

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
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

Combustion of plastic waste and human health effects in Guatemala (PI: Thompson, Lisa Marie)
(NIH, 3 %, Co-investigator, 2020-07-01 to 2025-06-30, total costs \$3,373,168)

Feasibility of Deploying the National Diabetes Prevention Program plus Soccer for Latino Men (PI: Lobelo, Roberto)
(NIH, 2.5 %, Co-investigator, 2020-07-01 to 2022-06-30, total costs \$429,000)

Perinatal Outcomes among Pregnant Women in State Prisons (PI: Baker, Brenda)
(HRSA, 10 %, Co-investigator, 2020-07-01 to 2023-06-30, total costs \$777,912)

Exercise + Resistance Training to Improve Symptoms, Skeletal Muscle, and Functional Capacity in HFpEF (EXERT-HFpEF) (PI: Butts, Brittany)
(NIH, 0 % (cost-shared), Co-investigator, 2020-09-01 to 2023-08-31, total costs \$494,371)

Early risk factors of accelerated neural aging trajectories and cognitive decline: a nonhuman primate longitudinal model (PI: Sanchez, Mar)
(NIH, 5 %, Co-investigator, 2020-09-01 to 2025-08-31, total costs \$5,502,794)

Impact of Opioid Free Anesthesia on Total Perioperative Opioid Consumption and Patient Satisfaction (PI: Wiltse Nicely, Kelly)
(UC-Davis, 5 %, Co-investigator, 2020-07-01 to 2023-06-30, total costs \$424,279)

Understanding neurobiology of risk for cocaine relapse in a nonhuman primate model (PI: Sanchez, Mar)
(NIH, 5 %, Co-investigator, 2020-09-01 to 2025-08-31, total costs \$4,318,133)

Research Grants Funded

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, 10 %, Co-investigator, 2019-09-15 to 2024-09-14, total costs \$3,746,427)

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 [P30AG064200], 7.5 %, Co-investigator, 2018-09-30 to 2022-05-31, total costs \$2,146,377)

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)

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)

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-NICHHD, 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-NICHD, 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)

Prgnancy 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

Exercise + Resistance Training to Improve Symptoms, Skeletal Muscle, and Functional Capacity in HFpEF (EXERT-HFpEF) (PI: Butts, Brittany)

(NIH, 0 % (cost-shared), Co-investigator, 2020-09-01 to 2023-08-31, total costs \$494,371)

CHAnge-makers in Research and Graduate Education (CHARGE): A Training Program in Nursing Data Science (PI: Hertzberg, Vicki)

(NIH [Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant (Parent T32)], 0 %, Mentor, 2019-04-01 to 2024-03-31, total costs \$2,293,678)

Educational, Training, and Program Grants Funded

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)

Training in Interventions to Improve Outcomes in Chronic Conditions (PI: Dunbar, Sandra)
(NIH, T32NR012715, 0 %, Mentor, 2012-07-01 to 2019-06-30, total costs \$155,877)

Funded Studies @ Emory Healthcare (49 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)

Date	Title	Hospital	Nursing PI
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 perce	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. Wollenhaup
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 (New Name)	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	EUHM	L. Cook

	Intravenous Catheter Insertion in Preterm and Term Newborns		
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 (<i>Mentha piperita</i>) 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)

MECOC 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)

MECOC 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)

MECOC 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 18; SCOPUS 20; Europe PMC 14; Dimensions 16)

Original Articles in Peer-Reviewed Journals (111 articles)

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

1. *Mapp, CP., Hostetler D, Sable JF, Parker C, Gouge E, Masterson M, Willis-Styles M, Fortner C, **Higgins M**. (2020). Peppermint Oil: Evaluating Efficacy on Nausea in Patients Receiving Chemotherapy in the Ambulatory Setting. *Clinical Journal of Oncology Nursing* 24(2), 160-164. <https://doi.org/10.1188/20.cjon.160-164>, PMID: 32196008.
2. *Bidwell JT, Lee CS, **Higgins MK**, Reilly CM, Clark PC, Dunbar SB. (2020). Caregiver Strain and Heart Failure Patient Clinical Event Risk: An Extension of Previous Work. *Journal of Cardiovascular Nursing* 35(3), 262-267. <https://doi.org/10.1097/jcn.0000000000000665>. PMID: 32221144.
3. *+Jones LK, Jennings BM, **Higgins MK**, de Waal FBM. (2020). Uncovering the Drape: Observing its Impact on Communication With Anesthesia Providers. *Environment and Behavior* (published online 17 February 2020). <https://doi.org/10.1177%2F0013916520906486>.
4. *Grabbe L, **Higgins M**, Jordan D, Noxsel L, Gibson B, Murphy J. (2020). The Community Resiliency Model®: a Pilot of an Interception Intervention to Increase the Emotional Self-Regulation of Women in Addiction Treatment. *International Journal of Mental Health and Addiction* (published online 06 Jan 2020). <https://doi.org/10.1007/s11469-019-00189-9>.
5. *+McGee BT, **Higgins MK**, Phillips V, Butler J. (2019). Prescription drug spending and hospital use among Medicare beneficiaries with heart failure. *Research in Social and Administrative Pharmacy* (published online 26 Dec 2019). <https://doi.org/10.1016/j.sapharm.2019.12.019>. PMID 31953113.
6. *+Aga F, Dunbar SB, Kebede T, **Higgins MK**, Gary R. (2020). Sociodemographic and clinical correlates of diabetes self-efficacy in adults with type 2 diabetes and comorbid heart failure. *Research in Nursing and Health*, 43(1), 79-89. <https://doi.org/10.1002/nur.21999>. PMID: 31773764.
7. *Grabbe L, **Higgins MK**, Baird M, Craven PA, San Fratello S. (2019). The Community Resiliency Model® to promote nurse well-being. *Nursing Outlook* (published online 15 November 2019). <https://doi.org/10.1016/j.outlook.2019.11.002>. PMID: 31894015.
8. *Wittig-Wells D, Sapp P, **Higgins M**, Davis E, Carter J, Jacob A. (2019) Randomized Controlled Trial of a Natural Food-Based Fiber Solution to Prevent Constipation in Postoperative Spine Fusion Patients. *Orthopaedic Nursing*, 38(6), 367-372. <https://doi.org/10.1097/nor.0000000000000606>. PMID: 31764900.
9. *+Spikes T, **Higgins M**, Lewis T, Dunbar SB. (2019). The associations among illness perceptions, resilient coping, and medication adherence in young adult hypertensive black women. *Journal of Clinical Hypertension (Greenwich)*, 21(11), 1695-1704. <https://doi.org/10.1111/jch.13712>. PMID: 31556484, PMCID: PMC6851441.
10. *Brewster GS, Epps F, Dye CE, Hepburn K, **Higgins MK**, Parker ML. (2019). The Effect of the "Great Village" on Psychological Outcomes, Burden, and Mastery in African American Caregivers of Persons Living With Dementia. *Journal of Applied Gerontology* (published online 19

September 2019). <https://doi.org/10.1177/0733464819874574>. PMID: 31535922, PMCID: PMC7080571.

11. Hayat, Matthew J.; Staggs, Vincent S.; Schwartz, Todd A.; **Higgins, Melinda K.**; Azuero, Andres; Budhathoki, Chakra; Chandrasekhar, Rameela; Cook, Paul; Cramer, Emily; Dietrich, Mary S.; Garnier-Villarreal, Mauricio; Hanlon, Alexandra; He, Jianghua; Hu, Jinxiang; Kim, MyoungJin; Mueller, Martina; Nolan, Joseph R.; Perkhounkova, Yelena; Rothers, Janet; Schluck, Glenna; Su, Xiaogang; Templin, Thomas N.; Weaver, Michael T.; Yang, Qing; Ye, Sangbeak; (2019). Moving Nursing Beyond p < .05. *Research and Theory for Nursing Practice* 33(3):217-221 01 Aug 2019. <https://doi.org/10.1891/1541-6577.33.3.217>. PMID: 31615940.
12. Hayat, Matthew J.; Staggs, Vincent S.; Schwartz, Todd A.; **Higgins, Melinda K.**; Azuero, Andres; Budhathoki, Chakra; Chandrasekhar, Rameela; Cook, Paul; Cramer, Emily; Dietrich, Mary S.; Garnier-Villarreal, Mauricio; Hanlon, Alexandra; He, Jianghua; Hu, Jinxiang; Kim, MyoungJin; Mueller, Martina; Nolan, Joseph R.; Perkhounkova, Yelena; Rothers, Janet; Schluck, Glenna; Su, Xiaogang; Templin, Thomas N.; Weaver, Michael T.; Yang, Qing; Ye, Sangbeak; (2019). Moving Nursing Beyond p < .05. *Nursing Outlook*, 67(5): 509-510. <https://doi.org/10.1016/j.outlook.2019.06.010>. PMID: 31375344.
13. Hayat, Matthew J.; Staggs, Vincent S.; Schwartz, Todd A.; **Higgins, Melinda K.**; Azuero, Andres; Budhathoki, Chakra; Chandrasekhar, Rameela; Cook, Paul; Cramer, Emily; Dietrich, Mary S.; Garnier-Villarreal, Mauricio; Hanlon, Alexandra; He, Jianghua; Hu, Jinxiang; Kim, MyoungJin; Mueller, Martina; Nolan, Joseph R.; Perkhounkova, Yelena; Rothers, Janet; Schluck, Glenna; Su, Xiaogang; Templin, Thomas N.; Weaver, Michael T.; Yang, Qing; Ye, Sangbeak; (2019). Moving Nursing Beyond p < .05. *Research in Nursing and Health*, 42(4): 244-245. <https://doi.org/10.1002/nur.21954>. PMID: 31250931.
14. Hayat, Matthew J.; Staggs, Vincent S.; Schwartz, Todd A.; **Higgins, Melinda K.**; Azuero, Andres; Budhathoki, Chakra; Chandrasekhar, Rameela; Cook, Paul; Cramer, Emily; Dietrich, Mary S.; Garnier-Villarreal, Mauricio; Hanlon, Alexandra; He, Jianghua; Hu, Jinxiang; Kim, MyoungJin; Mueller, Martina; Nolan, Joseph R.; Perkhounkova, Yelena; Rothers, Janet; Schluck, Glenna; Su, Xiaogang; Templin, Thomas N.; Weaver, Michael T.; Yang, Qing; Ye, Sangbeak; (2019). Moving Nursing Beyond p < .05. *International Journal of Nursing Studies*, 95: A1-A2. <https://doi.org/10.1016/j.ijnurstu.2019.05.012>.
15. *+Aga FB, Dunbar SB, Kebede T, **Higgins MK**, Gary RA. (2019). Correlates of Self-Care Behaviors in Adults With Type 2 Diabetes and Comorbid Heart Failure. *Diabetes Educator*. 45(4):380-396. <https://doi.org/10.1177/0145721719855752>. PMID: 31195903.
16. *+McGee BT, Phillips V, **Higgins MK**, Butler J. (2019). Prescription Drug Spending and Medication Adherence Among Medicare Beneficiaries with Heart Failure. *Journal of Managed Care and Specialty Pharmacy* 25(6):705-713. <https://doi.org/10.18553/jmcp.2019.25.6.705>. PMID: 31134861.
17. *Holstad MM, Higgins M, Bauman M, Farber EW, Waldrop-Valverde D, Okwandu O, Ofotokun I. (2019). Picture Pill Count: An Innovative, Reliable, Valid and Feasible Method to Measure Adherence to ART. *AIDS and Behavior*, 23(8):2210-2217. <https://doi.org/10.1007/s10461-019-02513-9>. PMID: 31041625.
18. *Wittig-Wells, D.; **Higgins, M. K.** (in press); Carter, J.; Davis, E.; Johnson, I. Samms-McPherson, J.; Sims, S. Impact of a Pre-Set Daily Cellphone Alarm on Medication Adherence for Aspirin as Anti-

Thrombotic Therapy. *Orthopaedic Nursing*. 38(5), 311-316.
<https://doi.org/10.1097/nor.0000000000000592>. PMID: 31568119.

19. *Peters, C.; Bowen, B.; Jusino-Leon, G.; Kooran, S.; Smith, D.; **Higgins, M.**; Spinks, K. (2019). Structured DVD Education: Impact on Teaching Satisfaction and Anxiety Among Patients With Leukemia and Lymphoma and Their Family Members. *Clinical Journal of Oncology Nursing*, 23(2), 181-190. <https://doi.org/10.1188/19.CJON.181-190>, PMID: 30880807.
20. *Gullatte, M.; Allen, S.; Botheroyd, E.; Hess, R.; **Higgins, M.**; Meneghetti, J.; Mullings, S.; Mensik, J.; Okonye, J.; Salmon, N. (2019) Improving End-of-Life Communications Using Technology-Assisted Continuing Education With Interprofessional Teams. *Journal for Nurses in Professional Development*, 35(1), 25-31. <https://doi.org/10.1097/NND.0000000000000514>, PMID: 30608317.
21. *+Spikes, T.; **Higgins, M.**; Quyyumi, A.; Reilly, C.; Pemu, P.; Dunbar, S.; (2019). The Relationship Among Health Beliefs, Depressive Symptoms, Medication Adherence, and Social Support in African Americans With Hypertension. *Journal of Cardiovascular Nursing*, 34(1), 44-51. <https://doi-org.proxy.library.edu/10.1097/JCN.0000000000000519>; PMID: 30273259.
22. .Wright, M. L., **Higgins, M. K.**, Taylor, J. Y., & Hertzberg, V. S. (2019). NuRsing research in the 21st century, r you ready? *Biologic Research for Nursing*, 21(1), 114-120. <https://doi.org/10.1177/1099800418810514>; PMID: 30384771.
23. *Tepei, G.; Victor, P.; John, A.; Mtabo, J.; Mwaipasi, L.; Sebastian, A.; Thernize, M.; Vardier, S.; Gomes, E.; **Higgins, M.** (2018). Using a patient communication poster to triage care needs between the registered nurse and nursing assistant: a randomized controlled trial. *MEDSURG Nursing*. 27(5): 315-322.
24. *Michaliszyn, S.; **Higgins, M.**; Faulkner, M. (2018). Patterns of Physical Activity Adherence by Adolescents With Diabetes or Obesity Enrolled in a Personalized Community-Based Intervention. *Diabetes Educator*, 44(6), 519-530. <https://doi.org/10.1177/0145721718805693>, PMID: 30306834.
25. *Gates, D.; Bradley, L.; John, O.; Shepard, T.; Horner, V.; **Higgins, M.**; (2018). Temperature Measurements: Comparison of different thermometer types for patients with cancer. *Clinical Journal of Oncology*. 22(6), 611-617. <https://doi.org/10.1188/18.CJON.611-617>, PMID: 30452002.
26. *+Jones, L. K., Jennings, B. M., **Higgins, M. K.**, & de Waal, F. B. M. (2018). Ethological observation of social behavior in the operating room. *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*, 115(29), 7575-7580. <https://doi-org.proxy.library.emory.edu/10.1073/pnas.1716883115>; PMID: 29967170; PMCID: PMC6055187
27. *Gary, R., Dunbar, S. B., **Higgins, M.**, +Butts, B., Corwin, E., Hepburn, K., Butler, J., & Miller, A. H. (2018). An intervention to improve physical function and caregiver perceptions in family caregivers of persons with heart failure. *Journal of Applied Gerontology: The Official Journal of the Southern Gerontological Society*, (online first January 18, 2018). <https://doi.org/10.1177/0733464817746757>; PMID: 29347863
28. *+Gross, J. M., McCarthy, C. F., Verani, A. R., Iliffe, J., Kelley, M. A., Hepburn, K. W., **Higgins, M. K.**, Kalula, A. T., Waudu, A. N., & Riley, P. L. (2018). Evaluation of the impact of the ARC program on national nursing and midwifery regulations, leadership, and organizational capacity in east, central, and southern africa. *BMC Health Services Research*, 18:406, 1-11. <https://doi.org/10.1186/s12913-018-3233-4>; PMID: 29866081

