple data for comparative effectiveness research. Duke-Margolis Seminars in Health Policy and Management. October, Durham, NC. (Virtual seminar)
- 2020[†] Bayesian network meta-analysis for estimating population treatment effects. International Society for Bayesian Analysis. June, Kunming, China. (*This session was cancelled due to the COVID-19 outbreak*)
- 2020[†] Bayesian network meta-analysis for estimating population treatment effects. Eastern North American Regional meeting of the International Biometric Society. March, Virtual meeting. (*This session was cancelled due to the COVID-19 outbreak*)
- 2017 Power and Commensurate Priors for Synthesizing Aggregate and Individual Patient-Level Data in Network Meta-Analysis. Center for Data Science, Chung-Ang University. November, Seoul, South Korea.
- 2017 Power and Commensurate Priors for Synthesizing Aggregate and Individual Patient-Level Data in Network Meta-Analysis. Biostatistics in Psychiatry Seminar, Department of Psychiatry, Columbia University. April, New York, NY.
- 2017[†] Propensity Score-Based Estimators with Multiple Error-Prone Covariates. Eastern North American Regional meeting of the International Biometric Society. March, Washington, DC.
- 2017 Integrating Data for Comparative Effectiveness Research. Division of Biostatistics, Department of Public Health Sciences, University of California, Davis. March, Davis, CA.
- 2017 Integrating Data for Comparative Effectiveness Research. Department of Epidemiology and Biostatistics, Drexel University. February, Philadelphia, PA.
- 2017 Integrating Data for Comparative Effectiveness Research. Department of Biostatistics, Indiana University. February, Indianapolis, IN.
- 2017 Integrating Data for Comparative Effectiveness Research. Department of Biostatistics and Bioinformatics, Duke Clinical Research Institute, Duke University School of Medicine. February, Durham, NC.
- 2017 Meta-Analysis of Rare Adverse Events in Randomized Controlled Trials: Bayesian and Frequentist Methods. Informal Biostatistics Meetings, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University. February, Baltimore, MD.
- 2017 Integrating Data for Comparative Effectiveness Research. Department of Biostatistics and Computational Biology, University of Rochester Medical Center. January, Rochester, NY.
- 2017 Integrating Data for Comparative Effectiveness Research. Department of Statistics, Florida State University. January, Tallahassee, FL.
- 2017 Integrating Data for Comparative Effectiveness Research. Department of Biostatistics, Georgia Southern University. January, Statesboro, GA.
- 2014 Hierarchical Bayesian methods for multiple outcomes in network meta-analysis. Department of Mathematics and Statistics, University of Maryland, Baltimore County. October, Baltimore, MD.

- 2014 Hierarchical Bayesian methods for multiple outcomes in network meta-analysis. Survival, Longitudinal and Multivariate Data Working Group, Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health. October, Baltimore, MD.
- 2014 Hierarchical Bayesian methods for multiple outcomes in network meta-analysis. Department of Biostatistics, University of Pittsburgh. January, Pittsburgh, PA.
- 2012 A Bayesian missing data framework for multiple outcome mixed treatment comparisons. Research Center for Data Science: the 3rd International Conference, Chung-Ang University. July, Seoul, South Korea.

 ORAL: CONTRIBUTED

- 2020 Bayesian network meta-analysis for estimating population treatment effects. International Biometric Conference. July, Seoul, Korea. (*This session was cancelled due to the COVID-19 outbreak*)
- 2019 A Bayesian approach for handling covariate measurement error when estimating population treatment effect. Joint Statistical Meetings. August, Denver, CO.
- 2019 A Bayesian approach for handling covariate measurement error when estimating population treatment effect. Eastern North American Regional meeting of the International Biometric Society. March, Philadelphia, PA.
- 2018 Estimating population treatment effects in meta-analysis. Eastern North American Regional meeting of the International Biometric Society. March, Atlanta, GA.
- 2018 Estimating population treatment effects in meta-analysis. International Conference on Health Policy Statistics. January, Charleston, SC.
- 2017 Power and commensurate priors for synthesizing aggregate and individual patient-level data in network meta-analysis. Biostatistics in the Modern Computing Era, Medical College of Wisconsin. September, Milwaukee, WI.
- 2016 Incorporation of individual patient data in network meta-analysis for multiple continuous endpoints, with application to diabetes treatment. Joint Statistical Meetings. August, Chicago, IL.
- 2016 Propensity score-based estimators with multiple error-prone covariates. Atlantic Causal Inference Conference. May, New York, NY.
- 2015[†] Bayesian network meta-analysis for estimating drug class effects and temporal effects, with applications to primary open angle glaucoma. International Conference on Health Policy Statistics. October, Providence, RI.
- 2015 Bayesian approach for addressing differential covariate measurement error in propensity score methods. Joint Statistical Meetings. August, Seattle, WA.
- 2013 A Bayesian missing data framework for generalized multiple outcome mixed treatment comparisons. Joint Statistical Meetings. August, Montreal, Quebec, Canada.
- 2012 Hierarchical Bayesian methods for combining efficacy and safety in multiple treatment comparisons. Joint Statistical Meetings. July, San Diego, CA.

