

# **Karen Wynn Edwards, M.S.**

Clemson, SC

864-710-6997

karenwynn1964@gmail.com

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## **PROFESSIONAL EXPERIENCES**

### **Director, Research Support, Clemson University (August 2015 – Present)**

Assisting Principal Investigators on multiple research projects by developing and submitting IRB paperwork; collecting data, maintaining records, obtaining and assisting consent, coordinating the development of forms and training materials for study specific population, performing regulatory tasks including the assessment, completion and submission of protocol-related documents to the appropriate committees and IRB; maintaining budgets (over \$10M); managing multiple personnel; assuring all activities related to the conduct of the research is in compliance of general and study specific regulatory related processes, maintaining data collection in support of research protocols; assisting multiple faculty with grant application development, organization, editing and submission, overseeing all aspects of multiple studies and any other duties as required.

### **Adjunct Lecturer – Dept. of Public Health Sciences, Clemson University (January 2017 – Present)**

Lecturer for HLTH 2600 – Medical Terminology and Communication

### **Health and Exercise Consultant (1997–2015)**

Consulted with clients on achieving better health and exercise for themselves and their families; assisted over 200 clients in weight loss, healthy eating and disease prevention; developed educational materials for clients with cardiovascular disease, Type 1 and Type 2 diabetes, and in those in weight loss programs.

### **Adjunct Instructor – Dept. of Comprehensive Studies, Tri-County Technical College (Spring, 2015)**

Lecturer for SLT109 – Lifetime Health and Fitness

### **John S. Rainey, Attorney-at-Law, Estate Law (1987-2015)**

Organized estate and personal accounts; managed two non-profit organizations with assets more than \$5M; prepared quarterly, semi-annual, and annual financial reports on numerous accounts; delivered strong knowledge in preparing wills, trusts, corporate minutes and other legal documents and accounting; proficient computer skills including Quicken, Excel and Word.

### **Lecturer – Department of Public Health Sciences, Clemson University (1996-1997)**

Health and Fitness; Body Response to Health Behaviors; Health Appraisal Skills for Test and Measurement

### **Health Educator – AnMed Health (1995-1996)**

Planned and implemented the opening of a community resource center located in a large shopping mall; coordinated and taught community health and nutrition programs; coordinated mobile health screening vehicle to educate and inform community of basic health screenings: cholesterol, blood pressure and diabetes education; provided quarterly reports to administration with regards to financial records, budget and benefits to patients; prepared educational materials for patients.

### **Health Educator - Greenville Hospital System Life Center (1994-1995)**

Coordinated and taught health/nutrition/exercise classes for community, employees, and cardiac patients; maintained financial records for health education program; prepared educational materials for patients; extensive program delivery to patients and the community.

### **Employee/Community Health Educator – Richland Memorial Hospital (1990-1994)**

Coordinated and taught health/nutrition/exercise classes for employees and the community; Planned and implemented multiple community events including 5k walk/run events, mass community CPR instruction, smoking cessation, weight loss, and aerobics programs; presented financial and health benefits to committees on a semi-annual basis; prepared employee health education materials and training materials for health promotion staff

### **CURRENT RESEARCH PROJECTS**

South Carolina County Health Extension: High Obesity Prevention and Elimination; Centers for Disease Control; October 2018-present

A randomized controlled study to assess SARS Cov-2 infection, viral shedding, and subsequent potential transmission in university students immunized with Moderna COVID-19 Vaccine, National Institute of Health funded national project across the United States; Clemson University's FIRST Clinical Trial, February 2021-present

### **PREVIOUS RESEARCH PROJECTS**

Complete and Resilient Documentation (CARD) for Operational Medical Environments; Department of Defense project with Clemson University and Prisma Health Midlands; 2017-2021

Clemson Rural Health's **Healthy ME, Healthy SC** Initiative project in rural SC, 2018–2020

Enhancing mHealth Technology in the PCMH Environment to Activate Chronic Care Patients; Department of Defense project with Clemson University, Nellis Air Force Base and Madigan Army Medical Center, 2015-2019

A Pilot Study to Assess Implementation and Effectiveness of the American Heart Association's Check, Change, Control Hypertension Management Program with a Free Medical Clinic Population; 2017-18

Physician use of cost and malpractice information in medical imaging decision making: A deeper look into the factors influencing physician ordering of head CT scans in patients with minor head trauma; 2017-2018

### **EDUCATION, TRAININGS, CERTIFICATIONS AND AWARDS**

Furman University – Obtained BS (1988) and MS (1990) in Health and Exercise Science, Minor in Math

Clemson University – current MBA student; expected graduation 2023

American College of Sports Medicine – Health and Fitness Instructor Certification (1990)

Medidata Academy – Medidata RAVE Certified Clinical Research Coordinator, 2021 Medical

