

Personal Resume

Personal Information

First and Last Name: Ali Mohammadpour

Employment Status: Full-time Faculty Member, Hamadan University of Medical Sciences

Educational Department: Health Information Technology Department, Faculty of Paramedical Sciences, Hamadan University of Medical Sciences

Academic Rank: Associate Professor

Contact Number: 081-38381043

Address:

Health Information Technology Department, Faculty of Paramedical Sciences, Hamadan University of Medical Sciences, Shahid Fahmideh Boulevard, Hamadan, Iran. Postal Code: 6517838736

Email:

al.mohammadpour@umsha.ac.ir

mohammadpur2000@gmail.com



Educational Information

Specialized (Ph.D.)

Degree: Ph.D. in Health Information Management, Shahid Beheshti University of Medical Sciences

Thesis or Dissertation Title: *Developing a General Framework for the National Health Information Network of Iran*

Year of Graduation: 2015

Master's Degree

Degree: M.Sc. in Medical Records

Iran University of Medical Sciences

Thesis Title: *A Comparative Study of the Ministry of Health Hospital Standards with the International Standards of the Joint Commission in the United States*

Year of Graduation: 2006

Bachelor's Degree

Degree: B.Sc. in Medical Records

Iran University of Medical Sciences

Year of Graduation: 2004

Executive Records

- Director of HIT Department, Hamadan University of Medical Sciences (2011–Present)
 - Faculty Member, Zahedan University of Medical Sciences (2006–2010)
 - Director of Educational Development Office (EDO), Faculty of Paramedical Sciences
 - Secretary of the Responsive Education and Evaluation Committee (EDC)
 - Member of Educational Evaluation Committee (EDC)
 - Member of Faculty Cultural Committee
 - Examination Coordinator, Faculty of Paramedical Sciences
 - Member of Educational Supervision Committee
 - Experience in Shohada Yaft-Abad Hospital, Tehran
 - Experience in Bahman Hospital, Tehran
-

Membership in Local, Provincial, National and International Associations and Societies

- Student Member, American Health Information Management Association (AHIMA)
 - Member of Educational Development Center (EDC) Committees
-

Educational Records

- Teaching undergraduate and postgraduate Health Information Technology courses.
- Curriculum development and internship supervision.
- Designing educational workshops on ICD-10, ICD-11, Medical Coding, Health Information Systems and Health Information Management.

Teaching Records

Teaching at:

- Hamadan University of Medical Sciences
- Zahedan University of Medical Sciences
- Shahid Beheshti University of Medical Sciences
- Islamic Azad University

Courses include:

- ICD-10 and ICD-9-CM Coding
- Medical Terminology
- Health Information Systems
- Health Information Management
- Health Data Management
- Health Statistics
- Medical Records
- Information Technology
- Hospital Management
- Professional English
- Research Methodology

Theses

- Mapping COVID-19 Patient Deaths Based on Death Certificates: A Study at Besat Hospital

- Relationship between Quality of Work Life and Life Expectancy among Medical Interns and Residents (Second Supervisor)
- Epidemiology of Violence and Assault Cases in Besat Hospital (Second Supervisor)
- Feasibility of Telemedicine Implementation in Hamadan Hospitals
- Design of a Diagnostic Self-assessment System (Scientific Advisor)
- Outcomes of Common Cancer Surgeries Using GBS3 Software
- Occupational Stress and Burnout among Nurses during COVID-19

Research Background

Research Interests

- Health Information Systems
- National Health Information Network
- Artificial Intelligence in Healthcare
- Clinical Coding (ICD-10 & ICD-11)
- Hospital Information Systems
- Electronic Health Records
- Clinical Documentation Improvement
- Health Data Analytics
- Patient Safety
- Digital Health

Published Books

- Mortality Coding Based on ICD-10 , ARSHADAN Publication
- Health Information Management , ARSHADAN Publication

Published Articles

More than **40 scientific papers** published in national and international journals indexed in **Web of Science, Scopus, PubMed, and Google Scholar**.

Selected publications include:

- Developing a General Framework for National Health Information Network

- Hospital Information Systems: Systematic Review
- Hospital Information Systems in the Middle East
- Ranking and Selecting Hospital Information Systems Using TOPSIS
- Challenges of Electronic Prescribing
- Virtual Reality in Cardiac Diseases
- Artificial Intelligence Applications in Healthcare
- COVID-19 Mortality Mapping
- Five-Year Mortality Analysis in Western Iran
- Evaluation of Hospital Risk Management
- Educational Needs Assessment of Health Information Professionals
- Health Information Technology and Patient Safety
- Deep Learning for Acute Lymphoblastic Leukemia Diagnosis
- National Health Information Network Architecture
- Health Information Technology in Clinical Care
- Medical Documentation Improvement
- Violence-related Injuries in Emergency Departments
- Machine Learning Applications in Health Care

Research Projects

- Five-Year Trend of Traffic Accident Injuries in Besat Hospital
- Determinants of Infant Mortality Using Machine Learning
- Challenges of ICD-11 Implementation in Healthcare Centers
- Ranking Hospital Information Systems Using TOPSIS
- Five-Year Mortality Analysis in Hamadan Province
- Educational Needs Assessment of Health Information Professionals
- Accreditation Standards and Medical Documentation
- COVID-19 Death Mapping
- Effect of Resilience Training on Mothers of Children with Cancer
- AI-based Prediction of End-Stage Renal Disease
- AI-based Prediction of Stroke Mortality
- Gastric Cancer Mortality Prediction Using Machine Learning

- Electronic Appointment System Evaluation
- Internship Education Evaluation
- Virtual Reality in Cardiovascular Diseases
- Health Literacy Systems
- Artificial Intelligence-Based Leukemia Diagnosis
- Risk Management in Educational Hospitals
- COVID-19 Dashboards
- Virtual Education During COVID-19
- Electronic Health Record Readiness

Participation in Conferences and Meetings

Presented numerous oral and poster presentations at national and international conferences including:

- National Health Information Management Congress
- Medical Informatics Congress
- International Congress of Forensic Medicine
- Medical Law Congress
- National Health Management Congress
- Clinical Governance Conferences
- Risk Management Conferences
- Health Information Technology Conferences
- Disaster Management Congress
- Medical Documentation Conferences
- Disease Registry Congress
- Health Information Network Conferences
- Educational Development Conferences

Including presentations on:

- National Health Information Network
- Hospital Information Systems
- Clinical Coding
- Medical Documentation

- Patient Rights
- Health Information Standards
- GIS in Healthcare
- Risk Management
- Electronic Health Records
- Clinical Governance
- Artificial Intelligence in Healthcare
- Disease Registries