



Asghar Ehteshami

Curriculum vitae



Personal Information

Gender	Male	Email	Ehteshami@mng.mui.ac.ir
Date Of Birth	29/9/1973	Lab Phone	+983137925154
Nationality	I.R.Iran		
Homepage	http://mng.mui.ac.ir		
Address	Associate Professor, No. 329, Department of Health Information Technology & Management, School of Management and Medical Information Sciences, Salamat Blv, Isfahan University of Medical Sciences, Hezar Jareeb St, Isfahan, Iran.		

Education

2019-2021	Post-Doctoral Fellowship: Assessment and Evaluation in Medical Sciences, Smart University of Medical Sciences, Tehran, Iran.
2017-2018	Post-Doctoral Fellowship: Advanced Qualification Course in Telemedicine and Telepharmacy, School of Medicinal Sciences and Health Products, University of Camerino (UNICAM), Italy.
2009-2013	PhD of Health Information Management, Department of Health Information Management, Iran University of Medical Sciences and Health Services, Tehran, Iran. Thesis Title: Developing Intensive Care Information System (ICIS) for Iran

Research Interests

Software Engineering	Mobile Health Applications Development Health Systems Development
Data Mining	Burn care data mining & AI
E-health	M-Health, Telemedicine, TeleHealth, Telepharmacy, E-Learning in Health sector, E-health foresight
Medical Informatics	HIS, Electronic Medical Records, Electronic Health Records, Health Information Systems Acceptance, Health Technologies Acceptance, Disease Registry

Research Experience (my research projects)

2025	<i>Evaluation of the Accuracy and Reliability of Chatbots in Providing Prenatal Care Information</i>
2025	<i>Design and Development of a Large Language Model (LLM) for Reading, Summarizing, and Generating Smart Reports from Physicians' Daily Notes on Hospitalized Patients – Special AI Grant</i>
2025	<i>Development of an Intelligent Chatbot for Education and Consultation on Pregnancy Care with Special AI Grant</i>
2025	<i>Resilience of Health Information Technology Systems in Crisis and War: A Systematic Review</i>
2025	<i>The Role of Information Systems in Strengthening Mental Health Resilience of Communities After Hydrological Disasters: A Systematic Review Study</i>
2025	<i>Application of Machine Learning Models in Cervical Cancer Diagnosis: A Systematic Review</i>
2025	<i>A Contextual Analysis of Telemedicine Policymaking in Iran</i>
2024	<i>Data Mining of Burn Registry Data from Imam Musa Kazim (AS) Hospital, Isfahan University of Medical Sciences: Predicting Mortality and Recovery Time in Burn Patients</i>
2023	<i>Identifying the factors affecting the distance between the burn and the start of treatment and their importance in children using the gradient decision tree technique</i>
2022	<i>Application of blockchain in telemedicine security and confidentiality: A systematic review</i>
2022	<i>Comparative Study of Virtual Clinic Applications and Proposing a Model for Iran</i>
2022	<i>Developing Teledermatology Guidelines for Iran</i>
2021	<i>Registration of burned inpatients in Imam Musa Kazem Academic Hospital, 2021-2024</i>
2021	<i>Developing a Telecare Program for Post-Discharge of Preterm Infants: A Mixed-Methods Study</i>
2021	<i>Investigation of Factors related to Burn Hospital Survival in Adolescents of Isfahan: A Retrospective Study Using Data Mining Technique</i>
2021	<i>Futurology of Telemedicine in Iran of 2031</i>
2021	<i>Designing a Model for Electronic Medical Record System of Isfahan's Mobarakeh Steel Company</i>
2020	<i>Survey the role of social networks in shaping people's attitudes towards Corona</i>
2020	<i>Usability testing of “Aryan”: Diabetes Self-care Mobile Application</i>
2020	<i>The Role of Social Networks in Shaping People’s Attitudes towards COVID-19 in Iran</i>
2020	<i>Developing the Prenatal Self-Care Mobile Application for Iranians</i>
2019	<i>Developing senior Citizens Self-care Mobile Application for Iran</i>
2018	<i>Developing Palliative care Mobile Application for Iran</i>
2018	<i>Developing Prostate Cancer Self-care Mobile Application for Iran</i>

