

## **Nahid Tavakoli**

### **MSc, PhD**

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### **Profile**

**Dr Nahid Tavakoli MSc, PhD.** is an Assistant Professor at the Department of Management and Health Information Technology, School of Management and Medical Information Sciences, Isfahan University of Medical Sciences in Iran. B.Sc. degree in Medical Record from Shahid Beheshti Isfahan University of Medical Sciences (Iran). M.Sc. degree in Medical Record Education from Iran University of Medical Sciences (Iran). Ph.D. in Health in Disaster(s) & Emergencies from Isfahan University of Medical Sciences (Iran). Published more than 30 refereed journal/conference papers and research interests include Information management in emergency department, hospital information system (HIS), electronic medical record (EMR) in ambulatory care unit, electronic health record (EHR) challenges in Iran, patient tracking system in disaster(s), developing response plan to flood hazard and Interorganization Information and Communication in disaster and emergencies.

### **Teaching**

#### **Disaster Information and Communication Management (Postgraduate)**

This compulsory module covers basic concepts in information and communication management. It introduces the concept of roles and responsibilities of communication and information management in emergencies and disaster(s). It covers early warning systems and community media. Also includes communication management with media during disaster and emergencies.

#### **Health Information System in Disaster(s) and Emergencies (Postgraduate)**

This Compensatory Module introduces the definition and components of information system and principles of its development to students who do not have background knowledge in this field. The focus is on current technologies and information system in disaster(s) and emergency response including patient tracking system; tele medicine; Radio Frequency Identification (RFID); Near Field Communication (NFC); Wireless Sensor and smart devices.

#### **Disaster Risk Management (Postgraduate)**

This compulsory module begins with a discussion of historical context of thinking about disasters. In continues, it provides a sample of theories and concepts, applicable to the domain of disaster policy and to the field of emergency management. Also in this module, it

introduces the basic concepts, principle and practical application underpinning best practice in all aspects of disaster management. This module covers new approaches of disaster management considering Hyogo and Sendai Framework for Disaster Risk Reduction. It also provide an overview of leadership, coordination and logistic and resources management in disasters.

### **Health Information System (Undergraduate)**

This compulsory Module covers definition and basic concepts in health information system. It introduces the principle of health information system design and development. Also in this module, it introduces the health information system architecture and use of information system in health system. This module covers electronic medical record and electronic health record components and functions. It also provide an overview of health data confidentiality and security, electronic health information exchange and content and structure of health information.

## **Research**

Her main research topics are patient tracking system(PTS), and disaster response plan, communication and information management in disaster and emergencies. Since 2000 until now she has been principle and co-investigator for several funded research projects on emergency medical information management, Electronic Medical Record, Disaster Plan and Interorganization Information and Communication in disaster and emergencies.

Her PhD dissertation was sponsored by Iran National Science Foundation (INSF) in the field of patient tracking platform.

## **Publications**

### **Identifying flood response experiences in Iranian health system: A qualitative study.**

2023. J Flood Risk Management.

Mohajervatan A, Atighechian G, Khankeh H, Raeisi A, Tavakoli N (corresponding author).

### **A comparative study of interagency communications and information exchange in disaster response among selected countries**

2023. Edu Health Promot

Abdolahzadeh F, Bagherian H, Peyravi M, Kolivand P, Tavakoli N (corresponding author).

### **Extracting the Factors Affecting the Survival Rate of Trauma Patients Using Data Mining Techniques on a National Trauma Registry**

2023. Arch Acad Emerg Med.

Nasr Isfahani M, Tavakoli N, Bagherian H, Fatemi N, and Sattari M

### **Experiences of Experts with Communication and Information Exchange in Response to Disasters.**

2022. Iran Red Crescent Med J.  
Abdolahzadeh F, Bagherian H, Peyravi M, Kolivand P, Tavakoli N (corresponding author).

**Disaster planning approaches in Iran's health system: A mixed-methods study**

2022. J Edu Health Promot  
Mohajervatan A, Atighechian G, Khankeh H, Raeisi A, Tavakoli N (corresponding author).

**Health sector's flood response plan: A comprehensive review**

2021. Environmental Health Engineering and Management Journal  
Mohajervatan A, Tavakoli N (corresponding author), Khankeh H, Raeisi A, Atighechian G.

