

**BIOGRAPHICAL SKETCH**

Provide the following information for the Senior/key personnel and other significant contributors.  
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Ross, Angela Marie DNP, MPH, PMP, DASM, PHCNS-BC, LTC (ret) AN, FHIMSS

eRA COMMONS USER NAME (credential, e.g., agency login): AMROSS1

POSITION TITLE: Assistant Professor

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Dillard University, New Orleans, LA	BS	05/1983	Nursing
Tulane University, New Orleans, LA	MPH	07/1990	Public Health
University of Maryland at Baltimore, Baltimore, MD	MS	01/1998	Nursing Informatics
Villanova University, Villanova, PA	Graduate Certificate	12/2008	IS/IT Project Management
University of Maryland at Baltimore, Baltimore, MD	DNP	12/2014	Nursing Informatics, Executive Leadership

**A. Personal Statement**

I have the expertise, leadership, training, and motivation necessary to function as a team member for the proposed research project. I am currently an assistant professor at the UTH School of Biomedical Informatics, Houston, TX, and an assistant professor at UTRGV School of Medicine, Brownsville, TX. I previously worked as a senior executive and former Chief Medical Information Officer (CMIO), the Defense Health Agency (DHA) project manager, and Chief Public Health Nursing. As an informatics consultant and project manager, I have led the selection, implementation, integration, and operation of emerging and fielded clinical information technologies used in care delivery to support the customer and improve clinical decision-making. As an advisor to DHA leadership, I identified evidence-based courses of action to drive strategic decisions and evaluate and apply new and existing information technologies and systems supporting health care and administrative functions. As an assistant professor, I help students identify informatics's relevance in everyday practice. I teach and coach professionals and students on translating research and applying evidence-based practice (EBP) to promote individuals and the community's health. These efforts will positively influence the various organizations where they are employed and join in the future. Interprofessional collaboration, teamwork, and communication are essential to my teaching practice. My project interests include public health, process improvement, project management, system implementation, evaluation, workflow analysis, and workforce development. I am a certified Project Manager, a Discipline Agile Scrum Master, and a Public Health Clinical Nurse Specialist.

## B. Positions and Honors

1983-2005	Military Service, US Army Nurse Corps	Specialties: Public Health, Intensive Care, Dialysis, Biomedical Informatics (Retired with Honorable Discharge at the rank of LTC)	San Antonio, TX
2005-2007	US Army Medical Command	Patient Safety Nurse Consultant	San Antonio, TX
2007-2008	IMS Government Solutions	Project Manager	San Antonio, TX
2008-2009	Core Business Solutions	Project Manager	San Antonio, TX
2009-2012	Defense Health Agency (DHA)	Nurse Consultant/Project Manager	San Antonio, TX
2010-2015	UTHealth School of Nursing	Assistant Clinical Professor	San Antonio, TX
2012-2015	Defense Health Agency (DHA)	Chief Medical Information Officer	San Antonio, TX
2017-Present	UTHealth School of Public Health	Public Health and Quality Improvement Consultant	Brownville, TX
2019-Present	UTRGV School of Medicine	Assistant Professor	Brownville, TX

## Other Experience and Professional Memberships

### Licensure:

2017 Registered Nurse, Texas

### Training:

2007 Root Cause Analysis, TapRoot® Team Leader

2006 – 2016 TeamSTEPPS® Master Trainer, US Department of Health and Human Services, Agency for Healthcare Research and Quality

2016 – 2017 Health Educators Fellowship Program (HEFP), UTHealth, McGovern Medical School, Houston, Texas

### Fellowship:

2022– Present Fellow Healthcare Information and Management Systems Society (FHIMSS)

## **Certification:**

1993 – Present American Nursing Association, ANCC Public Health Clinical Nurse Specialist  
2009 – Present Project Management Institute, Project Management Professional (PMP)  
2021 – Present Project Management Institute, Disciplined Agile® Scrum Master (DASM)

## **Membership:**

American Public Health Association (APHA)	2000-present
APHA, Health Informatics Information SIG	2000-present
American Medical Informatics Association	2009-present
Healthcare Information and Management Systems Society	2009-present
Project Management Professional, National, and Alamo Chapter	2009-present
DoD Acquisition Career Field (Information Technology) Level III	2011-present
Sigma Theta Tau International Honor Society	2011-present
American Nurses Association	2014-present

