

Brief resume

Leila Zarei

Assistant Professor in Pharmacoeconomics and Pharma Management



Personal

- ❖ Leila Zarei, born in 1987 August 26, Shiraz, Iran.
- ❖ Female, Married, Three children; Hasti, Taha, Hilda
- Permanent Address: Health Policy Research Center, Building No.2. 8th Floor School of Medicine Zand Avenue, Shiraz, Iran.
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Education background

Graduation

- PhD in Pharmacoeconomics and pharma management in 2018 from Shahid Beheshti University of Medical Science.
 - *First rank student in department of Pharmacoeconomics and pharma management in 2017*
- MSc. in Health economics in 2013 from Kerman University of Medical Science.
- BSc. in Health service management in 2010 from Shiraz University of Medical Science.
- Diploma in natural science in 2005.

Thesis

- Ph.D Thesis: Providing an integrated model for allocation of scarce drugs in Iran (Advisor: Dr. F. Peiravian, Dr. HR. Rasekh, and Dr. MS. Pishvaeii).
- MSc. Thesis: Evaluation of pharmaceutical demand in Iran (Advisor: Dr. M Baroni, Dr. R Godarzi).
- BSc. Thesis: Comparative study of job development needs of nurses in Namazi Hospital, Shiraz (Advisor: Dr. E Kharazmi, Dr. Y Sarikhani).
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Work Experiences

- Iran Ministry of Health/ Food and Drug Organization (2017)

Job title: Advisor of Food and Drug deputy in area of Health Technology Assessment.

- Shiraz University of Medical Science/ Health Policy Research Center (2018-2020)

Job title: Research assistant.

- Shiraz University of Medical Science/ Health Policy Research Center (2021-up to now)

Job title: Assistant professor.

- Iran Ministry of Health/ Food and Drug Administration (2021 up to now)

Job title: A member of the pharmacoeconomics technical committee.

Books and articles

Books

1. Participation in authorship “Kerman Health Development Document: Analysis of the current situation and strategies”.
1. Taking part in authorship of “Futures Studies in Health: methods of scenarios planning” book.
2. IFDA Report: “Food and Drug Organization of Iran/ developing a framework for economic evaluation of food safety regulations in Iran, the case of fatty acids reduction policy and related regulations”.

Articles

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My google scholar profile:

<https://scholar.google.com/citations?user=MXShWQYAAAAJ&hl=en>

1. Najmeh Moradi, **Leila Zarei***, Narges Hajimoladarvish, Zahra Meshkani, Marzieh Zanganeh, Jafar Babapour, Kamran Bagheri Lankarani (2024). Public Preference for Financing Preventive Vaccines in Health Shocks: The Case of COVID-19 Vaccines in a Middle-Income Country. *harmacoEconomics - Open* (2024) 8:559–568.
2. SN Parashkouhi, I Karimzadeh, A Rezvani, H Abbasian, **Leila Zarei*** (2024). Cost-Utility Analysis of Dose-Dense Methotrexate, Vinblastine, Doxorubicin, and Cisplatin Chemotherapy Regimen in Comparison With Gemcitabine and Cisplatin Chemotherapy

Regimen in the Treatment of Patients With Muscle Invasive Bladder Cancer in Iran.
Value in Health Regional Issues. Available online 30 October 2024, 101051

