

Curriculum Vitae (CV)



Personal Information

Name: Fatemeh Shahbazi

Date of Birth: 1991 January 26

Place of Birth: Hamedan, Nahavand

Nationality: Iranian

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Position: Assistant Professor of Epidemiology, Department of Epidemiology, School of Health, Hamadan University of Medical Sciences, Hamadan, Iran

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Research interests

1. Epidemiology of non-communicable diseases.
2. Systematic review and meta-analysis, dose-response meta-analysis, network meta-analysis.
3. Social epidemiology.
4. Predictive models in epidemiology.

Honors

1. Talented BSc student of Arak University of Medical Sciences.
2. Talented MSc student of Shahid Beheshti University of Medical Sciences.
3. Talented PhD student of Hamadan University of Medical Sciences.
4. Superior researcher student of the country in 2021.
5. Selected by the National Elite Foundation in the project of Shahid Vazvaei in 2022.
6. Superior researcher student of Hamedan University of Medical Sciences in 2022.

Academic and professional qualifications

2015	BSc	Public Health	Arak University of Medical Sciences
2018	MSc	Epidemiology	Shahid Beheshti University of Medical Sciences
2023	PhD	Epidemiology	Hamadan University of Medical Sciences

Skills

Microsoft office, SPSS, Stata, R, Graphpad Prism, End note, Review Manager, Mendeley, GIS, and, Joinpoint Regression

Papers

1. Shahbazi F, Davood Mirtorabi S, Mahdavi SAH, Hashemi Nazari SS. Trend of Mortality Rate Due to Drowning in Iran (2013–2018). Archives of Trauma Research. 2020;9(3):111-5.
2. Shahbazi F, Khazaei S. Socio-economic inequality in global incidence and mortality rates from coronavirus disease 2019: an ecological study. New microbes and new infections. 2020;38:100762.
3. Shahbazi F, Mirtorabi D, Ghadirzadeh MR, Hashemi-Nazari SS. Analysis of mortality rate of illicit substance abuse and its trend in five years in Iran, 2014-2018. Addiction & health. 2018;10(4):260.
4. Shahbazi F, Mirtorabi D, Ghadirzadeh MR, Shojaei A, Nazari SSH. Years of life lost (Yll) due to substance abuse in iran, in 2014-2017: Global burden of disease 2010 method. Iranian journal of public health. 2020.
5. Shahbazi F, Mirtorabi S, Ghadirzadeh M, Ghoreishi S, Hashemi Nazari S. Epidemiological study of mortality from drug abuse in bodies referred to Iranian Legal Medicine Organization in 2013-2014. Iranian Journal of Epidemiology. 2018;14(1):9-18.