## **Military Honors (1983-2005)**

Department of the Army Meritorious Service Medal (6<sup>th</sup> Award)  
Department of the Army Commendation Medal (4<sup>th</sup> Award)  
Department of the Army Achievement Medal (2<sup>nd</sup> Award)  
National Defense Service Medal (2<sup>nd</sup> Award)  
Department of Army Armed Forces Reserve Medal  
Department of the Army Service Ribbon  
Global War on Terrorism Service Medal

## **Academic Awards and Honors**

John P. McGovern UTH School of Biomedical Informatics Teacher of the Year (2018)  
Health Care for The Homeless Houston Volunteer of the Year (2018)

## **Clinical Experiences**

I joined SBMI in 2015. My focus continues to support translational science by teaching students and professionals how to translate and apply research in complex organizations to improve health outcomes. I support complex health organizations by consulting on public health issues, informatics, process improvement, project management, workflow analysis, evaluation, and workforce development. I have consulted with the following organizations and mentored Masters and Doctoral students in their biomedical informatics and public health education:

- a. 2017- Present UTH, School of Public Health, Brownsville, TX, DSRIP, Public Health and Project Management
- b. 2017-Present Oncology Consultants, P.A., Houston, TX
- c. 2017-Present Methodist Hospital, Houston TX
- d. 2016-Present Healthcare for the Homeless Houston, Clinical Operations, Houston, TX
- e. 2016-2020 Doctor Hospital at Renaissance, Tumor Registry, Edinburg, TX
- f. 2016-2020 Memorial Hermann, Director of Nursing Operation Office, Houston, TX

I have consulted on the following clinical projects:

- a. Healthcare for the Homeless Houston, CEO Clinical Operations, Houston, TX,  
Projects: Work Flow Analysis, Care Coordination, Cycle Times, Patient Center Medical Home
- b. Oncology Consultants, P.A., Houston, TX  
Projects: Oncology Care Model, Clinical Quality Indicators, Centers for Medicare & Medicaid Services
- c. Methodist Hospital, Houston, TX.

### C. Contributions to Science

1. I served with a team of CMIOs for the Army Medical Command Workforce Development Task Force. Our mission was to ensure a proficient and competent workforce for delivering and sustaining the core values of quality, clinical business intelligence, business process management, and training, focusing on informatics competencies, deployment, and electronic health record training. Our CMIO team focused on curriculum development, standardization, strategy, and integration for clinical information systems deployments. I hired and managed 15 Health Information Technology Trainers that traveled worldwide, providing education and training to a workforce of approximately 100,000 Army Medical Professionals. 2016, I presented our taskforce workforce development training program at the Nursing Informatics International Congress in Geneva, Switzerland.
2. My research focus is translational, which involves many facets of taking academic research findings and implementing them in the real world. My focus is evaluation, process improvement, and implementation. I work in complex organizations to implement the science and identify methods to apply to that science to improve outcomes. My expertise intends to enhance the adoption of best practices in the community by transferring research to practice settings and communities. I aim to support improving health outcomes, ensuring patient safety, and transforming health in complex organizations. I focus on improvement processes, project management and evaluation, system implementation, workflow analysis, and workforce development to promote safe, timely, effective, and efficient patient-centered care. I identify and illustrate the importance of addressing emerging practice problems within teams through evaluation, requirements identifications, workflow, and system analysis. One goal is implementing efficient and effective systems that lead to better decision-making, improve patient outcomes, and promote staff satisfaction to support healthcare transformation in organizations.
3. I operationalize in a practice environment by leading, advising, teaching, and implementing in teams. I am a TeamSTEPPS® Master Trainer and Team Leader trained in root cause analysis of the TapRooT® system. I began team training as a patient safety consultant with the Department of Defense (DoD), where we traveled worldwide to train DoD Staff to improve performance. We introduced over 30 facilities focusing on the surgical department to decrease wrong-site surgeries based on our root cause analysis. With the development and implementation of policy changes, training, and teamwork, we reduced the number of sentinel events in the surgical departments across the enterprise.
4. I have supported over 30 hospitals in the DoD as a Chief Medical Information Officer (CMIO) and Project Manager. Over the last eight years, I have assessed and implemented patient care technologies such as the electronic health record (EHR) and administrative systems at 15 hospitals. As the project manager for the EHR implementations for nine hospitals, I delivered the projects on time, on budget, and within scope across the US Army and US Air Force. I have over 20 years of experience as a Public Health Nurse in the Army Nurse Corps. I maintain my Clinical Nurse Specialist in Public Health certification by volunteering my expertise and precepting students at Houston, TX's Health Care for The Homeless clinic. I completed my Doctorate in Nursing Practice while working at the DHA in the CMIO position. An article outlining my DNP performance improvement project was accepted for publication. Additional reports and papers I contributed to are listed below.
  - a. Ross, A., Feider, L., Nahm, E.S., and Staggers N.: An outpatient performance improvement project: A baseline assessment of adherence to pain reassessment standards. *Mil. Med.* 182(5):e1688-e1695, May 2017. doi: 10.7205/MILMED-D-16-00104. PMID: 29087912.
  - b. Fenton, S.H., Ross, A., and Simmons, D.: Training leaders in health informatics. *Stud. Health. Technol. Inform.* 264:1184-1188, 21 Aug. 2019. doi: 10.3233/SHTI190413. PMID: 31438112.