3. **Leila Zarei**, Seyyed Taghi Heydari, Farzad Doostishoar, Azizallah Dehghan, Reza Tabrizi (2024). Anti-Diabetic Drug Utilization in Fasa, Southern Iran: A Pharmacoepidemiological Study Based on PERSIAN Cohort Data. *International Journal of Nutrition Sciences*.
4. Mehrdad Vossoughi, Mani Kharazi, Arash Mani, Farima Safari, Pardis Habibi, **Leila Zarei**, Yaser Sarikhani, Seyyed Taghi Heydari, Kamran B. Lankarani (2024). Psychological strains after the crisis: evaluating separation anxiety among Iranian children and adolescents in the post- COVID-19 era. *BMC Psychology* (2024) 12:471.
5. **Zarei, L.**, Moradi, N., Peiravian, F., (...), Arabloo, J., Babar, Z.-U.-D.(2022)” Catastrophic pharmaceutical expenditure in patients with type 2 diabetes in Iran”. *International Journal for Equity in Health*, 21(1),188.
6. **Zarei, L.**, Rahimi, F., Heydari, S.T., Parcham, E., Lankarana, K.B.(2022)” The Economic Impact of COVID-19 and Related Coping and Resilience Strategies: The Experience of Iranian Households”. *Health Behavior and Policy Review*, 9(4), pp. 996-1008.
7. Pakdin, M., **Zarei, L.**, Bagheri Lankarani, K., Ghahramani, S. (2023) “The cost of illness analysis of inflammatory bowel disease”. *BMC Gastroenterology*, 23(1),21.
8. Rezaei, S., Peikanpour, M., **Zarei, L.**, Mohammadnezhad, G., Salamzadeh, J.(2023).” An adapted model of cost-related medication nonadherence among older adult patients with chronic diseases: an Iranian qualitative study”. *BMC Geriatrics*, 23(1),208.
9. Akbarpour, Z., **Zarei, L.**, Varahrami, V., Peiravian, F., Yousefi, N.(2023) “Main drivers of diabetes pharmaceuticals expenditures: evidence from OECD countries and Iran”. *Journal of Diabetes and Metabolic Disorders*, 22(1), pp. 431-442.
10. **Zarei, L.**, Moradi, N., Peiravian, F. et al. An application of analytic network process model in supporting decision making to address pharmaceutical shortage. *BMC Health Serv Res* 20(1), 626 (2020). <https://doi.org/10.1186/s12913-020-05477-y>.
11. **Zarei, L.**, Peymani, P., Moradi, N*, Kheirandish, M., Mirjalili, M., Zare, M. (2020). “Affordability of Medication Therapy in Diabetic Patients: A Scenario-Based Assessment in Iran’s Health System Context”. *International Journal of Health Policy and Management*, (Available Online from 22 August 2020). doi: 10.34172/ijhpm.2020.152
12. **Zarei, L.**, Karimzadeh, I., Moradi, N*, Peymani, P., Asadi, S., & Babar, Z.-U.-D. (2020). “Affordability Assessment from a Static to Dynamic Concept: A Scenario-Based Assessment of Cardiovascular Medicines”. *International Journal of Environmental Research and Public Health*, 17(5), 1710. doi:10.3390/ijerph17051710
13. Mosivand A, Rangchian M, **Zarei L***, Peiravian, F, Mehralian (2021) “An Application of Multi-Criteria Decision-Making Approach to Sustainable Drug Shortages Management: Evidence from a developing country”. *Journal of Pharmaceutical Health Care and Sciences*. 2021-12. DOI: 10.1186/s40780-021-00200-3.
14. **Zarei, L.**, Heydari S.T., Moradi, N (2021) “The Effect of Risk Communication on Community Engagement for Preventive and Protective Behaviors during the COVID-19 Outbreak: Mediating Role of Risk Perception”. *BMC public health*. DOI: 10.1186/s12889-020-10125-5.
15. **Zarei L**, Heydari, ST., Lankarani, KB. Shahabi, S (2020) “Citizens’ Expectations from Government in Response to COVID-19 Pandemic: A Qualitative Study in Iran”. *BMC Public Health*. DOI:10.21203/rs.3.rs-25745/v3.

16. **Zarei, L.**, Peiravian, F., pishvae, M., aghababaei, B. (2019). "The Scarce Drugs Allocation Indicators in Iran: A Fuzzy Delphi Method Based Consensus". *Iranian Journal of Pharmaceutical Research*, 18(2), 1126-1135. doi: 10.22037/ijpr.2019.1100678.
17. **Zarei, L.**, Dehnavih R., Anjomshoa M. (2015) "A survey of preparedness of teaching hospitals for developing decision support systems in Kerman University of Medical Sciences". *Health Information Management* 12(2): 236-243.
18. Kalateh Sadati, A., **Zarei, L.**, Shahabi, S., Heydari, S. T*, Taheri, V., Jiriaei, R., Lankarani, K. B. (2020). "Nursing experiences of COVID- 19 outbreak in Iran: A qualitative study". *Nursing Open*. doi:10.1002/nop2.604
19. Zangeneh, M., Moradi, N., **Zarei, L***, Rezapour, A., Lankarani, K.B. (2020) "COVID-19: The Challenge of Disadvantaged Groups and their Access to Care". *Arch Iran Med*. August 2020;23(9). 10.34172/aim.2020.xx
20. Kamali M, Kalateh Sadati A, Khademi MR, Ghahramani S, **Zarei L**, Ghaemi SZ, Tabrizi R, Abkari M, Shokrpour N, Mani A, Heydari ST, Lankarani KB. (2020) "Burnout among nurses during COVID 19 outbreak in Iran". *Galen Medical Journal*. IN PRESS.
21. Zare M, **Zarei L**, Afifi S, Karimzadeh I, Ghaeminia M, Peiravian F, Salehi-Marzijarani M, Lankarani KB, Peymani P. (2020) "The Pharmacists' Patient Care Process in Community Pharmacy Setting: Evidence from Iran". *Acta Biomed* 19(3):e 2020059. DOI: 10.23750/abm.v9i1i3.8027
22. Zare M, Afifi S, Karimzadeh I, Salehi-Marzijarani M, **Zarei L**, Ghazipour Gh, Mirjalili M, Lankarani KB, Sabzghabae AM, Ahmadizar F, Peymani P. (2020) "A population-based study on patients complaining regarding community pharmacies services". *Journal of Research in Pharmacy Practice* 9(2):88. DOI: 10.4103/jrpp.JRPP_19_82
23. Zare M, Afifi S, Karimzadeh I, Salehi-Marzijarani M, **Zarei L**, Lankarani KB, Sabzghabae AM, Mirjalili M, Ahmadizar F, Peymani P.(2020) "A survey on the pattern of medication usage amongst the migrant population residing in southern Iran: Population based study". *Shiraz E-Medical Journal*. IN PRESS.
24. Mehralian, G., Nazari, J. A., **Zarei, L.**, & Rasekh, H. R. (2016). "The effects of corporate social responsibility on organizational performance in the Iranian pharmaceutical industry: The mediating role of TQM". *Journal of Cleaner Production*, 135, 689–698. doi:10.1016/j.jclepro.2016.06.116.
25. Mehralian, G., **Zarei, L.**, Akhgari, M. and Peikanpour, M. (2019), "Does CSR matter in the pharmaceutical distribution industry? The balanced scorecard perspective", *International Journal of Pharmaceutical and Healthcare Marketing*, Vol. 13 No. 2, pp. 228-243. <https://doi.org/10.1108/IJPHM-05-2017-0028>
26. Moradi, N., Rashidian, A., Nosratnejad, S., Olyaeemanesh, A., Zanganeh, M., & **Zarei, L.** (2019). "The Worth of a Quality-Adjusted Life-Year in Patients with Diabetes: An Investigation Study using a Willingness-to-Pay Method". *PharmacoEconomics - Open*. doi:10.1007/s41669-018-0111-2
27. Moradi, N., Rashidian, A., Nosratnejad, S., Olyaeemanesh, A., Zanganeh, M., & **Zarei, L.** (2019). "Willingness to pay for one quality-adjusted life year in Iran". *Cost Effectiveness and Resource Allocation*, 17(1). doi:10.1186/s12962-019-0172-9.
28. Moradi, N., Tofighi, S., Zanganeh, M., akbari Sari, A., & **Zarei, L.** (2015). "Economic Evaluation of Infliximab for Treatment of Refractory Ulcerative Colitis in Iran: Cost-Effectiveness Analysis". *Value in Health*, 18(7), A628. doi:10.1016/j.jval.2015.09.2217

