

MELINDA K. (DENNY) HIGGINS, PHD
Research Professor
Nell Hodgson Woodruff School of Nursing
Emory University
Telephone: 404-727-5180
Email: melinda.higgins@emory.edu

Education

Dates	Institution and Location	Degree (<i>major</i>)
1985 - 1989	Saint Andrews Presbyterian College, Laurinburg, NC	BS (<i>Double Major: Math and Chemistry</i>)
1989 - 1994	University of South Carolina, Columbia, SC	PhD (<i>Chemometrics/Analytical Chemistry</i>)
1994 - 1995	University of South Carolina, Columbia, SC	MS (<i>Statistics</i>)

Licenses and Certifications

Date	Certification
1998	Project Director (<i>Georgia Tech Research Institute</i>)
1997-2012	SECRET Security Clearance (<i>Georgia Tech Research Institute</i>)
2001-2012	TOP SECRET (SCI/DCID 6/4) Security Clearance (<i>Georgia Tech Research Institute</i>)

Honors and Awards

Year	Award
2018	ASA Award for Outstanding Chapter Service
1995	First Place Annual Student Paper Competition SC Chapter of the American Statistical Association
1994	Mu Sigma Rho (Statistical Honor Society), Inducted
1994	Professional Women on Campus Award for an Outstanding Paper by a Woman Graduate Student, University of South Carolina, Columbia, SC
1989	Mobay Fellowship, University of South Carolina, Columbia, SC
1989	Inducted into Alpha Chi (Chemical Honor Society)

Professional Positions

Dates	Position	Institution
08/2021 - current	Director Biostatistics and Data Core – Office of Nursing Research	Emory University
04/2019 - current	Research Professor	Emory University
04/2007 - 03/2019	Associate Research Professor	Emory University
07/2005 - 01/2011	Principal Research Scientist	Georgia Tech Research Institute
07/2000 - 06/2005	Senior Research Scientist	Georgia Tech Research Institute
02/1996 - 06/2000	Research Scientist II	Georgia Tech Research Institute
10/1995 - 01/1996	Temporary Technical Advisor	Georgia Tech Research Institute

08/1994 - 09/1995	Professor of Record (Statistics 201)	University of South Carolina
08/1989 - 07/1994	Teaching Assistant, Honors Chemistry	University of South Carolina
08/1989 - 07/1994 01/1990 - 07/1994	Graduate Research Assistant Assistant Instructor (<i>Experimental Design for Productivity and Quality in Research and Development and Manufacturing Short Course</i>)	University of South Carolina Statistical Designs
08/1988 - 05/1989 06/1986 - 08/1989	Statistical Research Consultant Laboratory Assistant	Waverly Mills Georgia Tech Research Institute

Scholarship: Grants and Other Funding

Research Grants Under Review

Midwife-led Pregnancy Care for Birthing People Attending an HBSU Obstetric Service (PI: Nicole Carlson)

(Morehouse School of Medicine, 10%, Co-investigator, 2025-04-01 to 2030-03-31)

3Proactive AI-Driven Management and Optimal Triage with Fairness and Precision for (PI:Ran Xiao)

(NIH, 1%, Co-investigator, 2025-04-01 to 2030-03-31)

TRANSPiRE - Transgender Women in the United States: Investigating Pathways to Health (PI: Athena Sherman)

(NIH, 5%, Co-investigator, 2025-04-01 to 2030-03-31)

FOODVITAL: Understanding the Vital Relationships Between Social Determinants of (PI: Athena Sherman)

(NIH, 5%, Co-investigator, 2025-04-01 to 2030-03-31)

Technology-based dyadic intervention for improving symptom management and advancing (PI: Yufen Lin)

(Cancer Institute, 5%, Co-investigator, 2025-07-01 to 2030-06-30)

Cardiometabolic Health and Neighborhood Characteristic Evaluation Study in (PI: Foster Osei Baah)

(NIH, 4%, Co-investigator, 2025-07-01 to 2028-06-30)

Multi-Site Feasibility Clinical Trial of a Virtual Reality Intervention for Home-based (PI:Nadine Matthie)

(NIH, 5%, Co-investigator, 2025-07-01 to 2028-06-30)

Multimodal Intelligent Agent-facilitated Dietary Assessment Tool for Cancer Research (PI: Runze Yan)

(NIH, 3%, Co-investigator, 2025-07-01 to 2028-06-30)

The WATCH-PATH Trial (PI: Jacob Kariuki)

(NIH, 5%, Co-investigator, 2025-12-01 to 2030-11-30)

Research Grants Funded

Testing CBTi on Dyadic Sleep in Dementia: A Randomized Control Trial (PI: Glenna Brewster)

(NIH, 10%, Co-investigator, 2026-01-05 to 2030-12-31)

Interactive Voice-Assisted Self-Management Systems with Low-Income Older Adults (PI: Jane Chung)

(UC-Davis [A20-2995-S068], 5%, Co-investigator, 2024-08-01 to 2026-6-30, total costs \$313,133)

Developing a Primary Care Algorithm for Black American Dyads/Families (PI: Kalisha Bonds-Johnson)

(Alzheimer's Association [24HPE-1284978], 1%, Co-investigator, 2024-12 to 2026-11, total costs \$235,249)

Hermanas de Corazón: A Community Health Worker Initiative for improving Heart Health (PI: Erin Ferranti/Ursula Kelly)

(NIH [R01NR021664], 5%, Co-investigator, 2024-09-19 to 2029-05-31, total costs \$3,794,297)

Roybal Center for Dementia Family Caregiver Mastery (PI: Hepburn/Perkins)

(NIH [P30AG064200], 5%, Co-investigator, 2024-08-15 to 2029-05-31, total costs \$5,853,701)

Impact of seizure onset pattern on temporal lobe seizure propagation through the basal ganglia (PI: Annaelle Devergnas)

(NIH [R01NS136529], 10%, Co-investigator, 2024-09-01 to 2029-07-31, total costs \$674,409)

Using AI on Routine Clinical and Imaging Data from Acute Stroke Encounter to Predict Post-Stroke Vascular Contributions to Cognitive Impairment (AI - RESPECT) (PI: Xiao Hu)

(NIH [RF1NS139325], 10%, Co-investigator, 2024-09-01 to 2027-07-31, total costs \$2,340,263)

Trauma-informed data science to prevent intimate partner violence among pregnant and postpartum women (PI: Sangmi Kim/Ran Xiao)

(NIH [R25NR021324], 10%, Co-investigator, 2024-08-01 to 2026-07-31, total costs \$433,722)

Caregiver as Navigator-Developing Skills Online (CAN-DO): Developing Dementia Family Caregiver Mastery for Navigating Complex Health, Social Service, Legal, Financial, and Family Systems (PI: Carolyn Clevenger/Kenneth Hepburn)

(NIH [R01 AG082833], 10%, Co-investigator, 2023-09-01 to 2028-05-31, total costs \$3,518,541)

Caregiving While Black-LIVE: Empowering Black Dementia Caregivers to Navigate Care (PI: Fayon Epps)

(NIH [R21 AG083366], 3%, Co-investigator, 2023-09-01 to 2025-08-31, total costs \$430,375)

Novel Algorithm and Data Strategies to Detect and Predict Atrial Fibrillation for Post-Stroke patients (NADSP) (PI: Hu, Xiao)

(NIH [R01HK166233], 10%, Co-investigator, 2023-03-01 to 2027-02-28, total costs \$3,807,538)

Caregiving while Black: Optimizing Outcomes for Black Dementia Caregivers (PI: Epps, F.)

(University of California Davis / Betty Irene Moore Fellowship for Nurse Leaders and Innovators, 3%, Co-investigator, 2022-07-01 to 2025-06-30, total costs \$500,000)

Early risk factors of accelerated neural aging trajectories and cognitive decline: A nonhuman primate longitudinal model (PI: Sanchez)

(Oregon Health & Science University/NIH [R01AG070704], 5 %, Co-investigator, 2021-08-01 to 2026-04-30, total costs \$5,594,491)

Georgia Center for Diabetes Translation Research Renewal (PI: Venkat-Narayan, K.)

(NIDDK [2P30DK111024], 4 %, Co-investigator, 2021-07-01 to 2026-07-31, total costs \$3,956,934)

Biologic Mechanisms of Labor Dysfunction: A Systems Biology Approach (PI: Carlson, N.)

(NINR [R01NR019254], 8 %, Co-investigator, 2021-08-01 to 2026-05-31, total costs \$1,842,321)

Combustion of plastic waste and human health effects in Guatemala (PI: Thompson, L.)

(NHLBI [R01ES032009], 3 %, Co-investigator, 2021-08-01 to 2026-05-31, total costs \$2,609,412)

NIA AD/ADRD Health Care Systems Research Collaboratory Pilot Pragmatic Clinical Trial to Embed Tele-Savvy into Health Care Systems - Subcontract University of Connecticut Health Center (PI: Hepburn, K.)

(NAIG [U54AG0635]/University of Connecticut, 3 %, Co-investigator, 2021-08-01 to 2022-06-30, total costs \$68,358)

Early Life Stress, Chronic Drug Use and Neuroplasticity in Nonhuman Primate Models of Cocaine Abuse: Relevance to Treatment Strategies (PI: Sanchez)

(NIDA [R01 DA052909-01A1], 5 %, Co-investigator, 2021-04-01 to 2026-03-31, total costs \$4,333,744)

Roybal Translational Research Center to Promote Context-Specific Caregiving Mastery for Informal Caregivers of Community-Dwelling Persons Living with Alzheimer's Disease or Related Disorders [SUPPLEMENT] (PI: Hepburn, Kenneth)

(NIH, 10 %, Co-investigator, 2020-03-15 to 2022-05-31, total costs \$172,773)

Yoga for female veterans with PTSD symptoms and military sexual trauma exposure (PI: Higgins, Melinda)

(US Dept of Veterans Affairs (VANAP/ IPA), 6 %, PI, 2020-10-01 to 2021-04-30, total costs \$33,372)

Asynchronous Distributed Multielectrode Neuromodulation for Epilepsy (PI: Gross)

(NINDS, 2 %, PI, 2016-09-30 to 2023-03-30, total costs \$4,773,377)

Roybal Translational Research Center to Promote Context-Specific Caregiving Mastery for Informal Caregivers of Community-Dwelling Persons Living with Alzheimer's Disease or Related Disorders (PI: Hepburn, Kenneth)

(NIH [P30AG064200], 10 %, Co-investigator, 2019-09-15 to 2024-05-31, total costs \$3,662,804)

Developing a Distance Education System to Train Savvy Caregiver Program Interventionists: Extending Access and Capacity in Community-Based Delivery of Evidence-Based Interventions (PI: Hepburn, Kenneth)

(NIH [R01AG061971], 7.5 %, Co-investigator, 2018-09-30 to 2023-05-31 (05/2023 NCE pending), total costs \$2,146,377)

Testing Tele-Savvy, an On-line Psychoeducation Program for Informal Alzheimer's Caregivers (PI: Hepburn, Ken/Griffiths, Patty)

(NIH/NIA [1R01AG054079], 10 %, Co-investigator, 2016-08-01 to 2020-04-30, total costs \$2,888,028)

Yoga for female veterans with PTSD symptoms and military sexual trauma exposure (PI: Higgins, Melinda)

(US Dept of Veterans Affairs (VANAP/ IPA), 5 %, PI, 2016-06-01 to 2020-05-31, total costs \$33,372)

Early Life Stress and Adolescent Cocaine Abuse (PI: Sanchez, M. & Howell, L.)

(NIH-NIDA, R01 DA038588, 5 %, Co-investigator, 2014-09-30 to 2020-07-31, total costs \$754,410)

Stress and Obesity Synergize to Impair Neurobehavioral Development in Females (PI: Wilson, M. & Sanchez, M.)

(NIH-NICHD, R01 HD077623, 5 %, Co-investigator, 2013-07-10 to 2018-06-30, total costs \$723,535)

Audio Music Self-Management Program to Improve Antiretroviral (ART) Adherence in Rural GA (PI: Holstad, Marcia)

(NIH, R01 NR012923, 10 %, Co-investigator, 2012-09-01 to 2017-11-30, total costs \$656,958)

Defining a PD-specific breath fingerprint of underlying inflammatory and neurodegenerative processes (PI: Tansey, Malu)

(Michael J. Fox Foundation, 10 %, Co-investigator, 2015-11-01 to 2017-10-31, total costs \$270,925)

The Living Well Project: Early Palliative Care and Motivational Interviewing for Persons with AIDS (PI: Holstad, Marcia)

(NIH, R01 NR014054, 5 %, Co-investigator, 2012-09-27 to 2017-06-30, total costs \$468,000)

Maternal Stress and Obesity Alter Milk Immunobiology and Impair Infant Growth (PI: Ethun, Kelly)

(NIH/NICHHD [1R21HD079969], 5 %, Biostatistician, 2017-01-01 to 2017-03-31, total costs \$490,875)

Characterization of Heat-Related Illness in Central Florida Farmworkers (PI: Mac, Valerie)

(NIH-NINR, 5F31NR014611, 0 %, Biostatistician Advisor, 2013-12-01 to 2016-11-30, total costs \$42,232)

Sustaining Factors and Interventional Strategies for Emotional Feeding in Females (PI: Wilson, Mark)

(NIH, R01 DK096983, 5 %, Co-investigator, 2013-04-17 to 2016-03-31, total costs \$712,765)

Caregiver Stress: Interventions to Promote Health and Wellbeing (PI: Bauer-Wu, Susan)

(NIH-NINR, P01 NR011587, 20 %, Co-investigator, 2009-09-30 to 2015-07-31, total costs \$650,663)

Fluid Restriction Effects and Economics in Heart Failure (FREE-HEART) (PI: Reilly, Carolyn)

(AHA, 10SDG3720048, 5 %, Co-investigator, 2010-07-01 to 2015-06-30, total costs \$306,006)

Neonatal Programming of Growth and Maturation in Rhesus Monkeys (PI: Muir, Andrew B.)

