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PhD in Epidemiology

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IDENTIFICATION

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- **PubMed:** <https://pubmed.ncbi.nlm.nih.gov/?term=yaser+mokhayeri&sort=date&size=200>
- **Publons:** <https://publons.com/researcher/3123443/yaser-mokhayeri/>

SCIENTIFIC POSITIONS / EXECUTIVE RECORD

- **Assistant Professor of Epidemiology**, Lorestan University of Medical Sciences, Khorramabad, Iran. (March 2018 - onward)
- **Member of university research council**, Lorestan University of Medical Sciences, Khorramabad, Iran. (April 2020 - onward)
- **Member of research council of the cardiovascular research center**, Lorestan University of Medical Sciences, Khorramabad, Iran. (May 2021 - onward)

EDUCATION

PhD (Epidemiology)
Jan 2013- Jan 2018

Department of Epidemiology, Shahid Beheshti
University of Medical Sciences, Tehran, Iran.

Thesis title: The study of hypothetical health-related lifestyle interventions on cumulative incidence of stroke adjusting for time-dependent confounders using parametric g-formula: Multi-Ethnic Study of Atherosclerosis (MESA).

Master of Science (Epidemiology)
Sep 2010-Feb 2013

Department of Epidemiology and Biostatistics, Tehran
University of Medical Sciences, Tehran, Iran.

Thesis title: Determination the impact of principle death causes elimination on increase of life expectancy using multiple decrement life tables in Tehran – 2010.

Bachelor of Science (Public Health)
Sep 2003- Jul 2007

Department of Public Health, Tehran University of
Medical Sciences, Tehran, Iran.

RESEARCH AREA

Causal inference Methods (inverse-probability weighting, parametric g-formula), Causal Mediation Analysis, Survival analysis, Longitudinal Data Analysis, Time-varying Analysis, Latent Class Analysis, Systematic Review and Meta-analysis

PUBLICATIONS

1. Rahimi E, Mohammadi R, **Mokhayeri Y**, Hashemi Nazari SS. Gender disparity and risk of noncommunicable disease among adults in Iran. Eastern Mediterranean Health Journal. 2023; Aug 31; 29(8): 630-637.
<https://pubmed.ncbi.nlm.nih.gov/37698218/>
2. Izadi N, Shahbazi F, **Mokhayeri Y**, Seifi A, Taherpour N, Mehri A, Fallah S, Sotoodeh Ghorbani S, Farhadi-Babadi K, Taherian MR, Rahimi E, Etemed K, Hashemi Nazari SS. Intensive care unit admission and associated factors in patients hospitalized for COVID-19: A national retrospective cohort study in Iran. BMJ Open. 2023;13:e070547. doi:10.1136/bmjopen-2022-070547
<https://pubmed.ncbi.nlm.nih.gov/37607784/>
3. Gholami M, Zohrabi Salari F, Yarahmadi R, **Mokhayeri Y**, Vieskaramian A, Amin A. Effects of balanced training on cognitive function and activities of daily living in older adult patients with heart failure: a randomized controlled trial. Irish Journal of Medical Sciences. 2023 Jun 26. In press.
<https://pubmed.ncbi.nlm.nih.gov/37365444/>
4. Mehri A, Sotoodeh Ghorbani S, Farhadi-Babadi K, Rahimi E, Barati Z, Taherpour N, Izadi N, Shahbazi F, **Mokhayeri Y**, Seifi A, Fallah S, Feyzi R, Etemed K, Hashemi Nazari SS. Risk factors associated with severity and death from COVID-19 in Iran. A systematic review and

