

## CURRICULUM VITAE

**NAME:** Betty A. Key

**ADDRESS:** 2945 Juniper Ln, Tuscaloosa, AL 35405

**TELEPHONE:** 205-242-9421

**PREPARATION:** Clinical: Compact License RN      Functional /Role: Director of Nursing Programs

### **CERTIFICATIONS:**

2019-present	American Heart Association Basic Life Support (BLS) Instructor
1992-2023	American Association of Critical Care Nurses (AACN) Adult Critical Care Certification (CCRN)
1992-2020	American Heart Association Advanced Cardiac Life Support (ACLS) Provider
1992-Present	American Heart Association Basic Cardiac Life Support (BLS), provider

### **EDUCATION:**

Institution	Discipline	Dates Attended	Degree-Year Conferred
The University of Alabama	Instructional Leadership with Nurse Educator Specialization	Aug. 2012-Aug. 2017	Ed.D – 2017
The University of Alabama	Nursing with Rural Case Management focus	Aug. 2012-May 2015	MSN – 2015
University of North Alabama	Nursing	June 2010-May 2012	BSN – 2012
Shelton State Community College	Nursing	Aug. 1988-Dec. 1990	ADN – 1990

### **PROFESSIONAL EXPERIENCE:**

Year	Title	Institution	Notable Roles
Jan. 2023-present	Director of Nursing Programs	Shelton State Community College	
Aug. 2021-Dec. 2022	Assistant Professor (tenure track)	Samford University	
Feb. 2020-May 2021	Graduate Faculty (associate status)	The University of Alabama	Reader, EdD dissertations, Comprehensive exams
Aug. 2017-May 2021	Assistant Professor (tenure track)	The University of Alabama	
2016-2017	Instructor	The University of Alabama	
2009-2016	Adjunct Clinical Instructor	University of West Alabama	
1988-2016	Registered Nurse Staff Nurse/Charge Nurse/Rapid Response Team	DCH Regional Medical Center	Adult Critical Care Medical ICU
2013-2014	Registered Nurse Case Manager/Utilization Review	DCH Regional Medical Center	Case Management

### **HONOR SOCIETIES:**

Sigma Theta Tau International Honor Society

### **HONORS AND AWARDS:**

2023	Alabama League for Nursing-Lamplighter Award
2018	Alabama State Nurses Association Citation of Excellence Award
2015-2016	Epsilon Omega Chapter of Sigma Theta Tau International Outstanding Graduate Student Award
2013-2014	Alabama Board of Nursing Graduate Scholarship

### **PROFESSIONAL ORGANIZATIONS:**

2022-2023	Sigma Theta Tau: Gamma Eta chapter, governance committee chair (Samford)
2020-present	Society of Critical Care Medicine (SCCM), member
2019-present	West Alabama Chapter, National Black Nurses Association (NBNA), president
2019-2021	Sigma Theta Tau: Epsilon Omega Chapter, Membership committee (The University of Alabama)
2018-present	Association of Black Nursing Faculty, Inc. (ABNF, Inc.), member
2017-present	Alabama State Nurses Association (ASNA), Dist. 2: Committee on Professional Issues
2017-present	ASNA, Dist. 2: Continuing education committee
2017-present	ASNA, Dist. 2: Scholarship committee
2016-present	Southern Nursing Research Society (SNRS), member
2015-present	American Nurses Association (ANA), member
2015-present	Greater Tuscaloosa Chapter, American Association of Critical Care Nurses (AACN), vice president
2015-present	National League for Nursing (NLN), Nominating Committee member 2021
2015-present	Alabama State Nurses Association (ASNA)
2013-present	Sigma Theta Tau International Honor Society, Upsilon Omicron Chapter, member (University of North Alabama)
1992-present	American Association of Critical Care Nurses (AACN), member

