
Curriculum Vitae

Shirin Nosratnejad,

Last update: April 2024

1. Personal Information

First name: Shirin

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2. Academic Details

Academic Qualifications:

- PhD in Health Economics, Tehran University of Medical Sciences, Tehran, Iran. (2009 - 2014): [Enhancing Universal Health Coverage in Iran: An Econometrics Analysis of Demand Function and Influencing Factors on Health Insurance Access](#)
- MSc in Health Economics, Iran University of Medical Sciences, Tehran, Iran. (2005- 2008): [The Relationship between Complementary Health Insurance Coverage and Macroeconomic Variables: 1990-2003](#)
- BA in Health Service Management, Iran University of Medical Sciences , Tehran, Iran (2004)

Scientific Position:

- Full-time researcher, Tabriz University of Medical Sciences, Since 2014.
- Researcher, Iranian Evidence Based Research Center (2014 to 2018).
- Researcher, Tabriz Health Services Management Research Center, Since 2014

ICT Skills:

- **Technical Software:** Stata package, TreeAge, Matlab, SPSS, RevMan, R–Rstudio, Eviews, EndNote, Mendeley
- **Windows-Based Programs:** Microsoft Package (Word, PowerPoint, Excel, Access, Outlook and EndNote)

3. Research Interests

- Applied analysis of observational datasets & Population based studies
- Preference based study
- Systematic Review and Meta-Analysis
- Economic Evaluation of healthcare programs

4. Research project

- 1- Economic considerations in Covid-19 vaccination: a systematic review of global evidence, cost analysis, budget impact, and factors affecting financing preferences and individuals' willingness to pay using a general population survey and econometric technics, grant from Iran National Science Foundation (INSF): Running.
- 2- Evaluation Health Transforming Plan in access to equity in Health Care financing in Iran: Analysis of Longitudinal National Survey of 70000 households, Tabriz University of Medical Sciences (TUoMS), 2021. Completed
- 3- Analysing of inequality in burn incidents: A study of National Survey of Disasters. Tabriz University of Medical Sciences (TUoMS), 2023: Running
- 4- National Survey of Iran Multiple Indicator Demographic and health Survey (IrMIDHS), 2015. Iran Ministry of Health (MOHME), Completed.
- 5- Economic Burden of Road Traffic Injuries in Iran, Tabriz University of Medical Sciences (TUoMS), 2019. Completed.
- 6- Investigating Catastrophic and Impoverishing Health Care Expenditures: Survey of 3000 Households of East Azerbaijan Province, 2018. Iran Ministry of Health (MOHME), 2020. Completed
- 7- Analysis of Health Services Utilization among elderly Iranians between 2002: 2015: National longitudinal Survey of 35000 households, Tabriz University of Medical Sciences (TUoMS), 2018. Completed

- 8- Economic Analysis of Primary Health Care: Estimation Unit Costs, Utilization and Risk-Adjusted Capitation Payment for Private and Governmental health complex in Tabriz. Iran Ministry of Health (MOHME), 2018- Completed
- 9- Socioeconomics determinants of household's health expenditures in East Azerbaijan Province: Application of Heckman Selection model, Tabriz University of Medical Sciences (TUOMS): Running.
- 10- Exploring cost-effectiveness and key determinants of willingness to pay for Covid-19 vaccination: A Systematic literature review, Tabriz University of Medical Sciences (TUOMS): Running.
- 11- Investment Case Resulting from the Implementation of Road Crash Prevention Program: A Case Study of Iran, Tabriz University of Medical Sciences (TUOMS), Running
- 12- Economic Burden and Cost of Road Traffic Injuries in low-middle oncome countries versus high income countries: A Systematic Review, Tabriz University of Medical Sciences (TUOMS): Running.
- 13- Willingness to Pay for prevention and treatment of dental care services in Tabriz Households in 2017. Tabriz University of Medical Sciences (TUOMS), 2021. Completed
- 14- Enhancing Universal Health Coverage in Iran: An Econometrics Analysis of Demand Function and Influencing Factors on Health Insurance Access, Iran Ministry of Health (MOHME), 2014. Completed
- 15- Cost Analysis of Hospitalized COVID-19 Patients: A Micro-Costing Study in Tabriz. Tabriz University of Medical Sciences (TUOMS), 2022.
- 16- Cost-of-illness analysis of coronary artery disease, Tabriz University of Medical Sciences (TUOMS), Completed.
- 17- Cost-of-illness analysis of lung cancer, Tabriz University of Medical Sciences (TUOMS), Completed.
- 18- Self- management training Program Compared to Standard Care in Patient with Type 2 Diabetes: Cost –Effectiveness Alongside Clinical Trial. Iran health insurance Organization: Running.
- 19- The Study of Inequality in Consumption of Harmful Diet: Analysis of National Survey. Tabriz University of Medical Sciences (TUOMS), 2023.Completed.
- 20- Assessing the Cost- Effectiveness of Combined CTNI & CKMB Testing in Hospitalized Acute Coronary Syndrome Patients, 2022. Tabriz University of Medical Sciences (TUOMS), 2023. Completed.

