

CURRICULUM VITAE

TODD A. SCHWARTZ

(MARCH 26, 2024)

HOME:

113 Sprunt Street
Chapel Hill, NC 27517
PHONE: (919) 933-4016

EMAIL: Todd_Schwartz@unc.edu

OFFICE (BIOSTATISTICS):

3106E McGavran-Greenberg Hall, CB 7420
Department of Biostatistics
Gillings School of Global Public Health
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7420
PHONE: (919) 966-7280
FAX: (919) 966-7285

OFFICE (NURSING):

2010 Carrington Hall, CB 7460
School of Nursing
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7460
PHONE: (919) 966-6306

EDUCATION

Doctor of Public Health, Biostatistics, 2004

*School of Public Health
The University of North Carolina at Chapel Hill*

Doctoral Dissertation: “A Study of Sample Size Re-Calculation with Particular Focus on Active- and Placebo-Controlled Non-Inferiority Trials,”
under the direction of Jonathan S. Denne, PhD

Master of Science, Biostatistics, 1998

*School of Public Health
The University of North Carolina at Chapel Hill*

Master’s Paper: “Interim Analyses in Randomized Clinical Trials,”
under the direction of Gary G. Koch, PhD

Bachelor of Arts (*Summa Cum Laude*), Mathematics (Statistics minor), 1995

Messiah College, Grantham, Pennsylvania

PROFESSIONAL EXPERIENCE

- 2023 to Present **Associate Chair**
Department of Biostatistics
Gillings School of Global Public Health
The University of North Carolina at Chapel Hill
- 2022 to Present **Adjunct Professor**
Department of Exercise and Sport Science
College of Arts & Sciences
The University of North Carolina at Chapel Hill
- 2021 to Present **Director of Master's Degree Programs**
Department of Biostatistics
Gillings School of Global Public Health
The University of North Carolina at Chapel Hill
- 2021 to Present **Master's of Public Health (MPH) Concentration Lead
Public Health Data Science**
Gillings School of Global Public Health
The University of North Carolina at Chapel Hill
- 2021 to Present **Adjunct Professor**
Division of Pharmacotherapy and Experimental Therapeutics
Eshelman School of Pharmacy
The University of North Carolina at Chapel Hill
- 2020 to Present **Professor**
Department of Biostatistics
Gillings School of Global Public Health
The University of North Carolina at Chapel Hill
- 2020 to Present **Professor**
School of Nursing (Joint Appointment)
The University of North Carolina at Chapel Hill
- 2014 to 2021 **Adjunct Associate Professor**
Division of Pharmacotherapy and Experimental Therapeutics
Eshelman School of Pharmacy
The University of North Carolina at Chapel Hill
- 2019 to Present **Methodology Core Co-Director & Principal Investigator**
National Institute of Arthritis, Musculoskeletal and Skin Diseases'
Core Center for Clinical Research
Thurston Arthritis Research Center
School of Medicine
The University of North Carolina at Chapel Hill

- 2013 to Present **Methodology Core Co-Director & Principal Investigator**
National Institute of Arthritis, Musculoskeletal and Skin Diseases'
Multidisciplinary Clinical Research Center
Thurston Arthritis Research Center
School of Medicine
The University of North Carolina at Chapel Hill
- 2001 to Present **Senior Statistician**
Research Support Center
School of Nursing
The University of North Carolina at Chapel Hill
- 2014 to 2020 **Associate Professor**
Department of Biostatistics
Gillings School of Global Public Health
The University of North Carolina at Chapel Hill
- 2014 to 2020 **Associate Professor**
School of Nursing
The University of North Carolina at Chapel Hill
- 2005 to 2014 **Assistant Professor**
Department of Biostatistics
Gillings School of Global Public Health
The University of North Carolina at Chapel Hill
- 2005 to 2014 **Assistant Professor**
School of Nursing (Joint Appointment)
The University of North Carolina at Chapel Hill
- 2001 to 2005 **Instructor**
Department of Biostatistics
School of Public Health
The University of North Carolina at Chapel Hill
- 1996 to 2001 **Graduate Research Assistant**
Biometric Consulting Laboratory
Department of Biostatistics
School of Public Health
The University of North Carolina at Chapel Hill
- 1994 to 1996 **Statistical Analyst and Statistical Analyst Intern**
Center for Biostatistics and Epidemiology
Milton S. Hershey Medical Center, College of Medicine
Pennsylvania State University

UNIVERSITY AFFILIATIONS

- 2021 to Present **Human Movement Science Curriculum**
Affiliate Faculty
Department of Allied Health Sciences, School of Medicine
Department of Exercise and Sport Science, College of Arts & Sciences
The University of North Carolina at Chapel Hill
- 2004 to Present **Thurston Arthritis Research Center**
Faculty (2018 to Present)
Affiliate Faculty (prior)
School of Medicine
The University of North Carolina at Chapel Hill
- 2001 to Present **Office of Research Support and Consultation**
(Previously the Research Support Center)
Faculty, Senior Statistician
School of Nursing
The University of North Carolina at Chapel Hill
- 1996 to Present **Heart Failure Program**
Faculty, Biostatistician
Division of Cardiology, Department of Medicine
School of Medicine
The University of North Carolina at Chapel Hill
- 1996 to Present **Biometric Consulting Laboratory**
Faculty, Biostatistician
Department of Biostatistics
Gillings School of Global Public Health
The University of North Carolina at Chapel Hill

PROFESSIONAL AFFILIATIONS

American Statistical Association

- North Carolina Chapter
- Biometrics Section
- Statistical Consulting Section
- Section on Statistical and Data Science Education
- Section on Teaching of Statistics in Health Sciences

International Biometric Society (Eastern North American Region)

National League for Nursing

Southern Nursing Research Society, Associate Member, 2017

Association of Rheumatology Professionals (American College of Rheumatology), 2020

HONORS AND AWARDS

- 2023 Co-author on McCall *et al.* (2023). Finalist for Office of Health Equity Research Awards for Yale Research Excellence; out of top 3% (750+ papers) reviewed, 25 finalists/awardees were selected.
- 2023 Excellence in Student Mentoring, recognized by the UNC Gillings School of Global Public Health leadership
- 2023 Co-author on Kim *et al.* (2023). Editor's Pick for *Journal of Rheumatology*, highlighted on website and podcast.
- 2023 Co-author on Davis L, *et al.* First Place Winner, Advanced Practice Nurse (APRN) Poster Judging Committee, Annual Scientific meeting of the American College of Cardiology, for "clearly illustrat[ing] the cardiovascular APRN professional, and exemplif[ying] interprofessional collaboration."
- 2020 Recipient of the Bernard G. Greenberg Alumni Endowment Award, presented to an outstanding full-time faculty member of the UNC Gillings School of Global Public Health for excellence in the areas of teaching, research and service; *the major criterion for the award is continuous demonstrated excellence over a number of years in service to the broad public health community.*
- 2020 Nomination for full membership to Sigma Xi, the Scientific Research Honor Society
- 2019 Top 1% of Peer Reviewers in Clinical Medicine
Global Peer Review Awards
Publons/Web of Science/Clarivate Analytics
- 2018, 2019, 2020 Albert Nelson Marquis Lifetime Achievement Award (Marquis Who's Who), an honor reserved for biographees who have demonstrated leadership, excellence and longevity within their respective industries and professions; <5% of Marquis Who's Who listees are selected for this honor
- 2018, 2019, 2020, 2021 Marquis Who's Who in the World, a distinction reserved for less than 3% of professionals in the world for individuals who have demonstrated leadership, excellence and longevity within their respective industries and professions
- 2019 Co-author on Santos *et al.* (2018). Ranked among the top 10% most cited *PLOS ONE* papers published in 2018

- 2019 Co-author on McCall *et al.* (2019). Nominated for Best Student Paper, MEDINFO 2019.
- 2018 Co-author on Luc-Harkey *et al.* (2018), Finalist for the Doctoral Oral Award at the National Athletic Trainers Association Clinical Symposia.
- 2017 Scientific Teaching Fellow
Summer Institutes on Scientific Teaching
National Science Foundation & Howard Hughes Medical Institute
- 2017 Designation as Editor's Choice in *Computer Methods and Programs in Biomedicine*: Gao X, **Schwartz TA (corresponding author)**, Preisser JS, & Perin J., 'GEEORD: A SAS Macro for Analyzing Ordinal Response Variables with Repeated Measures through Proportional Odds, Partial Proportional Odds, or Non-Proportional Odds Models.'
- 2017 Certificate of Outstanding Contribution in Reviewing for *Osteoarthritis and Cartilage*, in cooperation with Osteoarthritis Research Society International.
- 2016 Co-author on Santos *et al.* (2016), Abstract of Distinction at the State of the Science Congress on Nursing Research, Council for the Advancement of Nursing Science.
- 2015 Recipient of the Faculty Award for Excellence in Doctoral Mentorship and Education, presented by the Doctoral Student Organization, School of Nursing, University of North Carolina at Chapel Hill
- 2015 Co-author on Qin *et al.* (2015), Winner of the J. Virgil Peavy Memorial Award, which recognizes the most effective and innovative application of statistics and epidemiologic methods in an investigation or study, at the Annual Epidemic Intelligence Service (EIS) Conference, hosted by the U.S. Centers for Disease Control and Prevention (CDC)
- 2015 Co-author on Toles *et al.* (2015), Presentation at the Presidential Poster Session (for posters having higher scores) of the 2015 Annual Scientific Meeting of the American Geriatrics Society
- 2014 Nominee for Faculty Award for Excellence in Doctoral Mentorship and Education, presented by the Doctoral Student Organization, School of Nursing, University of North Carolina at Chapel Hill

- 2013 Co-author on Davis *et al.* (2013), First Place Winner of the Poster Award in the Category of Data-Based Research at the Preventive Cardiovascular Nursing Association's Annual Symposium
- 2012 Collaborator with graduate student Jasmine Talameh, PhD, PharmD, recipient of UNC Graduate Education Advancement Board Impact Award for "Genetic and Pharmacogenetic Associations with Heart Failure Patient Survival," selected as having "exceptional quality and impact."
- 2012 Co-author of *Research in Nursing & Health's* Best Research Methods Article for 2012 for "A Strategy for Selecting Among Alternative Models for Continuous Longitudinal Data."
- 2011 Co-author of "Short-Term In-Home Intervention Reduces Depressive Symptoms in Early Head Start Latina Mothers of Infants and Toddlers" (2010), recipient of the 2011 Laurel Archer Copp Literary Award, recognizing an "outstanding paper from the UNC School of Nursing that furthers knowledge in nursing"
- 2010 Co-author on Huffman *et al.* (2010), Recipient of the Merck Outstanding Nursing Research Award at the Annual Meeting of the American Society of Reproductive Medicine
- 2009 Recipient of the inaugural Faculty Award for Excellence in Doctoral Mentorship and Education, presented by the Doctoral Student Organization, School of Nursing, University of North Carolina at Chapel Hill
- 2009 Nomination of co-authored manuscript "Lifetime Risk of Symptomatic Knee Osteoarthritis" (2008) in the Assessment & Epidemiology category for the 2009 Charles C. Shepard Science Award for the authors of the "most outstanding peer-reviewed research paper published by Centers for Disease Control and Prevention (CDC) and the Agency for Toxic Substances and Disease Registry (ATSDR) scientists during the preceding year" and "for demonstrating excellence in science"
- 2009 Co-author on Pados *et al.* (2009), Recipient (1st Place) of the Southern Nursing Research Society Doctoral Student Poster Award
- 2009 Co-author on Pados *et al.* (2009), Recipient of the Southern Nursing Research Society Parent/Child Research Interest Group Poster Award

2008 to 2009	Nomination by School of Nursing PhD students for a University-wide Teaching Award at the University of North Carolina at Chapel Hill
2004 to 2006	Named to The Chancellor's List (Who's Who Among Graduate Students)
1999 to 2001	Procter & Gamble Pre-Doctoral Fellow
1998 to Present	Member of Delta Omega Public Health Honor Society
1996 to 1999	National Heart, Lung, and Blood Institute (National Institutes of Health) Pre-Doctoral Trainee
1995	<i>Summa Cum Laude</i> , Messiah College
1994 to 1995	Named to Who's Who Among Students in American Universities and Colleges
1991 to 1995	Messiah College President's Scholar

PUBLICATIONS**STATISTICAL AND RESEARCH METHODS [*STUDENT/POST-DOCTORAL TRAINEE]**

1. Pei KY, **Schwartz TA**, Boermeester MA (2024). Practical Guide to Curricular Development Research. *JAMA Surgery*, in press. [PMID: 38170534]
2. Hashimoto DA, Varas J, **Schwartz TA** (2024). Practical Guide to Machine Learning and Artificial Intelligence in Surgical Education Research. *JAMA Surgery*, in press. [PMID: 38170510]
3. Shabahang MM, **Schwartz TA**, Feldman LS (2023). Practical Guide to Assessment Tool Development for Surgical Education Research. *JAMA Surgery*, in press. [PMID: 38170509]
4. Phitayakorn R, **Schwartz TA**, Doherty GM. Practical Guide to Experimental and Quasi-Experimental Research in Surgical Education. *JAMA Surgery*, in press. [PMID: 38170499]
5. Kim S*, Kosorok MR, Arbeeva L, **Schwartz TA**, Callahan LF, Golightly YM, Nelson AE, Allen KD (2023). Precision Medicine-Based Machine Learning Analyses to Explore Optimal Exercise Therapies for Individuals with Knee Osteoarthritis: Random Forest Informed Tree-based Learning. *Journal of Rheumatology*, **50**, 1341-1345. [PMID: 37527856] *Editor's Pick, highlighted on website and podcast.*
6. Jiroutek MR, Ali SZ, **Schwartz TA**, Kim MJ, Hayat MJ (2023). An Assessment of Fundamental Statistical Knowledge among Health Science Faculty Teaching Statistics at Accredited Institutions. *Health Professions Education*, **9**: Issue 1, Article 3. (7 pages)
7. Lazar EL, **Schwartz TA**, Zuckerbraun BS (2023). Practical Guide to Budgeting and Funding a Clinical Trial in Surgery. *JAMA Surgery*, **158**, 206-207. [PMID: 36287548]
8. Pawlik TM, **Schwartz TA**, Itani KMF (2023). Practical Guide to Ethical Considerations in Clinical Trials in Surgery. *JAMA Surgery*, **158**, 204-205. [PMID: 36287536]
9. Newman LA, **Schwartz TA**, Boermeester M (2022). Practical Guide to Recruitment of Participants for Surgical Clinical Trials. *JAMA Surgery*, **157**, 1156-1157. [PMID: 36287552]
10. Coffman CJ, Arbeeva L, **Schwartz TA**, Callahan LF, Golightly YM, Goode AP, Huffman KM, Allen KD (2022). Application of Heterogeneity of Treatment Effect Methods: Exploratory Analyses of a Trial of Exercise-Based Interventions for Knee OA. *Arthritis Care & Research*, **74**, 1359-1368. [PMID: 33463020]
11. Hayat MJ, **Schwartz TA**, Kim M, Ali SZ, Jiroutek MR (2021). A Comparative Cross-sectional Assessment of Statistical Knowledge of Faculty across Five Health Science Disciplines. *Journal of Clinical and Translational Science*, **5**(1), e153. [PMID: 34527292]
12. Pitt SC, **Schwartz TA**, Chu D (2021). AAPOR Reporting Guidelines for Survey Studies. *JAMA Surgery*, **156**, 785-786. [PMID: 33825811]
13. Ghaferi AA, **Schwartz TA**, Pawlik TM (2021). STROBE Reporting Guidelines for Observational Studies. *JAMA Surgery*, **156**, 577-578. [PMID: 33825815]
14. Kelz RR, **Schwartz TA**, Haut ER (2021). SQUIRE Reporting Guidelines for Quality Improvement Studies. *JAMA Surgery*, **156**, 579-581. [PMID: 33825820]

