

Curriculum Vitae

Mahmoud H. Altawalbih, Ph.D., MSN, RN, SQIL

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EDUCATION

**2023-2024 Health Economics Certificate Harvard Business School,
Harvard University, Boston USA**

2019-2020 Postgraduate Medical Program in Safety, Quality, Informatics, & Leadership
البرنامج الطبي ما بعد الدراسات العليا في السلامة والجودة والمعلوماتية والقيادة
Capstone project: “Improving medication error reporting rates among healthcare providers in a university hospital settings”.
Mentor/Advisor: Katherine Santos

**Harvard Medical School
Harvard University
Boston, MA, USA**

2016-2019 Doctor of Philosophy (Ph.D.) in Nursing Dissertation:
“Patient’s Utilization of Health Information Technologies for Disease Self- Management”.
Advisor: Dr. Joseph Burkard

Hahn School of Nursing & Health Sciences
University of San Diego
San Diego, California, USA

2011-2013 Master of Science in Nursing (MSN) Healthcare Management Administration
College of Nursing, Kent State University
Kent, Ohio, USA
Advisor: Dr. Susan Taft

2004-2008 Bachelor's of Science in Nursing (BSN)
Jordan University of Science & Technology
Irbid, Jordan

RESEARCH & TEACHING INTERESTS

- Quantitative research methods, healthcare informatics, patient outcomes, patient safety, healthcare quality, leadership, and Trauma and critical care.

PROFESSIONAL EXPERIENCE

Assistant Professor and Coordinator/ Anesthesia Technology Program 2024- present
Jordan University of Science and Technology/ Faculty of Applied Medical Sciences

Duties and Responsibilities:

- Teaching and conducting examinations.
- Carrying out innovative research and studies.
- Supervising graduate theses and scientific or social research, guiding students academically and ethically, and monitoring their activities and reports.
- Providing academic advising.
- Participating in university councils and committees, as well as in those in which the university is represented.
- Undertaking any activity that promotes the university and contributes to its advancement.
- Dedicating oneself to academic responsibilities within the university, striving to enhance its scientific mission, and maintaining the level befitting its status in research, teaching, guidance, and administration.
- Serving the community and contributing to its development.

Vice president for Education and Compliance 2019-2023
California School of Health Sciences/ California Career Institute
California USA

Duties and Responsibilities:

- Support systematic planning and change within CSHS/CCI by administering a comprehensive, continual, and multi-dimensional student learning outcomes assessment program to enhance student success and drive continuous improvement.
- Represent the CSHS/CCI regarding its assessment and evaluation processes to external stakeholders.
- Supervise and manage the preparation and distribution of reports to meet state and national compliance requirements, accreditation standards, and the CSHS/CCI mission.
- Implement quality assurance standards and advance the quality measures course review process.
- Responsible for monitoring California Department of Education, California Board of Nursing, and accreditation bodies compliance guidelines and educating CSHS/CCI faculty and staff

regarding compliance issues and changes.

- Provide expert support to faculty, administration, and staff related to reaccreditation process and compliance requirements.

Content Expert

- Supervising on-campus and online teaching and learning
- Reviewing and providing feedback to faculty members
- Executing annual reviews to the nursing program and Courses offered
- Developing the curriculum for a blended learning program in nursing in collaboration with online platforms (i.e. Elsevier Education platform, CANVAS Learning Management System, Blackboard, Zoom)

Curriculum Developer for nursing program

- Developing the curriculum for a blended learning program in nursing
- Developing and teaching nursing integration and practicum courses

Adjunct Assistant Professor
Department of Health Informatics
 University of San Diego, USA

2019-2020

- Teaching graduate Health informatics courses

Faculty member at the Nursing program

2018-present

California School of Health Sciences/ California Career Institute, California, USA

- Taught theoretical and clinical nursing courses
- Teaching in various educational courses and programs that focuses on increasing students' knowledge, improve their skills, and foster critical thinking in an efficient, timely, and economical manner.
- Preparing students to transition to the professional field or academic institution by utilizing best-based and evidence-based practice, results-oriented training, and standardized academic development.

