Curriculum Vitae

Amirabbas Azizi

Assistant Professor of Medical Informatics
Department of Health Information Technology
School of Allied Medical Sciences
Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran

Home Address: Koye Ostadan, Golestan, Jundishapur University of Medical Sciences, Ahvaz, Iran.
Postal Code: 6135715732
Phone (Cell): +98 9151582360
E-mail: amirabbasazizi@gmail.com

Websites:

https://isid.research.ac.ir/Amirabbas_Azizi

https://scholar.google.com/citations?hl=en&user=z1JqKcEAAAAJ&view_op=list_works&sortby=pubdate

https://orcid.org/0000-0003-1679-9753

General Information

Gender: Male
Birth Date: 21th September 1981
ID Card: 3253918211
Place of Birth: Kermanshah, Iran
Marital Status: Married, No children
H-index: **5** (Scopus); **14** (Google Scholar)

Educational Background

➢ **PhD, Medical Informatics**, Mashhad University of Medical Sciences, Mashhad, Iran
Sep 2011-July 2016.

Dissertation Title: "Evaluating the Effect of Web-Based Iranian Diabetic Personal Health Record App on Self-Care Status and Clinical Indicators: Randomized Controlled Trial".
Supervisor: Prof. Mahmood Tara

➤ **MSc, Medical Records** (This field changed its name to health information technology in 2009). Iran University of Medical Sciences, Tehran, Iran.   Sep 2004-Sep 2006

Thesis Title: "Comparison of medical records system of teaching hospitals of Iran, Tehran and Shahid Beheshti universities of medical sciences with the criteria of American College of Physicians**". Supervisor:** Prof. Abazar Hajavi

➤ **BSc, Medical Records.** Shahid Beheshti University of Medical Sciences, Tehran, Iran Sep 2001-Sep 2003.

➤ **Associate degree, Medical Records.** Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran.   Sep 1999-Sep 2001

Employment

Assistant Professor, Medical Informatics, Department of Health Information Technology, School of Allied Medical Sciences, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, **Since 23 Sep. 2007-Present**.

Research Interests

➤ Telehealth
  - Teledermatology
  - Telepathology
  - Teleconsultation
  - Telepsychology
  - Televisit
  - Remote Patient Monitoring/ RPM
  - Mobile Health/ mHealth
➤ Human-Computer Interaction (The techniques of usability evaluation)
  - Usability Heuristics
  - Think Aloud Protocol/ TAP
  - Cognitive Walkthrough
➤ Design and Evaluation of Health Information Systems
  - Personal Health Record/ PHR
  - Computerized Provider Order Entry/ CPOE
  - Electronic Health Record/ EHR
  - Decision Support Systems/ DSS
  - Diseases and Health Outcomes Registry Systems
  - Hospital Information Systems/ HIS

Publications (Journal Papers)

1.   Darabi Z, Araban M, **Azizi A**, Angali KA, Borazjani F. The Effectiveness of a Mobile Phone Education Method Based on Self-efficacy and DASH Diet Among Patients with High Blood Pressure: A Randomised Controlled Trial. Jundishapur Journal of Chronic Disease Care. 2024;13(1).

2.   Kaboutarizadeh L, Kordi M, Koohmare Z, Hosseini SM, **Azizi A (Coreesponding Author)**. Developing a Native Model for Evaluating the Usability of Health Information Systems Through Heuristic Evaluation Technique. Journal of Health and Biomedical Informatics. 2023;9(4):304-24.

3.   Dehghan MJ, **Azizi A (Coreesponding Author)**. A Hybrid Intelligent Approach to Breast Cancer Diagnosis and Treatment Using Grey Wolf Optimization Algorithm. Jundishapur Journal of Natural Pharmaceutical Products. 2023;18(4).

4.   Ahmadi FB, Dehghan MJ, Baharvand V, **Azizi A (Coreesponding Author)**. Designing and Evaluating a Smartphone-Based Cognitive Behavioral Therapy to Control Anxiety and Depression. Frontiers in Health Informatics. 2023;12:136.