15. Brooke BS, **Schwartz TA**, Pawlik TM (2021). MOOSE Reporting Guidelines for Meta-analyses of Observational Studies. *JAMA Surgery*, **156**, 787-788. [PMID: 33825847]
16. Hayat MJ, Kim M, **Schwartz TA**, Jiroutek MR (2021). A Study of Statistics Knowledge Among Nurse Faculty in Schools with Research Doctorate Programs. *Nursing Outlook*, **69**, 228-233. [PMID: 33509626]
17. Jiang X*, Nelson AE, Cleveland RJ, Beavers DP, **Schwartz TA**, Arbeeve L, Alvarez C, Callahan LF, Messier S, Loeser R, Kosorok MR (2020). Precision Medicine Approach to Develop and Internally Validate Optimal Exercise and Weight-Loss Treatments for Overweight and Obese Adults with Knee Osteoarthritis: Data from a Single-Center Randomized Trial. *Arthritis Care & Research*, **73**, 693-701. [PMID: 32144896]
Substantial statistical supplemental materials; technical report posted to arXiv (<http://arxiv.org/abs/2001.09930>).
18. Arya S, **Schwartz TA**, Ghaferi AA (2020). Guide to Statistics and Methods: Practical Guide to Meta-analysis. *JAMA Surgery*, **155**, 430-431. [PMID: 31995161]
19. Scott JW, **Schwartz TA**, Dimick JB (2020). Guide to Statistics and Methods: Practical Guide to Health Policy Evaluation Using Observational Data. *JAMA Surgery*, **155**, 353-354. [PMID: 31995142]
20. Merkow RP, **Schwartz TA**, Nathens AB (2020). Guide to Statistics and Methods: Practical Guide to Comparative Effectiveness Research using Observational Data. *JAMA Surgery*, **155**, 349-350. [PMID: 31995146]
21. Hayat MJ, Kim MJ, **Schwartz TA**, Jiroutek MR (2020). Assessment of Dental Faculty Members' Understanding of Statistical Concepts. *Health Professions Education*, **6**, 92-98.
22. Arbeeve L, Nelson AE, Alvarez C, Cleveland RJ, Allen KD, Golightly YM, Jordan JM, Callahan LF, **Schwartz TA** (2020). Application of Traditional and Emerging Methods for the Joint Analysis of Repeated Measurements with Time-to-Event Outcomes in Rheumatology. *Arthritis Care & Research*, **72**, 615-621. [PMID:30908869]
23.
 - a. Hayat MJ, Staggs VS, **Schwartz TA**, Higgins M, Azuero A, Budhathoki C, Chandrasekhar R, Cook P, Cramer E, Dietrich MS, Garnier-Villarreal M, Hanlon A, He J, Hu J, Kim M, Mueller M, Nolan JR, Perkhounkova Y, Rothers J, Schluck G, Su X, Templin TN, Weaver MT, Yang Q, Ye S (2019). Moving Nursing beyond p<.05 [Letter to the Editor]. *Research and Theory for Nursing Practice: An International Journal*, **33**, 217-221.
 - b. Hayat MJ, Staggs VS, **Schwartz TA**, Higgins M, Azuero A, Budhathoki C, Chandrasekhar R, Cook P, Cramer E, Dietrich MS, Garnier-Villarreal M, Hanlon A, He J, Hu J, Kim M, Mueller M, Nolan JR, Perkhounkova Y, Rothers J, Schluck G, Su X, Templin TN, Weaver MT, Yang Q, Ye S (2019). Moving Nursing beyond p<.05 [Letter to the Editor]. *Nursing Outlook*, **67**, 509-510. [PMID: 31375344]
 - c. Hayat MJ, Staggs VS, **Schwartz TA**, Higgins M, Azuero A, Budhathoki C, Chandrasekhar R, Cook P, Cramer E, Dietrich MS, Garnier-Villarreal M, Hanlon A, He J, Hu J, Kim M, Mueller M, Nolan JR, Perkhounkova Y, Rothers J, Schluck G, Su X, Templin TN, Weaver MT, Yang Q, Ye S (2019). Moving Nursing beyond p<.05 [Letter to the Editor]. *Research in Nursing & Health*, **42**, 244-245. [PMID: 31250931]
 - d. Hayat MJ, Staggs VS, **Schwartz TA**, Higgins M, Azuero A, Budhathoki C, Chandrasekhar R, Cook P, Cramer E, Dietrich MS, Garnier-Villarreal M, Hanlon A,

- He J, Hu J, Kim M, Mueller M, Nolan JR, Perkhounkova Y, Rothers J, Schluck G, Su X, Templin TN, Weaver MT, Yang Q, Ye S (2019). Moving nursing beyond $p < .05$ [Guest Editorial]. *International Journal of Nursing Studies*, **95**, A1-A2. [PMID: 31160036] *International Journal of Nursing Studies is probably the most influential academic nursing journal in the world (ranked 1st for the past 3 years in Thomson-Reuters impact factor list of 118 Nursing journals)*
24. Jiroutek MR, Kim MJ, Hayat MJ, Taylor MN, **Schwartz TA** (2019). A Cross Sectional Assessment of Statistical Knowledge among Pharmacy Faculty. *Currents in Pharmacy Teaching and Learning*, **11**, 793–801. [PMID: 31227194]
 25. **Schwartz TA**, Ajazi E*, Monaco J (2018). Findings from a Survey of Statistics and Biostatistics Instructors in the Health Sciences Who Teach Using an Online or Flipped Format. *Journal of Statistics Education (An International Journal on the Teaching and Learning of Statistics)*, **26**, 143-148.
 26. Gao X*, **Schwartz TA**, Preisser JS, Perin J (2017). GEEORD: A SAS Macro for Analyzing Ordinal Response Variables with Repeated Measures through Proportional Odds, Partial Proportional Odds, or Non-Proportional Odds Models. *Computer Methods and Programs in Biomedicine*, **150**, 23-30. [PMID: 28859827] *Selected for Editor's Choice; 1st author was my advisee for her Master's paper in Biostatistics.*
 27. **Schwartz TA**, Andridge RR, Sainani KL, Stangl DK, Neely ML (2016). Diverse Perspectives on a Flipped Biostatistics Classroom. *Journal of Statistics Education (An International Journal on the Teaching and Learning of Statistics)*, **24**, 74-84.
 28. Hayat MJ, Higgins M, **Schwartz TA**, Staggs VS (2015). Statistical Challenges in Nursing Education and Research: An Expert Panel Consensus. *Nurse Educator*, **40**, 21-25. [PMID:25154008]
 29. **Schwartz TA** (2014). Flipping the Statistics Classroom in Nursing Education. *Journal of Nursing Education*, **53**, 199-206. [PMID:24654591]
 30. Koch GG, **Schwartz TA** (2014). An Overview of Statistical Planning to Address Subgroups in Confirmatory Clinical Trials. *Journal of Biopharmaceutical Statistics*, **24**, 72-93. [PMID: 24392979]
 31. **Schwartz TA** (2013). Teaching Principles of One-Way Analysis of Variance Using M&M's Candy. *Journal of Statistics Education (An International Journal on the Teaching and Learning of Statistics)*, **21**, 1-14.
 32. Li S*, Hussey MA, **Schwartz TA**, Koch GG (2013). A Multistage Analysis Strategy for a Clinical Trial to Assess Successively More Stringent Criteria for a Primary Endpoint with a Low Event Rate. *Pharmaceutical Statistics*, **12**, 65-73. [PMID: 23424092]
 33. Knafelz GJ, Beeber L, **Schwartz TA** (2012). A Strategy for Selecting Among Alternative Models for Continuous Longitudinal Data. *Research in Nursing & Health*, **35**, 647–658. [PMID: 22911221] *Recipient of Research in Nursing & Health's Best Research Methods Article for 2012.*
 34. Preisser JS, Phillips C, Perin J, **Schwartz TA** (2011). Regression Models for Patient-Reported Measures Having Ordered Categories Recorded on Multiple Occasions. *Community Dentistry and Oral Epidemiology*, **39**, 154-163. [PMID: 21070317] [PMCID: PMC3049823]
 35. Wang X, Pang H, **Schwartz TA** (2009). Building and Validating High Throughput Lung Cancer Biomarkers. *Chance*, **22**, 55-62.

36. **Schwartz TA**, Denne JS (2006). A Two-Stage Sample Size Recalculation Procedure for Placebo- and Active-Controlled Non-Inferiority Trials. *Statistics in Medicine*, **25**, 3396-3406. [PMID: 16900573]
37. **Schwartz TA**, Denne JS (2003). Common Threads between Sample Size Recalculation and Group Sequential Procedures. *Pharmaceutical Statistics*, **2**, 263-271.
38. LaVange LM, Koch GG, **Schwartz TA** (2001). Applying Sample Survey Methods to Clinical Trials Data. *Statistics in Medicine*, **20**, 2609-2623. [PMID: 11523072]

COLLABORATIVE WORK**BOOK CHAPTERS**

39. Perreira K, Beeber L, **Schwartz T**, Holditch-Davis D, Ornelas I, Maxwell L (2009). “Preparing the Way: Early Head Start and the Socio-emotional Health of Infants and Toddlers in Latino Immigrant Families” in *Immigration, Diversity, and Education*, Grigorenko E and Takanishi R, editors, Routledge/Taylor and Francis Group, New York, 67-94.
40. Miles MS, Holditch-Davis D, Pedersen C, Eron JJ, **Schwartz T** (2007). “Emotional Distress in African American Women with HIV” in *HIV: Issues with Mental Health and Illness*, Blank MB and Eisenberg MM, editors, The Haworth Press, Inc. (Binghamton, NY), 35-50.

REFEREED PAPERS/ARTICLES

41. Armitano-Lago C*, Evans-Pickett A, Davis-Wilson H, Munsch A, Longobardi L, Willcockson H, **Schwartz TA**, Franz JR, Pietrosimone B. (2024). Modifying Loading during Gait Leads to Biochemical Changes in Serum Cartilage Oligomeric Matrix Protein Concentrations in a Subgroup of Individuals with Anterior Cruciate Ligament Reconstruction. *Clinical Rheumatology*, 1-11.
42. Davis-Wilson HC, Thoma LM, Franz JR, Blackburn JT, Longobardi L, **Schwartz TA**, Hackney AC, Pietrosimone B (2024). Physical Activity Associates with T1rho MRI of Femoral Cartilage Following Anterior Cruciate Ligament Reconstruction. *Medicine & Science in Sports & Exercise*, **56**, 411-417. [PMID: 37796166]
43. Hoover RL*, Xu J, Conklin JL, Nichols HB, Smitherman A, Valle CG, **Schwartz T**, Mayer DK, Hirschev R. Physical Activity Intervention Characteristics and Effects on Behavioral and Health-Related Outcomes Among Adolescents and Young Adults Living with and Beyond Cancer: A Systematic Review. *Journal of Adolescent and Young Adult Oncology*, in press. [PMID: 37682344]
44. Killela M*, Biddell C, Keim-Malpass J, **Schwartz TA**, Soto S, Williams J, Santacroce S (2023). Use of Medical Crowdfunding to Mitigate Personal Costs of Serious Chronic Illness: Scoping Review. *Journal of Medical Internet Research*, 25:e44530. [PMID: 38048149]
45. Dasgupta N, Ajazi EM*, **Schwartz TA**, Marshall SW (2023). Misclassification of Overdose Events in the X:BOT Study [Letter to the Editor]. *Lancet*, **402**, 526-527. [PMID: 37480936]
46. Lisee C*, Bjornsen E, Berkoff D, Blake K, **Schwartz T**, Horton WZ, Pietrosimone B (2023). Changes in Biomechanics, Strength, Physical Function, and Daily Steps after Extended-Release Corticosteroid Injections in Knee Osteoarthritis: A Responder Analysis. *Clinical Rheumatology*, **42**, 1863-1874. [PMID: 36929315]
47. Lisee C*, Evans-Pickett A, Davis-Wilson H, Munsch AE, Longobardi L, **Schwartz TA**, Lalush D, Franz JR, Pietrosimone (2023). Delayed Cartilage Oligomeric Matrix Protein Response to Loading Is Associated with Femoral Cartilage Composition Post-ACLR. *European Journal of Applied Physiology*. [PMID: 37326876]
48. McCall T*, Foster M, Tomlin H, **Schwartz TA** (2023). Black American Women’s Attitudes toward Seeking Mental Health Services and Use of Mobile Technology to Support the Management of Anxiety. *Journal of the American Medical Informatics Association (JAMIA) Open*, 6(4), 10 pages. [PMID: 37860603]
49. Goode AP, Cleveland RJ, Kraus VB, Taylor KA, George SZ, **Schwartz TA**, Renner J, Huebner JL, Jordan JM, Golightly YM (2023). Biomarkers and Longitudinal Changes in Lumbar Spine Degeneration and Low Back Pain: The Johnston County Osteoarthritis Project. *Osteoarthritis and Cartilage*, **31**, 809-818. [PMID: 36804589]
50. McCall T*, Foster M, **Schwartz TA** (2023). Attitudes Toward Seeking Mental Health Services and Mobile Technology to Support the Management of Depression Among Black American Women: Cross-Sectional Survey Study. *Journal of Medical Internet Research*, **25**, e45766 (20 pages). [PMID: 37467027]
51. Adynski H*, **Schwartz TA**, Santos HP (2023). Does Participation in Food Benefit Programs Reduce the Risk for Depressive Symptoms? *Journal of the American Psychiatric Nurses Association*, **29**, 25-37. [PMID: 33393431]