2017	<i>Assessment of Barcode Technology Acceptance and Utilization in Health Information Management of Isfahan University of Medical Sciences' Academic Hospitals</i>
2017	<i>Survey on Legal Elements of Outsourcing Contracts for Health Information Management Services in Educational Hospitals of Isfahan University of Medical Sciences</i>
2017	<i>Developing medication reminder Mobile Application for Iran</i>
2017	<i>Developing Diabetes Self-care Mobile Application for Iran</i>
2017	<i>Developing strategies for development of telemedicine in Isfahan University of Medical Sciences</i>
2017	<i>Designing a Model for Gastric Cancer self-care mobile application for Iranians</i>
2017	<i>Developing Indicators of Benchmarking Hospital Information Systems of Ahvaz University of Medical sciences</i>
2016	<i>Assessment of the hospital information system in compliance with CCHIT standard at Isfahan University of Medical Sciences' academic hospitals</i>
2016	<i>Designing a Model for Skin Cancer self-care mobile application for Iranians</i>
2015	<i>Assessing Impact of Hospital Information System on Performance of Alzahra Academic Hospital, Isfahan</i>
2014	<i>Determining the Information Needs of Nursing Information System in Isfahan University of Medical Sciences</i>
2014	<i>Assessing impact of barcode technology in Isfahan University of Medical Science' academic hospitals</i>
2014	<i>Assessment of pharmaceutical computing skills of nurses in Isfahan University of Medical Sciences' academic hospitals and Proposing solution</i>
2014	<i>Investigating the performance of the intensive care units of al-Zahra subspecialty medical center using APACHE II, Isfahan</i>
2014	<i>Evaluation of Ophthalmologists' Awareness of Medical Information Documentation Principles and Application of these Principles by them at Feyz Academic Hospital, Isfahan</i>
2014	<i>Designing a framework for barcode medication administration for Iranian hospitals</i>
2014	<i>Designing a framework for a statistical information system for Iranian hospitals</i>
2014	<i>Information Security Management in Isfahan University of Medical Sciences' Academic Hospitals</i>
2013	<i>Comparative study on the National Renal Disease Registry in America, England, and Iran and proposing a Model for Iran</i>
2013	<i>Assessment of Patients' Information Security in Electronic Medical Records of Isfahan Oil Company' Polyclinic in Compliance with ISO/IEC 27001</i>
2013	<i>Assessing the Awareness of Physicians, Nurses and Pharmacy Personnel about Computerized Provider Order Entry System in Ayatollah Kashani Academic Hospital, Isfahan</i>
2013	<i>Developing Minimum Data Set for Intensive care services at Isfahan University of Medical Sciences' Academic hospitals.</i>
2012	<i>An evaluation of adherence to society of pharmacists' standards cares in pharmacy information systems in Iran</i>

