

## Fatemeh Rezaei, PhD

Isfahan University of Medical Sciences,  
Faculty of management and medical informatics, Isfahan, Iran.

Phone: 09131943858, alternatively 03137925212

Fax: 0311 6684799,03132642856

Email: [f.rezaei.pro@gmail.com](mailto:f.rezaei.pro@gmail.com), [f.rezaei@mng.mui.ac.ir](mailto:f.rezaei@mng.mui.ac.ir) University

profile:

<https://mng.mui.ac.ir/fa/go4/%D9%87%DB%8C%D8%A7%D8%AA%20%D8%B9%D9%84%D9%85%DB%8C>

Google scholar: [https://scholar.google.com/citations?user=Dtc85\\_cAAAAJ&hl=en](https://scholar.google.com/citations?user=Dtc85_cAAAAJ&hl=en) Web  
of Science Researcher ID: [AAE-5103-2020](https://orcid.org/0000-0002-2275-7501)

Scopus Profile: <https://www.scopus.com/authid/detail.uri?authorId=57055327900>

ORCID: [0000-0002-2275-7501](https://orcid.org/0000-0002-2275-7501)

linkedin: <https://www.linkedin.com/in/fatemeh-r-6303aa49/>

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### Education

- **PhD** in Health in Disaster and Medical Information: University of Isfahan Medical Science – Iran 2014-2019
  - o Thesis: Design a community-based preparedness plan focusing on biological hazards
  - o Adviser: Dr Mahmoud Keyvanara, Dr Mohammad H Yarmohammadian
  
- **MSc** in Health Management: 2012, University of Isfahan- Iran 2011-2013
  - o Thesis: Developing an Integrated Clinical Risk Management Model (ICRM) for Healthcare System
  - o Adviser: Dr Mohammad H Yarmohammadian, Dr Masoud ferdosi
  
- **BSc** in Health Management: 2006, University of Isfahan- Iran 2006-2010

### Professional Experience and Research Interests

Fatemeh Rezaei holds a PhD in "Health in Disasters and Emergencies" from Isfahan University of Medical Sciences with a major in "Health Management". She currently works as an Assistant Professor at Isfahan University of Medical Sciences. She is a member of the faculty of the Department of Disaster and Emergency Health. She completed her bachelor's and master's degrees in health management at the same university and was awarded the top degree for her thesis of the Department of Health Services Management in 2014-2015 titled "Development of an Integrated Model of Risk Management in Health Care". As a doctoral student she was selected as a pioneer student for publishing in student journals. In 2018, she achieved the "Top Thesis Award" from Iran's top theses

festival by Professor Hassabi on her doctoral thesis about “Design a community-based preparedness plan focusing on biological hazards”. Her research focuses on "risk management", "disaster management", "community-based management", and "biological hazards". She is also a lecturer in service training and courses at the university and has held training courses in the areas of "hospital preparedness with chemical accidents", "crisis management" and so on.

## Appointment

- **EDO<sup>1</sup> representative** and coordinator of the department of health in disasters 2023-present and emergencies. (Isfahan university of medical sciences).
- The fellow **member** of applied science committee in health. (Isfahan university 2023-present of medical sciences)
- The **fellow member** of Social Determinant of Health research center 2022-present (SDH research center)
- Journal club leader of PhD students 2021-present
- **Assistant Professor** at Isfahan University of Medical Science (IUMS) in 2019-present Department of health in emergencies and disasters.
- The **fellow member** of Health Management and Economics Research 2013-present Center (HMERC)
- **Research assistant** at Isfahan University of Medical Science (IUMS) 2017-2019 in Department of health in emergencies and disasters.
- **Chief Editor** of the Incident Management journal (In Farsi). 2016-2019
- **Instructor** of Jihad Institute of Higher Education for teaching principal of 2016- 2017 healthcare management courses in Isfahan.
- **Teaching Assistant & Lecturer** in academic courses of PhD and M.S 2015-2018 students
- The **fellow member** of Civil Defense Biological Center in Isfahan university 2015-2017 of medical science
- Representative of PhD students in advisory committee of graduate education 2015-2017 center
- **Research Assistant** and the active member of Student Research 2010-2013 Committee in faculty of Management and Medical Informatics (Isfahan University of Medical Sciences)
- The **fellow member** of disaster and emergencies working group in Health 2013-2015 Management and Economics Research Center (HMERC)
- Member of the Scientific Committee in 12th Annual Congress of Medical 2011 Sciences Students (national and international)

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<sup>1</sup> Education and Development office (EDO)

## Grants and Awards

- Principal Investigator II of the research grant awarded by World Health 2021-2022 Organizations (WHO): Research Grant No. AP21-00533. **Designing an integrated resilience system for promoting inter-organizational partnership for health system**; emphasizing on networking in disasters and emergencies.
  