52. Bjornsen E*, Lisee C, **Schwartz T**, Creighton R, Kamath G, Spang J, Blackburn T, Pietrosimone B (2023). Improvement Trajectories for Patient Reported Outcomes Differ Between Males and Females Following Anterior Cruciate Ligament Reconstruction. *Journal of Athletic Training*, **58**, 430-436. [PMID: 35788341]
53. Tan K*, Fredrickson B, Santos H, Wood W, **Schwartz T**, Mayer D (2023). Psychological Processing among Caregivers of Allogeneic Bone Marrow Transplant Recipients: Qualitative Findings from a Longitudinal Study. *Journal of Psychosocial Oncology*, **41**, 321-336. [PMID: 35959854]
54. Tan KR*, Chan Y, Iadonisi K, Poor E, Betancur S, Jung A, Sagester K, Coppola S, Pergolotti M, Kent EE, **Schwartz T**, Richardson D, Bryant AL (2023). Perspectives of Caregivers of Older Adults with Acute Myeloid Leukemia during Initial Hypomethylating Agents and Venetoclax Chemotherapy. *Supportive Care in Cancer*, **31**, 95 (9 pages). [PMID: 36598590]
55. Shieu BM*, Toles M, Hoben M, **Schwartz TA**, Beeber AS, Anderson RA (2022). A Cross-Sectional, Correlational Study Comparing Individual Characteristics of Younger and Older Nursing Home Residents using Western Canadian Resident Assessment Instrument-Minimum Data St (RAI-MDS) 2.0. *Journal of the American Medical Directors Association*, **23**, 1878–1882. [PMID: 36065097]
56. Tan K*, Fredrickson B, Santos H Jr, Wood W, **Schwartz TA**, Mayer DK (2022). A Visual Case-Oriented Analysis of Stress-Related Symptoms in Caregivers of Allogeneic Bone Marrow Transplantation Recipients. *Oncology Nursing Forum*, **49**, 541-551. [PMID: 36413733]
57. Nelson AE, **Schwartz TA**, Alvarez C, Golightly YM (2022). Differences in Definition and Prevalence of Hand Osteoarthritis: Comment on the Article by Eaton *et al.* [Letter to the Editor] *Arthritis & Rheumatology*, **74**, 1861-1862. [PMID: 35762818]
58. Lusa A*, Alvarez C, Saxena Beem S, **Schwartz TA**, Ishizawar R (2022). Immune-Related Adverse Events in Patients with Pre-Existing Autoimmune Rheumatologic Disease on Immune Checkpoint Inhibitor Therapy. *BMC Rheumatology*, **6**:64, 12 pages. [PMID: 36345032]. Featured in *Rheumatology Advisor* online, April 2023.
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PRESENTATIONS, POSTERS, AND ABSTRACTS

PRESENTATIONS GIVEN BY ME

1. **Schwartz TA** et al. Best Practices for Mentoring Students – Tips & Strategies from Excellent Faculty Mentors. UNC Gillings School of Global Public Health, Chapel Hill, NC, November 2023. Invited. *Identified as an "excellent mentor of students".*
2. **Schwartz TA.** Introduction to Time-to-event Data and Basic Statistical Methods for Analyzing Them. Presented in Statistics Bootcamp 2: Statistical Time-to-Event Data Analysis for Clinical Researchers. Presented at the 2023 American College of Rheumatology / Association of Rheumatology Health Professionals Annual Scientific Meeting (ACR Convergence), San Diego, CA, November 2023. Invited.
3. **Schwartz TA.** Considerations for Power and Sample Size. Presented as part of the Biostatistics Seminar Series for Clinical and Translational Scientists, through the North Carolina Translational and Clinical Sciences (NC TraCS) Institute, University of North Carolina at Chapel Hill, *as well as Duke University and Wake Forest CTSA's and partners NC State University and RTI International*, September 2023. Invited.
4. **Schwartz TA.** Approaches to Modeling Ordinal Categorical Response Variables through Cumulative Logits. Presented virtually as part of the Biostatistics and Data Science Seminar Series, Department of Data Science, John D. Bower School of Population Health, University of Mississippi Medical Center. January 2023. Invited.
5. **Schwartz TA.** Statistical Models for Categorical Data, with Examples. Presented in Statistics Bootcamp 2: Statistical Modeling of Categorical Data at the 2022 American College of Rheumatology / Association of Rheumatology Health Professionals Annual Scientific Meeting (ACR Convergence), Philadelphia, PA, November 2022. Invited.
6. **Schwartz TA.** Statistical Power and Sample Size Determination. Presented as part of the Speaker Series through the University of North Carolina Core Center for Clinical Research, Thurston Arthritis Research Center, University of North Carolina at Chapel Hill, February 2022. Invited.
7. **Schwartz TA.** Rationale and Research Questions for Latent Structures and Latent Variable Models. Presented in Statistics Bootcamp 3: An Introduction to Latent Structures and Latent Variable Models at the 2021 American College of Rheumatology / Association of Rheumatology Health Professionals Annual Scientific Meeting, held virtually as ACR Convergence, November 2021. Invited.
8. **Schwartz TA.** Considerations for Power and Sample Size. Presented as part of the Biostatistics Seminar Series for Clinical and Translational Scientists, through the North Carolina Translational and Clinical Sciences (NC TraCS) Institute, University of North Carolina at Chapel Hill, *as well as Duke University and Wake Forest CTSA's and partners NC State University and RTI International*, September 2021. Invited.
9. **Schwartz T,** Higgins M, Kim MJ, Pan W, Perkhounkova Y, Hayat M. Distinctive Statistical Considerations in Nursing Education and Research. Presented at the Joint Statistical Meetings, Seattle, WA, August 2021. Contributed. Session Chair.
10. Hayat MJ, Higgins M, Kim MJ, Pan W, Perkhounkova Y, **Schwartz T.** Preparing Nurses for the Next Pandemic: The Role of Statistics Educators Moving Forward. Presented at the United States Conference on Teaching Statistics, held virtually, June 2021. Invited.
11. **Schwartz TA.** Applied Logistic Regression for Nursing Research. Workshop presented at the Eastern Nursing Research Annual Scientific Sessions, held virtually, March 2021. Invited.
12. **Schwartz TA.** Regression Analyses for Independent Data. Presented in Statistics Bootcamp 2: Statistical Modeling for Independent Data at the 2020 American College of Rheumatology / Association of Rheumatology Health Professionals Annual Scientific Meeting, held virtually as ACR Convergence, November 2020. Invited.
13. **Schwartz TA,** presented on behalf of Louise Murphy (Centers for Disease Control & Prevention). Independent Data Regression Modeling in Rheumatology Research. Presented in Statistics Bootcamp 2: Statistical Modeling for Independent Data at the 2020 American College of Rheumatology / Association of Rheumatology Health Professionals Annual Scientific Meeting, held virtually as ACR Convergence, November 2020. Invited.

14. **Schwartz TA.** Common Statistical Methods and Models (Primer on Data Analysis for Clinical Nurses). Presented for the University of North Carolina Medical Center Nursing Research Council, August 2020. Invited.
15. **Schwartz T,** Gould R, Notz W, Oster R, Kaplan J, Borovcnik M, Hayat M. Topic-contributed panel session on Statistics Education Research: Opportunities for Dissemination. Presented at the Joint Statistical Meetings, held virtually, August 2020. Contributed. Session Chair and Co-Organizer.
16. **Schwartz TA.** Regression 101. Tutorial presented as part of the Medical Student Training in Aging Research (MSTAR) Didactic Series, Center for Aging and Health, and as part of Arthritis 101 for the Core Center for Clinical Research, Thurston Arthritis Research Center; School of Medicine, University of North Carolina at Chapel Hill, June 2020. Invited.
17. **Schwartz TA.** Introduction/Overview of Statistical Power: What It Means, and Why It Is Important. Presented in Statistics Bootcamp 1: Sample Size and Power Calculations at the 2019 American College of Rheumatology / Association of Rheumatology Health Professionals Annual Scientific Meeting, Atlanta, GA, November 2019. Invited. *Selected for preview in the ACR Daily News.*
18. **Schwartz TA.** Statistical Modeling of Categorical Data. Presented in Statistics Bootcamp 2: Statistical Modeling of Categorical Data at the 2019 American College of Rheumatology / Association of Rheumatology Health Professionals Annual Scientific Meeting, Atlanta, GA, November 2019. Invited.
19. **Schwartz TA.** Findings from a Survey of Statistics and Biostatistics Instructors in the Health Sciences Who Teach Using an Online or Flipped Format. Presented at the 2nd Annual Gillings Faculty Research Showcase as part of University Research Week, UNC Gillings School of Global Public Health, Chapel Hill, NC, November 2019. Invited.
20. **Schwartz TA,** Crandell J. Recent Guidelines for the Use of P-Values. Presented as part of the Research Support and Consultation & T32 Seminar Series, School of Nursing, University of North Carolina at Chapel Hill, September 2019. Invited.
21. **Schwartz TA.** Considerations for Power and Sample Size. Presented as part of the Biostatistics Seminar Series for Clinical and Translational Scientists, through the North Carolina Translational and Clinical Sciences (NC TraCS) Institute, University of North Carolina at Chapel Hill, August 2019. Invited.
22. **Schwartz TA.** Introduction to Power Analysis and Sample Size Determination for Nursing Research. Presented as part of the Grantsmanship Workshop for Junior Faculty and Postdocs, College of Nursing, University of Iowa, June 2019. Invited.
23. Allen KD, **Schwartz TA.** Overview of the Design and Analysis of Randomized Trials for Clinical Researchers. Presented as an Association of Rheumatology Professionals (American College of Rheumatology) Research Webinar, May 2019. Invited.
24. Jiroutek M, Hayat MJ, Kim M, **Schwartz T.** Using Real Data in the Classroom: Public Use Data Files from the National Center for Health Statistics (Using Nationally Representative Data from Complex Surveys in the Classroom). Presented at the United States Conference on Teaching Statistics, State College, PA, May 2019. Invited.
25. **Schwartz TA.** Intermediate Statistical Modeling for Nursing Research. Pre-conference workshop presented at the 43rd Annual Research Conference of the Midwest Nursing Research Society, Kansas City, MO, March 2019. Invited.
26. **Schwartz TA,** Douglas C, Rashid N, Stinnett S, Thomas S. UNC Department of Biostatistics, Biostatistics Student Association. Doctoral Alumni Panel. Chapel Hill, NC, March 2019. Moderator and Co-organizer.
27. **Schwartz TA,** Alexander M, Alvarez C, Herman-Giddens M, Kopetskie H. UNC Department of Biostatistics, Biostatistics Student Association. Masters' Alumni Panel. Chapel Hill, NC, November 2018. Moderator and Co-organizer.
28. **Schwartz TA,** Allen KD. Issues in Analysis of Data from Randomized Trials, as part of Randomized Trials for Clinical Researchers 101: Design & Analysis Overview. Presented at the American College of Rheumatology / Association of Rheumatology Health Professionals Annual Scientific Meeting, Chicago, IL, October 2018. Invited.
29. Monaco J, **Schwartz T,** and Ajazi E. Online, Hybrid and Flipped Classrooms: Results from a Survey of Statistics and Biostatistics Instructors. Presented at the Electronic Conference On Teaching Statistics, virtual/electronic conference, May 2018. Invited.

30. **Schwartz T**, Monaco J. A Study on the Current State of the Use of Online/Flipped Classroom Pedagogy in Statistics/Biostatistics, Webinar, Consortium for the Advancement of Undergraduate Statistics Education (CAUSE), April 2018. Invited.
31. McCabe S, **Schwartz TA**, Howard AG, Wang X, Zink R. UNC Department of Biostatistics, Biostatistics Student Association. Doctoral Alumni Panel. Chapel Hill, NC, March 2018. Panelist and Co-organizer.
32. Hayat MJ, Kim MJ, Jiroutek MR, **Schwartz TA**. Statistics Knowledge Among Health Sciences Faculty, Webinar, Consortium for the Advancement of Undergraduate Statistics Education (CAUSE), March 2018. Invited. Invited.
33. **Schwartz TA**, Gao J, McShea C, Pate V, Stratford J. UNC Department of Biostatistics, Biostatistics Student Association. Masters' Alumni Panel. Chapel Hill, NC, November 2017. Moderator and Co-organizer.
34. **Schwartz TA**. Considerations for Power and Sample Size. Presented as part of the Biostatistics Seminar Series for Clinical and Translational Scientists, through the North Carolina Translational and Clinical Sciences (NC TraCS) Institute, University of North Carolina at Chapel Hill, September 2017. Invited.
35. Hayat MJ, Jiroutek M, Kim M, **Schwartz T**. Assessment of Health Sciences Faculty Statistics Knowledge Across the Nursing, Medicine, Pharmacy, and Public Health Disciplines. Presented at the Joint Statistical Meetings, Baltimore, MD, July/August 2017. Contributed.
36. **Schwartz T**, Monaco J. Current Use of Online and Flipped Pedagogy in Statistics and Biostatistics Courses. Presented at the Joint Statistical Meetings, Baltimore, MD, July/August 2017. Contributed.
37. **Schwartz TA**. Statistics Refresher and Regression 101. Tutorial presented as part of the Multidisciplinary Clinical Research Center, Thurston Arthritis Research Center, School of Medicine, University of North Carolina at Chapel Hill, June 2017. Invited.
38. Hayat MJ, Jiroutek M, Kim M, **Schwartz T**. What Do Faculty in the Health Sciences Know About Statistics? Presented at the United States Conference on Teaching Statistics, State College, PA, May 2017. Invited.
39. **Schwartz TA**, Allen K. Comparative Effectiveness Trials in Rheumatology: Rationale, Design, and Analysis. Presented at the Multidisciplinary Clinical Research Center Speaker Series, Thurston Arthritis Research Center, University of North Carolina at Chapel Hill, March 2017. Invited.
40. **Schwartz TA**, Berzofsky M, Hoffman E, Kissling G, Rashid N. UNC Department of Biostatistics, Biostatistics Student Association. Doctoral Alumni Panel. Chapel Hill, NC, March 2017. Moderator and Co-organizer.
41. **Schwartz TA**, Beaudot C, Brown Stafford P, Durham T. UNC Department of Biostatistics, Biostatistics Student Association. Masters' Alumni Panel. Chapel Hill, NC, February 2017. Moderator and Co-organizer.
42. **Schwartz TA**. Intermediate Statistical Modeling for Nursing Research. Pre-conference workshop presented at the 31st Annual Conference of the Southern Nursing Research Society, Dallas/Addison, TX, February 2017. Invited.
43. **Schwartz TA**. Value-Added Contributions of a Biostatistician to Your Nursing Research: Insights on Developing a Strong Working Relationship with a Biostatistician. Presented at the 31st Annual Conference of the Southern Nursing Research Society, Dallas/Addison, TX, February 2017. Invited.
44. Allen K, **Schwartz TA**. Key Strategies for Comparative Effectiveness Trials in Rheumatology: Rationale, Design, and Analysis. Presented at the American College of Rheumatology / Association of Rheumatology Health Professionals Annual Scientific Meeting, Washington, DC, November 2016. Invited.
45. **Schwartz TA**, Alvarez C. Statistical Time-to-Event Data Analysis for Clinical Researchers. Presented at the American College of Rheumatology / Association of Rheumatology Health Professionals Annual Scientific Meeting, Washington, DC, November 2016. Invited.
46. Monaco J, **Schwartz T**. Practical Considerations for Teaching Statistics in a Hybrid, Flipped, or Online Format. Round Table presentation at the Joint Statistical Meetings, Chicago, IL, August 2016. Roundtable discussion co-leader. Invited.
47. Hayat M, Jiroutek M, Kim M, **Schwartz T**. Distinguishing between Statistics Education for Undergraduate and Graduate Non-Statistics Major Students. Panel presentation at the Joint Statistical Meetings, Chicago, IL, August 2016. Panelist. Contributed.