5.   Zarei J, Izadi M, **Azizi A**, Nouhjah S. Early Prediction of Gestational Diabetes Using Decision Tree and Artificial Neural Network Algorithms. Iranian Journal of Endocrinology and Metabolism. 2022;24(1):1-11.

6.   Kordi M, Dehghan MJ, Shayesteh AA, **Azizi A (Coreesponding Author)**. The impact of artificial intelligence algorithms on management of patients with irritable bowel syndrome: A systematic review. Informatics in Medicine Unlocked. 2022;29:100891.

7.   Kaboutari-Zadeh L, Azizi Ahmad, Ghorbani A, **Azizi A (Coreesponding Author)**. Designing and evaluating a mobile personal health record application for kidney transplant patients. Informatics in Medicine Unlocked. 2022;30:100930.

8.   Azizi A, Maniati M, Ghanbari-Adivi H, Aghajari Z, Hashemi S, Hajipoor B, Qolami A, Qolami M, **Azizi A (Coreesponding Author).** Usability evaluation of hospital information system according to heuristic evaluation. Frontiers in Health Informatics. 2021;10(1):69.

9.   **Azizi A**, Badvi S, Rashidi, S, Bavir M, Barati R, Zandi S, Ghasemi H, Azizi Ahmad. The Study on Confidentiality of Electronic Archive of Medical Records in Khuzestan Province and Providing a National Model. Jundishapur Scientific Medical Journal. 2021;19(6):515-22.

10.   Moghaddasi H, Mohammadpour A, Bouraghi H, **Azizi A**, Mazaherilaghab H. Hospital Information Systems: The status and approaches in selected countries of the Middle East. Electronic physician. 2018;10(5):6829.

11.   Shirazi-Mehrabad M, Sharif-Moghaddam H, Kimiafar K, **Azizi A**. A Comparative Study of Structural Features of Medical Bibliographic Databases: MedLib, Barakat Knowledge Network System, Irandoc, SID, Magiran and PubMed based on Gulliver Criteria. Journal of Payavard Salamat. 2017;11(4):450-9.

12.   Rahimi-Alami M, Nemayande M, Yousefianzadeh O, Samadbeik M, **Azizi A**, Motaghedi R, et al. Personal Electronic Health Record for Patients with Diabetes; Health Technology Assessment Protocol. Internal Medicine and Medical Investigation Journal. 2017;2(4):132-8.

13.   **Azizi A**, Aboutorabi R, Mazloum-Khorasani Z, Hoseini B, Mahmood T. Diabetic personal health record: a systematic review article. Iranian journal of public health. 2016;45(11):1388.

14.   **Azizi A**, Aboutorabi R, Mazloum-Khorasani Z, Afzal-Aghaea M, Tara M. Development, validation, and evaluation of Web-based Iranian Diabetic Personal Health Record: rationale for and protocol of a Randomized Controlled Trial. JMIR Research Protocols. 2016;5(1):e5201.

15.   **Azizi A**, Aboutorabi R, Mazloum-Khorasani Z, Afzal-Aghaea M, Tabesh H, Tara M. Evaluating the effect of web-based Iranian diabetic personal health record app on self-care status and clinical indicators: randomized controlled trial. JMIR medical informatics. 2016;4(4):e6433.

16.   Atashi A, Khajouei R, **Azizi A**, Dadashi A. User Interface Problems of a Nationwide Inpatient Information System: A Heuristic Evaluation. . Applied Clinical Informatics. 2016;7:89–100.

17.   Kimiafar K, Sarbaz M, Sheikhtaheri A, **Azizi A**. The impact of management factors on the success and failure of health information systems. Indian Journal of Science and Technology. 2015;8(27).

18.   Kamali Yousef Abad M, Tara SM, Mouhebati M, **Azizi A**, Kiani B, Hasibian MR. Designing and Evaluation of the Local Cardiovascular Terms Coding System Based on Concept Mapping. Journal of Health and Biomedical Informatics. 2015;1(2):83-94.