Teaching Experience (Selected Courses)

Course title	Dates	Level	College/ University
Selected Anesthesia Technology courses: - ADVANCED PHARMACOLOGY OF ANESTHESIA - CLINICAL TRAINING 2, 3 & 4 - CRITICAL CARE - FUNDAMENTALS OF PREOPERATIVE HEALTH ASSESSMENT AND EVALUATION - FUNDAMENTALS OF PREOPERATIVE HEALTH ASSESSMENT AND EVALUATION LAB - INTRODUCTION TO ANESTHESIA TECHNOLOGY - INTRODUCTION TO ANESTHESIA TECHNOLOGY LAB - MECHANICAL VENTILATION - POST-OPERATIVE PAIN MANAGEMENT - PREOPERATIVE ASSESSMENT AND BASIC INVESTIGATION - PREOPERATIVE ASSESSMENT AND INVESTIGATION LAB	2024-present	undergraduate	Jordan University of Science and Technology
Introduction to healthcare Delivery Systems in the U.S	2018-2019	Graduate	University of San Diego
Nurse Educator	2018- 2023	Graduate	California School of Health Sciences

Faculty Development Internship	2018- 2023	Graduate	California School of Health Sciences
Research Residency Program	2018- 2023	Graduate	California School of Health Sciences
Critical Care	2018- 2023	Undergraduate/ Associate	California School of Health Sciences
Basic to Advanced EKG	2018- 2023	Graduate, Undergraduate	California School of Health Sciences
Advanced Life Support American Heart Association Curriculum (ACLS)	2019- present	All levels	California School of Health Sciences
Basic Life Support American Heart Association Curriculum (BLS)	2019- present	All Levels	California School of Health Sciences
Fundamentals of Nursing I & II Theory	2018- 2023	Undergraduate/ Associate	California Career Institute

Fundamentals of Nursing I & II Clinical	2018- 2023	Undergraduate/ Associate	California Career Institute
Medical Surgical Nursing I & II Theory	2018- 2023	Undergraduate/ Associate	California Career Institute
Medical Surgical Nursing I & II (Practicum)	2018-2023	Undergraduate/ Associate	California Career Institute
Senior Practicum (Leadership and Health Informatics) Theory	2018- 2023	Undergraduate/ Associate	California Career Institute
Senior Practicum (Leadership & Health Informatics) Clinical	2018- 2023	Undergraduate/ Associate	California Career Institute
Integration Course	2018-2021	Undergraduate/ Associate	California Career Institute

PROFESSIONAL CLINICAL NURSING EXPERIENCE

Position	Employer	Dates	Description
Westways Staffing Services, California, USA Care & trauma Registered Nurse		2014-PRESENT	Critical