Medical University of South Carolina – Core Clinical Research Training

CITI – Investigators Conducting Social and Behavioral Science Research

CITI – Good Clinical Practice

CITI – Investigators Conducting Biomedical Research

Team Player Award, Clemson's College of Behavior, Social and Health Sciences (2019-2020)

### **PUBLICATIONS**

Ronald W. Gimbel; Lu Shi; Joel E. Williams; Cheryl J. Dye; Liwei Chen; Paul Crawford; Eric A. Shry; Sarah F. Griffin; Karyn O. Jones; Windsor W. Sherrill; Khoa Truong; Jeanette R. Little; **Karen W.**

**Edwards**; Marie E. Rempola; Jennie B. Moss, “Enhancing mHealth Technology in the Patient-Centered Medical Home Environment to Activate Type 2 Diabetes Patients: A Multi-Site Feasibility Study Protocol.”, JMIR, 3JUNE2017, Vol. 6, No. 3: March <http://www.researchprotocols.org/2017/3/e38/>

### **PRESENTATIONS**

Presentation delivered by Joel Williams at the Military Health System Research Symposium, Kissimmee, FL; Williams, J., Griffin, S., **Edwards, K.**, Moss, J., Hing, M., Little, J., Gimbel, R. *Mobile Health Apps in*

*the Medical Theater of Operation – Exploring the Usability of a Mobile Application for Improving Chronic Disease Self-management in the Patient Centered Medical Home Environment.* AUG 2017.

Presentation delivered by **Edwards, K.**, Powell, B and Curry, R. Clemson University, Clemson, SC; *Grant Budgets: Building, Spending and Tracking.* FEB 2021.

## **POSTERS**

Gimbel, R., Williams, J., Chen, L., Dye, C., **Edwards, K.**, Little, J., Newton, T. Enhancing mHealth technology in the DoD's PCMH environment to activate type-2 diabetes patients. Poster presented at the 2016 AMSUS Annual Continuing Education Meeting, National Harbor, MD, November 29 – December 2, 2016.

Dye, C., Griffin, S., Mayo, R., Williams, J., **Edwards, K.**, Moss, J., Hing, M., Jones, K., Gimbel, R., Poster presented for American Academy of Health Behavior Scientific Meeting, Tucson, AZ; *Improving Diabetes Self-management through Messages Tailored to Patient Activation Levels*; delivered 19-22 MAR 2017.

## **ACKNOWLEDGEMENTS**

Gimbel, R., Pirallo, R., Lowe, S., Wright, D., Zhang, L., Woo, M., Fontelo, P., Liu, F., Connor, Z. "Effect of clinical decision rules, patient cost and malpractice information on clinician brain CT image ordering: a randomized controlled trial", BMC Medical Informatics and Decision Making, 12MAR2018, <https://doi.org/10.1186/s12911-018-0602-1>

Woo, MJ., Heo, M., Devane, A., Lowe, S., Gimbel, R. "Retrospective comparison of approaches to evaluating inter-observe variability in CT tumour measurements in an academic health centre", BMJ Open, 2020. <https://doi.org/10.1136/bmjopen-2020-040096>

Woo, MJ., Lowe, S., Devane, A., Gimbel, R. "Intervention to reduce interobserver variability in computed tomographic measurement of cancer lesions among experienced radiologists", Current Problems in Diagnostic Radiology, 202. <https://doi.org/10.1067/j.cpradiol.2020.01.008>

Woo, MJ., Devane, A., Lowe, S., Lowther, E., Gimbel, R. "Deep Learning for Semi-automated Unidirectional Measurement of Lung Tumor Size in CT", Cancer Imagine, (2021) 21:43. <https://doi.org/10.1186/s40644-021-00413-7>

Woo, MJ., Prabodh, J., Lin, J., Kar, S., Deas, N., Linduff, C., Niu, S., Yang, Y., McClendon, J., Smith, D. H., Shelton, S., Gainey, C., Gerard, W., Smith, M., Griffin, S., Gimbel, R., Wang, K.C., "Complete and Resilient Documentation for Operational Medical Environments Leveraging Mobile Hands-free Technology in a Systems Approach: Experimental Study", JMIR, 2021. <https://doi:10.2196/32301>

## **PROFESSIONAL GOALS**

To utilize my experiences, background, and gifts to help motivate individuals to achieve higher levels of overall personal and professional goals.

## **COMMUNITY SERVICE**

During these volunteer opportunities, I coordinated multiple projects, provided reports and financial information to boards:

Girl Scout Leader (2005-2010)

Clemson Elementary School Tiger Fund Founder (2006-present)

Clemson Elementary School PTA Treasurer (2004-2006)

Child Spring International foster home family volunteer (2011-2016)

Daniel High School Athletic Booster Club Board Treasurer (2014-2016)

Church volunteer (present)

Guardian ad Litem volunteer, Pickens County SC (present)

**PERSONAL INFORMATION**

My interests include spending time with my fiancé, family and friends, serving others and being outdoors.  
My greatest achievements are my two children: Blake (24) and Jenna (23).