

CURRICULUM VITAE

DOYLE M. CUMMINGS, PHARM.D., FCP, FCCP

Work Address: Professor, Department of Public Health
Adjunct Professor, Department of Family Medicine
East Carolina University, Brody School of Medicine
115 Heart Drive
Greenville, North Carolina 27834-4354

Education

College

B.S. Pharmacy, West Virginia University School of Pharmacy, May 1978.
Doctor of Pharmacy, Philadelphia College of Pharmacy and Science, May 1981.
Post-doctoral Coursework - Epidemiology and Biostatistics, Johns Hopkins University,
School of Hygiene and Public Health, 1995

Residencies

RUSH-PRESBYTERIAN ST. LUKE'S MEDICAL CENTER, Resident in Hospital Pharmacy,
June 1979.

VETERANS ADMINISTRATION MEDICAL CENTER AND PHILADELPHIA COLLEGE
OF PHARMACY AND SCIENCE, Post-Doctoral Resident in Ambulatory Care, June 1982.

Employment History

West Virginia University School of Pharmacy, Morgantown, West Virginia
RESEARCH AIDE, 1976
PHARMACY INTERN, 1977-1978

Philadelphia College of Pharmacy and Science, Philadelphia, Pennsylvania
TEACHING ASSISTANT IN PHARMACY, 1980-81
CLINICAL INSTRUCTOR IN PHARMACY, 1981-83, (primary appointment)
CLINICAL ASSISTANT PROFESSOR OF PHARMACY, 1983-1986, (secondary appointment)
CLINICAL ASSOCIATE PROFESSOR OF PHARMACY, 1986-1988, (secondary appointment)

Jefferson Medical College of Thomas Jefferson University, Philadelphia, Pennsylvania
CLINICAL INSTRUCTOR IN FAMILY MEDICINE, 1983-1985, (primary appointment)
CLINICAL ASSISTANT PROFESSOR OF FAMILY MEDICINE, 1985-88, (primary appointment)

Thomas Jefferson University Hospital, Philadelphia, Pennsylvania
CLINICAL PHARMACIST - FAMILY MEDICINE, 1982-1988

East Carolina University Brody School of Medicine, Greenville, NC
ASSISTANT PROFESSOR OF FAMILY MEDICINE, 1988-1990, (primary appointment)
ASSOCIATE PROFESSOR OF FAMILY MEDICINE, 1990-1996 (primary appointment)
BERBECKER DISTINGUISHED PROFESSOR OF RURAL MEDICINE, 2006-present
PROFESSOR OF FAMILY MEDICINE, 1996-2022 (primary appointment); **then 2022-present:**
ADJUNCT PROFESSOR OF FAMILY MEDICINE (adjunct appointment)
PROFESSOR OF PEDIATRICS, 2003-2012 (joint appointment)
PROFESSOR OF PUBLIC HEALTH, 2008-present (primary appointment, 2022-present)

ADJUNCT PROFESSOR OF HEALTH ED. AND PROMOTION, 2000-2008 (secondary appointment)
SECTION HEAD, CLINICAL PHARMACY, 1988-1993, (administrative appointment)
DIRECTOR, RESEARCH DIVISION, 1994-2022 (administrative appointment)
Co-DIRECTOR, OFFICE OF INTERDISCIPLINARY HEALTH ED., 1999-2008 (admin. appt)
SENIOR FACULTY, MEDICAL RESEARCH, PEDIATRIC HEALTHY WEIGHT RESEARCH AND TREATMENT CENTER, 2003 – 2012 (admin. appt)
SENIOR FACULTY, ECU DIABETES & OBESITY INSTITUTE, 2009-present
SENIOR FACULTY, ECU CENTER FOR HEALTH DISPARITIES, 2010 - present

University of North Carolina
Eshelman School of Pharmacy, Chapel Hill, North Carolina
CLINICAL ASSOCIATE PROFESSOR OF PHARMACY, 1988-1996
CLINICAL/RESEARCH PROFESSOR OF PHARMACY, 1996-present (adjunct appt)

Eastern Area Health Education, Greenville, North Carolina
DIRECTOR OF PHARMACY EDUCATION, 1988-2001
ASSOCIATE DIRECTOR OF PHARMACY EDUCATION, 2001-2018

Licensure West Virginia, North Carolina

Certification

Board Certified Pharmacotherapy Specialist;
Board Exam 8/91, Board of Pharmaceutical Specialists

Special Honors and Awards

Fellow, American College of Clinical Pharmacy
Fellow, American College of Clinical Pharmacology
Rho Chi Pharmaceutical Honor Society
Smith, Kline & French Clinical Pharmacy Award
National Academies of Practice Interdisciplinary Creativity Group Award
Chair's Award for Distinguished Faculty Service (awarded twice)
East Carolina University Scholar-Teacher Award
Appointed to the NC Institute of Medicine
Brody School of Medicine, Mission Champion Award
East Carolina University Scholar Award
Jim Bernstein Community Health Career Achievement Award

Professional Societies

North American Primary Care Research Group
National Rural Health Association and NC Rural Health Association
Society for Teachers of Family Medicine
American College of Clinical Pharmacy
American College of Clinical Pharmacology
American Diabetes Association
American Heart Association

Professional Service

Consultant in hypertension management to the Southeastern Pennsylvania High Blood Pressure Control Program, 1987-1988.

Consultant, NC Medical Society Committee on Drug Abuse/Pharmacy Affairs, 1991 - 1999.

Executive/Steering Committee, North Carolina Rural Health Association, 2019 - present

Member, Editorial Board, World Journal of Diabetes, a high-quality, peer reviewed, open-access journal, Baishideng Publishing Group Inc., 2014-2015

Member Editorial Board, Advances in Therapy, Health Communications, Inc., Metuchen, New Jersey, 1984 - 1989.

Reviewer, Journal of Family Practice

Reviewer, Annals of Family Medicine

Reviewer, Hypertension

Reviewer, Journal of Rural Health

Reviewer, Diabetes Care

Reviewer, Annals of Pharmacotherapy

Reviewer, Pharmacotherapy

Reviewer, Journal of Women's Health

Reviewer, Journal of the American Board of Family Medicine

Reviewer, American Journal of Cardiology

Reviewer, Int J Psychiatry in Medicine

Reviewer, Contemporary Clinical Trials

Reviewer, Community Grants Program, Vidant Medical Center Foundation

Reviewer, NIDDK/NIH Study Section on Translational Research in Diabetes

Reviewer, NHLBI Special Section on Medication Adherence

Program Reviewer, UNC Office of the President, Review of the Elizabeth City State University Pharmacy Satellite Program and Rural Health Center Development

Grants Funded:

Clinical trial of Ibuprofen Suspension vs. Aspirin in Elderly Patients with Osteoarthritis, The Upjohn Company, Co-Investigator, \$46,000, 1982.

Short-term, double-blind and Long-term, unblinded Clinical trials of Biclodil HC1 in Mild/Moderate Essential Hypertension, Rorer Pharmaceuticals, Co-Investigator, \$32,000, 1983.

Clinical trial of Etodolac vs. Piroxicam and Placebo in Patients with Osteoarthritis, Ayerst Pharmaceuticals, Co-Investigator, \$48,000, 1984.

Clinical trial of Lisinopril in Young and Elderly Hypertensives, Merck, Sharp, & Dohme Research Laboratories, Co-Investigator, \$64,000, 1985-1986.

In-vitro Assessment of the Effects of Captopril and Pentoxifylline on the Flow Properties of Blood, E.R. Squibb & Sons, Principal Investigator, \$6,000, 1986.

Clinical trial of CGS 14824A with and without Hydrochlorothiazide in Mild to Moderate Essential Hypertension, G.H. Bessalar Associates for Ciba/Geigy, Principal Investigator, \$26,000, 1987.

Clinical trial of Maxzide-25 vs. Atenolol in Mild to Moderate Essential Hypertension, Lederle

Laboratories, Co-Investigator, \$60,000, 1988.

Clinical trial of Flurbiprofen Sustained-release vs. Regular release Tablets in Osteoarthritis, The Upjohn Company, Co-Investigator, \$26,000, 1988.

Clinical trial of Trospectomycin in Nongonococcal Urethritis, the Upjohn Company, Co-Investigator, \$55,000, 1988.

Interaction Between Theophylline and Pentoxifylline, ECU Starter Grant, Co-Investigator, \$1,000, November 1988.

A Double-Blind Comparison of Bisoprolol and Atenolol in Mild to Moderate Essential Hypertension, Lederle Laboratories, Pearl River, NY, Co-Investigator, \$105,000, December 1988.

The Efficacy and Safety of DDAVP in Elderly Patients with Nocturia, Rorer Central Research, Fort Washington, PA, Principal Investigator, \$20,500, September 1989.

The Efficacy and Safety of Nifedipine GITS in Patients with Mild to Moderate Essential Hypertension, Pfizer Laboratories, Co-Investigator, \$10,500, September 1989.

Improving Medication Use in the Elderly, Kate B. Reynolds Health Care Trust, Winston-Salem, NC, Principal Investigator, \$125,000, January 1989.

Quality of Life Assessment with Ranitidine in Patients with GE Reflux, Glaxo, Inc., Co-Investigator, \$12,500, June 1990.

Free Serum Digoxin Concentrations in Patients with Digitalis Toxicity following Digoxin FAB Administration, American Dade Stratus Company, Co-Investigator, \$6,500, June 1990.

Comparative Efficacy of Cefixime and Cefuroxime in Lower Respiratory Infections, Lederle Laboratories, Co-Investigator, \$34,000, July 1990.

The Effect of Magnesium Supplementation on Lipid Levels and Glucose Control in Type II Diabetics, Searle Pharmaceuticals, Co-Investigator, \$18,000, July 1990.

The Efficacy and Safety of Felodipine in Patients with Essential Hypertension, Merck, Sharp, & Dohme, Co-principal Investigator, \$24,000, February 1992.

The Effect of Phenytoin on Wound Healing in Patients with Decubitus Ulcer Disease, The Health Foundation, Co-principal Investigator, \$73,093, March 1993.

Multicenter, double blind, placebo-controlled, dose response study of CI-991 in diabetes mellitus, Co-investigator, \$74,760, Parke-Davis, March 1993.

The Effects of Estrogen and Progesterone on plasma lipids in postmenopausal women with Type II diabetes mellitus, National Pharmacy Cholesterol Council/Bristol Myers-Squibb, Co-Investigator, \$25,000, July 1994.

Interdisciplinary training for rural areas, Co-principal Investigator, \$524,000, DHHS - Public Health Service, June 1993 – May 1996.

Diabetes Database Development Program, Bristol Myers Squibb, \$15,000, October 1996.

