

Dr. Mohammad Hossein Panahi

PhD in Epidemiology

Position: Assistant professor

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Areas of expertise: Communicable and Non-communicable diseases epidemiology, Infectious disease modeling, Diseases Surveillance system, Outbreak Investigations.

Curriculum Vitae

Personal information

- **First name:** Mohammad Hossein
- **Surname:** Panahi
- **Work Address:** Department of Epidemiology, School of Public Health and Safety, Shahid Beheshti University of Medical Sciences- Velenjak st- Shahid Chamran Highway - Tehran- Iran
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Education

- PhD in Epidemiology, Tehran University of Medical Sciences, Tehran, Iran (2019)
- MSc in Epidemiology, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2013)
- BSc in Public health, Iran University of Medical Sciences, Tehran, Iran (2005)

Scientific Positions

- Assistant professor in Shahid Beheshti University (Since 2020)
- Deputy in research affair of Safety Promotion and Injury Prevention Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- Member of Non-communicable disease, ministry of health (2012-2019)
- Expert in communicable disease in Shahid Beheshti University of Medical Sciences (2006-2011)

Research Interests

- Communicable and Non-communicable diseases epidemiology
- Infectious disease modeling
- Diseases Surveillance system
- Outbreak Investigations
- Qualitative studies

Honors and awards

- Rank first among PhD graduated students, Tehran university of medical sciences
- Brilliant talent PhD student, Tehran university of medical sciences
- Prominent researcher student of Tehran university of medical sciences (2020)

Teaching experience

- Non-communicable diseases for MPH students
- Fundamental of epidemiology
- Probability and biostatistics
- Fundamental of epidemiology and disease control
- Biostatistics and research methods
- Non-communicable diseases controls and its epidemiology
- Epidemiology of infectious disease: Introductory and fundamental
- Disease outbreaks: Identification and control
- Research methodology and scientific writing
- Qualitative studies

- Community health assessment

Workshops

- Quality control for cancer registries- Ministry of health
- SPSS software for faculty member- Azad university
- Investigation and Control of Disease Outbreaks in Iran- Epidemiology congress
- Disease registries- Shahid Beheshti University of Medical Sciences

Research projects

- Evaluation of educational and research performance of faculty members and students of Shahid Beheshti University of Medical Sciences - 2016-2017 (2016)
- Challenges in Implementing Package of Essential Non-Communicable Diseases Interventions in Iran's Healthcare System (2016)
- Developing method for accessing and maintaining data from studies supported by the Ministry of Health and Medical Education (2017)
- Investigation of the distribution of complications, survival status and the factors affecting them in patients with major thalassemia beta in certain areas of Iran (2017)

Books

- Guideline: national cancer registry (2012)
- National Health Guide (2013)
- Iran Package of Essential NCD Interventions "IraPEN" (Health workers) (2017)
- Iran Package of Essential NCD Interventions "IraPEN" (Midwives) (2017)
- Iran Package of Essential NCD Interventions "IraPEN" (Medical Doctors) (2017)
- Modern Infectious Disease Epidemiology (2020)

National and international congress

- Interaction between chronic kidney disease and metabolic syndrome on cardiovascular diseases: TLGS, International Congress of Iranian Students in Mazandaran, Oral presentation (2013)
- Epidemiology and prospects of cancer in Iran, Tabriz cancer congress, Oral presentation (2014)
- Quality of life in parents of children with PKU in Tehran, 2015, Ilam congress, Poster (2016)
- Acute respiratory syndrome outbreak in Ahwaz 2013, Ilam congress- Poster (2016)
- The prevalence of colorectal cancer in first-degree relatives of patients with colorectal cancer, Epidemiology congress, Poster (2019)

Papers

1. Bidhendi YR, Panahi MH. Postnatal nutritional deficit is an independent predictor of bronchopulmonary dysplasia among extremely premature infants born at or < 28 weeks gestation: Some methodological issues. *Early human development*. 2019 Jul;134:47.
2. Panahi MH, Bidhendi RY. Bias in determining factors associated with early seizures after surgery of unruptured intracranial aneurysms. *Clinical neurology and neurosurgery*. 2019 Mar;179:66.
3. Panahi MH, Panahi H, Hezaveh AM, Mansourni MA, Yarandi RB. Survival rate of colon and rectum cancer in Iran: A systematic review and meta-analysis. *Neoplasma*. 2019 Nov;66(6):988-94.
4. Panahi MH, Hadaegh F, Yavari P, Kazempour-Ardebili S, Mehrabi Y, Azizi F, Khalili D. A Challenging Interaction of Chronic Kidney Disease With Other Metabolic Disorders. *Iranian journal of kidney diseases*. 2016 Sep;10(5).
5. Panahi MH, Yavari P, Khalili D, Mehrabi Y, Hadaegh F, Azizi F. Obesity Paradox: Incidence of Coronary Heart Disease in Patients with Chronic Kidney Disease and Metabolic Syndrome. *Iranian Journal of Epidemiology*. 2015 Jun 15;11(1):72-81.
6. Soleimani A, Hassanzadeh J, Motlagh AG, Tabatabaee H, Partovipour E, Keshavarzi S, Hossein M. Spatial analysis of common gastrointestinal tract cancers in counties of Iran. *Asian Pac J Cancer Prev*. 2015;16(9):4025-9.