19.   Jangi M, **Azizi A**, Kamali Yousef Abad M, Tara SM. Systematic design of the minimum data set storage: an essential need to create purposed for archiving. Journal of Health and Biomedical Informatics. 2015;1(2):113-21.

20.   Zarei J, **Azizi A**, Keshavarz K, Seyavashi E. The survey of deductions applied by Medical Services and Social Security Insurances on patient bills at teaching hospitals affiliated to Ahvaz Jundishapur University of Medical Sciences. journal of health information management. 2014;10(6):24-37.

21.   Nabovati E, **Azizi A**, Abbasi E, Vakili-Arki H, Zarei J, Amirreza R. Using Data Mining to Predict Outcome in Burn Patients: A Comparison Between Several Algorithms. journal of health information management. 2014;9(5):789-99.

22.   **Azizi A**, Hasibian M, Tara M. Systematic Review of Factors Affecting Acceptance of Electronic Health Records. Journal of Medical Council of Islamic Republic of Iran. 2014;31(4):307-16.

23.   Mohammadi A, **Azizi A**, Cheraghbaigi R, Mohammadi R, Zarei J, Valinejadi A. Analyzing the Deductions Applied by the Medical Services and Social Security Organization Insurance toward Receivable Bills by University Hospitals of Khorramabad, Iran. journal of health information management. 2013;10(2):172-80.

24.   Khajouei R, **Azizi A**, Atashi A. Usability Evaluation of an Emergency Information System: A Heuristic Evaluation. journal of health administration. 2013;16(52):61-72.

25.   **Azizi A**, Zarei J, Nabovati E, Vakili-Arki H, Abbasi E, Razavi A. Determining of the Factors Affecting Mortality in Burn Patients Using a Decision Tree Data Mining Algorithm. journal of health administration. 2013;16(54):34-45.

26.   **Azizi A**, Abdolkhani R. The case study of effect of Hospital Information System in improvement of Razi hospital performance. Jentashapir Journal of Health Research. 2012;2(4):185-90.

27.   **Azizi A**, Safari Shahla MA, Kheirol J, Shojaei-Baghini M. A Survey on the Satisfaction Rate of Users about the Quality of Hospital Information System in Hospitals Associated with Kermanshah University of Medical Sciences. Health Information Management. 2011;8(4):566-71.

28.   **Azizi A**, Hajavi A, Haghani H, Shojaei Baghini M. Respect Rate of Hospital Information System Criteria of American College of Physicians in Educational Hospitals of Iran, Tehran and Shahid Beheshti Medical Sciences Universities*. Health Information Management. 2010;7(3):329-3.

29.   **Azizi A**, Azizi Ahmad, Zarei J. Study on Medical Records Departments Function of Hospitals Related to Ahvaz Jundishapur University of Medical Sciences. Jundishapur Scientific Medical Journal. 2010;9(6):615-23.

30.   Hajavi A, Shojaei-Baghini M, Haghani H, **Azizi A**. Crisis management in medical records department in Kerman and borujerd teaching hospitals; 2006 (Providing Model). Journal of Health Administration. 2009;12(35):9-16.

31. **Azizi A**, Torabipour A, Safari S, Mohhamadi A, Kheirollahi J, Shojaei-Baghini M. Assessment of Medical Records Department Performance in Kermanshah Educational Hospitals; 2007; Iran. Journal of Health Administration. 2009;12(37):17-22.

Publications (Conference Papers)

1. Parandeh R, Pazyar N, **Azizi A (Coreesponding Author)**. Design and evaluation of mobile-based teledermatology system for diagnosis of skin lesions. Shiraz International Congress on Mobile Health; Shiraz, Iran;: Journal of Biomedical Physics & Engineering; 2023. p. 163.

2. Kordi M, Dehghan MJ, Shayesteh AA, **Azizi A (Coreesponding Author)**. A novel approach to differential diagnosis of irritable bowel syndrome (IBS) using a diagnostic clinical decision support system (CDSS): development and evaluation of proposed mode. Shiraz International Congress on Mobile Health; Shiraz, Iran;2023.