48. **Schwartz TA.** Statistics Refresher and Regression 101. Tutorial presented as part of the Multidisciplinary Clinical Research Center, Thurston Arthritis Research Center, School of Medicine, University of North Carolina at Chapel Hill, June 2016. Invited.
49. Berry D, Hodges E, Propper C, Gilleskie D, **Schwartz T.** Leadership through Interdisciplinary Collaboration. Panel presentation at the Hillman Scholars Program in Nursing Innovation Annual Meeting, hosted by the UNC-CH Hillman Scholars Program in Nursing Innovation, Chapel Hill, NC, May 2016. Invited.
50. **Schwartz TA,** Monaco J. Teaching in a Flipped, Hybrid, or Online Statistics Classroom: Practical Considerations. Presented at the Electronic Conference On Teaching Statistics, virtual/electronic conference, May 2016. Invited.
51. **Schwartz TA,** Atkinson S, Jiroutek M, Schreinemachers D, Simpson S. UNC Department of Biostatistics, Biostatistics Student Association. Doctoral Alumni Panel. Chapel Hill, NC, March 2016. Moderator and Co-organizer.
52. Monaco J, **Schwartz T.** Practical Considerations for Teaching Biostatistics in a Hybrid, Blended, or Online Form. Round Table presentation at the 2016 Annual Meeting of the Eastern North America Region of the International Biometric Society, Austin, TX, March 2016. Invited.
53. Monaco J, **Schwartz T.** Flipping the Classroom. Presented as a Lightning Talk at the Faculty Showcase for Celebrate Teaching Month, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, February 2016. Invited.
54. **Schwartz TA,** Barrier R, Gilbert A, Herman-Giddens M, Pinkett T, Rosenbalm S. UNC Department of Biostatistics, Biostatistics Student Association. Masters' Alumni Panel. Chapel Hill, NC, February 2016. Moderator and Co-organizer.
55. **Schwartz TA,** Cleveland RJ. Modeling of Categorical Data. Presented at the American College of Rheumatology / Association of Rheumatology Health Professionals Annual Scientific Meeting, San Francisco, CA, November 2015. Invited.
56. **Schwartz TA.** Statistics Education in Nursing. Lunch Table Discussion Leader at the United States Conference on Teaching Statistics, State College, PA, May 2015. Invited.
57. Hayat M, Jiroutek M, Kim M, **Schwartz T.** Connecting Statistics Education with Health Sciences at the Graduate Level. Breakout Session presented at the United States Conference on Teaching Statistics, State College, PA, May 2015. Invited.
58. **Schwartz TA,** Armstrong B, Deal A, Kilaru R, Lindblad L, Ray N. UNC Department of Biostatistics, Biostatistics Student Association. Masters' Alumni Panel. Chapel Hill, NC, March 2015. Moderator and Co-organizer.
59. **Schwartz TA,** Howard AG, Kesler K, Song G, Sotres-Alvarez D, Wang X. UNC Department of Biostatistics, Biostatistics Student Association. Doctoral Alumni Panel. Chapel Hill, NC, March 2015. Moderator and Co-organizer.
60. **Schwartz TA.** Using M&M's to Teach Principles of One-Way Analysis of Variance. Presented at the Quantitative Psychology Forum, Department of Psychology, University of North Carolina at Chapel Hill, January 2015. Invited.
61. **Schwartz TA,** Cleveland R. Statistics Boot Camp: Statistical Analysis of Ordinal Data. Presented at the American College of Rheumatology / Association of Rheumatology Health Professionals Annual Scientific Meeting, Boston, MA, November 2014. Invited. *Selected for preview in the ACR Daily News.*
62. **Schwartz TA.** One Approach to a Flipped Statistics Classroom. Presented at the Quantitative Psychology Forum, Department of Psychology, University of North Carolina at Chapel Hill, October 2014. Invited.
63. **Schwartz TA.** Considerations for Power and Sample Size. Presented as part of the Biostatistics Seminar Series for Clinical and Translational Scientists, through the North Carolina Translational and Clinical Sciences (NC TraCS) Institute, University of North Carolina at Chapel Hill, September 2014. Invited.
64. Liu P, **Schwartz T.** An Application of Mixed Effects Linear Models to Longitudinal Laboratory Data. Presented at the Multidisciplinary Clinical Research Center Journal Club, Thurston Arthritis Research Center, University of North Carolina at Chapel Hill, September 2014. Invited.
65. **Schwartz T,** Stangl D, Andridge R, Neely M, Sainani K. Flipping the Biostatistics Classroom. Presented at the Joint Statistical Meetings, Boston, MA, August 2014. Invited. Session organizer and Panelist. *One of only two invited sessions from the ASA Section on Teaching Statistics in the Health Sciences.*

66. **Schwartz TA**, Armstrong B, Deal A, Mir E, Mulkey F, Pinkett T. UNC Department of Biostatistics, Biostatistics Student Association. Masters' Alumni Panel. Chapel Hill, NC, April 2014. Moderator and Co-organizer.
67. **Schwartz T**. UNC School of Nursing T32 Fellows Seminar. Odds Ratios. Chapel Hill, NC, February 2014.
68. Kneipp S, Gilleskie D, Sheely A, **Schwartz T**, Atkinson D, Gilmore R. Strange Bedfellows Who Speak in Tongues: Tales from an Interdisciplinary Research Team's Formative Journey. Presented at the Office of Research Support and Consultation Seminar Series, School of Nursing, University of North Carolina at Chapel Hill, November 2013.
69. **Schwartz TA**, Helms R, Pan W, Weaver M, Zink R. UNC Department of Biostatistics, Biostatistics Student Association. Doctoral Alumni Panel. Chapel Hill, NC, November 2013. Moderator and Co-organizer.
70. Hayat M, **Schwartz T**, Staggs V. Statistical Challenges in Nursing Research. Panel presentation at the Joint Statistical Meetings, Montreal, Quebec, Canada, August 2013. Panelist. Contributed.
71. **Schwartz TA**. Teaching Principles of One-Way Analysis of Variance Using M&M's Candy. Inaugural *Journal of Statistics Education* Webinar, Consortium for the Advancement of Undergraduate Statistics Education (CAUSE), June 2013. Invited.
72. **Schwartz TA**. "Flipping" the Statistics Classroom. Lunch Table Discussion Leader at the United States Conference on Teaching Statistics, Cary, NC, May 2013. Invited.
73. Beeber L, **Schwartz TA**. PhD Student-Faculty Discussion of *Naturally Obsessed: The Making of a Scientist* (PBS Documentary). UNC School of Nursing, Chapel Hill, NC, April 2013. Co-moderator.
74. **Schwartz TA**. Biostatistics as a Career. Presented at the Glenwood Elementary School Career Fair, Chapel Hill, NC, March 2013.
75. **Schwartz TA**. Considerations for Power and Sample Size. Presented as part of the Biostatistics Seminar Series for Clinical and Translational Scientists, through the North Carolina Translational and Clinical Sciences (NC TraCS) Institute, University of North Carolina at Chapel Hill, May 2012. Invited.
76. **Schwartz TA**. Extending Logistic Regression: The Application of the Proportional Odds Model to Nursing Research. Poster presented at the 25th annual meeting of the Southern Nursing Research Society, Jacksonville, FL, February 2011. Contributed.
77. **Schwartz TA**. Extending Logistic Regression through Proportional Odds Modeling. Presented at the Research Support Center Seminar Series, School of Nursing, University of North Carolina at Chapel Hill, October 2010. Invited.
78. **Schwartz TA**. A Motivating Example for Analysis of Variance Using Candies. Poster presented at the Joint Statistical Meetings, Vancouver, British Columbia, Canada, August 2010. Contributed.
79. **Schwartz TA**. Introduction to Sample Size and Power. Thurston Arthritis Research Center, School of Medicine, University of North Carolina at Chapel Hill, May 2010. Invited.
80. **Schwartz TA**. Introduction to the Partial Proportional Odds Model. Thurston Arthritis Research Center's Multidisciplinary Clinical Research Center, School of Medicine, University of North Carolina at Chapel Hill, May 2008. Invited.
81. **Schwartz TA**. Logistic Regression. Research Support Center/Center for Innovation in Health Disparities Research Seminar Series, School of Nursing, University of North Carolina at Chapel Hill, December 2006. Invited.
82. **Schwartz TA**. Using Generalized Estimating Equations Methods in Longitudinal Data Analysis. Thurston Arthritis Research Center's Multidisciplinary Clinical Research Center, School of Medicine, University of North Carolina at Chapel Hill, April 2006. Invited.
83. **Schwartz TA**. Using the Mixed Model in Longitudinal Data Analysis. Thurston Arthritis Research Center's Multidisciplinary Clinical Research Center, School of Medicine, University of North Carolina at Chapel Hill, April 2006. Invited.
84. **Schwartz TA**, Denne JS. A Two-Stage Sample Size Recalculation Procedure for Placebo- and Active-Controlled Non-Inferiority Trials. Presented at the 2005 Annual Meeting of the Eastern North America Region of the International Biometric Society, Austin, TX, March 2005. Contributed.
85. **Schwartz TA**. A Tutorial on Longitudinal Data Analysis Focusing on GEE Methods. Center for Research on Chronic Illness Seminar Series, School of Nursing, University of North Carolina at Chapel Hill, November 2004. Invited.

86. **Schwartz TA.** A Tutorial on Longitudinal Data Analysis Focusing on the Mixed Model. Center for Research on Chronic Illness Seminar Series, School of Nursing, University of North Carolina at Chapel Hill, November 2004. Invited.
87. **Schwartz TA, Denne JS.** Sample Size Re-calculation in Non-inferiority Trials that Include a Placebo Arm. Presented at the 2003 Annual Meeting of the Eastern North America Region of the International Biometric Society, Tampa, FL, March 2003. Contributed.

TEACHING EXPERIENCE**COURSES AS INSTRUCTOR/CO-INSTRUCTOR AT THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
(LAST 3 YEARS)**

Fall 2023	Primary Instructor (Co-Instructor with Professor Gary Koch) BIOS 665 “Categorical Data Analysis” (3 credit-hour graduate-level course) 59 Students Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
Fall 2023	Instructor NURS 918 “Intermediate Statistics: Regression Analysis” <i>(Flipped format)</i> (3 credit-hour PhD-level course) 6 Students School of Nursing University of North Carolina at Chapel Hill
Fall 2022	Primary Instructor (Co-Instructor with Professor Gary Koch) BIOS 665 “Categorical Data Analysis” (3 credit-hour graduate-level course) 65 Students Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
Fall 2022	Instructor NURS 918 “Intermediate Statistics: Regression Analysis” <i>(Flipped format)</i> (3 credit-hour PhD-level course) 14 Students School of Nursing University of North Carolina at Chapel Hill
Fall 2021	Primary Instructor (Co-Instructor with Professor Gary Koch) BIOS 665 “Categorical Data Analysis” (3 credit-hour graduate-level course) 50 Students Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
Fall 2021	Instructor NURS 918 “Intermediate Statistics: Regression Analysis” <i>(Flipped format)</i> (3 credit-hour PhD-level course) 10 Students School of Nursing University of North Carolina at Chapel Hill

GUEST LECTURES (LAST 3 YEARS)

Spring 2024	<p>“Consulting Tools: Sample Size, Precision and Power” (<i>Flipped format</i>) BIOS 841 (Principles of Statistical Consulting, Y. Truong & K. Anstrom) Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill</p>
Spring 2024	<p>“Sample Size Estimation” EPID 804 (Design of Clinical Research, W. Rosamond) Department of Epidemiology Gillings School of Global Public Health University of North Carolina at Chapel Hill</p>
Fall 2023	<p>“Data Analysis: Power Calculations and Sample Size” MCHC859 (Theoretical Perspectives on Maternal and Child Health, B. Zvara) Department of Maternal and Child Health Gillings School of Global Public Health University of North Carolina at Chapel Hill</p>
Fall 2023	<p>“Random Error (Type I & Type II Error), Study Efficiency, and Estimation of Sample Size” DPET 833 (Experimental Design Considerations in Clinical Research, C. Lee) Eshelman School of Pharmacy University of North Carolina at Chapel Hill</p>
Fall 2023	<p>“Power and Sample Size Considerations” EPID 726 (Epidemiologic Research Methods, A. Pettifor) Department of Epidemiology Gillings School of Global Public Health University of North Carolina at Chapel Hill</p>
Spring 2023	<p>“Power Calculation & Sample Size” NURS 906 (Scientific Reasoning IV: Crafting Methods and Analysis to Meet Specific Aims, C. Propper) School of Nursing University of North Carolina at Chapel Hill</p>
Spring 2023	<p>“Consulting Tools: Sample Size, Precision and Power” (<i>Flipped format</i>) BIOS 841 (Principles of Statistical Consulting, Y. Truong, K. Anstrom & L. LaVange) Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill</p>
Spring 2023	<p>“Sample Size Estimation” EPID 804 (Design of Clinical Research, W. Rosamond) Department of Epidemiology Gillings School of Global Public Health University of North Carolina at Chapel Hill</p>
Spring 2023	<p>“Introduction to Mediation & Moderation” (<i>Flipped format</i>) NURS 917 (Design, Measurement, and Analysis II: Explanatory and Predictive Research, Y.K. Wu, E. Hodges, K. Sheffield-Abdullah) School of Nursing</p>

University of North Carolina at Chapel Hill

- Fall 2022 “Introduction to Power and Sample Size” (*Flipped format*)
NURS 916 (Design, Measurement, and Analysis I: Descriptive and Associational Research, E. Hodges, Y.K. Wu, K. Sheffield)
School of Nursing
University of North Carolina at Chapel Hill
- Fall 2022 “Logistic Regression: Introduction and Examples”
NURS 671 (Nursing Inquiry and Evidence-Based Practice for Advanced Scholarship, J. Zegre-Hemsey)
School of Nursing
University of North Carolina at Chapel Hill
- Fall 2022 “Random Error (Type I & Type II Error), Study Efficiency, and Estimation of Sample Size”
DPET 833 (Experimental Design Considerations in Clinical Research, C. Lee)
Eshelman School of Pharmacy
University of North Carolina at Chapel Hill
- Spring 2022 “Power Calculation & Sample Size”
NURS 906 (Scientific Reasoning IV: Crafting Methods and Analysis to Meet Specific Aims, N. Villegas Rodriguez)
School of Nursing
University of North Carolina at Chapel Hill
- Spring 2022 “Introduction to Mediation & Moderation” (*Flipped format*)
NURS 917 (Design, Measurement, and Analysis II: Explanatory and Predictive Research, E. Hodges, K. Sheffield-Abdullah, Y.K. Wu)
School of Nursing
University of North Carolina at Chapel Hill
- Spring 2022 “Sample Size Estimation”
EPID 804 (Design of Clinical Research, W. Rosamond)
Department of Epidemiology
Gillings School of Global Public Health
University of North Carolina at Chapel Hill
- Spring 2022 “Consulting Tools: Sample Size, Precision and Power” (*Flipped format*)
BIOS 841 (Principles of Statistical Consulting, Y. Truong & L. LaVange)
Department of Biostatistics
Gillings School of Global Public Health
University of North Carolina at Chapel Hill
- Fall 2021 “Introduction to Power and Sample Size” (*Flipped format*)
NURS 916 (Design, Measurement, and Analysis I: Descriptive and Associational Research, E. Hodges, Y.K. Wu, K. Sheffield, A. Beeber)
School of Nursing
University of North Carolina at Chapel Hill
- Fall 2021 “Interprofessional Education: Case Study”
BIOL 117 (Considering Health Professions, A. Garland, J. DeSaix, L. Zwemer, M. Zomorodi, M. Horn)
Department of Biology