7. Panahi MH, Yavari P, Khalili D, Mehrabi Y, Hadaegh F, Azizi F. The Risk of Chronic Kidney Disease and Metabolic Syndrome in the Incidence of Coronary Heart Disease: Tehran Lipid and Glucose Study. *Iranian Journal of Epidemiology*. 2014 Mar 15;9(4):10-20.
8. Basiri A, Shakhssalim N, Jalaly NY, Miri HH, Partovipour E, Panahi MH. Difference in the incidences of the most prevalent urologic cancers from 2003 to 2009 in Iran. *Asian Pac J Cancer Prev*. 2014 Jan 1;15(3):1459-63.
9. Etemad K, Heidari A, Nadafi K, Panahi MH, Ahmadnejad E, Malekafzali SH, Najmi M, Idani E, Amiri H, Khorami Z, Rajae Behbahani N. Evidences for confirmation of an epidemic in acute respiratory syndrome crisis among residents of Ahwaz November 2013. *Iranian Journal of Epidemiology*. 2016 Jun 15;12(1):35-40.
10. Holakouie Naieni K, Mansournia MA, Panahi MH, Elduma A, Nematollahi SH. Nested-Case Control Versus Case-Cohort Studies: A Narrative Review on Methodological Considerations. *Iranian Journal of Epidemiology*. 2016 Oct 15;12(3):64-72.
11. Mirzaei H, Panahi MH, Etemad K, GHanbari-Motlagh A, Holakouie-Naini K. Evaluation of pilot colorectal cancer screening programs in Iran. *Iranian Journal of Epidemiology*. 2016 Oct 15;12(3):21-8.
12. Etemad K, Heidari A, Panahi MH, Lotfi M, Fallah F, Sadeghi S. Challenges of Access to Data of Ministry of Health from the Perspective of Policy-makers, Producers, and Consumers of Data: A Qualitative Study. *Iranian Journal of Epidemiology*. 2017 Dec 15;13(3):174-82.
13. Etemad K, Heidari A, Panahi M, Lotfi M, Fallah F, Sadeghi S. A Challenges in Implementing Package of Essential Noncommunicable Diseases Interventions in Iran's Healthcare System. *Journal of health research in community*. 2016 Dec 15;2(3):32-43.
14. HAZAVEH AR, Panahi MH, Yousefi E, Yarahmdi S. Some Facts on the Diabetes Surveillance in Rural Regions of Iran. *Iranian journal of public health*. 2018 Dec 1;47(12):1967-8.
15. Panahi MH. Letter to the Editor regarding the article "Meta-analysis of efficacy and safety of continuous saline bladder irrigation compared with intravesical chemotherapy after transurethral resection of bladder tumors". *World journal of urology*. 2020 Feb;38(2):513.