(NIH-NICHHD, R21 HD075264, 5 %, Co-investigator, 2013-06-15 to 2015-05-31, total costs \$267,748)

African Health Workforce Project (PI: Rogers, Martha)

(Association of Schools of Public Health, S5033, 5 %, Biostatistician, 2013-08-15 to 2014-08-14, total costs \$456,354)

Pilot study to examine the contribution of a calculated three-dimensional radiation therapy (RT) dose distribution on the development of significant CVD events (PI: Reilly, Carolyn)

(RTOG, 2.5 %, Co-investigator, 2013-10-01 to 2014-05-31, total costs \$49,973)

Pregnancy Health Among Florida Farmworkers (PI: McCauley, Linda)

(Centers for Disease Control (CDC), 5R21OH009830, 5 %, Biostatistician, 2009-09-01 to 2013-08-31, total costs \$331,280)

Cost Effectiveness and Quality of Life in Heart Failure Patients with Diabetes (PI: Dunbar, Sandra)

(NIH/NINR, R01NR011888, 10 %, Co-investigator, 2009-09-29 to 2013-07-31, total costs \$462,938)

Psychoneuroimmune Contributions to Postpartum Depression (NIH) (PI: Corwin, Elizabeth)

(NIH, R01 NR011278, 15 %, Biostatistician, 2012-01-01 to 2013-06-30, total costs \$295,251)

Neurobiology of increased vulnerability to social stressors during adolescence (PI: Wilson, Mark)

(NIH/NIMH, 1R01 MH079100, 10 %, Biostatistician, 2008-04-01 to 2013-03-31, total costs \$1,468,315)

Psychosocial disruption of estrogen action on behavior (PI: Toufexis, Donna)

(NIH/NIMH, 1R01 MH081816, 5 %, Biostatistician, 2009-05-01 to 2013-02-28, total costs \$634,396)

A Pilot Analysis of Late-Prematurity and Birth History in Children with Autism (CHOA) (PI: Darcy, Ashley)

(Childrens Healthcare of Atlanta, 2 %, Biostatistician, 2011-11-01 to 2012-10-31, total costs \$24,992)

Prevalence and Correlates of Human Papillomavirus (HPV) Vaccination in Rural Areas (PI: Thomas, Tami)

(Robert Wood Johnson Foundation, 67983, 2 %, Biostatistician, 2010-10-01 to 2012-09-20, total costs \$133,543)

Nursing Care Interactive to Improve CMS Indicators (PI: Hepburn, Ken)

(Healthcare Interactive, AG023451, 10 %, Biostatistician, 2011-11-15 to 2012-08-31, total costs \$77,035)

CCD Statistical Modeling for the Chemical Companion (PI: Higgins, Melinda)

(Georgia Tech Research Institute, 25 %, PI, 2011-06-20 to 2011-10-30, total costs \$14,621)

The Kenya Health Workforce Project (PI: Rogers, Martha)

(Assoc. of School of Public Health, S3800-26/28, 5 %, Biostatistician, 2002-09-28 to 2011-09-27, total costs \$93,1000)

Improving Self Management and Outcomes in HF Patients with Diabetes (PI: Dunbar, Sandra)

(NIH/NINR, 1R21NR011204, 2.5 %, Biostatistician, 2009-09-01 to 2011-08-31, total costs \$426,250)

An Audio Music Self Management Adherence Program (PI: Holstad, Marcia)

(NIH, 5R21NR01086202, 2.5 %, Biostatistician, 2008-04-11 to 2011-06-30, total costs \$425,938)

Prevent and Reduce Adverse Health Effects of Pesticides on Indigenous Farmworkers (PI: McCauley, Linda)

(Oregon Law Center/NIH Subcontract, 1R24MD002798, 7 %, Biostatistician, 2009-04-01 to 2011-03-31, total costs \$96,598)

The Emory Alzheimer's Disease Center (PI: Levey, Allen)

(NIH/NIA, 50AG025688, 5 %, Biostatistician, 2005-06-01 to 2010-04-30, total costs \$1,752,141)

A Family Partnership Intervention for Heart Failure (PI: Dunbar, Sandra)

(NIH/NINR, R01 NR008800, 5 %, Biostatistician, 2004-06-01 to 2009-11-30, total costs \$2,391,456)

Center for research on Symptoms, Symptom Interactions, and Health Outcomes (Pilot Award) (PI: Parker, Kathy)

(NIH/NINR, P20NR07798, 14 %, Biostatistician, 2008-07-01 to 2009-06-30, total costs \$987,194)

Integrated Statistical Framework for Assessing Symptom Clusters and Interactions (PI: Higgins, Melinda)

(Emory University 5-32895, 11 %, PI, 2008-05-13 to 2009-06-30, total costs \$5,000)

Educational, Training, and Program Grants Under Review

Chemotherapy Induced Peripheral Neuropathy in Black Women after Chemotherapy Treat (PI: La-Urshalar B. Brock)

(NIH, F31, 0 %, Mentor, 2025-04-01 to 2027-03-31)

Maternal Heart Rate Variability: Evaluating longitudinal Trends and associations w (PI: Renee Byfield)

(NIH, F31, 0 %, Mentor, 2025-07-01 to 2027-06-30)

Educational, Training, and Program Grants Funded

A Behavioral Intervention to Reduce Psychological Distress Symptoms among Black Gender Minority Women Experiencing Chronic Stigma (PI: Sherman, A.)

(NIH, K23NR020208, 0 %, Mentor, 2021-09-01 to 2024-08-31, total costs \$482,352)

Training in Interventions to Improve Outcomes in Chronic Conditions (PI: Dunbar, Sandra)

(NIH, T32NR012715-08, 0 %, Mentor, 2018-07-01 to 2023-06-30, total costs \$155,877)

Hypertensive Medication Adherence in Young African American Women (PI: Spikes, Telisa)

(NIH, F31NR017348, 0 %, Mentor, 2018-04-01 to 2020-03-31, total costs \$164,666)

Funded Studies @ Emory Healthcare (98 nurse-led Emory Magnet Research Projects)

Hospital Abbreviations: EUH (Emory University Hospital); EUHM (Emory University Hospital - Midtown); ESJH (Emory Saint Joseph Hospital); EJCH (Emory Johns Creek Hospital); EUOSH (Emory University Orthopedic and Spine Hospital); TEC (The Emory Clinic); EHC (Emory Healthcare); EDH (Emory Decatur Hospital)

Date	Title	Hospital	Nursing PI
2025	Relationship of Select Structural Variables and Patient Outcomes	EHC	Rob Boesch; Sharon Pappas; Roberta Kaplow
2025	Activities Performed by Nurse Scientist	EHC	Roberta Kaplow
2025	Validation of Ambulatory Leader Nurse Span of Control Tool	Winship HMO Clinics	Erin Peone and Monique Bouvier
2024	Impact of 'Commit to Sit' on Patient Satisfaction/Communication with Nurses on an Inpatient Complex Medical Unit: A Prospective Interventional Study	EUH	Felcy Tauro and Roberta Kaplow
2024	Effect of Coloring on Stress Levels of Nurses in the Acute Care Setting	EUH	Roberta Kaplow, Polly Willis, Sérgio Mota
2024	A Cross-Sectional Evaluation of Socio-Demographic Factors that Impact Patient Satisfaction with Discharge Information	EUH	Roberta Kaplow, Polly Willis, Georgia Jackson,
2024	Efficacy of Fast Track on Patient Outcomes and Satisfaction in the Emergency Department	EUH	Roberta Kaplow, Brian Locastro
2024	Assessing the Efficacy of Postoperative Phone Calls on Patient Outcomes and Satisfaction	EUH	Roberta Kaplow, Rachel Meyer
2024	Efficacy of Cohorting Patients Who Are Undergoing an Endoscopic Procedure on First Case On-Time Starts, Turnover Times, and Transport Request Times	EUH	Roberta Kaplow, Eli Ebrahimdoost]
2024	An Exploration of the Impact of Bedside Shift Report on Patient Communication with Nurses and Nurses' Perceptions of Bedside Shift Report: A Mixed Methods Study	EUH	Roberta Kaplow and Polly Willis
2024	Efficacy of an Admission, Discharge, Transfer (ADT) RN on Hospital Length of Stay, Patient Satisfaction with Knowledge of Medications Upon Discharge, Nurse Satisfaction with the ADT RN, and Incidence of 'Never Events'	EUH	Roberta Kaplow and Amber Morandini]

2024	Effect of Nurse Attire on Patient and Family Nurse Trust	EUH	Roberta Kaplow; Polly Willis; Robert Boesch; Sharon Pappas
2024	Nurses' Pain Knowledge and Attitude Survey: A Multi-Site Cross-Sectional Study	EUH	Noreen Peyatt; Roberta Kaplow
2024	EUH Discharge - DEI segmentation, key driver report	EUH	Roberta Kaplow, Polly Willis
2024	A Comparison of Thirst Management Strategies in Patients in the Intensive Care Unit	EUH	Kathleen Diatta and Roberta Kaplow
2023	Workforce Civility	EHC	Mary Gullatte
2023	Nursing Research - EBP Reviews and Meetings	EHC	Mary Gullatte
2023	"The PLAN" data on nurse turnover - results review and support for AONL 2023	EUOSH, EUH	Millie Sattler, Monique Bouvier
2023	Micro Practices for Stress Management in Healthcare Employees	EUH	Jodie Smith, Divya Gupta, Martha Boudreau, Aileen Zhao
2023	A Comparison of Thirst Management Strategies in Patients in the Intensive Care Unit	EUH	Kathleen Diatta, Roberta Kaplow
2023	Impact of 'Commit to Sit' on Patient Satisfaction/Communication with Nurses on an Inpatient Complex Medical Unit: A Prospective Interventional Study	EUH	Felcy Tauro, Roberta Kaplow
2023	Efficacy of ClearGuard™ HD Caps to Reduce the Incidence of CLABSIs: An Equivalency Study	EUH	Roberta Kaplow, Hallie Marino, Mylinh Yun, Jessica Tarabay
2023	Impact of Orthostatic Vital Sign Assessment on Preventing Patient Falls: A Retrospective Study	EUH	Roberta Kaplow, Christi Bell, Melanie Maloney
2023	Initial Efficacy and Feasibility of the Use of Weighted Blankets to Reduce Agitation among Ventilated ICU Patients	ESJH	Sampath Gayathri, Dinah Steele
2023	Alternative staffing, regarding the use of LPNs in acute care (pre-post analysis)	EUH	Lisa Reif; Roberta Kaplow; Greg Kingsley-Mota

2023	An International Comparison of Staff Perceptions of Shared Governance (EUH and UKE in Hamburg, Germany)	EUH	R. Kaplow
2022	COVID ICU - DEI Data Analysis	EUH	R. Kaplow
2022	Mixed Methods - LEP for Korean and Spanish patients		Adrienne Harris, Maria Fernandez
2022	The Role of Rhythmic Breathing in Stress Reduction for Clinical Nurses	EJCH, EUHM	Vivienne Martin and Rajitha Bommakanti
2022	Infection Prevention and Control Coordinator: Sample Size Discussions	EUH	Mylinh Yun
2022	Emory Decatur Labor Support program	EDH	Rose Laure Horton
2022	Increasing Breastfeeding Exclusivity by Improving Skin-to-skin Contact of Newborns	EUHM	S. George
2021	Relationships among Select Comorbidities, Duration of Mechanical Ventilation, Treatment Modalities, Length of Hospital Stay, and Patient Survival in Patients with COVID-19 who Require Extracorporeal Membrane Oxygenation (ECMO)	EUH	R. Kaplow, C. Miller
2021	COVID-19 Unit Data – Survival, Organ Failure and Ventilation Characteristics and Comparisons	EUH	R. Kaplow
2021	Nurse and Patient Assessments of Discharge Readiness and Utilization of Post Discharge Health Services	EUOSH	D. Wittig-Wells
2021	Missed Nursing Care	EDH, EJCH	M. Baird, S. Slusher
2021	Meeting the Mental Health Needs of Emory Healthcare Workers in the COVID-19 Pandemic with the Community Resiliency Model	EHC, EDH	L. Grabbe; M. Baird
2021	Evaluating Emory COVID Vaccinations	EUH	R. Schneider; R. Amar
2020	Mortality and Morbidity Outcomes of COVID-19 Patients	EUH	R. Kaplow
2020	Exploration of Compassion Fatigue Among Healthcare Team Members	EHC	E. Gwibuka
2020	Impact of Quality of CPR on Patient Outcomes in In-hospital Cardiopulmonary Arrest	EUH	R. Kaplow
2020	Embrace Refugee Birth Support, a program of Friends of Refugees	Emory-Decatur	E. Mosley
2020	The impact of structured nurse-surgeon bedside rounds on percent	EHC	A. Harris
2019	Impact of the Pause on Quality Outcomes for ICU Clinicians	EHC	T. Cunningham
2019	Discharge Readiness after TKA	EUOSH	D. Wittig-Wells

2019	Resiliency Training for Front-Line Care Providers	EHC	L. Grabbe
2019	The impact of implementing a nurse communication competency protocol incorporating AIDET® on the communication with nurses HCAHPS scores.	EUH	G. Jackson
2019	Nurses' Perception of Telemedicine Adoption in the Intensive Care Unit Setting	EUH	R. Kaplow
2019	Cardiopulmonary Resuscitation (CPR) Compliance Using Audio-Visual Feedback	EUH	M. Boudreau
2019	Global Health Dept of surgery SC database 2013 to 2019	EHC	M. Gullatte
2019	EBP Data - Analyses	EUH	M. Gullatte
2019	OB Drill Team	EUHM	B. Green
2018	Impact of a Structured Nap on Fatigue for Registered Nurses Scheduled to Work Twelve Hour Night Shifts in an Orthopedic Hospital	EUOSH	D. Wittig-Wells
2018	The Effect of Participating in a Multi Site Quality Initiative on Nurses Self Efficacy recognizing post partum hemorrhage (PPH)	EUH	C. Wollenhau
2017	An Exploratory Study on the Effectiveness of IPCE Learning on Practice (PEPO)	EUH, EUHM	M. Gullatte, S. Toney, T. Quest
2017	ICU Caring Attitudes The Impact of Patient and Family Advisors on Critical Care Nurses' Caring Attitudes	EUH	P. Cosper, R. Kaplow
2017	RCT of a Natural Food-based Fiber Solution To Prevent Constipation in Postoperative Spine Fusion Patients	EUOSH	D. Winterboer, P. Sapp
2017	Impact of a Smartphone App Reminder on Adherence Aspirin Prescribed as Anti-Thrombotic Therapy	EUOSH	D. Wittig-Wells
2017	Effect of learning preference on development of clinical judgment among associate degree nursing students in a virtual simulation environment	EUH	J. Bailey
2017	Community Resiliency Model Training to Improve the Mental Well-Being of Nurses	EUH	L. Grabbe
2017	Ambulatory Infusion Center Research Study	EUH	C. Mapp
2017	The Feasibility of Adapting a Critical Care Progressive Mobility Protocol for Acute Care	ESJH	M. Tennant
2016	Use of Quease-EASE to Ameliorate Post-Operative Nausea and Vomiting	EUH	P. Regan, A. Butler
2016	Assessing the Effect of Video-assisted Secondary Stroke Education during the Recovery Period in Patients on an Inpatient Neuroscience Unit: Stroke Education Retention - Video Effect (SERVE)	EUH	D. Hall, R. Kaplow

2016	Missed Nursing Care Improvement Strategies: Implications for Patient Safety	EUHM, ESJH, EJCH	A. Lewis, M. Baird
2016	Wellness and Well being for Hospital-Based Nurses Short Title: Wellness for Nurses	EUH, EUHM	L. Grabbe, A. DeGirolamo
2016	What is the effect of skin-to-skin on the duration of phototherapy required to reduce bilirubin levels in term newborns diagnosed with hyperbilirubinemia?	EUHM	S. George
2016	Hypoglycemia in late preterm infants.	EUHM	S. George, I. Holmquistova
2016	EICU/Emergency Department Collaborative - eICU beds utilization and patient outcomes	EUHM	M. Anderson
2016	RCT of a Structured, DVD Educational Program for Newly Diagnosed Cancer Inpatients and Family Members	EUH	B. Bowden, R. Spinks
2016	Impact of Quality of CPR on Patient Outcomes in In-hospital Cardiopulmonary Arrest	EUH	P. Cospers
2016	The CNS as a Researcher: Review of Concepts	EUH	S. Shapiro, R. Kaplow
2015	CPOT (Critical Care Pain Observation Tool	EUH, EUHM	N. Peyatt
2015	Decreasing Bedside Monitor Nuisance Alarms in a Medical Critical Care Unit	EUHM	A. Brantley
2015	Randomized Clinical Trial of 24 % Oral Sucrose to Decrease Pain Associated with Peripheral Intravenous Catheter Insertion in Preterm and Term Newborns	EUHM	L. Cook
2015	Comparison of Early versus Usual Discharge Planning on Timely Discharge and Patient Satisfaction	EUHM	S. Gabriel
2015	Pain Management in Outpatient Surgical Patients: Scripting, Self-Reported Pain, and Patient Satisfaction	ESJH	K. Mullinax
2015	EUH Perioperative Services Research Collaborative	EUH	L. Bottoms
2014	A Randomized Controlled Trail of the Preliminary Impact of a Pre-Set Telephone Reminder on Medication Adherence in Adults Prescribed Aspirin as Anti-Thrombotic Therapy after Total Joint Replacement Surgery	EUOSH	D. Wittig-Wells
2014	Implementation of a Direct Phone Call Education Program to Increase Patients' Direct Calls To Caregivers for Needs / Requests Received	EJCH	G. Tepei, P. Victor
2014	Impact of a Pediatric Early Warning Score (PEWS) on Nurse Self-Efficacy in a Community Hospital	EJCH	J. Colborn