<p><u>Selected Critical Care Skills:</u></p> <ul style="list-style-type: none"> - Intra-aortic Balloon Pump - CRRT - Central lines, arterial lines, & SWAN GANZ - Mechanical ventilation - Post CABG ICU care - Hemodynamic drips - Cardiac monitoring - Trauma / ICU Nursing - Hypothermia induction management (Arctic sun) - ARDS and roto-prone therapy - Palliative care - Intravenous therapy - Solid background in Critical - Care Nursing - Proficiency with computerized charting - ACLS provider and Instructor certified - BLS provider and instructor certified - Pre/Post-surgical care - Emergency Tracheostomy and airway management - patient-focused assessment 	<p>Memorial Healthcare System (Orange Coast Medical Center, Long Beach Medical Center, & Long Beach Community Hospital) Resource RN (Trauma & CCU RN)</p> <p>Los Alamitos Medical Center, California Medical and Neuro ICU RN</p> <p>St. Joseph Health System (Mission hospital, St. Jude, and St. Joseph hospitals) California Trauma and Surgical ICU RN</p> <p>University of California Irvine Medical Center California, USA Critical Care Float Pool Registered Nurse</p> <p>King Abdullah University Hospital, Irbid, Jordan Registered Nurse Coronary Care Unit (CCU)</p> <p>King Hussein Cancer Center, Amman Jordan Registered Nurse Adult Intensive Care Unit (ICU)</p>	<p>2019- present</p> <p>2018-2019</p> <p>2014-2018</p> <p>2017-2018</p> <p>2009-2010</p> <p>2008-2009</p>	<p>Responsible for the total care of ICU patients'</p> <ul style="list-style-type: none"> - Completing a thorough head-to-toe assessments. - Communicating with the healthcare team (i.e., physicians) for pertinent changes in patient condition or critical lab values. - Administering all medications, including, but not limited to, hemodynamic drips. - Maintaining safe environment for the patient as well as for the family members and staff. <p>ICU Clinical resource nurse</p> <ul style="list-style-type: none"> - Promote and maintain quality patient care, manage nursing operations, assist in teaching nursing staff and enforce procedures, policies, practices and standards of the facility. <p>Management and treatment of the acute Trauma patient.</p> <ul style="list-style-type: none"> - Solid and profound knowledge of general nursing and critical nursing practices. - Prioritize and develop plans accordingly to each patients' needs. - Proficiency in educating patients and their families in compliance with the hospital rules and regulations. - Function independently while still exhibiting profound teamwork to allow the unit to function more easily, as well as a multi-tasking ability not compromising with the quality of work that is done. - Serving patients through important processes like assessment, planning, intervention and implementation in compliance with unit standards. - Collaborate with interdisciplinary teams to develop and implement a plan of care for a specific group of assigned patients. - Ensure the coordination of care between other disciplines and support staff. - Perform professional nursing duties that incorporate the psychomotor and age appropriate cognitive skills of the patient/family/significant other to assess, plan, intervene and advocate for the patient on an ongoing basis throughout the continuum of care. - Evaluate patient outcomes, effectiveness of plan of care, and readiness for discharge and revise plan or make referrals as necessary. - Act as a role model and mentor to a variety of students and nurses new to the unit. Functions as a (PCC) Patient Care Coordinator as requested by the supervisor/manager.
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PROFESSIONAL EXPERIENCE

Consultant, Healthcare delivery and informatics

2021-present

American Bravura LLC

- Conduct projects to improve healthcare delivery in the U.S. and Middle East countries
- Example of completed projects:
- Provided training for the Jordanian Royal Medical Services staff in the U.S.A hospitals to improve quality of care and patient safety.
- Implementing Electronic Health Records for the government hospitals in Libya in collaboration with a group of a U.S healthcare experts.

RESEARCH EXPERIENCE

Graduate Student researcher

2016-2019

Hahn School of Nursing/ University of San Diego

- Worked on cycle 4 and cycle 5 data sets from the Health Information National Trends Survey sponsored by the National Cancer Institute, USA.
- Used SAS and SPSS for data analysis, binary Logistic Regression was performed

Graduate Research Assistant

2011-2013

College of Nursing/ Kent State University

- Worked with research team on a federally funded project to explore the alternative strategies to improve patient outcomes.
- Duties included, but not limited to : Data collection, cleaning, data entry using SPSS, management the research office and contacting the participants.

Publications

- ["Global Research Trends, Hotspots, Impacts, and Emergence of Artificial Intelligence and Machine Learning in Health and Medicine: A 25-Year Bibliometric Analysis"](#), Healthcare *Alaa Fawwaz Ali Dalky, Mahmoud Hamzeh Khder Altawalbih, Farah Mahmoud Ms Alshani, Rawand Abdallah A.K Khasawneh, Rawan Ali Ibrahim Tawalbeh, Arwa Mnaezel Khalaf Al-Dekah, Ahmad Ali Mohammad Alrawashdeh, Tamara Osama Fayiz Quran*

Submitted Articles for Review

- Dalky, A.F., Dalky, H, Dufault, M. **Altawalbih, M.** “Usability” in the Context of the Electronic Health Records: Nursing Practice Perspectives. Submitted to: *Journal of Multidisciplinary HealthCare.*

- Dalky, A.F., Dalky, H, Dufault, M., **Altawalbih, M.** Task-Technology Fit Model for Testing the Usability of EMR in the Context of Nursing Practice. Submitted to: *BMC Medical Informatics and Decision Making*.