16. Panahi MH. Letter to editors regarding the article "Predictive score for oral corticosteroid-induced initial worsening of seropositive generalized myasthenia gravis". *Journal of the neurological sciences*. 2019 Apr 15;399:230.
17. Saatchi M, Panahi MH, Ashraf Mozafari A, Sahebkar M, Azarpakan A, Baigi V, Holakouie Naieni K. Health literacy and its associated factors: A population-based study, Hormuz Island. *Iranian Journal of Epidemiology*. 2017 Sep 15;13(2):136-44.
18. Panahi MH, HEZAVEH AR, Samavat T, Hodjatzadeh A, Yousefi E. Hypertension Surveillance in Rural Regions of Iran. *Iranian Journal of Public Health*. 2019 Dec 2;48(12):2313-4.
19. Panahi MH, Mohseni M, Yarandi RB, Tehrani FR. A methodological quality assessment of systematic reviews and meta-analyses of antidepressants effect on low back pain using updated AMSTAR. *BMC Medical Research Methodology*. 2020 Dec 1;20(1):14.
20. Panahi MH, Yarandi RB. Controversy Over the Surrogacy of Proteinuria or Albuminuria for Cardiovascular Outcomes. *Canadian Journal of Cardiology*. 2019 Sep 1;35(9):1256-e5.
21. Panahi MH, Bidhendi YR. Does multispecies probiotic decrease anxiety of young adults: A comment. *Journal of affective disorders*. 2019 Aug 19;259:135.
22. Bidhendi YR, Panahi MH. Noninvasive prediction model for diagnosing gastrointestinal stromal tumors using contrast-enhanced harmonic endoscopic ultrasound: Methodological issues. *Digestive and liver disease: official journal of the Italian Society of Gastroenterology and the Italian Association for the Study of the Liver*. 2019 Sep;51(9):1355.
23. Yarandi RB, Panahi MH. Is Granulocyte colony-stimulating factor associated with development of aortitis?. *Cytokine*. 2019 Aug 1;120:191.
24. Bidhendi YR, Panahi MH. Letter to the editor: Bias estimation of predictors and internal validity of the study" Admission characteristics predictive of in-hospital death from hospital-acquired sepsis: A comparison to community-acquired sepsis". *Journal of critical care*. 2020 Apr;56:321.
25. Bidhendi YR, Panahi MH. Methodological issues regarding" Decline in ankle-brachial index is stronger in poorly than in well controlled diabetes: Results from the Heinz Nixdorf Recall cohort study". *Atherosclerosis*. 2019 Jul;286:179.
26. Yarandi RB, Panahi MH. Comment on unplanned out-of-hospital birth and risk factors of adverse perinatal outcome: findings from a prospective cohort.

- Scandinavian journal of trauma, resuscitation and emergency medicine. 2019 Dec;27(1):37.
27. Panahi MH, Yarandi RB. Is irradiation significantly associated with a higher risk for CVD?. *European Archives of Oto-Rhino-Laryngology*. 2019 Apr 25:1.
 28. Panahi MH, Parsaeian M, Mansournia MA, Khoshabi M, Gouya MM, Hemmati P, Fotouhi A. A spatio-temporal analysis of influenza-like illness in Iran from 2011 to 2016. *Medical Journal of The Islamic Republic of Iran (MJIRI)*. 2020 Feb 10;34(1):464-9.
 29. Panahi MH, Parsaeian M, Mansournia MA, Gouya MM, Jafarzadeh Kohneeloo A, Hemmati P, Fotouhi A. Detection of Influenza Epidemics using Hidden Markov and Serfling Approaches. *Transboundary and Emerging Diseases*. 2020 Nov 5.
 30. Behboudi-Gandevani S, Bidhendi-Yarandi R, Panahi MH, Vaismoradi M. A systematic review and meta-analysis of male infertility and the subsequent risk of cancer. *Frontiers in Oncology*. 2021 Oct 14;11:696702.
 31. Behboudi-Gandevani S, Bidhendi-Yarandi R, Panahi MH, Mardani A, Gåre Kymre I, Paal P, Vaismoradi M. A Systematic Review and Meta-Analysis of the Risk of Stillbirth, Perinatal and Neonatal Mortality in Immigrant Women. *International Journal of Public Health*. 2022:80.
 32. Behboudi-Gandevani S, Bidhendi-Yarandi R, Panahi MH, Mardani A, Paal P, Prinds C, Vaismoradi M. Adverse Pregnancy Outcomes and International Immigration Status: A Systematic Review and Meta-analysis. *Annals of Global Health*. 2022;88(1).
 33. Baharvand M, Tehranchi A, Taghavi N, Rahmani S, Sadeghi HM, Tabrizi AT, Panahi MH, Hajighasem P. Setting up a Registry for Oral Potentially Malignant Disorders (OPMD). *International Journal of Cancer Management*. 2022 Mar 31;15(3).
 34. Pordanjani SR, Mohammadian M, Derakhshan S, Hadavandsiri F, Nazari SS, Panahi MH. Spatio-temporal Analysis of COVID-19: A Global Study. *Middle East Journal of Rehabilitation and Health Studies*. 2023 Apr 30;10(2).
 35. Bidhendi-Yarandi R, Panahi MH. Trends in Leading Cancer Incidence among Iranian Women: Annual Cancer Registry Reports, 2003–2015. *Iranian Journal of Public Health*. 2021 Aug;50(8):1705.

Skills

- Microsoft Office
- SPSS
- STATA

- R

Language

Advance level of speaking, reading and writing English