 TECHNICAL TALK

- 2019 Introduction to meta-analysis and network meta-analysis. BERD Methods Core Applied Seminar, Duke University. March, Durham, NC.
- 2013 A Bayesian missing data framework for combining multiple outcomes in network meta-analysis. Lilly Research Awards Program Collaboration Seminar. May, Indianapolis, IN.
- 2011 Bayesian approaches for multiple treatment comparisons. Minnesota Evidence-based Practice Center, Minneapolis VA Medical Center. November, Minneapolis, MN.
- 2009 When should antiretroviral treatments be started in Botswana? - Tshepo study. Technical workshop: HIV/AIDS interventions in Botswana, Harvard University. July, Boston, MA.

INVITED PANEL DISCUSSION

- 2019 Meet the Professionals. Korean-American Scientists and Engineers Association Global Leadership Summit. February, Raleigh, NC.

POSTER

- 2015 Incorporation of individual patient data in network meta-analysis for multiple continuous endpoints, with application to diabetes treatment. G70 conference. April, Durham, NC.
- 2012 Hierarchical Bayesian methods for combining efficacy and safety in multiple treatment comparisons. World Meeting of the International Society for Bayesian Analysis. June, Kyoto, Japan.
- 2012 Hierarchical Bayesian methods for combining efficacy and safety in multiple treatment comparisons. Eastern North American Regional meeting of the International Biometric Society. April, Washington, DC.

TEACHING

LECTURE

- 2020 BIOSTAT 719: Generalized Linear Models, Department of Biostatistics and Bioinformatics, Duke University (Enrollment: 25)
- 2019 BIOSTAT 719: Generalized Linear Models, Department of Biostatistics and Bioinformatics, Duke University (Enrollment: 24) *Co-taught with Dr. Andrzej S. Kosinski

SHORT COURSE

- 2016 Network meta-analysis for behavioral trials: an introduction and overview. Society of Behavioral Medicine Annual Meeting & Scientific Sessions. March, Washington, DC. (taught with Dr. Tianjing Li)
- 2015 Introduction to indirect comparison and network meta-analysis workshop at AHQR. Agency for Healthcare Research and Quality. June, Rockville, MD. (taught with Dr. Tianjing Li)

GUEST LECTURE

- 2019 Applied Analytic Methods for Population Health Sciences I (DPHS701), Department of Population Health Sciences, Duke University
Instructor: Emily OBrien, PhD and Brad Hammill, DrPH
- 2019 Current Problems in Biostatistics (BIOS900), Department of Biostatistics and Bioinformatics, Duke University
Instructor: Huiman Xie Barnhart, PhD
- 2016 Seminar on Statistical Methods for Mental Health (330.805), Department of Mental Health, Johns Hopkins Bloomberg School of Public Health
Instructor: Rashelle J. Musci, PhD
- 2014 Seminar on Statistical Methods for Mental Health (330.805), Department of Mental Health, Johns Hopkins Bloomberg School of Public Health
Instructor: Elizabeth A. Stuart, PhD

MENTORING

PHD ADVISEES

- 2020 - Kaiyuan Hua, Department of Biostatistics and Bioinformatics, Duke University (Co-adviser: Xiaofei Wang)

MS ADVISEES

- 2021 - Mengyi (Ashley) Hu, Department of Biostatistics and Bioinformatics, Duke University
- 2021 - Blessing Ibe, Department of Biostatistics and Bioinformatics, Duke University
- 2021 - Heewon Kim, Department of Biostatistics and Bioinformatics, Duke University
- 2021 - Rong (Jeffery) Zhao, Department of Biostatistics and Bioinformatics, Duke University
- 2019 - 2020 Ziting (Mia) Yang, Department of Biostatistics and Bioinformatics, Duke University
Current position: Statistical Programmer, Suzhou Zelgen Biopharmaceuticals Co., China

- 2019 - 2020 Chenyang Wang, Department of Biostatistics and Bioinformatics, Duke University
Current position: Junior Assistant Director, West China Hospital, China
- 2019 - 2021 Jinyi Zhou, Department of Biostatistics and Bioinformatics, Duke University
Current position: Senior Statistician-Computation, Eli Lilly and Company