### **PROFESSIONAL MENTORING ACTIVITIES:**

2021, Fall	American Heart Association HBCU Scholar Undergraduate Research Mentor, Justice Hypolite, Shelton State Community College
2021, Spring	UNA MSN Nurse Educator Practicum Mentor, Janiece Erskine
2020-2021	American Heart Association HBCU Scholar Undergraduate Research Mentor, Alexis Love, Stillman College
2020, Fall	UNA MSN Nurse Educator Practicum Mentor, Imari Horton
2020, Spring	UNA MSN Nurse Educator Practicum Mentor, Najla Washington
2019-2020	American Heart Association HBCU Scholars Undergraduate Research Mentor, Sam'Mesha Edwards, Shelton State Community College

### **EDITORIALS, GRANTS, AND RESEARCH REVIEW BOARDS:**

2021-2023	Reviewer for Online Journal of Rural Nursing and Health Care
2019-2020	Reviewer for Journal of Nursing Education and Practice

## **PRESENTATIONS:**

**Key, B.** & Bowden-Evans, A. *Bridging the Educational and Practical Divide in Nursing Through Apprenticeship Programs: Insights and Impacts*. OADN 2024 Annual Conference, Tampa, FL (November 2024)

Andraibi, M., Mumba, M., & **Key, B.** *Culturally Sensitive Heart Health Program for Older African American Women of Rural Areas*. SNRS 2024 Annual Conference. Podium Presentation, Charlotte, NC (February 2023)

**Key, B.**, Bartlett, R., Johnson, P., M. Montgomery, M. Mumba. *Building the Pipeline of Rural Underrepresented Students to Nursing Research & Nursing Education*. 2023 International Rural Nursing Conference. Podium Presentation, Johnson City, TN (July 2023)

**Key, B.**, Parks, L.B., Erskine, J. & Gray, E. *Using Theater for Health Promotion*. 35<sup>th</sup> Annual Institute & Scientific Conference of the Association of Black Nursing Faculty. Podium Presentation, Nassau, Bahamas (July 2022)

Bartlett, R., Johnson, P., Montgomery, M., Mumba, M., Lester, B., **Key, B.**, & Hornbeck, B. (June 1, 2022). *Health Sciences & Technology Academy – Alabama*. Poster presented at NIH SciEd 2022: Annual Conference for NIH Science Education Projects. Washington, DC. (May 2022)

**Key, B.**, Parks, L.B., Erskine, J. & Gray, E. *Utilizing an Innovative Health Promotion Education Strategy in Rural Alabama*. Poster Presentation. Tuscaloosa, AL (April 2022). Placed second in the professional division.

**Key, B.**, Parks, L.B., Erskine, J. & Gray, E. *Readers Theater for Health Education*. Southern Nursing Research Society (SNRS) 2022 Annual Conference. Poster presentation. New Orleans, LA. (February 2022).

Graves, A., Owings, C., **Key, B.**, & Ford, C. (2021, October 30). *Striving for Excellence: Advancing Evidence-Based Practice in Nursing Education*. Podium Presentation. The American Association of Colleges of Nursing 2021 Academic Nursing Leadership Conference, Washington D. C., United States.

**Key, B.** (2020, November). *Teamwork and Community Building in Nursing*. Guest Speaker in NUR 310, University of Alabama.

**Key, B.** (October 2020). *Using Service Learning to Promote Cultural Awareness*. International Organization of African Nurses 2020 Virtual Conference: Transforming Healthcare in Africa-The Challenges, Solutions and Way Forward.

**Key, B.**, Fedewa, M. & Richardson, M. (April 2020). *Using Physical Activity Trackers in the African American Church*. Faculty Research Day at The University of Alabama. (April 2020).

Cowings, C.R., **Key, B.**, & Woods, A. (April 2020). *Using the Simulation Laboratory to Teach Complex Clinical Concepts*. Faculty Research Day at The University of Alabama. (April 2020).

### **Refereed Poster Presentations (\* = student)**

\*Love, A. & **Key, B.** *Factors that affect cardiovascular health inequities in rural areas* [Poster session]. Community-Campus Partnerships for Health (CCPH) and Patient Centered Outcomes Research Institute (PCORI), At the Heart of the Matter Conference. Virtual. (April 2021).

\*Gray, E.P. & **Key, B.** *Addressing food insecurities and cardiovascular health in rural Alabama* [Poster session]. University of Alabama Undergraduate Research & Creative Activity Conference. Tuscaloosa, AL. (March 2021).

