








Tabriz University  
of Medical Sciences

## Mahmood Yousefi



### 1. Contact Details

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-  **Address:** Department of Health Economics, School of Management and Medical Informatics, Daneshgah St, Tabriz, IRAN
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-  [Mahmood Yousefi - Google Scholar](#)

### 2. PERSONAL DETAILS

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**Date of Birth:** 1980-6-22

**Nationality:** Iranian

**Languages:** Turkish (Azeri), Persian, English

**Education:**

- PhD: Health Economics
- MSc: Health Economics
- BA: Public Health

**Thesis:**

- **PhD Thesis:** Examining the Impact of Using Different Health-Related Quality of Life (Health Utility) Measurement Tools on Decision Analytic Models (Cost-effectiveness Analysis) for Breast Cancer Patients: Comparing Chemotherapy Vs. Trastuzumab
- **MSc Thesis:** Analysing the Hospital Production Function for Hospitals Affiliated with Ormieh University of Medical Sciences.

### 3. Research and teaching Interests

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- Health economics foundations - Economic evaluation in health care - Estimating economic burden of diseases - Health care finance and payment systems- Financial analysis of health care facilities

### 4. Teaching experience

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- 2015-present: department of health economics, Tabriz University of Medical Sciences, Iran.

### 5. Publications

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- **Peer-reviewed publications:** Google scholar : [Mahmood Yousefi - Google Scholar](#)

## Works Published:

1. Niloofar Falsafi, **Mahmood Yousefi (\*Supervisor)**, Alireza Mahboub-Ahari, Hadi Abdollahzad, **Taxing for Change: An Umbrella Review of Impacts of Sugar-Sweetened Beverages (SSBs) Taxation in Low and Middle-Income Countries**, Health Scope, 2025.
2. Samira Nourifard, Shahram Ghaffari, **Mahmood Yousefi (\*Supervisor)**, **An Estimation of Cost-Effectiveness Threshold: Calculating the Monetary Value of a Quality-Adjusted Life Year**, Depiction of Health, 2025
3. Nastaran Nemati, **Mahmood Yousefi (\*Supervisor)**, Fatemeh Keshvari-Shad, Soleiman Akbari, Eshagh Barfar, **Assessing patient satisfaction with hemodialysis and peritoneal dialysis care and associated factors in Iran**, International Urology and Nephrology, 2024.
4. Shahriyar Mokhtary, Ali Janati, **Mahmood Yousefi**, Behzad Raei **"Evidence on the effectiveness of value-based payment schemes implemented in a hospital setting: A systematic review"** Journal of Education and Health Promotion, 2024.
5. Shahriar Mokhtary, Ali Janati, **Mahmood Yousefi**, Behzad Raei, Fardin Moradi **"Challenges of Hospital Payment Systems in Iran: Results from a Qualitative Study"**, Ethiopian Journal of Health Sciences, 2024
6. Farbod Alinezhad, Hossein Zare, Chunling Lu, Zahra Mahmoudi, **Mahmood Yousefi(\*Supervisor)**, **"Financial burden of prostate cancer in the Iranian Population: a cost of illness and financial risk protection analysis"** Cost Effectiveness and Resource Allocation, 2023
7. Leila Doshmangir, **Mahmood Yousefi**, Edris Hasanpoor, Behzad Eshtiagh, Hassan Haghparast-Bidgoli, **Determinants of catastrophic health expenditures in Iran: a systematic review and meta-analysis**, Cost Effectiveness and Resource Allocation, 2021.
8. Tabrizi JS, Goshayie EH, Doshmangir L, **Yousefi M. The Barriers to Implementation of New Public Management Strategies in Iran's Primary Health Care: A Qualitative Study**. J Liaquat Uni Med Health Sc, 2018.
9. **Mahmood Yousefi**, Satar Rezaei, Sakineh Hajebrahimi, Niloofar Falsafi & Fatemeh Keshvari-Shad **Peritoneal dialysis vs. hemodialysis among patients with end-stage renal disease in Iran: which is more cost-effective"** BMC Nephrology, 2024
10. **Mahmood Yousefi**, Habib Jalilian, Somayeh Heydari, Farshad Seyednejad, Nazanin Mir **"Cost of lung cancer: a systematic review"** Value in Health Regional Issues, 2023
11. Tabrizi JS, HaghGoshayie E, Doshmangir L, **Yousefi M, New public management in Iran's health complex: a management framework for primary health care system**. Prim Health Care Res Dev. 2018 Jan 9:1-13.