6. Shahbazi F, Mirtorabi SD, Ghadirzadeh MR, Hashemi-Nazari SS, Barzegar A. Characterizing mortality from substance abuse in Iran: An epidemiological study during March 2014 to February 2015. *Addiction & health*. 2017;9(3):166.
7. Shahbazi F, Nazari SSH, Soori H, Khodakarim S. Socioeconomic inequality in mortality from road traffic accident in Iran. *Journal of research in health sciences*. 2019;19(1):e00437.
8. Shahbazi F, Ranjbaran M, Karami-Far S, Soori H, Manesh HJ. Graft survival rate of renal transplantation during a period of 10 years in Iran. *Journal of research in medical sciences: the official journal of Isfahan University of Medical Sciences*. 2015;20(11):1046.
9. Shahbazi F, Solgi M, Khazaei S. Predisposing risk factors for COVID-19 infection: a case-control study. *Caspian Journal of Internal Medicine*. 2020;11(Suppl 1):495.
10. Shahbazi F, Soori H, Khodakarim S, Ghadirzadeh M, Hashemi Nazari S. Investigation of Geographical and Socioeconomic Inequalities in Mortality from Road Traffic Accidents in Corpses Referred to Legal Medicine Organization of Iran. *Iranian Journal of Epidemiology*. 2019;15(1):57-67.
11. Shahbazi F, Soori H, Khodakarim S, Ghadirzadeh MR, Hashemi Nazari SS. Analysis of mortality rate of road traffic accidents and its trend in 11 years in Iran. *Archives of Trauma Research*. 2019;8(1):17-22.
12. Shahbazi F, Soori H, Khodakarim S, Ghadirzadeh MR, Shojaei A, Hashemi Nazari SS. Investigation of the role of traffic police function in reducing geographical inequalities in mortality from road traffic accidents. *Archives of Trauma Research*. 2018;7(3):92-7.
13. Shahbazi M, Shahbazi F. COVID-19 and children with special healthcare needs: Recommendations for helping parents and caregivers of young children. *Archives of Pediatric Infectious Diseases*. 2021;9(1):1-3.
14. Yazdi-Ravandi S, Khazaei S, Shahbazi F, Matinnia N, Ghaleiha A. Predictors of completed suicide: Results from the suicide registry program in the west of Iran. *Asian Journal of Psychiatry*. 2021:102615.
15. Barzegar A, Shahbazi F, Mirtorabi D, Ghadirzadeh MR, Shojaei A, Hashemi Nazari S. Quantification of mortality rate from illicit substance abuse in Iran in 2016. *International Int J Med Toxicol Forensic Med*. 2018;8(4):123-30.
16. Ghoreishi SMS, Shahbazi F, Mirtorabi SD, Ghadirzadeh MR, Nazari SSH. Epidemiological study of mortality rate from alcohol and illicit drug abuse in Iran. *Journal of research in health sciences*. 2017;17(4):395.
17. Choobineh H, Danesh G, Mansouri N, Najafi Majareh M, Shahbazi F, Hashemi Nazari S. Investigation of health, safety and environment indicators in tehran municipality organizations: Challenges, weaknesses, strengths and corrective strategies. *Iranian Journal of Epidemiology*. 2020;16(2):144-52.
18. Ghajari H, Mirtorabi D, Ghadirzadeh MR, Kangavari HN, Shahbazi F, Nazari SSH. Agreement between family report and laboratory results of amphetamine-induced death. *Toxicologie Analytique et Clinique*. 2020.

19. Kangavari HN, Barzegar A, Mirtorabi SD, Ghadirzadeh MR, Forouzesh M, Taherpour N, et al. Exploring change in trend of homicide incidence rate in Iran from 2006 to 2016: applying segmented regression model. *Journal of Research in Health Sciences*. 2020;20(2):e00477.
20. Mirzakhani N, Dehghan F, Shahbazi M, Shahbazi F. Distribution of sensory processing disorder in children 5 to 11 years in Tehran city. *International Journal of Applied Behavioral Sciences*. 2016;3(2):21-6.
21. Mirzakhani N, Dehghan F, Shahbazi M, Shahbazi F. Frequency of Sensory Processing Disorders in Children Aged 5 to 11 Years Old. *Journal of Mazandaran University of Medical Sciences*. 2019;29(174):72-81.
22. Shahbazi F, Karami M, Mirzaei M, Mohammadi Y. Survival Rates and Prognostic Factors in Patients with Coronavirus Disease 2019: A Registry-Based Retrospective Cohort Study. *Journal of Research in Health Sciences*. 2021.
23. Karami M, Mirzaei M, Shahbazi F, Keramat F, Jalili E, Bashirian S, et al. Predictors of death in patients with COVID-19: A cross-sectional study in West of Iran. *Medical Journal of The Islamic Republic of Iran*. 2021;35(1):796.
24. Ali Shirzad A, Jalili E, Shahbazi F, Bahrami H, Khazaei S, S. G. Epidemiological and Maternal Features of Maternal Mortality in the West of Iran: Hamadan, 2011-2019. *Current Women`s Health Reviews*. 2021;17(1):1-5.
25. Poorolajal J, Heidarimoghisi F, Karami M, Cheraghi Z, Gohari-Ensaf F, Shahbazi F, et al. Factors for the Primary Prevention of Breast Cancer: A Meta-Analysis of Prospective Cohort Studies. *Journal of Research in Health Sciences*. 2021.
26. Shahbazi F, Morsali M, Poorolajal J. The effect of silica exposure on the risk of lung cancer: A dose-response meta-analysis. *Cancer Epidemiology*. 2021;75:102024.
27. Morsali M, Poorolajal J, Shahbazi F, Vahidinia A, Doosti-Irani A. Diet Therapeutics Interventions for Obesity: A Systematic Review and Network Meta-Analysis. *Journal of Research in Health Sciences*. 2021;21(3):e00521.
28. Khazaei S, Ahmadian M, Bashirian S, Shirahmadi S, Jenabi E, Shahbazi F, et al. Determinants of Dental Caries Experience in Children Aged 7-12 Years in Hamadan, Iran: A Case-Control Study. *International Journal of Pediatrics*. 2021.
29. Karami M, Khazaei S, Shahbazi F, Mirzaei M, Biglarkhani A, Ataei A, et al. Epidemiological Features of Covid-19 Epidemic in Hamadan Province, Finding of a Ten-Month Period. *Iranian Journal of Epidemiology*. 2021;17(3):244-53.
30. Ghelichkhani S, Jenabi E, Jalili E, Alishirzad A, Shahbazi F. Pregnancy outcomes among SARS-CoV-2-infected pregnant women with and without underlying diseases: a case-control study. *Journal of medicine and life*. 2021;14(4):518.