29. *Graven, L. J., **Higgins, M. K.**, Reilly, C. M., & Dunbar, S. B. (2018). Heart failure symptoms profile associated with depressive symptoms. *Clinical Nursing Research, (online first February 14, 2018)*. <https://doi.org/10.1177/1054773818757312>; PMID: 29441796
30. *+Bidwell, J. T., **Higgins, M. K.**, Reilly, C. M., Clark, P. C., & Dunbar, S. B. (2018). Shared heart failure knowledge and self-care outcomes in patient-caregiver dyads. *Heart & Lung: The Journal of Critical Care, 47*(1), 32–39. <https://doi.org/10.1016/j.hrtlng.2017.11.001>; PMID: 29153759; PMCID: PMC5722704
31. *Griffiths, P. C., +Kovaleva, M., **Higgins, M.**, Langston, A. H., & Hepburn, K. (2018). Tele-savvy: An online program for dementia caregivers. *American Journal of Alzheimer's Disease and Other Dementias, 33*(5), 269-276. <https://doi.org/10.1177/1533317518755331>; PMID: 29544342
32. +Kovaleva, M. A., Bilsborough, E., Griffiths, P. C., Nocera, J., **Higgins, M.**, Epps, F., Kilgore, K., Lindauer, A., Morhardt, D., Shah, R. C., & Hepburn, K. (2018). Testing tele-savvy: Protocol for a randomized controlled trial. *Research in Nursing & Health, 41*(2), 107–120. <https://doi.org/10.1002/nur.21859>; PMID: 29399825
33. *+Butts, B., **Higgins, M.**, Dunbar, S., & Reilly, C. (2018). The third time's a charm: Psychometric testing and update of the atlanta heart failure knowledge test. *The Journal of Cardiovascular Nursing, 33*(1), 13–21. <https://doi.org/10.1097/JCN.0000000000000413>; PMID: 28481824; PMCID: PMC5671919
34. **Higgins, M. K.**, Simpson, Roy L., & Johnson, William Gregory. (2018). What about big data and nursing? *American Nurse Today, 13*(5), 29–31. Retrieved from <https://www.americannursetoday.com/big-data-nursing/>
35. *Routledge, F. S., Dunbar, S. B., **Higgins, M.**, Rogers, A. E., +Feeley, C., Ioachimescu, O., Euwer, K., Eapen, D., & Quyyumi, A. (2017). Insomnia symptoms are associated with abnormal endothelial function. *The Journal of Cardiovascular Nursing, 32*(1), 78–85. <https://doi.org/10.1097/JCN.0000000000000295>; PMID: 26488555; PMCID: PMC4837092
36. *Thomas, T. L., Strickland, O. L., & **Higgins, M.** (2017). Mothers, fathers, sons, and human papillomavirus immunization practices. *Family & Community Health, 40*(3), 278–287. <https://doi.org/10.1097/FCH.000000000000104>; PMID: 28525447
37. *Reyes, I., & **Higgins, M.** (2017). Parental perception of child's body mass index and health within primary care. *Journal of the American Association of Nurse Practitioners, 29*(7), 375–383. <https://doi.org/10.1002/2327-6924.12463>; PMID: 28440560
38. *Zhang, W., **Higgins, M.**, Wongtrakool, C., & Sadikot, R. (2017). Predicting risk factors for COPD hospital readmission: A big data analysis. *CHEST, 152*(4), A806. <https://doi.org/10.1016/j.chest.2017.08.837>
39. *+Zauche, L. H., Darcy Mahoney, A. E., & **Higgins, M. K.** (2017). Predictors of co-occurring neurodevelopmental disabilities in children with autism spectrum disorders. *Journal of Pediatric Nursing, 35*, 113–119. <https://doi.org/10.1016/j.pedn.2017.04.002>; PMID: 28728761
40. *Graven, L. J., Martorella, G., Gordon, G., Grant Keltner, J. S., & **Higgins, M. K.** (2017). Predictors of depression in outpatients with heart failure: An observational study. *International Journal of Nursing Studies, 69*, 57–65. <https://doi.org/10.1016/j.ijnurstu.2017.01.014>; PMID: 28182959
41. *Cook, L. M., Nichols-Dada, J., Damani, S., Lawrence, V., Layson, S., Mitchell, D., Muhammad, S., Samaniego-Yamin, L., Talley, J. W., VanNatta, B., **Higgins, M.**, & Cooley, K. (2017). Randomized

clinical trial of 24% oral sucrose to decrease pain associated with peripheral intravenous catheter insertion in preterm and term newborns. *Advances in Neonatal Care: Official Journal of the National Association of Neonatal Nurses*, 17(1), E3–E11.

<https://doi.org/10.1097/ANC.0000000000000326>; PMID: 27533333

42. *Wu, J.-R., Reilly, C. M., Holland, J., **Higgins, M.**, Clark, P. C., & Dunbar, S. B. (2017). Relationship of health literacy of heart failure patients and their family members on heart failure knowledge and self-care. *Journal of Family Nursing*, 23(1), 116–137.
<https://doi.org/10.1177/1074840716684808>; PMID: 28795936
43. *Wittig-Wells, D., Shapiro, S., **Higgins, M.**, Samms-McPherson, J., Winterboer, D. S., Johnson, I., Carter, J., & Jacob, A. (2017). Self-reported rates of adherence to aspirin prescribed as an antithrombotic therapy following postoperative total joint replacement. *Orthopedic Nursing*, 36(4), 287–292. <https://doi.org/10.1097/NOR.0000000000000367>; PMID: 28737637
44. *+McCabe, N., Butler, J., Dunbar, S. B., **Higgins, M.**, & Reilly, C. (2017). Six-minute walk distance predicts 30-day readmission after acute heart failure hospitalization. *Heart & Lung: The Journal of Critical Care*, 46(4), 287–292. <https://doi.org/10.1016/j.hrtlng.2017.04.001>; PMID: 28551310
45. Kaplow, R., Shapiro, S., & **Higgins, M.** (2017). The CNS as a researcher: Review of concepts. *Clinical Nurse Specialist CNS*, 31(1), 12–16. <https://doi.org/10.1097/NUR.0000000000000267>; PMID: 27906727
46. *Bruner, D. W., Dunbar, S., **Higgins, M.**, & Martyn, K. (2016). Benchmarking and gap analysis of faculty mentorship priorities and how well they are met. *Nursing Outlook*, 64(4), 321–331. <https://doi.org/10.1016/j.outlook.2016.02.008>; PMID: 27105829
47. *Brantley, A., Collins-Brown, S., Kirkland, J., Knapp, M., Pressley, J., **Higgins, M.**, & McMurtry, J. P. (2016). Clinical trial of an educational program to decrease monitor alarms in a medical intensive care unit. *AACN Advanced Critical Care*, 27(3), 283–289. <https://doi.org/10.4037/aacnacc2016110>; PMID: 27959311
48. *+Greenblatt, A. M., Pinto, M. D., **Higgins, M. K.**, & Berg, C. J. (2016). Exploring the relationships among level of contact, nature of contact, and mental illness stigma in adolescent girls. *Issues in Mental Health Nursing*, 37(1), 10–18. <https://doi.org/10.3109/01612840.2015.1087604>; PMID: 26818928
49. *Stamp, K. D., Dunbar, S. B., Clark, P. C., Reilly, C. M., Gary, R. A., **Higgins, M.**, & Ryan, R. M. (2016). Family partner intervention influences self-care confidence and treatment self-regulation in patients with heart failure. *European Journal of Cardiovascular Nursing: Journal of the Working Group on Cardiovascular Nursing of the European Society of Cardiology*, 15(5), 317–327. <https://doi.org/10.1177/1474515115572047>; PMID: 25673525; PMCID: PMC4532663
50. *Dunbar, S. B., Clark, P. C., Stamp, K. D., Reilly, C. M., Gary, R. A., **Higgins, M.**, & Kaslow, N. (2016). Family partnership and education interventions to reduce dietary sodium by patients with heart failure differ by family functioning. *Heart & Lung: The Journal of Critical Care*, 45(4), 311–318. <https://doi.org/10.1016/j.hrtlng.2016.04.001>; PMID: 27174641; PMCID: PMC4935570
51. *Ferranti, E. P., Wands, L., Yeager, K. A., Baker, B., **Higgins, M. K.**, Wold, J. L., & Dunbar, S. B. (2016). Implementation of an educational program for nursing students amidst the ebola virus disease epidemic. *Nursing Outlook*, 64(6), 597–603. <https://doi.org/10.1016/j.outlook.2016.04.002>; PMID: 27364913

52. *Michaliszyn, S. F., **Higgins, M.**, & Faulkner, M. S. (2016). Longitudinal patterns of physical activity using a personalized intervention for adolescents with diabetes or obesity: 3207 board #272 June 3, 2. *Medicine & Science in Sports & Exercise*, 48, 915–916. <https://doi.org/10.1249/01.mss.0000487742.90452.b1>
53. *Darcy-Mahoney, A., Minter, B., **Higgins, M.**, Guo, Y., +Zauche, L. H., & Hirst, J. (2016). Maternal and neonatal birth factors affecting the age of ASD diagnosis. *Newborn and Infant Nursing Reviews: NAINR*, 16(4), 340–347. <https://doi.org/10.1053/j.nainr.2016.09.033>; PMID: 28989330; PMCID: PMC5630129
54. *Darcy-Mahoney, A., Minter, B., **Higgins, M.**, Guo, Y., Williams, B., +Zauche, L. M., & Birth, K. (2016). Probability of an autism diagnosis by gestational age, *Newborn and Infant Nursing Reviews : NAINR*, 16(4), 322–326. <https://doi.org/10.1053/j.nainr.2016.09.019>; PMID: 28989329; PMCID: PMC5627777
55. *Holstad, M. M., Spangler, S., **Higgins, M.**, Dalmida, S. G., & Sharma, S. (2016). Psychosocial characteristics associated with both antiretroviral therapy adherence and risk behaviors in women living with HIV. *AIDS and Behavior*, 20(5), 1084–1096. <https://doi.org/10.1007/s10461-015-1209-5>; PMID: 26452670; PMCID: PMC4826632
56. *Reilly, C. M., Esiashvili, N., Parashar, S., & **Higgins, M.** (2016). Subclinical cardiovascular disease in lymphoma survivors by sex. *Journal of Obstetric, Gynecologic, and Neonatal Nursing: JOGNN*, 45(3), 438–453. <https://doi.org/10.1016/j.jogn.2015.12.014>; PMID: 27016695
57. *Thomas, T., Dalmida, S., & **Higgins, M.** (2016). The student human papillomavirus survey: Nurse-led instrument development and psychometric testing to increase human papillomavirus vaccine series completion in young adults. *Journal of Nursing Measurement*, 24(2), 226–244. <https://doi.org/10.1891/1061-3749.24.2.226>; PMID: 27535311; PMCID: PMC4991555
58. *Thomas, T. L., Stephens, D. P., Johnson-Mallard, V., & **Higgins, M.** (2016). Young hispanic men and human papillomavirus vaccination choices. *Journal of Transcultural Nursing: Official Journal of the Transcultural Nursing Society*, 27(2), 103–108. <https://doi.org/10.1177/1043659614526759>; PMID: 24841473; PMCID: PMC4237692
59. *+McCoy, K., **Higgins, M.**, +Zuñiga, J. A., & Holstad, M. M. (2015). Age, stigma, adherence and clinical indicators in HIV-infected women. *HIV/AIDS Research and Treatment : Open Journal*, 2015(SE3), S1–S8. <https://doi.org/10.17140/HARTOJ-SE-3-101>; PMID: 27200416; PMCID: PMC4869875
60. *Reilly, C. M., Butler, J., Culler, S. D., Gary, R. A., **Higgins, M.**, +Schindler, P., +Butts, B., & Dunbar, S. B. (2015). An economic evaluation of a self-care intervention in persons with heart failure and diabetes. *Journal of Cardiac Failure*, 21(9), 730–737. <https://doi.org/10.1016/j.cardfail.2015.06.382>; PMID: 26164214; PMCID: PMC4554981
61. *+McCabe, N., Dunbar, S. B., Butler, J., **Higgins, M.**, Book, W., & Reilly, C. (2015). Antecedents of self-care in adults with congenital heart defects. *International Journal of Cardiology*, 201, 610–615. <https://doi.org/10.1016/j.ijcard.2015.08.125>; PMID: 26340127; PMCID: PMC4604062
62. *George, S., Phillips, K., Mallory, S., Holmquistova, I., Hare, R., Allen, S., **Higgins, M.**, & Shapiro, S. E. (2015). A pragmatic descriptive study of rewarming the newborn after the first bath. *Journal of Obstetric, Gynecologic, and Neonatal Nursing: JOGNN*, 44(2), 203–209. <https://doi.org/10.1111/1552-6909.12556>; PMID: 25712473

63. *Anderson, A. M., **Higgins, M. K.**, Ownby, R. L., & Waldrop-Valverde, D. (2015). Changes in neurocognition and adherence over six months in HIV-infected individuals with cocaine or heroin dependence. *AIDS Care*, *27*(3), 333–337. <https://doi.org/10.1080/09540121.2014.985183>; PMID: 25484035; PMCID: PMC4305469
64. *Wittig-Wells, D., Johnson, I., Samms-McPherson, J., Thankachan, S., Titus, B., Jacob, A., & **Higgins, M.** (2015). Does the use of a brief cryotherapy intervention with analgesic administration improve pain management after total knee arthroplasty? *Orthopedic Nursing*, *34*(3), 148–153. <https://doi.org/10.1097/NOR.000000000000143>; PMID: 25989123
65. *Wittig-Wells, D., **Higgins, M.**, Davis, E., Johnson, I., Louis, L., Mason, O., Samms-McPherson, J., Sims, S., & Jacob, A. (2015). Impact of a focused approach for discharge teaching regarding the use of aspirin as anticoagulant after joint replacement surgery. *Orthopedic Nursing*, *34*(4), 211–220; quiz 221–222. <https://doi.org/10.1097/NOR.000000000000160>; PMID: 26213876
66. *Reilly, C. M., **Higgins, M.**, Smith, A., Culler, S. D., & Dunbar, S. B. (2015). Isolating the benefits of fluid restriction in patients with heart failure: A pilot study. *European Journal of Cardiovascular Nursing: Journal of the Working Group on Cardiovascular Nursing of the European Society of Cardiology*, *14*(6), 495–505. <https://doi.org/10.1177/1474515114541729>; PMID: 24990176; PMCID: PMC4282615
67. *Dalton, J. A., **Higgins, M. K.**, Miller, A. H., Keefe, F. J., & Khuri, F. R. (2015). Pain intensity and pain interference in patients with lung cancer: A pilot study of biopsychosocial predictors. *American Journal of Clinical Oncology*, *38*(5), 457–464. <https://doi.org/10.1097/COC.0b013e3182a79009>; PMID: 24064756; PMCID: PMC3962526
68. *Dunbar, S. B., Reilly, C. M., Gary, R., **Higgins, M. K.**, Culler, S., +Butts, B., & Butler, J. (2015). Randomized clinical trial of an integrated self-care intervention for persons with heart failure and diabetes: Quality of life and physical functioning outcomes. *Journal of Cardiac Failure*, *21*(9), 719–729. <https://doi.org/10.1016/j.cardfail.2015.05.012>; PMID: 26028261; PMCID: PMC4554817
69. *+Desaulniers, G. A., Riley, L., Vangle, K., Gilleland, J., **Higgins, M.**, & Wasilewski-Masker, K. (2015). Self-reported sleep problems in adolescent survivors of childhood cancer. *Clinical Journal of Oncology Nursing*, *19*(1), 81–88. <https://doi.org/10.1188/15.CJON.81-88>; PMID: 25689653
70. *Reilly, C. M., **Higgins, M.**, Smith, A., Culler, S. D., & Dunbar, S. B. (2015). Single subject design: Use of time series analyses in a small cohort to understand adherence with a prescribed fluid restriction. *Applied Nursing Research: ANR*, *28*(4), 356–365. <https://doi.org/10.1016/j.apnr.2015.01.005>; PMID: 26608439; PMCID: PMC4661440
71. Hayat, M. J., **Higgins, M.**, Schwartz, T. A., & Staggs, V. S. (2015). Statistical challenges in nursing education and research: An expert panel consensus. *Nurse Educator*, *40*(1), 21–25. <https://doi.org/10.1097/NNE.000000000000080>; PMID: 25154008
72. *Wittig-Wells, D. R., **Higgins, M. K.**, Shapiro, S. E., Samms-McPherson, J., & Winterboer, D. S. (2015). The relationship between nonsurgical pain and interference with activity in patients undergoing a total knee arthroplasty. *Orthopedic Nursing*, *34*(1), 45–49. <https://doi.org/10.1097/NOR.000000000000113>; PMID: 25607623
73. *Moore C. J., Johnson Z. P., **Higgins M.**, Toufexis D., & Wilson M. E. (2014). Antagonism of corticotrophin-Releasing factor type 1 receptors attenuates caloric intake of free feeding

subordinate female rhesus monkeys in a rich dietary environment. *Journal of Neuroendocrinology*, 27(1), 33–43. <https://doi.org/10.1111/jne.12232>