- Principal Investigator II of the research grant awarded by World Health 2020-2021 Organizations(WHO): Research Grant No RPPH20-125: **Designing an educational program for promoting community participation in natural disasters based on needs** of Community-Based Health Organizations (CBHOs & NGOs)

## Peer-reviewed publications

1. **Elders in natural disasters: Community-Based health Organization (CBHO) education and preparedness**| 2022| Journal of Education and Health Promotion| In press.
2. **Participation'goals of Community-based organizations in the COVID-19 pandemic based on capacity gaps: A cross-sectional study**| 2022| 11 (1), 336
3. **Climate Actions, COP 26 and Implications on Public Health for Asia Pacific Region**| Epidemiology International | 2021| 6 (4), 2455-7048
4. **Information Needs of Pregnant Women in the COVID-19 Pandemic from Experts' Point of View: A Qualitative Study**| International Journal of Community Based Nursing & Midwifery|2021|9 (2), 139-151
5. **Are Rumors more Dangerous than Covid-19 Pandemic?** | Journal of Drug and Alcohol Research|2021|10 (8)
6. **The Revolution in the Iranian Disaster Management System in Controlling COVID-19 Pandemic?** | Health in Emergencies and Disasters Quarterly|2021|6 (9) : 199-204
7. **The Information Needs of the Iranian People in the COVID-19 Pandemic from the Perspective of Health Professionals: A Qualitative Approach**| J Education Community Health| 2021|8: 195-202.
8. **The Need for Palliative Care during COVID-19 Pandemic in Iran; a Letter to Editor**| Health Scope| | Vol. 9| Issue 3| pagee103727|2020
9. **How can community-based health organisations play a role in biohazards? A thematic analysis**| Asia Pacific Journal of Social Work and Development | 2020| <https://doi.org/10.1080/02185385.2019.1709100>.
10. **Institutional Accreditation in Medical Education: The Experience of the Survey Visit Teams**| Journal of Education and Health Promotion | 2020|12-11-2019
11. **Private Sector Participation during the COVID-19 Epidemic in Iran: Lessons from a Practical Experience**| Asia Pacific Journal of Social Work and Development|2020| 31:1-2, 31-37
12. **Evaluation of the readiness of hospitals affiliated to Isfahan University of Medical Sciences in unexpected events in 2017**| Journal of education and health promotion| 2019| Aug 30 ;8:14.

13. **The Roles and Responsibilities of Community-Based Organizations in Responding to Public Health Emergencies: A Systematic Review**| Iranian Red Crescent Medical Journal | 2019| 21 (4), e90967
14. **Preparedness of community-based organisations in biohazard: reliability and validity of an assessment tool** | Family Medicine and Community Health| 2019| 7 (3), e000124
15. **Hospitals preparedness using WHO guideline: A systematic review and meta- analysis**| HONG KONG J EMERG ME| 2018 May 1-12|
16. **Revised Risk Priority Number in Failure Mode and Effects Analysis Model from the Perspective of Healthcare System**| Int J Prev Med| Int J Prev Med 2018;9:7.|
17. **Risk Assessment of Surgical Procedures in a Referral Hospital** | Health in Emergencies and Disasters Quarterly| 2017; 3(1):21-30.
18. **How Can Patient Journey in Surgical Wards of a Referral Hospital Be Improved?** | Journal of Fundamental and Applied Sciences|2017 Feb 15;9(1S):647-61|
19. **Rehabilitation of Vulnerable Groups in emergency and Disasters: A Systematic Review**| World J Emerg Med | 2017; 8(4): 253–263.
20. **Surge capacity of hospitals in emergencies and disaster with preparedness approach: A Systematic Review** | Disaster Med Public Health Prep |2017 Mar 7:1-9|
21. **Health system preparedness in epidemic prone diarrhea disease in Iran: shigellosis epidemic**| Arc Ire Med| under review| 2017
22. **Overcrowding in emergency department: Review of strategies to decrease future challenges**| J Res Med Sci| 2017;22:23
23. **Risk assessment of the emergency processes: Healthcare failure mode and effect analysis** |World J Emerg Med | Vol 7 | No 2| 2016
24. **Principles of risk management in surgery departments:** Archives of Clinical and Experimental Surgery (ACES) | Vol. 4 | Issue 3 | 2015
25. **Increased Insurance Agency Payments for Diagnostic Magnetic Resonance Imaging (MRI) and Potential Factors Affecting It:** Journal of Health System Research | Vol. 11| Issue 2 | 2015
26. **Checking the relationship between physicians' communication skills and outpatients' satisfaction in the clinics of Isfahan Al-Zahra(S) Hospital in 2011:** Journal of Education and Health Promotion | Vol. 3 | August 2014
27. **Healthcare incident reporting system in several countries: Concepts, infrastructure and features:** International Journal of Health System and Disaster Management | Vol. 1 | Issue 3 | Jul-Sep 2013
28. **Developing an integrated clinical risk management model for Hospitals:** International Journal of Health System and Disaster Management | Vol. 1 | Issue 4 | Oct- Dec 2013
29. **Utilization of Magnetic Resonance Imaging in Patient Covered by Isfahan Health Care Insurance, Iran:** Health Information Management | Vol. 9 | Issue 7 | Aug-Feb 2013
30. **The relationship between organizational justice, job satisfaction and organizational commitment among employees of selected hospitals in Isfahan medical science university:** Journal of Health Administration | Vol. 12 | Issue 38 | 2009