REACH - Rural Eastern Carolina Health, Project Director, \$250,000, Duke Endowment and Pitt County Memorial Hospital, July 1995

Establishment of Departments of Family Medicine, Co-Investigator, \$570,000 DHHS-Public Health Service, September 1995

Interdisciplinary Training for Rural Areas, Co-principal Investigator, \$584,918, DHHS-Public Health Service, June 1996

Establishment of Departments of Family Medicine Supplemental Award, Co-Investigator, \$80,000, DHHS-Public Health Service, July 1997

Diabetes Database Consultation, Co-Investigator, Roanoke Chowan Hospital, \$10,500, July 1997

Establishment of Departments of Family Medicine, Co-Investigator, \$485,000, DHHS-Public Health Service July, 1998

Chronic Disease Program Consultation, Co-Investigator, Martin General Hospital, \$9,400, 1998

Diabetes CARE Project, Co-PI, \$356,000, Kate B. Reynolds Charitable Trust, January 1999

Interdisciplinary Training for Rural Areas, Co-principal investigator, \$648,000, DHHS-Public Health Service, June 1999

Pharmacotherapy Residency in Family Medicine, Co- Investigator, \$34,760, Pitt Co. Memorial Hospital, July 1999

Community Diabetes Program, Consultant, \$60,000, PCMH Foundation and the Pitt Co. Public Health Department, December 1999

Medical Data Warehouse Project, \$45,000, SAS Institute, Cary, NC, July 2001

Academic Administrative Units in Primary Care, Co-Principal Investigator, \$666,199, DHHS – Public Health Service, September, 2001 - 2003

School Nurse Program, Golden Leaf Foundation and PCMH, \$8,900, April 2002

Interdisciplinary Training for Rural Areas, Co-principal investigator, \$930,000, DHHS-Public Health Service, July 2002 - 2005

Group Visit Diabetes Program, University Health Systems of Eastern Carolina, Principal Investigator, \$22,500, September 2003

Eastern Carolina Consortium for Community Health Evaluation Contract, HRSA, Principal Investigator, \$60,000, April 2004

Childhood Obesity Program, Health and Wellness Trust of NC, Co-Investigator, \$333,000, March 2004

Childhood Obesity Supplemental Grant Program, Health and Wellness Trust of NC, Co-Investigator, \$109,000, August 2004

Academic Administrative Units in Primary Care, “Obesity in Primary Care”, Patton and Perkin co-PI’s, Co-Investigator, \$980,000, HRSA, August 2004 - 2007

Building Medical Homes for Children with Special Health Care Needs in eastern North Carolina, Amer. Acad. Pediatrics planning grant, \$10,000, C. Willson, PI, collaborating Investigator, January 2005

Diabetes Fellowship Program Evaluation, University Health Systems of Eastern Carolina, Principal Investigator, \$30,000, March 2005

Interdisciplinary Training for Rural Areas, Co-principal Investigator, \$1,240,000, DHHS-Public Health Service, July 2005 - 2008

Academic Administrative Units in Primary Care, “Quality Improvement Training Center”, Gilchrist and Johnson co-PI’s, Co-Investigator, \$833,000, HRSA, August 2007 – August 2011

Redesigning Diabetes Care in Rural Practices, Robert Wood Johnson Foundation, Co-Principal Investigator, \$249,000, May 2008 – Dec 2011

Health Disparities Reduction Initiative, NC Health and Wellness Trust Fund Commission, co-I, (Whetstone, PI) \$1,102,258, July 2008 – June 2011

Center To Reduce CVD Disparities: Genes, Clinics, and Communities #1P50HL105184-01, NHLBI, \$ 9.98 Million grant to UNC-CH/ECU Subcontract \$314,000; Subcontract co-PI (with Stephanie Jilcott-Pitts, Ph.D.), April 2010 – March 2015

Dissemination of CVD Prevention Guidelines for Overweight Children, NIH contract to Research Triangle Institute, RTP, NC; subcontract to ECU (Lazorick PI); \$275,000, co-I, May 2011 – December 2012

Empowering Rural African American Women and Communities to Improve Diabetes Outcomes, Bristol Myers Squibb Foundation, co-PI with Lutes, \$300,000, June 2011-March 2014

Center for Integrated Care Delivery, Academic Administrative Units in Primary Care; HRSA, Grant # D54HP23282; Co-Investigator, \$799,876, October 2011 – September 2016

BioInformatics Program to Support T2 and T3 Translational Research; UNC-CH TRACS Institute; PI for subcontract to ECU, \$25,294, April 2012 – March 2013

Tele-TEAM care: Bringing the Healthcare Team to Needy Diabetic Patients in Underserved Rural Communities, Kate B. Reynolds Charitable Trust, co-PI with Russo, \$325,000, July 2013 – August 2016

Tele-TEAM care: Bringing the Healthcare Team to Needy Diabetic Patients in Underserved Rural Communities, Federal Office of Rural Health Policy/HRSA, co PI with Russo, \$750,000 September 2013-August 2016

North Carolina Diabetic Retinopathy Telemedicine Network; UNC-CH/The Duke Endowment; co-investigator and PI for subcontract to ECU, \$40,000, October 2013 – September 2015

COMRADE: Collaborative Care Management for Distress and Depression in Rural Diabetes, Bristol

Myers Squibb Foundation, co-PI with Lutes, \$450,000 + \$11,000 internal funding from ECU DRGS East-West Collaborative Grant competition, January 2014-Dec 2016

Is vitamin B12 and homocysteine status associated with diabetic complications? ECU Internal grant; co-PI (Pawlak PI) \$10,000; August 2016-July 2017

COMPASS: Early Supported Discharge for Improving Functional Outcomes after Stroke; PCORI; co-Investigator (Duncan PI) \$14,004,206; PI for subcontract of \$243,000 to ECU 2016-2020

Southeastern Collaboration to Improve Blood Pressure (BP) in the US Black Belt – Addressing the Triple Threat; NHLBI; co-investigator (Safford PI); \$9,800,000 to UAB; PI for subcontract of \$1,673,732 to ECU; September 2015 – August 2022

Innovative Training to Transform Rural Primary Care; HRSA Primary Care Training and Enhancement Award; HRSA; co-I (Alexander PI); \$2,500,000; July 2016 – June 2021

Healthier Lives at School and Beyond:

- A) Federal Office of Rural Health Policy; PI; \$1,200,000; September 2016 – August 2021
- B) The Anonymous Trust Foundation; PI; \$500,000; July 2020 – June 2022
- C) The Bates Foundation; PI; \$50,000; July 2020 – June 2022
- D) NC Dept. of Health & Human Services; \$450,000; July 2021 – June 2024
- E) Vidant Duplin Hospital Foundation; \$16,700; March 2023-February 2024

Prioritizing county-level social determinants that contribute to the greater burden of diabetes and hypertension in the US: CDC; co-investigator (Carson PI); PI for subcontract of \$150,340 to ECU; October 2017 – September 2022

SWITCH-PRO STUDY: A Randomized Cross-over Trial Comparing Insulin Degludec and Insulin Glargine in T2DM with flash glucose monitoring; Novo-Nordisk Pharmaceuticals; \$151,582; role: co-Investigator (PI: Patil); 2019-2020

Community Engagement Award for Diabetes Research in Family Medicine; Patient Centered Outcomes Research Institute, Eugene Washington Award; Role: Co-I (PI: Winterbauer); Funded \$250,000; 2019-2021

Does Empagliflozin reduce cardiovascular risk factors and mortality in black patients with type 2 diabetes? Brody Brothers Endowment Grant; \$30,000; role: Co-I (PI: Mishriky); 2020-2021

NC-STEP Telepsychiatry Expansion for Behavioral Health Counseling; Federal Office of Rural Health Policy; co-PI; \$1,200,000; September 2020 – August 2024

Democratization of Bariatric Surgery with increased Access and Efficiency. United Healthcare Group; co-I (PI: William Irish, Ph.D.); \$500,000; January 2021 – December 2023.

Consortium for Home-based Telehealth Care; Federal Office for the Advancement of Telehealth; PI; \$1,750,000; September 2021 – August 2026

TEAM-BP: Achieving Blood Pressure Goals after Stroke: Comparative Effectiveness of Intensive Tailored Telehealth Management vs Intensive Clinic Management; PCORI; \$30M to Wake Forest University; \$334,000 subcontract to ECU; Role: Subcontract PI; Jan. 2022 – June 2028

Carolina Consortium to Improve BP Control in Vulnerable Populations; PCORI 11/01/ 2022; \$5,600,000; Role: co-PI. Funded; Nov 2022-Oct 2027

Unfunded/Pending Grant Applications

Helping Overcome Psychological and Emotional Distress related to Diabetes (HOPE- D Trial);
Submitted to NIDDK/NIH; Role: PI; re-submitted November 2020; unfunded.

Predicting medication non-persistence following stroke to limit re-admissions in older adults. Role:
co-I; NIA; resubmitted October 2020; unfunded.

Strategies to Advance SaFe & Effective Medication Experiences in Diabetes (SAFEMED);
Submitted to AHRQ; Role: co-PI; January 2021; unfunded

Does Empagliflozin Reduce Cardiovascular Risk Factors and Mortality in African American
individuals with Type 2 Diabetes? Submitted to Boehringer-Ingelheim Pharmaceuticals;
\$309,651; Role: co-I; July 2021; unfunded.

Addressing the influence of psychosocial stress, depressive symptoms, and epigenetics on CHD and
stroke outcomes. Submitted to NHLBI; Role: Co-PI. June 2022. Unfunded.

Reducing Cardiovascular Risk in Patients with Diabetes. Submitted to Am. Ht. Assn.; Role: Co-I
(Patil PI); \$2.8M; April 2023; pending

Committees - Current:

Steering Committee, NC Rural Health Association; [state chapter NRHA]
NC Institute of Medicine
Department of Public Health, Promotion/Tenure Committee
Multiple Search Committees, Public Health
Co-Chair, Healthier Lives Program Steering Committee
Pitt Partners for Health Steering Committee
Alternate, University Medical Center IRB
TEAM-BP Project Steering and Clinical Care Committees
Southeastern Collaboration for BP Control, Publication Committee
Carolina Consortium to Improve BP Control, Executive Committee, Co-Chair
Pitt County Senior PharmAssist Development Committee
Eastern NC Advisory Board, UNC – Chapel Hill Eshelman School of Pharmacy

Administrative Activities

Department of Family Medicine

Section Head, Clinical Pharmacy, 1988 - 1993
Director, Clinical Pharmacy Research Laboratory, 1988 - 1993
Director of Pharmacy Education, EAHEC, 1988 – 2001; Assoc. Director, 2002-2012
Acting Head, Research Section, 1989 - 1990
Acting Director, Research Division, 1992 - 1994
Director, Research Division, 1994 - 2022

Division level

Director, Office of Clinical Trials, ECU Health Sciences Division, 2016-2018
Co-Director, Research Core, 2014-2019; Senior Faculty, ECU Center for Health Disparities; 2019
- current
Senior Faculty for Translation/Outreach, ECU Diabetes and Obesity Institute, 2015-2018

Teaching Activities

Undergraduate Medical Education

Coordinated pharmacologic aspects of family medicine curriculum, Jefferson Medical College of Thomas Jefferson University, Philadelphia, Pennsylvania and at East Carolina University, School of Medicine.

Course Coordinator for fourth-year elective in Clinical Pharmacology and Therapeutics, East Carolina University School of Medicine, 1988 – 1993

Course Co-Director for fourth-year elective in Interdisciplinary Studies, ECU SOM, 1999-present

Postgraduate Medical and Public Health Education

Coordinated pharmacologic aspects of family medicine residency curriculum at Jefferson Medical College of Thomas Jefferson University, Philadelphia, Pennsylvania and at East Carolina University, School of Medicine.

Significant clinical teaching (applied pharmacology) in both inpatient and outpatient settings in the Department of Family Medicine, Jefferson Medical College, Thomas Jefferson University, Philadelphia, Pennsylvania, and East Carolina University, Brody School of Medicine.