74. *Dunbar, S. B., +Butts, B., Reilly, C. M., Gary, R. A., **Higgins, M. K.**, Ferranti, E. P., Culler, S. D., & Butler, J. (2014). A pilot test of an integrated self-care intervention for persons with heart failure and concomitant diabetes. *Nursing Outlook*, 62(2), 97–111. <https://doi.org/10.1016/j.outlook.2013.09.003>; PMID: 24211112; PMCID: PMC3959269
75. *Stamp, K. D., Dunbar, S. B., Clark, P. C., Reilly, C. M., Gary, R. A., **Higgins, M.**, & Kaslow, N. (2014). Family context influences psychological outcomes of depressive symptoms and emotional quality of life in patients with heart failure. *The Journal of Cardiovascular Nursing*, 29(6), 517–527. <https://doi.org/10.1097/JCN.000000000000097>; PMID: 24434821; PMCID: PMC4098026
76. *+Marin, T., Josephson, C. D., Kosmetatos, N., **Higgins, M.**, & Moore, J. E. (2014). Feeding preterm infants during red blood cell transfusion is associated with a decline in postprandial mesenteric oxygenation. *The Journal of Pediatrics*, 165(3), 464–471.e1. <https://doi.org/10.1016/j.jpeds.2014.05.009>; PMID: 24948351
77. *+Appiagyei, A. A., Kiriinya, R. N., +Gross, J. M., Wambua, D. N., Oywer, E. O., Kamenju, A. K., **Higgins, M. K.**, Riley, P. L., & Rogers, M. F. (2014). Informing the scale-up of kenya’s nursing workforce: A mixed methods study of factors affecting pre-service training capacity and production. *Human Resources for Health*, 12:47, 1-10. <https://doi.org/10.1186/1478-4491-12-47>; PMID: 25142037; PMCID: PMC4142461
78. Shapiro, S. E., & **Higgins, M.** (2014). Statistics for emergency nurses. *Journal of Emergency Nursing: JEN: Official Publication of the Emergency Department Nurses Association*, 40(6), 529–530. <https://doi.org/10.1016/j.jen.2014.07.001>; PMID: 25454891
79. *Kally, Z., Cote, S. D., Gonzalez, J., Villarruel, M., Cherry, D. L., Howland, S., **Higgins, M.**, Connolly, L., & Hepburn, K. (2014). The savvy caregiver program: Impact of an evidence-based intervention on the well-being of ethnically diverse caregivers. *Journal of Gerontological Social Work*, 57(6), 681–693. <https://doi.org/10.1080/01634372.2013.850584>; PMID: 24820315
80. *Hayat, M. J., & **Higgins, M.** (2014). Understanding poisson regression. *The Journal of Nursing Education*, 53(4), 207–215. <https://doi.org/10.3928/01484834-20140325-04>; PMID: 24654593
81. *Thomas, T. L., Strickland, O., Diclemente, R., & **Higgins, M.** (2013). An opportunity for cancer prevention during preadolescence and adolescence: Stopping human papillomavirus (HPV)-related cancer through HPV vaccination. *The Journal of Adolescent Health: Official Publication of the Society for Adolescent Medicine*, 52(5), S60–68. <https://doi.org/10.1016/j.jadohealth.2012.08.011>; PMID: 23298993; PMCID: PMC3990258
82. *Dunbar, S. B., Clark, P. C., Reilly, C. M., Gary, R. A., Smith, A., McCarty, F., **Higgins, M.**, +Grossniklaus, D., Kaslow, N., Frediani, J., Dashiff, C., & Ryan, R. (2013). A trial of family partnership and education interventions in heart failure. *Journal of Cardiac Failure*, 19(12), 829–841. <https://doi.org/10.1016/j.cardfail.2013.10.007>; PMID: 24331203; PMCID: PMC3869235
83. *Thomas, T. L., Strickland, O. L., DiClemente, R., **Higgins, M.**, Williams, B., & Hickey, K. (2013). Parental human papillomavirus vaccine survey (PHPVS): Nurse-led instrument development and psychometric testing for use in research and primary care screening. *Journal of Nursing Measurement*, 21(1), 96–109. <https://doi.org/10.1891/1061-3749.21.1.96>

84. *Wittig-Wells, D. R., Shapiro, S. E., & **Higgins, M. K.** (2013). Patients' experiences of pain in the 48 hours following total knee arthroplasty. *Orthopedic Nursing*, 32(1), 39–44. <https://doi.org/10.1097/NOR.0b013e31827d969e>; PMID: 23344489
85. *+Ferranti, E. P., Dunbar, S. B., **Higgins, M.**, +Dai, J., Ziegler, T. R., Frediani, J. K., Reilly, C., & Brigham, K. L. (2013). Psychosocial factors associated with diet quality in a working adult population. *Research in Nursing & Health*, 36(3), 242–256. <https://doi.org/10.1002/nur.21532>; PMID: 23408456; PMCID: PMC3930879
86. *Frediani, J. K., Reilly, C. M., **Higgins, M.**, Clark, P. C., Gary, R. A., & Dunbar, S. B. (2013). Quality and adequacy of dietary intake in a southern urban heart failure population. *The Journal of Cardiovascular Nursing*, 28(2), 119–128. <https://doi.org/10.1097/JCN.0b013e318242279e>; PMID: 22343212; PMCID: PMC3681951
87. *+Marin, T., Moore, J., Kosmetatos, N., Roback, J. D., Weiss, P., **Higgins, M.**, McCauley, L., Strickland, O. L., & Josephson, C. D. (2013). Red blood cell transfusion-related necrotizing enterocolitis in very-low-birthweight infants: A near-infrared spectroscopy investigation. *Transfusion*, 53(11), 2650–2658. <https://doi.org/10.1111/trf.12158>; PMID: 23480548; PMCID: PMC3686850
88. *Wilson, M. E., Bounar, S., Godfrey, J., Michopoulos, V., **Higgins, M.**, & Sanchez, M. (2013). Social and emotional predictors of the tempo of puberty in female rhesus monkeys. *Psychoneuroendocrinology*, 38(1), 67–83. <https://doi.org/10.1016/j.psyneuen.2012.04.021>; PMID: 22658962; PMCID: PMC3442129
89. Hayat, M. J., Eckardt, P., **Higgins, M.**, Kim, M., & Schmiege, S. J. (2013). Teaching statistics to nursing students: An expert panel consensus. *The Journal of Nursing Education*, 52(6), 330–334. <https://doi.org/10.3928/01484834-20130430-01>; PMID: 23621121
90. *Holstad, M. M., Ofotokun, I., **Higgins, M.**, & Logwood, S. (2013). The LIVE network: A music-based messaging program to promote ART adherence self-management. *AIDS and Behavior*, 17(9), 2954–2962. <https://doi.org/10.1007/s10461-013-0581-2>; PMID: 23934269; PMCID: PMC3889150
91. *Jennings, B. M., Sandelowski, M., & **Higgins, M. K.** (2013). Turning over patient turnover: An ethnographic study of admissions, discharges, and transfers. *Research in Nursing & Health*, 36(6), 554–566. <https://doi.org/10.1002/nur.21565>; PMID: 24242196; PMCID: PMC3968944
92. *Gary, R. A., Cress, M. E., **Higgins, M. K.**, Smith, A. L., & Dunbar, S. B. (2012). A combined aerobic and resistance exercise program improves physical functional performance in patients with heart failure: A pilot study. *The Journal of Cardiovascular Nursing*, 27(5), 418–430. <https://doi.org/10.1097/JCN.0b013e31822ad3c3>; PMID: 21912268; PMCID: PMC4143391
93. *+Grossniklaus, D. A., Dunbar, S. B., Gary, R., Tohill, B. C., Frediani, J. K., & **Higgins, M. K.** (2012). Dietary energy density: A mediator of depressive symptoms and abdominal obesity or independent predictor of abdominal obesity? *European Journal of Cardiovascular Nursing: Journal of the Working Group on Cardiovascular Nursing of the European Society of Cardiology*, 11(4), 423–431. <https://doi.org/10.1016/j.ejcnurse.2011.03.008>; PMID: 21530408; PMCID: PMC4228783
94. *Cha, E., Clark, P. C., Reilly, C. M., **Higgins, M.**, Lobb, M., Smith, A. L., & Dunbar, S. B. (2012). Educational needs for improving self-care in heart failure patients with diabetes. *The Diabetes*

Educator, 38(5), 673–684. <https://doi.org/10.1177/0145721712450923>; PMID: 22722611; PMCID: PMC3650727

95. *Holstad, M. M., Essien, J. E., Ekong, E., **Higgins, M.**, Teplinskiy, I., & Adewuyi, M. F. (2012). Motivational groups support adherence to antiretroviral therapy and use of risk reduction behaviors in HIV positive nigerian women: A pilot study. *African Journal of Reproductive Health / La Revue Africaine de La Santé Reproductive*, 16(3), 14–27. Retrieved from <http://www.jstor.org/stable/23485690>
96. *Thomas, T. L., Strickland, O. L., DiClemente, R., **Higgins, M.**, & Haber, M. (2012). Rural african american parents' knowledge and decisions about human papillomavirus vaccination. *Journal of Nursing Scholarship: An Official Publication of Sigma Theta Tau International Honor Society of Nursing*, 44(4), 358–367. <https://doi.org/10.1111/j.1547-5069.2012.01479.x>; PMID: 23126428; PMCID: PMC3952034
97. *Berg, S. K., **Higgins, M.**, Reilly, C. M., Langberg, J. J., & Dunbar, S. B. (2012). Sleep quality and sleepiness in persons with implantable cardioverter defibrillators: Outcome from a clinical randomized longitudinal trial. *Pacing and Clinical Electrophysiology: PACE*, 35(4), 431–443. <https://doi.org/10.1111/j.1540-8159.2011.03328.x>; PMID: 22303998; PMCID: PMC3681948
98. *Michopoulos, V., **Higgins, M.**, Toufexis, D., & Wilson, M. E. (2012). Social subordination produces distinct stress-related phenotypes in female rhesus monkeys. *Psychoneuroendocrinology*, 37(7), 1071–1085. <https://doi.org/10.1016/j.psyneuen.2011.12.004>; PMID: 22244748; PMCID: PMC3358530
99. *Grabbe, L., +Nguy, S. T., & **Higgins, M. K.** (2012). Spirituality development for homeless youth: A mindfulness meditation feasibility pilot. *Journal of Child and Family Studies*, 21(6), 925–937. <https://doi.org/10.1007/s10826-011-9552-2>
100. *Gary, R. A., Cress, M. E., **Higgins, M. K.**, Smith, A. L., & Dunbar, S. B. (2011). Combined aerobic and resistance exercise program improves task performance in patients with heart failure. *Archives of Physical Medicine and Rehabilitation*, 92(9), 1371–1381. <https://doi.org/10.1016/j.apmr.2011.02.022>; PMID: 21878207; PMCID: PMC4143394
101. *+Gross, J. M., Rogers, M. F., Teplinskiy, I., Oywer, E., Wambua, D., Kamenju, A., Arudo, J., Riley, P. L., **Higgins, M.**, Rakuom, C., Kiriinya, R., & Waudu, A. (2011). The impact of out-migration on the nursing workforce in kenya. *Health Services Research*, 46(4), 1300–1318. <https://doi.org/10.1111/j.1475-6773.2011.01251.x>; PMID: 21413982; PMCID: PMC3165189
102. *+Grossniklaus, D. A., Gary, R. A., **Higgins, M. K.**, & Dunbar, S. B. (2010). Biobehavioral and psychological differences between overweight adults with and without waist circumference risk. *Research in Nursing & Health*, 33(6), 539–551. <https://doi.org/10.1002/nur.20411>; PMID: 21053387; PMCID: PMC3707927
103. *Gary, R. A., Dunbar, S. B., **Higgins, M. K.**, Musselman, D. L., & Smith, A. L. (2010). Combined exercise and cognitive behavioral therapy improves outcomes in patients with heart failure. *Journal of Psychosomatic Research*, 69(2), 119–131. <https://doi.org/10.1016/j.jpsychores.2010.01.013>; PMID: 20624510; PMCID: PMC4143390
104. *+Quinn, C., Dunbar, S. B., & **Higgins, M.** (2010). Heart failure symptom assessment and management: Can caregivers serve as proxy? *The Journal of Cardiovascular Nursing*, 25(2), 142–148. <https://doi.org/10.1097/JCN.0b013e3181bf93a0>; PMID: 20168194; PMCID: PMC4264792

105. *+Grossniklaus, D. A., Dunbar, S. B., Tohill, B. C., Gary, R., **Higgins, M. K.**, & Frediani, J. (2010). Psychological factors are important correlates of dietary pattern in overweight adults. *The Journal of Cardiovascular Nursing*, 25(6), 450–460. <https://doi.org/10.1097/JCN.0b013e3181d25433>; PMID: 20938248; PMCID: PMC3086895
106. *Fitzpatrick, A. M., **Higgins, M.**, Holguin, F., Brown, L. A. S., & Teague, W. G. (2010). The molecular phenotype of severe asthma in children. *The Journal of Allergy and Clinical Immunology*, 125(4), 851–857.e18. <https://doi.org/10.1016/j.jaci.2010.01.048>; PMID: 20371397; PMCID: PMC2851636
107. *Robertson, B., Kaplan, B., Atallah, H., **Higgins, M.**, Lewitt, M. J., & Ander, D. S. (2010). The use of simulation and a modified TeamSTEPS curriculum for medical and nursing student team training. *Simulation in Healthcare: Journal of the Society for Simulation in Healthcare*, 5(6), 332–337. <https://doi.org/10.1097/SIH.0b013e3181f008ad>; PMID: 21330818
108. *Reilly, C. M., **Higgins, M.**, Smith, A., Gary, R. A., Robinson, J., Clark, P. C., McCarty, F., & Dunbar, S. B. (2009). Development, psychometric testing, and revision of the atlanta heart failure knowledge test. *The Journal of Cardiovascular Nursing*, 24(6), 500–509. <https://doi.org/10.1097/JCN.0b013e3181aff0b0>; PMID: 19858959; PMCID: PMC2828039
109. ***Higgins, M. K.**, Morgan, S. L., Fox, A., & Bly, R. S. (1994). Differentiation of isomeric alditol hexaacetates and identification of aldohexoses by electron impact mass spectrometry. *Analytical Chemistry*, 66(17), 2656–2668. <https://doi.org/10.1021/ac00089a011>
110. *Aust, J. F., **Higgins, M. K.**, Groner, P., Morgan, S. L., & Myrick, M. L. (1994). Fourier transform raman spectroscopic studies of a polyimide curing reaction. *Analytica Chimica Acta*, 293(1), 119–128. [https://doi.org/10.1016/0003-2670\(94\)00100-6](https://doi.org/10.1016/0003-2670(94)00100-6)
111. **Denny, M.**, & Bayer, C. (1990). Chromatography problem solving and troubleshooting. *Journal of Chromatographic Science*, 28(2), 92.