31. Shahbazi M, Khazaei S, Moslehi S, Shahbazi F. Effect of Massage Therapy for the Treatment of Neonatal Jaundice: A Systematic Review and Dose-Response Meta-analysis. *International Journal of Pediatrics*. 2022;2022.
32. Shahbazi F, Shahbazi M, Poorolajal J. Association between socioeconomic inequality and the global prevalence of anxiety and depressive disorders: an ecological study. *General psychiatry*. 2022; 35: e100735.
33. Ghaderi H, Shahbazi F, Moiedi Dana M, Adabi M. Investigation of the Necessity of Petroff Method for More Accurate Diagnosis of Tuberculosis in Tuberculosis Reference Laboratory of Hamadan Province, Iran, During the COVID-19 Pandemic. *Avicenna J Clin Med*. 2022; 29(2): 74-80. DOI: 10.32592/ajcm.29.2.74
34. Shahbazi F, Doosti-Irani A, Soltanian AR, Poorolajal J. National trend and projection of etiology-based chronic kidney disease incidence from 1990 to 2030 in Iran: a Bayesian-age-period-cohort modeling study. *Epidemiology and Health*. Accepted.
35. Adabi M, Alamian S, Varasteh-Shams M, Ghaderi H, Shahbazi F, Gharekhani J. Molecular investigation of *Brucella* species belongs to sheep and goats in seropositive samples from an endemic area of Hamedan Province; Famenin brucellosis cohort study. *Archives of Razi Institute*.
36. Choobineh H, Parisai Z, Shahbazi F, Danesh GH, Nasri M, Hashemi Nazari SS. Assessing the Performance of the Health, Safety and Environment Management System (HSE) in the area of human resources in the 22 districts of Tehran. *Iranian Journal of Epidemiology*. Accepted.
37. Mortazavi SS, Foroughan M, Hosseini SA, Nasiri E, Shahbazi F. Negative Factors Affecting the Sleep Quality of the Elderly in Iran: A Systematic Review. *Archives of Rehabilitation*. 2021 Jul 10; 22(2):132-53.
38. Mehri A, Sotoodeh Ghorbani S, Farhadi-Babadi K, Rahimi E, Barati Z, Taherpour N, Izadi N, Shahbazi F, et al. Risk Factors Associated with Severity and Death from COVID-19 in Iran: A Systematic Review and Meta-Analysis Study. *Journal of Intensive Care Medicine*. 2023:08850666231166344.
39. Shahbazi F, Khazaei S, Mirzaei M, Bathaei SJ, Zahiri A, Karami M. Estimation of mortality rate and the years of lost life from COVID-19 infection in Hamadan Province. *Iranian Journal of Epidemiology*. Accepted.
40. Izadi N, Shahbazi F, Mokhayeri Y, Seifi A, Taherpour N, Mehri A, et al. Intensive care unit admission and associated factors in patients hospitalized for COVID-19: A national retrospective cohort study in Iran. *BMJ Open*. Accepted.
41. Morsali M, Poorolajal J, Shahbazi F, Vahidinia A, Doosti-Irani A. Simultaneous Comparison of Pharmaceutical Therapies for the Treatment of Obesity: A Network Meta-Analysis. *Clinical Therapeutics*.