News article

1. **Mass-screening as an alternative way of quarantine in Iran during COVID-19 pandemic**  
|Edward & Cynthia institute of public health| August 2022|

## **Books & Chapters**

### **□ Author**

**URBAN HEALTH Emerging public health perspectives' Third chapter titled:** " 2021 Hospital Approaches to Disaster Preparedness", "Elderly Services for Urban Population in Iran", and " Road Traffic Accidents in Iran". Editor: Edmond Fernandes & Indu Grewal.

(In English - India)

**Community-based Risk Management in Disasters and Emergencies'** this book was 2020 published by Isfahan University of medical sciences (IUMS) and contains applicable tools and subjects(in Farsi).

**'Management and Disaster Risk Reduction Structures in the world'**, chapter 2, a 2015 reference book for students of health in emergencies and disasters, published by Tehran University of Medical Sciences (in Farsi).

**'Risk Management in Surgery Ward and ICU'**, book published by Isfahan 2014 University of Medical Sciences (in Farsi).

### **□ Reviewer**

**Application of futurology methods in disaster risk management**, book 2022 published by Sirjan University of Medical Sciences (in Farsi).

## **Presentations & Abstract**

### **□ International conferences**

- **The relationship between caregivers' Strain, preparedness for care giving and quality of life in caregivers of patients with Alzheimer in Iran Alzheimer's Association in 2019**, Nursing Congress 2022 event, September 27-28, Toronto, Canada.
- **Information needs of pregnant women in the COVID-19 pandemic from experts'point of view: A qualitative study**, 5th Global Conference on Nursing and Healthcare, July 15-16, 2021 at Webinar
- **Participation' goals of Community-based organizations in the COVID-19 pandemic based on capacity-gaps: a cross-sectional study**, International E-Conference on COVID-19 & Health System: The Lessons Learned, May 25-27 2021.
- **Coping with crisis - perspectives from Iran for sustainable development**: Webinar on Reclaiming gains to accelerate global health organized by CHD Group.
- **Revised RPN Number to Modify FMEA for Healthcare system**, paper presented in 18th International Conference on Disaster and Emergency Management 2016- Istanbul, Turkey
- **Effect of understanding disaster risk in promoting resiliency by focusing on community based organizations partnership**, paper presented in 8th International Congress on Health in Emergency and Disaster 2017, Tehran, Iran.

- **Hospital Preparedness in Disasters and Mass Casualty Incidents (MCIs): A Systematic Review and Meta-Analysis** presented in 7<sup>th</sup> international congress on health in emergencies and disasters 2016, Tehran, Iran.
- **Incident management in health system: comparative study in America, Australia and England** presented in 7<sup>th</sup> international congress on health in emergencies and disasters 2016, Tehran, Iran.
- **Functional and infrastructural factors affect health insurance coverage for diagnostic services** presented in international conference on sustainable reform in health system: approaches and challenges 2015
- **Developing a Comprehensive Patient Journey reform process In Surgery Ward** presented in international conference on sustainable reform in health system: approaches and challenges 2015
- **Increased Insurance Agency Payments for Diagnostic Magnetic Resonance Imaging (MRI) and Potential Factors Affecting It** presented in national congress on Reform of health system with resistance economic approach 2015
- **Health system preparedness in epidemic prone diarrhea disease in Iran: A case study of shigellosis epidemic**, presented in 7<sup>th</sup> international congress on health in emergencies and disasters 2016, Tehran, Iran.