12. **Mahmood Yosefi (\*Supervisor)**, Satar Rezae, manoochehr Khoshbaten, Maryam Sarmasti, **"Cost-effectiveness analysis of different screening strategies for helicobacter pylori infection in Iran: a model-based evaluation"** Helicobacter, 2023.
13. Zahra Mahmoudi, Hosein Zare, Maryam Chenaghloou, Naser Safaei, **Mahmood Yousefi(\*Supervisor)**, **"Heart failure: A prevalence-based and model-based cost analysis"** Frontiers in Cardiovascular Medicine, 2023.
14. Shirin Nosratnejad, Shiva Rahmani, **Mahmood Yousefi**, Maryam Moeeni **"Women's Willingness to Pay for Mammography Screening under Two Medical Information Scenarios"** European Journal of Cancer Care, 2023.
15. Ensiyeh Seyedrezazadeh, Neda Gilani, Khalil Ansarin, **Mahmood Yousefi**, Akbar Sharifi, Amir Hossein Jafari, Younes Aftabi. Mehdi Najmi, Ilker Dastan, Masoud Pour Moghaddam, **"Economic Burden of Asthma in Northwest Iran"** Iranian Journal of Medical Sciences (IJMS), 2023.
16. **Mahmood Yousefi**, Ilker Dastan, Farbod Alinezhad, Mansour Ranjbar, Christoph Hamelmann, Afshin Ostovar, Alireza Moghisi, Awad Mataria, Asmus Hammerich, Slim Slama, Nasim Pourghazian **"Prevention and Control of Non-communicable Diseases in Iran: The Case for Investment"**, BMC Public Health, 2022
17. Mansur Haji Esmaeili, Farshad Seyednejad, Alireza Mahboub-Ahari, Hosein Ameri, **Mahmood Yousefi(\*Supervisor)** **"Cost-effectiveness analysis of lung cancer screening with low-dose computed tomography in an Iranian high-risk population"**, Journal of Medical Screening, 2021
18. Farhad Khalili, Behzad Najafi, Fariborz Mansour-Ghanaei, **Mahmood Yousefi(\*Supervisor)**, Hadi Abdollahzad, Ali Motlagh, **"Cost-Effectiveness Analysis of Colorectal Cancer Screening: A Systematic Review"** Risk Management and Healthcare Policy, 2020.
19. Maryam Sarmasti, Manoochehr Khoshbaten, Farhad Khalili, **Mahmood Yousefi(\*Supervisor)**, **"Cost-Effectiveness of Screening Helicobacter pylori for Gastric Cancer Prevention: a Systematic Review"**, Journal of Gastrointestinal Cancer, 2021.
20. RaanaZakeri, ShirinNosratnejad, HomayounSadeghi-Bazargani, KoustuvDalal, Mahmood Yousefi, **"The economic burden of road traffic injuries until one-year after hospitalization: A survey study"**, Accident Analysis & Prevention, 2021.
21. Shahla Darba, Naser Safaei, Alireza Mahboub-Ahari, Shirin Nosratnejad, Gisoo Alizadeh, Hosein Ameri, **Mahmood Yousefi(\*Supervisor)**, **"Direct and**

**Indirect Costs Associated with Coronary Artery (Heart) Disease in Tabriz”, Iran, Risk Management and Healthcare Policy,2020**