Manuscripts Submitted - under review

- *Pinto, M.; Abbot, K.; DiClemente, R.; +Greenblatt, A.; **Higgins, M.**; Negi, L.; Kaplin, A. Cognitively-based compassion training (CBCT): promising intervention to improve depressive symptoms, attention, executive function, and skills for cognitive resilience. *Applied Nursing Research (submitted July 23, 2018, manuscript tracking # ANR-2018-24-R1)*.
- *Holstad, M.; **Higgins, M.**; Spangler, S.; Dalmida, S.; +McBroom, J.; Sharma, S. Do age-associated differences in clinical and psychosocial variables exist among HIV infected women? *AIDS Care (submitted June 30, 2017, manuscript tracking # AC-2017-06-0515)*.

Books

- Higgins, M.** Proposed Title: Reproducible Templates for Analysis and Dissemination [Book Proposal Requested by Chapman & Hall/CRC August 2018 – planned submission Spring 2019, based on Coursera Course launched Jan 2018].
- Higgins, M. K.** (1995). *Masters of science thesis: The integrated michaelis-menten model: Estimation, inference, experimental designs, and derivation from the classical michaelis-menten model* (MS Thesis). University of South Carolina, Columbia, SC.

3. **Higgins, M. K.** (1994). *Doctor of philosophy dissertation: Chemometric analysis of gas chromatographic/mass spectrometric and spectroscopic data for classification and modeling of chemical structure and composition* (PhD thesis). University of South Carolina, Columbia, SC.

Book Chapters

1. Asbell, L. C. W., & **Higgins, M. K.** (uncited contributor). (2003). CHAPTER 15: National guard bureau – counterdrug geographic information systems program supporting counterdrug law enforcement. In *GIS in law enforcement: Implementation issues and case studies* (pp. 211–227). New York: Taylor & Francis (editors: Mark Leipnik, Donald Albert).

Research Abstracts and Proceedings (43 citations)

1. *+Bidwell, J.; Lee, C.; **Higgins, M.**; Reilly, C.; Clark, P.; Dunbar, S. (2018). An integrated self care education and counseling intervention for persons with heart failure and diabetes improves quality of life and physical functioning. *Journal of Cardiac Failure*, 24(8), S94. <http://doi.org/10.1016/j.cardfail.2018.07.365>.
2. *+Bidwell, J.; **Higgins, M.**; Reilly, C.; Dunbar, S. (2017). Abstract 16545: Shared Heart Failure Knowledge and Self-Care in Patient-Caregiver Dyads. *Circulation*, 136(Suppl 1), A16545. Retrieved from https://www-ahajournals-org.proxy.library.emory.edu/doi/10.1161/circ.136.suppl_1.16545
3. *Dunbar, S.; **Higgins, M.**; Reilly, C.; Butler, J. (2017). Abstract 18977: Improving Self-care for Diabetes Affects Heart Failure Outcomes in Persons With Heart Failure and Concomitant Diabetes. *Circulation*, 136(Suppl 1), A18977. Retrieved from https://www-ahajournals-org.proxy.library.emory.edu/doi/10.1161/circ.136.suppl_1.18977.
4. *Reilly, C.; **Higgins, M.**; Dunbar, S. (2017). Abstract 19846: Clinical, Symptom, Functional, and QOL Outcomes in a Trial of Prescribed Fluid Restrictions in Persons With Heart Failure. *Circulation*, 136(Suppl 1), A19846. Retrieved from https://www-ahajournals-org.proxy.library.emory.edu/doi/10.1161/circ.136.suppl_1.19846.
5. *Dunbar, S.; Corwin, E.; Gary, R.; **Higgins, M.**; Smith, A.; Butler, J. (2016). Abstract 12706: Novel Correlates of Depressive Symptoms in Family Caregivers of Heart Failure Patients. *Circulation*, 134(Suppl 1), A12706. Retrieved from https://www-ahajournals-org.proxy.library.emory.edu/doi/10.1161/circ.134.suppl_1.12706.
6. *+ Otuguor, U.; **Higgins, M.**; Dunbar, S. (2016). Abstract 17165: Factors Associated With Heart failure Family Caregiver Sleep Quality. *Circulation*, 134(Suppl 1), A17165. Retrieved from https://www-ahajournals-org.proxy.library.emory.edu/doi/10.1161/circ.134.suppl_1.17165.
7. *Reilly, C.; +Butts, B.; **Higgins, M.**; Dunbar, S. (2016). Abstract 19207: The Third Time's a Charm: Factor Analysis, Psychometric Testing, and Update of the Atlanta Heart Failure Knowledge Test. *Circulation*, 134(Suppl 1), A19207. Retrieved from https://www-ahajournals-org.proxy.library.emory.edu/doi/10.1161/circ.134.suppl_1.19207.
8. *Holstad, M., Quest, T., **Higgins, M.**, Marconi, V., DeSandre, P., Waldrop-Valverde, D., del Rio, C., Philips, V., & Friedman-Moraco, R. (2018). Early palliative care plus nurse-led motivational interviewing increases advanced care planning in persons with HIV/AIDS. *Annals of Behavioral Medicine*, 52(Suppl_1), S659. <https://doi.org/10.1093/abm/kay013>
9. Holstad, M., **Higgins, M.**, Ofotokun, I., Farber, E., & Waldrop-Valverde, D. (2017). A mobile app to promote ART adherence and framed in the information-motivation-behavior skills model: Baseline data. In *Annals of behavioral medicine (suppl 1)* (Vol. 51, p. S2594). San Diego, CA: SPRINGER. <https://doi.org/10.1007/s12160-017-9903-3>
10. *Dunbar, S., Reilly, C., Gary, R., **Higgins, M.**, & Butler, J. (2015). Characteristics of responders to an integrated self-care intervention for persons with heart failure and diabetes. *European Heart Journal*, 36(suppl_1), 37–37. <https://doi.org/10.1093/eurheartj/ehv398>
11. *Holstad, M. M., **Higgins, M. K.**, Spangler, S. A., & Dalmida, S. (2015). Do age-associated differences in clinical and psychosocial variables exist among HIV-infected women? *The Gerontologist*, 55(Suppl_2), 40–40. <https://doi.org/10.1093/geront/gnv338.03>

12. *+Butts, B., Gary, R., Reilly, C. M., **Higgins, M. K.**, Butler, J., & Dunbar, S. (2014). Abstract 15740: Effects of an integrated self-care intervention on frailty risk in persons with heart failure and type 2 diabetes mellitus. *Circulation*, *130*(Suppl 2), A15740–A15740. Retrieved from http://circ.ahajournals.org/content/130/Suppl_2/A15740
13. *Dunbar, S. B., Gary, R. A., Corwin, E., Miller, A., **Higgins, M. K.**, & Butler, J. (2014). Abstract 18108: Effects of a heart failure family caregiver intervention on caregiver strain and outcomes. *Circulation*, *130*(Suppl 2), A18108–A18108. Retrieved from http://circ.ahajournals.org/content/130/Suppl_2/A18108
14. *Dunbar, S. B., Reilly, C. M., Gary, R. A., **Higgins, M. K.**, Culler, S., & Butler, J. (2014). An integrated self care education and counseling intervention for persons with heart failure and diabetes improves quality of life and physical functioning. *Journal of Cardiac Failure*, *20*(8), S118. <https://doi.org/10.1016/j.cardfail.2014.06.337>
15. *+Butts, B., Gary, R., Dunbar, S., **Higgins, M.**, Miller, A., & Corwin, E. (2014). Caregiver stress and cardiovascular disease risk among female family caregivers of persons with heart failure. *The Journal of Cardiovascular Nursing*, *29*(5), 390–391. <https://doi.org/10.1097/JCN.000000000000185>
16. *Reilly, C. M., **Higgins, M.**, Butler, J., Gary, R., Culler, S. D., & Dunbar, S. B. (2014). Cost effectiveness of an integrated self care intervention for persons with heart failure and diabetes. *Journal of Cardiac Failure*, *20*(8), S5. <https://doi.org/10.1016/j.cardfail.2014.06.020>
17. *Thomas, T. L., Strickland, O., DiClemente, R., & **Higgins, M.** (2014). Increasing human papillomavirus (HPV) vaccination in boys: Reducing health disparities through advanced pediatric nursing practice. *Journal of Pediatric Health Care*, *28*(6), e55. <https://doi.org/10.1016/j.pedhc.2014.08.010>
18. *Thomas, T. L., **Higgins, M.**, & Pinto, M. (2014). Parental attitudes towards human papillomavirus (HPV) vaccination of boys: Quantitative and qualitative results to guide development of effective HPV vaccine interventions. *Journal of Adolescent Health*, *54*(2), S86. <https://doi.org/10.1016/j.jadohealth.2013.10.185>
19. *Reilly, C., **Higgins, M.**, Clark, P., Butler, J., Smith, A., & Dunbar, S. (2013). Assessment of sodium intake in persons with heart failure prescribed differing levels of diuretics. *Journal of Cardiovascular Nursing*, *28*(4), 304–305. <https://doi.org/10.1097/JCN.0b013e318295654b>
20. *+Desaulniers, G., **Higgins, M.**, & Vena, C. (2013). Clinical utility of pulse oximetry screening for sleep disordered breathing in patients with non-small cell lung cancer. *Oncology Nursing Forum*, *40*(6), E446–E446. <https://doi.org/10.1188/13.ONF.E411-E459>
21. *+Zellner, A., Hepburn, K., **Higgins, M.**, Robinson, M., & Parker, M. (2013). Effects of alzheimer caregiving and multiple caregiving roles on allostatic load. *The Gerontologist*, *53*(S1), 499–499. <https://doi.org/10.1093/geront/gnt151>
22. *Thomas, T. L., Strickland, O., DiClemente, R., **Higgins, M.**, & Stephens, D. P. (2013). Health disparities and human papillomavirus (HPV) vaccination: Research findings and implications for pediatric nurses in advanced practice. *Journal of Pediatric Health Care*, *27*(5), 320–321. <https://doi.org/10.1016/j.pedhc.2013.07.003>

23. *Cress, E., **Higgins, M.**, & Gary, R. (2012). Clinically important effects of exercise on functional performance in patients with heart failure. *The Gerontologist*, 52(S1), 586–586. <https://doi.org/10.1093/geront/gns201>
24. *+Shields, A., Bauer-Wu, S., & **Higgins, M. K.** (2012). Disability status, not income, is associated with greater anxiety and distress in stem cell transplant patients. *Psycho-Oncology*, 21(s1), 106. <https://doi.org/10.1111/j.1099-1611.2011.03029.x>
25. *Gary, R., **Higgins, M.**, Cress, E., Smith, A., & Dunbar, S. (2012). Improved physical function confers greater quality of life benefits for NYHA class III than for NYHA class II patients. *Journal of Cardiac Failure*, 18(8), S74. <https://doi.org/10.1016/j.cardfail.2012.06.476>; PMID: 22196845
26. *+Quinn, C., Dunbar, S. B., & **Higgins, M.** (2011). Improving heart failure symptom assessment congruence through a perspective-taking intervention: A pilot study. *Journal of Cardiac Failure*, 17(8), S103–S104. <https://doi.org/10.1016/j.cardfail.2011.06.347>
27. *Villar, J., Brutto, N., **Higgins, M.**, Brown, M., Wilson, M., & Muir, A. (2011). Markers of maternal perinatal nutrition are associated with infant weight gain during the first six postnatal months in rhesus monkeys. *JOURNAL OF DEVELOPMENTAL ORIGINS OF HEALTH AND DISEASE*, 2(S1), S144–S145. <https://doi.org/10.1017/S2040174411000481>
28. *Reilly, C.; **Higgins, M.**; Smith, A.; Culler, S.; Dunbar, S. (2011). Abstract 8445: Outcomes from Symptom and Economic Evaluation of Fluid Restriction in Persons with Heart Failure. *Circulation*, 124(Suppl 21), A536. Retrieved from https://www-ahajournals-org.proxy.library.emory.edu/doi/10.1161/circ.124.suppl_21.A536.
29. *+Stevens, D., & **Higgins, M.** (2011). Perceived discrimination and psychological distress in minority caregivers: Moderating effects of race and religious coping. *The Gerontologist*, 51(Suppl 2), 43–43. <https://doi.org/10.1093/geront/gns068>
30. *+Grossniklaus, D., Gary, R., **Higgins, M.**, Frediani, J., & Dunbar, S. (2010). Depressive symptoms and dietary energy density independently predict abdominal obesity. *Journal of Cardiovascular Nursing*, 25(5), 362–363. <https://doi.org/10.1097/JCN.0b013e3181ee1d0b>
31. *+Grossniklaus, D., Dunbar, S., Gary, R., Tohill, B., Frediani, J., & **Higgins, M.** (2010). Dietary energy density: A mediator of depressive symptoms and abdominal obesity or independent predictor of abdominal obesity? *European Heart Journal*, 31(Suppl_1), 150–150. <https://doi.org/10.1093/eurheartj/ehq287>
32. *Berg, S., **Higgins, M.**, & Dunbar, S. (2010). Sleeping patterns in patients with ICD. *European Heart Journal*, 31(Suppl_1), 234–234. <https://doi.org/10.1093/eurheartj/ehq287>
33. *Gary, R., Cress, E., Smith, A., **Higgins, M.**, & Dunbar, S. (2009). Combined aerobic and resistance training improves physical functional performance and muscle strength in patients with heart failure. *Circulation*, 120(Suppl 18), S511–S512. Retrieved from http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcApp=PARTNER_APP&SrcAuth=LinksAMR&KeyUT=WOS:000271831501059&DestLinkType=FullRecord&DestApp=ALL_WOS&UsrCustomerID=26b1d2830af64ebf721d972c41b398ba
34. *Zola, S., Manzanares, C., & **Higgins, M. K.** (2009). Early detection and differentiation of amnesic and nonamnesic mild cognitive impairment (MCI). *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 5(4), P362. <https://doi.org/10.1016/j.jalz.2009.04.1146>