OTHER ADVISEES

- 2021 - Lu Liu (PhD student), Department of Biostatistics and Bioinformatics, Duke University
- 2019 - 2020 Tongrong Wang, PhD, Department of Biostatistics and Bioinformatics, Duke University
Current position: Research Scientist-Statistics, Eli Lilly and Company
- 2019 - 2020 Guangyu Tong, PhD, Department of Sociology (Quantitative Methodology), Duke University
Current position: Research Scientist (Faculty), Yale Center of Analytical Sciences and Department of Biostatistics

PHD COMMITTEE

- Current Ayobami Akenroye, Department of Epidemiology, Johns Hopkins University
- Current Dongrak Choi, Department of Biostatistics and Bioinformatics, Duke University
- 2021 Lin Wang, PhD, Department of Epidemiology, Johns Hopkins University

MS COMMITTEE

- 2020 Xiyuan Zhang, MS, Department of Biostatistics and Bioinformatics, Duke University
- 2021 Jameson Blount, Department of Biostatistics and Bioinformatics, Duke University

PROFESSIONAL ACTIVITIES

SERVICE TO PROFESSIONAL SOCIETY

- 2021 - Publications, Executive Committee, Health Policy Statistics Section, American Statistical Association.
- 2021 Student Paper Competition Review Committee, Eastern North American Regional (ENAR) Meeting of the International Biometric Society.
- 2020, 2022 Program Committee, Eastern North American Regional (ENAR) Meeting of the International Biometric Society.

SESSION ORGANIZER

- 2020 International Society for Bayesian Analysis. June, Kunming, China. (*This conference was postponed to 2012 due to the COVID-19 outbreak*)
- 2020 Eastern North American Regional Meeting. March, Virtual meeting. (*This session was cancelled due to the COVID-19 outbreak*)
- 2017 Eastern North American Regional Meeting. March, Washington, DC.
- 2015 International Conference on Health Policy Statistics. October, Providence, RI.

SESSION CHAIR

- 2021 Eastern North American Regional Meeting. March, Virtual meeting.
- 2020 Eastern North American Regional Meeting. March, Virtual meeting.
- 2019 Eastern North American Regional Meeting. March, Philadelphia, PA.
- 2018 Eastern North American Regional Meeting. March, Atlanta, GA.
- 2017 Atlantic Causal Inference Conference. May, Chapel Hill, NC.

SOCIETY MEMBERSHIP

- 2012 - American Statistical Association (ASA)
- 2012 - Eastern North American Region International Biometric Society (ENAR)
- 2012 - International Society for Bayesian Analysis (ISBA)
- 2012 - Korean International Statistical Society (KISS)
- 2016 - Caucus for Women in Statistics
- 2020 - Society for Clinical Trials
- 2014 - 2018 JHSPH Causal Inference Working Group

CONSULTATIONS

2020 -	Department of Epidemiology and Biostatistics, Indiana University School of Public Health-Bloomington
2019	Bloomberg School of Public Health, Johns Hopkins University
2015 - 2016	School of Social Work, University of Maryland
2015 - 2016	Division of Interventional Cardiology, University of Utah Health Sciences Center
2014 - 2015	School of Medicine, Johns Hopkins University

OTHER ACTIVITIES

2020 -	Chair (NC Chapter), National Mathematics and Science Competition, Korean-American Scientists and Engineers Association
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REVIEWER

Reports	<i>Patient-Centered Outcomes Research Institute</i>
Journals	<i>American Journal of Epidemiology</i> <i>Annals of Epidemiology</i> <i>Archives of Medical Science</i> <i>Biometrics</i> <i>Biostatistics</i> <i>Biometrical Journal</i> <i>BMC Medical Research Methodology</i> <i>BMJ Open</i> <i>Canadian Journal of Statistics</i> <i>Cochrane Intervention Review</i> <i>Communications in Statistics</i> <i>Diagnostic and Prognostic Research</i> <i>Epidemiology</i> <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> <i>International Journal of Epidemiology</i> <i>International Journal of Methods in Psychiatric Research</i> <i>International Journal of Pediatric Research</i> <i>Journal of the American Medical Association-Cardiology</i> <i>Journal of the American Medical Association-Network</i> <i>Journal of Clinical Epidemiology</i> <i>Journal of Educational and Behavioral Statistics</i> <i>Journal of Statistical Computation and Simulation</i> <i>Lancet</i> <i>Medical Care</i> <i>Nature: Scientific Reports</i> <i>Observational Studies</i> <i>Ophthalmology</i> <i>Pharmaceutical Statistics</i> <i>PLOS ONE</i> <i>Psychometrika</i> <i>Research Synthesis Methods</i> <i>Statistics in Medicine</i> <i>Statistical Methods in Medical Research</i> <i>Systematic Reviews</i>