2012	<i>Utilization Assessment of Radiology Information System Solution to Patient Safety Improvement</i>
2012	<i>Assistants Awareness of Teleconsultation in Isfahan AL-Zahra Hospital-2013</i>
2012	<i>Study of Complying with Principles of Burn Diagnosis Recording and coding in Imam Musa Kazim Hospital according to the ICD-10 instructions</i>
2012	<i>Study of Complying with Principles of Burn Diagnosis Recording and coding in Imam Musa Kazim Hospital according to the ICD-10 instructions</i>
2012	<i>Ophthalmologists' Awareness of Informed Consent and their Compliance to its Requirements-2013</i>
2012	<i>Awareness and Using of Medical Students About Mobile Health Technology in Clinical Areas</i>
2011	<i>Evaluating the Effectiveness of Inpatients Medical record information by Different Users at Al-Zahra Academic Medical Center in Isfahan</i>
2010	<i>Assessment of Medical Records Module of Health Information System According to ISO 9241-10</i>
2010	<i>Determining the relationship between nurses' knowledge about barcode medication administration technology and its implementation in al-Zahra Academic hospital in Isfahan</i>
2007	<i>Assessment of Health Information Managers' Knowledge about Total Quality Management Implementation in Isfahan University of Medical Sciences' Academic Hospitals</i>
2006	<i>Value Engineering in Villagers Insurance Covered by Iran Health Insurance Organization in Isfahan Province</i>
2006	<i>Survey of Emergency Information System Indices compliance in Isfahan University of Medical Sciences' Academic Hospitals</i>
2006	<i>Assessment of Depression in Medical Records Department Employees and Its Relationship with Individual and Occupational Conditions in Isfahan University of Medical Sciences' Academic Hospitals.</i>
2006	<i>Assessment of ergonomic status of medical records staff of Isfahan University of Medical Sciences' Academic hospitals.</i>

Awards and Honors

May 2008	<i>Top rank of the 1th educational festival (Shahid Motahari) of Isfahan University of Medical Sciences, Isfahan, Iran</i>
Dec 2008	<i>Top researcher, Research Festival of Isfahan University of Medical Sciences: Research-driven, flourishing and innovative media,</i>
May 2010	<i>Top rank of the 3th educational festival (Shahid Motahari) of Isfahan University of Medical Sciences, Isfahan, Iran</i>
May 2011	<i>Top rank of the 4th educational festival (Shahid Motahari) of Isfahan University of Medical Sciences, Isfahan, Iran</i>
Dec 2013	<i>Top researcher, Research Festival of Isfahan University of Medical Sciences, School of Management & Medical Information Sciences</i>

May 2014	<i>Top rank of the 7th educational festival (Shahid Motahari) of Isfahan University of Medical Sciences, Isfahan, Iran</i>
May 2015	<i>Top rank of the 8th educational festival (Shahid Motahari) of Isfahan University of Medical Sciences, Isfahan, Iran</i>
May 2017	<i>Top rank of the 10th educational festival (Shahid Motahari) of Isfahan University of Medical Sciences, Isfahan, Iran</i>

Technical Skills

Database Systems	<i>MS SQL Server, MS Access, Data Mining, Rapid miner</i>
Typography	<i>MS Word, WPS Offices</i>
OS	<i>Windows, Android</i>

Teaching

University	Courses	Start	End
Isfahan University of Medical Sciences (IUMS)	<i>Management and Implementation of Medical Informatics Systems</i>	2025	Yet
IUMS	<i>Artificial Intelligence in Health Information Systems</i>	2025	“
IUMS	<i>Advanced Technologies in Health Information Management</i>	2025	“
IUMS	<i>Health Information Systems Project Management</i>	2025	“
IUMS	<i>Human-Computer Interaction</i>	2025	“
IUMS	<i>Health Observatory and Monitoring Systems</i>	2024	“
IUMS	<i>Health Information Systems Evaluation Methods</i>	2024	“
IUMS	<i>Designing and Modeling of Health Information Systems</i>	2024	“
IUMS	<i>Health Information Management Research Seminar</i>	2024	“
IUMS	<i>Designing and Developing Health Information Systems</i>	2023	“
IUMS	<i>Digital Health</i>	2023	“
IUMS	<i>Application of health information technology</i>	2023	“
IUMS	<i>Health Information Technology</i>	2009	“