35. *Dunbar, S., Clark, P., Gary, R., Mccarty, F., **Higgins, M.**, Reilly, C., +Grossniklaus, D., Robinson, J., & Smith, A. (2009). Family member interventions improve their knowledge of heart failure and supportive communication. *European Heart Journal*, 30(Suppl_1), 3–3.
<https://doi.org/10.1093/eurheartj/ehp413>
36. *Dunbar, S. B., Clark, P. C., Gary, R. A., +Quinn, C., Reilly, C. M., Smith, A., & **Higgins, M.** (2009). HF family caregiver outcomes and associated factors. *Journal of Cardiac Failure*, 15(6), S108–S109. <https://doi.org/10.1016/j.cardfail.2009.06.017>; PMID: 19254669
37. *Quinn, C.; Dunbar, S.; **Higgins, M.** (2009). Abstract 1432: Recognition of Shortness of Breath and Edema as Heart Failure Symptoms. *Circulation*, 120(Suppl 18), S501-S502. Retrieved from https://www-ahajournals-org.proxy.library.emory.edu/doi/10.1161/circ.120.suppl_18.S501-c.
38. *+Quinn, C., Dunbar, S. B., & **Higgins, M.** (2009). Symptom assessment, family factors, and HF acute care visits. *Journal of Cardiac Failure*, 15(6), S101.
<https://doi.org/10.1016/j.cardfail.2009.06.119>; PMID: 19254668
39. *+Quinn, C., Dunbar, S., & **Higgins, M.** (2008). Family support factors and congruence of symptom assessment between HF patients and caregivers. *JOURNAL OF CARDIAC FAILURE*, 14(6), S117–S117. <https://doi.org/10.1016/j.cardfail.2008.06.409>
40. *+Quinn, C., Dunbar, S., & **Higgins, M.** (2008). Heart failure patients and their family caregivers: Symptom assessment congruence. *Circulation*, 117(21), E418–E418.
<https://doi.org/10.1161/CIRCULATIONAHA.108.189902>
41. *Gary, R., Dunbar, S., Musselman, D., Cress, E., & **Higgins, M.** (2008). Use of the symptom interactional framework to examine the multidimensional domains of fatigue and depression in heart failure patients. *Journal of Cardiac Failure*, 14(6), S91–S91.
<https://doi.org/10.1016/j.cardfail.2008.06.248>
42. Walthall, C., Daughtry, C., Pachepsky, L., Erbe, E., Lydon, J., **Higgins, M.**, Vanderbilt, V., & Bobbe, T. (2006). Detection of illegal cannabis cultivation using remote sensing. *2006 IEEE International Geoscience and Remote Sensing Symposium, Vols 1-8*, 2281–+.
<https://doi.org/10.1109/IGARSS.2006.590>
43. Haran, T., **Higgins, M.**, & Thomas, M. (2004). Handheld thermal imaging for law enforcement and counterdrug applications. In E. Carapezza (Ed.), *SENSORS, AND COMMAND, CONTROL, COMMUNICATIONS, AND INTELLIGENCE(C31) TECHNOLOGIES FOR HOMELAND SECURITY AND HOMELAND DEFENSE III, PTS 1 AND 2* (Vol. 5403, pp. 831–841). Georgia Tech Res Inst, Atlanta, GA 30332 USA: SPIE-INT SOC OPTICAL ENGINEERING. <https://doi.org/10.1117/12.541705>

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 and Websites Authored

Title	URL	Created
1. Coursera International Course: Reproducible Templates for Analysis and Dissemination	https://www.coursera.org/learn/reproducible-templates-analysis	January 2018

- | | | |
|---|---|--------------|
| 2. Course Website: N736 Quantitative Analysis of Clinical Research Data | https://melindahiggins2000.github.io/N736Fall2017/ | August 2017 |
| 3. Course Website: N741 Big Data Analytics for Healthcare | https://melindahiggins2000.github.io/N741bigdata/ | January 2017 |
| 4. GITHUB Organization for N741: N741 Big Data Analytics for Healthcare | https://github.com/EmoryN741 | January 2017 |

Educational Videos Created

Title	URL	Created
5. Summer 2018 R Workshop 03: R and RStudio Basics	https://youtu.be/NRCfTM5ghTI	Aug 2018
6. Summer 2018 R Workshop 02: R and RStudio Basics	https://youtu.be/G9O6gWrpmjg	July 2018
7. Summer 2018 R Workshop 01: R and RStudio Basics	https://youtu.be/ZeS5cFUTAyc	June 2018
8. SNRS 2018 R Workshop	https://youtu.be/X7C_M1Lbgn4	March 2018
9. N741 Course Videos on R and RStudio (5 part series)	https://www.youtube.com/playlist?list=PLUDpSUA5mvSzL7XwtlZjxeZpP9aLMk4C6	January 2017
10. Fall 2016 R Workshops (5 part series)	https://www.youtube.com/playlist?list=PLUDpSUA5mvSwWh_0o5UDb_u8iLDZ4Nfq7	September 2016
11. Spring 2016: R Workshop 03 (3 part series)	https://www.youtube.com/playlist?list=PLUDpSUA5mvSxarf_wHZbKI6OycvSff3O3	March 2016
12. Spring 2016: R Workshop 02 (4 part series)	https://www.youtube.com/playlist?list=PLUDpSUA5mvSznW42U5-hBgX734qTjduhE	February 2016
13. Spring 2016: R Workshop 01 (5 part series)	https://www.youtube.com/playlist?list=PLUDpSUA5mvSwK0QnaKsxm_AjisRPVeypp	February 2016

Scholarship: Presentations (126 presentations)

Note: First author listed was the presenter

International Presentations

1. **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>
2. **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/>
3. **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#>
4. *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/>

5. **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>
6. *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>
7. *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
8. **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>
9. 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
10. **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>
11. 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>
12. **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>
13. ***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
14. ***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
15. *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>
16. *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>

17. *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 (O24P), Chicago, IL. Retrieved from <https://pubs.acs.org/doi/abs/10.1021/ac00081a735?journalCode=ancham>
18. *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>
19. *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>
20. ***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>
21. ***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>
22. ***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

23. **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>
24. ***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
25. *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.
26. *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.
27. *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.

28. *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.
29. *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.
30. ***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.
31. *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.
32. *+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.
33. *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.
34. *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.
35. *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>
36. *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>
37. Fox, S. M., Clevenger, C. K., Abraham, C. A., & **Higgins, M. K.** (2013). *Gauging nursing students' knowledge and attitude toward quality improvement*. Oral Presentation.
38. *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.
39. *+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.

40. 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>
41. *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>
42. *+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.
43. *+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.
44. *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/
45. *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.
46. *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>
47. *Cha, E., **Higgins, M. K.**, Reilly, C. M., & Dunbar, S. B. (2011). *Improving self-care in heart failure patients with diabetes*. Poster, Washington, DC.
48. *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.
49. *+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.
50. *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.
51. *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.
52. *+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.
53. *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.

54. *+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.
55. *+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.
56. *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.
57. ***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.
58. **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.
59. **Higgins, M. K.** (2002, September). *NGB-CD digital mapping server [invited speaker]*. Oral Presentation, Washington, DC.
60. **Higgins, M. K.** (2002, October). *NGB-CD's CD-GRASS and technology consortium programs [invited speaker]*. Oral Presentation, South Padre Island, TX.
61. **Higgins, M. K.**, & Thomas, Major Michael. (2002, December). *Conference workshop - national guard digital mapping server portal [invited speaker]*. Oral Presentation, Denver, CO.
62. **Higgins, M. K.** (2002, April). *NGB-CD's CD-GRASS and technology consortium programs [invited speaker]*. Oral Presentation, San Diego, CA.
63. **Higgins, M. K.** (2001, May). *NGB-CD's counterdrug GIS technology symposium [invited speaker]*. Key Coordinator & Presenter, Washington, DC.
64. **Higgins, M. K.** (2001, March). *NGB-CD counterdrug coordinator's conference - multiple talks and topics*. Key Participant & Presenter, Orlando, FL.
65. **Higgins, M. K.** (2001, December). *National guard GIS technology programs to support counterdrug law enforcement [invited speaker]*. Oral Presentation, Dallas, TX.
66. **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).
67. Faust, N., & **Higgins, M. K.** (2000, June). *Counterdrug geographical regional assessment sensor system (CD-GRASS) [invited speaker]*. Oral Presentation, New Orleans, LA.
68. **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).
69. **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.

70. **Higgins, M. K.** (2000, April). *NGB-CD counterdrug GIS technology symposium [invited speaker]*. Key Participant & Presenter, Washington, DC.
71. **Higgins, M. K.**, Faust, N., Doll, T., & Wasilewski, T. (1999, October). *Multi-modality targets classification and visualization [invited speaker]*. Oral Presentation, Rochester, NY.
72. **Higgins, M. K.**, & Asbell, W. Lt Col. (1999, March). *Counterdrug geographical regional assessment sensor system (CD-GRASS) program [invited speaker]*. Oral Presentation, Austin, TX.
73. **Higgins, M. K.**, & Asbell, W. Lt Col. (1999, June). *Counterdrug geographical regional assessment sensor system (CD-GRASS) program [invited speaker]*. Oral Presentation, Arlington, VA.
74. **Higgins, M. K.**, & Asbell, W. Lt Col. (1999, December). *Enhanced GIS and mapping support to counterdrug operations [invited speaker]*. Oral Presentation, Orlando, FL.
75. **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.
76. **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.
77. *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

78. **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>
79. *+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>
80. *+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>
81. *+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>
82. *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>

83. **Higgins, M. K.**, Williams, B., Paul, S., & Plotsky, A. (2015, November 17). *Responsible data management*. Oral Presentation, Atlanta, GA.
84. *Reilly, C. M., & **Higgins, M. K.** (2015, February 17). *Saving money with self-care interventions: Accounting for dollars and sense*. Oral Presentation, Atlanta, GA.
85. **Higgins, M. K.**, & Corwin, E. (2015, April 28). *The ethical use of data*. Oral Presentation, Atlanta, GA.
86. *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>
87. *+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>
88. ***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>
89. **Higgins, M. K.**, & Turk, M. (2014, October 10). *REDCAP lunch and learn*. Oral Presentation, Atlanta, GA.
90. *+Butts, B., Gary, R., Reilly, C. M., **Higgins, M. K.**, Culler, S., Butler, J., & Dunbar, S. B. (2014). *Barriers to exercise in persons with heart failure and type 2 diabetes mellitus*. Student Poster (PSI-73), San Antonio, TX. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2014/AnnMtg/AbstractProceedings/data/papers/PSI-73.html>
91. *Darcy-Mahoney, A., Minter, B., & **Higgins, M. K.** (2014). *Birth & maternal predictors affecting timing of autism spectrum disorder diagnosis*. Late Breaking Poster (PSI-33), San Antonio, TX. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2014/AnnMtg/AbstractProceedings/data/papers/PSI-33.html>
92. *+Jia, Z., Hepburn, K., **Higgins, M. K.**, & Parkers, M. (2014). *Blessing or burden: The effect of employment status on african american caregivers of alzheimer's patients*. Student Poster (PSII-92), San Antonio, TX. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2014/AnnMtg/AbstractProceedings/data/papers/PSII-92.html>
93. *Darcy-Mahoney, A., Minter, B., **Higgins, M. K.**, & Hirst, J. (2014). *Predictors of autism diagnosis and factors affecting the timing of ASD diagnosis*. Atlanta, GA.
94. *+Christensen, K., **Higgins, M. K.**, & Dunbar, S. B. (2014). *Psychological and physiological differences among african-american and caucasian caregivers of heart failure patients*. Poster

(PSII-25), San Antonio, TX. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2014/AnnMtg/AbstractProceedings/data/papers/PSII-25.html>

95. *+Tomaso, S., Gary, R., & **Higgins, M. K.** (2014). *The influence of exercise on physical and psychological function of family caregivers of persons with heart failure*. Oral Presentation (A5-2), San Antonio, TX. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2014/AnnMtg/AbstractProceedings/data/papers/A5-2.html>
96. *Winterboer, D. S., Wittig-Wells, D., **Higgins, M. K.**, & Samms-McPherson, J. (2014). *The relationship between non surgical pain and activity in patients undergoing a total knee athroplasty*. Oral Presentation, Atlanta, GA.
97. **Higgins, M. K.**, Williams, B., & Coffen, J. (2013, November 8). *Responsible data management*. Oral Presentation, Atlanta, GA.
98. Waldrop-Valverde, D., & **Higgins, M. K.** (2013, January 25). *Demystification of important research concepts: Covariates, confounding, moderators and mediators*. Oral Presentation, Atlanta, GA.
99. *+Zellner, A., **Higgins, M. K.**, & Hepburn, K. (2013, December). *Effect of alzheimer's caregiving and multiple caregiving on allostatic load*. Oral Presentation, Atlanta, GA. Retrieved from <http://www.cfar.emory.edu/network/calendar/archive/2013.php#Dec>
100. *+Zuniga, J., +McCoy, K., **Higgins, M. K.**, & Holstad, M. (2013, December). *Is age a factor in adherence, stigma and clinical outcomes in a sample of HIV infected women?* Oral Presentation, Atlanta, GA. Retrieved from <http://www.cfar.emory.edu/network/calendar/archive/2013.php#Dec>
101. *+Butts, B., Gary, R. A., Dunbar, S. B., **Higgins, M. K.**, Miller, A., & Corwin, E. (2013, April). *Physiological and psychological risks for poor health and cardiovascular disease among family caregivers of persons with heart failure*. Poster, Atlanta, GA.
102. *Darcy-Mahoney, A., Minter, B., Burch, K., **Higgins, M. K.**, & Williams, B. (2013). *A pilot analysis of late-prematurity and birth history in children with autism*. Poster (PS1-17), Little Rock, AR. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2013/AnnMtg/AbstractProceedings/data/papers/PSI-17.html>
103. *+McCabe, N., **Higgins, M. K.**, Reilly, C. M., & Dunbar, S. B. (2013). *Development and pilot testing of the self-care congenital heart defects index*. Poster (PSIII-7), Little Rock, AR. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2013/AnnMtg/AbstractProceedings/data/papers/PSIII-7.html>
104. *+Butts, B., Reilly, C. M., Gary, R., **Higgins, M. K.**, Culler, S., Butler, J., & Dunbar, S. B. (2013). *Effect of an integrated heart failure and diabetes self-care intervention on quality of life and self-care behaviors*. Oral Presentation (A5-3), Little Rock, AR. Retrieved from <http://www.resourcenter.net/images/snrs/files/2013/annmtg/abstractproceedings/data/papers/A5-3.html>