- c. McBride, S., Maker, E.V., Ross, A.M., Ross, D., and Elkind, E.C.: Determining awareness of the SAFER guides among nurse informaticists. *Journal of Informatics Nursing*. 6(4):6-13, 2021.
- d. Rasmy, L., Nigo, M., Kannadath, B.S., Xie, Z., Mao, B., Patel, K., Zhou, Y., Zhang, W., Ross, A., Xu, H., and Zhi, D.: Recurrent neural network models (CovRNN) for predicting outcomes of patients with COVID-19 on admission to hospital: Model development and validation using electronic health record data. *Lancet Digit. Health*. 4(6):e415-e425, Jun. 2022. doi: 10.1016/S2589-7500(22)00049-8. Epub 2022 Apr 21. PMID: 35466079; PMCID: PMC9023005.
- e. Zingg, A., Singh, T., Franklin, A., Ross, A., Selvaraj, S., Refuerzo, J., and Myneni, S.: Digital health technologies for peripartum depression management among low-socioeconomic populations: Perspectives from patients, providers, and social media channels. *BMC Pregnancy Childbirth*. 23(1):411 , 3 Jun. 2023. doi:10.1186/s12884-023-05729-9 PMID: 37270494; PMCID: PMC10239590.

f. **Reports and Manuals**

United States Army Regulations and Reports

US Army Center for Health Promotion and Preventive Medicine Special Project. (1996). Department of the Army Put Prevention into Practice Technical Guideline #19. US Department of Health and Human Services, Washington, DC.

Headquarters Department of the Army. (2013). Immunizations and Chemoprophylaxis for the Prevention of Infectious Diseases. Army Regulation 40-562. Washington, DC.

[https://armypubs.army.mil/ebooks/DR\\_pubs/DR\\_a/pdf/web/r40\\_562.pdf](https://armypubs.army.mil/ebooks/DR_pubs/DR_a/pdf/web/r40_562.pdf)

Defense Health Agency. (2014). US Army, US Air Force, and DOD Medical Information Technology Merger, Engineering, Design, and Deployment Organization (SSD Section) Workflow Design and Functions Manual. Fort Sam, Houston, TX.

Headquarters Department of the Army. (2014). Identification, Surveillance, and Administration of Personnel Infected with Human Immunodeficiency Virus. Army Regulation 600-110. Washington, DC. [https://www.army.mil/e2/downloads/rv7/r2/policydocs/r600\\_110.pdf](https://www.army.mil/e2/downloads/rv7/r2/policydocs/r600_110.pdf)

Headquarters Department of the Army. (2015). Army Health Promotion. Army Regulation 66-63. Washington, DC. [https://www.army.mil/e2/downloads/rv7/r2/policydocs/r600\\_63.pdf](https://www.army.mil/e2/downloads/rv7/r2/policydocs/r600_63.pdf)

Defense Health Agency. (2014). *Engineering, Design, and Deployment Organization (SSD Section) Workflow Design and Functions Manual*. Fort Sam Houston, TX.