IUMS	<i>Health Information Management</i>	2008	“
IUMS	<i>Management of health information systems</i>	2008	“
IUMS	<i>Health information resources management</i>	2009	“
IUMS	<i>Legal aspects of medical records</i>	2008	“
IUMS	<i>SPSS</i>	2008	“
IUMS	<i>Medical records and hospital Statistics</i>	2008	“
IUMS	<i>Insurance and payment systems in health</i>	2008	“
IUMS	<i>Management of medical records department</i>	2008	“
IUMS	<i>Health Information Systems</i>	2008	“
IUMS	<i>EndNote</i>	2010	“
IUMS	<i>Scientific Writing</i>	2010	“
IUMS	<i>Management Information System in Health</i>	2012	“
IUMS	<i>Information Technology in Dentistry</i>	2014	“
IUMS	<i>Information Technology in Medical Librarianship</i>	2015	“
IUMS	<i>Medical Informatics</i>	2015	“
IUMS	<i>MS-Access</i>	2015	“
IUMS	<i>Health Indicator and analysis of health data</i>	2017	“
IUMS	<i>Information Technology for Nurses and Midwives</i>	2018	“

Publications (Articles)

1. Assessment of District Health Information System Evolution in Isfahan Province According to World Health Organization Framework. *Health Information Management* 2009; 6(2): 95. [In Persian]
2. Evaluation the Effectiveness of Inpatients Medical Record Information by Different Users at Al-Zahra Academic Medical Center in Isfahan. *Health Information Management* 2011; 7 (Special Issue 4):706. [In Persian]
3. Assessment of Ability of User education in Medical Records Module of Selected HIS in Isfahan University of Medical Sciences. *Iranian Journal of Medical Education*. 2011; 10 (5) :877-887. [In Persian]
4. A Proposed Model for Evaluating Modular Education. *Iranian Journal of Medical Education*. 2011; 10 (5) :566-577. [In Persian]
5. Evaluating the Medical Records Module of Selected HIS Software in Hospitals of Isfahan University of Medical Sciences According to ISO 9241-10. *Health Information Management* 2012; 9(4): 501. [In Persian]
6. Ophthalmologists' Awareness of Informed Consent and their Compliance with Its Requirements. *Med Arh*. 2013; 67(1): 31-35. Doi: 10.5455/medarh.2013.67.31-35.
7. Evaluation of Pharmacy Information Systems Performance in Educational, Private and Social Security Hospitals of Isfahan. *Health Inf Manage* 2013; 10(5): 664. [In Persian]
8. District Health Information System Assessment: A Case Study in Iran. *Acta inform med*. 2013 mar; 21(1): 30-35. Doi: 10.5455/aim.2012.21.30-35.
9. Assessment of Medical Records module of Hospital Information System according to ISO 9241-10. *Acta inform med*. 2013 mar; 21(1): 36-41. Doi: 10.5455/aim.2012.21.36-41.
10. The Role of Evaluation Pharmacy Information System in Management of Medication Related Complications. *Acta Informatica Medica*, 2013; 21(1):26-29.
11. Awareness and Using of Medical Students About Mobile Health Technology in Clinical Areas. *Acta Informatica Medica*, 2013; 21(2):109-112.
12. Intensive Care Information System Impacts. *Acta Informatica Medica*, 2013 Sep; 21(3): 185-191.
13. Evidence Based Medicine: Going Beyond Improving Clinical Residents Viewpoints, Using and Challenges Upcoming. *Acta Informatica Medica*, 2013; 21(3):148-155.
14. A Study of Resident's Attitude, Knowledge and Barriers towards the Use of Evidence Based Medicine. *International journal of Health System and Disaster Management*, 2013; 1(1):38-42.
15. Assistants Awareness of Teleconsultation in Isfahan AL-Zahra Hospital. *International Journal of Health System and Disaster Management*, 2013; 1(2):105-108.
16. Study of Complying with Principles of Burn Diagnosis Recording and coding in Imam Musa Kazim Hospital according to the ICD-10 instructions. *International Journal of Health System and Disaster Management*, 2013; 1(2):78-84.
17. Computerized Provider Order Entry System (CPOE): Solution to Improve Patient Safety. *International Journal of Health System and Disaster Management*, 2013; 1(3): 59-62.
18. The Role of Health Information Technology in Reducing Preventable Medical Errors and Improving Patient Safety. *International Journal of Health System and Disaster Management*, 2013; 1(4):195-199.
19. Utilization Assessment of Radiology Information System: Solution to Patient Safety Improvement. *International Journal of Health System and Disaster Management*, 2014; 2(1):15-21.