2014	What are the Effects on the Patients' Recovery of Eliminating Routine Nighttime Vital Signs on a Population of Stable Post-Op Patients?	EUOSH	D. Wittig-Wells
2013	Comparison of routes for temperature monitoring in oncology patients	EUH	D. Gates
2013	An experimental design study of the effect of a cool washcloth plus peppermint essential oil (Mentha piperita) versus a cool washcloth alone on the intensity of nausea response in patients receiving chemotherapy in the outpatient setting (POCW)	TEC	C. Mapp
2013	Impact of a Focused Approach for Discharge Teaching regarding the use of Aspirin as Anticoagulant after Joint Replacement Surgery	EUOSH	D. Wittig-Wells
2013	Relationship between amount of post-op ambulation and return of bowel function in patients undergoing major abdominal surgery.	EUH	P. Swindall
2013	Use of Chlorhexidine for the Prevention of Catheter Associated Urinary Tract	EUH	M. Tennant
2013	Cryotherapy as a Nonpharmacologic Intervention for Pain Management After Total Knee Replacement	EUOSH	I. Johnson, D. Wittig-Wells
2013	Pilot Test of Extended Wear Carrier for Liquid Deodorants Used in an Ostomy Pouch	EUH	S. Shapiro
2013	Symptom Intensity and Satisfaction with Symptom Management in Hematopoietic Stem Cell Transplant Patients	EUH	A. Fels
2012	Does structured education improve knowledge of fluid restriction management for patients in CCU?	EUH	M. Boudreau
2012	Improving patient education for newly diagnosed lymphoma and acute leukemia inpatients	EUH	C. Day
2012	Hemodynamic monitoring: A Comparison of Parameters in Code MET in Acute Care Hospital	EUH	M. Still, S. Shapiro
2012	The Relationship between Non-surgical Pain and Activity in Patients undergoing a Total Knee Arthroplasty	EUOSH	D. Wittig-Wells
2011	Patients' Experiences of Pain in Total Knee Arthroplasty	EUOSH	D. Wittig-Wells
2011	Ventilator Assisted Pneumonia (VAP) Rates	EUHM	S. Shapiro
2011	Heal Well - Lighting Designs	EUH	S. Shapiro
2011	PCORI - Developing a measure of patient engagement at the time of hospital discharge	EUH	S. Shapiro
2010	Re-warming Newborn after First Bath: A Non-Randomized Clinical Trial	EUHM	S. George

2010	The Impact of Brief Swedish Massage on Quality and Quantity of Sleep in Post-Stroke Acute Rehabilitation Patients	EUH	D. McCune
2010	Evidence-Based Management: Leveraging Float Pool Data to Manage Short and Long Term Unit Staffing	EUH	S. Shapiro

Funded Contracts [38 contracts as Program Manager, PI and co-PI = \$17,069,870.52]

(Department of Defense (DOD) and Related Contracts @ Georgia Tech 1996-2011)

GRR&GRT (Radios) Sustainability (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEZ21076812
(co-PI, \$4,049,038.46, 2006-12-01 to 2009-05-31)

MECOG 2008 work (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4QAZ21086801
(co-PI, \$192,308, 2008-01-01 to 2008-12-31)

DEVELOPMENT OF MICROFLUIDIC ASSAY FOR DETERMINATION OF PROTEIN TOXINS (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEZ21077001
(co-PI, \$125,572, 2007-08-08 to 2008-08-07)

MECOG 2007 work (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEZ21076801
(co-PI, \$192,307.69, 2007-01-01 to 2007-12-31)

UAV Technical Support to USAID and GA ARNG (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEZ21066809
(co-PI, \$49,572.73, 2007-02-09 to 2007-10-08)

NGB-CD Tech Cons Program Coordination (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling) [August 2002 - July 2007]; TO: 4TEO21037017
(PI, \$154,110.58, 2003-03-11 to 2007-07-31)

GRR&GRT (Radios) Sustainability (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEO21056802
(co-PI, \$873,787.41, 2005-04-01 to 2007-04-30)

MECOG FY06 Follow-on (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEZ21066801
(co-PI, \$192,307.69, 2006-01-01 to 2006-12-31)

Airborne Video and Communication Enhancements Teledyne (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEO21056803
(PI, \$271,844.66, 2004-11-17 to 2006-11-16)

NGB-CD Internal Web Management System Developments (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21057037
(co-PI, \$192,307.69, 2004-10-25 to 2006-10-24)

NGB SAMS Software Replacement and Development (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21057039
(co-PI, \$96,153.85, 2005-03-01 to 2006-08-31)

C-130 follow-on (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21057038
(PI, \$584,142.35, 2004-11-17 to 2006-05-16)

**National Guard Bureau (NGB) - Counterdrug (CD) Technology Consortium Program Coordination:
2004-2005 (Program Manager: Higgins, Melinda)**

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21A47017
(PI, \$260,800, 2004-04-01 to 2006-03-31)

FalconView Environmental Assessment Tool (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEO21056804
(co-PI, \$72,115, 2004-10-01 to 2006-03-31)

Modeling and Simulation Requirements for AFAMS (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEO21056806
(co-PI, \$48,076.92, 2005-04-01 to 2006-03-31)

DSS National Implementation:2004-2005 (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21047019
(PI, \$768,000, 2004-04-01 to 2006-02-28)

Contract Support of the Condition Based Maintenance (CBM) Program - Application to UH-60A (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEO21056807
(co-PI, \$84,944, 2005-06-01 to 2005-11-30)

MECOC FY05 Follow-on (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEO21056801
(co-PI, \$151,442.31, 2004-11-09 to 2005-11-08)

NGB Tech Consortium Program Coordination (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEO21046800
(PI, \$51,350, 2003-11-01 to 2005-10-31)

GTVGIS/DMS Integration:2004-2005 (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling) [August 2002 - July 2007]; TO: 4TEO21047012
(PI, \$425,000, 2004-04-01 to 2005-09-30)

Space Based Radar - Ended Early Gov't Convenience (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEO21056805
(PI, \$104,365.20, 2004-12-03 to 2005-07-29)

Std C-130 Pallet: 2004-2005 (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling) [August 2002 - July 2007]; TO: 4TEO21047009
(PI, \$585,000, 2004-04-01 to 2005-06-30)

Mobility Electronic Combat Officers Course (MECOC) (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS-04F-N0010 (\$46.75M Ceiling) [August 2003 - July 2008]; TO: 4TEO21046801
(co-PI, \$182,317.46, 2003-10-29 to 2005-04-29)

Web?IT Support and Development - NGB-CD websites and DMS (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling) [August 2002 - July 2007]; TO: 4TEO21047028
(co-PI, \$202,943, 2003-12-03 to 2005-02-04)

GA DOQQs – Part 2 (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling) [August 2002 - July 2007]; TO: 4TEO21037025
(PI, \$262,072.93, 2003-08-25 to 2004-12-17)

Marijuana Remote Sensing Plan (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21037023
(PI, \$192,000, 2003-03-15 to 2004-09-30)

V-22 OT&E for ISRFID and Enhanced Development for ISRFID (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21037027
(co-PI, \$92,233, 2003-09-09 to 2004-09-08)

Georgia Tech Virtual Geographic Information System (GTVGIS)/Digital Mapping Server (DMS) Integration (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21037012
(PI, \$437,355, 2003-04-01 to 2004-06-30)

Decision Support System (DSS) National Implementation (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21037019
(PI, \$642,848, 2003-03-17 to 2004-06-30)

Requirements Analysis and Tech Assessment for Covert Tag (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21037026
(co-PI, \$631,39.78, 2003-08-25 to 2004-06-01)

Standardized C-130 Pallet (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21037009
(PI, \$385,414.75, 2003-04-01 to 2004-04-21)

UAV Integrated Data Support (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21037024
(co-PI, \$96,000, 2003-06-03 to 2004-03-31)

COUNTERDRUG GEOGRAPHICAL REGIONAL ASSESSMENT SENSOR SYSTEM (CD-GRASS) (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS00T99AJD0015 (\$9.7M Ceiling) [October 1998 - October 2003]; TO: T0099AJ0059
(PI, \$4,354,000.06, 1998-11-13 to 2003-12-31)

GA Digital Ortho Quarter Quads (DOQQs) – Part 1 (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21037005
(PI, \$100,000, 2002-10-14 to 2003-09-30)

RFID and Sensor Array (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21037022
(co-PI, \$65,000, 2003-02-01 to 2003-08-31)

Engine Asset Contractor Logistics Support Study (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS04T02BFD0031 (\$46.75M Ceiling)
[August 2002 - July 2007]; TO: 4TEO21037018
(co-PI, \$250,000, 2003-02-15 to 2003-08-15)

C-26 KS-87 CAMERA UPGRADE STUDY (Program Manager: Higgins, Melinda)

BOA: GSA (General Services Administration) Contract GS00T99AJD0015 (\$9.7M Ceiling) [October
1998 - October 2003]; TO: T0099AJ3421
(PI, \$200,000.00, 1999-07-30 to 2000-03-31)

MULTI-MODALITY IMAGE FUSION STUDY (Program Manager: Higgins, Melinda)

BOA: Eastman Kodak Direct Contract; TO: 99-8096-33777
(PI, \$20,000, 1999-08-01 to 1999-08-30)

Scholarship: Publications

(*h-index: Web of Science 29; SCOPUS 31; Europe PMC 24; Google Scholar: 41*
ORCID: 0000-0001-6579-5885; ResearcherID: B-6459-2013; Scopus Author ID: 35186267100)

Original Articles in Peer-Reviewed Journals (191 articles, +18 in 2025)

(* next to data based publications, + next to students and postdoc trainees)

1. Kim, G., Kim, H., Marchak, J. G., Effinger, K. E., Higgins, M., & Xiao, C. (2026). The Impact of Social Determinants on Healthcare Transition Readiness Among Adolescent and Young Adult Childhood Cancer Survivors: A Mixed Methods Systematic Review. *Supportive Care in Cancer*, 34(3). <https://doi.org/10.1007/s00520-026-10415-5>
2. Lartey, S. D., Konadu, E., Higgins, M., Baah, F. O., Chandler, R., Bonsra, E.-S. A., Abukari, M. A., & Gyamfi, A. (2026). Ghanaians living with Human Immunodeficiency Virus: social determinants of quality of life. *BMC Public Health*, 26(1). <https://doi.org/10.1186/s12889-026-26284-w>
3. Thompson, L. M., Lovvorn, A. E., Raheel, H., Hengstermann-Artiga, M., Lopez, M. R., Ramirez, A., Barr, D. B., Higgins, M., McCracken, J. P., Saikawa, E., & Handley, M. A. (2025). A village-level cluster randomized controlled implementation trial to measure the effectiveness of a behavioral intervention aiming to reduce women's exposures to household plastic waste burning in rural Guatemala: study protocol for the Ecolectivos trial. *Trials*, 27(1). <https://doi.org/10.1186/s13063-025-09338-z>
4. Brewster, G. S., Robinson, J., Higgins, M., Brown, C., Gallimore, J., Charvis, J. S., Pelkmans, J., Hepburn, K., & Govia, I. (2025). Assessing The Feasibility Of A Virtual Delivery Of The Savvy Caregiver Program For Jamaican Caregivers Of Persons Living With Dementia. *Alzheimer's & Dementia*, 21(S4). https://doi.org/10.1002/alz70858_096614
5. Herring, C. H., Butts, B., Higgins, M., Watson, J., Brewster, G. S., Wharton, W., Gary, R., Hepburn, K., & Dunbar, S. B. (2025). Enhancing Caregiver Health: The Role of Psychoeducational and Exercise Interventions in Stress Management and Coping Among Dementia Family Caregivers. *Alzheimer's & Dementia*, 21(S4). https://doi.org/10.1002/alz70858_106566
6. Grant, S., Goldberg, E., Gadipudi, A., Jang, S., Szczech, M., Higgins, M., Pelkmans, J., Schneider, J., Klepper, M., Clark, N., & Sherman, A. D. F. (2025). Age, Intersectional Discrimination, and Health in Black Transgender Women. *Journal of Racial and Ethnic Health Disparities*. <https://doi.org/10.1007/s40615-025-02710-4>
7. Butts, B., Herring, C., Madariaga, A., Graven, L. J., Higgins, M. K., & Dunbar, S. B. (2025). Inflammation markers associated with symptoms and neighborhood deprivation in black adults with heart failure. *Heart & Lung*, 74, 121–128. <https://doi.org/10.1016/j.hrtlng.2025.07.001>
8. Kaplow, R., Willis, P., Higgins, M., & Mota, S. (2025). Effects of Coloring on Nurse Stress in an Academic Medical Center. *Journal of Radiology Nursing*, 44(3), 306–313. <https://doi.org/10.1016/j.jradnu.2025.02.004>
9. Spikes, T. A., Alonso, A., Thorpe, R. J., Jr, Pelkmans, J., Higgins, M., Sullivan, S., Dunbar, S. B., Michopoulos, V., Searles, C., Lewis, T. T., Mehta, P. K., Pemu, P., Taylor, H., & Quyyumi, A. (2025). Biological Age as a Predictor of Arterial Stiffness in Young and Early Midlife Black and White Women. *American Journal of Hypertension*, 38(9), 706–713. <https://doi.org/10.1093/ajh/hpaf059>