- 21- Cost-Effectiveness of Mammography Screening for Breast Cancer in a Low Socioeconomic Group of Iran, Ministry of Health and Medical Education (MOHME) of Iran 2014, Completed.
- 22- Cost-effectiveness of Anemia Screening in Vulnerable Groups: A Systematic Review, Tehran university of Medical Sciences(TUMS), 2013. Completed
- 23- Cost- Effectiveness of Breast Cancer screening: A Systematic Review, Tehran university of Medical Sciences(TUMS), 2013. Completed.

5. Publications, Peer reviewed journal

- 1- **Nosratnejad S** , Rahmani S, Yousefi M and Khabiri R, (2024). Assessing women's stated preferences for breast cancer screening: a systematic review and a meta-analysis. BMC Health Services Research, (2024) 24:1501
- 2- M Moeeni M, **Nosratnejad S***, Rostampour M, Ponnet K. (2023). To what extent has the Iranian Health Transformation Plan addressed inequality in healthcare financing in Iran? International Journal for Equity in Health 22 (1), 1-7
- 3- **Nosratnejad S***, Rahmani S, Yousefi M, and Moeeni M. (2023). Women's Willingness to Pay for Mammography Screening under Two Medical Information Scenarios. European Journal of Cancer Care, Volume 2023, Article ID 3732383, 5 pages
- 4- **Nosratnejad S**, Rashidian A, Dror DM. (2016). Systematic Review of Willingness to Pay for Health Insurance in Low and Middle Income Countries. PLOS ONE, 11(6): e0157470.
- 5- **Nosratnejad S**, Barfar E, Hosseini H, Barooti E, & Rashidian A. (2014). Cost-effectiveness of Anemia Screening in Vulnerable Groups: A Systematic Review. International Journal of Preventive Medicine, 5(7), 813–819.
- 6- Rashidian A, Barfar E, Hosseini H, **Nosratnejad S**, & Baroti E. (2013). Cost Effectiveness of Breast Cancer Screening Using Mammography; a Systematic Review. Iranian Journal of Public Health, 2013, 42(4), 347–357.
- 7- Rostampour M, **Nosratnejad S***. (2021). A Systematic Review of Equity in Healthcare Financing in Low- and Middle-Income Countries. Value in Health Regional Issues, 21, pp. 133-140
- 8- Khezri A, Mahboub-ahari A, Tabrizi J.S, **Nosratnejad S***. (2022). Weight of Risk Factors for Adjusting Capitation in Primary Health Care: A

Systematic Review. Medical Journal of the Islamic Republic of Iran, 2022; 36(1),2

- 9- Shami E, Tabrizi J S, and **Nosratnejad S***. (2019). The Effect of Health Insurance on the Utilization of Health Services: A Systematic Review and Meta-Analysis. Galen Med J. 2019; 8: e1411
- 10- Salehi A, Jannati A, **Nosratnejad S**, Heydari L. Factors influencing the inpatients satisfaction in public hospitals: a systematic review. Bali Medical Journal, 2018
- 11- Azimzadeh S, Tabrizi J S, **Nosratnejad S**, Farahbakhsh M, Azami Aghdash S, Mashhadi Abdolahi H. (2019). Effective factors of utilization of inpatient, outpatient, diagnostic, and pharmaceutical health services: a systematic review. Galen Medical Journal, Volume 8, e1236
- 12- Arjvand F, Moeeni M, Najafi B, **Nosratnejad S***. (2023). Factors Affecting Inequality in the Quality Diets: A Scoping Review. Value in Health Regional Issues. Volume 37, September 2023, Pages 105-112
- 13- **Nosratnejad S**, Rashidian A, Mehrara M, Jafari N, Moeeni M and Babamohamadi H. (2016). Factors Influencing Basic and Complementary Health Insurance Purchasing Decisions in Iran: Analysis of Data From a National Survey. World Medical & Health Policy. 8: 179–196. doi:10.1002/wmh3.187
- 14- Moeeni M, **Nosratnejad S***(2018). Never will I give advice till you please to ask me thrice: Estimating willingness to pay for health insurance using 3 different methods with evidence from Iran. The International journal of health planning and management.
- 15- **Nosratnejad S**, Rashidian A, Mehrara M, Sari A A, Mahdavi G, & Moeini M. (2014). Willingness to Pay for Social Health Insurance in Iran. Global Journal of Health Science, 6(5), 154–163.
- 16- **Nosratnejad S**, Rashidian A, Sari A A, Moradi N. (2017) Willingness to Pay for Complementary Health Care Insurance in Iran. Iranian journal of public health. 2017;46(9):1247
- 17- Nemati E, Khezri A, **Nosratnejad S*** (2020). The study of out-of-pocket payment and the exposure of households with catastrophic health expenditures following the health transformation plan in Iran. Risk Management and Healthcare Policy, 13, pp. 1677-168
- 18- Sadeghivand F, Khodayari-Zarnaq R, **Nosratnejad S***. (2023) Households' Willingness to Pay for Receiving Preventive and Therapeutic Dental