- meta-analysis study. Journal of Intensive Care Medicine. 2023; 28:8850666231166344. Online ahead of print
<https://pubmed.ncbi.nlm.nih.gov/36976873/>
5. Dehghani M, Namdari M, Rafieian-Kopaei M, Baharvand-Ahmadi B, **Mokhayeri Y**, Namdari P, Dehghani M, Cheragi M. Comparison of the effect of time of home-base cardiac rehabilitation program on the changes in cardiometabolic risk factors in patients with phase-IV miocardial infarction. A randomized controlled trial. ARYA Atherosclerosis. 2022; 18(1): 1-9.
<https://pubmed.ncbi.nlm.nih.gov/36818148/>
 6. Izadi N, Teherpour N, **Mokhayeri Y**, Sotoodeh Ghorbani S, Rahmani K, Hashemi Nazari SS. Epidemiologic Parameters for COVID-19: A Systematic Review and Meta-Analysis. Medical Journal of the Islamic Republic of Iran. 2022; 19;36:155.
<https://pubmed.ncbi.nlm.nih.gov/36654849/>
 7. Hajizadeh F, Khanizadeh S, Khodadadi H, **Mokhayeri Y**, Ajourloo M, Malekshahi A, Heydari E. SARS-COV-2 RBD (Receptor binding domain) mutations and variants (A sectional-analytical study). Microbial Pathogenesis. 2022; 168:105595.
<https://pubmed.ncbi.nlm.nih.gov/35597364/>
 8. **Mokhayeri Y**, Nazemipour M, Mansournia MA, Naimi AI, Kaufman JS. Does Weight Mediate the Effect of Smoking on Coronary Heart Disease? Parametric Mediation G-Formula Analysis. PLOS ONE. 2022; 17(1):e0262403.
<https://pubmed.ncbi.nlm.nih.gov/35025942/>
 9. Khodaei S, Hasanvand S, Gholami M, **Mokhayeri Y**, Amini M. The effect of online flipped classroom on self-directed learning readiness and metacognitive awareness in nursing students during the COVID-19 pandemic. BMC Nursing. 2022; 21(1): 22.
<https://pubmed.ncbi.nlm.nih.gov/35042484/>
 10. Rahmani E, Rahmanian M, Mansouri K, **Mokhayeri Y**, Jamalpour Y, Hassanvandi S. Are There any Possible Side Effects of Neurofeedback? A Systematic Literature Review and Meta-analysis. Iranian Journal of Psychiatry and Behavioral Sciences. 2023(In press).
<https://brieflands.com/articles/ijpbs-138064>
 11. Rahmani E, Mahvelati A, Alizadeh A, **Mokhayeri Y**, Rahmani M, Zarabi H, Hassanvandi S. Is neurofeedback effective in children with ADHD? A systematic review and meta-analysis. Neurocase. 2022 Feb;28(1):84-95.
<https://pubmed.ncbi.nlm.nih.gov/35068368/>
 12. Rahimi E, Hashemi Nazari SS, **Mokhayeri Y**, Sharhani A, Mohammadi R. Nine-month Trend of Time-Varying Reproduction Numbers of COVID-19 in West of Iran. Journal of research in health sciences. 2021; 21(2):e00517.

<https://pubmed.ncbi.nlm.nih.gov/34465640/>

13. Sedighi M, Ghorbanzadeh V, Abaszadeh S, Karimi A, Cheraghi M, Moghimian M, Mohammadi A, Veiskarami S, **Mokhayeri Y**, Nazari A. Up-regulation of chemokine receptor type 4 expression in the ischemic reperfused heart by alcoholic extract of Cichorium intybus rescue the heart from ischemia injury in male rat. The journal of pharmacy and pharmacology. 2021; 73(10)-1351-60.
<https://pubmed.ncbi.nlm.nih.gov/34076244/>
14. Amiri A , **Mokhayeri Y**, Mohammadi R , Karami MA, Ghaderpoori M, Kamarehie B, Jafari A. Dose-response meta-analysis of arsenic exposure in drinking water and hypertension. Heliyon. 2020;7(3): e06409.
<https://pubmed.ncbi.nlm.nih.gov/33748480/>
15. Hasanvand M, Mohammadi R, Khoshnamvand N, Jafari A, Safari Palangi H, **Mokhayeri Y**. Dose-response meta-analysis of arsenic exposure in drinking water and intelligence quotient. Journal of environmental health science and engineering. 2020;18(2):1691-1697.
<https://pubmed.ncbi.nlm.nih.gov/33312671/>
16. Azimi SS, Koohi F , Aghaali M , Nikbakht R, Mahdavi M, **Mokhayeri Y**, Mohammadi R, Taherpour N, Nakhaeizadeh N, Khalili D, Sharifi H, Hashemi Nazari SS. Estimation of the basic reproduction number (R0) of the COVID-19 epidemic in Iran. Medical journal of the islamic republic of iran. 2020;34:95
<https://pubmed.ncbi.nlm.nih.gov/33315980/>
17. Group Authors: Global Burden of Cardiovascular Diseases and Risk Factors, 1990-2019: Update From the GBD 2019 Study. Journal of the American college of cardiology.2020;76(25):2982-3021
<https://pubmed.ncbi.nlm.nih.gov/33309175/>
18. **Mokhayeri Y**, Riahi SM, Rafiei E, Asadgol Z, Hashemi-Nazari SS. Indirect estimation of child mortality using 2011 census data in the Islamic Republic of Iran. Eastern Mediterranean health journal. 2020;26(2): 161-169.
<https://pubmed.ncbi.nlm.nih.gov/32141593/>
19. Asadgol Z, Badirzadeh A, Niazi S, **Mokhayeri Y**, Kermani M, Mohammadi H, Gholami M. How climate change can affect cholera incidence and prevalence? A systematic review. Environmental science and pollution research international. 2020;27(28): 34906-34926.
<https://pubmed.ncbi.nlm.nih.gov/32661979/>
20. Group Authors: GBD 2016 Stroke Collaborators. Global, regional, and national burden of stroke, 1990-2016: a systematic analysis for the global burden of disease study 2016. Lancet neurology. 2019;18(5):439-458.
<https://pubmed.ncbi.nlm.nih.gov/30871944/>