Articles in Preparation

- **Altawalbih, M.** *Electronic Health Records (EHRs) from a Patient's Perspective: A Concept Analysis*. Ready for submission to *the Journal of Informatics Nursing*.
- **Altawalbih, M.** *Recommendation for Policy Extension to the Patient Safety and Quality Improvement Act (PSQIA) to Include Mandatory Reporting System*. Ready for submission to the *Journal of Nursing Economics*.

Thesis Supervision:

- Current thesis: 2025- Perceptions among Jordanian Healthcare Professionals of Pharmacogenetics Tests Implementation into Clinical Practice and Electronic Health Records System:A Cross-sectional Study.
- Previous thesis:
2024- The Impact of COVID-19 Pandemic on Jordanian Nurses Perception of Teamwork and Telehealth.
2024- the Relationship Between Artificial Intelligence and Total Quality Management

Current Research Projects (Funded)

- Prevalence of Microbial Contamination and Carrier Status of Departmental and Health Mobile Phones and Keyboards with Multi-Drug resistant Microorganisms at AL Husain-AL Salt New Hospital.

Conference Presentations

- **Altawalbih, M.** (2019). *Patient's Utilization of Health Information Technologies for Disease Self-Management*. Accepted for poster presentation at the 52nd Western Institute of Nursing Research Conference, San Diego.

Selected Public Lectures

- **Altawalbih, M.** (2021). *Team Building and Change Management in Healthcare*. Quality Improvement lecture Series for the Royal Jordanian Medical Services. Jordan
- **Altawalbih, M.** (2021). *Change Acceleration process in Healthcare*. Quality

Improvement lecture Series for the Royal Jordanian Medical Services. Jordan

- Alqahtani, N. & **Altawalbih, M.** (2013, October 14). *Cultural Clarity: What are appropriate sitting positions in the Arabic culture*. Presented to nursing faculty, College of Nursing, Kent State University.
- Ross, R., Akkarawongvisit, C., **Altawalbih, M.**, Suwannasod, S. (2013, October 1). *Nursing in a Culturally and Spiritually Diverse World*. N10050 Introduction to Professional Nursing, College of Nursing, Kent State University.
- Ross, R., Akkarawongvisit, C., Alqahtani, N., **Altawalbih, M.**, Suwannasod, S. (2013, October 3). *Nursing in a Culturally and Spiritually Diverse World*. N10050 Introduction to Professional Nursing, College of Nursing, Kent State University.

Workshops

- Simulation Learning System (SLS). Elsevier education. California School of Health Sciences. Spring 2020.
- Coronavirus Support & Remote Teaching Resources. Elsevier education. California School of Health Sciences. Spring 2020.
- Managing and Negotiating Conflict in Your Personal Life. Center for Applied Conflict Management, Kent State University. Fall 2013.
- Data Mining: U.S. and International Perspectives, Brown Bag Engagement Series. Kent State University/ College of Nursing, September 2013.
- Managing class room for success workshop. Kent State University. Spring 2012.
- “Driving the Future ,12”. A national conference focusing on Self-Care & Wellness. Kent State University College of Nursing. Spring 2012.

PERSONAL STRENGTHS & ATTRIBUTES

- **The Myers-Briggs Type Indicator**

ENTP- Extraversion, Intuition, Thinking, Perceiving

ENTPs are constantly scanning the environment for opportunities and possibilities, which they then analyze logically. They see patterns and connections not obvious to others and at times seem able to see into the future. Quick, ingenious, and resourceful in solving new and challenging problems, they move quickly from one new interest to another. They value home, family, autonomy, and achievement.