22. Habibeh Mir, Farshad Seyednejad, Habib Jalilian, Shirin Nosratnejad, **Mahmood Yousefi(\*Supervisor),, Cost of lung cancer in East Azerbaijan province, Iran, in 2017**, International Journal of Pharmaceutical and Healthcare Marketing,2020.
23. Rona Bahreini, Masoumeh Gholizadeh, FethiyeGulin Gedik, **Mahmood Yousefi**, Ali Janati, **Components of contributing conditions to strengthen health system management and leadership capacity building: a systematic review and decision making framework**, Leadership in Health Services, 2021.
24. Adineh Jafarzadeh, Alireza Mahboub-Ahari, Moslem Najafi, **Mahmood Yousefi**, Koustuv Dalal, **Medicine storage, wastage, and associated determinants among urban households: a systematic review and meta-analysis of household surveys**, BMC Public Health, 2021.
25. **Yousefi M**, Nahvijou A, Ameri H, **Mapping QLQ\_C30 onto EQ-5D-5L and SF-6DV2 in patients with Colorectal and Breast Cancer from a Developing country**, Value in Health Regional Issues, 2021.
26. Azin Nahvijou, Hossein Safari, **Mahmood Yousefi**, Marziyeh Rajabi, Morteza Arab-Zozani, Hosein Amer, **Mapping the cancer-specific FACT-B onto the generic SF-6Dv2**, Breast Cancer,2020.
27. Hosein Ameri, Hossein Safari, **Mahmood Yousefi**, Reza Goudarzi, Moslem Sofi, **Interim value set for the EQ-5D-5L in Iran using the Crosswalk method**, Medical Journal of The Islamic Republic of Iran (MJIRI),2020.
28. **M Yousefi**, H Safari, AA Sari, B Raei, H Ameri, **Assessing the performance of direct and indirect utility eliciting methods in patients with colorectal cancer: EQ-5D-5L versus C-TTO**, Health Services and Outcomes Research Methodology, 2019.
29. Ameri H, **Yousefi M**, Yaseri M, Nahvijou A, Arab M, Akbari Sari Ali, **Mapping EORTC-QLQ-C30 and QLQ-CR29 onto EQ-5D-5L in Colorectal Cancer Patients**, Journal of Gastrointestinal Cancer, 2019.
30. H Ameri, **M Yousefi**, M Yaseri, A Nahvijou, M Arab **“Mapping the cancers pecific QLQ-C30 onto the generic EQ-5D-5L and SF-6D in colorectal cancer patients”** Expert Review of Pharmacoeconomics & Outcomes Research, 2019.
31. **M Yousefi**, YB Sheikhrabat, S Najafi, Sh Ghaffari, H Ghaderi, SE Memarzadeh, M Barouni **“Mapping Catquest Scores onto EQ-5D Utility Values in**

**Patients with Cataract Disease**" Iranian red crescent medical journal (IRMJ),2016.

32. **M Yousefi**, S Najafi, Sh Ghaffari, Hossein Ghaderi **"Comparison of the SF-6D and the EQ-5D in patients with breast cancer"** Iranian red crescent medical journal (IRMJ),2016.
33. A Mahboub-Ahari, S Hajebrahim, **M Yousefi**, A Velayati **"EOS imaging versus current radiography: A health technology assessment study"** Medical Journal of The Islamic Republic of Iran (MJIRI), 2016.
34. Alireza Mahboub-Ahari, Sakineh Hajebrahim, Fatemeh Sadeghi-Ghyassi, **Mahmood Yousefi**, **The use of Holmium and Tolumium YAG Laserassisted technologies in benign prostatic hyperplasia surgery: A health technology assessment study**, Jorjani Biomedicine Journal, 2016.
35. **Mahmood Yosefi**, Rasol EntezarMahdi, Roghyyeh Jafari, **Assessing the Workload of Health Care Practitioners (Moraghebe Salamat) in Urban Health Posts of West Azarbaijan Province in 2017**, Journal of Clinical Research in Paramedical Sciences,2020.
36. Morteza Arab-Zozani, Fatemah Hashemi, Hossein Safari, **Mahmood Yousefi**, Hosein Amer, **Health-Related Quality of Life and its Associated Factors in COVID-19 Patients**, Osong public health and research perspectives,2020.
37. F Keshvari-shad, S Hajebrahim, Maria Pilar Laguna Pes, A Mahboub-Ahari, M Nouri, F seyednejad, **M Yousefi**, **"Systematic Review of Screening Tests for Chronic Kidney Disease: An Accuracy Analysis"**, Galen Medical Jouranl, 2020.
38. Rahim Khodayari-Zarnaq, **Mahmood Yousefi**, Mohammad Hajizadeh, Mahdiyeh Heydari, **Medical tourists' perspectives on the quality of care in Iran**, Anatolia, 2020.
39. E. Sarbazi, **M. Yousefi**, B. Khami, R. Ettekal-Nafs, T. Babazadeh, and S. Gaffarifam, **"Epidemiology and the survival rate of burn-related injuries in Iran: a registry-based study"**, Ann Burns Fire Disasters. 2019 Mar 31; 32(1): 3–9.
40. Yousef Haghnia, Taha Samad-Soltani, **Mahmood Yousefi**, Habib Sadr, Peyman Rezaei-Hachesu, **"Telepsychiatry- Based Care for the Treatment Follow-Up of Iranian War Veterans with Post-Traumatic Stress Disorder: A Randomized Controlled Trial"**, Iranian Journal of Medical Sciences, 2019.