20. Comparative study on the National Renal Disease Registry in America, England and Iran. *Journal of Education and Health Promotion*, 2014; 3(June):31-34.
21. Evaluation of Pharmacy Information System in Teaching, Private and Social Services Hospitals in 2011. *Journal of Education and Health Promotion*, 2014; 3(April):36-41.
22. BarCode Medication Administration and Patient Safety: A Case Study in Iran. *International Journal of Health System and Disaster Management*, 2014;2(3):186-191.
23. Information Security Management in Isfahan University of Medical Sciences 'Academic Hospitals in 2014. *International Journal of Health System and Disaster Management*, 2014;2(3):175-179.
24. Toward a framework of statistical information system for Iranian hospitals. *International Journal of Health System and Disaster Management*, 2015;3(2):103-108.
25. Hospital Information System Assessment in Compliance with CCHIT Standard at Isfahan University of Medical Sciences' Academic Hospitals. *International Journal of Educational and Psychological Researches. Int J Educ Psychol Res.* 2016; 2:105-10.
26. An evaluation of adherence to society of pharmacists' standards care in pharmacy information systems in Iran. *Indian Journal of Pharmacology.* 2015; 47(2): 190-194.
27. Barcode Technology Acceptance and Utilization in Health Information Management Department at Academic Hospitals, According to Technology Acceptance Model. *Acta Inform Med.* 2017 Mar; 25(1): 4–8.
28. Developing the Medication Reminder Mobile Application "Seeb". *ACTA INFORM MED.* 2017 JUN; 25(2): 108-111.
29. A Survey on Legal Elements of Outsourcing Contracts for Health Information Management Services in Educational Hospitals of Isfahan University of Medical Sciences, Iran. *Health Inf Manage* 2017; 14(4): 150-4. [In Persian]
30. *Health Information Management Psychological factors influencing information privacy concerns in psychiatric hospitals.* *BALI MEDICAL JOURNAL.* 2018;7(1):1-7.
31. Developing "Aryan:" Diabetes Self-care Mobile Application. *Int J Prev Med.* 2019;10.
32. Key Performance Indicators of Benchmarking in Hospital Information Systems. *Health Inf Manage* 2018; 15(1): 3-11. [In Persian]
33. Formulating Telemedicine Strategies in Isfahan University of Medical Sciences. *Acta Inform Med.* 2018 JUN; 26(2): 156-162.
34. A Contribution into Developing a Model for Prostate Cancer Self-Care Mobile Application. *Med Arch.* 2018 OCT; 72(5): 344-347.
35. Developing Ghasedak: a Mobile Application to Improve the Quality of Cancer Palliative Care. *Acta Informatica Medica.* 2019;27(1):19
36. The role of virtual social networks in shaping people's attitudes towards COVID-19 in Iran. *J Edu Health Promot* 2021;10:90.
37. Functionality of self-care for pregnancy mobile applications: A review study. *J Edu Health Promot* 2022; 11:415.
38. Tele Homecare in Premature Infants' Post-Discharge Early Follow-Up: A Narrative Review. *Home Health Care Management & Practice.* 2023 May;35(2):129-39.
39. Telehealth experiences of mothers of hospitalized and discharged preterm infants in Islamic Republic of Iran. *East Mediterr Health J.* 2023; 29(5):309–316.
<https://doi.org/10.26719/emhj.23.055>.
40. Mothers' views on mobile health in self-care for pregnancy: A step towards mobile application development. *Journal of Education and Health Promotion*, 2023, 1: 308.