105. *Reilly, C. M., **Higgins, M. K.**, Smith, A., Culler, S., & Dunbar, S. B. (2013). *The symptom of thirst in persons with heart failure*. Poster (PS1-16), Little Rock, AR. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2013/AnnMtg/AbstractProceedings/data/papers/PSI-16.html>
106. *Villar, J., Brown, M. R., Muir, A., Brutto, N. A., Wilson, M. E., & **Higgins, M. K.** (2012, January). *Maternal perinatal energy balance programs infant growth in Rhesus monkeys*. Oral Presentation, Atlanta, GA.
107. *Gary, R., Cress, M. E., **Higgins, M. K.**, Smith, A., & Dunbar, S. B. (2012). *A combined aerobic and resistance exercise program improves physical functional performance in patients with heart failure*. Oral Presentation (A4-4), New Orleans, LA. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2012/AnnMtg/AbstractProceedings/data/papers/A4-4.html>
108. *+McCabe, N., **Higgins, M. K.**, Reilly, C. M., & Dunbar, S. B. (2012). *Assessment of cognitive impairment in heart failure using the blessed orientation-memory-concentration scale*. Poster (PS2-52), New Orleans, LA. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2012/AnnMtg/AbstractProceedings/data/papers/PS2-52.html>
109. *Holstad, M., Ofotokun, I., Longwood, S. L., **Higgins, M. K.**, & +Bauman, M. (2012). *Evaluation of an audio-music program to promote antiretroviral therapy (ART) adherence: A pilot study*. Poster (PS2-7), New Orleans, LA. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2012/AnnMtg/AbstractProceedings/data/papers/PS2-7.html>
110. *Thomas, T., Strickland, O., DiClemente, R., & **Higgins, M. K.** (2012). *Fathers, sons, and the human papillomavirus (HPV) vaccine: Perceived vulnerability to HPV infection in boys ages 9 to 13*. Poster (67), Atlanta, GA. Retrieved from http://pedsresearch.org/_files/2012_Research%20Retreat%20Program%20Final_1-19-2012.pdf
111. *Dunbar, S. B., Gary, R., **Higgins, M. K.**, Reilly, C. M., Butler, J., & Culler, S. (2012). *Heart failure and diabetes together: Self-care knowledge, efficacy and behaviors*. Oral Presentation (C4-4), New Orleans, LA. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2012/AnnMtg/AbstractProceedings/data/papers/C4-4.html>
112. *+Din, E., **Higgins, M. K.**, & Reilly, C. M. (2012). *Reliability and validity of a hand-held device for measuring urinary sodium concentrations in heart failure patients*. Poster, Atlanta, GA.
113. *+Yeager, K. A., **Higgins, M. K.**, Quest, T., & Bauer-Wu, S. (2012). *The symptom profile of cancer patients in a public, inner-city hospital palliative care clinic*. Oral Presentation (A4-5), New Orleans, LA. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2012/AnnMtg/AbstractProceedings/data/papers/A4-5.html>
114. **Higgins, M. K.** (2011, September 26). *The importance of "correct" longitudinal modeling?* Oral Presentation, Atlanta, GA.
115. *+Ferranti, E., +Dai, J., Zeigler, T. R., Brigham, K., Frediani, J., **Higgins, M. K.**, Reilly, C. M., & Dunbar, S. B. (2011). *Diet quality as measured by the alternate healthy eating index in working adults*. Poster (PS1-45), Jacksonville, FL. Retrieved from

<http://www.resourcenter.net/images/SNRS/Files/2011/AnnMtg/AbstractProceedings/data/papers/PS1-45.html>

116. *+Stevens, D. Y., & **Higgins, M. K.** (2011). *Perceived discrimination in minority caregivers: Secondary analysis of a national survey*. Poster (PS1-29), Jacksonville, FL. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2011/AnnMtg/AbstractProceedings/data/papers/PS1-29.html>
117. *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.
118. *+Grossniklaus, D., Frediani, J., Gary, R., **Higgins, M. K.**, Tohill, B., & Dunbar, S. B. (2010). *Depressive symptoms and food energy density are independent predictors of abdominal obesity*. Oral Presentation (Abstract D3.3), Austin, TX. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2010/AnnMtg/AbstractProceedings/data/papers/149.pdf#page=1>
119. *+Houck, A., Dunbar, S. B., **Higgins, M. K.**, & Langberg, J. (2010). *Gender differences in psychological symptoms of implantable cardioverter defibrillators patients*. Poster PI-38, Austin, TX. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2010/AnnMtg/AbstractProceedings/data/papers/265.pdf#page=1>
120. *+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 (PII-38), Austin, TX. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2010/AnnMtg/AbstractProceedings/data/papers/317.pdf#page=1>
121. *+Ferranti, E., Butler, J., Culler, S., **Higgins, M. K.**, Gary, R., Reilly, C. M., Laszlo, M., Meadows, K., Moloney, M., & Dunbar, S. B. (2010). *Self-management of both heart failure and diabetes: Perspectives from patients and their family caregivers*. Poster (PS2-49), Jacksonville, FL. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2011/AnnMtg/AbstractProceedings/data/papers/PS2-49.html>
122. *Gary, R. A., & **Higgins, M. K.** (2009, January). *Aerobic and resistance exercise in heart failure: A pilot study*. Oral Presentation, Atlanta, GA.
123. *+Grossniklaus, D., Tohill, B., Frediani, J., Lee, J., **Higgins, M. K.**, Gary, R., & Dunbar, S. B. (2009). *Depressive symptoms are important correlates of dietary energy density in overweight adults*. Oral Presentation (Abstract 586), Baltimore, MD. Retrieved from <http://www.resourcenter.net/images/SNRS/Files/2009/AnnMtg/AbstractProceedings/data/papers/586.pdf#page=1>
124. *+Lee, J., Gary, R., & **Higgins, M. K.** (2008). *Predictors of tumor necrosis factor; in depressed heart failure patients*. Student Poster (721). Retrieved from https://www.snrs.org/sites/default/files/2008snrs_proceedingsfeb12third.pdf
125. **Higgins, M. K.**, & Cannady, J. (1997, September). *Police online interactive training (POINT)*. Oral Presentation, Forsyth, GA.

126. *Morgan, S. L., Watt, B. E., **Higgins, M. K.**, & Nimz, E. L. (1994, October 18). *Carbohydrate mixture and polymer analysis using pyrolysis/high resolution gas chromatography/mass spectrometry*. Invited paper - Oral Presentation, Birmingham, AL.

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.

[1] Higgins, M. K. (2009a). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Acceptance test plan (option 1-5) [02/2008 to 05/2009]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.

[2] Higgins, M. K. (2009b). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Acceptance test report (option 1-5) [02/2008 to 05/2009]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.

[3] Higgins, M. K. (2009c). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Design report (option 1-5) [02/2008 to 05/2009]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.

[4] Higgins, M. K. (2009d). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Engineering study report (option 6) [05/2009 to 05/2009]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.

[5] Higgins, M. K. (2009e). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Reliability analysis report (option 1-5) [02/2008 to 05/2009]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.

[6-34] Higgins, M. K. (2009f). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Status reports #01 - #29 [12/2006 to 05/2009]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.

[35] Higgins, M. K. (2009g). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Technical data package (option 1-5) [02/2008 to 05/2009]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.

[36] Higgins, M. K. (2009h). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Technical meeting report [05/2009 to 05/2009]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.

[37] Higgins, M. K. (2009i). *Development of microfluidic assay for determination of protein toxins: Final prototypes [08/2007 to 02/2009]* (No. GSA Contract # GST0407DE0023; GTRI Project # D-5494). Atlanta, GA: Georgia Tech Research Institute.

[38-53] Higgins, M. K. (2009j). *Development of microfluidic assay for determination of protein toxins: Monthly status reports #01 - #16 [08/2007 to 01/2009]* (No. GSA Contract # GST0407DE0023; GTRI Project # D-5494). Atlanta, GA: Georgia Tech Research Institute.

- [54] Higgins, M. K. (2008a). *Mobility electronic combat officers course (MECOC) material update - 2008: Contractor manpower report [01/2008 to 10/2008]* (No. GSA Contract # 4QAZ21086801; GTRI Project # D-5642). Atlanta, GA: Georgia Tech Research Institute.
- [55-65] Higgins, M. K. (2008b). *Mobility electronic combat officers course (MECOC) material update - 2008: Monthly status report #01 - #11 [01/2008 to 12/2008]* (No. GSA Contract # 4QAZ21086801; GTRI Project # D-5642). Atlanta, GA: Georgia Tech Research Institute.
- [66] Higgins, M. K. (2008c). *Mobility electronic combat officers course (MECOC) material update - 2008: Quality control plan [01/2008 to 01/2008]* (No. GSA Contract # 4QAZ21086801; GTRI Project # D-5642). Atlanta, GA: Georgia Tech Research Institute.
- [67] Higgins, M. K. (2008d). *Mobility electronic combat officers course (MECOC) material update - 2008: Technical annual/final report [01/2008 to 12/2008]* (No. GSA Contract # 4QAZ21086801; GTRI Project # D-5642). Atlanta, GA: Georgia Tech Research Institute.
- [68] Higgins, M. K. (2007a). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Acceptance test plan (task one) [12/2006 to 11/2007]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.
- [69] Higgins, M. K. (2007b). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Acceptance test report [12/2006 to 11/2007]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.
- [70] Higgins, M. K. (2007c). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: CDR report [12/2006 to 12/2007]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.
- [71] Higgins, M. K. (2007d). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Design report (task one) [12/2006 to 11/2007]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.
- [72] Higgins, M. K. (2007e). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Reliability analysis report [12/2006 to 11/2007]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.
- [73] Higgins, M. K. (2007f). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Technical data package (task one) [12/2006 to 11/2007]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.
- [74] Higgins, M. K. (2007g). *Development of microfluidic assay for determination of protein toxins: Quality control plan [08/2007 to 08/2007]* (No. GSA Contract # GST0407DE0023; GTRI Project # D-5494). Atlanta, GA: Georgia Tech Research Institute.
- [75] Higgins, M. K. (2007h). *Engineering services COTS (commerical off the shelf) or NDI (non-development item) replacement assemblies for AN/GRT-21 (GRR/GRT) radios sustainability: Engineering study report [04/2005 to 04/2007]* (No. GSA Contract # 4TEO21056802; GTRI Project # A-7678). Atlanta, GA: Georgia Tech Research Institute.
- [76] Higgins, M. K. (2007i). *Engineering services COTS (commerical off the shelf) or NDI (non-development item) replacement assemblies for AN/GRT-21 (GRR/GRT) radios sustainability: Final engineering program plan [04/2005 to 04/2007]* (No. GSA Contract # 4TEO21056802; GTRI Project # A-7678). Atlanta, GA: Georgia Tech Research Institute.

- [77] Higgins, M. K. (2007j). *Mobility electronic combat officers course (MECOC) material update - 2007: Contractor manpower report [01/2007 to 10/2007]* (No. GSA Contract # 4TEZ21076801; GTRI Project # D-5274). Atlanta, GA: Georgia Tech Research Institute.
- [78] Higgins, M. K. (2007k). *Mobility electronic combat officers course (MECOC) material update - 2007: Final technical report [01/2007 to 12/2007]* (No. GSA Contract # 4TEZ21076801; GTRI Project # D-5274). Atlanta, GA: Georgia Tech Research Institute.
- [79-89] Higgins, M. K. (2007l). *Mobility electronic combat officers course (MECOC) material update - 2007: Monthly status report #01 - #11 [01/2007 to 12/2007]* (No. GSA Contract # 4TEZ21076801; GTRI Project # D-5274). Atlanta, GA: Georgia Tech Research Institute.
- [90] Higgins, M. K. (2007m). *Mobility electronic combat officers course (MECOC) material update - 2007: Quality control plan [01/2007 to 01/2007]* (No. GSA Contract # 4TEZ21076801; GTRI Project # D-5274). Atlanta, GA: Georgia Tech Research Institute.
- [91-101] Higgins, M. K. (2007n). *NGB-CD (national guard bureau - counterdrug directorate) technology consortium program coordination: Monthly reports #01 - #11 [03/2003 to 07/2007]* (No. GSA Contract # 4TEO21037018; GTRI Project # A-7096). Atlanta, GA: Georgia Tech Research Institute.
- [102] Higgins, M. K. (2007o). *UAV (unmanned aerial vehicle) technical support to USAID and georgia national guard: After action report [02/2007 to 10/2007]* (No. GSA Contract # 4TEZ21066809; GTRI Project # D-5296). Atlanta, GA: Georgia Tech Research Institute.
- [103] Higgins, M. K. (2007p). *UAV (unmanned aerial vehicle) technical support to USAID and georgia national guard: Flight test report [02/2007 to 10/2007]* (No. GSA Contract # 4TEZ21066809; GTRI Project # D-5296). Atlanta, GA: Georgia Tech Research Institute.
- [104] Higgins, M. K. (2007q). *UAV (unmanned aerial vehicle) technical support to USAID and georgia national guard: Inspection report [10/2007 to 10/2007]* (No. GSA Contract # 4TEZ21066809; GTRI Project # D-5296). Atlanta, GA: Georgia Tech Research Institute.
- [105] Higgins, M. K. (2007r). *UAV (unmanned aerial vehicle) technical support to USAID and georgia national guard: Quality control plan [02/2007 to 02/2007]* (No. GSA Contract # 4TEZ21066809; GTRI Project # D-5296). Atlanta, GA: Georgia Tech Research Institute.
- [106-111] Higgins, M. K. (2007s). *UAV (unmanned aerial vehicle) technical support to USAID and georgia national guard: Status report #01 - #06 [02/2007 to 09/2007]* (No. GSA Contract # 4TEZ21066809; GTRI Project # D-5296). Atlanta, GA: Georgia Tech Research Institute.
- [112] Higgins, M. K. (2007t). *UAV (unmanned aerial vehicle) technical support to USAID and georgia national guard: Supplement training document [02/2007 to 10/2007]* (No. GSA Contract # 4TEZ21066809; GTRI Project # D-5296). Atlanta, GA: Georgia Tech Research Institute.
- [113] Higgins, M. K. (2007u). *UAV (unmanned aerial vehicle) technical support to USAID and georgia national guard: Upgraded system with battery pack [02/2007 to 10/2007]* (No. GSA Contract # 4TEZ21066809; GTRI Project # D-5296). Atlanta, GA: Georgia Tech Research Institute.
- [114] Higgins, M. K. (2006a). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Quality control plan [12/2006 to 12/2006]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.
- [115] Higgins, M. K. (2006b). *AN/GRT-21/22 and the AN/GRR-23/24 technology insertion program: Work breakdown [12/2006 to 12/2006]* (No. GSA Contract # 4TEZ21076812; GTRI Project # D-5247). Atlanta, GA: Georgia Tech Research Institute.

- [116] Higgins, M. K. (2006c). *DSS (decision support system) national implementation (tasks for 2004-2005): Field test report and prototype of system [04/2004 to 02/2006]* (No. GSA Contract # GST0404DE0172; GTRI Project # A-7413). Atlanta, GA: Georgia Tech Research Institute.
- [117] Higgins, M. K. (2006d). *DSS (decision support system) national implementation (tasks for 2004-2005): Indoor grow site report [04/2004 to 02/2006]* (No. GSA Contract # GST0404DE0172; GTRI Project # A-7413). Atlanta, GA: Georgia Tech Research Institute.
- [118] Higgins, M. K. (2006e). *DSS (decision support system) national implementation (tasks for 2004-2005): Rules set for additional states [04/2004 to 02/2006]* (No. GSA Contract # GST0404DE0172; GTRI Project # A-7413). Atlanta, GA: Georgia Tech Research Institute.
- [119] Higgins, M. K. (2006f). *Engineering services COTS (commerical off the shelf) or NDI (non-development item) replacement assemblies for AN/GRT-21 (GRR/GRT) radios sustainability: Draft engineering program plan [04/2005 to 01/2006]* (No. GSA Contract # 4TEO21056802; GTRI Project # A-7678). Atlanta, GA: Georgia Tech Research Institute.
- [120] Higgins, M. K. (2006g). *Engineering services COTS (commerical off the shelf) or NDI (non-development item) replacement assemblies for AN/GRT-21 (GRR/GRT) radios sustainability: Hardware analysis and test report [04/2005 to 03/2006]* (No. GSA Contract # 4TEO21056802; GTRI Project # A-7678). Atlanta, GA: Georgia Tech Research Institute.
- [121] Higgins, M. K. (2006h). *Evaluation and selection of c-130 RORO (roll on roll off) pallet: Final pallet delivered [11/2004 to 05/2006]* (No. GSA Contract # GST0405DE0025; GTRI Project # A-7593). Atlanta, GA: Georgia Tech Research Institute.
- [122] Higgins, M. K. (2006i). *Military training route environmental assessments: Draft environmental assessment report [10/2004 to 03/2006]* (No. GSA Contract # 4TEO21056804; GTRI Project # A-7561). Atlanta, GA: Georgia Tech Research Institute.
- [123] Higgins, M. K. (2006j). *Military training route environmental assessments: Draft finding of no significant impact statement [10/2004 to 03/2006]* (No. GSA Contract # 4TEO21056804; GTRI Project # A-7561). Atlanta, GA: Georgia Tech Research Institute.
- [124] Higgins, M. K. (2006k). *Military training route environmental assessments: Final environmental assessment report [10/2004 to 03/2006]* (No. GSA Contract # 4TEO21056804; GTRI Project # A-7561). Atlanta, GA: Georgia Tech Research Institute.
- [125] Higgins, M. K. (2006l). *Military training route environmental assessments: Final finding of no significant impact statement [10/2004 to 03/2006]* (No. GSA Contract # 4TEO21056804; GTRI Project # A-7561). Atlanta, GA: Georgia Tech Research Institute.
- [126] Higgins, M. K. (2006m). *Military training route environmental assessments: Final report-recommended procedures [10/2004 to 03/2006]* (No. GSA Contract # 4TEO21056804; GTRI Project # A-7561). Atlanta, GA: Georgia Tech Research Institute.
- [127] Higgins, M. K. (2006n). *Military training route environmental assessments: GIS databases related to project [10/2004 to 03/2006]* (No. GSA Contract # 4TEO21056804; GTRI Project # A-7561). Atlanta, GA: Georgia Tech Research Institute.
- [128] Higgins, M. K. (2006o). *Mobility electronic combat officers course (MECOC) material update - FY06: Final report [01/2006 to 12/2006]* (No. GSA Contract # 4TEZ21066801; GTRI Project # A-7935). Atlanta, GA: Georgia Tech Research Institute.