#### □ National Conferences

- **Civil defense mechanisms in hospitals against biological hazards**, National conference on crisis management and passive defense in hospitals and health centers, Tehran, Iran.
  - **Community based disaster risk management approach**, paper presented in 1th national conference on organizational development and innovation with approach of resistance economy 25-26 2017, Mashhad, Iran.
  - **Strategic challenges and opportunities of health reform in Iran** presented in national congress on Reform of health system with resistance economic approach 2015
  - **Utilization of Magnetic Resonance Imaging in Patient Covered by Isfahan Health Care Insurance, Iran**, paper presented in Clinical Audit and Quality Improvement Conference, 2012, Tabriz, Iran
  - **Checking the relationship between physicians' communication skills and outpatients' satisfaction in the clinics of Isfahan Al-Zahra(S) Hospital in 2011**, Paper presented in Clinical Audit and Quality Improvement Conference, 2012, Tabriz, Iran
  - **Impact of Accreditation in providing health services**, Paper presented in Clinical Audit and Quality Improvement Conference, 2012, Tabriz, Iran

#### Editorial/Review Responsibilities

- Voluntas: International Journal of Voluntary and Nonprofit organizations
- Journal of evidence based medicine
- Plos One
- Disaster medicine and public health preparedness
- Malaysian Journal of Medicine and Health Sciences

#### Educational activities

### □ Teaching courses

- Qualitative research 2021-present
- Health system structure and programs in Iran and worldwide 2020-present
- Specialized language in disasters and emergency 2020-present
- Civil defense 2020-present
- Communication management and risk notification in disasters 2020-present
- Principles of hospital maintenance and safety 2020-2021
- Adapting Hospital management to accidents and disasters, 2020-present
  
- General principles of healthcare management 2020-2022
- Principles of hospital design, equipment and development 2020-present
- Climate change and health risks 2020-present
- Advanced qualitative research method 2020-present
- Inventory 2020-2021

### □ Service training

- Decontamination and healthcare in CBRN (Chemical, Biological, Radiological, and Nuclear) incidents 2020
- Crisis Management in Hospitals 2020
- Management in disasters and emergencies 2020
- Triage in CBRN (Chemical, Biological, Radiological, and Nuclear) incidents 2019
- Kermanshah Earthquake in Iran: Lessons learned 2018
- Scenario writing: Workshop Teacher (holding in the Head Office of Isfahan Medical Sciences University for Health professionals) 2015
- How to write a scientific article: Workshop Teacher (holding in Faculty of management and medical informatics for BS students) 2015
- Failure Mode and Effects Analysis (FMEA): Scientific Lecturer (holding in Sadughi hospital for experts in Department of Health and hospitals in Isfahan) 2014
- Crisis management in epidemic of food borne diseases (Deputy of health in Esfahan university of medical science) 2016

### □ Workshops/Courses

- Climate Change and Global Occupational Health and Safety/ Webinar Series organized by CIFAL York university (Canada) and UNitar (United Nations Institute for Training and Research) April 2023
- Disaster Displacement/ Online course handled by Norwegian Refugee Council (NRC) and the United Nations Office for Disaster Risk Reduction (UNDRR) April 2023
- RAPID DISASTER DAMAGE ASSESSMENT/ Webinar Series organized by CIFAL York university (Canada) Des 2022
- Data mining - introduction of software related to data mining 2021

- The application of psychological flexibility in the teaching of palliative-supportive care 2021
- Quality in medical science education 2020
- Knowledge of intellectual property and patents 2020
- Teacher evaluation 2020
- Reflective Learning 2020
- Writing innovative activities in the field of teaching and learning with practical examples 2020
- Creativity in teaching 2020
- Systematic review and meta-analysis, introductory and advanced, subgroup analysis, meta-regression, publication bias 2020
- Medical journalism, the correct and practical way of writing different parts of articles 2020
- Data mining as an approach to extract hidden patterns in medical data 2020
- Curriculum management 2020
- The relationship between the professor and the student 2020
- Management of biological threats: 9th international congress in health in disasters and emergencies (Iran) 2019
- Preparedness of hospitals in chemical incidents: 9th international congress in health in disasters and emergencies (Iran) 2019
- Economic Evaluation in health system 2015
- Iran – German Workshop on Healthcare Economics and Data Mining in the Healthcare 2015
- Attended at Dashboard Model in Emergency Information Workshop 2013
- Attended at winter school: 2012
  - An overview of Australian Healthcare System: A comparative Discussion
  - Evaluation of health organization
  - Clinical Governance in health system: Comparison between Iran and Australia
  - How to write English article and submit on International Journals
  - Practical session on qualitative analysis

<b>Language</b>	English (MSRT, MMHLE, IELTS-ongoing) , Persian
<b>Skills</b>	Spss, Endnote, Excel, Maxqda, Amous, Stata (ongoing)
<b>Research interests</b>	<ul style="list-style-type: none"> <li>- Public health emergency management</li> <li>- Community based disaster management</li> <li>- Hospital Emergency management</li> <li>- Risk Assessment</li> <li>- Coordination in Disaster management</li> <li>- Health system preparedness and response capabilities in emergencies and mass casualty accidents</li> <li>- Refugees public health issues</li> <li>- Climate change health issues</li> <li>- Women vulnerabilities in disasters</li> </ul>