10. Kariuki, J. K., Higgins, M., Gitonga, M., Pelkmans, J., Githui, S., Wachira, M., Gathogo, L., Hidalgo, C. M., Wambugu, V., Kimani, S., Osei Baah, F., Abera, H., Thompson, L., & Erickson, K. (2025). Sex Differences in Absolute Cardiovascular Risk Profiles Among Rural Midlife and Elderly Kenyans: Influence of Obesity, Physical Activity, Smoking, and Blood Pressure Control. *Metabolic Syndrome and Related Disorders*, 23(6), 319–327. <https://doi.org/10.1177/15578518251358954>
11. Watson, J., Buchi, E., Higgins, M. K., Glasgow, G. S. B., Trammell, A. R., Herring, C., Wharton, W., Gary, R. A., Hepburn, K., Dunbar, S. B., & Butts, B. (2025). Relationship between cellular aging, perceived stress, and cardiometabolic disease risk in Black family caregivers of persons with dementia. *Alzheimer's & Dementia*, 21(7). <https://doi.org/10.1002/alz.70518>
12. Britt, A., Higgins, M., Dunlop, A., Michopoulos, V., & Carlson, N. (2025). Childhood Maltreatment, Labor Duration, and Intrapartum Synthetic Oxytocin Dose and Duration: A Potential Oxytocin-Linked Contributor to Labor Outcomes in Black Birthing People. *Journal of Midwifery & Women's Health*, 70(4), 629–639. <https://doi.org/10.1111/jmwh.13762>
13. Bommakanti, R., Bouvier, M., & Higgins, M. (2025). The Role of Rhythmic Breathing in Stress Reduction and Well-Being: A Pilot Study. *Building Healthy Academic Communities Journal*, 9(2), 49–59. <https://doi.org/10.18061/bhac.v9i2.10335>
14. Butts, B., Herring, C., Madariaga, A., Graven, L. J., Higgins, M. K., & Dunbar, S. B. (2025). Markers of Inflammation are Associated with Symptoms and Neighborhood Deprivation in Black Adults with Heart Failure. *openRxiv*. <https://doi.org/10.1101/2025.05.10.25327361> [pre-print]
15. Matthie, N., Higgins, M., & Jenerette, C. (2025). In-home Virtual Reality versus Audio Control for Chronic Pain in Adults with Sickle Cell Disease: A Randomized Trial. *The Journal of Pain*, 29, 105297. <https://doi.org/10.1016/j.jpain.2025.105297>
16. Woldemariam, E. B., Murphree, R. W., Degu, W. A., Higgins, M. K., & Gary, R. A. (2025). Comparing Knowledge and Attitudes Toward the Braden Scale for Pressure Injury Risk Assessment by Nurses: Before and After the Educational Intervention. *Sage Open*, 15(2). <https://doi.org/10.1177/21582440251337857>
17. Emebet B. Woldemariam, Murphree, R. W., Wondwossen A. Degu , Higgins, M. K., & Gary, R. A. (2025). Evaluation of the Predictive Capacity of the Braden Scale for Pressure Injury Development among Hospitalized Patients in Addis Ababa, Ethiopia. *The Ethiopian Journal of Health Development*, Vol. 39 No. 1 (2025). <https://doi.org/10.20372/EJHD.V39I1.6596>
18. Lee, H., Higgins, M. K., & Song, M. (2024). Sexual Satisfaction and Associated Factors Among Older Cancer Survivors. *Research in Nursing & Health*, 48(1), 85–94. <https://doi.org/10.1002/nur.22430>
19. +Byfield, R., Yang, I., Higgins, M., & Carlson, N. (2025). A Scoping Review of Studies Reporting Heart Rate Variability Measurement Among Pregnant and Postpartum People Using Wearable Technology. In *Biological Research For Nursing*. SAGE Publications. <https://doi.org/10.1177/10998004251325212>
20. *Davis, E., Dunbar, S. B., Higgins, M. K., Wood, K., Ferranti, E., Morris, A. A., & Butts, B. (2024). Western Diet and Inflammatory Mechanisms in African American Adults With Heart Failure. In *Nursing Research* (Vol. 74, Issue 1, pp. 20–26). Ovid Technologies (Wolters Kluwer Health). <https://doi.org/10.1097/nnr.0000000000000782>

21. *Brewster, G. S., Houser, M. C., Yang, I., Pelkmans, J., Higgins, M., Tower-Gilchrist, C., Wells, J., Quyyumi, A. A., Jones, D., B. Dunbar, S., & Carlson, N. (2024). Metabolic Pathways Associated With Obesity and Hypertension in Black Caregivers of Persons Living With Dementia. In *Nursing Research* (Vol. 74, Issue 1, pp. 37–46). Ovid Technologies (Wolters Kluwer Health). <https://doi.org/10.1097/nnr.0000000000000783>
22. *+Morin, E. L., Siebert, E. R., Howell, B. R., Higgins, M., Jovanovic, T., Kazama, A. M., & Sanchez, M. M. (2025). Effects of early maternal care on anxiety and threat learning in adolescent nonhuman primates. In *Developmental Cognitive Neuroscience* (Vol. 71, p. 101480). Elsevier BV. <https://doi.org/10.1016/j.dcn.2024.101480>
23. *Butts, B., Kamara, J., Morris, A. A., Davis, E., Higgins, M. K., & Dunbar, S. B. (2024). Comorbid Diabetes Is Associated With Dyspnea Severity and Cardiometabolic Biomarkers in Black Adults With Heart Failure. In *Nursing Research* (Vol. 74, Issue 1, pp. 27–36). Ovid Technologies (Wolters Kluwer Health). <https://doi.org/10.1097/nnr.0000000000000784>
24. *Thompson, L. M., Ferguson, A., +Raheel, H., Lovvorn, A. E., Hengstermann-Artiga, M., Lopez, M. R., Higgins, M., Saikawa, E., & Handley, M. A. (2024). PRECIS-2 used as an implementation science tool for global environmental health: A cross-sectional evaluation of the Ecolectivos study protocol to reduce burning of household plastic waste in rural Guatemala. In T. P. Fernandes (Ed.), *PLOS ONE* (Vol. 19, Issue 12, p. e0316161). Public Library of Science (PLoS). <https://doi.org/10.1371/journal.pone.0316161>
25. *Vatsa, N., Dave, E., Higgins, M., Huang, J., Desai, S. R., Gold, D. A., Gold, M. E., Jain, V., Fatade, Y. K., Rahbar, A., Kimble, L. P., Ko, Y., Sperling, L. S., Quyyumi, A. A., & Mehta, P. K. (2024). Patients With Nonobstructive Coronary Artery Disease and Chest Pain: Impact of Obesity and Depressive Symptoms. In *Journal of the American Heart Association* (Vol. 13, Issue 19). Ovid Technologies (Wolters Kluwer Health). <https://doi.org/10.1161/jaha.123.031429>
26. *Forte, K., Higgins, M., & Pentz, R. D. (2024). Fostering Moral Resilience. In *Nurse Educator* (Vol. 50, Issue 1, pp. 7–11). Ovid Technologies (Wolters Kluwer Health). <https://doi.org/10.1097/nne.0000000000001733>
27. *Hartley, P., Pelkmans, J., Lott, C., Higgins, M. K., Chen, X., Reinhardt, A., Zhang, Y., & Wood, K. A. (2024). Readmissions in Sepsis Survivors: Discharge Setting Risks. In *American Journal of Critical Care* (Vol. 33, Issue 5, pp. 353–363). AACN Publishing. <https://doi.org/10.4037/ajcc2024947>
28. *Muirhead, L., Hayes, R., Higgins, M., Martyn, K. K., Smith, K. M., & McCauley, L. (2024). Leverage pre-requisite courses to teach bachelor of science in nursing students about social determinants of health. In *Journal of Professional Nursing* (Vol. 54, pp. 198–204). Elsevier BV. <https://doi.org/10.1016/j.profnurs.2024.06.016>
29. *Brewster, G., Yang, I., Pelkmans, J., Higgins, M., Waldrop, D., Dunbar, S. B., & Yeager, K. A. (2024). Factors related to cognitive performance among black caregivers of persons living with a chronic illness: An exploratory study. In *Geriatric Nursing* (Vol. 59, pp. 159–169). Elsevier BV. <https://doi.org/10.1016/j.gerinurse.2024.06.035>
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Instructional Booklet

1. **Higgins, M. K.** (2018). *Center for Health Discovery and Wellbeing (CHDWB) Database - Codebook*. Emory University, Atlanta, GA. (*online CHDWB Codebook* <https://melindahiggins2000.github.io/CHDWBCodebook/>; CHDWB-Predictive Health Institute Database <http://predictivehealth.emory.edu/research/resources.html>)

Educational Software, Workshops and Websites Authored

Title	URL	Created
1.Theme 1. Measurement and Prediction of IPV [part of Project	https://melindahiggins2000.github.io/emory_tidal_Rlectures/	Fall 2024/Spring 2025

TIDAL, https://www.project-tidal.org/]		
2. Week 1 Lecture 02: Intro to R, RStudio and Rmarkdown;	https://melindahiggins2000.github.io/IBS_519_Fall2023_mhiggins/	Fall 2023
3. Week 3 Lecture 06: Data Exploration and Wrangling (with dplyr);		
4. Week 4 Lecture 08: Reproducible Research and RMarkdown – for IBS 519		
5. Working with Text in R - 2 skills 4 exercises; Text-to-Columns; Search Across Columns; Parse FREE OPEN Text – for the Advancing Collaborative Biostatistics at Emory (ACBE) Meeting	https://melindahiggins2000.github.io/Emory_ACBE_March2023_TextParsing/	March 2023
6. Emory R Workshop: November 11, 2022 – for the Rollins COVID-19 Epidemiology Fellowship R Training	https://melindahiggins2000.github.io/Emory_RWorkshop_11Nov2022/	November 2022
7. Emory R Workshop: October 26, 2022 – for the R Workshop for Emory Rollins Mobile Health Collaborative	https://melindahiggins2000.github.io/Emory_RWorkshop_26Oct2022/	October 2022
8. Week 1 Lecture 02: Intro to R, RStudio and Rmarkdown;	https://melindahiggins2000.github.io/IBS_519_Fall2022_mhiggins/	Fall 2022
9. Week 3 Lecture 06: Data Exploration and Wrangling (with dplyr);		
10. Week 4 Lecture 08: Reproducible Research and RMarkdown – for IBS 519		
11. Power Lectures and G*Power Exercises	https://melindahiggins2000.github.io/MHiggins_PowerLecture_GPowerExercises/	January 2022
12. Datacamp Interactive Course: R For SAS Users	https://learn.datacamp.com/courses/r-for-sas-users	Summer 2019 (launched)
13. Coursera International Course: Reproducible Templates for Analysis and Dissemination	https://www.coursera.org/learn/reproducible-templates-analysis	January 2018 (launched)
14. Course Website: N736 Quantitative Analysis of Clinical Research Data	https://melindahiggins2000.github.io/N736Fall2017/	August 2017
15. Course Website: N741 Big Data Analytics for Healthcare	https://melindahiggins2000.github.io/N741bigdata/	January 2017
16. GITHUB Organization for N741: N741 Big Data Analytics for Healthcare	https://github.com/EmoryN741	January 2017

Educational Videos Created

Title	URL	Created
17. Theme 1. Measurement and Prediction of IPV [part of	https://classroom.google.com/w/NzlyMjUzO DEzNTU3/t/all	Fall 2024/Spring 2025

Project TIDAL,
<https://www.project-tidal.org/>
] – module 1.3.1 1.3.1:
 Introduction to R and R Studio
 (AO); 1.3.2: Data Wrangling
 (AO); and 1.3.3: Data
 Visualization (AO)

18.	Summer 2018 R Workshop 03: R and RStudio Basics	https://youtu.be/NRCfTM5ghTI	Aug 2018
19.	Summer 2018 R Workshop 02: R and RStudio Basics	https://youtu.be/G9O6gWrpmjg	July 2018
20.	Summer 2018 R Workshop 01: R and RStudio Basics	https://youtu.be/ZeS5cFUTAyc	June 2018
21.	SNRS 2018 R Workshop	https://youtu.be/X7C_M1Lbgn4	March 2018
22.	N741 Course Videos on R and RStudio (5 part series)	https://www.youtube.com/playlist?list=PLUDpSUA5mvSzL7XwtIzjxeZpP9aLMk4C6	January 2017
23.	Fall 2016 R Workshops (5 part series)	https://www.youtube.com/playlist?list=PLUDpSUA5mvSwWh_0o5UDb_u8iLDZ4Nfq7	September 2016
24.	Spring 2016: R Workshop 03 (3 part series)	https://www.youtube.com/playlist?list=PLUDpSUA5mvSxarf_wHZbKl6OycvSff3O3	March 2016
25.	Spring 2016: R Workshop 02 (4 part series)	https://www.youtube.com/playlist?list=PLUDpSUA5mvSznW42U5-hBgX734qTjduhE	February 2016
26.	Spring 2016: R Workshop 01 (5 part series)	https://www.youtube.com/playlist?list=PLUDpSUA5mvSwK0QnaKsxm_AjisRPVeypp	February 2016

Scholarship: Presentations (140 presentations: 81 International/National; 59 Local)

Note: First author listed was the presenter

International Presentations

1. **Higgins, M.**, Butts, B., Gary, R., & Dunbar, S. (2024). Abstract 4146047: Improving Heart Failure Caregiver Competency Improves Caregiver Burden, Sleep and Mental Health. In *Circulation* (Vol. 150, Issue Suppl_1). Ovid Technologies (Wolters Kluwer Health).
https://doi.org/10.1161/circ.150.suppl_1.4146047
2. **Higgins, Melinda** (2023, Nov), Windy Alonso, Brittany Butts, Lucinda J Graven, Carolyn M Reilly, Myra S Schmaderer, Leeza Struwe, Sandra B Dunbar and Bunny J Pozehl; Oral Poster Presentation (Abstract 16663) “Psychometric Summary of the Heart Failure Symptom Survey” Presented at 2023 AHA Scientific Sessions; Philadelphia, PA,
https://www.ahajournals.org/doi/10.1161/circ.148.suppl_1.16663
3. **Higgins, M. K.** (2021, Aug). Distinctive Statistical Considerations in Nursing Education and Research — Topic-Contributed Panel: ENAR, Section on Teaching of Statistics in the Health Sciences, Biometrics; Panel Presentation “Team Science: Tools and Technology” (JSM (Joint

Statistics Meeting) 2021), Retrieved from
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4. **Higgins, M. K.** (2018, July 29). *Overcoming fears (my own) teaching reproducible research, big data and data mining in nursing and public health education*. Oral Presentation (#330503), Vancouver, British Columbia, Canada. Retrieved from
<http://ww2.amstat.org/meetings/jsm/2018/index.cfm>
5. **Higgins, M. K.** (2016, June). *The power of rmarkdown and RStudio IDE: Lessons learned teaching r in public health and nursing*. Oral Presentation, Atlanta, GA. Retrieved from
<https://math.gsu.edu/icsa/>
6. **Higgins, M. K.** (2014). *Closing the gap between applied research and statistics education*. Panel Session - Chair and Organizer, Boston, MA: Panel Session - Chair and Organizer. Retrieved from
<https://ww2.amstat.org/meetings/jsm/2014/program.cfm#>
7. *Gary, R. A., Dunbar, S. B., **Higgins, M. K.**, Hepburn, K., Miller, A., Corwin, E., & Bauer-Wu, S. (2013, July). *Physical and psychosocial characteristics of family caregivers of persons with heart failure*. Oral Presentation, Prague, Czech Republic. Retrieved from
<https://www.ghdonline.org/nursing/discussion/24th-international-nursing-research-congress-in-pr/>
8. **Higgins, M. K.** (2013). *Dealing with excess zeros and highly skewed distributions in nursing research*. Oral Presentation [Invited Speaker], Montreal, Canada. Retrieved from
<https://ww2.amstat.org/meetings/jsm/2013/program.cfm>
9. *Darcy-Mahoney, A., Minter, B., **Higgins, M. K.**, & Burch, K. (2013). *Late prematurity and birth history in children with autism*. Oral Presentation, Donostia/San Sebastian, Spain. Retrieved from
<https://insar.confex.com/imfar/2013/webprogram/start.html>
10. *Anderson, A., **Higgins, M. K.**, Ownby, R., & Waldrop-Valverde, D. (2012). *Short term changes in adherence and neurocognition among cocaine and heroin users with HIV infection*". Poster, Miami, FL: Poster. Retrieved from
http://www.iapac.org/AdherenceConference/Adherence_2012.html
11. **Higgins, M. K.** (2012). *Teaching statistics to nursing students: Current approaches, topics to be aware of and challenges*. Oral Presentation [Invited Speaker], San Diego, CA. Retrieved from
<http://ww2.amstat.org/meetings/jsm/2012/program.cfm>
12. Walthall, C. L., Daughtry, C. S. T., Vanderbilt, M., **Higgins, M. K.**, Bobbe, T., Lydon, J., & Kaul, M. (2003, July). *What do we know about spectral signatures of illegal cannabis cultivation?* Oral Presentation, San Diego, CA
13. **Higgins, M. K.**, Sivakumar, R., Faust, N., Breckenridge, J., & Thomas, Major Michael. (2002, July). *Digital mapping server implementation for national guard counterdrug programs*. Oral Presentation (Paper 742), San Diego, CA. Retrieved from
<https://library.esri.com/docs/proc02/pap0742/p0742.htm>
14. Thomas, Michael, **Higgins, M.**, (2002). *National guard GIS and related technologies for counterdrug law enforcement*. Oral Presentation (Paper 752), San Diego, CA. Retrieved from
<https://library.esri.com/docs/proc02/pap0752/p0752.htm>
15. **Higgins, M.** (2001). *National guard counterdrug technology programs: Focused support to counterdrug law enforcement [invited speaker]*. In *Proceedings: 2001 ONDCP international*

technology symposium : Counterdrug research and development : Technologies for the next decade, june 25-28, 2001, san diego, CA. San Diego, CA: Executive Office of the President of the United States. Retrieved from <https://books.google.com/books?id=czRJtwEACAAJ>