- **GALLUP | Clifton StrengthsFinder® Themes**

Ideation: Exceptionally talented, fascinated by ideas, able to find connections between seemingly disparate phenomena.

Learner: Exceptionally talented, have a great desire to learn and want to continuously improve. The process of learning, rather than the outcome, excites them.

Communication: Exceptionally talented in communication, find it easy to put thoughts into words. Good conversationalists and presenters.

Achiever: Exceptionally achiever, work hard and possess a great deal of stamina. Take immense satisfaction in being busy and productive.

Futuristic: Exceptionally futuristic, inspired by the future and what could be. Energize others with their visions of the future.

Licensure Information

- State of California RN license number (95024607).
- State of Ohio RN license number (388418).
State of Illinois RN license number (41393896).
- Jordan Nurses & Midwives council RN registration number (13369).

Certification Information

- Basic Life Support (BLS) Instructor, American Heart Association.
- Advanced Cardiac Life Support (ACLS) Instructor, American Heart Association.
- Teaching Adult Learners, Glendale Career Collage, California, USA.
- Basic Life Support (BLS) provider, American Heart Association.
- Advanced Cardiac Life Support (ACLS) provider, American Heart Association.
- International Computer Driving License (ICDL), September 2008 by European Computer Driving License Foundation, certificate number (UN 08011790).

Computational and Research Skills

- Proficient in research project management including data collection & management.
- Proficient in using Statistical Package for the Social Sciences (SPSS).
- Very good commands of using SAS statistical Package.

- Excellent command of Microsoft Office Tools (Word Processing, Spread Sheets, Power Point).

Digital Teaching Skills

- Locate, curate and organize digital information for academic, personal and/or professional capacities
- Leverage digital tools and online platforms following sound pedagogically principles to support student learning
- Locate and implement open education resources to support student learning
- Use digital tools, platforms and institution’s learning management system (LMS) to support efficient and effective teaching activities
- Use LMS and other platform data to identify students requiring additional services and learning support (services provided by institution or faculty)
- Participate in professional development and lifelong learning using online platforms and digital applications
- Create and participate in a personal learning network leveraging digital platforms

Professional Affiliation

2020- present	Harvard Alumni Association
2017-present	National Association for Healthcare Quality (NAHQ)
2017-present	National League for Nursing (NLN)

HONORS & SCHOLARSHIPS

Harvard Medical School Tuition Reduction (HMSTR)

- Tuition assistance awarded based on merit and eligibility for the post graduate medical education program (PGME) in Safety, quality, informatics, and leadership (SQIL).

Harvard University Medical School

- **Nurse Faculty Program:** 3 years Ph.D. studies funded aimed to increase the number of qualified nursing faculty/ **University of San Diego, School of Nursing**

- **Graduate Assistantship:** Funded 2 years (Covered tuition and monthly stipend) of graduate studies during master's degree/ **Kent State University, College of Nursing**

ACADEMIC AND COMMUNITY SERVICE

- 2013- 2014: Kent State University College of Nursing International Interest Group member.
- 2013-2014: Kent State University College of Nursing Graduate Curriculum Committee member.
- 2007-2008: Scientific Club President at Jordan University of Science and Technology.
- 2006-2007: Elected to represent the College of Nursing at Jordan University of Science and Technology Student's Union.

LANGUAGES

- Arabic
- English

REFERENCES

- **Dr. Joseph Burkard DNSc, CRNA, AACN Health Policy Fellow**
 - DNP Program Coordinator
 - University of San Diego
- **Harold Sterling RN**
 - President & Chief Executive Officer
 - Westways Staffing services
- **Dr. Jonathan Mack, PhD, RN-BC, NP**
 - Director Innovative Learning Services
 - Healthcare Informatics and Nursing Informatics Program
 - University of San Diego
- **Dr. Rafat Qahoush, PhD, MSN, RN**
 - Chief Executive Officer and President
 - California School of Health Sciences
- **Lynda Steele RN**
 - Director, Critical Care Services
 - Orange Coast Memorial Medical Center