21. Global, regional, and national burden of stroke and its risk factors, 1990-2019: a systematic analysis for the global burden of disease study 2019. *Lancet neurology*. 2021 Sep 3;S1474-4422(21)00252-0.
<https://pubmed.ncbi.nlm.nih.gov/34487721/>
22. **Mokhayeri Y**, Hashemi-Nazari SS, Khodakarim S, Safiri S, Mansournia N, Mansournia MA, Kaufman JS, Naimi A. Effects of Hypothetical Interventions on Ischemic Stroke Using Parametric G-Formula. *Stroke*. 2019;50(11):3286-88.
<https://pubmed.ncbi.nlm.nih.gov/31480969/>
23. **Mokhayeri Y** and Mansournia MA. Methodological point on mediation analysis. *International Journal of Epidemiology*. 2019;48(5):1730-31.
<https://pubmed.ncbi.nlm.nih.gov/31143938/>
24. Sanaei Nasab H, Yazdanian M, **Mokhayeri Y**, Latifi M, Niksadat N, et al. The role of psychological theories in oral health interventions: a systematic review and meta-analysis. *International Journal of Dental Hygiene*. 2019;17(2):142-152.
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25. Riahi SM, Moamer S, Namdari M, **Mokhayeri Y**, Pourhoseingholi MA, Hashemi-Nazari SS. Patterns of clustering of the metabolic syndrome components and its association with coronary heart disease in the Multi-Ethnic Study of Atherosclerosis (MESA): A latent class analysis. *International journal of cardiology*. 2018.
<https://pubmed.ncbi.nlm.nih.gov/29885819/>
26. Rezaei O, Bayani A, **Mokhayeri Y**, Wayne K, Sadat Y, Haroni J, et al. Applying psychoeducational program on general health and communication skills in caregivers of patients with schizophrenia: A randomized controlled trial. *The European Journal of Psychiatry*. 2018.
<https://www.sciencedirect.com/science/article/abs/pii/S0213616317302586>
27. Noroozi M, Ahmadi S, Armoon B, Jorjoran Shushtari Z, Sharhani A, Ahounbar E, Karimi S, Rahmani A, **Mokhayeri Y**, et al. Social determinants associated with risky sexual behaviors among men who inject drugs in Kermanshah, Western Iran. *Journal of Substance Use*. 2018:1-6.
<https://www.tandfonline.com/doi/abs/10.1080/14659891.2018.1459905?journalCode=ijsu20>
28. Nazari SSH, **Mokhayeri Y**, Mansournia MA, Khodakarim S, Soori H. Association Between Dietary-related Risk Factors and Ischemic Stroke Using Reduced Rank Regression: The Multi-Ethnic Study of Atherosclerosis (MESA), USA. *Epidemiology and health*. 2018.
<https://pubmed.ncbi.nlm.nih.gov/29807407/>
29. Riahi SM, **Mokhayeri Y**. Methodological issues in a meta-analysis. *Current medical research and opinion*. 2017;33(10):1813.
<https://pubmed.ncbi.nlm.nih.gov/28749239/>