University of North Carolina at Chapel Hill

- Spring 2021 “Power Calculation & Sample Size” (*Flipped format*)
NURS 906 (Scientific Reasoning IV: Crafting Methods and Analysis to Meet Specific Aims, Y. Cortés, L. Song, L. Beeber)
School of Nursing
University of North Carolina at Chapel Hill
- Spring 2021 “Mediation & Moderation” (*Flipped format*)
NURS 917 (Design, Measurement, and Analysis II: Explanatory and Predictive Research, E. Hodges, A. Beeber, Y.K. Wu)
School of Nursing
University of North Carolina at Chapel Hill
- Spring 2021 Statistical Issues when Reading the Scientific Literature (guest presenter for guided discussion)
EPID 804 (Design of Clinical Research, J. Baron)
Department of Epidemiology
Gillings School of Global Public Health
University of North Carolina at Chapel Hill
- Spring 2021 “Sample Size Estimation”
EPID 804 (Design of Clinical Research, J. Baron)
Department of Epidemiology
Gillings School of Global Public Health
University of North Carolina at Chapel Hill
- Spring 2021 “Consulting Tools: Sample Size, Precision and Power” (*Flipped format*)
BIOS 841 (Principles of Statistical Consulting, P. Stewart & Y. Truong)
Department of Biostatistics
Gillings School of Global Public Health
University of North Carolina at Chapel Hill

EXTERNAL SHORT COURSES

August 2006	Categorical Data Analysis (Co-Lecturer with Professor Gary Koch) Joint Statistical Meetings (<i>Featured Short Course</i>) Seattle, WA
August 2002	Categorical Data Analysis (Co-Lecturer with Professor Gary Koch) GlaxoSmithKline Research Triangle Park, NC
August 2001	Categorical Data Analysis (Co-Lecturer with Professor Gary Koch) Quintiles Research Triangle Park, NC
December 2000	Categorical Data Analysis (Co-Lecturer with Professor Gary Koch) Biopharmaceutical Applied Statistics Symposium Hilton Head, SC
September 2000	Nonparametric Methods for Clinical Trials (Co-Lecturer with Professor Gary Koch) Statisticians in the Pharmaceutical Industry (U.K.) Oxford, UK
June 2000	Categorical Data Analysis (Co-Lecturer with Professor Gary Koch) Summer Program in Applied Biostatistics The Ohio State University Columbus, OH
April 2000	Nonparametric Methods for Clinical Trials (Co-Lecturer with Professor Gary Koch) Quintiles Kansas City, MO

MENTORING EXPERIENCE**GRADUATE AND POST-GRADUATE STUDENTS****ADVISEES**

1. Jipcy Carolina Amador Sulbaran, DrPH candidate, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. Co-Advisor (with Michael Hudgens). (2021-)
2. Natasha Burse, DrPH, Post-Doctoral Fellow, School of Nursing, University of North Carolina at Chapel Hill. Co-Mentor. (Mentor: Ashley Leak-Bryant)
3. Xiaotong (Joe) Yi, DrPH candidate, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. Co-Advisor (with Bonnie Shook-Sa). (2021-2023)
4. Hayden Dumaw, BSPH/MS dual degree, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “The Effect of an RN-Led Palliative and Collaborative Care Intervention on Changes in Symptoms, Function, and Quality of Life from Cycle 1 to Cycle 2 in Older Adults with Acute Myeloid Leukemia receiving Venetoclax and Hypomethylating Agents.” Substantive advising for BIOS 992 Master’s Paper credit (2022-2023).
5. Marvin Albert Meza Jarquín, MD student, School of Medicine, University of North Carolina at Chapel Hill, Rheumatology Research Foundation Preceptorship, Secondary Mentor. (Primary Mentor: Sandra Soto) (2021)
6. Elizabeth Ajazi, 2021, DrPH, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Application of Inverse Probability Weighting to Clinical Trials of Treatments for Opioid Use Disorder.” Advisor. (2019-2021)
7. Yihan Tang, 2021, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Estimating the Incidence Rate in the Presence of Interval Censored Data from a Complex Survey Design.” Co-Advisor (with Jianwen Cai). (2020-2021)
8. Dana Sessoms, 2020, MPH, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Correlates of Perceptions and Recommendations of Instructors’ Use of Flipped and Online Courses in Statistics and Biostatistics.” Advisor. (2018-2020)
9. Daniel O’Connell, MD student, School of Medicine, University of North Carolina at Chapel Hill, Rheumatology Research Foundation Preceptorship, Secondary Mentor. (Primary Mentors: Yvonne Golightly and Brian Pietrosimone) (2020)
10. Kalyani Hawaldar, 2019, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “A Comparison of Time-to-Event Methodologies for Interval Censoring: Illustrating the Use of SAS PROC ICPHREG.” Advisor. (2019)
11. Elizabeth Ajazi, 2018, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “The Use of Online Courses and Flipped Classrooms for Statistics or Biostatistics Courses: Overall and Selected Subgroup Results.” Advisor.
12. Heather Archambault, 2017, MPH, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Assessment of Response and Quality of Life in Subjects with Polycythemia Vera or Essential Thrombocythemia Receiving an Investigational Drug.” Advisor.
13. Yunkyung Chang, 2017, MPH, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Secondary Analysis of a Randomized Controlled Trial: Examining the Potential Moderating Effect of Baseline Levels on the Efficacy of an Intervention to Reduce Depressive Symptoms among Low-Income Mothers.” Advisor.
14. Craig McGowan, 2016, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Respiratory Symptoms, Eye Irritation, and Potential Dispersant Exposure in the GuLF STUDY.” Co-Advisor, with Dr. Dale Sanders (National Institutes of Health/National Institute of Environmental Health Sciences).
15. Xiaoming (Sophie) Gao, 2016, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “GEEORD: A SAS Macro for Analyzing Ordinal Response Variables with Repeated Measures through Partial Proportional Odds Models.” Advisor.

16. Divya Narayanan, Masters student, Department of Epidemiology, Johns Hopkins University, Rheumatology Research Foundation Preceptorship, Secondary Mentor. (Primary Mentor: Rebecca Cleveland) (2016)
17. Courtney Caiola, Post-Doctoral Fellow, School of Nursing, University of North Carolina at Chapel Hill. T32 program: Preventing and Managing Chronic Illness. Co-Mentor. (Co-Mentor: Shawn Kneipp) (2015-2016)
18. Patrick Smith, 2012, MPH, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Psychosocial and Cognitive Predictors of Mortality Following Lung Transplantation.” Co-Advisor. (With Co-Advisor Gary Koch)
19. YunKyung Chang, 2011, Post-Doctoral Fellow, School of Nursing, University of North Carolina at Chapel Hill. Advisory Committee member and Mentor. (Advisor: Barbara Mark)
20. Brian Armstrong, 2006, MPH, Department of Biostatistics, School of Public Health, University of North Carolina at Chapel Hill. “Analysis of a Clustered Longitudinal Study of Arthritis Interventions.” Advisor.

COMMITTEE MEMBER/READER

21. Latesha Harris, PhD candidate, School of Nursing, University of North Carolina at Chapel Hill. Committee member. (Advisor: Yamnia Cortes) (2024-)
22. Victoria Crowder (Bartoldus), PhD candidate, School of Nursing, University of North Carolina at Chapel Hill. Committee member. (Advisor: Ashley Leak Bryant) (2023-)
23. Lis Bernhardt, PhD candidate, *Royster Society of Fellows*, School of Nursing, University of North Carolina at Chapel Hill. Committee member. (Advisor: Linda Beeber) (2020-)
24. Tara Carr, PhD candidate, Department of Nutrition, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. Committee member. (Advisor:) (2017-)
25. John Gotelli, PhD candidate, School of Nursing, University of North Carolina at Chapel Hill. Committee member. (Advisors: Virginia Neelon and Mary Palmer)
26. Becky Hoover, 2024, PhD candidate, School of Nursing, University of North Carolina at Chapel Hill. “Exploring Physical Activity Interventions, Patterns of Change, and Cardiovascular Outcomes Among Adolescent and Young Adult Survivors of Cancer.” Committee member. (Advisors: Deborah Mayer and Rachel Hirschey) (2021-2024)
27. Mary Killela, 2023, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Examining the Use of Medical Crowdfunding to Address the Costs of Childhood Cancer.” Committee member. (Advisor: Sheila Santacroce) (2018-2023)
28. Jun Tao, 2022, PhD, School of Public Health (Epidemiology & Biostatistics), University of Hong Kong, “Nutrition Data Science for Lung Cancer Prevention and Macrotrends.” External Examiner (invited). (Advisors: Wing Tak Wendy Lam and Herbert Pang) (2022)
29. Alyssa Evans-Pickett, 2022, PhD candidate, Human Movement Science Curriculum, University of North Carolina at Chapel Hill. “Responses to Gaps that Currently Inhibit the Transition of Real-Time Gait Biofeedback Based Rehabilitation from a Laboratory to a Clinical Setting.” Committee member. (Advisor: Brian Pietrosimone) (2021-2022)
30. Gilson Honvoh, 2022, DrPH, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Precision Medicine Methods for Right-Censored Survival Outcomes.” Committee member. (Advisor: Michael Kosorok) (2021-2022)
31. Elizabeth Allen Myer, 2022, PhD, School of Nursing, University of North Carolina at Chapel Hill. “The Relationship between Pain, Mobility, and Physical Function for Hospitalized Older Veterans.” Committee member. (Advisor: Peggy Wilmoth) (2018-2022)
32. Ann Marie K. Weideman, 2021, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Randomization Based Methods for Covariance Adjustment of Longitudinal Win Ratios for Ordinal Outcomes.” Reader. (Advisor: Gary Koch) (2021)
33. Bianca Shieu, 2021, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Health-Related Quality of Life Among Nursing Home Residents in Western Canada.” Committee member. (Advisor: Ruth Anderson) (2019-2021)

34. Kelly Tan, 2021, PhD, School of Nursing, University of North Carolina at Chapel Hill. “A Multi-Method Longitudinal Study of Caregivers of Adults Receiving an Allogeneic Bone Marrow Transplant.” Committee member. (Advisor: Deborah Mayer [former advisor: Sheila Santacroce]) (2017-2021)
35. Euphy Wu, 2020, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Performance Evaluation of Four Statistical Methods to Compare Two Doses of a Test Drug and Placebo.” Reader. (Advisor: Gary Koch)
36. Emily Shives, 2020, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Analysis of a Crossover Study Comparing Surface Cleanliness Assessment Methods.” Reader. (Advisor: Gary Koch)
37. Chen Wu, 2020, PhD, *Royster Society of Fellows*, School of Nursing, University of North Carolina at Chapel Hill. “Unsupervised Behavioral and Pelvic Floor Muscle Training Programs that Target Women's Storage-Type Lower Urinary Tract Symptoms.” Committee member. (Advisor: Mary Palmer) (2019-2020)
38. Andrew Allmon, 2020, DrPH, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “The LASSO and the Monkey: Feature Selection, Extraction, and Testing in Repeated Low-Dose Challenge Data.” Committee member. (Advisor: Michael Hudgens) (2019-2020)
39. Terika McCall, 2020, PhD, Carolina Health Informatics Program, School of Information and Library Science, University of North Carolina at Chapel Hill. “mHealth for Mental Health: Culturally-Tailored Interventions for Managing Anxiety and Depression in African American Women.” Committee member. (Advisor: Saif Khairat) (2019-2020). *First student to graduate with PhD in Health Informatics at UNC.*
40. Xiaotong (Phoebe) Jiang, 2020, PhD, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Developing Machine Learning Methodology for Precision Health.” Committee member. (Advisor: Michael Kosorok) (2019-2020)
41. Audrey E Chang, 2020, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Conditional modeling on MLN8237 Treatment Effects in Pancreatic Cancer.” Reader. (Advisor: Jen Jen Yeh)
42. Elaine Kearney, 2020, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Evaluation of a Method for Sample Size Re-Estimation for a Clinical Trial to Compare Two Test Treatments to Control.” Reader. (Advisor: Gary Koch) *Winner of 2021 UNC Department of Biostatistics' Regina C. Elandt-Johnson Best Master's Paper Award.*
43. Catherine Wiener, 2019, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “A Robust Model to Detect Disease Modification for a Delayed-Start Design in Neurodegenerative Disorders.” Reader. (Advisor: Gary Koch)
44. Karen Sheffield, 2019, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Perspectives of Stress, Psychological Distress and Self-Care among Perinatal African American Women: An Exploration of Intersectional and Integrative Factors to Help Women and Their Healthcare Providers Understand and Reduce Stress-Related Risk Factors for Adverse Birth Outcomes.” Committee member. (Advisor: Cheryl Giscombe-Woods) (2014-2019)
45. Celine Marquez, 2019, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Exploring the Use of an Evidence-Based Guideline for Urinary Incontinence (UI) and Related Outcomes in Older Women during Hospitalization.” Committee member. (Advisor: Mary Palmer) (2015-2019)
46. Christoph Hornik, 2019, PhD, Pharmaceutical Sciences, Eshelman School of Pharmacy, University of North Carolina at Chapel Hill. “Application of Pharmacometric Methods to Optimize Trial Design and Dosing in Critically Ill Infants.” Committee member. (Advisor: Daniel Gonzalez) (2016-2019)
47. Eric Trexler, 2018, PhD, *Royster Society of Fellows*, Human Movement Science Curriculum, University of North Carolina at Chapel Hill. “Performance Effects of Citrulline Malate and Beetroot Juice Supplementation.” Committee member. (Advisor: Abbie Smith-Ryan) (2017-2018)
48. Jonathan (FJ) Goodwin, 2018, PhD, Human Movement Science Curriculum, University of North Carolina at Chapel Hill. “Neuromechanical Contributions to Lower Extremity Stiffness during Running and Hopping in Healthy Runners.” Committee member. (Advisor: Troy Blackburn) (2016-2018)
49. Wenwen Guo, 2018, MS candidate, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Discussion on Type I Error Rate and Power Inflation in Individually-Randomized Group-Treatment Trials.” Reader. (Advisor: Mark Weaver)

