

Dr. Hana Alharthi

Associate Professor

Personal Data

Nationality | Saudi

Department | Health Information Management and Technology

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Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓
Others			

Academic Qualifications (Beginning with the most recent)

Academic Degree	Specialization	Place of Issue
PhD	Information Management	George Washington University, Washington, DC. USA, 1994
Master	Master of Science in Technology & management	American University, Washington, DC. USA, 1988
B.S.	Computer Science	American University, Washington, DC. USA, 1985

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Associate Professor	Imam Abdulrahman Bin Faisal University (IAU)	2021
Assistant professor	University of Dammam	2006

Imam Abdulrahman Bin Faisal University (IAU), previously
University of Dammam (UoD)

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Dean	College of Public Health, Imam Abdulrahman Bin Faisal University (IAU)	2020- Current
Vice Dean for Quality, Development & Community Services.	College of Public Health, Imam Abdulrahman Bin Faisal University (IAU)	2016 - 2017
Vice Dean for Academic Affairs	College of Computer Science and Information Technology, University of Dammam	2010 - 2014
Chairman, Health Information Management and Technology Department	Applied Medical Sciences College, University of Dammam	2008 - 2014

Scientific Achievements

Published Refereed Scientific Researches

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1.	Hana Alharthi	Machine Learning Techniques to Predict Academic Performance of Health Sciences Students	International Symposium on Distributed Computing and Applications for Business Engineering and Science (DCABES) 2021
2.	Hana Alharthi	Predicting the level of generalized anxiety disorder of the coronavirus pandemic among college age students using artificial intelligence technology	International Symposium on Distributed Computing and Applications for Business Engineering and Science (DCABES) 2020
3.	Hana Alharthi, Fatima Alshakhs, Nida Aslam and Mohamed Elasheri	Predicting Postoperative Length of Stay for Isolated Coronary Artery Bypass Graft Patients Using Machine Learning	International journal of general medicine 2020

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4.	Hana Alharthi	Predicting Physicians' Satisfaction with Electronic Medical Records Using Artificial Neural Network Modeling	Saudi Journal for Health Sciences, August 2019
5.	Hana Alharthi	Healthcare predictive analytics: An overview with a focus on Saudi Arabia	The Journal of Infection and Public Health, 2018
6.	Azza Ali El.Mahalli, Hana Alharthi	Assessment of Health- Related Quality of Life of Patients with Inflammatory Bowel Diseases in Eastern Province- Saudi Arabia.	The Journal of Infection and Public Health, 2016
7.	Hana Alharthi;Nahid Sultana;Amjaad Alamoudi; Afrah	An Analytic Hierarchy Process-based Method to Rank Critical Success Factors of Implementing Pharmacy Barcode System.	Perspectives in Health Information Management, 2015
8.	Hana Alharthi ; Adel Youssef	Physicians' override of computerized alerts for contraindicated medications in patients hospitalized with chronic kidney disease.	Saudi Journal of Medicine and Medical Sciences, 2014
9.	Adel Youssef ; Hana Alharthi ; Ohoud Al Khaldi ; Fatima Alnaimi; Nujood Alsubaie; Nada Alfariss	Effectiveness of text message reminders on nonattendance of outpatient clinic appointments in three different specialties: A randomized controlled trial in a Saudi Hospital.	Journal of Taibah University Medical Sciences, 2014
10.	Hana Alharthi ; Adel Youssef; Salma Radwan; Sukainah Al-Muallim; Al-Tuwaileb	Physician satisfaction with electronic medical records in a major Saudi Government hospital.	Journal of Taibah University Medical Sciences, 2014
11.	Adel Youssef ; Hana Alharthi	Accuracy of the Charlson index comorbidities derived from a hospital electronic database in a teaching hospital in Saudi Arabia.	Perspectives in Health Information Management, 2013
12.	Bah S, Alharthi H, El Mahalli AA, Jabali A, Al-Qahtani M, Al-kahtani N.	Annual survey on the level and extent of usage of electronic health records in government-related hospitals in Eastern Province, Saudi Arabia.	Perspectives in Health Information Management, 2011

Imam Abdulrahman Bin Faisal University (IAU), previously
University of Dammam (UoD)

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1.	Dr. Azza Elmahali (PI) Dr. Hana Alharthi Funding source: University of Dammam	Assessment of Health- Related Quality of Life of Patients with Inflammatory Bowel Diseases in Eastern Province- Saudi Arabia	2014
2.	Dr. Adel Yousef (PI) Dr. Hana Alharthi Funding source: University of Dammam	Alerts for Drug- Drug Interaction: 10 Year Trend and Factors Associated with Clinician Override in Inpatient Setting	2013
3.	Dr. Hana Alharthi(PI) Dr. Samih Mouktar Dr. Adel Yousef Dr. Nouf Alqahtani Saja Alrayes Funding source: University of Dammam	Development and Psychometric Evaluation of Physician Satisfaction and Attitude Scale with Electronic Medical Records in Saudi Arabia	2012
4.	Dr. Adel Yousef (PI) Dr. Samih Mouktar Dr. Hana Alharthi	Accuracy of the Charlson Comorbidity Index Derived from Administrative Data: Hospital Discharge Abstract vs. Electronic Medical Records	2011

Professional Memberships

- Saudi Association of Health Informatics (SAHI)
Member, 2010-present
- Healthcare Information and Management Systems Society (HIMSS)
Member, 2008-present
- American Health Information Management Association (AHIMA)
2008-present

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1.	Healthcare database administration I	HIMT-225	Lectures
2.	Healthcare administration II	HIMT 318	Lectures

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3.	Intro. Healthcare applications	HIMT 317	Lectures
4.	Electronic health records		
4.	Graduation Project	HIMT 424	Project supervision
5.	Healthcare Informatics and Analytics	MQPS609	Lectures

Last Update

20/04/2022