Course Director, Research Methods Course for Primary Care Faculty and Fellows, 2001-2019

Course Co-Director: MPH 6035 Interdisciplinary Rural Health, 24 students; 2005 – 2016

Course Instructor PUBH 8045 Health Policy and Analysis, Spring 2023

Course Instructor PUBH 9000 Dissertation, Spring 2023

Course Instructor MPH 6904 Preparation for Internship, Spring 2023

Course Instructor MPH 6905 Internship, Spring 2023

Course Instructor MPH 6991 Professional Paper Proposal, Spring 2023

Course Instructor MPH 6992 Professional Paper, Spring 2023

Undergraduate/Graduate Pharmacy Education

Conducted elective rotation in ambulatory care for undergraduate pharmacy students of the Philadelphia College of Pharmacy and Science, Philadelphia, Pennsylvania.

Directed pharmacy experiential education program for EAHEC, East Carolina University School of Medicine, 1988-2001.

Precepted month-long rotation up to six times/year in Primary Care Pharmacy Practice for Doctor of Pharmacy students, Philadelphia College of Pharmacy and Science and University of North Carolina, School of Pharmacy, Chapel Hill, North Carolina.

Coordinated "Special Topics in Ambulatory Care" Block in Applied Therapeutics Curriculum, Doctor of Pharmacy Program, Philadelphia College of Pharmacy and Science.

Research Distinction Track Medical Students Mentored

Lynette Staplefoote-Boynton, M4, 2017-2020

Jacqueline Poston, M2-4, 2019-2022

Brandon Garcia, M3, 2021-2022

Recent Graduate Students Mentored

Thesis Content Advisor, Lisa Doherty, M.D., MPH Student, 2009-10

Thesis Content Advisor, Shannon Gallagher, MPH Student, 2009-10
Doctoral Dissertation Committee, Sarah Henes, Ph.D. Student, 2009-11
Thesis Content Advisor, Anthony Neil Gilbird, MPH Student, 2010-11
Doctoral Dissertation Committee, Taylor Rush, Ph.D. Student 2011-15
Doctoral Dissertation Committee, Emily Dinatale, Ph.D. Student 2012-2014
Thesis Content Advisor, Sabrina Toppin, MPH Student, 2013-14
Thesis Content Advisor, Bertha Hambidge, MPH Student, 2013-14
Doctoral Dissertation Committee, Kristen Springer Dreyfus, Ph.D. Student 2012-2014
Doctoral Dissertation Committee, Daniel Blocker, Ph.D. Student, 2015-2017
Preceptor/Supervisor, Ciarra Dortche, MPH student, 2015-16
Internship Preceptor, Marissa Citarelli, MPH student, 2016-17
Thesis Content Advisor, Mackenzie Brown, MPH Student, 2018-19
Dissertation Committee/Doctoral Content Advisor, Stephanie Hart, PhD student, 2018-2022
Internship Preceptor, Alice Schenall, DrPH student, 2022
Dissertation Committee Chair, Alice Schenall, DrPH student, 2023-present
Dissertation Committee Member, Dakota Murphy, 2023
Dissertation Committee Member, Elizabeth Abioro, 2023
MPH Thesis Director, Efosa Iyore, 2023
MPH Thesis Director, Brittany Friday, 2023

Junior Faculty Development – Junior Faculty Mentored

Shiv Patil, M.D., MPH, Family Medicine
Basem Mishriky, M.D., General Internal Medicine
Megan Ferderber, M.D., Family Medicine
Rebecca Snyder, M.D., Surgery
Stephanie Hart, Ph.D. Nursing

Student Advising 2023

Rebecca Blanchard, DrPH HPAL Student
Cheryl Cherry, MPH Student
Sabrina Vue, MPH Student
Katie Lodge, MPH Student
Sarah Wilt, MPH Student
Tameya Strayhorn, MPH Student
Spencer Jones, MPH Student
Elizabeth Gardill, MPH Student
Antonio D'Arpino, MPH Student
Chaiyo Yang, MPH Student

Curriculum Development

Involved in curriculum development in pharmacology and geriatrics for family medicine residents, Jefferson Medical College of Thomas Jefferson University, Philadelphia, Pennsylvania, and East Carolina University, School of Medicine.

Co-directed the development of an interdisciplinary rural health curriculum for health science students in health education, family nurse practitioner, medicine, nursing, nutrition, occupational therapy, pharmacy, physical therapy, physician's assistant studies, and social work.

Collaborated on the development of MPH curriculum for ECU SOM

Developed curriculum in research methods for learners in family medicine, pediatrics, and other

specialties

Helped develop curriculum in health care quality improvement and SHAPE Scholars program

Self-Development

Participate in Faculty Development Program, Department of Family Medicine, East Carolina University, Brody School of Medicine.

Biostatistics in Research: Introductory and Intermediate courses, ECU Faculty Development Workshop

Personal Postgraduate Education

Pharmacokinetic Techniques in Research and Education, University of North Carolina, School of Pharmacy, Chapel Hill, NC, February 1989.

Epidemiology and Biostatistics coursework, Johns Hopkins University, Baltimore MD, 1995.

Research Activities and Interests

Interested in studying the risk factors as well as the diagnosis, evaluation, and treatment of patients:

- at risk for diabetes mellitus or with existing diabetes mellitus;
- with hypertension
- with stroke

Publications – Refereed Papers

1. **Cummings DM**, Vlasses PH: Antihypertensive withdrawal syndrome. *Drug Intell Clin Pharm* 16(1):817-22, 1982.
2. **Cummings DM**, McGehee EH, Israel CD, Burke J: Interstitial nephritis and proteinuria associated with zomepirac. *Clin Pharm* 3(2):198-200, 1983.
3. Amadio P, **Cummings DM**: Evaluation of acetaminophen in osteoarthritis of the knees. *Curr Ther Res* 34:59-66, 1983.
4. Nelson LA, **Cummings DM**, Downs GE, Seaman JJ: Financial impact of a pharmacist- managed medication refill clinic. *Military Med* 149(5):254-6, 1984.
5. **Cummings DM**, Gans JA: Update in the management of diabetes mellitus. *Am Drug* 190:75-82, 1984.
6. **Cummings DM**, Corson ME, Seaman JJ: The effect of clinical pharmacy services provided to ambulatory patients on hospitalization. *Am J Pharm* 156:44-50, 1984.
7. Amadio P, **Cummings DM**: Choosing antihypertensive therapy: pathophysiology and pharmacology influence rational prescribing. *Advances in Therapy* 2:118-22, 1985.
8. Amadio P, **Cummings DM**: The effect of tolmetin on the chronic pain and decreased functional capacity associated with degenerative joint disease of the spine. *J Clin Pharmacol* 25:100-8, 1985.
9. **Cummings DM**, Rocci M, Green P, Saccar C: Interference potential of pentoxifylline and its major metabolite with theophylline assays. *Am J Hosp Pharm* 42(12):1217-18, 1985.
10. Luke J, **Cummings DM**, Amadio P: Analgesic therapy for cancer. *Fam Prac Recert* 7:23-47,

1985.

11. Flaim S, **Cummings DM**: Bepidil: a review of its pharmacologic properties. *Curr Therap Res* 39:568-97, 1986.
12. Amadio P, **Cummings DM**: Nonsteroidal anti-inflammatory agents-An Update. *Amer Fam Phys* 34(4):147-54, 1986.
13. Amadio P, **Cummings DM**, Amadio PB: Tailoring the antihypertensive drug regimen. *Amer Fam Phys* 34(2):157-70, 1986.
14. Seaman JJ, Cornfield R, **Cummings DM**, et al: Exploring psychiatric prescribing practices: the relationship between the role of the provider and the appropriateness of prescribing. *Gen Hosp Psych* 9(3):220-224, 1987.
15. Amadio P, **Cummings DM**, Amadio PB: Pain in the elderly: management techniques. *Pain Management* 1:33-41, 1987.
16. Amadio P, **Cummings DM**, Amadio PB: Beta-blocker therapy for hypertension. Considerations in selecting the most appropriate agent. *Postgrad Med* 82(8):152-158, 1987.
17. Amadio P, **Cummings DM**: Pain management in primary care. *Fam Prac Recert* 9(7):63-87, 1987.
18. **Cummings DM**, Amadio P, Nettler S, and Friedman M: Office-based evaluation of renal function in elderly patients receiving nonsteroidal anti-inflammatory drugs. *J Am Board Fam Prac* 1(2):77-80, 1988.
19. Amadio P, **Cummings DM**: A framework for management of chronic pain. *Am Fam Phys* 38(5):155-60, 1988.
20. **Cummings DM**, Amadio P, Taylor EJ, et al: The antihypertensive response to lisinopril: the effect of age in a predominantly black population. *J Clin Pharmacol* 29(1):25-32, 1989.
21. Amadio P, Amadio PB, and **Cummings DM**: ACE inhibitors: A safe option for hypertension and congestive heart failure. *Postgrad Med* 87(1):223-43, 1990.
22. Ellison MJ, **Cummings DM**, Worthington RC, Bremer CC: Clinical pharmacology and therapeutics in primary care: An elective for fourth year medical students. *J Clin Pharmacol* 30(6):489-93, 1990.
23. **Cummings DM**, Ballas S: Effects of pentoxifylline and metabolite on RBC deformability as measured by ektacytometry. *Angiology* 41(2):118-123, 1990.
24. **Cummings DM**, Larijani GE, Conner DP, Ferguson RL, and Rocci ML: Characterization of dexamethasone binding in normal and uremic human serum. *DICP: The Annals of Pharmacotherapy* 24(3):229-31, 1990.
25. Ujhelyi M, **Cummings DM**, Green PJ, Ellison MJ, Vlasses PH: Effect of Digoxin Fab Antibodies on Five Digoxin Immunoassays. *Therap Drug Monit* 12(3):288-92, 1990.
26. Ellison MJ, Horner RD, Willis SE, and **Cummings DM**: Influence of pentoxifylline on steady-state theophylline serum concentrations from sustained-release formulations. *Pharmacotherapy* 10(6):383-386, 1990.
27. **Cummings DM**, Uttech KM: Reducing medication problems in the elderly. *NC Fam Phys* 41:19-20, 1990.
28. **Cummings DM**, Amadio P, Nelson LA, and Fitzgerald JM: The role of calcium channel blockers in the treatment of essential hypertension. *JAMA-Int Med now; orig Arch Int Med* 151(2):250-259, 1991.