50. Ya Ke (Grace) Wu, 2018, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Weight Stigma and Acculturation in Relation to Hair Cortisol and Binge Eating in Asian Americans with Overweight and Obesity.” Committee member. (Advisor: Diane Berry) (2015-2018)
51. Vicky Yeh, PhD, 2018, School of Nursing, University of North Carolina at Chapel Hill. “Online Deliberate Practice to Achieve Mastery Learning: Developing Critical Incident SBAR Reporting Skills.” Committee member. (Advisor: Gwen Sherwood) (2015-2018)
52. Sean McCabe, 2017, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Sample Size Considerations for Inferential and Formally Supportive Subgroup Analyses in Stratified Sampling Designs.” Reader. (Advisor: Gary Koch). Winner of 2018 UNC Department of Biostatistics’ Regina C. Elandt-Johnson Best Master’s Paper Award.
53. Laura Zhou, 2016, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Treatment Comparisons through Sequence Group Comparisons in Crossover Studies with Time to Event Data.” Reader. (Advisor: Gary Koch). Winner of 2016 UNC Department of Biostatistics’ Regina C. Elandt-Johnson Best Master’s Paper Award.
54. Jumi Lee, 2016, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Staff Nurse Decisional Involvement in South Korea: The Concept, Measurement, and Influence of Nurse Decisional Involvement on Nurse Job Satisfaction, Organizational Commitment, and Turnover Intention.” Committee member. (Advisor: Donna Havens)
55. Derek Marsh, 2016, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Extending McNemar’s Test for Cluster-Randomized Trials.” Reader. (Advisor: Feng-Chang Lin)
56. Carlos R. Meléndez Román, 2016, PhD, Educational Psychology, Measurement and Evaluation Program [Quantitative Methods (Statistics) Concentration; Biostatistics Minor], School of Education, University of North Carolina at Chapel Hill. “A Monte Carlo Study of Several Different Approaches to the Behrens–Fisher Problem.” Committee member (Minor Program representative). (Advisor: William Ware)
57. Yue Shan, 2016, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Type I Error and Power for Comparisons of Two Randomized Groups for Correlated Binary Outcomes with Methods for Generalized Estimating Equations (GEE) and Nonparametric Analysis of Covariance (NParCov).” Reader. (Advisor: Gary Koch)
58. Ananta Bangdiwala, 2015, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Power and Type I Error Rates for Three Closed Testing Procedures to Compare Three Doses to Placebo.” Reader. (Advisor: Gary Koch)
59. Laura Elizabeth Wiener, 2014, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Performance of Alternative Methods for Pairwise Group Comparisons in a Multi-Group Setting for Percentages of a Whole.” Reader. (Advisor: Gary Koch)
60. Natnaee Aimyong, 2014, DrPH, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Propensity Score Methods for Competing Risks.” Committee member. (Advisor: Jason Fine)
61. Carolyn Huffman, 2014, PhD, School of Nursing, University of North Carolina at Chapel Hill. “The Meaning of Miscarriage: Measurement, Reproductive Factors and Trajectory in Couple Dyads.” Committee member. (Advisor: Kristen Swanson)
62. Benjamas Suksatit, 2014, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Sleep in Community-Dwelling Older Adults: Issues of Measurement.” Committee member. (Advisor: Barbara Carlson/Virginia Neelon)
63. Qingyao Zheng, 2014, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Evaluation of Type I Error and Power for Some Criteria for Addressing All Patients or a Specified Subgroup for the Comparison of Two Treatments.” Reader. (Advisor: Gary Koch)
64. Megan Kincade, 2013, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Type One Error and Power for Two Closed Testing Procedures for an Adaptive Clinical Trial with Two Doses and Placebo.” Reader. (Advisor: Gary Koch)
65. JaHyun Kang, 2012, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Prevention of Healthcare-Associated Infections in U.S. Hospital Settings.” Committee member. (Advisor: Barbara Mark)
66. Dawn Phillips, 2012, PhD, Division of Physical Therapy, Department of Allied Health Sciences, School of Medicine, University of North Carolina at Chapel Hill. “Concurrent Validity and Responsiveness of the

- Peabody Developmental Motor Scales - 2 in Infants and Children with Pompe Disease undergoing Enzyme Replacement Therapy.” Committee member. (Advisor: Angela Rosenberg)
67. Siying Li, 2012, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “A Multistage Non-Inferiority Study Analysis Plan to Evaluate Successively More Stringent Criteria for a Clinical Trial with Rare Events.” Reader. (Advisor: Gary Koch). *Winner of 2013 UNC Department of Biostatistics’ Regina C. Elandt-Johnson Best Master’s Paper Award.*
 68. Jason Coarse, 2011, MS, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Power Simulation for a Crossover Thorough QT Study.” Reader. (Advisor: Gary Koch)
 69. Leslie Davis, 2011, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Uncertainty as a Precursor to Delay in Seeking Care for Women Experiencing Symptoms of Acute Coronary Syndromes.” Committee member. (Advisor: Merle Mishel)
 70. Jo Dowell, 2011, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Determining Intervention Fidelity from Chronological Field Notes.” Committee member. (Advisor: Linda Beeber)
 71. Lauren Abbate, 2009, PhD, Department of Epidemiology, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Understanding the Relationships Between Body Weight, Its Distribution, and Changes over Time with the Onset and Progression of Radiographic Knee Osteoarthritis.” Committee member. (Advisor: June Stevens)
 72. Brigit Carter, 2009, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Identification of Risk Factors for Necrotizing Enterocolitis in Preterm Infants: How Race, Gender, and Maternal Health Status Contribute.” Committee member. (Advisor: Diane Holditch-Davis)
 73. Lung-Chang Chien, 2009, DrPH, Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. “Multi-City Time Series Analyses of Air Pollution and Mortality Data Using Generalized Geoaddivitive Mixed Models.” Committee member. (Advisor: Shrikant Bangdiwala)
 74. John Kairalla, 2007, PhD, Department of Biostatistics, School of Public Health, University of North Carolina at Chapel Hill. “An Internal Pilot Study with Interim Analysis for Gaussian Linear Models.” Committee member. (Advisor: Keith Muller)
 75. June Cho, 2007, Post-Doctoral Fellow, School of Nursing, University of North Carolina at Chapel Hill. Advisory Committee member. (Advisor: Virginia Neelon)
 76. Yiyun Tang, 2007, MS, Department of Biostatistics, School of Public Health, University of North Carolina at Chapel Hill. “Performance of Some Proof of Concept Decision Rules for Multiple Response Variables in a Multi-Dose Clinical Trial.” Reader. (Advisor: Gary Koch)
 77. Se Hee Kim, 2007, MS, Department of Biostatistics, School of Public Health, University of North Carolina at Chapel Hill. “Optimal Allocation to Find the Lowest Dose on the Plateau of a Dose-Response Curve.” Reader. (Advisor: Anastasia Ivanova)
 78. Yufan Zhao, 2007, MS, Department of Biostatistics, School of Public Health, University of North Carolina at Chapel Hill. “Dose Finding for Umbrella Dose-Response.” Reader. (Advisor: Anastasia Ivanova)
 79. Robin Knobel, 2006, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Physiological Effects of Thermoregulation in Transitional Extremely Low Birthweight Infants.” Committee member. (Advisor: Diane Holditch-Davis)
 80. Shenghua Mao, 2006, MS, Department of Biostatistics, School of Public Health, University of North Carolina at Chapel Hill. “An Adaptive Treatment Assignment Design for Dose Selection with Application to Headache Trials.” Reader. (Advisor: Anastasia Ivanova)
 81. Tomoharu Matsukura, 2006, MPH, Department of Biostatistics, School of Public Health, University of North Carolina at Chapel Hill. “Study Design and Sample Size to Compare Two Combination Drugs to Their Components and Placebo.” Reader. (Advisor: Gary Koch)
 82. Erica Wilmoth, 2005, MS, Department of Biostatistics, School of Public Health, University of North Carolina at Chapel Hill. “An Application of Resampling Methods to Multiple Endpoints for the Comparison of Two Treatments for a Schizophrenic Disorder.” Committee member (Reader). (Advisor: Gary Koch)
 83. Beth Black, 2005, PhD, School of Nursing, University of North Carolina at Chapel Hill. “Maternal-Preterm Infant Interaction Subsequent to High-Risk Pregnancy.” Committee member. (Advisor: Diane Holditch-Davis)

84. Piper Merrill, 2003, MSN, School of Nursing, University of North Carolina at Chapel Hill. "Factors Related to the Incidence And Onset Of Asthma And Rehospitalization In The First 18 Months Of Life In Premature Infants." Committee member. (Advisor: Diane Holditch-Davis)
85. LaTonya Sanders, 2003, MSN, School of Nursing, University of North Carolina at Chapel Hill. "Factors Related To The Incidence And Onset Of Asthma And Rehospitalization In The First 18 Months Of Life In Premature Infants." Committee member. (Advisor: Diane Holditch-Davis)
86. Lorna Bell-Kotwall, 2003, PhD, School of Nursing, University of North Carolina at Chapel Hill. "Factors that Predict Change in Urinary Incontinence in Older Rural Women." Committee member. (Advisor: Molly Dougherty)

MENTORING OF GRADUATE STUDENT IN TEACHING ASSISTANT ROLE

1. Celine Marquez, 2015, Future Faculty Fellowship Program, Center for Faculty Excellence, the University of North Carolina at Chapel Hill

MENTORING OF GRADUATE STUDENT IN RESEARCH PRACTICUM

1. Bianca Shieu, Spring 2020, Propensity Score Analysis, School of Nursing, the University of North Carolina at Chapel Hill

UNDERGRADUATE STUDENT HONORS ADVISEES AND COMMITTEES

ADVISEES

1. Gabrielle Zuckerman, 2021, Quantitative Sciences Undergraduate Research Experience (QSURE) Fellow, BSPH, Department of Biostatistics, Gillings School of Global Public Health, the University of North Carolina at Chapel Hill. “Understanding Differences in Prescription Drug Use Between Mexican Americans and Non-Hispanic White Americans: Results from the National Health and Nutrition Examination Survey (NHANES).” Faculty Advisor. (Mentor: Elizabeth Kantor, Memorial Sloan Kettering Cancer Center)
2. Laura Elizabeth Wiener, 2012, BSPH, Department of Biostatistics, Gillings School of Global Public Health, the University of North Carolina at Chapel Hill. “Investigating New Methods to Provide Robust Confidence Intervals for Differences in Proportions in Settings with Small Counts.” Co-Advisor (with Co-Advisor Gary Koch).
3. Jenny Yang, 2011, BSPH, Department of Biostatistics, Gillings School of Global Public Health, the University of North Carolina at Chapel Hill. “A Comparison of Depression Symptomatology Instruments.” Advisor.

COMMITTEE MEMBER/READER

4. Laura Zhou, 2014, BSPH, Department of Biostatistics, Gillings School of Global Public Health, the University of North Carolina at Chapel Hill. “Some Statistical Considerations for Comparisons between Groups for Counts of Events during At-risk Time Periods.” Reader. (Advisor: Gary Koch).
5. Joseph Rigdon, 2008, BSPH, Department of Biostatistics, School of Public Health, the University of North Carolina at Chapel Hill. “The NBA Draft: Order Matters.” Reader. (Advisor: Lawrence Kupper)

BIostatistics UNDERGRADUATE SUMMER INTERNSHIP (BUSI) SUPERVISOR

1. Ian Miller (Summer 2023)
2. Hayden Dumaw (Summer 2022)

SUPERVISION OF GRADUATE STUDENT STATISTICAL CONSULTING PROJECTS (BIOS 342/842 PRIOR TO 2020)

1. Cheynna Crowley (Fall 2019)
2. Elizabeth Ajazi (Fall 2018)
3. Joo Young Yim (Fall 2018)
4. Heather Archambault (Spring 2017)
5. Laura Elizabeth Wiener (Summer/Fall 2015)
6. Krishna Chotneeru (Spring 2013)
7. YunKyung Chang (Fall 2012)
8. Natnaree Aimyong (Spring 2012)
9. Polina Kukhareva (Spring 2012)
10. Patrick Smith (Spring 2012 – Co-advised with Professor Gary Koch)
11. Xiaoshan Wang (Spring 2011 – Co-advised with Professor Gary Koch)
12. Carlos Rafael Melendez Roman (Spring 2008)
13. Margaret Hall (Spring 2005)
14. Sola Park (Spring 2003)
15. Guoqing Diao (Fall 2002)
16. Lisa Moorehead (Spring 2002)

RESEARCH SUPPORT

RESEARCH GRANTS AS PRINCIPAL INVESTIGATOR

1. Callahan et al. *UNC Core Center for Clinical Research*. National Institute of Arthritis & Musculoskeletal & Skin Diseases, National Institutes of Health, 2019-2024. P30 AR072520-01. Principal Investigator and Director of the Methodology Core.
2. Jordan J, Callahan L, DeVellis R, Golightly Y, Hales D, Marshall S, Nelson A, Padua D, Renner J, Rini C, **Schwartz T**, Ward D. *NIAMS Multidisciplinary Clinical Research Center*. National Institute of Arthritis & Musculoskeletal & Skin Diseases, National Institutes of Health, 2013-2019. P60 AR064166-01. Co-Investigator. Principal Investigator and Co-Director of Methodology Core.

RESEARCH GRANTS COLLABORATIONS (CO-INVESTIGATOR/BIostatistician)

3. Lisee C et al. *Optimizing Cartilage Composition through Physical Activity for Posttraumatic Osteoarthritis Prevention*. North Carolina Translational & Clinical Sciences Institute (NC TraCS). Co-Investigator
4. Allen K, et al. *Precision Medicine to Inform Rehabilitation and Exercise Therapies for Knee Osteoarthritis*. Translational Research Matched Pilot Grants, North Carolina Translational & Clinical Sciences Institute (NC TraCS). 2019-2020.
5. Allen K, et al. *Improving Physical Activity and Gait Symmetry after Total Knee Arthroplasty*. National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, 2019-2022. R21 AR074149-01A1. Co-Investigator.
6. Nelson et al. *Application of Advanced Methodology to Osteoarthritis Phenotyping*. National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, 2020-2021. R21 AR074685-01A1. Co-Investigator.
7. Kiefer et al. *Leveraging Artificial-Intelligence to Profile and Enhance Phenotypic Plasticity for Second Injury Prevention: An Innovative Precision Medicine Platform to Revolutionize Injury Care*. National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health, 2019-2021. R21 EB027865-01. Biostatistician.
8. Pietrosimone et al. *In vivo Manipulation of Mechanical Loading: Using Real-time Biofeedback to Strategically Understand the Acute Biomechanical, Biochemical and Structural Changes Induced by Lower Extremity Loading Following Knee Injury*. National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, 2018-2020. R21 AR074094-02. Co-Investigator.
9. Golightly Y et al. *Joint Hypermobility and Lower Body Osteoarthritis*. National Institute of Arthritis & Musculoskeletal & Skin Diseases, National Institutes of Health, 2015-2019. 5 R01 AR067743-04. Co-Investigator.
10. Blackburn T et al. *Vibratory Stimuli: A Novel Rehabilitation Method for Preventing Post-Traumatic Knee Osteoarthritis*. Department of Defense, 2015-2019. W81XWH-15-1-0287. Co-Investigator.
11. Pietrosimone B et al. *Improving Disability in Knee Osteoarthritis by Targeting Neuromuscular Deficits*. National Institute of Arthritis & Musculoskeletal & Skin Diseases, National Institutes of Health, 2015-2019. 5 R21 AR067560-02. Co-Investigator.
12. Hodges E et al. *Enhancing Caregiver-Infant Communication to Prevent Obesity*. E. K. Shriver National Institute of Child Health and Human Development, National Institutes of Health, 2016-2019. 5 R21 HD082707-02. Biostatistician.
13. Nelson AE et al. *Johnston County Osteoarthritis Project: Arthritis, Disability, and Other Chronic Diseases*. Centers for Disease Control and Prevention, 2016-2021. U01 DP006266-02. Co-Investigator.
14. Nelson AE et al. *Sonography of OA by Rheumatologists (SOAR): The Johnston County OA Project*. American College of Rheumatology Research & Education Foundation, 2017-2019. Co-Investigator.
15. Goode, A., et al. *Biomarkers to Advance Clinical Phenotypes of Chronic Low Back Pain (BACK)*. National Institute of Arthritis, Musculoskeletal and Skin Diseases, National Institutes of Health, 2017-2021. R01 AR071440-01A1. Co-Investigator. (UNC Subcontract from Duke University).