Services: The Double- Bounded Dichotomous Choice Approach Health Scope. 2023 November; 12(4):e135540.

- 19- Moradi N, Rashidian A, **Nosratnejad S**, (...), Zanganeh M, Zarei L. (2018). The Worth of a Quality-Adjusted Life-Year in Patients with Diabetes: An Investigation Study using a Willingness-to-Pay Method. *Pharmacoeconomics - Open*, (2018); 3(3), pp. 311-319
- 20- Moradi N, Rashidian A, **Nosratnejad S**, (...), Zanganeh, M, Zarei, L. (2019) Willingness to pay for one quality-adjusted life year in Iran. *Cost Effectiveness and Resource Allocation*, 17(1),4
- 21- Raeisi P, Ghaderi H, **Nosratnejad S***, (2006). The Relationship between Sales of Complementary Health Insurance policies and Macroeconomic Variables: 1990-2003, *Journal of Health Administration*, 29 (24), 7 – 16
- 22- **Nosratnejad S**, Purreza A, Moieni M, Heydari H, (2014). Factors Affecting the demand for private health insurance in Tehran, *Journal of Hospital*. *Journal of Hospital* 13 (2), 37-44
- 23- **Nosratnejad S**, Rashidian A, Jafari N, Ahari M A, (2012). Universal health coverage and factor affecting health insurance coverage: analysis of secondary National Households Survey. *Depiction of Health* 2 (4), 28-35
- 24- Barfar E, Rashidian A, Hosseini H, Nosratnejad S, Barooti E. (2014). Cost-effectiveness of mammography screening for breast cancer in a low socioeconomic group of Iranian women. *Archives of Iranian Medicine*; Tehran. Vol. 17, Issues. 4.; 241-5.,
- 25- Zakeri R, **Nosratnejad S***, Sadeghi-Bazargani H, Dalal K, Yousefi M. (2021). The economic burden of road traffic injuries until one-year after hospitalization: A survey study. *Accident Analysis and Prevention*, 163,106459
- 26- **Nosratnejad S**, Esmaeili R, Tabrizi J S, Mahboub-Ahari A. (2018). Development of age-sex adjusted capitation payment: The experience of Iranian public health complexes. *The International journal of health planning and management*. 2018.
- 27- Mir H, Seyednejad F, Jalilian H, **Nosratnejad S**, Yousefi M. (2020). Cost of lung cancer in East Azerbaijan province, in Iran, in 2017. *International Journal of Pharmaceutical and Healthcare Marketing*, 14(3), pp. 461-470
- 28- Darba S, Safaei N, Mahboub-Ahari A, **Nosratnejad S**, Alizadeh G, Ameri H, Yousefi M. (2020). Direct and indirect costs associated with coronary

artery (Heart) disease in Tabriz, Iran, Risk Management and Healthcare Policy, 13, pp. 969-978

- 29- Khezri A, *Nosratnejad S*, Sattari A, Zakaria Zadeh S. (2020). Determining the Cost of Hospital Services Using the Top-Down Costing Method. Health Research Journal 5 (4), 211-22

6. Grants and Contracts

- 1- Self- management training Program Compared to Standard Care in Patient with Type 2 Diabetes: Cost –Effectiveness Alongside Clinical Trial. Iran health insurance Organization: Date of award 2023. Amount of the award 350,000,000 Rials.
- 2- Evaluation Health Transforming Plan in access to equity in Health Care financing in Iran: Analysis of Longitudinal National Survey of 70000 households, Tabriz University of Medical Sciences (TUoMS). Date of award 2020. Amount of the award 120,000,000 Rials.
- 3- The Study of Inequality in Consumption of Harmful Diet: Analysis of National Survey. Tabriz University of Medical Sciences (TUoMS). Date of award 2022. Amount of the award 120,000,000 Rials.
- 4- Economic considerations in Covid-19 vaccination, Iran National Science Foundation (INSF). Date of award 2022. Amount of the award 420,000,000 Rials.
- 5- Investigating Catastrophic and Impoverishing Health Care Expenditures: Survey of 3000 Households of East Azerbaijan Province, 2018. Iran Ministry of Health (MOHME); Date of award 2020. Amount of the award 80,000,000 Rials.
- 6- Analysis of Health Services Utilization among elderly Iranians between 2002: 2015: National longitudinal Survey of 35000 households. Tabriz University of Medical Sciences (TUoMS). Date of award 2018. Amount of the award 220,000,000 Rials.
- 7- Economic Analysis of Primary Health Care: Estimation Unit Costs, Utilization and Risk-Adjusted Capitation Payment for Private and Governmental health complex in Tabriz. Iran Ministry of Health (MOHME), Date of award 2018. Amount of the award 350,000,000 Rials.
- 8- Differential Willingness to Pay for Kidney Transplantation From Living and Deceased Donors: A Survey of End-Stage Kidney Patient. Tabriz University of