[129-139] Higgins, M. K. (2006p). *Mobility electronic combat officers course (MECOC) material update - FY06: Status reports #01 - #11 [01/2006 to 12/2006]* (No. GSA Contract # 4TEZ21066801; GTRI Project # A-7935). Atlanta, GA: Georgia Tech Research Institute.

[140] Higgins, M. K. (2006q). *Modeling and simulation requirements specification for AFAMS: Final report [04/2005 to 03/2006]* (No. GSA Contract # 4TEO21056806; GTRI Project # A-7669). Atlanta, GA: Georgia Tech Research Institute.

[141-163] Higgins, M. K. (2006r). *National guard bureau (NGB) technology consortium program coordination and advisory council: Monthly status reports #01 - #23 [04/2004 to 03/2006]* (No. GSA Contract # GST0404DE0171; GTRI Project # A-7414). Atlanta, GA: Georgia Tech Research Institute.

[164] Higgins, M. K. (2006s). *NGB-CD (national guard bureau - counterdrug directorate) internal web management and system development: 4th quarter website and documentation [10/2005 to 10/2006]* (No. GSA Contract # 4TEO21057037; GTRI Project # A-7576). Atlanta, GA: Georgia Tech Research Institute.

[165] Higgins, M. K. (2006t). *NGB (national guard bureau) SAMS software replacement and development: Testing document [03/2005 to 04/2006]* (No. GSA Contract # 4TEO21057039; GTRI Project # A-7633). Atlanta, GA: Georgia Tech Research Institute.

[166] Higgins, M. K. (2006u). *NGB (national guard bureau) SAMS software replacement and development: Testing results [03/2005 to 08/2006]* (No. GSA Contract # 4TEO21057039; GTRI Project # A-7633). Atlanta, GA: Georgia Tech Research Institute.

[167] Higgins, M. K. (2006v). *Requirement internet protocol (IP) based data link for national guard bureau: Concept of operations (CONOPS) document [11/2004 to 11/2006]* (No. GSA Contract # GST0405DE0024; GTRI Project # A-7592). Atlanta, GA: Georgia Tech Research Institute.

[168] Higgins, M. K. (2006w). *Requirement internet protocol (IP) based data link for national guard bureau: Final report [11/2004 to 11/2006]* (No. GSA Contract # GST0405DE0024; GTRI Project # A-7592). Atlanta, GA: Georgia Tech Research Institute.

[169] Higgins, M. K. (2006x). *Requirement internet protocol (IP) based data link for national guard bureau: Maintenance manual [11/2004 to 11/2006]* (No. GSA Contract # GST0405DE0024; GTRI Project # A-7592). Atlanta, GA: Georgia Tech Research Institute.

[170] Higgins, M. K. (2006y). *Requirement internet protocol (IP) based data link for national guard bureau: Training manual [11/2004 to 11/2006]* (No. GSA Contract # GST0405DE0024; GTRI Project # A-7592). Atlanta, GA: Georgia Tech Research Institute.

[171] Higgins, M. K. (2005a). *Contract in support of the condition based maintenance (CBM) program: Demonstration prognostics-h60 IGB [06/2005 to 11/2005]* (No. GSA Contract # 4TEO21056807; GTRI Project # A-7738). Atlanta, GA: Georgia Tech Research Institute.

[172] Higgins, M. K. (2005b). *Engineering services COTS (commerical off the shelf) or NDI (non-development item) replacement assemblies for AN/GRT-21 (GRR/GRT) radios sustainability: Engineering data guidance conference [04/2005 to 05/2005]* (No. GSA Contract # 4TEO21056802; GTRI Project # A-7678). Atlanta, GA: Georgia Tech Research Institute.

[173] Higgins, M. K. (2005c). *Engineering services COTS (commerical off the shelf) or NDI (non-development item) replacement assemblies for AN/GRT-21 (GRR/GRT) radios sustainability: Technical data package evaluation [04/2005 to 09/2005]* (No. GSA Contract # 4TEO21056802; GTRI Project # A-7678). Atlanta, GA: Georgia Tech Research Institute.

[174] Higgins, M. K. (2005d). *Evaluation and selection of c-130 RORO (roll on roll off) pallet: Interim report [11/2004 to 08/2005]* (No. GSA Contract # GST0405DE0025; GTRI Project # A-7593). Atlanta, GA: Georgia Tech Research Institute.

[175] Higgins, M. K. (2005e). *Evaluation and selection of c-130 RORO (roll on roll off) pallet: Mechanical/electrical drawings [11/2004 to 11/2005]* (No. GSA Contract # GST0405DE0025; GTRI Project # A-7593). Atlanta, GA: Georgia Tech Research Institute.

[176] Higgins, M. K. (2005f). *Evaluation and selection of c-130 RORO (roll on roll off) pallet: Test plan - dynamic motion [11/2004 to 11/2005]* (No. GSA Contract # GST0405DE0025; GTRI Project # A-7593). Atlanta, GA: Georgia Tech Research Institute.

[177] Higgins, M. K. (2005g). *Integration of GTVIS (georgia tech visual information system) and DMS (digital mapping system) portal: Tasks for 2004-2005: Final report and final interface [04/2004 to 09/2005]* (No. GSA Contract # GST0404DE0170; GTRI Project # A-7415). Atlanta, GA: Georgia Tech Research Institute.

[178] Higgins, M. K. (2005h). *Integration of GTVIS (georgia tech visual information system) and DMS (digital mapping system) portal: Tasks for 2004-2005: Interim report 2 and prototype interface 2 [04/2004 to 03/2005]* (No. GSA Contract # GST0404DE0170; GTRI Project # A-7415). Atlanta, GA: Georgia Tech Research Institute.

[179] Higgins, M. K. (2005i). *Mobility electronic combat officers course (MECOC) material update - FY05 follow-on: Technical final report [11/2004 to 11/2005]* (No. GSA Contract # 4TEO21056801; GTRI Project # A-7585). Atlanta, GA: Georgia Tech Research Institute.

[180] Higgins, M. K. (2005j). *Mobility electronic combat officers course (MECOC) material update: Test report [10/2003 to 04/2005]* (No. GSA Contract # 4TEO21046801; GTRI Project # A-7300). Atlanta, GA: Georgia Tech Research Institute.

[181-203] Higgins, M. K. (2005k). *National guard bureau (NGB) technology consortium program coordination: Monthly status reports #01 - #23 [11/2003 to 10/2005]* (No. GSA Contract # GST0404DE0031; GTRI Project # A-7301). Atlanta, GA: Georgia Tech Research Institute.

[204] Higgins, M. K. (2005l). *NGB-CD (national guard bureau - counterdrug directorate) internal web management and system development: 1st quarter website and documentation [10/2004 to 01/2005]* (No. GSA Contract # 4TEO21057037; GTRI Project # A-7576). Atlanta, GA: Georgia Tech Research Institute.

[205] Higgins, M. K. (2005m). *NGB-CD (national guard bureau - counterdrug directorate) internal web management and system development: 2nd quarter website and documentation [02/2005 to 06/2005]* (No. GSA Contract # 4TEO21057037; GTRI Project # A-7576). Atlanta, GA: Georgia Tech Research Institute.

[206] Higgins, M. K. (2005n). *NGB-CD (national guard bureau - counterdrug directorate) internal web management and system development: 3rd quarter website and documentation [06/2005 to 09/2005]* (No. GSA Contract # 4TEO21057037; GTRI Project # A-7576). Atlanta, GA: Georgia Tech Research Institute.

[207] Higgins, M. K. (2005o). *NGB (national guard bureau) SAMS software replacement and development: Requirements document [03/2005 to 04/2005]* (No. GSA Contract # 4TEO21057039; GTRI Project # A-7633). Atlanta, GA: Georgia Tech Research Institute.

- [208] Higgins, M. K. (2005p). *Requirement internet protocol (IP) based data link for national guard bureau: Task plan [11/2004 to 05/2005]* (No. GSA Contract # GST0405DE0024; GTRI Project # A-7592). Atlanta, GA: Georgia Tech Research Institute.
- [209] Higgins, M. K. (2005q). *Space based RADAR - operational concepts and procedures for the national guard bureau: Final report [12/2004 to 07/2005]* (No. GSA Contract # GST0405DE0028; GTRI Project # A-7602). Atlanta, GA: Georgia Tech Research Institute.
- [210] Higgins, M. K. (2005r). *Standardized c-130 pallet (tasks for 2004-2005): 3rd quarter meeting summary report [12/2004 to 02/2005]* (No. GSA Contract # GST0404DE0141; GTRI Project # A-7402). Atlanta, GA: Georgia Tech Research Institute.
- [211] Higgins, M. K. (2005s). *Standardized c-130 pallet (tasks for 2004-2005): Final report [04/2004 to 06/2005]* (No. GSA Contract # GST0404DE0141; GTRI Project # A-7402). Atlanta, GA: Georgia Tech Research Institute.
- [212] Higgins, M. K. (2004a). *DMS (digital mapping server) portal tasks: Integration of GTVIS (georgia tech visual information server) and extended applications: 2nd prototype [04/2003 to 01/2004]* (No. GSA Contract # T040BF0228; GTRI Project # A-7126). Atlanta, GA: Georgia Tech Research Institute.
- [213] Higgins, M. K. (2004b). *DMS (digital mapping server) portal tasks: Integration of GTVIS (georgia tech visual information server) and extended applications: 3D interface considerations report [04/2003 to 03/2004]* (No. GSA Contract # T040BF0228; GTRI Project # A-7126). Atlanta, GA: Georgia Tech Research Institute.
- [214] Higgins, M. K. (2004c). *DMS (digital mapping server) portal tasks: Integration of GTVIS (georgia tech visual information server) and extended applications: 3rd prototype [04/2003 to 02/2004]* (No. GSA Contract # T040BF0228; GTRI Project # A-7126). Atlanta, GA: Georgia Tech Research Institute.
- [215] Higgins, M. K. (2004d). *DMS (digital mapping server) portal tasks: Integration of GTVIS (georgia tech visual information server) and extended applications: Final handheld demo [04/2003 to 04/2004]* (No. GSA Contract # T040BF0228; GTRI Project # A-7126). Atlanta, GA: Georgia Tech Research Institute.
- [216] Higgins, M. K. (2004e). *DMS (digital mapping server) portal tasks: Integration of GTVIS (georgia tech visual information server) and extended applications: Final report and user documentation [04/2003 to 06/2004]* (No. GSA Contract # T040BF0228; GTRI Project # A-7126). Atlanta, GA: Georgia Tech Research Institute.
- [217] Higgins, M. K. (2004f). *DSS (decision support system) national implementation: Reports GUI [04/2003 to 06/2004]* (No. GSA Contract # TO40BF0229; GTRI Project # A-7125). Atlanta, GA: Georgia Tech Research Institute.
- [218] Higgins, M. K. (2004g). *DSS (decision support system) national implementation: Rules set report [04/2003 to 06/2004]* (No. GSA Contract # TO40BF0229; GTRI Project # A-7125). Atlanta, GA: Georgia Tech Research Institute.
- [219] Higgins, M. K. (2004h). *DSS (decision support system) national implementation: Software documentation (reports GUI) [04/2003 to 06/2004]* (No. GSA Contract # TO40BF0229; GTRI Project # A-7125). Atlanta, GA: Georgia Tech Research Institute.
- [220] Higgins, M. K. (2004i). *DSS (decision support system) national implementation: SOP (standard operating procedure) for DSS implementation [04/2003 to 06/2004]* (No. GSA Contract # TO40BF0229; GTRI Project # A-7125). Atlanta, GA: Georgia Tech Research Institute.

[221] Higgins, M. K. (2004j). *DSS (decision support system) national implementation: Statistical analysis (appalachian data) [04/2003 to 06/2004]* (No. GSA Contract # TO40BF0229; GTRI Project # A-7125). Atlanta, GA: Georgia Tech Research Institute.

[222] Higgins, M. K. (2004k). *DSS (decision support system) national implementation: Users manual (reports GUI) [04/2003 to 06/2004]* (No. GSA Contract # TO40BF0229; GTRI Project # A-7125). Atlanta, GA: Georgia Tech Research Institute.

[223] Higgins, M. K. (2004l). *DSS (decision support system) national implementation: Workshop meeting results report [04/2003 to 06/2004]* (No. GSA Contract # TO40BF0229; GTRI Project # A-7125). Atlanta, GA: Georgia Tech Research Institute.

[224] Higgins, M. K. (2004m). *Georgia digital ortho-photo quads (DOQQs) - part 2: 2nd set of GA DOQQs [08/2003 to 02/2004]* (No. GSA Contract # T0403BF0343; GTRI Project # A-7231). Atlanta, GA: Georgia Tech Research Institute.

[225] Higgins, M. K. (2004n). *Georgia digital ortho-photo quads (DOQQs) - part 2: 3rd set of GA DOQQs [08/2003 to 04/2004]* (No. GSA Contract # T0403BF0343; GTRI Project # A-7231). Atlanta, GA: Georgia Tech Research Institute.

[226] Higgins, M. K. (2004o). *Georgia digital ortho-photo quads (DOQQs) - part 2: 4th set of GA DOQQs [08/2003 to 06/2004]* (No. GSA Contract # T0403BF0343; GTRI Project # A-7231). Atlanta, GA: Georgia Tech Research Institute.

[227] Higgins, M. K. (2004p). *Georgia digital ortho-photo quads (DOQQs) - part 2: Final corrected data upload [08/2003 to 12/2004]* (No. GSA Contract # T0403BF0343; GTRI Project # A-7231). Atlanta, GA: Georgia Tech Research Institute.

[228] Higgins, M. K. (2004q). *Georgia digital ortho-photo quads (DOQQs) - part 2: Final set of GA DOQQs [08/2003 to 08/2004]* (No. GSA Contract # T0403BF0343; GTRI Project # A-7231). Atlanta, GA: Georgia Tech Research Institute.