16. Loeser, Jr. RF, Lund PK, Azcarate-Peril MA, Sartor RB, Schwartz TA, Ting JP. *The Role of the Microbiome in Osteoarthritis*. Phase I Translational Team Science Award (TTSA), University of North Carolina at Chapel Hill School of Medicine and the North Carolina Translational & Clinical Sciences Institute (NC TraCS).
17. Callahan L, Cleveland B, Jordan J, Renner J, **Schwartz T**. *Mortality in a Community Sample of Adults with Arthritis*. National Institute of Arthritis & Musculoskeletal & Skin Diseases, National Institutes of Health, 2013-2019. 1 R01 AR065937-01. Co-Investigator.
18. Sherwood A, et al. *Depression and Heart Failure Disease Program*. National Institute of Heart, Lung, and Blood, National Institutes of Health, 2014-2019. 1 R01 HL121708-01A1. Co-Investigator (UNC Subcontract from Duke University).
19. Toles M et al. *Connect-Home: Transitional Care in Skilled Nursing Facilities*. North Carolina Translational & Clinical Sciences Institute (NC TraCS). Co-Investigator
20. Kneipp S, et al. *Applying a Novel, Simulation-Based Dissemination Approach to Increase EBI Adoption Interest*. Dissemination and Implementation Grant, North Carolina Translational & Clinical Sciences Institute (NC TraCS). 2014-2015.
21. Allen K, et al. *Physical Therapy vs. Internet-Based Exercise Training for Patients with Knee Osteoarthritis*. Patient Centered Outcomes Research Institute, 2014-2017. 1306-02043. Biostatistician.
22. Kneipp S, et al. *Modeling Criminal History Effects on Women's Health*. National Institute of Nursing Research, National Institutes of Health, 2014-2016. 1 R21 MD009563-01A1. Co-Investigator.
23. Beeber L, Meltzer-Brody S. *A UNC-Community Partnership to Enhance Outcomes for Infants and Toddlers with Suspected Disability who are Enrolled in Early Intervention Services*. The North Carolina Translational and Clinical Sciences (NC TraCS) Institute at The University of North Carolina at Chapel Hill, 2012-2013. Co-Investigator.
24. Nelson AE. *Variations in Hip Morphology: Frequency and Impact on Osteoarthritis Outcomes*. National Institute of Arthritis & Musculoskeletal & Skin Diseases, National Institutes of Health, 2011-2016. K23 AR061406-02. Advisory Panel Member and Biostatistician.
25. Berry D, Stuebe A, **Schwartz T**, Verbiest S. *Improving Outcomes for Women with GDM and Their Infants*. National Institute of Diabetes, Digestive, and Kidney Diseases and E. K. Shriver National Institute of Child Health and Human Development, National Institutes of Health, 2012-2014. R21 DK092750-01A1. Co-Investigator.
26. Jordan J, Callahan L, He K, Kalsbeek W, Nelson A, Renner J, **Schwartz T**, Miles L, Patterson C, Woodard J, Savage-Guin S, Capps G, Joyner L, Starling A, Wade N. *The Johnston County OA Project: Arthritis & Disability*. Centers for Disease Control and Prevention, 2011-2016. U01 DP003206-01. Co-Investigator.
27. Mishel M. *Interventions for Preventing and Managing Chronic Illness*. National Institute of Nursing Research, National Institutes of Health, 1996-2016. 2 T32 NR007091-11. Interdisciplinary Faculty.
28. Mark B, Leatt P, Carey T. *Research Training in Health Care Quality and Patient Outcomes*. National Institute of Nursing Research, National Institutes of Health, 2004-2014. T32 NR008856-06. Faculty.
29. Callahan L, Chen JC, Devellis R, Jordan J, Kaufman J, Meier A, Mielenz T, **Schwartz T**. Also: Callahan L, Chen JC, Jordan J, **Schwartz T**, Myers E, Randolph R, Schoster B, Shreffler J, Miles L, Woodard J. *Individual and Community Social Determinants of Osteoarthritis Outcomes*. National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, 2008-2013. R01 AR053989. Co-Investigator.
30. Jordan J, Nelson A, Renner J, **Schwartz T**, Gale WP, Shi X. *Prevalence and Incidence of Osteonecrosis (ON) in Prevalent Knee Osteoarthritis (OA)*. Johnson & Johnson Pharmaceutical Research & Development, 2011-2012. Co-Investigator.
31. Jordan J, Renner J, Nelson A, **Schwartz T**, Shi X. *Prevalence and Incidence of Osteonecrosis (ON) in Prevalent Hip Osteoarthritis (OA)*. Johnson & Johnson Pharmaceutical Research & Development, 2011-2012. Co-Investigator.
32. Jordan J, Callahan L, He K, Kalsbeek W, Nelson A, Renner J, **Schwartz T**, Woodard J, Golightly Y, Miles L, Myers E, Savage-Guin S, Capps G, Deese T, Joyner L, Patterson C, Starling A, Wade N. *The Johnston County OA Project: Arthritis & Disability*. Centers for Disease Control and Prevention/Association of Schools of Public Health, 2010-2012. Co-Investigator.
33. Callahan L, Jonas B, **Schwartz T**, Schoster B, Martin K, Randolph R, Shreffler J. Also: Callahan L, Jonas B, **Schwartz T**, Hackney B, Cleveland B, Randolph R. *Social Determinants of Outcomes in*

- African Americans with Rheumatoid Arthritis*. National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, 2010-2013. R01 AR056717-01A1. Co-Investigator.
34. Beeber L, **Schwartz T**, Lewis G. *The "Wings" Depressive Symptom Intervention for Latina Mothers*. National Institute of Mental Health, National Institutes of Health, 2009-2013. R34 MH086553-01. Co-Investigator and Statistician.
 35. Travers D, Haas S, Mostafa J, **Schwartz T**, Waller A. *Adapting Natural Language Processing Tools for Biosurveillance*. National Library of Medicine, National Institutes of Health, 2009-2012. G08 LM009787-01A1. Statistical Investigator.
 36. Berry D, Ammerman A, McMurray R, **Schwartz T**, Skelly A. *Children and Parents Partnering Together to Manage Their Weight*. National Institute of Nursing Research, National Institutes of Health, 2007-2012. R01 NR010254. Co-Investigator and Statistician.
 37. Hodges E. *Comparison of Patterns of Maternal Feeding Responsiveness and Infant Growth from Infancy into Toddlerhood*. Junior Faculty Development Award, University of North Carolina at Chapel Hill, 2010-2011. Statistician.
 38. Talameh J, Patterson JH, Adams KF, McLeod H, Hoskins J, **Schwartz T**. *Association of Genetic Polymorphisms in the Sympathetic Adrenergic and Renin-Angiotensin-Aldosterone Systems with Mortality in Patients with Heart Failure*. NC TraCS (NIH CTSA) TraCS\$10K Pilot, 2010-2011. 10KR51038. Co-Investigator.
 39. Jordan JM. *The Johnston County OA Project: Arthritis & Disability*. Centers for Disease Control and Prevention/Association of Schools of Public Health, 2007-2010. S3810-27. Co-Investigator.
 40. Holditch-Davis D. *Mother-Administered Interventions for VLBW Infants*. National Institute of Nursing Research, National Institutes of Health, 2005-2010. R01 NR009418-03. (Transferred to Duke University.)
 41. Hodges E. *Maternal Feeding Responsiveness during Infancy and Toddlerhood*. UNC Clinical Nutrition Research Center/Nutrition Obesity Research Center, 2008-2009. Supported by National Institutes of Health Grant DK056350. Statistician.
 42. Beeber L, Bledsoe S, Perreira K, **Schwartz T**, Lewis V. *Feasibility of Procedures for Screening and Recruitment of Community-Dwelling Mothers*. UNC School of Nursing Faculty Research Opportunity Grant, 2008-2009. Co-Investigator.
 43. Beeber L, Holditch-Davis D, **Schwartz T**. *"Alumbrando El Camino/Bright Moments": A Curriculum for Staff Working with EHS Parents with Depressive Symptoms*. Administration for Children and Families, Office of Planning, Research and Evaluations in the Department of Health and Human Services, 2005-2009. 90YF0055/01. Co-Investigator and Statistician.
 44. Goepfinger J, Gizlice Z, **Schwartz T**. *Arthritis Self-Management Education – Dose Response*. Centers for Disease Control and Prevention, 2005-2009. Biostatistician.
 45. Beeber LS, Canuso R, Holditch-Davis D, Belyea M, **Schwartz T**, Mishel M, Pedersen C, Bryant D, Goldman B. *Reducing Depressive Symptoms in Low-Income Mothers (HILDA)*. National Institute of Mental Health, National Institutes of Health, 2003-2010. R01 MH065524-01A2. Co-Investigator and Statistician.
 46. Beeber L, **Schwartz T**. *Xtria E-PIRC Common Dataset Ancillary Study*. Xtria, LLC, Administration for Children and Families, Administration for Children, Youth, and Families, 2007. Statistician.
 47. Pletsch P, Melvin C, **Schwartz T**. *A Smoking Resumption-Prevention Intervention for Pregnant and Postpartum Women*. Robert Wood Johnson, 2005-2007. Biostatistician.
 48. Goepfinger J, Lorig K. *Mail-Delivered Arthritis Self-Management Education*. Centers for Disease Control and Prevention, 2004-2007. Statistician.
 49. Jordan JM, Callahan L, Devellis R, Dooley M, Falk R, Hogan S, Jonas B, Kaufman J, Lewis M, Mielenz T, Patel D, Renner J, **Schwartz T**, Weinberger M, Winfield J. Also: Jordan J, Callahan L, Devellis R, Schwartz T, Nel C, McAlister D, Patterson C, Schoster B, Shreffler J. *NIAMS Multidisciplinary Clinical Research Center: Rheumatic Diseases: Methodology Core*. National Institute of Arthritis and Musculoskeletal and Skin Diseases, 2003-2009. 5-P60-AR049465-03. Biostatistician.
 50. Beeber LS, Belyea M, Holditch-Davis D, Perreira K, **Schwartz T**. *Early Head Start Latina Mothers: Reducing Depression and Improving Infant/Toddler Mental Health (ALAS)*. Department of Health and Human Services/Administration for Child and Family/ACYF Early Head Start-University Partnership Grant, 2002-2007. 90YF0042/01. Co-Investigator and Statistician.
 51. Thoyre S. *Decreasing the Effect of Variability in a Test of Contingent Feeding of Preterm Infants*. Faculty Research Opportunity Grant, UNC-CH School of Nursing, 2003-2005. Statistician.

52. Thoyre S. *Contingent Feeding of Preterm Infants to Reduce Hypoxemia*. National Institute of Nursing Research, National Institutes of Health, 2002-2005. 1 K01 NR07668. Statistician.
53. Foley BJ, Bingham M, Harvey SS, Jennings B, Kee CC, Minick P, Mitchell PH, **Schwartz T**. *Nursing Processes and Patient Outcomes in U.S. Army Hospitals*. TriService Nursing Research Program, 2002-2004. N02-020. Statistician.
54. Goepfinger J. *Comparing ASHC and CDSMP Outcomes in Arthritis*. Centers for Disease Control and Prevention/Association of Schools of Public Health, 2002-2004. S2233-22/22. Statistician.
55. Harrell J, Funk S. *Preventing/Managing Chronic Illness in Vulnerable People*. National Institute of Nursing Research, National Institutes of Health, 1994-2004. P30 NR03962. Statistician.
56. Cheek D. *Regulation of Vascular Blood Flow by Endothelial Cells*. American Heart Association, 2001-2002. 0060168U. Statistician.
57. Holditch-Davis D, Scher M, Miles M, **Schwartz T**, Hack M. *Assessment of Biological and Social Risk in Preterm Infants*. National Institute of Nursing Research, National Institutes of Health, 1998-2002. 2 R01 NR01894. Statistician.

OTHER RESEARCH FUNDING

1. Adams K, et al. *Validation of the Roche cobas h 232 Point of Care system for NT-proBNP Determinations Compared to Standard Platform Assay Results Utilized in Guided Therapy of Patients with Heart Failure Start Up Activities.* Roche Diagnostics Corporation, 2012-2020. Biostatistician.
2. Adams K, et al. *Roche POC Substudy of the GUIDE-IT Trial.* Roche Diagnostics Corporation, 2012-2014. Biostatistician.
3. Adams K, Terrell R, Begum N, Garrand A, **Schwartz T.** *Pre-IDE FDA Submission for GUIDE-IT.* Roche Diagnostics Corporation, 2010-2012. Biostatistician.
4. Adams K, Glotzer J, Begum N, Garrand A, **Schwartz T.** *Pilot Study of the Relationship of Ambient Copeptin on the Aquaretic Effects of Tolvaptan in Patients with Heart Failure.* Otsuka America Pharmaceutical, Inc., 2010-2011. Biostatistician.
5. Adams KF. *NT-Pro BNP Guided Strategy for Managing Patients Discharged after Acute Decompensated Heart Failure.* Roche Diagnostics Corporation, 2008-2010. Biostatistician.
6. Adams, KF. *Heart Study.* CoGenesys Inc., 2007-2010. Biostatistician.
7. Adams, KF. *ASCEND-HF.* Cleveland Clinic Foundation, 2007-2010. Biostatistician.
8. Adams, KF. *TARGET-HR Pilot Study to Assess Change in Exercising Heart Rate as a Dosing Strategy for Beta-Blocker Therapy in Patients with Heart Failure Due to Left Ventricular Systolic Dysfunction.* Astra Merck Inc., 2004-2008. Biostatistician.
9. Adams, KF. *Longitudinal Study of Beta Blocker Utilization in Patients with Heart Failure.* Astra Merck Inc., 2001-2008. Biostatistician.
10. Adams, KF. *A Multi-Center Trial of the Orqis Medical CRS for the Enhanced Treatment of CHF Unresponsive to Medical Therapy.* Orqis Medical, 2005-2007. Biostatistician.
11. Adams, KF. *Follow-up Serial Infusions of Natreacor (Nesiritide) for the Management of Patients with Heart Failure-Fusion II.* Scios, Inc., 2004-2006. Biostatistician.
12. Adams K, et al. *A Multi-Center Prospective Observational Heart Failure Registry Study STAMINA-HFP (Study of Anemia in a Heart Failure Population).* Amgen Inc., 2002-2004. Biostatistician.

INTRAMURAL RESEARCH GRANTS COLLABORATIONS (CO-INVESTIGATOR/BIostatistician)North Carolina Translational & Clinical Sciences Institute (NC TraCS/CTSA)

1. Fisher M and Pietrosimone B et al. *Effect of Skeletal Maturity on Biomarkers for Post-traumatic OA after ACL Injury*. TraCS \$5-\$50K grant. 2020-.
2. Allen K, et al. *Precision Medicine to Inform Rehabilitation and Exercise Therapies for Knee Osteoarthritis*. Translational Research Matched Pilot Grants. 2019-2020.
3. Loeser, Jr. RF, Lund PK, Azcarate-Peril MA, Sartor RB, **Schwartz TA**, Ting JP. *The Role of the Microbiome in Osteoarthritis*. Phase I Translational Team Science Award.
4. Toles M, et al. Connect-Home: Transitional Care in Skilled Nursing Facilities. Co-Investigator.
5. Kneipp S, et al. *Applying a Novel, Simulation-Based Dissemination Approach to Increase EBI Adoption Interest*. Dissemination and Implementation Grant. 2014-2015.
6. Beeber L, Meltzer-Brody S, et al. *A UNC-Community Partnership to Enhance Outcomes for Infants and Toddlers with Suspected Disability who are Enrolled in Early Intervention Services*. 2012-2013. Co-Investigator.
7. Talameh J, Patterson JH, Adams KF, McLeod H, Hoskins J, **Schwartz T**. *Association of Genetic Polymorphisms in the Sympathetic Adrenergic and Renin-Angiotensin-Aldosterone Systems with Mortality in Patients with Heart Failure*. \$10K Pilot, 2010-2011. 10KR51038. Co-Investigator.