16. ***Higgins, M. K.**, Doll, T., Faust, N., & Wasilewski, T. (2001). *Simultaneous visualization of spatial and spectral signatures of targets [invited speaker]*. Oral Presentation, Montreal, Canada. Retrieved from http://www.crm.umontreal.ca/fusion/prog_day2.shtml
17. ***Higgins, M. K.**, & Morgan, S. L. (1995, June). *Experimental design and multivariate data analysis for carbohydrate mixture and polymer analysis using pyrolysis/high-resolution gas chromatography/mass spectrometry*. Oral Presentation, Breckenridge, CO
18. *Xiang, Y., **Higgins, M. K.**, & Morgan, S. L. (1995). *Quantitation and identification of multiple components in contaminated samples using pattern recognition and principal component analysis*. Oral Presentation (Paper 1388), New Orleans, LA. Retrieved from <https://pubs.acs.org/doi/pdf/10.1021/cen-v072n049.p043>
19. *Morgan, S. L., & **Higgins, M.** (1995). *Three-mode principal component analysis of pyrolysis-gas chromatography/mass spectrometry data for oligosaccharides using a molecular mixture design*. Oral Presentation (Paper 889), New Orleans, LA. Retrieved from <https://pubs.acs.org/doi/pdf/10.1021/cen-v072n049.p043>
20. *Galipo, R., **Higgins, M. K.**, Aust, J. F., Morgan, S. L., & Myrick, M. L. (1994). *Curing of polymers studied by pyrolysis has chromatography / mass spectroscopy*. Poster (024P), Chicago, IL. Retrieved from <https://pubs.acs.org/doi/abs/10.1021/ac00081a735?journalCode=ancham>
21. *Aust, J. F., **Higgins, M. K.**, Egan, W., Morgan, S. L., & Myrick, M. L. (1994). *Fiber optic FT-raman studies of a polyimide curing reaction*. Oral Presentation (Paper 1141), Chicago, IL. Retrieved from <https://pubs.acs.org/doi/abs/10.1021/ac00081a735?journalCode=ancham>
22. *Morgan, S. L., & **Higgins, M. K.** (1994). *Reduction of dimensionality concepts for spectroscopic and chromatographic data*. Oral Presentation (Paper 624), Chicago, IL. Retrieved from <https://pubs.acs.org/doi/abs/10.1021/ac00081a735?journalCode=ancham>
23. ***Higgins, M. K.**, Aust, J. F., Morgan, S. L., & Myrick, M. L. (1993). *Factor analysis of fiber-optic raman spectroscopy data from thermoset polymers during the curing process*. Oral Presentation (Paper 042), Atlanta, GA. Retrieved from <http://journals.sagepub.com/doi/abs/10.1255/nirn.173>
24. ***Denny, M. K.**, & Morgan, S. L. (1992). *Factor analysis of electron impact mass spectra for differentiation of isomeric alditol hexaacetates*. Oral Presentation (Paper 380), New Orleans, LA. Retrieved from <https://pubs.acs.org/doi/abs/10.1021/ac00027a716?journalCode=ancham>
25. ***Denny, M. K.**, Zhu, Z. T., Goode, S. R., & Morgan, S. L. (1991). *Determination of sugar composition of wood products by multivariate regression and factor analysis of UV spectra*. Poster (355P), Chicago, IL. Retrieved from <https://www.sciencedirect-com.proxy.library.emory.edu/science/article/pii/016599369185015J>

National Presentations

26. Hayat, M.; **Higgins, M.**; Kim, Myoung Jin; Pan, W.; Perkhounkova, Y.; Schwartz, T.; (2021, July). USCOTS (US Conference on Teaching Statistics): Th-14: Preparing nurses for the next pandemic: the role of statistics educators moving forward, Virtual online, Retrieved from:

<https://www.causeweb.org/cause/uscots/uscots21/th-14-preparing-nurses-next-pandemic-role-statistics-educators-moving-forward>

27. **Higgins, M. K.** (2018). *Overcoming fears (my own) teaching reproducible research, big data and data mining*. Oral Presentation, eCOTS (Electronic Conference on Teaching Statistics) online virtual conference. Retrieved from <https://www.causeweb.org/cause/ecots/ecots18/breakouts/11>
28. ***Higgins, M. K.**, Reilly, C. M., Gary, R. A., Dunbar, S. B., +Butts, B., & Butler, J. (2017, April). *Characterizing quality of life responses and physical functioning improvements to an integrated self-care intervention for persons with co-morbid heart failure and diabetes*. Poster, Arlington, VA. Retrieved from https://professional.heart.org/professional/EducationMeetings/MeetingsLiveCME/QCOR/UCM_494366_QCOR-2017-Science-News-Archive.jsp
29. *Corwin, E., **Higgins, M. K.**, Hepburn, K., Gary, R. A., Miller, A., & Dunbar, S. B. (2016, September). *Assessment of stress and inflammatory biomarkers in family caregivers of heart failure and alzheimer's disease*. Oral Presentation, Washington, DC.
30. *Dunbar, S. B., **Higgins, M. K.**, Corwin, E., Hepburn, K., & Miller, A. (2016, September). *Caregiver stress - interventions to promote health and wellbeing*. Oral Presentation, Washington, DC.
31. *Gary, R. A., **Higgins, M. K.**, Corwin, E., Hepburn, K., & Dunbar, S. B. (2016, September). *Improvements in physical functioning, health status and reduced cardiovascular risk for caregivers of heart failure patients*. Oral Presentation, Washington, DC.
32. *Hepburn, K., **Higgins, M. K.**, +Kovaleva, M., Corwin, E., Gary, R., Miller, A., & Dunbar, S. B. (2016, September). *Improving perceived burden and health for caregivers of african american alzheimer's patients*. Oral Presentation, Washington, DC.
33. *Dunbar, S. B., Corwin, E., **Higgins, M. K.**, Gary, R. A., & Hepburn, K. (2016, September). *The effect of psychoeducational interventions for caregivers of persons with heart failure of alzheimer's disease on caregiver knowledge and self-efficacy*. Oral Presentation, Washington, DC.
34. ***Higgins, M. K.**, Dunbar, S. B., Corwin, E., & Gary, R. A. (2016, September). *Visualizing family caregiver profiles and phenotypes using network analysis techniques and graphs*. Oral Presentation, Washington, DC.
35. *Gary, R., Dunbar, S. B., +Butts, B., **Higgins, M. K.**, Corwin, E., Hepburn, K., & Miller, A. H. (2015, October 13). *Improving physical function and reducing cardiovascular disease risk among family caregivers of persons with heart failure*. Oral Presentation, Bethesda, MD.
36. *+McCabe, N., Book, W., Butler, J., **Higgins, M. K.**, Reilly, C. M., & Dunbar, S. B. (2015, November). *Relationship between self-care, functional health, and health resource use in adults with congenital heart defects*. Oral Presentation (Martha N. Hill New Investigator Finalist), Orlando, FL.
37. *Reilly, C. M., Esiashvili, N., Schreibmann, E., & **Higgins, M. K.** (2015, November). *The relationship between radiation dose volume and adverse cardiovascular events in cancer survivors who received thoracic radiation*. Oral Presentation, Orlando, FL.

38. *Reilly, C. M., **Higgins, M. K.**, Gary, R. A., Butler, J., Smith, A., & Dunbar, S. B. (2014). *Cost effectiveness of an integrated self-care intervention for persons with heart failure and diabetes*. Oral Presentation, Washington, DC; Las Vegas, NV.
39. *Thomas, T., Strickland, O., DiClemente, R., & **Higgins, M. K.** (2014). *Increasing human papillomavirus (HPV) vaccination in boys: Reducing health disparities through advanced pediatric nursing practice*. Oral Presentation, Boston, MA. Retrieved from <http://community.napnap.org/annualconference2014/home/abouttheconference>
40. *Thomas, T., **Higgins, M. K.**, & Pinto, M. (2014). *Parental attitudes towards human papillomavirus (HPV) vaccination of boys: Quantitative and qualitative results identifying interventions points for the development of effective HPV vaccine interventions*. Oral Presentation, San Antonio, TX. Retrieved from <https://www.adolescenthealth.org/Meetings/Past-Meetings/2014-Annual-Meeting.aspx>
41. Fox, S. M., Clevenger, C. K., Abraham, C. A., & **Higgins, M. K.** (2013). *Gauging nursing students' knowledge and attitude toward quality improvement*. Oral Presentation.
42. *Thomas, T., Strickland, O., DiClemente, R., **Higgins, M. K.**, & +Stevens, D. Y. (2013). *Health disparities and human papillomavirus (HPV) vaccination: Research findings and implications for pediatric nurses in advanced practice*. Oral Presentation, Orlando, FL.
43. *+McCabe, N., **Higgins, M. K.**, & Reilly, C. M. (2013). *Six minute walk distance predicts event-free survival after acute heart failure hospitalization*. Oral Presentation (Rising Stars Scholar), Washington, DC.
44. Hayat, M., Eckardt, P., **Higgins, M. K.**, Kim, M., & Schmiede, S. (2013). *Teaching statistics to nursing students: An expert panel consensus*. Poster, Raleigh-Durham, NC. Retrieved from <https://www.causeweb.org/cause/uscots/uscots13/posters>
45. *Thomas, T., Strickland, O., DiClemente, R., & **Higgins, M. K.** (2012). *Is the HPV vaccine for adolescent boys who live in rural areas? Parents' knowledge, attitudes, beliefs, and intent to vaccinate their sons*. Oral Presentation, New Orleans, LA. Retrieved from <https://www.adolescenthealth.org/Meetings/Past-Meetings/2012-Annual-Meeting.aspx>
46. *+Ferranti, E., Dunbar, S. B., Reilly, C. M., Foster, J., McCullough, M., Narayan, K. M., Zeigler, T. R., & **Higgins, M. K.** (2012). *Perceived and actual cardio-metabolic risk among women with a recent history of gestational diabetes*. Oral Presentation, Washington, DC.
47. *+Ferranti, E., Dunbar, S. B., Reilly, C. M., Foster, J., McCullough, M., Narayan, K. M., Zeigler, T. R., & **Higgins, M. K.** (2012). *Perceived and actual cardio-metabolic risk among women with a recent history of gestational diabetes*. Oral Presentation, San Francisco, CA.
48. *Thomas, T., +Stephens, D., Strickland, O., DiClemente, R., & **Higgins, M. K.** (2012). *Rural health disparities and reduction of human papillomavirus (HPV) related cancers*. Oral Presentation, National Harbor, MD. Retrieved from https://www.nimhd.nih.gov/summit_site/
49. *Cha, E., **Higgins, M. K.**, Lobb, M. K., & Dunbar, S. B. (2011, August). *Education needs for improving self-care in heart failure patients with diabetes*. Oral Presentation, Las Vegas, NV.
50. *Thomas, T., Strickland, O., DiClemente, R., & **Higgins, M. K.** (2011). *Fathers, sons and the human papillomavirus (HPV) vaccine: Perceived vulnerability to HPV infection in boys ages 9 to 13*. Poster, Washington, DC. Retrieved from <https://www.ninr.nih.gov/aboutninr/history/25thsymposium/25thanniversaryhighlights>

51. *Cha, E., **Higgins, M. K.**, Reilly, C. M., & Dunbar, S. B. (2011). *Improving self-care in heart failure patients with diabetes*. Poster, Washington, DC.
52. *Thomas, T., Strickland, O., DiClemente, R., & **Higgins, M. K.** (2011). *Prevalence and correlates of human papillomavirus (HPV) vaccination in rural areas*. Oral Presentation, New Orleans, LA.
53. *+Ferranti, E., Butler, J., Culler, S., **Higgins, M. K.**, Gary, R., Reilly, C. M., Laszlo, M., Meadows, K., Moloney, M., & Dunbar, S. B. (2011). *Self-management of both heart failure and diabetes: Perspectives from patients and their family caregivers*. Poster, Washington, DC.
54. *Reilly, C. M., **Higgins, M. K.**, Smith, A., Culler, S., & Dunbar, S. B. (2011). *Stopping the tide: Outcomes from symptom and economic evaluation of fluid restriction in persons with heart failure (SEE-heart)*. Oral Presentation, Orlando, FL.
55. *Holstad, M., Ofotokun, I., Logwood, S., **Higgins, M. K.**, & Norris, S. (2010, November). *Evaluation of an audio-music program to promote ART adherence: A pilot study*. Oral Presentation.
56. *+Ferranti, E., +Dai, J., Zeigler, T. R., Brigham, K., Frediani, J., **Higgins, M. K.**, Reilly, C. M., & Dunbar, S. B. (2010). *Psychosocial correlates of diet quality in working adults*. Poster, Washington, DC.
57. *Reilly, C. M., Frediani, J., Clark, P., Gary, R. A., **Higgins, M. K.**, Smith, A., & Dunbar, S. B. (2009). *Quality and adequacy of dietary intake in a southern urban heart failure population*. Poster, Washington, DC.
58. *+Quinn, C., Dunbar, S. B., & **Higgins, M. K.** (2008, October). *Family dyadic symptom assessment congruence in heart failure and partner support style*. Oral Presentation, Washington, DC.
59. *+Quinn, C., Dunbar, S. B., & **Higgins, M. K.** (2008, October). *Family support factors and congruence of symptom assessment between HF patients and caregivers*. Poster, Washington, DC.
60. *Gary, R. A., Dunbar, S. B., Musselman, D. L., Cress, M. E., & **Higgins, M. K.** (2008, October). *The multidimensional domain of fatigue in patients with heart failure and depression*. Oral Presentation, Washington, DC.
61. ***Higgins, M. K.**, & Parker, K. (2008, October). *Visualization and multivariate statistical methods to model relationships across symptom cluster and polysomnographic realms*. Oral Presentation, Washington, DC: Oral Presentation.
62. **Higgins, M. K.**, Thomas, Major Michael, Faust, N., McCreedy, F., Sample, J., Shaw, K., & Thomas, R. Capt. (2004, April). *National guard digital mapping server portal: Embodying a 'one-stop' portal approach for total GIS needs [invited speaker]*. Oral Presentation, Boston, MA.
63. **Higgins, M. K.** (2002, September). *NGB-CD digital mapping server [invited speaker]*. Oral Presentation, Washington, DC.
64. **Higgins, M. K.** (2002, October). *NGB-CD's CD-GRASS and technology consortium programs [invited speaker]*. Oral Presentation, South Padre Island, TX.
65. **Higgins, M. K.**, & Thomas, Major Michael. (2002, December). *Conference workshop - national guard digital mapping server portal [invited speaker]*. Oral Presentation, Denver, CO.
66. **Higgins, M. K.** (2002, April). *NGB-CD's CD-GRASS and technology consortium programs [invited speaker]*. Oral Presentation, San Diego, CA.