3. Kaboutarizadeh L, Ghorbani A, **Azizi A (Coreesponding Author)**. Developing the minimum date set for designing kidney transplant personal health records (KTPHR) applications. Shiraz International Congress on Mobile Health; Shiraz, Iran;2023.

4. Kaboutarizadeh L, Ghorbani A, **Azizi A (Coreesponding Author)**. Evaluating the impact of improving self-care of care of kidney transplant personal health records (KTPHR) applications. Shiraz International Congress on Mobile Health; Shiraz, Iran;2023.

5. Abdolahi M, Zahedian M, Saeedi M, **Azizi A (Coreesponding Author)**. The Evaluation of Mobile Health Application in Natural Disaster Management. Shiraz International Congress on Mobile Health; Shiraz, Iran;2023.

6. Savari M, Azizi A, **Azizi A**, Farmarzi A, Nademi F, Farhadifar M. Application of Medical Gamification in improving patients' health. The fourth conference on information technology and health promotion with a focus on smart health; Iran;2021.

7. Darabi Z, Araban M, **Azizi A**, Angali KA, Borazjani F. The usefulness of mobile Application education-based on self-efficacy and dietary fiber among patient with high blood pressure: a randomized controlled trial. The fourth international congress on mobile health; Shiraz, Iran;: Journal of Biomedical Physics & Engineering; 2021.

8. Darabi Z, Araban M, **Azizi A**, Ahmadi K, Borazjani F. Using mobile phone education-based on DASH diet among patient with high blood pressure: a randomized controlled trial. The fourth international congress on mobile health; Shiraz, Iran;2021.

9. Borazjani F, **Azizi A**, Eslami K, Angali KA, Behbahani HB. The use of mobile Apps to educate and improve student learning of Dietary Glycemic index. The fourth international congress on mobile health; Shiraz, Iran;: Journal of Biomedical Physics & Engineering 2021. p. 98-.

10. Kordi M, **Azizi A (Coreesponding Author)**. Smart shoes: A new technology for smart monitoring and evaluation of patient gait and disease diagnosis. The third international congress of telemedicine Iran; electronic or in-person visit; Tehran, Iran;2019.

11. Kaboutarizadeh L, **Azizi A (Coreesponding Author)**. The Impact of Health Literacy on Self-care in Patients with Diabetes Type 2. The second national congress of non-communicable diseases; Fasa, Iran;2019.

12. Savari E, Khajavi N, Torabipoor A, **Azizi A**. effect of interventions relative to improve process of complete and arrangement of inpatients medical records in Sina hospital. The Study on Usability of Admission, Discharge, Transfer Information System in Ahvaz hospitals according to Nielsen's 10 Usability Heuristics; Ahvaz, Iran;2018.

13. Rabiee A, Ghanbari H, Aghajari Z, Hajipoor B, Gholami M, Hashemi S, et al **Azizi A (Coreesponding Author)**. The Study on Usability of Admission, Discharge, Transfer Information System in Ahvaz hospitals according to Nielsen's 10 Usability Heuristics. The sixth national congress of health information management with the approach of developing hospital information systems, advances and opportunities; Ahvaz, Iran;2018.

14. Kordi M, **Azizi A (Coreesponding Author)**. designing and building a registry system for data collecting of patients with cancers for implementation in hospitals and clinics with oncology specialty. The second international congress of disease registry and health outcomes; Tehran, Iran;2018.

15. Kaboutarizadeh L, **Azizi A (Coreesponding Author)**. Personal Health Records of Renal Patients: A Tool for Self-Care and Empowerment of Renal Patients. The Study on Usability of Admission, Discharge, Transfer Information System in Ahvaz hospitals according to Nielsen's 10 Usability Heuristics; Ahvaz, Iran;2018.

16. Hashemi S, Gholami M, Mortajez S, Rabiee A, Aghajari Z, Hajipoor B, et al **Azizi A (Coreesponding Author)**. Usability Evaluation of Health Information Management System in Ahvaz Hospitals. The sixth national congress of health information management with the approach of developing hospital information systems, advances and opportunities; Ahvaz, Iran;2018.