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132. **Cummings, DM**, Doherty L, Whetstone LM: Predictors of Kidney Disease Progression in Predominantly Minority Patients with Diabetes Mellitus, The North American Primary Care Research Group Annual Meeting, San Juan, PR, November 15-19, 2008
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145. Messenger J, Craven K, Hardee S, Morrissey SM, Newman R, **Cummings DM**: Heart Health in High Risk Diabetes: Role of Combined Clinical Pharmacist and Nutritionist Intervention. 2010 ACCP Spring Practice and Research Forum, April 23-27, 2010, Charlotte, NC
146. Newman R, Patel N, **Cummings DM**: A Survey of Exercise Stress Test Training in US Family Medicine Residency Programs. 43rd Annual STFM Spring Conference, April 24-28, 2010, Vancouver, British Columbia
147. Newman R, Patel H, **Cummings DM**: Digital Retinal Imaging for Diabetics in a Family Medicine Residency Patient Centered Medical Home. 43rd Annual STFM Spring Conference, April 24-28, 2010, Vancouver, British Columbia
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149. Bray P, **Cummings DM**, Morrissey SM: Redesigning Diabetes Care in Rural Fee for Service Practices to Address Disparities for African Americans: Research in Progress. AHRQ Annual Practice-based Research Network Conference, Bethesda, MD, June 15-18, 2010
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153. Morrissey S, Whetstone LM, Hames A, **Cummings DM**, Roole J: Results from a Statewide Initiative to Address Health Disparities. The North American Primary Care Research Group Annual Meeting, Seattle, WA, November 13-17, 2010
154. Jilcott S, **Cummings DM**, McGuirt J: Center to Reduce Cardiovascular Disease (CVD) Disparities: Genes, Clinics, and Communities. The Jean Mills Health Disparities Symposium, Greenville, NC, Feb 4, 2011
155. Bray P, **Cummings DM**: Reducing Disparities in Diabetes Care. Janet Reaves Memorial Conference on Quality & Chronic Disease, Raleigh, NC Feb 3-4, 2011
156. Collier DN, Peroutka C, Lukosius E, Stephenson E, Patel V, **Cummings DM**: Body mass index, HDL cholesterol, and impaired nitric oxide-dependent vasodilatation in adolescents. Pediatric Academic Societies Meeting, Denver, CO, 4/30 – 5/3/11. E-PASS2011:2929.330
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159. Bray P, Thompson D, **Cummings DM**: New Rural Primary Care Model for Diabetes: Coaching and Medication Management Strategies. AHRQ Practice Based Research Network Conference, Bethesda, MD, June 22-24, 2011
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161. Collier DN, Peroutka C, Lukosius E, Stephenson E, Patel V, **Cummings DM**: Body mass index, HDL cholesterol, and impaired nitric oxide-dependent vasodilatation in adolescents. The Obesity Society Meeting, Orlando, FL, 10/1 – 10/5/11
162. **Cummings DM**, Letter AJ, Howard G, Howard VJ, Safford M, Prince V, Muntner P: Medication Adherence and Stroke/TIA Risk in Treated Hypertensives: Results from the REasons for Geographic and Racial Differences in Stroke (REGARDS) Study. The American Heart Association, Epidemiology and Prevention, Physical Activity & Metabolism, 2012 Scientific Sessions, San Diego, CA, Mar. 13-16, 2012
163. Lazorick S, Whetstone LM, Collier DN, **Cummings DM**, LaBresh K: Young Hearts, Strong Starts: Enhancing Utilization of Pediatric Cardiovascular Risk Reduction Guidelines. Emerging Issues in Chronic Disease in Primary Care, North Carolina Network Consortium Annual Practice based Research Network Conference, Greensboro, NC; March 24, 2012

164. Henes ST, Hickner RC, Houmard JA, **Cummings DM**, Kolasa KM, Lazoric S, Collier DN: Measured Resting Energy Expenditure as a Predictor of Success with Weight Change in a Clinic Population of Obese Youth. The Federation of American Societies for Experimental Biology (FASEB), San Diego, CA, April 21-25, 2012
165. DiNatale E, King J, Watson A, Lutes L, Littlewood K, **Cummings DM**: Utilizing a Small Changes Community-based Weight Loss Approach for Rural African American Women with Type 2 Diabetes: Design and Rationale for the ASPIRE-Diabetes Project. Society of Behavioral Medicine, 33rd Annual Meeting and Scientific Sessions, New Orleans, LA, April 11-14, 2012
166. King JL, DiNatale E, Lutes L, **Cummings DM**, Ellis T, Maag L: Diabetes Diagnosis and Health Literacy among a Pilot Sample of Adults in a Primary Care Setting. Society of Behavioral Medicine, 33rd Annual Meeting and Scientific Sessions, New Orleans, LA, April 11-14, 2012
167. Shipley AJ, Cao Q, **Cummings DM**: Attitudes of Medical Providers regarding the Withdrawal of Life Sustaining interventions during End of Life Care. American Geriatric Society Annual Meeting. Seattle, WA, May 3-5, 2012
168. Donahue K, Vu M, Halladay J, Miller C, Garcia B, **Cummings DM**, Cene C, Hinderliter A, DeWalt D: Strategies for controlling BP: Patient and Practice Perspectives. Annual Practice Based Research Network Conference, North American Primary Care Research Group, Bethesda, MD, June 20-21, 2012
169. DiNatale E, Hambidge B, Lutes L, Littlewood K, **Cummings DM**: Utilizing a Small Changes Community-based Weight Loss Approach for Rural African American Women with Type 2 Diabetes: Design and Rationale, American Diabetes Association, 5th Annual Disparities Conference, Washington DC, Oct 22-23, 2012
170. **Cummings DM**, Letter AJ, Howard G, Howard VJ, Safford M, Prince V, Muntner P: Medication Adherence and Stroke/TIA Risk in Treated Hypertensives: Results from the REasons for Geographic and Racial Differences in Stroke (REGARDS) Study. The Southeastern Strokebelt Consortium Meeting. Orlando, FL, October 26-27, 2012
171. Whetstone LM, Gilbird AN, **Cummings DM**: Provider perception, self-efficacy and knowledge of integrated care: A mixed-method baseline assessment. North American Primary Care Research Group Annual Meeting, New Orleans, LA, December 3-6, 2012
172. **Cummings DM**, Letter AJ, Howard G, Howard VJ, Safford M, Prince V, Muntner P: Inadequate Medication Adherence: Causes, Consequences, and Challenges: The REGARDS Study. Research Seminar, University of Alabama-Birmingham School of Public Health, January 2013
173. DiNatale E, Hambidge B, **Cummings DM**: The EMPOWER Program: Utilizing a Small Changes Community-based Treatment Approach for Rural African American Women with Type 2 Diabetes. Together on Diabetes Annual Summit Meeting, Atlanta, GA, February 27, 2013
174. Littlewood K, DiNatale E, Hambidge B, Lutes L, **Cummings DM**: Community/Campus Partnerships as a Vehicle to Reduce Health Disparities: EMPOWER Diabetes Maintenance and Social Support. Jean Mills Symposium on Health Disparities, Greenville, NC, March 2013
175. **Cummings DM**: Medication Adherence in Chronic CV Disease. Recorded for the Center for Disease Control & Prevention's (CDC) Noon Conference Series for Primary Care and Public Health. Webinar presentation March 27, 2013.

176. **Cummings DM**, Halladay J, Donahue K, Tillman J: Reducing disparities in hypertension control: The health coach as a key team member in the Heart Healthy Lenoir project. NC Network Consortium Practice Based Research Network Conference, Charlotte, NC, April 13, 2013
177. Williamson, S. Quinn, K. Dinatale, E. Vines, L. Rose-Gilbert, D. Hambidge, B., Littlewood, K., Lutes, L., **Cummings, D.M.**: Utilizing a Single-Session Medication Adherence Intervention to Improve Disease Management Among African American Women with Diabetes. East Carolina University, Research and Creative Activity Week, April 8-12, 2013
178. **Cummings DM**, Letter AJ, Howard G, Howard VJ, Safford M, Prince V, Muntner P: Medication Adherence and Stroke/TIA Risk in Treated Hypertensives: The Eastern NC Stroke Conference, Greenville, NC, April 26, 2013
179. Keyserling T, **Cummings DM**: Lifestyle Change and High Blood Pressure Studies in the Heart Healthy Lenoir Project: Baseline results. Annual meeting of the NIH Centers for Population Health and Health Disparities, Boston, MA 04/30/2013-05/02/2013
180. Whetstone LM, Gilbird AN, **Cummings DM**, Hodgson JL, Russo DC: Perception, self-efficacy, and knowledge of integrated care among health care providers: A mixed-method assessment. Society of Teachers of Family Medicine Annual Meeting, Baltimore, MD May 1-5, 2013
181. **Cummings DM**, Lutes L, Littlewood K, Dinatale E, Hambidge B, Schulman K, Vines L: Regimen Related Distress, Medication Adherence, and Glycemic Control in Rural African American Women with Type 2 Diabetes Mellitus. American Diabetes Association, Annual Scientific Assembly, Chicago, IL, June 20, 2013
182. Littlewood K, Lutes L, **Cummings DM**: Measuring Social Support for African American Women with Type 2 Diabetes Mellitus. American Diabetes Association, 6th Annual Disparities Conference, Washington DC, Oct 21-22, 2013
183. Halladay J, Donahue K, Cene C, Miller C, Garcia B, **Cummings DM**, Hinderliter A, Dewalt D: The Heart Healthy Lenoir Study: Exploring Association between Perceived Social Position and Patient Care Behaviors, Patient Activation and Care Participation. North American Primary Care Research Group Annual Meeting, Ottawa, Canada, November, 2013
184. **Cummings DM**: Hypertension Study Update: Heart Healthy Lenoir Project. Community Advisory Council Meeting, Kinston, NC, January 28, 2014.
185. Babatunde OT, **Cummings DM**, Hamrick I: "Calcium and Vitamin D supplementation for osteoporosis prevention and treatment among older women in the south-eastern USA: Is the racial disparities justified? International Osteoporosis Foundation Meeting, Orlando, FL, February 20-21, 2014
186. Kirian K, Lutes L, Littlewood K, **Cummings DM**, Solar C, Hambidge B, Douglas RC, and Gatlin P: COMRADE: Collaborative Care Management for Distress and Depression in Rural Diabetes: Design and Rationale. Together on Diabetes Annual Summit, Atlanta, GA, February 24-26, 2014
187. Littlewood K, Kirian K, Lutes L, **Cummings DM**, Hambidge B, Solar C, Hendon NO, and Gatlin P: The EMPOWER Diabetes Project: Empowering Rural African American Women and

Communities to Improve Diabetes Outcomes: 12 month Findings. Together on Diabetes Annual Summit, Atlanta, GA, February 24-26, 2014