67. **Higgins, M. K.** (2001, May). *NGB-CD's counterdrug GIS technology symposium [invited speaker]*. Key Coordinator & Presenter, Washington, DC.
68. **Higgins, M. K.** (2001, March). *NGB-CD counterdrug coordinator's conference - multiple talks and topics*. Key Participant & Presenter, Orlando, FL.
69. **Higgins, M. K.** (2001, December). *National guard GIS technology programs to support counterdrug law enforcement [invited speaker]*. Oral Presentation, Dallas, TX.
70. **Higgins, M. K.,** Doll, T., Faust, N., & Wasilewski, T. (2000, November). *Sensor fusion and image interpretation through integrated spatial/spectral pattern recognition*. Oral Presentation, Huntsville, AL (Redstone Arsenal).
71. Faust, N., & **Higgins, M. K.** (2000, June). *Counterdrug geographical regional assessment sensor system (CD-GRASS) [invited speaker]*. Oral Presentation, New Orleans, LA.
72. **Higgins, M. K.,** Doll, T., Faust, N., & Wasilewski, T. (2000, June). *Sensor fusion and image interpretation through integrated spatial/spectral pattern recognition*. Oral Presentation, San Antonio, TX (Kelly AFB).
73. **Higgins, M. K.** (2000, December). *CD-GRASS program: Interagency collaboration focused to support counterdrug law enforcement in GIS technologies [invited speaker]*. Oral Presentation, San Diego, CA.
74. **Higgins, M. K.** (2000, April). *NGB-CD counterdrug GIS technology symposium [invited speaker]*. Key Participant & Presenter, Washington, DC.
75. **Higgins, M. K.,** Faust, N., Doll, T., & Wasilewski, T. (1999, October). *Multi-modality targets classification and visualization [invited speaker]*. Oral Presentation, Rochester, NY.
76. **Higgins, M. K.,** & Asbell, W. Lt Col. (1999, March). *Counterdrug geographical regional assessment sensor system (CD-GRASS) program [invited speaker]*. Oral Presentation, Austin, TX.
77. **Higgins, M. K.,** & Asbell, W. Lt Col. (1999, June). *Counterdrug geographical regional assessment sensor system (CD-GRASS) program [invited speaker]*. Oral Presentation, Arlington, VA.
78. **Higgins, M. K.,** & Asbell, W. Lt Col. (1999, December). *Enhanced GIS and mapping support to counterdrug operations [invited speaker]*. Oral Presentation, Orlando, FL.
79. **Higgins, M. K.,** Faust, N., & Asbell, W. Lt Col. (1998, December). *Counterdrug geographical regional assessment sensor system (CD-GRASS) program [invited speaker]*. Oral Presentation, Washington, DC.
80. **Higgins, M. K.** (1997, November). *Selected topics of chemometrics/pattern recognition for the classification and modeling of chemical structure and composition [invited speaker]*. Oral Presentation, Gaithersburg, MD.
81. *Morgan, S. L., & **Higgins, M. K.** (1995, October). *Experimental designs for mixtures applied to multivariate calibration with spectroscopic data*. Invited paper - Oral Presentation, Cincinnati, OH.

Local, State and Regional Presentations

1. **Higgins, M.K.** (2023) Do You Know Where Your Data Should Be? (presented on 09/21/2023 as part of Fall 2023 Ethics Seminar Series, Emory School of Nursing)

2. **Higgins, M.K.** (2023) Working with Text in R; Presented March 16, 2023 to the Advancing Collaborative Biostatistics at Emory, Atlanta, GA
3. **Higgins, M.K.** (2023) This is Statistics and Data Science; given on PI DAY 03/14/2022 at Druid Hills High School, Atlanta, GA (sponsored by DHHS Math Club).
4. **Higgins, M.K.** (2022) This is Statistics and Data Science; given on PI DAY 03/14/2022 at Druid Hills High School, Atlanta, GA (sponsored by DHHS Math Club).
5. **Higgins, M.K.** (2022) *Workshop: R Workshop on Data Wrangling, Graphics and Mapping*; for Emory Rollins Mobile Health Collaborative, given on March 31, 2022.
6. **Higgins, M.K.** (2021). Making reproducibility practical – Using rmarkdown and R (+ more ...) (presented to the Oct 2021 Meeting of the Advancing Collaborative Biostatistics at Emory (ACBE))
7. **Higgins, M.K.** (2021). "Do You Know Where Your Data Should Be?" (presented on 09/21/2021 as part of Fall 2021 Ethics Seminar Series, Emory School of Nursing).
8. **Higgins, M. K.** (2021). Introduction to the Patchwork Package: Scaffolding for Composite Figures and Infographics (presented to the June 2021 Meeting of the Atlanta R Users Group), https://melindahiggins2000.github.io/AtlantaRUsers_24June2021/
9. **Higgins, M. K.** (2021). Reproducibility with the Rmarkdown/Knitr Ecosystem (presented to the March 2021 Meeting of the Atlanta R Users Group), https://melindahiggins2000.github.io/AtlantaRUsers_25March2021/
10. **Higgins, M.K.** (2020). Making Reproducibility Practical: Using R and R Markdown (presented for the Emory University Rigor and Reproducibility Seminar Series), <https://guides.libraries.emory.edu/rigor-rep>
11. **Higgins, M. K.** (2018). *Workshop: Reproducible research pipelines using r and RStudio – best practices for analysis, documentation and dissemination*. Educational Workshop, Atlanta, GA: Educational Workshop. Retrieved from <http://www.snrs.org/2018-annual-conference>
12. *+Butts, B., Reilly, C. M., Gary, R., **Higgins, M. K.**, & Dunbar, S. B. (2016). *Factors affecting heart failure knowledge and retention after an integrated self-care intervention in persons with heart failure and diabetes*. Poster (PS1-33), Williamsburg, VA. Retrieved from <http://snrs2016abstracts.conferencespot.org/61616-snrs-1.2951650/t002-1.2953141/f002-1.2953142/a178-1.2953172/ap178-1.2953173>
13. *+Otuguor, U. E., **Higgins, M. K.**, & Dunbar, S. B. (2016). *Heart failure family caregiver knowledge, confidence and psychological outcomes*. Oral Presentation (A5-6), Williamsburg, VA. Retrieved from <http://snrs2016abstracts.conferencespot.org/61616-snrs-1.2951650/t001-1.2953253/f001-1.2953254/a024-1.2953333/ap024-1.2953334>
14. *+Spikes, T., Reilly, C. M., Clark, P., **Higgins, M. K.**, & Dunbar, S. B. (2016). *The effect of a lifestyle intervention on psychosocial factors and medication compliance in african americans with metabolic syndrome*. Poster (PSII-53), Williamsburg, VA. Retrieved from <http://snrs2016abstracts.conferencespot.org/61616-snrs-1.2951650/t003-1.2953068/f003-1.2953069/a268-1.2953102/ap268-1.2953103>
15. *Reilly, C. M., Esiashvili, N., Parashar, S., & **Higgins, M. K.** (2015, October). *Subclinical cardiovascular disease, risk, and symptoms in lymphoma survivors*. Poster, Washington, DC. Retrieved from <https://www.ninr.nih.gov/newsandinformation/30years>

16. **Higgins, M. K.**, Williams, B., Paul, S., & Plotsky, A. (2015, November 17). *Responsible data management*. Oral Presentation, Atlanta, GA.
17. *Reilly, C. M., & **Higgins, M. K.** (2015, February 17). *Saving money with self-care interventions: Accounting for dollars and sense*. Oral Presentation, Atlanta, GA.
18. **Higgins, M. K.**, & Corwin, E. (2015, April 28). *The ethical use of data*. Oral Presentation, Atlanta, GA.
19. *Dunbar, S. B., Gary, R., Corwin, E., Miller, A., Hepburn, K., **Higgins, M. K.**, Butler, J., & Bauer-Wu, S. (2015). *Family caregiver intervention improves psychological symptoms in family caregivers of persons with heart failure*. Oral Presentation (B3-5), Tampa, FL. Retrieved from <http://snrs2015abstracts.conferencespot.org/58887-snrs-1.1858071/t-003-1.1859161/f-003-1.1859162/a-043-1.1859215/an-043-1.1860074>
20. *+Kim, J., **Higgins M.**, +Butts, B., & Dunbar, S. B. (2015). *Influence of baseline self-efficacy on self-care in response to an integrated heart failure and diabetes mellitus self-care intervention*. Poster (PSIII-35), Tampa, FL. Retrieved from <http://snrs2015abstracts.conferencespot.org/58887-snrs-1.1858071/t-008-1.1858959/f-008-1.1858960/a-328-1.1858974/an-328-1.1859853>
21. ***Higgins, M. K.**, Dunbar, S. B., Gary, R., Reilly, C. M., & +Butts, B. (2015). *Modified scoring and analysis approach of the CHAMPS physical activity questionnaire and its relationship to six minute walk physical functioning*. Poster (PSI-48), Tampa, FL. Retrieved from <http://snrs2015abstracts.conferencespot.org/58887-snrs-1.1858071/t-003-1.1859161/f-003-1.1859162/a-199-1.1859171/an-199-1.1860033>
22. **Higgins, M. K.**, & Turk, M. (2014, October 10). *REDCAP lunch and learn*. Oral Presentation, Atlanta, GA.
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Scholarship: Technical Reports

Department of Defense (DOD) and Related US Government Contract Deliverables

While at the Georgia Tech Research Institute (GTRI), Dr. Higgins oversaw the preparation and delivery of 448 technical reports; technology deliverables; monthly status reports; quarterly reports and comprehensive (bi-annual) reports for projects for which she was the PM (program manager) and PI (principal investigator)/co-PI.

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[421-432] Higgins, M. K. (2002b). *Counterdrug geographical regional assessment sensor system (CD-GRASS): SOUTHCOM (US southern command) monthly status reports #01 - #12 [11/2001 to 11/2002]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[433-436] Higgins, M. K. (2002c). *Counterdrug geographical regional assessment sensor system (CD-GRASS): SOUTHCOM (US southern command) quarterly status reports #01 - #04 [10/2001 to 10/2002]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[437-438] Higgins, M. K. (2002d). *Counterdrug geographical regional assessment sensor system (CD-GRASS): UCD website engineering design specifications reports #01 - #02 [11/2001 to 03/2002]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[439] Higgins, M. K. (2002e). *Counterdrug geographical regional assessment sensor system (CD-GRASS): Website tasks: Phase i deliverables [09/2002 to 12/2002]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[440] Higgins, M. K. (2000a). *C-26 KS-87 camera upgrade study: Draft requirements analysis report [07/1999 to 02/2000]* (No. GSA Contract # T0099AJ3421; GTRI Project # A-6044). Atlanta, GA: Georgia Tech Research Institute.

[441] Higgins, M. K. (2000b). *C-26 KS-87 camera upgrade study: Final requirements analysis report [07/1999 to 03/2000]* (No. GSA Contract # T0099AJ3421; GTRI Project # A-6044). Atlanta, GA: Georgia Tech Research Institute.

[442-447] Higgins, M. K. (2000c). *C-26 KS-87 camera upgrade study: Monthly status reports #01 - #06 [07/1999 to 03/2000]* (No. GSA Contract # T0099AJ3421; GTRI Project # A-6044). Atlanta, GA: Georgia Tech Research Institute.

[448] Higgins, M. K. (1999). *Multi-modality image fusion study (final technical report)* (No. Eastman Kodak Company # 99-8096-33777; GTRI Project # A-6038). Atlanta, GA: Georgia Tech Research Institute.

Teaching Activities

Courses Taught

Date	Course Number and Title	Role
2025 – Fall	Emory-NRSG 736: Quantitative Analysis of Clinical Data	Primary Instructor
2025 – Fall	Emory-NRSG 710: Principles of Health Outcomes Research	Guest Lecturer
2025 – Fall	Emory IBS 519 Statistical Rigor, Reproducibility, and Experimental Design for Biomedical Data Analysis.	Guest Lecturer (3 classes)
2025 – Spring	Emory-NRSG 741: Big Data Analytics for Healthcare	Primary Instructor
2024– Fall	Emory-NRSG 736: Quantitative Analysis of Clinical Data	Primary Instructor
2024 – Fall	Emory IBS 519 Statistical Rigor, Reproducibility, and Experimental Design for Biomedical Data Analysis.	Guest Lecturer (3 classes)
2024 – Spring	Emory-NRSG 730 Measurement and Design in Clinical Research [Power/Sample Size]	Guest Lecturer
2024 – Spring	Emory-NRSG 741: Big Data Analytics for Healthcare	Primary Instructor
2023 – Fall	Emory IBS 519 Statistical Rigor, Reproducibility, and Experimental Design for Biomedical Data Analysis.	Guest Lecturer (3 classes)
2023– Fall	Emory-NRSG 736: Quantitative Analysis of Clinical Data	Primary Instructor
2023 – Spring	Emory-NRSG 730 Measurement and Design in Clinical Research [Power/Sample Size]	Guest Lecturer
2023 – Spring	Emory-NRSG 741: Big Data Analytics for Healthcare	co-Instructor
2022– Fall	Emory-NRSG 736: Quantitative Analysis of Clinical Data	Primary Instructor
2022 – Fall	Emory IBS 519 Statistical Rigor, Reproducibility, and Experimental Design for Biomedical Data Analysis.	Guest Lecturer (and assisted Course Development)
2022 – Spring	Emory-NRSG 730 Measurement and Design in Clinical Research [Power/Sample Size]	Guest Lecturer
2022 – Spring	Emory-NRSG 741: Big Data Analytics for Healthcare	co-Instructor
2021 – Fall	Emory-NRSG 736: Quantitative Analysis of Clinical Data	Primary Instructor
2021 – Spring	Emory-NRSG 741: Big Data Analytics for Healthcare	co-Instructor
2020 – Fall	Emory-NRSG 736: Quantitative Analysis of Clinical Data	Primary Instructor
2020 – Summer	Emory-NRSG 504: Introduction to Biostatistics	Course Coordinator, co-instructor
2020 - Spring	Emory-NRSG 741: Big Data Analytics for Healthcare	co-Instructor
2019 - Fall	Emory-NRSG 736: Quantitative Analysis of Clinical Data	Primary Instructor
2019 - Fall	Emory-NRSG 710: Principles of Health Outcomes Research	co-Instructor
2019 - Summer	Emory-NRSG 504: Introduction to Biostatistics	Course Coordinator, co-instructor
2019 - Spring	Emory-NRSG 741: Big Data Analytics for Healthcare	co-Instructor
2018 - Fall	Emory-NRSG 736: Quantitative Analysis of Clinical Data	Primary Instructor
2018 - Fall	Emory-NRSG 710: Principles of Health Outcomes Research	co-Instructor
2018 - Spring	Emory-NRSG 741: Big Data Analytics for Healthcare	co-Instructor
2017 - Spring	Emory-NRSG 741: Big Data Analytics for Healthcare	co-Instructor
2017 - Fall	Emory-NRSG 736: Quantitative Analysis of Clinical Data	Primary Instructor