41. Dariush Jafarzadeh, Ramin Rezapour, Teimour Abbasi, Jafar Sadegh Tabrizi, **Mahmood Yousefi**, “**Studies Reporting Quality as a Major Challenges in Conducting Meta-Analysis: An experience in Effectiveness of fissure sealant and fluoride varnish in preventing dental caries**”, Journal of Clinical Research & Governance, 2019.
42. Mehdi Kian M, Raei B, Afradi Asbagharani P, **Yousefi M**, Mousavi Rigi S A, Salehi M, Mirabi Shiraz Sh, “**Comparison of the technical efficiency of the hospital sector: Panel data analysis of the Iranian hospitals using parametric and non-parametric approaches**”, Bali medical journal, 2019
43. HeydariM, **Yousefi M**, Derakhshani N, Khodayari-zarnagh R, **factors affecting the satisfaction of medical tourists: a systematic review**, journal of health scope, 2019.
44. B Raei, **M Yousefi**, K Rahmani<sup>3</sup>, S Afshari, and H Ameri,” **Patterns of productivity changes in hospitals by using Malmquist – DEA Index: A panel data analysis (2011–2016)**” Australasian medical journal, 2017;10(10):856-864.
45. M Abdekhoda, A Dehnad, **M Yousefi**, “**Effectiveness of training intervention to improve medical student’s information literacy skills**”, Korean journal of medical education, 2016.
46. Sh Ghaffari, A Mohamadzadeh, S Akbari, P Salem Safi, **M Yousefi** “**costing in hospital services: economists and accountants' approaches**” Journal of Hospital, Tehran University of Medical Sciences, 2013.
47. AM Ahari, FS Ghyassi, **M Yousefi**, M Amjadi, A Mostafaie, “**Green Light Photo Selective Vaporization of the Prostate vs. Transurethral Resection of Prostate for Benign Prostatic Hyperplasia**” Journal of Lasers in Medical Sciences, 2012.
48. A Mostafaie, AM Ahari, FS Ghyassi, S Hajebrahimi, **M Yousefi** “**Femtosecond Laser Versus Mechanical Microkeratome in Thin-Flap Laser in Situ Keratomileusis (Lasik) for Correction of Refractive Errors an EvidenceBased Effectiveness and Cost Analysis**”, Journal of Lasers in Medical Sciences, 2011.
49. Rona Bahreini, Masumeh Gholizadeh, Mahmood Yousefi, Ali Janati, “**Elements of management and leadership strengthening in health systems: a qualitative study from Iran**” Journal of Management Development, 2022



50. S Hajebrahim, A Mahboub-Ahari F Ghyassi Sadeghi. A Mostafaie, **M Yousefi**, **"Holmium Laser Prostate Enucleation (HOLEP) Versus Trans-Urethral Resection of Prostate (TURP) in Treatment of Symptomatic Prostatic Enlargement;A Health Technology Assessment"** Journal of Lasers in Medical Sciences; Tehran Vol. 2, Iss. 1, (2011): 36.

51. M.hadian , M.R. Govhari , **M Yousefi "** **An estimation of hospital production function in Orumieh University of medical Sciences"** , journalof health administration, Iran University of Medical Sciences, 2007

- **Book (in Persian):**

- **Mahmood.Yousefi**, Alireza.M.Ahari, "An Introduction to Medical Statistics, Detailed Review Series". Jamenegar Salemi publication, Tehran, 3rd edition, 2013.

## **6-Professional experience and current position**

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- 1- Director for National Public Health Management Centre (NPMC) at Tabriz University of Medical Sciences, (the centre is a WHO-Collaborating Centre for Training and Research on Health System Management) (Present).
- 2- Faculty, Department of Health Economics, Tabriz University of Medical Sciences (Present).
- 3- Global Technical Consultation: recognized by both the World Bank and WHO as a global technical consultant to estimate the economic burden of foodborne diseases. More information can be found here: WHO Announcement (<https://www.who.int/news-room/articles-detail/public-notice-and-comment-world-bank-and-who-global-technical-consultation-on-the-economic-burden-of-foodborne-diseases-4-and-6-february-2025>).
- 4- Consultant for designing the regional training course focused on the costing of Universal Health Coverage (UHC) Packages in the WHO- Eastern Mediterranean Regional Office (2024)
- 5- Trainer of the module for "Hospital Financial Management" in WHO-EMRO training of trainers (TOT) course on hospital management for hospital managers from Afghanistan (2023).
- 6- Consultant for designing the course for "Financial Management for Hospital Non-Financial Managers" for WHO-EMRO (2022).
- 7- Head of health economics department, Tabriz University of Medical Sciences (2018-2019).
- 8- Focal point for conducting WHO-EMRO&NPMC (WHO-CC) joint regional Training of Training (TOT) program on hospital care management, for Hospital managers from Iraq and Afghanistan,2018.