188. **Cummings DM**, Kirian K, Lutes L, Littlewood K, Solar C, Hambidge B, Douglas RC, and Gatlin P: COMRADE: Collaborative Care Management for Distress and Depression in Rural Diabetes: Project Overview. Together on Diabetes Annual Summit, Atlanta, GA, February 24-26, 2014
189. Lutes L, **Cummings DM**, Littlewood K, Kirian K, Hambidge B, Solar C, Hendon NO, and Gatlin P: The EMPOWER Diabetes Project: Empowering Rural African American Women and Communities to Improve Diabetes Outcomes: Differential Responses by Treatment Category. Together on Diabetes Annual Summit, Atlanta, GA, February 24-26, 2014
190. **Cummings DM**: Progress in Stroke Prevention and Treatment in North Carolina. 19th Annual Stroke Belt Consortium (SBC) meeting, Orlando, FL, Feb 27 – March 1, 2014
191. Lutes L, **Cummings DM**, Littlewood K, Dinatale E, Solar C: Impact of a community health worker delivered intervention on African American women with Type 2 diabetes: Interim results from EMPOWER! 35th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Philadelphia, PA, April 23-26, 2014
192. Collier DN, Reddy S, Chaaban M, Grijalva V, Vos P, **Cummings DM**: Obesity and Dysfunctional HDL in Adolescents. Pediatric Academic Society Annual Meeting, Vancouver, BC Canada, May 3-6, 2014
193. Penn D, Cene C, Halladay J, Donahue K, Hinderliter A, **Cummings DM**, Miller C, Garcia B, DeWalt D: Community Subjective Social Status, Mental Health Function, and Patient Activation and Medication Adherence among Blacks and Whites. Annual meeting of the NIH Centers for Population Health and Health Disparities, Los Angeles, CA 05/20-21/2014
194. **Cummings DM**, Russo D, Rodebaugh L, Jennings J, Nye AM, Hardee J, Nasrallah L, Jones G, Patil S: Tele-TEAM Care: Bringing the Healthcare Team to Needy Diabetic Patients in Underserved Rural Communities to Promote Risk Reduction. American Diabetes Association, Clinical Diabetes Meeting, Marco Island, FL May 22-25, 2014
195. **Cummings DM**, Lutes L, Littlewood K, Dinatale E, Hambidge B, Schulman K: Addressing Disparities: Results from EMPOWER - a RCT of lifestyle modification in rural African American women with uncontrolled Type 2 diabetes mellitus. American Diabetes Association, Annual Scientific Assembly, San Francisco, CA, June 13-17, 2014
196. Kirian K., May C., Whetstone L., & **Cummings DM**: Behavioral Health Standardized Patient Evaluation and Teaching Strategy: Assessing and Improving Resident Confidence and Comfort. The 35th Forum for Behavioral Science in Family Medicine. Society of Teachers of Family Medicine, Chicago, IL, September 18 – 21, 2014
197. **Cummings DM**, McCormack L, Zolotor A, Bryant A: Medication and Hypertension Control: Access, Health Literacy, and Medication Adherence. NC Evidence Academy in Hypertension, ECU Heart Institute, Greenville, NC, December 12, 2014
198. **Cummings DM**, Lutes L, Littlewood K, Hambidge B, Gatlin P: Improving Outcomes Among African American Women with Type 2 Diabetes: The EMPOWER Program. Jean Mills Symposium on Health Disparities, Greenville, NC, February 6th, 2015

199. Mishriky BM, **Cummings DM**, Tanenberg RJ: The Efficacy and Safety of DPP4 Inhibitors compared to Sulfonylureas as add-on Therapy to Metformin in Patients with Type 2 diabetes: a Systematic Review and Meta-analysis. 2015 Annual Scientific Session of NC Chapter of American College of Physicians, Cary, NC, February 13-14, 2015
200. Wu JR, **Cummings DM**, Cene C, Halladay J, Donahue KE, Hinderliter A, Bosworth H, Miller C, Garcia B, Tillman J, DeWalt D: The effect of health coaching intervention on medication adherence and blood pressure control in the rural south Annual meeting of the NIH Centers for Population Health and Health Disparities, Chapel Hill, NC 04/20-21/2014
201. Littlewood L, Lutes L, **Cummings DM**, Hambidge B, Vu S, Solar C, Pandey A: Self-management behaviors and social support for African American Women Caregivers with Type 2 Diabetes Mellitus. Annual Scientific Session, Society of Behavioral Medicine. San Antonio, TX April 22-25, 2015
202. Lutes L, Littlewood L, Solar C, Dinatale E, Hambidge B, **Cummings DM**: What really worked? Predictors of reductions in BMI and HbA1C in African American women with uncontrolled diabetes in a peer-led small changes treatment intervention (EMPOWER). Annual Scientific Session, Society of Behavioral Medicine. San Antonio, TX April 22-25, 2015
203. Mishriky BM, **Cummings DM**, Tanenberg RJ: The Efficacy and Safety of DPP4 Inhibitors compared to Sulfonylureas as add-on Therapy to Metformin in Patients with Type 2 diabetes: a Systematic Review and Meta-analysis. 2015 Annual Scientific Session of American College of Physicians, Boston, MA, April 30, 2015
204. **Cummings DM**: Is a good A1c Enough to Protect Patients with Diabetes and Pre-diabetes Against Heart Disease? American Diabetes Association Clinical Conference, Orlando, FL, May 21, 2015
205. **Cummings DM**: The Use of Telehealth and Other Innovative Technologies to Improve Diabetes Self-Management Education and Monitoring. American Diabetes Association Clinical Conference, Orlando, FL, May 22, 2015
206. **Cummings DM**, Kirian K, Howard G, Howard VJ, Yuan Y, Muntner PM, Kissela B, Redmond N, Judd S, Safford MM: The Consequences of Co-Morbidity – Elevated Stress and/or Depressive Symptoms and Incident CV Outcomes in Diabetes: Results from the REGARDS Study. American Diabetes Association, Annual Scientific Sessions, Boston, MA, June 5-9, 2015
207. **Cummings DM**, Lutes L, Littlewood K, Hambidge B, Gatlin P: Impact of Distress Reduction on A1c in African American Women with Uncontrolled Type 2 Diabetes: Results from EMPOWER. American Diabetes Association, Annual Scientific Sessions, Boston, MA, June 5-9, 2015
208. Donahue KE, Tillman J, Halladay JR, Cene CW, Hinderliter A, **Cummings DM**, Miller C, Gizlice Z, Garcia BA, Wu JR, Quenum E, Bosworth HB, Keyserling TC, DeWalt D: Lessons learned from implementing health coaching in the Heart Healthy Lenoir Hypertension Cohort Study. Annual NAPCRG Practice Based Research Network Meeting, Bethesda, MD, June 29-30, 2015
209. Nasrallah L, Jennings J, **Cummings DM**, Russo D, Rodebaugh L, Feldhousen E, Nye A, Hardee J, Patil S: TeleTEAM Care for Diabetes: Promoting Lifestyle and Behavioral Health for uncontrolled Diabetic patients in Underserved Rural Communities via Telehealth. Annual

- Meeting; Academy of Nutrition and Dietetics, Nashville, TN, October 4, 2015
210. Banks EC, Russo D, Jennings J, Rodebaugh L, **Cummings DM**: Common Behavioral Health Interventions among Rural Patients with Diabetes and Co-Morbid Health Conditions: Applications in Telehealth. Annual Meeting, Collaborative Family Healthcare Association; Portland, OR, October 15-17, 2015
211. Banks EC, Jennings J, Nasrallah L, Russo D, Nye AM, Patil S, Hardee J, Rodebaugh L, Adams A, **Cummings DM**, Jones G: The TeleTEAM Project: An Integrated Collaboration of Nutrition, Pharmacy, and Behavioral Health for Rural Patients with Diabetes. Annual Meeting, Collaborative Family Healthcare Association; Portland, OR, October 15-17, 2015
212. Russo D, **Cummings DM**: Integrating Behavioral Healthcare into Chronic Disease Management in Rural Primary Care. NC Institute of Medicine, Durham, NC, October 16, 2015
213. Boyd K, **Cummings DM**, Lutes L, Littlewood K, Hambidge B, Solar C: Relationship between Diabetes-related Distress and Glycemic Control in Patients with Type 2 Diabetes: Preliminary Results from COMRADE. NC Medical Society Meeting, Raleigh, NC, October 23, 2015
214. Halladay J, Cene C, Hinderliter A, **Cummings DM**, Donahue K, Glize Z, Miller C, Garcia B, Alice Ammerman A, Keyserling T, DeWalt D for Heart Healthy Lenoir Research Team. Reducing Disparities in Hypertension with a Practice-Based Enhanced Care Program – Heart Healthy Lenoir Project. NAPCRG Annual Meeting; Cancun, Mexico October 24-28, 2015.
215. **Cummings DM**, Lutes L, Kirian K, Littlewood K, Solar C, Hambidge B, Patil S, Gatlin P: COMRADE: A Randomized Trial of Integrated Care for Distress and Depression in Uncontrolled Diabetes: Design, Rationale, and Baseline Findings. NAPCRG Annual Meeting; Cancun, Mexico October 24-28, 2015
216. Mishriky BM, **Cummings DM**, Tanenberg RJ: Glimepiride vs. Glipizide as add-on Therapy to Metformin in Patients with Type 2 diabetes: a Post-hoc Meta-analysis. 2016 NC Chapter of American College of Physicians, Greensboro, NC, February 26-27, 2016
217. Mishriky BM, **Cummings DM**, Tanenberg RJ: The Efficacy of SGLT-2 Inhibitors Compared to DPP-4 Inhibitors as Add-On Therapy to Metformin: a Meta-analysis of Randomized Trials. 2016 NC Chapter of American College of Physicians, Greensboro, NC, February 26-27, 2016
218. **Cummings DM**, Kirian K, Howard G, Howard VJ, Yuan Y, Muntner P, Kissela B, Redmond N, Judd SE, Safford MM: Consequences of Comorbidity of Elevated Stress and/or Depressive Symptoms and Incident Cardiovascular Outcomes in Diabetes: Results From the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study. American Heart Association: Epidemiology Meeting; Phoenix, AZ, March 3, 2016
219. Gibson J, Cao Q, Steinweg KK, Lee TJ, Nye AM, **Cummings DM**: Improving care of patients undergoing palliative sedation at an urban inpatient hospice center. The Society for Post - Acute and Long - Term Care Medicine Annual Conference, Orlando, FL, March 17-20, 2016
220. Carraway, M., Lutes, L., **Cummings, DM**, Solar, C., Hambidge, B., Kirian, K., Littlewood, K., & Patil, S. A collaborative stepped care intervention for Type 2 Diabetes Mellitus, Depression, and Diabetes-Related Distress. Society of Behavioral Medicine Annual Conference, Washington, DC. March 30 – April 2, 2016
221. Banks EC, Jennings J, Adams A, Rodebaugh L, **Cummings DM**, Russo D, Sisneros J, Nye AM, Patil S, Hardee J, Nasrallah L, Jones G: TeleTEAM Care for Patients with Diabetes and Co-Morbid Health Challenges. Mid-Atlantic Telehealth Summit, Cambridge, MD, April 10-12, 2016
222. Russo D, **Cummings DM**: The Development and Implementation of Integrated Care Delivery in Primary Care. Annual Chronic Disease and Care Quality Conference of the NC Community