\*Edwards, S. & **Key, B.** *Using social media to teach heart disease information to minority females* [Poster session]. American Heart Association HBCU Symposium. New Orleans, LA (Symposium cancelled) (July 2020).

Owings, C. R. & **Key, B.** *Using Role Play in Simulation to Teach Complex Client Concepts*. Podium session presented at Sigma's 30<sup>th</sup> International Research Society Congress, Calgary, Canada. Refereed. (July 2019).

Mumba, M., Cody, S., & **Key, B.** *Factors Associated with Successful Aging in the United States*. Symposium conducted at the meeting of Sigma Biennial, Washington, D. C. Refereed. (July 2019).

Mumba, M. & **Key, B.** *It Takes a Village: An All of Us Program*. Innovative Research & Programs to Improve the Health of Individuals from Diverse Backgrounds. Symposium conducted at the meeting of the Southern Nursing Research Society (SNRS), Orlando, FL. Refereed. (February 2019).

**Key, B.** & Owings, C. *Teamwork in the Intensive Care Unit*. Poster session at QSEN International Conference. Cleveland, OH. (May 2019).

**Key, B.** & Fedewa, M. *Activity Trackers & Community Health Workers in the African American Church*. Poster presentation at the International Rural Nurse Organization Conference. Nashville, TN. (July 2019).

Woods, A., Dickson, B., **Key, B.** & Stokley, H. *Future Directions: Using Role Modeling in Simulation*. Podium session presented at the Faculty Innovation Workshop, Bryant Conference Center, Tuscaloosa, AL. Refereed. (September 2017).

**Key, B.** *The Role of Cognitive Apprenticeship During the Hospital Orientation*. Poster and podium session presented at the 31<sup>st</sup> Annual Conference of the Southern Nursing Research Society, Addison, TX. Refereed. (February 2017).

**Key, B.** *Cognitive Apprenticeship in Hospital Orientation for Newly Graduated Nurses*. Poster session presented at the Sigma Theta Tau Biennial Convention, Indianapolis, IN. (October 2017).

**Key, B.** & Woods, A. *Role Modeling in Simulation*. Poster session presented at that Alabama State Nurses Association, Birmingham, AL. (October 2017).

**Key, B.** *Cognitive apprenticeship in hospital orientation for newly graduated nurses*. Poster session presented at the National League for Nurses Education Summit, San Diego, CA. (September 2017).

**Key, B.** *Cognitive Apprenticeship in Hospital Orientation for Newly Graduated Nurses*. Poster session presented at the Sigma Theta Tau International Research Congress, Dublin, Ireland. (July 2017).

## **CONSULTATIONS:**

<u>Year</u>	<u>Consultant to agency</u>	<u>Location</u>	<u>Type of Consulting</u>
2017	Hare, Wynn, Newell, & Newton, LLP	Birmingham, AL	Nurse Legal Consultant

## **RESEARCH:**

Graves, B.A. (PI), Owings, C. (Co-I), **Key, B. (Co-I)**, & Ford, C. (Co-I). (08/2020-08/2021). *Innovation and Excellence in Academic Nursing: Advancing Student Evidence-Based Practice Competency*. Funded

by American Association of Colleges of Nursing (AACN) Faculty Scholars.

Bartlett, R. (PI), Montgomery, M. (Co-I), Mumba, M. (Co-I), Johnson, P. (Co-I), Lester, B. (Co-I) & **Key, B.** (consultant). *Health Sciences & Technology Academy – Alabama (HSTA-AL)*. Funded by NIGMS/NIH, Science Education Partnership Award.

Andrabi, M. (Co-I), Mumba, M. (Co-I), & **Key, B.** (Co-I). Rural Heart Health Program. Funded by Resource Center for Minority Aging Research (RCMAR).

**Key, B. (PI).** (2020). *Panola Munch and learn*. Funded by University of Alabama, Council on Community-Based Partnerships.