[229] Higgins, M. K. (2004r). *Integration of GTVIS (georgia tech visual information system) and DMS (digital mapping system) portal: Tasks for 2004-2005: Interim report 1 and prototype interface 1 [04/2004 to 09/2004]* (No. GSA Contract # GST0404DE0170; GTRI Project # A-7415). Atlanta, GA: Georgia Tech Research Institute.

[230] Higgins, M. K. (2004s). *Marijuana remote sensing plan: Document of potential solutions [03/2003 to 09/2004]* (No. GSA Contract # T0403BF0245; GTRI Project # A-7150). Atlanta, GA: Georgia Tech Research Institute.

[231] Higgins, M. K. (2004t). *Marijuana remote sensing plan: Final experimental design report [03/2003 to 09/2004]* (No. GSA Contract # T0403BF0245; GTRI Project # A-7150). Atlanta, GA: Georgia Tech Research Institute.

[232] Higgins, M. K. (2004u). *Marijuana remote sensing plan: Final plan report [03/2003 to 09/2004]* (No. GSA Contract # T0403BF0245; GTRI Project # A-7150). Atlanta, GA: Georgia Tech Research Institute.

[233] Higgins, M. K. (2004v). *Mobility electronic combat officers course (MECOC) material update: Technical final report [10/2003 to 10/2004]* (No. GSA Contract # 4TEO21046801; GTRI Project # A-7300). Atlanta, GA: Georgia Tech Research Institute.

[234] Higgins, M. K. (2004w). *Requirements analysis and technology assessments for covert tag: Paint analysis results report [08/2003 to 06/2004]* (No. GSA Contract # 4TEO21037026; GTRI Project # A-7235). Atlanta, GA: Georgia Tech Research Institute.

[235] Higgins, M. K. (2004x). *Requirements analysis and technology assessments for covert tag: Proposal for prototype development [08/2003 to 03/2004]* (No. GSA Contract # 4TEO21037026; GTRI Project # A-7235). Atlanta, GA: Georgia Tech Research Institute.

[236] Higgins, M. K. (2004y). *Requirements analysis and technology assessments for covert tag: Technology assessment document [08/2003 to 03/2004]* (No. GSA Contract # 4TEO21037026; GTRI Project # A-7235). Atlanta, GA: Georgia Tech Research Institute.

[237] Higgins, M. K. (2004z). *Standardized c-130 pallet design: Final plan and pallet design [04/2003 to 04/2004]* (No. GSA Contract # T040BF0240; GTRI Project # A-7149). Atlanta, GA: Georgia Tech Research Institute.

[238] Higgins, M. K. (2004aa). *Standardized c-130 pallet design: Report on bench, ground, air test plan [04/2003 to 03/2004]* (No. GSA Contract # T040BF0240; GTRI Project # A-7149). Atlanta, GA: Georgia Tech Research Institute.

[239] Higgins, M. K. (2004ab). *Standardized c-130 pallet (tasks for 2004-2005): 1st quarter meeting summary report [01/2004 to 08/2004]* (No. GSA Contract # GST0404DE0141; GTRI Project # A-7402). Atlanta, GA: Georgia Tech Research Institute.

[240] Higgins, M. K. (2004ac). *Standardized c-130 pallet (tasks for 2004-2005): 2nd quarter meeting summary report [09/2004 to 11/2004]* (No. GSA Contract # GST0404DE0141; GTRI Project # A-7402). Atlanta, GA: Georgia Tech Research Institute.

[241] Higgins, M. K. (2004ad). *Standardized c-130 pallet (tasks for 2004-2005): Operational missing requirements analysis [01/2004 to 08/2004]* (No. GSA Contract # GST0404DE0141; GTRI Project # A-7402). Atlanta, GA: Georgia Tech Research Institute.

[242] Higgins, M. K. (2004ae). *Standardized c-130 pallet (tasks for 2004-2005): Technology evaluation: Sensor v. Operations requirement [04/2004 to 11/2004]* (No. GSA Contract # GST0404DE0141; GTRI Project # A-7402). Atlanta, GA: Georgia Tech Research Institute.

[243] Higgins, M. K. (2004af). *UAV (unmanned aerial vehicle) integrated data support: Documentation and code for web development [06/2003 to 03/2004]* (No. GSA Contract # 4TEO21037024; GTRI Project # A-7180). Atlanta, GA: Georgia Tech Research Institute.

[244] Higgins, M. K. (2004ag). *UAV (unmanned aerial vehicle) integrated data support: Documentation for UMEPSS [06/2003 to 03/2004]* (No. GSA Contract # 4TEO21037024; GTRI Project # A-7180). Atlanta, GA: Georgia Tech Research Institute.

[245] Higgins, M. K. (2004ah). *V-22 OT&E (operational testing and evaluation) for ISRFID and enhanced development for ISRFID: Final report on performance [09/2003 to 09/2004]* (No. GSA Contract # 4TEO21037027; GTRI Project # A-7251). Atlanta, GA: Georgia Tech Research Institute.

[246] Higgins, M. K. (2003a). *Counterdrug geographical regional assessment sensor system (CD-GRASS): After event summary report [09/2002 to 10/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[247] Higgins, M. K. (2003b). *Counterdrug geographical regional assessment sensor system (CD-GRASS): Briefings [11/1998 to 12/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[248] Higgins, M. K. (2003c). *Counterdrug geographical regional assessment sensor system (CD-GRASS): Comprehensive technical reports of all active task orders #01 - #09 [11/1998 to 12/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[249] Higgins, M. K. (2003d). *Counterdrug geographical regional assessment sensor system (CD-GRASS): Final report – FOCUS II [03/2003 to 12/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[250] Higgins, M. K. (2003e). *Counterdrug geographical regional assessment sensor system (CD-GRASS): Implementation packages [11/1998 to 12/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[251] Higgins, M. K. (2003f). *Counterdrug geographical regional assessment sensor system (CD-GRASS): MCEDSS task 5 documentation and evaluation report [11/2002 to 04/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[252] Higgins, M. K. (2003g). *Counterdrug geographical regional assessment sensor system (CD-GRASS): MCEDSS task 6 report [08/2002 to 04/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[253] Higgins, M. K. (2003h). *Counterdrug geographical regional assessment sensor system (CD-GRASS): MCEDSS task 7 test plan, final test and evaluation report [10/2002 to 06/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[254-380] Higgins, M. K. (2003i). *Counterdrug geographical regional assessment sensor system (CD-GRASS): Monthly status reports #001 - #127 [11/1998 to 12/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[381] Higgins, M. K. (2003j). *Counterdrug geographical regional assessment sensor system (CD-GRASS): Phase III report – FOCUS II [03/2003 to 12/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[382] Higgins, M. K. (2003k). *Counterdrug geographical regional assessment sensor system (CD-GRASS): Phase II report – FOCUS II [03/2003 to 12/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[383] Higgins, M. K. (2003l). *Counterdrug geographical regional assessment sensor system (CD-GRASS): Phase I report – FOCUS II [03/2003 to 06/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[384-389] Higgins, M. K. (2003m). *Counterdrug geographical regional assessment sensor system (CD-GRASS): Topic specific technical reports #01 - #06 [04/2001 to 12/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[390] Higgins, M. K. (2003n). *Counterdrug geographical regional assessment sensor system (CD-GRASS): Website tasks: Phase II deliverables [01/2003 to 04/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[391] Higgins, M. K. (2003o). *Counterdrug geographical regional assessment sensor system (CD-GRASS): Website tasks: Phase III deliverables [05/2003 to 12/2003]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[392] Higgins, M. K. (2003p). *DMS (digital mapping server) portal tasks: Integration of GTVIS (georgia tech visual information server) and extended applications: COMP/DECOMP evaluation report [04/2003 to 07/2003]* (No. GSA Contract # T040BF0228; GTRI Project # A-7126). Atlanta, GA: Georgia Tech Research Institute.

- [393] Higgins, M. K. (2003q). *DMS (digital mapping server) portal tasks: Integration of GTVIS (georgia tech visual information server) and extended applications: Initial prototype [04/2003 to 09/2003]* (No. GSA Contract # T040BF0228; GTRI Project # A-7126). Atlanta, GA: Georgia Tech Research Institute.
- [394] Higgins, M. K. (2003r). *DMS (digital mapping server) portal tasks: Integration of GTVIS (georgia tech visual information server) and extended applications: Interim handheld demo [04/2003 to 12/2003]* (No. GSA Contract # T040BF0228; GTRI Project # A-7126). Atlanta, GA: Georgia Tech Research Institute.
- [395] Higgins, M. K. (2003s). *DMS (digital mapping server) portal tasks: Integration of GTVIS (georgia tech visual information server) and extended applications: Plan of action report [04/2003 to 05/2003]* (No. GSA Contract # T040BF0228; GTRI Project # A-7126). Atlanta, GA: Georgia Tech Research Institute.
- [396] Higgins, M. K. (2003t). *DMS (digital mapping server) portal tasks: Integration of GTVIS (georgia tech visual information server) and extended applications: Preliminary design with plan [04/2003 to 06/2003]* (No. GSA Contract # T040BF0228; GTRI Project # A-7126). Atlanta, GA: Georgia Tech Research Institute.
- [397] Higgins, M. K. (2003u). *Engine asset contractor logistics support study: Final report [02/2003 to 08/2003]* (No. GSA Contract # 4TEO21037018; GTRI Project # A-7096). Atlanta, GA: Georgia Tech Research Institute.
- [398] Higgins, M. K. (2003v). *Engine asset contractor logistics support study: Technical report - study/service [02/2003 to 08/2003]* (No. GSA Contract # 4TEO21037018; GTRI Project # A-7096). Atlanta, GA: Georgia Tech Research Institute.
- [399] Higgins, M. K. (2003w). *Georgia digital ortho-photo quads (DOQQs): CD's - existing DOQQs [10/2002 to 01/2003]* (No. GSA Contract # T0403BF0072; GTRI Project # A-7033). Atlanta, GA: Georgia Tech Research Institute.
- [400] Higgins, M. K. (2003x). *Georgia digital ortho-photo quads (DOQQs): CD's - new DOQQs [10/2002 to 04/2003]* (No. GSA Contract # T0403BF0072; GTRI Project # A-7033). Atlanta, GA: Georgia Tech Research Institute.
- [401] Higgins, M. K. (2003y). *Georgia digital ortho-photo quads (DOQQs) - part 2: 1st set of GA DOQQs [08/2003 to 12/2003]* (No. GSA Contract # T0403BF0343; GTRI Project # A-7231). Atlanta, GA: Georgia Tech Research Institute.
- [402-407] Higgins, M. K. (2003z). *Georgia digital ortho-photo quads (DOQQs): Status and budget expense reports (hardcopy and electronic) #01 - #06 [10/2002 to 09/2003]* (No. GSA Contract # T0403BF0072; GTRI Project # A-7033). Atlanta, GA: Georgia Tech Research Institute.
- [408] Higgins, M. K. (2003aa). *Marijuana remote sensing plan: Initial workshop planning meeting [03/2003 to 11/2003]* (No. GSA Contract # T0403BF0245; GTRI Project # A-7150). Atlanta, GA: Georgia Tech Research Institute.
- [409] Higgins, M. K. (2003ab). *Marijuana remote sensing plan: Technical specifications and experimental design report [03/2003 to 12/2003]* (No. GSA Contract # T0403BF0245; GTRI Project # A-7150). Atlanta, GA: Georgia Tech Research Institute.
- [410] Higgins, M. K. (2003ac). *Marijuana remote sensing plan: Workshop meeting report [03/2003 to 12/2003]* (No. GSA Contract # T0403BF0245; GTRI Project # A-7150). Atlanta, GA: Georgia Tech Research Institute.

[411] Higgins, M. K. (2003ad). *Radio frequency identification (RFID) and sensor array integration: ISRFID handheld unit with CMB prototype [02/2003 to 08/2003]* (No. GSA Contract # 4TEO21037022; GTRI Project # A-7079). Atlanta, GA: Georgia Tech Research Institute.

[412] Higgins, M. K. (2003ae). *Radio frequency identification (RFID) and sensor array integration: Technical report - study/service [02/2003 to 08/2003]* (No. GSA Contract # 4TEO21037022; GTRI Project # A-7079). Atlanta, GA: Georgia Tech Research Institute.

[413] Higgins, M. K. (2003af). *Requirements analysis and technology assessments for covert tag: Requirements document [08/2003 to 09/2003]* (No. GSA Contract # 4TEO21037026; GTRI Project # A-7235). Atlanta, GA: Georgia Tech Research Institute.

[414] Higgins, M. K. (2003ag). *Standardized c-130 pallet design: 2nd pallet design [04/2003 to 11/2003]* (No. GSA Contract # T040BF0240; GTRI Project # A-7149). Atlanta, GA: Georgia Tech Research Institute.

[415] Higgins, M. K. (2003ah). *Standardized c-130 pallet design: Bench, ground, air test plan [04/2003 to 12/2003]* (No. GSA Contract # T040BF0240; GTRI Project # A-7149). Atlanta, GA: Georgia Tech Research Institute.

[416] Higgins, M. K. (2003ai). *Standardized c-130 pallet design: CONOPS (conceptual operations) document [04/2003 to 07/2003]* (No. GSA Contract # T040BF0240; GTRI Project # A-7149). Atlanta, GA: Georgia Tech Research Institute.

[417] Higgins, M. K. (2003aj). *Standardized c-130 pallet design: Initial design requirements and market survey document [04/2003 to 08/2003]* (No. GSA Contract # T040BF0240; GTRI Project # A-7149). Atlanta, GA: Georgia Tech Research Institute.

[418] Higgins, M. K. (2003ak). *Standardized c-130 pallet design: Preliminary pallet design [04/2003 to 07/2003]* (No. GSA Contract # T040BF0240; GTRI Project # A-7149). Atlanta, GA: Georgia Tech Research Institute.

[419] Higgins, M. K. (2003al). *Standardized c-130 pallet design: Preliminary plan of action [04/2003 to 06/2003]* (No. GSA Contract # T040BF0240; GTRI Project # A-7149). Atlanta, GA: Georgia Tech Research Institute.

[420] Higgins, M. K. (2002a). *Counterdrug geographical regional assessment sensor system (CD-GRASS): SOUTHCOM (US southern command) after action report [09/2002]* (No. GSA Contract # T0099AJ0059; GTRI Project # A-5859). Atlanta, GA: Georgia Tech Research Institute.

[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
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
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 Resarch 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
current	Roza Teshome Kassa	Emory University - School of Nursing/Addis Ababa University	Statistical Advisement
current	Amy Greenblatt	Emory University - School of Nursing	Committee Member
current	William Gregory Johnson	Georgia State University – Computer Science	Committee Member
current	Telisa Spikes	Emory University - School of Nursing	Committee Member
current	Udia Otuguor	Emory University - School of Nursing	Committee Member
current	Kent Hawthorn	Emory University - School of Nursing	Statistical Advisement
current	Amy Blumberg	Emory University - School of Nursing	Statistical Advisement
current	Jade McBroom	Emory University - School of Nursing	Statistical Advisement
current	Moka Yoo	Emory University - School of Nursing	Statistical Advisement
current	Shelia Jordan	Emory University - School of Nursing	Statistical Advisement
current	Mariya Kovaleva	Emory University - School of Nursing	Committee Member
current	Lemlem Beza	Emory University - School of Nursing/Addis Ababa University	Member
current	Daniel Mengistu	Emory University - School of Nursing/Addis Ababa University	Statistical Advisement
current	Fekadu Aga	Emory University - School of Nursing/Addis Ababa University	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
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 - 2020	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)
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
1994 - current	American Chemical Society	Member

Editorships and Editorial Boards

Manuscript Reviewer

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

National and International Consultation

Year	Activity
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
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
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 - current	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