42. Shahbazi M, Alizadeh Zarei M, Shahbazi F, Mirzakhani N. Sensory Processing in the General Population of Children Ages 0-14 Years Old. *Iranian Rehabilitation Journal* 2023; 21 (2):2-2.
43. Ayubi E, Shahbazi F, Khazaei S. Decomposing difference in the kidney cancer burden measures between 1990 and 2019 based on the global burden of disease study. *Scientific Reports*. 2024;14(1):10390.
44. Ghayour AE, Nazari S, Keramat F, Shahbazi F, Eslami-Ghayour A. Evaluation of the efficacy of N-acetylcysteine and bromhexine compared with standard care in preventing hospitalization of outpatients with COVID-19: a double blind randomized clinical trial. *Revista Clínica Española (English Edition)*. 2024;224(2):86-95.

Papers presented in national and international conferences

1. Fatemeh Shahbazi. Brucellosis trend in west of Iran during the last decade: applying jointpoint regression model to detect the change in trend of brucellosis incidence rate: 2010-2019. The 13th university students conference on innovations in health sciences (Poster).
2. Fatemeh Shahbazi. Epidemiological and maternal features of maternal mortality in the west of Iran: Hamadan 2011-2019. The 13th university students conference on innovations in health sciences (Poster).
3. Fatemeh Shahbazi. Trend in geographical inequalities in mortality from road traffic accidents in the Iran, 2006-2015. 8th International conference on reducing burden of traffic accidents (poster).
4. Fatemeh Shahbazi. Brucellosis trend in west of Iran during the last decade: applying jointpoint regression model to detect the change in trend of brucellosis incidence rate: 2010-2019. The 11th university students conference on innovations in health sciences (Poster).
5. Fatemeh Shahbazi. Socioeconomic inequality in mortality from road traffic accident in Iran 2006-2015. The 11th university students conference on innovations in health sciences (Poster).
6. Fatemeh Shahbazi. Epidemiological study of mortality rate from illicit drug abuse in Iran during March 2015 to February 2015. The 11th university students conference on innovations in health sciences (Poster).
7. Fatemeh Shahbazi. Years of life lost (YLL) due to substance abuse in Iran, in 2015-2017, GBD 2010 methods. The 12th International Addiction Science Congress (Oral Presentation).

8. Fatemeh Shahbazi. Characterizing mortality from substance abuse in Iran: an epidemiological study. The 12th International Addiction Science Congress (Poster).
9. Fatemeh Shahbazi. Prevalence of parent's perception of sensory processing disorders among 5_11 years old children in Tehran. The 7th Basic and Clinical Neuroscience Congress (Poster).
10. Fatemeh Shahbazi. Socioeconomic inequality in years of life lost (YLL) due to road traffic accident in Iran. 9th International conference on reducing burden of traffic accidents (poster).
11. Fatemeh Shahbazi. Trend of age-adjusted mortality rate from road traffic accidents in Iran, 2006-2016. 9th International conference on reducing burden of traffic accidents (poster).
12. Fatemeh Shahbazi. Socioeconomic and geographical inequalities in mortality from road traffic accident in 2016 in Iran . 9th International conference on reducing burden of traffic accidents (poster).
13. Fatemeh Shahbazi. Investigation the role of traffic police function in reducing the disparities in mortality from road traffic accident. 9th Iranian congress of Epidemiology (poster).
14. Fatemeh Shahbazi. Trend of crude mortality rate due to drowning in Iran. 9th Iranian congress of Epidemiology (poster).
15. Fatemeh Shahbazi. Socio-economic inequality in global incidence and mortality rates from coronavirus disease 2019: an ecological study. The first international conference of COVID-19 and health system: the lessons learned (Poster).
16. Fatemeh Shahbazi. Determining survival rates and influencing factors in COVID-19 patients in the west of Iran via proportional hazard cox model: A registry-based retrospective cohort study. The first international conference of COVID-19 and health system: the lessons learned (Oral Presentation).
17. Fatemeh Shahbazi. Predictors of death in the patients with COVID-19: A cross-sectional study in west of Iran. The first international conference of COVID-19 and health system: the lessons learned (Poster).
18. Fatemeh Shahbazi. Predisposing risk factors for COVID-19 infection: A case-control study. The first international conference of COVID-19 and health system: the lessons learned (Poster).
19. Fatemeh Shahbazi. The effect of silica exposure on the risk of lung cancer: A dose-response meta-analysis. 1st international and 14th national student conference on "innovation in health sciences" (Poster).