17. Azizi A, Ghanbari H, Rabiee A, Aghajari Z, Hajipoor B, Gholami M, et al **Azizi A (Coreesponding Author)**. Usability Evaluation of Hospital Information System in Ahvaz Hospitals according to Nielsen's 10 Usability Heuristics. The sixth national congress of health information management with the approach of developing hospital information systems, advances and opportunities; Ahvaz, Iran;2018.

18. Azizi A, **Azizi A**, Aghajari Z, Hajipoor B, Rabiee A, Ghanbari H, et al. The Study on Usability of Nursing Information System in Ahvaz hospitals. The Study on Usability of Admission, Discharge, Transfer Information System in Ahvaz hospitals according to Nielsen's 10 Usability Heuristics; Ahvaz, Iran;2018.

19. Kamali M, Kamali S, **Azizi A**, Mahmoodian SS. Evaluation of Staff Knowledge Regarding the Charter of Patient Rights in Educational Hospitals of Mashhad University of Medical Sciences. The first national congress of medical informatics; Iran;2017.

20. Kamali M, **Azizi A**, Mahmoodian SS, Kamali S. Awareness of Patients' bills of Rights among Medical Staff in Mashhad Medical University teaching Hospitals. The first national congress of medical informatics; Mashhad, Iran;2017. p. 96-7.

21. Hoseini B, Tara M, Kiani B, **Azizi A**. Towards developing an integrated index of access to dialysis facilities: A systematic review: Array. the First International Congress of Diseases and Health Outcomes Registry and First National Congress of Medical Informatics Mashhad, Iran;: Medical Technologies Journal; 2017. p. 93.

Publications (Persian Books)

1- Comprehensive textbook of medical records (summary of lessons)

 Khalil Kimiafar, **Amirabbas Azizi**, Alireza Hajizadeh, 2005.

2- Comprehensive textbook of medical records (classified tests)

 Amirabbas Azizi, Khalil Kimiafar, Alireza Hajizadeh, 2005.

3- Reference writing guide using reference manager software

 Mojtaba Sepandi, Hosseini Abedin, **Amirabbas Azizi**, Maryam Taqdir

4- Comprehensive bank of classified questions on health information management and technology

 Mostafa Kamali, **Amirabbas Azizi**

5- Data quality management in health information systems

Amirabbas Azizi, Mostafa Kamali, Zeinab Shajirat

6- Top tips for health informatics

Mostafa Kamali, **Amirabbas Azizi**

Supervision of thesis (Studying and Graduated Students)

1. Design and evaluation of breastfeeding decision support system to improve the self-care status of nursing mothers.
   Mahla Navaser (Student), Zeinab Shajirat (Advisor), Zeinab Shakeri (Advisor), **Amirabbas Azizi (Supervisor)**, 2023 (Studying).
2. Development of a smart phone Application based on DASH diet to enhance self-efficacy among people with high blood pressure referring to health centers Ahvaz.
   Zahra Darabi (Student), Marzieh Araban (Advisor), **Amirabbas Azizi (Advisor)**, Kambiz Ahmadi (Advisor), Fatemeh Borazjani (Supervisor), 2022 (Graduated).
3. Design and evaluation of functional dashboard of health information management department in educational hospital.
   Fatemeh Forghani (Student), **Amirabbas Azizi (Advisor)**, Ahmad Azizi (Supervisor), 2023 (Studying).
4. Design and evaluation of performance dashboard in information technology department of educational hospitals at Ahvaz.
   Mina Najarpoor (Student), **Amirabbas Azizi (Advisor)**, Ahmad Azizi (Supervisor), 2023 (Studying).
5. Design and Evaluation of Intelligent Mobile-based Cognitive Behavior Therapy System to Control Anxiety and Depression.
   Fatemeh Baharvand (Student), Mohammad Jafar Dehghan (Advisor), Vahid Baharvand (Advisor), **Amirabbas Azizi (Supervisor)**, 2022 (Graduated).
6. Predicting the deletion mutation state of alpha globin genes in alpha thalassemia patients by machine learning.
   Elmira Mohammadi (Student), Amir Jamshidnejad (Advisor), Mohsen Rastegar (Advisor), **Amirabbas Azizi (Supervisor)**, 2023 (Studying).
7. A Predictive Model for Diagnosis of Gestational Diabetes Using Artificial Intelligence Algorithms.
   Mahdieh Izadi (Student), **Amirabbas Azizi (Advisor)**, Sedigheh Nohjah (Advisor), Javad Zarei (Supervisor), 2022 (Graduated).
8. Design and evaluation of mobile-based teledermatology system for diagnosis of skin lesions.