UNC Clinical Nutrition Research Center/Nutrition Obesity Research Center

8. Hodges E, et al. *Maternal Feeding Responsiveness during Infancy and Toddlerhood*. UNC Clinical Nutrition Research Center/Nutrition Obesity Research Center, 2008-2009. Supported by National Institutes of Health Grant DK056350. Statistician.

UNC Junior Faculty Development Award

9. Hodges E, et al. *Comparison of Patterns of Maternal Feeding Responsiveness and Infant Growth from Infancy into Toddlerhood*. Junior Faculty Development Award, University of North Carolina at Chapel Hill, 2010-2011. Statistician.

UNC School of Nursing

10. Beeber L, Bledsoe S, Perreira K, **Schwartz T**, Lewis V. *Feasibility of Procedures for Screening and Recruitment of Community-Dwelling Mothers*. UNC School of Nursing Faculty Research Opportunity Grant, 2008-2009. Co-Investigator.
11. Thoyre S, et al. *Decreasing the Effect of Variability in a Test of Contingent Feeding of Preterm Infants*. Faculty Research Opportunity Grant, UNC-CH School of Nursing, 2003-2005. Statistician.

SERVICE**GRANT PROPOSAL REVIEW**

<i>Gillings Innovation Laboratory (GIL) Proposal Reviewer</i> Gillings School of Global Public Health University of North Carolina at Chapel Hill	2023
<i>Merit Reviewer</i> Patient-Centered Outcomes Research Institute (PCORI)	2022
<i>Core Center for Clinical Research Pilot and Feasibility Research Grant Program</i> Thurston Arthritis Research Center School of Medicine University of North Carolina at Chapel Hill	2021
<i>Peer Reviewed Medical Research Program Clinical Trial Award</i> US Department of Defense	2018
<i>Gillings Innovation Laboratory (GIL) Proposal Reviewer</i> Gillings School of Global Public Health University of North Carolina at Chapel Hill	2016

JOURNAL EDITORIAL SERVICE

<i>Deputy Editor for Statistics</i> <i>Arthritis Care & Research</i>	2021 – present
<i>Statistical Editor</i> <i>JAMA Surgery</i> (JAMA Network) ▪ <i>Ranked #1 by impact factor (10.7) among surgery journals worldwide</i>	2018 – present
<i>Statistical Editorial Board</i> <i>International Journal of Obesity</i> (Springer Nature) ▪ <i>Impact factor of 5.151 and ranks highly among related journals in the fields of Nutrition & Dietetics (10/81) and Endocrinology & Metabolism (23/143) as of 2019</i>	2019 – present
<i>Associate Editor</i> <i>Journal of Statistics and Data Science Education</i> <i>Section on Statistics Education in the Health Sciences</i>	2020 – 2021

JOURNAL REVIEW

<i>Arthritis Care & Research</i> (Wiley)	2021 – present
<i>JAMA Internal Medicine</i> (JAMA Network)	2020 – present
<i>International Journal of Obesity</i> (Springer Nature)	2020 – present
<i>Clinical Nutrition</i>	2020 – present
<i>BMC Public Health</i> (BioMed Central)	2020 – present
<i>BMC Women’s Health</i> (BioMed Central)	2020 – present
<i>BMC Musculoskeletal Disorders</i> (BioMed Central)	2019 – present
<i>International Journal of Nursing Studies</i> (Elsevier)	2019 – present
<i>American Journal of Nursing</i> (Wolters Kluwer)	2018 – present
<i>Education Research International</i> (Hindawi)	2018 – present
<i>JAMA Surgery</i> (JAMA Network)	2017 – present
<i>PLOS ONE</i> (Public Library of Science)	2017 – present
<i>Scandinavian Journal of Educational Research</i> (Taylor & Francis)	2017 – present
<i>Journal of Biopharmaceutical Statistics</i> (Taylor & Francis)	2017 – present
<i>BMJ Open</i> (BMJ Publishing Group)	2016 – present
<i>BioMed Research International</i> (Hindawi)	2016 – present
<i>Clinical Trials: Journal of the Society for Clinical Trials</i> (Sage)	2015 – present
<i>Studies in Higher Education</i> (Society for Research into Higher Education) (Taylor & Francis)	2015 – present
<i>Statistics in Medicine</i> (Wiley)	2014 – present
<i>Contemporary Clinical Trials</i> (Elsevier)	2014 – present
<i>Journal of Statistics and Data Science Education</i> formerly <i>Journal of Statistics Education</i> (American Statistical Association)	2014 – present

<i>BMC Medical Education</i> (BioMed Central)	2014 – present
<i>Pharmaceutical Statistics</i> (Wiley)	2012 – present
<i>Research in Nursing & Health</i> (Wiley)	2005 – present
<i>BMC Geriatrics</i> (BioMed Central)	2009 – present
<i>Osteoarthritis and Cartilage</i> (OsteoArthritis Research Society International)	2010 – present

EXTERNAL SERVICE

2022 to current	Independent Data Monitoring Committee Clinipace/Priothera FDA and global submission
2023	External Reviewer Review of Dossier for Promotion to Associate Professor in Epidemiology and Population Health
2021	External Reviewer Review of Dossier for Promotion to Associate Professor with Tenure in Biostatistics (adjunct at an Ivy League university)
2021	External Reviewer Review of Dossier for Promotion to Associate Professor (non- tenure track) in Biostatistics and Bioinformatics at a peer university
2021	External Reviewer Review of Dossier for Promotion to Research Associate Professor in Health Services and Outcomes Research
2019	External Reviewer Review of Dossier for Promotion to Research Associate Professor in Nursing at an Ivy League university
2018 to 2020	Independent Data Monitoring Committee Clinipace/Entegriion U.S. Department of Defense
2017 to 2019	Data and Safety Monitoring Board (Member) Analysis of Alternate Light in the Detection and Visibility of Cutaneous Bruises (2016-DN-BX0147) Katherine Scafide, PhD, RN, Principal Investigator Assistant Professor, George Mason University College of Health and Human Services, School of Nursing National Institute of Justice U.S. Department of Justice
2019	Occupation Expert for the occupation of Biostatistician Occupational Information Network (O*NET) (The nation's primary source of occupational information) U.S. Department of Labor

- 2017 Session Chair
 Contributed Papers
 Sponsored by the Teaching Statistics in the Health Sciences
 Section of the American Statistical Association
 Joint Statistical Meetings, Baltimore, MD
- 2016 Session Chair
 Motivating and Teaching Advanced Biostatistical Topics
 Sponsored by the Teaching Statistics in the Health Sciences
 Section of the American Statistical Association
 Joint Statistical Meetings, Chicago, IL
- 2016 *FlipItStatistics* Focus Group
 Macmillan Learning
- 2015 External Reviewer
 Review of Dossier for Promotion to Associate Professor in
 Pharmacy
- 2014 to Present Statistics in Nursing Listserv (Moderator)
 Electronic Listserv of Biostatisticians/Statisticians Working in
 Schools and Colleges of Nursing across the United States
- 2013 to 2016 Data and Safety Monitoring Board (Member)
 Palliative Care in Heart Failure (PAL-HF) Trial
 Duke Clinical Research Institute
 Duke University
 National Institute of Nursing Research
 National Institutes of Health

DEPARTMENTAL SERVICE

- 2016 Peer Teaching Review
 Department of Biostatistics
 Gillings School of Global Public Health
 University of North Carolina at Chapel Hill

STUDENT ORGANIZATION ADVISING

- 2015 to Present Every Nation Campus Ministry (Faculty Adviser)
 University of North Carolina at Chapel Hill

UNIVERSITY COMMITTEE SERVICE

2024	Biostatistics Departmental 75 th Anniversary Organizing Committee (Member) Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2024	Roy Kuebler Award Committee Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2023	Stakeholder Advisement Student Services Ecosystem Continuous Quality Improvement Project Gillings School of Global Public Health University of North Carolina at Chapel Hill
2023 to Present	Mentoring Committee for Kara McCormack (Member) Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2021 to Present	Admission Faculty Committee Master of Applied Data Science and Society School of Data Science in Society University of North Carolina at Chapel Hill
2022 to Present	DrPH Expansion Committee Gillings School of Global Public Health University of North Carolina at Chapel Hill
2021 to Present	Master of Applied Data Science in Society School of Data Science and Society Committee to Establish New Degree, Representative of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2021 to Present	Master's of Public Health Steering Committee (Member) Gillings School of Global Public Health University of North Carolina at Chapel Hill
2021 to Present	Master's of Public Health with Public Health Data Science Concentration Admissions Committee (Member) Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2021 to Present	Graduate Studies Committee Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2021 to Present	Academic Programs Committee Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill

2021 to Present	Scholarship Selection Committee (Member) Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2020 to Present	Chair, Data and Safety Monitoring Committee Promoting Stretching Exercise to Reduce Cardiovascular Health Risk in Late Pregnant Women with Obesity (1R01NR017944-01A1), SeonAe Yeo, PI School of Nursing University of North Carolina at Chapel Hill National Institute of Nursing Research National Institutes of Health
2019 to Present (Chair 2021 to Present)	Public Health Data Science Master's in Public Health Committee (Chair) Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2017 to Present	Mentoring Committee for Annie Green Howard (Member) Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2022 to 2023	Teaching Assistant Professor Search Committee (Chair) Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2016-2018, 2021-present	Awards Committee (Member) Bernard G. Greenberg Alumni Endowment Award Alumni Association Governing Board Gillings School of Global Public Health University of North Carolina at Chapel Hill
2021 to 2022	Awards Committee (Chair) Bernard G. Greenberg Alumni Endowment Award Alumni Association Governing Board Gillings School of Global Public Health University of North Carolina at Chapel Hill
2021	Task Force for Merit Raise Review System Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2014 to 2022	Doctoral Examinations Committee (Associate Chair for applied examination) Applied Examination Subcommittee Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2011 to 2023	Alumni Activities and Social Committee (Chair through 2019, then Member) Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill

2011 to 2022	Biostatistics Section (President) Alumni Association Governing Board Gillings School of Global Public Health University of North Carolina at Chapel Hill
2017 to 2022	Advisory Board (Member) Alumni Association Gillings School of Global Public Health University of North Carolina at Chapel Hill
2013 to 2022	PhD Admissions Committee (Member) School of Nursing University of North Carolina at Chapel Hill
2020 to 2021	Associate Dean for Research Search (Full Professor) Committee (Member) School of Nursing University of North Carolina at Chapel Hill
2020	Clinical-Track Assistant Professor Search Committee (Member) Collaborative Studies Coordinating Center Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2020	Nominating Committee (Member) Alumni Association Advisory Board Gillings School of Global Public Health University of North Carolina at Chapel Hill
2019 to 2020	Fixed-Term Biostatistician Assistant/Associate Professor Search Committee (Member) Division of Pharmacotherapy and Experimental Therapeutics Eshelman School of Pharmacy University of North Carolina at Chapel Hill
2018 to 2019	Tenured Professor Faculty Search Committee (Member) Thurston Arthritis Research Center School of Medicine University of North Carolina at Chapel Hill
2018	Academic Program Committee (substitute departmental representative) Gillings School of Global Public Health University of North Carolina at Chapel Hill
2018 to 2019	Graduate Program Review Committee/Departmental Self-Study Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2018 to 2019	Research-/Clinical-track Assistant/Associate Professor Faculty Search Committee (Chair) Department of Biostatistics School of Nursing (joint) University of North Carolina at Chapel Hill

2019	Associate Director for Recruitment & Admissions Search Committee (Member) Office of Student Affairs School of Nursing University of North Carolina at Chapel Hill
2018 to 2019	Awards Committee (Chair) Harriet Hylton Barr Distinguished Alumni Award Alumni Association Governing Board Gillings School of Global Public Health University of North Carolina at Chapel Hill
2018 to 2020	Written Qualifying Examination Committee (Question Writer and Grader) Division of Pharmacotherapy and Experimental Therapeutics Eshelman School of Pharmacy University of North Carolina at Chapel Hill
2017 to 2020	Applied Practice Experience/Integrated Learning Experience Subcommittee Gillings One Master's of Public Health Steering Committee Gillings School of Global Public Health University of North Carolina at Chapel Hill
2017 to 2020	Practice Advisory Committee Lead, Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2016 to 2018	Nominating Committee (Member) Alumni Association Governing Board Gillings School of Global Public Health University of North Carolina at Chapel Hill
2013 to 2017	Awards Committee (Member) Harriet Hylton Barr Distinguished Alumni Award Alumni Association Governing Board Gillings School of Global Public Health University of North Carolina at Chapel Hill
2018	Laurel Archer Copp Literary Achievement Award Committee (Reviewer) School of Nursing University of North Carolina at Chapel Hill
2014 to 2017	Mentoring Committee for Josephine Asafu-Adjei (Member) Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill
2011 to 2017	Governing Board (Member) Alumni Association Gillings School of Global Public Health University of North Carolina at Chapel Hill
2015 to 2016	Open-rank Faculty Search Committee (2 positions) (Member) Collaborative Studies Coordinating Center Department of Biostatistics University of North Carolina at Chapel Hill

2008 to 2014	<p> Doctoral Examinations Committee (Member) Applied Exam Subcommittee Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill </p>
2013 to 2014	<p> Research-track Assistant/Associate Professor Search Committee (Member) Department of Biostatistics School of Nursing (joint) University of North Carolina at Chapel Hill </p>
2012	<p> Clinical- or Research-track Assistant Professor Search Committee (Member) Department of Biostatistics Carolina Population Center/Department of Nutrition University of North Carolina at Chapel Hill </p>
2011 to 2013	<p> Alumni Support Committee (Member) Alumni Association Gillings School of Global Public Health University of North Carolina at Chapel Hill </p>
2011	<p> Biostatistics Section of the Alumni Association (President-Elect) Gillings School of Global Public Health University of North Carolina at Chapel Hill </p>
2006 to 2013	<p> Doctoral Admissions Committee (Member) School of Nursing University of North Carolina at Chapel Hill </p>
2006 to 2011	<p> Alumni Activities and Social Committee (Member) Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill </p>
2008 to 2009	<p> Biostatistics Departmental 60th Anniversary Organizing Committee (Member) Gary Koch Festschrift Subcommittee Department of Biostatistics Gillings School of Global Public Health University of North Carolina at Chapel Hill </p>
2007 to 2008	<p> Research-track Assistant Professor Search Committee (Member) Research Support Center School of Nursing University of North Carolina at Chapel Hill </p>
2006 to 2008	<p> Doctoral Examinations Committee (Member) PhD Part II and DrPH Subcommittee Department of Biostatistics School of Public Health University of North Carolina at Chapel Hill </p>
2006 to 2008	<p> Ad Hoc Committee for MSN Statistics/Research Course Revision (Member) Master's Executive Committee School of Nursing University of North Carolina at Chapel Hill </p>

- 2006
Research-track Assistant Professor Search Committee (Member)
Department of Biostatistics
School of Public Health
and Center for Health Promotion and Disease Prevention
University of North Carolina at Chapel Hill
- 2001 to 2006
Alumni Activities and Placement Committee (Member)
Department of Biostatistics
School of Public Health
University of North Carolina at Chapel Hill
- 1998 to 1999
Tenure-track Assistant Professor Search Committee (Student member)
Department of Biostatistics
School of Public Health
University of North Carolina at Chapel Hill