41. Tele Homecare in Premature Infants' Post-Discharge Early Follow-Up: A Narrative Review. Home Health Care Management & Practice, 2023, 35.2: 129-139.
42. Development of a post discharge telecare program for premature infants in Covid 19 era: Protocol for a mixed methods study. Journal of Education and Health Promotion, 2023, 12.1: 261.
43. Virtual Reality Applications for Patients with Hemophilia: A Review. Journal of Biomedical Physics & Engineering, 2023, 13.
44. Mobile Applications for Self-care of Celiac Diseases: A Review. Journal of Biomedical Physics & Engineering, 2023, 13.
45. Functional and nonfunctional requirements of virtual clinic mobile applications: a systematic review. 2024;2024(1):7800321.
46. A Scoping Review of Cloud Computing Solutions in Enhanced Dialysis Information Exchange. 2024.
47. Framework for key benchmarking indicators in hospital information system. 2025;25(1):213.
48. Investigating the effective factors on telemedicine in Iran of 2030: A futuristic approach. 2025;14(1):168.
49. A Model for Virtual Clinic Mobile Apps (VCMA) in Iran: Extracting, Developing, and Validity Determination with Delphi. 2025;7:1533156.
50. Effects of Telenursing on Breastfeeding Self-efficacy, Infant Weight and Readmission to Neonatal Intensive Care Units in Mothers of Premature Infants. 2025;38:0-.
51. A Strategic Framework for Developing a Post-discharge Follow-up Program for Premature Infants in Iran. 2024;37(149):274-91.
52. Healthcare Professionals' Perspectives on Telecare Follow-up for Premature Infants: A Qualitative Content Analysis. 2024;15(2):153-67.
53. Extracting Hidden Patterns of Iranian User Trust in Social Networks Regarding Coronavirus Disease 2019 Using Data Mining Techniques. 2024;13(1):11.
54. Investigating the Effect of Telenursing Program on Maternal Breastfeeding Self-Efficacy, Infant Weight Gain and Rehospitalization in Premature Infants: A Quasi-Experimental Study. 2025;38:0-.
55. A strategic framework for the development of a Follow-Up Program After Discharge of Premature Infants. 2024;37(149):0-.
56. Predicting the Survival or Death of Burn Patients Using Data Mining Techniques. 2024;26(1).

Executive			
Department/Center	Responsibility	Start	End
Isfahan University of Medical Sciences (IUMS), ICT Department	Head of Hardware Affairs	1997	2000
IUMS, General Hospital	Hospital Manager	2000	2005
Ministry of Health	Deputy Secretary, Health System Managers Empowerment Center	2005	2007

Ministry of Health	<i>Teacher, Health System Managers Empowerment Courses</i>	2005	2007
IUMS	<i>Hospital accreditation surveyor</i>	2005	2011
IUMS, Al-zahra Hospital	<i>Head of Health information Technology & Health Information Management Deparment</i>	2008	2009
IUMS, School of Health Management and Medical Information Sciences	<i>Vice chacellor</i>	2013	2018
Ministry of Health	<i>Board Member, National Board of Health Information Management & Medical Informatics</i>	2018	Yet
Ministry of Health	<i>Board Member, National Board of Artificial Intelligence in Medical Sciences</i>	2024	Yet
Ministry of Health	<i>Head of National Board of Medical Informatics</i>	2023	2024
Ministry of Health	<i>Deputy Secretary, National Board of Health Information Technology</i>	2024	2025
Ministry of Health	<i>Member of Educational Measurement, Admission, and Tests Committee</i>	2025	Yet
IUMS	<i>Member of Academic Members promotion Commitee</i>	2022	Yet
Academy of Medical Sciences of Iran	<i>Member of Digital Health Commitee</i>	2023	Yet
Ministry of Health	<i>Member of Iranian Health information Managemet Association</i>	2005	Yet
Ministry of Health	<i>Member of Iranian Electronic Health Association</i>	2005	Yet