30. **Mokhayeri Y**, Riahi SM, Rahimzadeh S, Pourhoseingholi MA, Hashemi-Nazari SS. Metabolic syndrome prevalence in the Iranian adult's general population and its trend: a systematic review and meta-analysis of observational studies. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*. 2017.
<https://pubmed.ncbi.nlm.nih.gov/29292185/>
31. **Mokhayeri Y**, Hashemi-Nazari SS. The association between physical activity and atrial fibrillation applying the Heaviside function in survival analysis: the Multi-Ethnic Study of Atherosclerosis. *Epidemiology and health*. 2017;39:e2017024.
<https://pubmed.ncbi.nlm.nih.gov/28728352/>
32. Badirzadeh A, Mohebbali M, Asadgol Z, Soong L, Zeinali M, **Mokhayeri Y**, et al. The burden of leishmaniasis in Iran, acquired from the global burden of disease during 1990-2010. *Asian Pac J Trop Dis*. 2017;7:513-8.
<https://researchexperts.utmb.edu/en/publications/the-burden-of-leishmaniasis-in-iran-acquired-from-the-global-burd>
33. **Mokhayeri Y**, Naderimagham S, Mohammadi R, Rahimi E, Rahimzadeh S, Badirzadeh A, et al. Burden of vaccine-preventable diseases—measles, tetanus, diphtheria and whooping cough—in Iran: findings from the GBD study 2010. *Archives of Iranian medicine*. 2016.
<https://pubmed.ncbi.nlm.nih.gov/27293052/>
34. Mansouri A, **Mokhayeri Y**, Tavakol Z. Sleep onset latency in students living in dormitories at Tehran University of medical sciences: A survival analysis. Research Journal of Pharmaceutical, *Biological and Chemical Sciences*. 2016;7(2):2127-35.
<http://eprints.skums.ac.ir/1040/>
35. Iranfar K, **Mokhayeri Y**, Mohammadi G. Time trend analysis of oral cancer in Iran from 2005 to 2010. *Asian Pac J Cancer Prev*. 2016;17(3):1421-6.
<https://pubmed.ncbi.nlm.nih.gov/27039783/>
36. Badirzadeh A, Naderimagham S, Asadgol Z, **Mokhayeri Y**, Khosravi A, Tohidnejad E, et al. Burden of malaria in Iran, 1990-2010: findings from the global burden of disease study 2010. A Badirzadeh, Sh Naderimagham, Z Asadgol. *Archives of Iranian medicine*. 2016.
<https://pubmed.ncbi.nlm.nih.gov/27041518/>
37. **Mokhayeri Y**, Mahmoudi M, Haghdoost AA, Amini H, Asadi-Lari M, Naieni KH. How within-city socioeconomic disparities affect life expectancy? Results of Urban HEART in Tehran, Iran. *Medical journal of the Islamic Republic of Iran*. 2014;28:80.
<https://pubmed.ncbi.nlm.nih.gov/25405145/>
38. Amini H, Shahri SMT, Amini M, Mehrian MR, **Mokhayeri Y**, Yunesian M. Drinking water fluoride and blood pressure? An environmental study. *Biological trace element research*. 2011;144(1-3):157-63.
<https://pubmed.ncbi.nlm.nih.gov/21484404/>

39. Farzi F, Hasanvand SH, Goudarzi F, Tahvildarzadeh Gavgani M, **Mokhayeri Y**. Management of students' uncivil behaviors in academic environments: A context-based educational intervention. Journal of Education and Health Promotion. 2021. 10:229.
<https://pubmed.ncbi.nlm.nih.gov/34395666/>
40. Armoon B, **Mokhayeri Y**, Haroni J, Karimy M, Norrozi M. How is the Quality of Life of Students?: The Role of Depression, Anxiety and Stress. Polish Psychological Bulletin. 2019; 50(1): 43-48.
<https://www.proquest.com/openview/c68a208fc873ccadafd5415e1278f258/1?pq-origsite=gscholar&cbl=2026623>

RESEARCH PROJECTS (ongoing)

1. An intelligent model for predicting mortality in patients with coronary artery disease using machine learning algorithms

CONGRESS

Title	Congress	Location	Date	Presentation
Quality Gap of Health Care Services in Khorramabad Urban Health Centers	The First International and 4 th National Congress on Health Education and Promotion	Iran	2011	Poster
The Association Between Physical Activity and Atrial Fibrillation: Applying Heaviside Function in Survival Analysis	World Congress of Epidemiology	Japan ¹	2017	Oral
Does Weight Mediate the Effect of Smoking on CHD? Considering Time-Varying Exposure, Mediator, and Confounders	World Congress of Epidemiology	Australia ²	2021	Oral

¹not attended. Accepted for oral presentation.

²virtual congress.

TEACHING

- Research Methodology
- Principles of Epidemiology
- Statistical Methods in Epidemiology
- Workshop: Statistical analyses using Stata

SKILL SET

Stata (advanced) / SPSS Statistical Tool / SAS / R Software / EndNote / Microsoft Word / Microsoft Excel / Microsoft PowerPoint