Health Center Association, Durham, NC, April 14-15, 2016

223. Hinderliter A, Penn D, Donahue K, **Cummings DM**, Cene C, Halladay J, DeWalt D: Acceptance of Home Blood Pressure Monitoring by Patients with Hypertension: Results from the Heart Healthy Lenoir Study. Annual Meeting, American Society of Hypertension; New York, NY May 13-17, 2016; published in *Journal of the American Society of Hypertension* 10(4S) (2016) e6–e9 #FP-3
224. Dwivedi A, Cao Q, Steinweg K, **Cummings DM**: Advanced Directive Knowledge and Preferences Among Patients Older Than Age 65. Annual Meeting, American Geriatrics Society, Long Beach, CA, May 19-21, 2016
225. Boyd K, Lutes L, Littlewood K, Hambidge B, Carraway M, Solar C, Edwards S, Patil S, Adams A, Gatlin P, **Cummings DM**: Relationship between Diabetes Related Distress and Glycemic Control in Type 2 Diabetes: Baseline Results from the COMRADE Trial. American Diabetes Association, Annual Scientific Sessions, New Orleans, LA, June 10-14, 2016
226. Hambidge B, **Cummings DM**, Patil S, Lutes L, Littlewood K, Carraway M, Adams A, Solar C, Edwards S, Boyd K, Gatlin P: The Consequences of Treatment Intensification: Diabetes and Regimen Related Distress in Insulin-treated vs. Oral Hypoglycemic treated Patients with Uncontrolled Type 2 Diabetes. American Diabetes Association, Annual Scientific Sessions, New Orleans, LA, June 10-14, 2016
227. Mishriky BM, **Cummings DM**, Tanenberg RJ: The Efficacy of SGLT-2 Inhibitors Compared to DPP-4 Inhibitors as Add-On Therapy to Metformin: a Meta-analysis of Randomized Trials. American Diabetes Association, Annual Scientific Sessions, New Orleans, LA, June 10-14, 2016
228. **Cummings DM**, Adams A, Halladay J, Hinderliter A, Donahue K, Cene CW, Miller C, Garcia B, Tillman J, Little E, DeWalt D: The Use of Defined Daily Dose to Assess Treatment Intensification among Hypertensive Patients using Home BP Monitoring: Baseline Data from the Heart Healthy Lenoir Study. NAPCRG PBRN Meeting, Bethesda, MD, July 11-12, 2016
229. Mentock A, **Cummings DM**, Adams A: Collaboration to Improve Blood Pressure in the US Black Belt: Addressing the Triple Threat. ECU BSOM Summer Scholars Research Program; MS Research Day, August 8, 2016
230. **Cummings DM**, Lutes L, Kirian K, Littlewood K, Solar C, Hambidge B, Patil S, Gatlin P: Uncontrolled Type 2 Diabetes: Screening for and Impacting Behavioral Comorbidities. Seminar Series, Diabetes Research Center, University of Alabama-Birmingham, Birmingham, AL, September 9, 2016
231. Wu JR, **Cummings DM**, Halladay J, Donahue KE, Cene C, Hinderliter A, Bosworth HB, Miller C, Garcia B, Tillman J, DeWalt D: The Effect of a Practice-based Multi-component Intervention that includes Health Coaching on Medication Adherence and Blood Pressure Control in Rural Primary Care. American Heart Association; Hypertension 2016; Orlando, FL, September 14-17, 2016
232. Sharp, M., Carraway, M., Solar, C., Adams, A., Trout, K., Decker, M., Kirian, K., Russo, D., & **Cummings, DM**. (2016, October). Predictors of adherence to behavioral health visits in integrated primary care. Presented as a poster at the Collaborative Family Healthcare Association Annual Conference, Charlotte, NC, October 2016
233. **Cummings DM**, Adams A, Rodebaugh L, Russo D, Jennings J, Banks E, Sisneros J, Nye AM, Patil S: Comparable Outcomes Associated with Telehealth-delivered Team Care for Diabetes in

Rural Primary Care Practices. Thought Leaders Forum of the NC Health Care Information & Communications Alliance, Greenville, NC, October 6, 2016

234. **Cummings DM**: Diabetes Mellitus in Eastern NC: Epidemiology and Advocacy Needs. Winning with Diabetes Conference, Vidant Medical Center, Greenville, NC, November 2, 2016
235. **Cummings DM**: Medication Adherence and Management following Acute Stroke. COMPASS Seminar Series. Wake Forest University, Winston-Salem, NC, November 2, 2016
236. **Cummings DM**, Adams A, Halladay J, Hinderliter A, Donahue K, Cene CW, Li Q, Miller C, Garcia B, Tillman J, Little E, DeWalt D: Race-Specific Patterns of Treatment Intensification among Hypertensive Patients using Home BP Monitoring: Results from the Heart Healthy Lenoir Study. NAPCRG Annual Meeting; Colorado Springs, Colorado, November 12-15, 2016
237. Mishriky BM, **Cummings DM**, Tanenberg RJ: Glimepiride versus Glipizide as Add-on Therapy to Metformin in Type 2 Diabetes Mellitus: A Post-hoc Meta-analysis. 2017 Annual Scientific Session of the North Carolina Chapter of the American College of Physicians, Durham, NC February 24-25, 2017 [Winner – Best Resident Research Poster]
238. Patel M, Pabbu BM, Daugherty J, Banaszak R, Steinweg K, **Cummings DM**, Nye A: Effectiveness of Multi-disciplinary Falls Risk Assessment Clinic At East Carolina University. 75th Annual American Geriatrics Society Meeting, San Antonio, TX, May 17-20, 2017
239. Mishriky BM, **Cummings DM**, Tanenberg RJ, Pories WJ: Basal Insulin compared to Non-Insulin Therapies for Type 2 Diabetes: A Case-based Chronological Approach. Annual Graduate Medical Education Research Day, Brody School of Medicine, ECU, May 25, 2017.
240. **Cummings DM**, Lutes L, Hambidge B, Carraway M, Patil S, Adams A, Solar C, Littlewood K, Edwards S, Gatlin P: Stepped-Care Behavioral Intervention Reduces Regimen-Related Distress. American Diabetes Association, Annual Scientific Sessions, San Diego, CA, June 9-13, 2017
241. Hambidge B, **Cummings DM**, Patil S, Lutes L, Littlewood K, Carraway M, Adams A, Solar C, Edwards S, Boyd K, Gatlin P: Insulin-Using Patients Experience Comparable Reductions in Regimen-Related Distress from Behavioral Interventions. American Diabetes Association, Annual Scientific Sessions, San Diego, CA, June 9-13, 2017
242. Mishriky BM, **Cummings DM**, Tanenberg RJ, Pories WJ: Efficacy and Safety of Insulin Aspart 30 and Insulin Degludec/Aspart vs. Basal Insulin in Patients with Type 2 Diabetes: A Meta-analysis. American Diabetes Association, Annual Scientific Sessions, San Diego, CA, June 9-13, 2017
243. Patil SP, **Cummings DM**, Adams A, Rodebaugh L, Russo D, Jennings J, Banks E, Sisneros J, Nye AM, Hardee J, Craven K: Rural Team-Based Diabetes Care: Telehealth Achieves Comparable Outcomes as Face-to-Face Care. American Diabetes Association, Annual Scientific Sessions, San Diego, CA, June 9-13, 2017
244. **Cummings DM**, Duncan P, Bushnell C, Gesell S, Lutz B, Sissine M, Halladay J, Mettam L: Strategies for Implementing Comprehensive Post-Acute Stroke Care Services in NC: An Update on the COMPASS Cluster Randomized Trial. Southeastern Strokebelt Consortium Meeting, Orlando, FL, December 10, 2017

245. Guo J, **Cummings DM**, Halladay J, Jones S, Psioda M, Duncan P, Bushnell C: Patients Who Understand Blood Pressure and Stroke Risk Monitor Their Blood Pressure after Stroke: A Report from Comprehensive Post-Acute Stroke Services (COMPASS). International Stroke Conference, Los Angeles, CA, January 24-26, 2018
246. Lutz B, Gesell S, Coleman S, Sissine M, Barton-Percival B, **Cummings DM**, Mettam L, Halladay J, Duncan P: Building Successful Hospital-Community Networks for Stroke Survivors and their Family Caregivers. International Stroke Conference, Los Angeles, CA, January 24-26, 2018
247. Joseph JJ, Bennett A, Echouffo-Tcheugui JB, Effoe VS, Odei J, Hidalgo B, Dulin A, Safford MM, **Cummings DM**, Cushman M, Carson AP: The Association of Ideal Cardiovascular Health using Life's Simple 7 Goals with Incident Type 2 Diabetes Mellitus: The REasons for Geographic and Racial Differences in Stroke (REGARDS). American Heart Association/Epidemiology and Lifestyle Conference, New Orleans, LA, March 20-23, 2018
248. Littlewood K, Patil S, **Cummings DM**, Lutes LD, Hambidge B, Carraway M, Adams A, Solar C, Edwards S, Gatlin P: Cognitive Behavioral Intervention Produces Comparable Reductions in Regimen-Related Distress in Insulin Users and Non-Users: 12-Month Results from COMRADE. American Diabetes Association, Annual Scientific Sessions, Orlando, FL, June 22-26, 2018
249. Pawlak R, Patil S, **Cummings DM**, Craven K: Metformin Use, Vitamin B12 Level, and Homocysteine status: Relationship with Nephropathy and Neuropathy in Type 2 Diabetes. American Diabetes Association, Annual Scientific Sessions, Orlando, FL, June 22-26, 2018
250. **Cummings DM**, Lutes L, Patil S, Hambidge B, Carraway M, Adams A, Solar C, Littlewood K, Edwards S, Gatlin P: Randomized Trial of a Tailored Cognitive Behavioral Intervention in Type 2 Diabetes with Co-Morbid Depressive and/or Distress Symptoms: 12-Month Outcomes from COMRADE. American Diabetes Association, Annual Scientific Sessions, Orlando, FL, June 22-26, 2018
251. Lutes L, **Cummings DM**, Hambidge B, Carraway M, Patil S, Adams A, Solar C, Littlewood K, Edwards S, Gatlin P: RCT of Tailored Cognitive Behavioral Intervention Reduces Regimen-related Distress: Relationship to Change in Medication Adherence and Glycemic Control at 12 Month Follow-up. American Diabetes Association, Annual Scientific Sessions, Orlando, FL, June 22-26, 2018
252. **Cummings DM**: Recruitment and Retention of Rural African Americans in Clinical Research. 2018 OHRP Research Community Forum, Greenville, NC, September 26, 2018
253. Staplefoote-Boynton BL, Halladay J, **Cummings DM**, Peaden SH, Adams A: Practice Facilitation Implementation Requirements in Rural Primary Care Practices to Improve BP Control for African Americans. North Carolina Medical Society Annual LEAD Conference, Raleigh, NC, October 18-19, 2018
254. **Cummings DM**, Adams A, Rodebaugh L, Russo D, Jennings J, Banks E, Sisneros J, Nye AM, Hardee J, Messenger J, Craven K: Rural Team-based Diabetes Care: Telehealth Achieves Comparable Outcomes as Face-to-Face Care. ACCP Global Conference on Clinical Pharmacy, Seattle, WA, October 20 – 23, 2018
255. Wu JR, **Cummings DM**, Halladay J, Donahue KE, Cene C, Hinderliter A, Bosworth HB, Miller C, Garcia B, Tillman J, DeWalt D The Effect of a Practice-based Multi-component Intervention