#### **GRANTS:**

Pigg, D., **Key, B.** , & Bowden-Evans, A. *Increasing Competency-Based Education Through Simulation*. ACCS Stand-Alone Practical Nursing Grant, \$138,333.33. Awarded June 2025

Purcell, M., Bowden-Evans, A., &, **Key, B.** ACCS Practical Nursing Grant. \$102,000. Awarded December 2023

Wynn, S. (PD), **Key, B.** (PC), Hightower, J. & Barron, A. *Registered Nurse Training Program*, Health Resources Services Administration \$1,000,050. Awarded October 2022

**Key, B.** (Co-PD), Wynn, S. (Co-PD), Hightower, J. (Co-I) & Barron, A. (Co-I). *Samford I.N.C.* American Nurses Foundation (ANF), Reimaging Nursing Initiative \$1,485,494. Not Funded

Andrabi, M. (Co-I), Mumba, M. (Co-I), & **Key, B.** (Consultant). Rural Heart Health Program. Resource Center for Minority Aging Research (RCMAR) \$25,000. Awarded August 2021

Johnson, P. (Co-I), Bartlett, R. (Co-I), **Key, B. (Co-I)**, Beasley, A. (Co-I), Townsend, H. (Co-I), Kaylor, S. (Co-I), Callihan, M. (Co-I), Gunter, J. (Co-I), & Mancus, G. (Co-I). *COVID-19 Alabama Department of Public Health-Coronavirus Vaccination Funding* (\$95,774.15). Not Funded

Ford, C., (PI), **Key, B. (Co-PI)**, Mumba, M. (Co-I), Barron, K. (Co-I), Cody, S. (Co-I), Brown, W. (Co-I), Scott, L. (Co-I), & Tice, J. (Co-I). 2021, July. *The LEAD (Leading by Example: Working to Increase African American Nurses in Different Nursing Specialties) Project*. Health Resources and Services Administration (HRSA) Workforce Diversity Grant. \$1,956,08. Not Funded

Graves, B.A. (PI), Owings, C. (Co-I), **Key, B. (Co-I)**, & Ford, C. (Co-I). (08/2020-08/2021). *Innovation and Excellence in Academic Nursing: Advancing Student Evidence-Based Practice Competency*. American Association of Colleges of Nursing (AACN) Faculty Scholars, \$24,648. Awarded August 2020

Bartlett, R. (PI), Montgomery, M. (Co-I), Mumba, M. (Co-I), Johnson, P. (Co-I), Lester, B. (Co-I) & **Key, B.** (consultant). *Health Sciences & Technology Academy – Alabama (HSTA-AL)*. NIGMS/NIH, Science Education Partnership Award. \$1,306,905. Awarded June 2021

**Key, B. (PI).** (2020). *Panola Munch and Learn*. University of Alabama, Council on Community-Based Partnerships Seed Grant, \$5000 (Intramural, 1 year, Awarded 2020-2021).

Mumba, M. (PI), & **Key, B. (Co-PI)**. (2019). *It takes a village*. American Association of Colleges of Nursing (AACN), \$15,000 (Extramural, 6 months, 2019).

**Key, B. (PI)**, Fedewa, M. (Co-I), & Richardson, M. (Co-I). (2019). *Community health workers and*

*physical activity in the African American church.* University of Alabama Research Committee (RGC), \$4,994 (Intramural, 2 year, Funded 2018-2020).

**Key, B. (PI)** & McKinney, B. (Co-PI). (2019). *Faculty Learning Communities – Pilot 2019-2021*, \$2000 (Intramural, 2 year, Funded 2019-2021).

Owings, C. (PI), **Key, B. (Co-I)**, & Woods, A. (Co-I). *Improving transition to practice: Using the simulation laboratory to teach complex concepts and skills.* University of Alabama research Committee (RGC), \$5,548 (Intramural, 2 year, Funded 2018-2020).