## **7. Research experience**

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- **Principal Investigator(PI):** Review the results of implementing the Healthy Cities Program in Sahand City, funded by WHO. 2024 (ongoing)

- **Principal Investigator(Supervisor):** Excise tax on Sugar Sweetened Beverage and non-communicable disease reduction: A cost effectiveness analysis in Iran, (ongoing)
- **PI:** Road Traffic crashes prevention: an investment case analysis in Iran (2023-2024)
- **Co-Author:** Cost-effectiveness analysis of community wide public education and awareness campaign and its impact on NCD (2023-2024)
- **PI:** Cost-of-illness analysis of Heart Failure disease in Northwest of Iran (2021-2023)
- **PI:** Non-Communicable Disease Investment case: the case of Iran, in collaboration with WHO (2018- 2019) (using OneHealth Tool)
- **PI:** Analyzing 30 years' trend of out of pocket payments in Iran (2019-2020)
- **PI:** Cost-of-illness analysis of coronary artery disease, Iran (2016-2018)
- **PI:** Cost-of-illness analysis of Lung cancer, Iran (2016-2018)
- **PI:** Cost-effectiveness analysis of lung cancer screening, Iran (2016-2018)
- **PI:** Cost-effectiveness analysis of Chronic Kidney Disease screening (2016-2018)
- **PI:** The estimation of hospital production function in hospitals affiliated with Orumieh University of Medical Sciences. (2004-2006)
- **PI:** An investigation of the impact of using different Health-Related Quality of Life measuring instruments on decision analytic model for breast cancer patients: Chemotherapy vs. Trastuzumab.(2010-2014)
- **PI:** Cost-effectiveness analysis of colorectal cancer screening, Iran (2017-2020)
- **PI:** Cost-effectiveness analysis of dental preventive interventions in school-based children, Iran (2017-2020)
- Cost-effectiveness analysis of helicobacter pylori screening (2019-2020)
- **PI:** Estimation of the Cost-effectiveness thresholds using WTP : Monetary valuation of a QALY(2017-2020)
- **PI:** Estimating the catastrophic payments and cost-of-illness in patients with prostate cancer (2015-2017).
- **Contribution to** Implementation the System of Health Accounts (SHA.2) in Iran. (2019-2020)
- **PI:** Cost-effectiveness analysis of haemodialysis and peritoneal in patients with chronic kidney: Iran`s Health Insurance Organization perspective (2020-underway).
- **Contribution to:** HTA of CO2 insufflation in gastrointestinal endoscopies (2020)
- **PI:** Efficacy and Cost effectiveness of (Sacubitril and valsartan) with (ACE inhibitors) in treatment of Chronic Heart Failure, HTA office, Ministry of Health Iran (2021- ongoing) (2020)
- **PI:** Health Technology Assessment of Left Ventricular Assist Devices (Heart mate3 3<sup>TM</sup> compared to drug therapy in treatment of advanced heart failure (HF), HTA office, Ministry of Health Iran (2021- ongoing)

## 8. Honours and awards

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- Awarded best researcher award for 2021 in the School of Management and Medical Informatics, at Tabriz University of Medical Sciences.
  - Selected as **distinguished teacher** in 2017 among the academic members in the School of Management and Medical Informatics, Tabriz University of Medical Sciences.

## 9. Capacity building courses attended

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- **Advanced course on health financing for UHC 2022**, WHO facilitated course, April 2022
- **Tobacco taxation modelling**, WHO-FCTC Secretariat facilitated course, 14-18 March 2022
- **Health financing for universal health coverage**, WHO online training course, February 2022.
- **Building Resilience, Developing Sustainable Health Care Systems and Advancing Universal Health Coverage in Developing Countries**, A joint WHO and Harvard Medical School Course on Health Systems, March 31, 2019 – April 3, 2019, Dubai, UAE.
- **Regional Training Workshop to Develop Non-Communicable Diseases (NCDs) Investment Cases, using OneHealth tool**, in the WHO-Eastern Mediterranean Region, 5-8 November 2018, Beirut, Lebanon.
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- **Economic Evaluation for the WHO-EMRO region** in Cairo, Egypt, 14-18 December 2014.
- **Health Technology Assessment (HTA)**, School of Health and Related Research, University of Sheffield, 2013(Online course)
- **International Cost-Effectiveness workshop in health & medicine**, Kermanshah University of Medical Sciences, Iran, 17th -20th Jan 2011