**Information challenges of COVID-19: A qualitative research.**

2021. J Edu Health Promot  
Atighechian G, Rezaei F, Tavakoli N (corresponding author), Abarghoian M.

**The Information Needs of the Iranian People in the COVID-19 Pandemic from the Perspective of Health Professionals: A Qualitative Approach**

2021. Journal of Education and Community Health.  
Atighechian G, Tavakoli N, Rezaei F.

**The role of virtual social networks in shaping people's attitudes toward COVID-19 in Iran**

2021. Journal of Education and Health Promotion  
Jahanbakhsh M, Bagherian H, Tavakoli N, Ehteshami A, Sattari M, Saghaeian Nejad Isfahani S,

**Test and Evaluation of Patient Tracking Platform: Use of Near Field Communication**

2020. Health in Emergencies and Disasters Quarterly  
Tavakoli N , Yarmohammadian Mohammad H , Samimi A.

**A review on the use of operational research techniques in the medical records department**

Bagherian H, Jahanbakhsh M, Tavakoli N  
2020. Proceedings of Singapore Healthcare

**Effect of Relief Maneuvers on Staff Preparedness for Disasters. [In Persian]**

2020. Sci J Rescue Relief  
Abdolahzadeh F, Tavakoli N , Mohammadi MB , Jalali P , Hassani Nalousi A.

**Challenges and recommendations for patient tracking in past earthquakes: An experience from Iran**

2018. Trauma Monthly  
Tavakoli N, Safdari R, Keyvanara M, Yarmohammadian M.

**Designing a model of patient tracking system for natural disaster in Iran**

2017. J Edu Health Promot  
Tavakoli N, Safdari R, Keyvanara M, Yarmohammadian M.

**Overcrowding in emergency departments: A review of strategies to decrease future challenges**

2017. J Res Med Sci.  
Yarmohammadian M, Rezaei F, Haghshenas A, Tavakoli N.

**Patient tracking in earthquake emergency response in Iran: A qualitative study**

2017. World J Emerg Med.  
Tavakoli N, Safdari R, Keyvanara M, Yarmohammadian M .

**External evaluation of four hospitals according to patient-centred care standards**

2013. Acta Inform Med.  
Tavakoli N, Abbasi Sh.

**E-health implementation challenges in Iranian medical centers: A qualitative study in Iran**

2013. Telemedicine and e-Health  
Sharifi M, Ayat M, Jahanbakhsh M, Tavakoli N, Mokhtari H, Kheiruzzaman W

**Electronic medical record in central polyclinic of Isfahan oil industry: A case study based on technology acceptance model**

2013. Acta Inform Med.  
Tavakoli N, Shahin A, Jahanbakhsh M, Mokhtari H, Rafiei M.

**Patient access to electronic health record: a comparative study on laws, policies and procedures in selected countries**

2013 Med Arh.  
Tavakoli N, Saghaeian Nejad S, Amini A

**A comparative study of laws and procedures pertaining to the medical records retention in selected countries**

2012. Acta Inform Med.  
Tavakoli N, Saghaeian S, Habibi MR.

**Opportunities of Electronic Health Record Implementation in Isfahan**

2011. Procedia Computer Science  
Tavakoli N, Jahanbakhsh M.

**Information management on emergency departments at Isfahan University of Medical Sciences. [In Persian]**

2006. Health Information Management Journal  
Tavakoli N, Yarmohammadian M.

**Scholarly Contributions**

**Journal Reviewer:** Journal of Education and Health Promotion, Journal of Health Information Management, Disaster Medicine and Public Health Preparedness, Frontiers in Health Services, International Journal of Preventive Medicine