## **PUBLICATIONS:**

Mumba, M., Grammer-Horton, A., Cole, H., Dickson, D., Brown, W., Parker, K., Tice, J., **Key, B.**, Castillo, R., Compton, J., Cooney, A., Devers, S., Shoemaker, I., and Bartlett, R. (2023). Development and Implementation of a Novel Peer Mentoring Program for Undergraduate Nursing Students. *International Journal of Nursing Education Scholarship.* <https://doi.org/10.1515/ijnes-2022-0013>

Andrabi, M.S., Mumba, M., **Key, B.**, & Motl, R. (2022). Physical Activity Programs for Cardiovascular Outcomes in Community Wheelchair Users: A systematic Review. *Frontiers in Rehabilitation Sciences, Disability, Rehabilitation, & Inclusion.* Submitted for review 07/30/22.

Graves, A., Owings, C., Ford, C., & **Key, B.** (2022.). Innovation and Excellence in Academic Nursing: Advancing Student Evidence-Based Practice Competency. *The Journal of Professional Nursing.* Submitted for review 07/22/22.

**Key, B.**, Parks, L. B., Gray, E. P., & Erskine, J. (2022). Utilizing Readers Theater for Health Promotion Education in a Rural Setting. *Online Journal of Rural Nursing and Health.*  
DOI: <https://doi.org/10.14574/ojrnhc.v22i1.696>

Bartlett, T.R., **Key, B.**, Mumba, M., Johnson, P., Montgomery, M., & Lester, B. (2022). A program to promote diversity, equity, and inclusion in nursing. *Journal of Psychosocial Nursing & Mental health Services.* <https://doi.org/10.3928/02793695-20211207-01>

**Key, B.**, Fedewa, M., & Richardson, M. (2021). Physical Activity Trackers in the African American Church. *Association of Black Nursing Faculty Journal.* (In press)

Collins-Yoder, A., **Key, B.** (2022). Ischemic Stroke or Migraine with Aura: Triage Considerations. *Critical Care Nursing* 2022. Doi:10.1097/01.NURSE.0000806152.65968.41

**Key, B.**, Owings, C., Ford, C., Graves, A., & Robinson, A. (2021). Connecting Evidence-Based Practice and Clinical Practice Guidelines with BSN Nursing Students. *Nursing Education Perspectives.* <https://www.DOI: 10.1097/01.nep.0000000000000877>

Mumba, M.N., Nancarrow, A.F., Cody, S.L., **Key, B.**, Robb, M., Jurczyk, A., Kelley, M.A., Wang, H., Ford, C., & Allen, R.S. (2020). Intensity and Type of Physical Activity Predicts Depression in Older Adults. *Aging and Mental Health.* Doi: 10.1080/13607863.2020.17111861

Mumba, M. & **Key, B.** (2019). Engaging African Americans in Research in the Era of Precision Medicine: An All of Us Research Program Initiative. *Journal of the National Black Nurses Association*, (2), 39-44. PMID: 33617706

**Key, B.** & Mumba, M. (2019). Using Precision Medicine to Individualize Healthcare. *Nursing 2019*, 49(8), 43-45. doi: 10.1097/01.NURSE.0000569760.88666.61

**Key, B.**, Woods, A., Hanks, M. (2019). Role Modeling in Simulation: An Inductive Learning Strategy. *Nursing Education Perspectives*. Doi: 10.1097/01.nep.0000000000000540

**Key, B.** & Wright, V. (2017). Cognitive Apprenticeship During Preceptorship. *Journal for Nurses in Professional Development*, 33(6), 301-306. DOI: 10.1097/NND.0000000000000394

**COURSES TAUGHT:**

January 2022	Samford University	NURS 460 Critical Care Nursing NURS 243 Pathophysiology NURS 438 Clinical Preceptorship NURS 460 Critical Care Nursing NURS 243 Pathophysiology NUR 471 Complex Clients NUR 328 Inquiry for Evidence-Based Practice NUR 620 Curriculum Theory and Practice (online) NUR 465 Complex Clients (RN to BSN) (online) NUR 317 Zambia Med Mission Trip NUR 419 Complex Clients NUR 102, Fundamentals, Nur 104, Adjunct clinical instructor
August 2021	Samford University	
August 2017-May 2021	The University of Alabama	
August 2016-May 2017	The University of Alabama	
August 2009-May 2016	University of West Alabama	