Medical Sciences (TUoMS). Date of award 2023. Amount of the award 200,000,000 Rials.

- 9- Willingness to Pay for Prevention and Treatment of Dental Care Services: A Survey of Tabriz Households. Tabriz University of Medical Sciences (TUoMS). Date of award 2020. Amount of the award 220,000,000 Rials.
- 10- Enhancing Universal Health Coverage in Iran: An Econometrics Analysis of Demand Function and Influencing Factors on Health Insurance Access. Iran Ministry of Health (MOHME). Date of award 2014. Amount of the award 300,000,000 Rials.
- 11- Cost Analysis of Hospitalized COVID-19 Patients: A Micro-Costing Study in Tabriz. Tabriz University of Medical Sciences (TUoMS). Date of award 2022. Amount of the award 100,000,000 Rials.

7. Abstract & Presentation

- 1- Systematic review of willingness to pay for health insurance in LMLIC. Research integrity & evidence – based practice. Kish, Iran. 2015. Type: Oral Presentation.
- 2- Keynote speaker: Health technology assessment. Research integrity & evidence – based practice. Kish, Iran. 2015
- 3- Implementing Academic Orientation Program for First –Year students in Tabriz University of Medical Sciences, 22nd international Conference on Medical Profession Education, Shiraz, Iran, May 2021. Type: Oral Presentation.
- 4- Developing a Course program (Curriculum) for getting Master of Public Health (MPH) in Health Financial Management (HFM-MPH), The 1st National Congress on Accountability in Medical Education, Iran Tabriz, August 2018. Type: Poster
- 5- Iranian Women’s Knowledge of HIV / AIDS and their Attitudes Toward People Living with AIDS: A national study. The 3rd International and the 7th National Iranian Congress of HIV/AIDS. Tehran Iran. 2018. Poster
- 6- Factor affecting social and complementary health insurance in Iran. Third Global Symposium on Health Systems Research. 2015 Cape Town: poster

8. Honours:

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- Awarded Ph.D. Scholarship, Iran Ministry of Health, 2010.
 - Awarded for Developing and promoting the apprenticeship program for Master students of health economics" in Tabriz university of medical sciences, 15th National Festival for Medical Education best practice experiences, Iran ministry of health, 2018

9. Course

Course Teaching

- 1- Applied econometrics in Health (MSc Health Economics).
- 2- Health Economics (BSc / MSc of Health Administration).
- 3- Microeconomics (BSc of Health Administration).

Short Courses/Workshops

1. Systematic review and meta-analysis, Tabriz University of Medical Sciences, 2014-2015, (assistant)
2. Quality assessment and critical appraisal tools for economic evaluation studies (1-day workshop for researchers), National Institute of Health Research of Iran (NIHR), 2018, Tehran, Iran (instructor).
3. Health Technology Assessment (5-day workshop for Iranian researchers), National Institute of Health Research of Iran (NIHR), 2021, Tehran, Iran (co-instructor).
4. Comprehensive Systematic Review Fellowship, the University of Adelaide, the Joanna Briggs Institute, 2016, Tabriz, Iran (trainee).
5. Systematic Review and Meta-Analysis, National Institute of Medical Research and Development (NIMAD), Tehran, Iran, 2016 (trainer)
6. International Cost-Effectiveness and Extended cost – effectiveness. Short course. WHO for EMRO Researcher. Cairo, Egypt. 17- 23th Jan 2015 (trainer).
7. Academic Writing workshop. (3-days workshop for researchers). Tabriz University of Medical Sciences, 2016 (trainer).
8. Data Analysis via STATA-11, EndNote and Mendeley. National Iranian Health Institute, Tehran, Iran, 2011 - 2012 (trainer).

10. Membership of professional bodies:

- Member of Health Economic Association, Tehran, Iran. [2007 - Present]
- Member of Examination Board for evaluation the field of Health Economics, Iran [2018-present]

11. Reviewer in Journals

1. Plos One
2. BMC Health Services Research

3. BMC Public Health
 4. Health Policy and Management
 5. Health Policy and Planning
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