- that Includes Health Coaching on Medication Adherence and BP Control in Rural Primary Care. Seattle, WA, ACCP Global Conference on Clinical Pharmacy, October 20 – 23, 2018
256. Luo H, Patil SP, Wu Q, Bell RA, **Cummings DM**, Adams A, Gao F: Validation of a New Health Literacy Test for Patients with Type 2 Diabetes. American Public Health Association Meeting, November 10-14, 2018
257. Carson A, Cherrington A, Dutton GR, Judd SE, Levitan EB, Long L, Black N, **Cummings DM**, Safford MM, Malla G, Howard EL, Zhu S: Community-Level Social Determinants and the Burden of Diabetes in the Southeastern US. American Public Health Association meeting, San Diego, CA, November 10-14, 2018
258. Lundy G, Lutz BJ, Gesell S, Coleman S, Sissine M, Barton-Percival B, **Cummings DM**, Mettam L, Halladay J, Duncan P: Building Successful Hospital-Community Networks for Stroke Survivors and their Family Caregivers. Annual Meeting, Patient Centered Outcomes Research Institute (PCORI), Washington, DC, October 31-November 2, 2018
259. Joseph JJ, Bennett A, Echouffo-Tcheugui JB, Effoe VS, Odei J, Hidalgo B, Dulin A, Safford MM, **Cummings DM**, Cushman M, Carson AP: The Association of Ideal Cardiovascular Health using Life's Simple 7 Goals with Incident Type 2 Diabetes Mellitus: The REasons for Geographic and Racial Differences in Stroke (REGARDS). American Heart Association/Annual Scientific Sessions, Chicago, IL, Nov 10-12, 2018
260. **Cummings DM**, Lutes L, Patil S, Hambidge B, Carraway M, Adams A, Solar C, Littlewood K, Edwards S, Gatlin P: Randomized Trial of a Tailored Cognitive Behavioral Intervention in Type 2 Diabetes with Co-Morbid Depressive and/or Distress Symptoms: 12-Month Outcomes from COMRADE. North American Primary Care Research Group Annual Meeting, Chicago, IL November 9-13, 2018
261. Staplefoote-Boynnton BL, Halladay J, **Cummings DM**, Peaden SH, Adams A: Practice Facilitation in Rural Primary Care Practices to Improve BP Control for African Americans: Implementation Requirements in the Rural South. 2018 International Conference on Practice Facilitation, Tampa, FL, December 10-11, 2018
262. Duncan PW, Bushnell CD, Jones SB, Psioda MA, Gesell SB, D'Agostino RB, Sissine ME, Coleman SW, Johnson AM, Barton-Percival BF, Prvu-Bettger J, Calhoun AG, **Cummings DM**, Freburger JK, Halladay JR, Kucharska-Newton AM, Lundy-Lamm G, Lutz BJ, Mettam LH, Pastva AM, Xenakis JG, Ambrosius WT, Radman MD, Vetter B, Rosamond WD: A Randomized Pragmatic Trial of Stroke Transitional Care to Improve Functional Outcomes: The Comprehensive Post-Acute Stroke Services (COMPASS) Study. AHA/ASA International Stroke Conference, Honolulu, HI, February 5-8, 2019
263. Malla G, Cherrington A, Zhu S, **Cummings DM**, Clay O, Brown TM, Lee L, Kimokoti R, Cushman M, Safford M, Carson AP: Control of cardiovascular risk factors among older adults with incident diabetes: The Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study. American Heart Association Epi/Lifestyle Meeting, Houston, TX, March 5 – 8, 2019
264. Mishriky BM, Powell JR, Chu JX, Wittwer JA, Sewell K, Wu Q, **Cummings DM**: Do GLP-1RA and SGLT-2i reduce cardiovascular mortality in African American patients with type 2 diabetes: A meta-analysis. American Diabetes Association, Annual Scientific Sessions, San Francisco, CA, June 7-11, 2019

265. Uhrig JL, Mishriky BM, Page SO, Sewell KA, Powell JR, Patil SP, **Cummings DM**: The efficacy of low vs. high FDA-approved SGLT2 inhibitor doses compared to DPP4: A meta-analysis. American Diabetes Association, Annual Scientific Sessions, San Francisco, CA, June 7-11, 2019
266. Page So, Mishriky BM, Uhrig J, Sewell K, **Cummings DM**: Can Baseline HbA1c Help Guide Treatment with an SGLT2i vs. DPP-4i? A Meta-analysis. American Diabetes Association, Annual Scientific Sessions, San Francisco, CA, June 7-11, 2019
267. **Cummings DM**, Brown M, Lutes L, Hambidge B, Carraway MA, Patil SP, Adams A, Littlewood K, Edwards SB, Gatlin P: Reduction in Emotional Burden in Type 2 Diabetes is Associated with Improved Medication Adherence: Results from COMRADE. American Diabetes Association, Annual Scientific Sessions, San Francisco, CA, June 7-11, 2019
268. **Cummings DM**, Patil SP, Long L, Carson AP, Cherrington A, Safford M, Judd SE, Howard VJ, Howard G; Residential Segregation, Hemoglobin A1c and Risk of Cardiovascular (CVD) Events: The Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study. American Diabetes Association, Annual Scientific Sessions, San Francisco, CA, June 7-11, 2019
269. Collier C; Jennings J; **Cummings DM**; Johnstone J; Lacks M; Simeonsson K; Sisneros J; Taylor E: Healthier Lives at School and Beyond: Linking School-Based Health Centers to Expanded Resources for Care and Counseling. The School- Based Health Alliance Meeting, Arlington, VA, June 23-25, 2019
270. Lutes LD, **Cummings DM**, Littlewood K, Patil S, Carraway M: Insulin Use Blunts Weight Loss from Cognitive Behavioral and Lifestyle Therapy in Type 2 Diabetes. The Obesity Society Annual Meeting, Las Vegas, NV, Nov 4 – 7, 2019
271. **Cummings DM**, Jones S, Bushnell C, Halladay J, Kinlaw A, Wen M, Sissine M, Duncan P: Patterns of Statin and Anti-Coagulant Prescribing by Age and Race Following Discharge for Stroke or Transient Ischemic Attack. American Heart Association/International Stroke Conference, Los Angeles, CA, Feb 18-21, 2020
272. Malla G, Long DL, Black N, Zhu S, Uddin J, Cherrington A, Dutton GR, Safford MM, **Cummings DM**, Judd SE, Levitan EB, Carson AP: Index of Concentration at the Extremes and Diabetes Prevalence: The Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study. American Heart Association Epi/Lifestyle Meeting, Phoenix, AZ, March 3-6, 2020
273. Ringel JB, Scott S, Carson AP, **Cummings DM**, Pena J, Gamboa C, Schroff P, Safford MM: Multiple Adverse Social Determinants of Health Increases Risk of Incident Diabetes Mellitus and Mortality in the REasons for Geographic and Racial Differences in Stroke (REGARDS) Study. American Heart Association Epi/Lifestyle Meeting, Phoenix, AZ, March 3-6, 2020; and also at: The Third Annual Primary Care & Hospital Medicine Innovations Symposium, New York, NY, Feb 27, 2020
274. Mishriky BM, **Cummings DM**, Powell JR: Amantadine Induced Severe Hypoglycemia in a Patient with Type 1 Diabetes and Multiple Sclerosis. Endocrine Society Annual Meeting, San Francisco, CA, March 28 – 31, 2020
275. Wagstaff A, Safford MM, **Cummings DM**, Halladay J, Bryan J, Cherrington AL: Examining the association of individuals beliefs about hypertension with blood pressure control among African

Americans with hypertension living in the rural south. Society of General Internal Medicine Annual Meeting. Birmingham, AL, May 6-9, 2020

276. Jones SB, Johnson AM, Levy S, Duncan P, **Cummings DM**, Bushnell C: Medication Related Challenges Identified at a Post Stroke Transitional Care Visit. World Stroke Organization Annual Meeting, Vienna, Austria, May 12-15, 2020
277. Malla G, Long DL, Cherrington A, Safford MM, **Cummings DM**, McAlexander T, De Silva S, Judd SE, Hidalgo B, Levitan EB, Carson AP: Urbanicity and Risk of Coronary Heart Disease (CHD) among Adults with Diabetes (DM): the Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study. American Diabetes Association, Annual Scientific Sessions, Chicago, IL June 12-16, 2020
278. **Cummings DM**, Singh S, Adams A, Patil S, Hart S, Cherrington A, Ringel JB, Baquero E, Safford MM: Barriers to Medication Taking in African American Patients with Co-Morbid Diabetes and Hypertension: The Potential Role of Mild Cognitive Impairment. American Diabetes Association, Annual Scientific Sessions, Chicago, IL June 12-16, 2020
279. Mishriky BM, Okunrintemi V, Jain S, Sewell K, Powell J, **Cummings DM**: GLP-1RAs and SGLT-2is reduce cardiovascular events in women with type 2 diabetes. A systematic review and meta-analysis. American Diabetes Association, Annual Scientific Sessions, Chicago, IL June 12-16, 2020
280. Hager L, Barnett HM, Taylor E, **Cummings DM**, Lazorick S, Tillman J, Trapp J, Hambidge B, Adams A, Whitman A, Rushing M, Alexander C: SHAPEing the Next Generation of Interprofessional Healthcare Providers: Scholars for Healthcare Advancement and Process Excellence. Society of Teachers of Family Medicine, Annual Meeting, Salt Lake City, UT, August 24-27, 2020
281. Malla G, Long DL, Goyal P, Judd SE, Safford MM, **Cummings DM**, Hidalgo B, Cherrington A, Levitan EB, Carson AP: Heart Failure Risk due to Diabetes is Higher Among Adults ≤ 65 years than Adults > 65 years: The REasons for Geographic and Racial Differences in Stroke (REGARDS) Study. American Heart Association. Annual Scientific Sessions, Dallas, TX, November 14-16, 2020
282. Poston J, Adams A, **Cummings DM**: The Impact of Facilitating Goal Setting to Control BP among Rural African Americans with Hx of Uncontrolled HTN. North American Primary Care Research Group Annual Meeting, (virtual) November 20-24, 2020
283. Malla G, Cherrington A, Goyal P, Safford MM, **Cummings DM**, McAlexander T, DeSilva S, Judd S, Hidalgo B, Levitan EB, Carson AP: Neighborhood Social and Economic Environment and Heart Failure Risk among Adults with and without Diabetes: The Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study. American Heart Association Epi/Lifestyle Meeting, Chicago, IL, March 2-5, 2021
284. Winterbauer N, Patil S, **Cummings DM**, Bell RL, Klinger C, Dodson S: A CBPR approach to patient-engaged research: EC Partners. 31st Annual Art & Science of Health Promotion Conference. Hilton Head, SC, September 27-Oct 1, 2021
285. Dalli LL, Kilkenny MF, Arnet I, **Cummings DM**, Sanfilippo FM, Yap KY, Greenland M, Kapral MK, Kim J, Cameron J, Cadilhac DA: Towards a standardised method for calculating adherence to cardiovascular medicines using the proportion of days covered method: A scoping review.