20. Fatemeh Shahbazi. A case-control study to investigate the risk factors for dental carries in children aged 7 to 12 years old. 1st international and 14th national student conference on “innovation in health sciences” (Poster).
21. Fatemeh Shahbazi. Investigation of Health, safety and environment indicators in neighborhood houses covered by Tehran municipality: challenges weakness and strengths and corrective strategies. 1st international and 14th national student conference on “innovation in health sciences” (Poster).
22. Fatemeh Shahbazi. Estimating survival rates and prognostic factors in COVID-19 patients: A retrospective cohort study. 1st international and 14th national student conference on “innovation in health sciences” (Poster).
23. Fatemeh Shahbazi. Estimation of mortality rate and the years of lost life from COVID-19 infection in Hamadan province. 1st international and 14th national student conference on “innovation in health sciences” (Poster).
24. Fatemeh Shahbazi. Effect of Massage Therapy for the Treatment of Neonatal Jaundice: A Systematic Review and Dose-Response Meta-analysis. 1st international and 14th national student conference on “innovation in health sciences” (Poster).
25. Fatemeh shahbazi. The effect of silica exposure on the risk of lung cancer: A dose-response meta-analysis. The 6th International cancer congress (Poster).
26. Fatemeh shahbazi. National trend and projection of Breast & Cervical cancer incidence among Iranian Women from 1990 to 2030: a Bayesian-age-period-cohort modeling study. The 6th International cancer congress (Poster).
27. Fatemeh shahbazi. National trend and projection of Breast cancer incidence among Iranian Women from 1990 to 2030: a Bayesian-age-period-cohort modeling study. The 6th International cancer congress (Poster).
28. Fatemeh Shahbazi. National trend and projection of Breast cancer incidence among Iranian Women from 1990 to 2030: a Bayesian-age-period-cohort modeling study. The 17th international breast cancer congress (Poster).

Research projects

1. Investigating the survival rate of kidney transplant and the factors affecting it in the transplanted patients of Arak City between 2013 and 2015.

2. Inequality in mortality and injuries from road traffic accidents between car economy classes in Iran in 2015 and decomposition it to influential factors.
3. Evaluation of educational and research performance of faculty members and students of the School of Public Health of Shahid Beheshti University of Medical Sciences: 2011-2016.
4. Evaluation of quality of life and its influential factors in patients with thalassemia major.
5. Evaluation of treatment adherence and its influential factors in patients with thalassemia major.
6. Assessing the status of methadone use based on toxicological tests in the deceased from drug abuse in the years 2011-2016.
7. Trend analysis of the homicide rate by joinpoint regression in Iran during 2006-2015.
8. Investigating the inequality in the mortality from road traffic accidents between the provinces and cities of the country in 2015.
9. Investigating inequality in mortality from road traffic accidents and examining its trend in Iran between 2006 and 2015.
10. Investigating the determinants of dental caries experience in 7-12 year old children in Hamedan city: a case-control study.
11. Calculation of the burden of death due to drug abuse in corpses referred to forensic medicine in Iran in the years 2013 to 2015.
12. Spatial analysis of the mortality from drug abuse among the provinces of Iran in 2017.
13. Investigating the trend and share of death due to heavy vehicle accidents among all traffic accidents from 2006 to 2017.
14. Investigation of mortality from type 2 traffic accidents and non-traffic accidents in Iran from 2012 to 2016.
15. Epidemiological study of COVID-19 epidemic in Hamadan province.
16. Investigation of frequency and factors affecting the mortality of pregnant mothers in Hamedan province between 2018 and 2019.
17. Evaluation of maternal and neonatal risk factors for preterm delivery in Fatemieh Hospital, Hamadan 2014.
18. Extracting the minimum data required for reporting and recording outbreaks of influenza, eltor cholera, leptospirosis, Crimean Congo fever, measles and food poisoning.
19. Simultaneous comparison of available interventions for weight loss: a systematic review and network meta-analysis.
20. Analysis of the incidence rate from brucellosis using joinpoint regression in Nahavand city in the west of Iran during the years 2010 to 2019.
21. Assessing the risk factors for COVID 19: A case-control study
22. Determination of suicide risk factors: a cross-sectional study in west of Iran.
23. Investigation inequality in the incidence and mortality rate of COVID-19 infection in the world: An ecological study.
24. Managing the covid-19 epidemic in Hamadan province: analysis of strengths and weaknesses.