2016 - Summer	Emory-Bundles Program (incoming BSN students): Statistics Topics Review	Primary Lecturer
2016 - Spring	Emory-NRSG 797R: Directed Study (Sheilia Jordan, PhD Candidate School of Nursing)	Primary Instructor
2016 - Spring	Emory-NRSG 730 Measurement and Design in Clinical Research	Guest Lecturer
2016 - Fall	Emory-NRSG 797R: Directed Study (Mariya Kovaleva, PhD Candidate School of Nursing)	Primary Instructor
2016 - Fall	Emory-NRSG 710 Principles of Health Outcomes Research	Specialty Statistical Instructor (Daniel Mengistu, Fekadu Ada, PhD Candidates from Addis Ababa)
2015 - Spring	Emory-NRSG 730 Measurement and Design in Clinical Research	Guest Lecturer
2015 - Spring	Emory-NRSG 505 Research and Evidence Based Practice	Guest Lecturer
2015 - Fall	Emory-NRSG 736: Quantitative Analysis of Clinical Data	Primary Instructor
2015 - Fall	Emory-NRSG 710 Principles of Health Outcomes Research	Guest Lecturer
2015 - Fall	Emory-NRSG 204 Introduction to Biostatistics (online)	Guest Lecturer (created, recorded 2 lectures/ videos)
2014 - Spring	Emory-NRSG 730 Measurement and Design in Clinical Research	Guest Lecturer
2014 - Spring	Emory-NRSG 733 Health Risk: Interventions and Outcomes	Guest Lecturer
2014 - Fall	Emory-NRSG 797R: Directed Study (Brittany Butts, PhD Candidate School of Nursing)	Primary Instructor
2014 - Fall	Emory-NRSG 710 Principles of Health Outcomes Research	co-Instructor
2013 - Spring	Emory-NRSG 730 Measurement and Design in Clinical Research	Guest Lecturer
2013 - Spring	Emory-NRSG 507 Theory & Research Applications	Guest Lecturer
2013 - Spring	Emory-NRSG 508 Honors Research II	Guest Lecturer
2013 - Spring	VA (Veterans Administration) Fellows Quality/Safety Program	Guest Lecturer
2013 - Fall	Emory-NRSG 736: Quantitative Analysis of Clinical Data	Primary Instructor
2013 - Fall	Emory-NRSG 797R: Directed Study (Blake McGee, PhD Candidate School of Nursing)	Primary Instructor
2013 - Fall	Emory-NRSG 710 Principles of Health Outcomes Research	Guest Lecturer (6 classes)
2012 - Summer	Emory-NRSG 507 Theory & Research Applications	Guest Lecturer
2012 - Spring	Emory-NRSG 371H Honors Research/Professional Development III Honors	Guest Lecturer
2012 - Spring	Emory-NRSG 730 Measurement and Design in Clinical Research	Guest Lecturer

2012 - Fall	Emory-BIOS 500L: Statistical Methods I - SAS Programming Computer Lab	Primary Instructor
2012 - Fall	Emory-NRSG 710 Principles of Health Outcomes Research	Guest Lecturer (6 classes)
2012 - Fall	Emory-NRSG 507 Theory & Research Applications	Guest Lecturer
2011 - Summer	Emory-NRSG 797R: Directed Study (Tingting Liu, PhD Candidate School of Nursing)	Primary Instructor
2011 - Summer	Emory-NRSG 507 Theory & Research Applications	Guest Lecturer (2 classes)
2011 - Summer	Emory-NRSG 507 (Honors) Theory & Research Applications	Guest Lecturer (2 classes)
2011 - Spring	Emory-NRSG 797R: Directed Study (Debbie Stevens, PhD Candidate School of Nursing)	Primary Instructor
2011 - Spring	Emory-NRSG 371 Evidence Based Nursing Practice	Guest Lecturer
2011 - Spring	Emory-NRSG 371H Honors Research/Professional Development III Honors	Guest Lecturer
2011 - Spring	Emory-NRSG 730 Measurement and Design in Clinical Research	Guest Lecturer
2011 - Spring	Emory-NRSG 731 Advanced Approaches to Measurement and Design in Clinical Research	Guest Lecturer
2011 - Fall	Emory-BIOS 500: Statistical Methods I - Lecture	Primary Instructor
2011 - Fall	Emory-BIOS 500L: Statistical Methods I - SAS Programming Computer Lab	Primary Instructor
2011 - Fall	Emory-NRSG 371 Evidence Based Nursing Practice	Guest Lecturer
2011 - Fall	Emory-NRSG 507 Theory & Research Applications	Guest Lecturer (2 classes)
2010 - Summer	Emory-NRSG 507 Theory & Research Applications	Guest Lecturer
2010 - Spring	Emory-NRSG 371H Honors Research/Professional Development III Honors	Guest Lecturer
2010 - Spring	Emory-NRSG 474H Research Honors II	Guest Lecturer
2010 - Spring	Emory-NRSG 730 Measurement and Design in Clinical Research	Guest Lecturer (3 classes)
2010 - Spring	Emory-NRSG 733 Health Risk: Interventions and Outcomes	Guest Lecturer
2010 - Spring	Emory-ATA 481 Pastoral Counseling Research	Guest Lecturer
2010 - Spring	Emory-NRSG 507 Theory & Research Applications	Guest Lecturer
2010 - Fall	Emory-BIOS 500: Statistical Methods I - Lecture	Primary Instructor
2010 - Fall	Emory-BIOS 500L: Statistical Methods I - SAS Programming Computer Lab	Primary Instructor
2010 - Fall	Emory-NRSG 710 Principles of Health Outcomes Research	Guest Lecturer (4 classes)
2010 - Fall	Emory-NRSG 371 Evidence Based Nursing Practice	Guest Lecturer
2009 - Spring	Emory-NRSG 371H Honors Research/Professional Development III Honors	Guest Lecturer
2009 - Spring	Emory-NRSG 474H Research Honors II	Guest Lecturer
2009 - Spring	Emory-NRSG 730 Measurement and Design in Clinical Research	Guest Lecturer
2009 - Spring	Emory-NRSG 732 Theoretical and Scientific Bases Clinical Phenomena	Guest Lecturer

2009 - Spring	Emory-NRSG 732: Theoretical and Scientific Basis for the Study of Clinical Phenomena	Guest Lecturer
2009 - Fall	Emory-BIOS 500: Statistical Methods I - Lecture	Primary Instructor
2009 - Fall	Emory-BIOS 500L: Statistical Methods I - SAS Programming Computer Lab	Primary Instructor
2008 - Spring	Emory-NRSG 474H Research Honors II	Guest Lecturer
2008 - Spring	Emory-NRSG 730 Measurement and Design in Clinical Research	Guest Lecturer
2008 - Spring	Emory-NRSG 733 Health Risk: Interventions and Outcomes	Guest Lecturer
2008 - Fall	Emory-NRSG 710 Principles of Health Outcomes Research	Guest Lecturer
2007 - Fall	Emory-NRSG 710 Principles of Health Outcomes Research	Guest Lecturer
2002 - 2011	Georgia Tech-CP 6531 Introduction to Remote Sensing	Guest Lecturer
1998 - 2011	GLOBE (Global Learning and Observations to Benefit the Environment) [https://www.globe.gov/]	Author and Instructor - Special Topics Statistics Curriculum for the GLOBE Program
1998 - 2011	GLOBE (Global Learning and Observations to Benefit the Environment) [https://www.globe.gov/]	Certified Instructor for K-12 Educators
1994 - 1995	USC-Statistics 201 (University of South Carolina - Statistics Department)	Primary Instructor
1990 - 1994	Statistical Designs: Short Course "Experimental Design and Quality in Research, Development and Manufacturing" [http://www.statisticaldesigns.com/]	Assistant Instructor
1989 - 1994	USC-Honors Chemistry (University of South Carolina - Chemistry Department)	Teaching Assistant

Statistical Workshops (in addition to courses)

Date	Workshop Title
March 7, 2024	Restarting R-Ladies ATL ...and Learning About Rmarkdown and Quarto...
August-Sept 2023	R Training Workshops for HJF Global Infectious Diseases
March 2023	Working with Text in R - 2 skills 4 exercises; Text-to-Columns; Search Across Columns; Parse FREE OPEN Text – for the Advancing Collaborative Biostatistics at Emory (ACBE) Meeting
Jan 2023	HJF R Lecture for Data Coordinating and Analysis Center (DCAC) HJF Global Infectious Diseases; In support of MHRP, EIDB, and DCB (https://www.hivresearch.org/)
November 2022	Emory R Workshop: November 11, 2022 – for the Rollins COVID-19 Epidemiology Fellowship R Training
October 2022	Emory R Workshop: October 26, 2022 – for the R Workshop for Emory Rollins Mobile Health Collaborative
April 2022	CDC R Workshop April 21-22, 2022
March 2022	Workshop: R Workshop on Data Wrangling, Graphics and Mapping; for Emory Rollins Mobile Health Collaborative
November 2019	R Workshop on Rmarkdown November 12, 2019 (at Kennesaw State University)

August 2018	R Workshop: Regression Models and Presentation
July 2018	R Workshop: Univariate and Bivariate Stats and Graphics
June 2018	R Workshop: R and RStudio Basics and Simple Functions
March 2018	Reproducible Research Pipelines Using R and RStudio Best Practices for Analysis and Dissemination [SNRS 2018 Pre-conference Workshop; Atlanta, GA]
November 2016	R Workshop: Putting Everything Together for a Simple Statistical Analysis Report
October 2016	R Workshop: Tailoring Your Rmarkdown Reports
September 2016	R Workshop: What is Reproducible Research and Dynamic Documentation?
April 2016	R Workshop: Getting Started with Statistical Modeling with R
March 2016	R Workshop: Reproducible Reserach with R (data + Analysis + Documentation)
February 2016	R Workshop: Introduction to R, RStudio and Working in the R Environment
February 2016	R Workshop: Introductory Data Management, Statistical Analyses and Graphics with R
January 2016	R Workshop: Introduction to R, RStudio and Working in the R Environment
December 2012	Lunch and Learn: From Theory to Practice: Initial Data Assessment and Preliminary Analyses
December 2012	Basic Data Assessment: Cleaning Data, Handling Missing Data and Running Descriptive and Initial Statistics
October 2012	Lunch and Learn: Early Conceptualization of Data Collection and Management
October 2012	Data Collection, Coding and Import: Recommended Standards
February 2012	The Importance of “Correct “ Longitudinal Modeling?
April 2011	SPSS Introductory Workshop (for faculty pursuing their DNP degree)
March 2011	Publication/Writer’s Workshop: Statistical Consultation - How to Write Up Statistics and Data
April 2009	Categorical Data Analysis 2x2 Chi-Square Tests and Beyond (Multiple Categorical Variable Models)”
April 2009	Structural Equation Modeling (SEM)
March 2009	Multi-Level Models: What are they and How do they work?
February 2009	A Practical Approach to Power, Effect Size and Sample Size and A Hands-on Workshop for PASS
November 2008	Mediation versus Moderation
November 2008	How to Build a Regression Model
October 2008	How to Build a Regression Model
September 2008	I Have a Bunch of Data - Not What? Data Screening, Exploring and Clean-up
April 2008	Longitudinal Data - Repeated Measures, Survival (Time to Event) and Cox Proportional Hazards Models
April 2008	Research Design, Sources of Variance and Initial Discussion of Intent to Treat
February 2008	I Have a Bunch of Data - Not What? Data Screening, Exploring and Clean-up
December 2007	A Practical Approach to Power, Effect Size and Sample Size and A Hands-on Workshop for PASS
October 2007	Latent Variates and Multicollinearity - Good or Bad?

Doctor of Philosophy (student advisement)

Date	Student	School	Role
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current	Renee Byfield	Emory University - School of Nursing	Committee Member
current	Maggie Johnson	Emory University - School of Nursing	Committee Member
current	La-Urshalar Brock	Emory University - School of Nursing	Committee Member
current	Hina Raheel	Emory University - School of Nursing	Committee Member
current	Christopher (Hayden) Herring	Emory University - School of Nursing	Committee Member
current	Rebecca Ellis	Emory University - School of Nursing	Committee Member
current	Gayeong Kim	Emory University - School of Nursing	Committee Member
current	Megan Mayfield	Emory University - School of Nursing	Committee Member
current	Alyssa Monda	Emory University - School of Nursing	Committee Member
current	Emebet Berhane Woldemariam	Emory University - School of Nursing/ Addis Ababa University	Committee Member
current	Semarya Berhe Lemlem	Emory University - School of Nursing/ Addis Ababa University	Committee Member
current	Wudma Alemu	Emory University - School of Nursing/ Addis Ababa University	Committee Member
current	Yohannes Ayalew	Emory University - School of Nursing/ Addis Ababa University	Committee Member
current	Roza Teshome Kassa	Emory University - School of Nursing/ Addis Ababa University	Committee Member
2023	Daniel Mengistu "Cardiovascular Disease Risk Reduction Behaviors, Knowledge and Risk Perceptions of Adult Hypertensives in Addis Ababa, Ethiopia	Emory University - School of Nursing/ Addis Ababa University	Committee Member
2023	Crista Irwin "LivFit with HIV: Reducing inflammation and improving endothelial function with exercise adherence among older persons with HIV"	Emory University - School of Nursing	Committee Member

2023	Amy Kolwaite "Identifying and Addressing Healthcare Disparities in the Pediatric Acute Care Setting"	Emory University - School of Nursing	Committee Member
2022	Erica Davis "Relationships among Dietary Patterns, Metabolites, and Symptoms in Persons with Heart Failure"	Emory University - School of Nursing	Committee Member
2022	Lemlem Beza Symptom knowledge, delay in treatment - seeking behaviors, and associated socio-demographic and clinical factors among patients with acute coronary syndrome (ACS) admitted to an Emergency department in Addis Ababa, Ethiopia	Emory University - School of Nursing/ Addis Ababa University	Committee Member
2022	Jade McBroom "The Influence of Postpartum Retention in Care on Mortality in Women Living with HIV"	Emory University - School of Nursing	Committee Member
2022	Rosemary Kinuthia "Evaluation of Facility-Based Individual Differentiated Service Delivery Among Stable People Living with HIV in Nairobi, Kenya Using Mixed Methods Research"	Emory University - School of Nursing	Statistical Advisement
2022	Kent Hawthorn "The role of the circulating registered nurse in communicating and fostering relationships and the impact on time spent in the operating room"	Emory University - School of Nursing	Chair of Committee
2022	Shelia Jordan "The Role of Vitamin D in Hypertensive Disorders of Pregnancy and Gene Expression within an African American Cohort"	Emory University - School of Nursing	Statistical Advisement
2022	Carrie J. Henry "Relationships Among Strong Black Woman Belief, Coping Behaviors, Social Support, and Psychological Distress for Black Mothers After Stillbirth"	Emory University - School of Nursing	Statistical Advisement
2021	Amy Greenblatt "Characteristics and Treatment Outcomes of Adolescents with Disruptive Mood Dysregulation Disorder in Psychiatric Residential Treatment"	Emory University - School of Nursing	Committee Member
2020	William Gregory Johnson "Education Research Using Data Mining and Machine Learning with Computer Science Undergraduates"	Georgia State University – Computer Science	Committee Member
2020	Amy Blumling "The Relationship of Physical Function and Psychosocial Health on Quality of Life in Individuals with 48,XXYY"	Emory University - School of Nursing	Statistical Advisement
2019	Moka Yoo "Social Isolation and Retention in Care among Older Adults Living with HIV/AIDS"	Emory University - School of Nursing	Statistical Advisement
2019	Fekadu Aga "Correlates of Diabetes Self-Care Behaviors in the Context of Comorbid Heart Failure"	Emory University - School of Nursing/Addis Ababa University	Committee Member