Ronak Parandeh (Student), Zeinab Shajirat (Advisor), Nader Pazyar (Advisor), **Amirabbas Azizi (Supervisor)**, 2023 (Graduated).

9. Development and evaluation of clinical decision support system for the diagnosis of irritable bowel syndrome (IBS).
Marzieh Kordi (Student), Mohammad Jafar Dehghan (Advisor), Ali Akbar Shayesteh (Advisor), **Amirabbas Azizi (Supervisor)**, 2021 (Graduated).

10. Study on the Medical Errors in Karoon Sina Hospital using Root Cause Analysis (RCA) technique and to suggest effective interventions.
Neda Khajavi (Student), Efat Jahanbani (Advisor), **Amirabbas Azizi (Advisor)**, Amin Torabipoor (Supervisor), 2021 (Graduated).

11. Development and Evaluation of Mobile-based Personal Health Record for Kidney Transplants Patients
Leila Kabootarizadeh (Student), Ahmad Azizi (Advisor), Ali Ghorbani (Advisor), **Amirabbas Azizi (Supervisor)**, 2020 (Graduated).

Executing Experiences

➢ 15 March 2021-Present: **Head of Department of Health Information Technology.**

➢ 8 April 2018 to 27 Oct. 2021: **Supervisor of Student Research Committee** at the paramedical school of Junishapur University of Medical Sciences.

➢ 21 June 2021-21 June 2023: **A member of the committee of scientific authority of the paramedical school** of Junishapur University of Medical Sciences.

➢ 9 May 2018-Present: **Member of the Research Council** at the paramedical school of Junishapur University of Medical Sciences.

➢ 2016-present: **Reviewer of the scientific Journals such as:** JMIR, JMIR Diabetes, JMIR Medical Education, JMIR Medical Education, JMIR Formative Research, JMIR mHealth and uHealth, BMC Medical Informatics and Decision Making, International Journal of Medical Signals and Sensors (JMSS), Electronic Physician, Journal of Health and Biomedical Informatics

➢ 21 March 2019-Present: **Supervisor of Laboratories affiliated to Department of** Health Information Technology

➢ 2008: **The executive secretary and a member of the scientific committee** of the third provincial congress of medical records

Honors

> **2th rank** in the under graduate entrance exam in Medical Records in Iran (2001).

> **2th rank** in the post graduate entrance exam in Medical Records in Iran (2004).

> **The paramedical school's top professor** in the paramedical school of Junishapur University of Medical Sciences (2017).

> **The paramedical school's top department** in the paramedical school of Junishapur University of Medical Sciences (2016).

> **2th rank** in the second Idea Show from Knowledge to Wealth with a focus on natural and unnatural hazards in Lorestan Science and Technology Park (2019).

> **2th rank** in the 13th educational festival of Shahid Motahari, innovative field and implementation of educational process (2020).

Teaching Experiences

1) Medical Informatics (BSc & MSc)

2) Standards of Health Information System (BSc & MSc)

3) Health data Quality (BSc & MSc)

4) Electronic Health Record (BSc & MSc)

5) Human Computer Interaction (MSc)

6) Seminar of Medical Informatics (MSc)

7) Research Project (BSc)

8) Introduction to Search strategy of Internet Sources (BSc, MSc, PhD & Medical Residents)