25. Investigating the need to perform the Petroff method for a more accurate diagnosis of tuberculosis in the health centers of the cities of Hamadan province during the Covid-19 pandemic.
26. Investigation of the prevalence of brucellosis in domestic animals (cows, sheep and goats) in Iran between 2000 to 2020.A: systematic review and meta-analysis.
27. Investigating the survival rate of patients with COVID-19 infection in Hamedan province: a retrospective cohort study.
28. Estimating the years of life lost (YLL) due to the infection of COVID-19 infection in Hamadan province.
29. Isolation of Brucella bacteria from serologically positive livestock samples collected from Hamedan province and Brucellosis Famenin cohort by culture method and confirmation and genetic determination of their species by PCR technique.
30. Estimating the mortality rate from road traffic accidents in the country and determining its pattern in 2014 using the capture recapture method with 3 sources of forensic medicine, police and hospital.
31. Investigation of agreement between laboratory findings and family reports of drug abuse & psychotropic substances death.
32. Estimation mortality rate and years of life lost (YLL) due to work-related accidents in Iran from 2012 to 2016.
33. Investigating the trend of mortality rate drowning among the all provinces of the country in the period of 2011-2016.
34. Applying logistic regression to determine the risk factors of death due to COVID-19 infection using registration data.
35. Investigating the mortality rate of pregnant mothers since the beginning of the corona virus pandemic in Hamadan province.
36. Comparison of risk factors and complications of delivery in pregnant women with COVID-19 infection with underlying disease and without underlying disease.
37. Hamadan Silica of cohort study.
38. Comparison of individual, clinical and para-clinical features of deceased and recovered patients with COVID-19 infection who referred to teaching hospitals of Hamadan city in 2021.
39. Investigation of the prevalence of polycystic ovary syndrome in women aged 15 to 45 in Hamadan city in 2021: a population-based study.
40. Determining the status of health, safety and environmental indicators in the neighborhood of 22 districts of Tehran Municipality.
41. The effect of silica exposure on lung cancer: A dose-response meta-analysis.
42. Comparison of the effect of acetylcysteine and Bromhexine on the rate of improvement and prevention of hospitalization in outpatients referred to Dibaj hospital in 2021: a double-blind clinical trial study.
43. The effect of massage therapy on the treatment of neonatal jaundice: A dose-response meta-analysis.

44. Investigating the trend of incidence and mortality rate from chronic kidney disease in the world and its prediction until 2030: A modeling study.
45. Spatial analysis of geographic inequality in mortality from drug abuse in Iran in 2019.
46. Evaluation of laboratory parameters in patients with COVID-19 infection in Hamadan city.
47. Risk factors of infection, mortality and prognosis in patients with COVID-19 infection in Iran (Nimad grant)
48. Estimating the re-infection rate in covid-19 patient in Iran (Nimad grant)
49. Investigating the trend of mortality rate from drowning in Iran between 2006-2021.
50. Investigation and comparison of the annual incidence and prevalence of brucellosis in Faminin city during the years 2017-2022 (The era before and after the corona pandemic) and investigation of related risk factors.
51. Investigating the therapeutic effects of krill oil and its supplement products on interleukins, TNF-alpha and C-reactive protein in chronic inflammatory disorders - a systematic review based on randomized clinical trials.

Teaching

During recent years I have made contributions to teaching, both at the undergraduate and postgraduate level. My teaching experience is in the following fields:

Basic Epidemiology

Geography pathology

Basic research methodology

Advanced research methodology

Occupational diseases and their epidemiology

Epidemiology of non-communicable diseases

Multiple training courses in the field of Stata, SPSS, GIS, EndNote, Proposal writing, Article Writing, Graphpad Prism, evidence base Medicine, etc.