2019	Telisa Spikes “Hypertensive Medication Adherence in Young Adult African American Women 18-45 Years of Age”	Emory University - School of Nursing	Committee Member
2018	Udia Otuguor “Heart Failure Family Caregiver Sleep Quality and Physical, Psychological, and Physiologic Outcomes”	Emory University - School of Nursing	Committee Member
2018	Mariya Kovaleva “Experiences of Caregivers of Dementia Patients with an Integrated Primary Care Model”	Emory University - School of Nursing	Statistical Advisement
2018	Blake McGee: “How Does Prescription Drug Spending Affect Medication Adherence, Acute Care Use, and Health Care Costs in Heart Failure?”	Emory University - School of Nursing	Committee Member
2018	Sara Edwards: “Brain-Gut Axis and Its Influence on Gestational Weight Gain”	Emory University - School of Nursing	Statistical Advisement
2017	Maya Baumann: “Theoretical Factors Associated with Real-time Use of an mHealth App Designed for HIV Self-management”	Emory University - School of Nursing	Committee Member
2017	Kate Woeber: “Use of a Theoretical Model to Evaluate and Strategically Scale-Up Midwifery Education and Workforce”	Emory University - School of Nursing	Committee Member
2017	Alexis Dunn: “Complement Activation and Perinatal Outcomes in African American Women”	Emory University - School of Nursing	Statistical Advisement
2017	Jennifer Vanderlaan: “Associations between Delivery Hospital Obstetric Service Level and Selected Maternal and Perinatal Outcomes for High Risk Women”	Emory University - School of Nursing	Statistical Advisement
2016	Brittany Butts: “Effects of Exercise on Epigenetic Pathways in Persons with Heart Failure”	Emory University - School of Nursing	Statistical Advisement
2016	Valerie Mac: “Characterizing Heat-Related Illness in Florida Farmworkers: A Feasibility Study”	Emory University - School of Nursing	Statistical Advisement
2016	Augustina Mara Delaney: “Psychosocial, clinical, and behavioral factors related to dual method contraceptive use in HIV positive women”	Emory University - School of Nursing	Statistical Advisement
2015	Tingting Liu: “A Comparison of Biological, Physical, and Psychological Risk Factors for Cardiovascular Disease In Overweight/Obese Individuals With and Without Prediabetes”	Emory University - School of Nursing	Statistical Advisement
2015	Nancy McCabe: “Antecedents and Outcomes of Self-Care in Adults with Congenital Heart Disease”	Emory University - School of Nursing	Statistical Advisement
2015	Priscilla Hall: “Keeping it Together, Falling Apart and Everything in Between: A Phenomenology of Women’s Experiences of Childbirth”	Emory University - School of Nursing	Statistical Advisement
2014	Debbie Stevens: “Caregiver Burden and Racial Discrimination in African Americans: A Mixed Methods Study of Chronic Stress”	Emory University - School of Nursing	Statistical Advisement

2013	Michelle Dynes: "Sociocultural Factors Shaping Trust and Teamwork among Community Maternal and Newborn Health Workers in Rural Ethiopia"	Emory University - School of Nursing	Statistical Advisement
2013	Erin Ferranti: "Dietary Quality and Cardiometabolic Risk after Gestational Diabetes"	Emory University - School of Nursing	Statistical Advisement
2013	Hanna Demeke: "Relationships between HIV-related Stigma, Coping, Social Support and Health-related Quality of Life in People Living with HIV/AIDS"	Emory University - School of Nursing	Statistical Advisement
2013	Genevieve Antoinette Desaulniers: "Sleep Disturbance in Adolescent Survivors of Childhood Cancer"	Emory University - School of Nursing	Statistical Advisement
2012	Terri Marin: "Mesenteric Perfusion Pattern Changes as the Result of Packed Red Blood Cell Transfusions in Preterm Infants"	Emory University - School of Nursing	Statistical Advisement
2012	Kristen VanderEnde: "Community-level Correlates of Intimate Partner Violence Against Women in Bangladesh"	Emory University - School of Nursing	Statistical Advisement
2012	Jessica Holmes: "Chemotherapy Adherence Decision Making in Early Stage Breast Cancer"	Emory University - School of Nursing	Statistical Advisement
2012	Kate Yeager: "Symptoms and Self-Management in Low Income African Americans with Advanced Cancer"	Emory University - School of Nursing	Statistical Advisement
2010	Ingrid Duva: "Factors Impacting Staff Nurse Care Coordination"	Emory University - School of Nursing	Statistical Advisement
2010	Joyce Edmonds: "Social Networks, Decision Making and Use of Skilled Birth Attendants to Prevent Maternal Mortality in Matlab, Bangladesh"	Emory University - School of Nursing	Committee Member

Doctor of Nursing Practice (student advisement)

Date	Student	School	Role
2016	Paula Tucker: Doctorate of Nursing Practice	Emory University - School of Nursing	Statistical Advisement
2016	Eve Byrd: Doctorate of Nursing Practice	Emory University - School of Nursing	Statistical Advisement

Masters of Science (student advisement)

Date	Student	School	Role
2016	Marion Rice: “Low medication adherence associated with low intrinsic motivation: an observational study in rural Georgia HIV clinics”	Emory University - School of Public Health	Statistical Advisement
2015	Amy Greenglatt: Masters of Public Health “Relational Correlates of Mental Illness Stigma in Female Adolescents”	Emory University - School of Public Health	Thesis Committee Member
2014	Megan Jo Thompson: Masters of Public Health “Nursing Workforce Distribution in Kenya”	Emory University - School of Public Health	Statistical Advisement
2004	Lawrence Anthony Faragotti, Masters of Science in Aerospace Engineering Thesis: Sensitivity Analysis of the C-130 Sensor Deployment System Arm using Finite Element Methods	University of West Virginia - Department of Mechanical and Aerospace Engineering, Morgantown, WV.	PI/Sponsor of Contract That Funded This Work
2004	Robert Paul Hayes, Masters of Science in Electrical Engineering Thesis: Control System Design for a C-130 RO-RO Sensor Deployment Platform	West Virginia University – Lane Department of Computer Science and Electrical Engineering, Morgantown, WV	PI/Sponsor of Contract That Funded This Work
2004	Adam C. Naternicola, Masters of Science in Mechanical Engineering Thesis: Dynamic Modal Analysis and Optimization of C-130 Project Oculus’ Mechanical Arm/Pod Sensor Deployment System Using the Finite Element Method	West Virginia University – Department of Mechanical and Aerospace Engineering, Morgantown, WV	PI/Sponsor of Contract That Funded This Work
2004	Zenovy S. Wowczuk, Masters of Science in Mechanical Engineering Thesis: Design of a Standardized Sensor Pallet Platform for a C-130 Aircraft	West Virginia University – Department of Mechanical and Aerospace Engineering, Morgantown, WV	PI/Sponsor of Contract That Funded This Work
2004	Derrick Karimi, Masters of Science in Computing	Georgia Institute of Technology - College of Computing	PI/Sponsor of Contract That Funded This Work

Bachelor's of Science (student advisement)

Date	Student	School	Role
2017	Lindsay Markham (BSN Honors Thesis)	Emory University - School of Nursing	Honors Thesis Reader
2016	Treeah Majors (BSN Honors Thesis)	Emory University - School of Nursing	Honors Thesis Reader
2016	Molly Jobe (BSN Honors Thesis)	Emory University - School of Nursing	Statistical Advisement
2016	Rebecca Chambers (BSN Honors Thesis)	Emory University - School of Nursing	Statistical Advisement
2016	Rubi Garcia (BSN Honors Thesis)	Emory University - School of Nursing	Statistical Advisement
2015	Jeong Hee (BSN Honors Thesis)	Emory University - School of Nursing	Statistical Advisement

Professional and University Service Activities

Membership and Leadership in Professional Organizations

Dates	Organization Name	Role
2024	American Statistical Association (ASA)	Nominated for 2025 TSHS Section Representative to Council of Sections
2023-2025	American Statistical Association (ASA)	Chair of Teaching Statistics in the Health Sciences Section
2022	American Statistical Association (ASA)	Nominated for 2023-2025 Chair Teaching Statistics in the Health Sciences Section
2022	American Statistical Association (ASA)	Nominated for 2023-2025 Chair of Council of Chapters Governing Board
2020-2022	American Statistical Association (ASA)	Elected to Vice Chair of District 5; Member of Council of Chapters Governing Board
2018 - current	R-Ladies - Atlanta Chapter	co-Founder
2017 - current	American Heart Association (AHA)	Member
2014 - current	Georgia Chapter of the American Statistics Association (ASA)	Georgia Chapter Representative to the National ASA (and backup Treasurer)
1994 - current	American Chemical Society	Member
2009 - 2014	Georgia Chapter of the American Statistics Association (ASA)	President
2008 - 2011	SENSIAC TATs (Military Sensing Information Analysis Center - Technical Area Tasks)	co-Manager
2008 - 2009	Georgia Chapter of the American Statistics Association (ASA)	Vice-President
2006 - 2008	Georgia Chapter of the American Statistics Association (ASA)	Secretary
2006 - 2007	Air Force Scientific Advisory Board	Consultant
2005 - 2007	Technology Partnership Council for Homeland Defense	National Guard Bureau Technology Advisor
2004 - current	Association Statistical Association (ASA)	Member
2004 - 2017	American Society for Photogrammetry and Remote Sensing (ASPRS)	Member
2002 - 2005	National Institute of Justice: Border Technology Research Center Advisory Council	Member
2001 - 2011	International Society for Information Fusion	Member
1998 - 2011	National Guard Bureau Technology Consortium	Program Manager
1996 - current	North American Chapter of the International Chemometrics Society (NAMICS)	Member
1996 - 1998	Atlanta/Athens Mass Spectrometry Discussion Group	Member

Editorships and Editorial Boards

Dates	Role	Journal
2025-current	Associate Editor https://www.tandfonline.com/journals/ujse21/about-this-journal#aims-and-scope	Journal of Statistics and Data Science Education (JSDSE)
2023-current	Associate Editor https://onlinelibrary.wiley.com/page/journal/1098240x/homepage/editorialboard.html	Research in Nursing and Health (RINAH)
2023	Editorial Board https://journals.sagepub.com/editorial-board/cnr	Clinical Nursing Research

Manuscript Reviewer

Dates	Journal
2018 - 2018	Statistics in Medicine
2016 - 2018	Western Journal of Nursing Research (WJNR)
2015 - 2023	Journal of Statistics Education
2014 - 2014	Field Methods
2012 - 2020	Research in Nursing & Health

National and International Consultation

Year	Activity
2023	HJF R Lecture - For Data Coordinating and Analysis Center (DCAC) HJF Global Infectious Diseases; In support of MHRP, EIDB, and DCB (https://www.hivresearch.org/)
2022	Centers for Disease Control and Prevention (CDC) - Professional Consulting and Teaching - 2-days Short Course on R and RStudio
2020	Centers for Disease Control and Prevention (CDC) - Professional Consulting and Teaching - 2-days Short Course on R and RStudio
2016	Centers for Disease Control and Prevention (CDC) - Professional Consulting and Teaching - 2-days Short Course on R and RStudio
1996	Expert Witness: Analytical analyses performed under project GTRI: T-1156-000 for Powell, Goldstein, Frazer, and Murphy, Law Firm, produced a final report entitled "Chemical Emissions from Commercial Products," which was instrumental in settling the court case in question. (Final Report Issued July 1996).

Emory University Service

Dates	Organization Name	Role
2021 - current	Advancing Collaborative Biostatistics at Emory (ACBE)	Member/Coordinator
2017 Fall	Emory Data Science Research and Education Academic Learning Community	Member
2014 - current	Emory Center for Health Discovery and WellBeing (CHDWB)/Predictive Health Institute (PHI) Executive Committee	Member and Author of CHDWB/PHI Database Codebook (online website book)
2014 - current	Emory Information Technology Steering Committee	Member

Nell Hodgson Woodruff School of Nursing Service

Dates	Organization Name	Role
2024	Student & Fellows Scholars' Day	Judge (04/15/2024)
2023	Student & Fellows Scholars' Day	Judge (04/24/2023)
2022	Student & Fellows Scholars' Day	Judge (04/18/2022)
2021 - current	Research and Innovation Strategy Council	Member
2012 - 2013	Research Committee	Member and Organizer of Abstracts Compilation and Judging
2011 - current	Ph.D. Faculty Committee	Member
2011 - 2011	Ph.D. Curriculum Committee	Member

Other Community Service

Dates	Organization Name	Role
2016 - 2021	Boy Scout Troop 18; Atlanta Area Council; Atlanta, GA	Advancement Committee

2014 - 2017	Science Fair at Druid Hills Middle School; Atlanta, GA	Director and Organizer
2014 - 2014	Science Olympiad DeKalb County; Atlanta, GA	Parent Coach
2010 - 2014	Cub Scout Pack 6; Atlanta Area Council; Atlanta, GA	Den Leader
2008 - 2008	2008 Intel Science and Engineering Science Fair (Georgia World Congress Center, Atlanta, GA)	Volunteer Judge for the American Statistical Association (ASA)

Prior Service at Other Universities

Dates	Organization Name	Role
2009 - 2011	Center for Advanced Brain Imaging (CABI) - Georgia Institute of Technology/Georgia State University - Institutional Review Board (IRB)	Member
2004 - 2005	Georgia Tech Research Institute (GTRI) Mentor- Mentee Program (FY05)	Senior Mentor to Amy Cook
2002 - 2005	Georgia Tech Institute of Technology Faculty Council	Georgia Tech Research Institute (GTRI) Representative
2002 - 2004	Georgia Tech Research Institute (GTRI) - AIST Guidance Council	Member
1998 - 1998	Georgia Tech Research Institute (GTRI) Career Fair	Speaker and Volunteer
1997 - 2003	Georgia Tech Research Institute (GTRI) Law Enforcement and Public Safety Initiative Development Group	Primary Member
1997 - 1999	Georgia Tech Research Institute (GTRI) Learning Technologies Initiative Development Group	Primary Member
1996 - 1998	Georgia Tech Test and Evaluation Research and Education Center	Member
1996 - 1998	Georgia Tech Society of Women Engineers - Female High School Student Outreach (Spring 1996, 1997, 1998)	Speaker and Volunteer