Asian Conference on Pharmacoepidemiology. Seoul, Korea, Oct 13-15, 2021

286. Zhang L, Reshetnyak E, Pinheiro L, **Cummings DM**, Carson AP, Durant RW, Malla G, Safford MM: Social Determinants of Health and Diabetes Cardiovascular Risk in the Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study. American Heart Association, Annual Scientific Sessions, Boston, MA, Nov 13-15, 2021
287. **Cummings DM**, Adams A, Halladay J, Richman E, Cherrington A, Anabtawi M, Ringel JB, Soroka O, Safford MM: Antihypertensive Medication Challenges, Adherence, and BP Control in African Americans with a History of Uncontrolled Hypertension. American Heart Association, Annual Scientific Sessions, Boston, MA, Nov 13-15, 2021
288. Lee J, Ringel JB, Baquero E, Halladay J, Cherrington A, **Cummings DM**, Safford MM: ‘Whispering Stroke’ may be very common in Southeastern African Americans with uncontrolled high blood pressure. American Heart Association, Annual Scientific Sessions, Boston, MA, Nov 13-15, 2021
289. Patil S, Winterbauer N, Klinger C, **Cummings DM**, Bell RL: East Carolina Partnership to Address Health Disparities through Engagement Research Training. North American Primary Care Research Group Annual Meeting, (virtual) November 19-23, 2021
290. Ferderber M, **Cummings DM**, Urbanek C: Musculoskeletal procedures performed by family medicine residents participating in a clinical sports medicine track. Society of Teachers of Family Medicine. Annual Spring Conference. April 30 – May 4, 2022
291. Safford MM, Cherrington A, **Cummings DM**, Halladay JR, Richman J, Shikany J, Oparil S, Andrae L, Anabtawi M, Adams AD, Richman EL, Baquero E, Ringel JB, Soroka O: 12-month Outcomes from the Southeastern Consortium to Improve BP Control. Society of General Internal Medicine Annual Meeting, Orlando, FL, April 7, 2022
292. Bushnell C, Jones-Berkeley S, Rosamond W, Psioda M, Halladay JR, **Cummings DM**, Johnson A, Lutz B, Gesell S, Bettger J, Pastva A, Newton A, Sissine M, Duncan P: Characteristics Associated with Self-Monitoring of Blood Pressure (BP) 90 Days after Discharge in Patients with Stroke or TIA: The COMprehensive Post-Acute Stroke Services (COMPASS) Study. European Stroke Organization Conference. Lyon, France, May 4-6, 2022
293. **Cummings DM**, Flores A, Jennings J, Dail-Barnett H: Working with Local CHC Partners to Implement DTC Telehealth: Early Design and Development. OAT Grantee Meeting: Expanding and Improving Access Through Telehealth Washington D.C. (virtual), May 17-18, 2022
294. Mishriky BM, **Cummings DM**, Fu Y, Halladay J, Jones W, Boan A, Berkeley SJ, Patil S, Powell JR, Adams A, Irish W: Heart Failure Hospitalization and Cardiovascular Events among African American compared to White individuals with Type 2 Diabetes on Empagliflozin: Real-world Data. American Diabetes Association Scientific Sessions, New Orleans, LA, June 3-7, 2022
295. Mishriky BM, **Cummings DM**, Fu Y, Halladay J, Jones W, Boan A, Berkeley SJ, Patil S, Powell JR, Adams A, Irish W: Cumulative Probability of Heart Failure Hospitalization Among Non-Hispanic Black Compared to Non-Hispanic White Individuals with Type 2 Diabetes on Empagliflozin (EMPA-AA): Real-world Data. The Endocrine Society Annual Meeting, Atlanta, GA, June 11 – 14, 2022

296. Sutton KF, Richman EL, Halladay JR, Rees J, Peaden S, Nicholson L, **Cummings DM**: Characterizing how practice facilitators allocate their time to help rural healthcare practices with hypertension control. International Conference on Practice Facilitation. Savannah, GA, September 8-9, 2022
297. Garcia B, Dail-Barnett H, **Cummings DM**, Rushing M: Quality Improvement: Improving Screening to Address Social Determinants of Health in a Family Medicine Outpatient Clinic Adult Population. 2022 STFM Conference on Practice and Quality Improvement, Savannah, GA, Sept 12-14, 2022
298. Taylor E, Fedor-Locklear C, Lacks M, Muppavarapu K, **Cummings DM**, Baker R: Mental Healthcare in Emergency Departments: Enhancing Access through Expansion of the NC Statewide Telepsychiatry Program. 2022 STFM Conference on Practice and Quality Improvement, Savannah, GA, Sept 12-14, 2022
299. Poston J, **Cummings DM**, Adams A, Halladay J, Cherrington A, Safford MM: Patient Assessment of Chronic Illness Care (PACIC) and Goal Setting by African American Patients with a History of Uncontrolled Hypertension. North American Primary Care Research Group Annual Meeting, Phoenix, AZ, Nov. 18-22, 2022
300. Robertson S, Tapp H, Ludden T, **Cummings DM**, Halladay J: Team-Based Care Approach to Blood Pressure Control in Vulnerable Populations in Rural Settings. North American Primary Care Research Group Annual Meeting, Phoenix, AZ, Nov. 18-22, 2022
301. Hart S, Howard VJ, **Cummings DM**, Albright KC, Howard G: Differences in Anti-hypertensive Prescribing and Smoking Cessation Counseling after Acute Ischemic Stroke 2003-2016: The National REGARDS Cohort Study. AHA International Stroke Conference, Dallas, TX Feb 8-10, 2023
302. Mishriky BM, **Cummings DM**, Fu Y, Halladay J, Jones WS, Boan A, Berkeley J, Patil S, Powell JR, Adams A, Irish W. Cumulative probability of mortality among non-Hispanic Black compared to non-Hispanic White individuals with type 2 diabetes on empagliflozin (Empa-AA): Real-World data. American Diabetes Association 83rd Scientific Session, San Diego, CA, June 2023.
303. Bushnell C, Rosamond W, Jones S, Gesell SB, Dobson DO, Tijerino-Ortega JJ, Robb AR, Rowland BT, Lundy-Lamm G, Morrison-Brooks T, Redhair M, McClellan R, Halladay JR, Pastva A, Lutz B, **Cummings DM**: Feasibility Learnings and Stakeholder Informed Refinements for a Comparative Effectiveness Trial: Telehealth-enhanced Assessment and Management after Stroke: The TEAMS-BP Trial. European Stroke Organization Conference, Munich, Germany, May 24-26, 2023
304. Dail-Barnett H, Jennings J, Simeonsson K, **Cummings DM**: Teamwork makes the dream work: An interprofessional school-based telehealth program in rural eastern North Carolina. American Public Health Association Meeting, Atlanta, GA, Nov. 12-15, 2023
305. Winterbauer N, Patil S, **Cummings DM**, Bell RA: A CBPR approach to patient-engaged research: EC Partners. 2024 Art & Science of Health Promotion Conference, Hilton Head, SC, April 10 – 12, 2024
306. Dail-Barnett H, Jennings J, Simeonsson K, Afriyie E, Barrett J, Pierce B, Curley J, **Cummings DM**: Using Telehealth to Re-engage Patients Lost to Care. National Rural Health Association

Meeting. New Orleans, LA, May 7-10, 2024

307. Price A, Tapp H, Davis S, Coyne A, Flinchum G, Stang K, Butzer D, Oliver C, **Cummings DM**: An Evaluation of Barriers and Facilitators in Recruitment and Retention for the Carolina Consortium to Improve Blood Pressure. North American Primary Care Research Group PBRN Meeting, Reston, VA, June 17-18, 2024
308. Butzer, D., Flinchum, G., Richman, E., Halladay, J., & **H2H Writing Group**. Demographics & Clinical Study Engagement: A Recruitment Analysis. NAPCRG 52nd Annual Practice-Based Research Network Meeting, June 17-18, 2024.
309. **Cummings DM**, Adams A, Patil SP, Cherrington A, Halladay J, Soroka O, Baquero E, Safford MM: Peer Coaching Reduces Medication Barriers in African American Patients With Co-morbid Diabetes And Hypertension: Results from the SEC Study. American Diabetes Association 84th Scientific Session, Orlando, FL, June 21-24, 2024
310. Butzer, D., Flinchum, G., Richman, E., Halladay, J., & **H2H Writing Group**. Diverse and representative patient recruitment in cardiovascular clinical trials: Understanding the data to improve equity. Presented at APHA Annual Meeting, Minneapolis, MN; October 27-30, 2024.
311. Coyne A, Thrasher K, Scott M, **Cummings DM**, Halladay JR, Richman E, Heart2Heart Writing Group. Pharmacist-led Home Blood Pressure (BP) Monitoring and Team Care for Uncontrolled Hypertension. Submitted to American College of Clinical Pharmacy Annual meeting, Phoenix, AZ. October 12-15, 2024
312. Robertson S, Tapp H, Ludden T, Price A, Oliver C, **Cummings DM**: Recruitment Barriers and Facilitators in the Heart 2 Heart Blood Pressure Study. Presented at the North American Primary Care Research Group Annual Meeting, Quebec City, Quebec, Canada, Nov 20-24, 2024
313. Taylor E, Jennings J, Dail-Barnett H, **Cummings DM**: An integrated care approach to Addressing Unmet Behavioral Health Needs of School-Aged Children in Rural Public School Units. Presented at the 2024 Advancing School Mental Health Conference. Dec. 5-7, 2024
314. Berkeley SJ, Rowland B, Rosamond WD, Halladay JD, Gesell SB, Langdon S, Robb A, Lutz B, Pastva A, **Cummings DM**, Valint A, Tijerino-Ortega J, Johnson AM, Baldwin J, Dobson D, Lundy-Lamm G, Morrison-Brooks T, Gordon N, Bushnell C: Telehealth Enhanced Assessment and Management after Stroke-Blood Pressure: A Feasibility Study Preparatory to a Comparative Effectiveness Trial. Submitted to the International Stroke Conference, Los Angeles, CA, Feb 5 – 7, 2025
315. Coyne A, Scott M, **Cummings DM**, Halladay JR, Richman E, Heart 2 Heart Writing Group. Pharmacist-led Home Blood Pressure (BP) Monitoring and Team Care for Uncontrolled Hypertension. Asheville Summit Conference, Asheville, NC. March 1, 2025

Scientific Exhibits

Amadio P, **Cummings DM**: Analgesic efficacy of tolmetin sodium in chronic pain associated with degenerative joint disease of the spine. Annual Meeting, American Society for Clinical Pharmacology and Therapeutics, San Antonio, TX, March 1985 and at the American Academy of Family Physicians Annual Meeting, Anaheim, Cal., October 1985.

Amadio P, **Cummings DM**: Update on nonsteroidal anti-inflammatory agents. American Academy

of Family Physicians Annual Meeting, Anaheim, California, October 1985.

Amadio P, **Cummings DM**, Amadio PB: Tailoring the antihypertensive regimen. Annual Meeting, American Academy of Family Physicians, Washington, DC, October 1986 and at the Annual Meeting, Southern Medical Association, Atlanta, Georgia, November 1986.

Amadio P and **Cummings DM**: Pharmacology of beta blockers: relevance to clinical practice. Annual Meeting, American Academy of Family Physicians, San Francisco, California, September 1987.

Amadio P and **Cummings DM**: Pharmacology of angiotensin-converting enzyme inhibitors: relevance to clinical practice. Annual Meeting, American Academy of Family Physicians, New Orleans, Louisiana, October 1988.

Amadio P and **Cummings DM**: Pharmacology of calcium channel blockers: relevance to clinical practice. Annual Meeting, American Academy of Family Physicians, Los Angeles, California, September 1989.

Amadio P and **Cummings DM**: Clinical pharmacology of nonsteroidal anti-inflammatory drugs. Annual Meeting, American Academy of Family Physicians, Washington, DC, September 1991.

Amadio P and **Cummings DM**: NSAIDS Revisited: New and Reformulated NSAIDS: Principles for Safe Use. Annual Meeting, American Academy of Family Physicians, Boston, MA, September 1994.

Visiting Lectures: More than 150 invited local and regional CME/CE presentations on hypertension, diabetes, medication adherence, hormone replacement therapy, polypharmacy/geriatric pharmacotherapy.

Community Service

Christ Presbyterian Church, Founding Member and a member of the Board, Greenville, NC
Pitt Partners for Health, Founding Member and Executive Committee, Greenville, NC
Christ Covenant School, Member of Oversight Board