29. Mohammadshahi M, Alipouri Sakha M, **Zarei L**, Karimi M, Peiravian F. “Factors Affecting Medicine-Induced Demand and Preventive Strategies: A Scoping Review”, Shiraz E-Med J. 2019; 20(10):e87079. doi: 10.5812/semj.87079.
30. Karimi Majd Z, Taheri S, **Zarei L**, Peiravian F, Yousefi N. (2018) “Cost-Effectiveness Analysis of Posaconazole versus Liposomal Amphotericin B in the Treatment of Mucormycosis patients in Iran”. Value in Health. 21(3): S317. DOI: 10.1016/j.jval.2018.09.1892
31. Amiresmaili, M., **Zarei, L***, Sheibani, E., Arabpur, A., (2013) “Evaluation of the indicators of hospital information system”. Health Information Management 10(1/29): 1-13.
32. Ghaem, H., Heydari-arjlo, P., **Zarei, L.**, Etehad, R.,(2011) “Investigating how time management and related factors are in the managers of educational hospitals of Shiraz University of Medical Sciences”. Homay Salamat 8(2/39):27.
33. Shahabi, S., Heydari, S.T., Lankarani, K.B., **Zarei L** (2020)“Recommendations to improve the insurance coverage for physiotherapy services in Iran A multi-criteria decision making approach”. Health policy.
34. Ali Reza Estedlal; Arash Mani; Hossein Molavi Vardanjani; Mahsa Kamali; **Leila Zarei**; Seyed Taghi Heydari, PhD; Kamran B Lankarani (2020) “Temperament and character of patients with alcohol toxicity during COVID -19 pandemic”. BMC Psychiatry.
35. Keshavarzi, M.H., Shahabi, S., Kalateh Sadati, A., (...), Heydari, S.T., Bagheri Lankarani, K.(2023) “Requirements for improving social capital among faculty members of medical universities: A multicenter qualitative study”. Health Science Reports, 6(2),e1113.
36. Maharlouei, N., **Zarei, L.**, Lankarani, K.B., Keshavarz, P., Zahedroozegar, M.H.(2022)” Determinants of Participation in Immunization Against COVID-19 Before Vaccine Distribution in Iran”. Shiraz E Medical Journal, 23(11),e127210.
37. Sadati, A.K., Falakodin, Z., Shahabi, S., (...), Heydari, S.T., Lankarani, K.B.(2022)” A Qualitative Study on the Experiences of COVID-19 Ward Nurses in Shiraz, Iran” Shiraz E Medical Journal, 23(9),e120838.
38. Mani, A., Fereidooni, R., Salehi-Marzijarani, M., (...), Heydari, S.T., Lankarani, K.B.(2022)” The prevalence and risk factors of death anxiety and fear of COVID-19 in an Iranian community: A cross-sectional study” . Health Science Reports, 5(4),e706.
39. Mani, A., Pasalar, M., Kamali, M., (...), Heydari, S.T., Lankarani, K.B.(2022)” Correlation Between Anger, Sleep Quality, and Indoor Activities During COVID-19 Quarantine”. Shiraz E Medical Journal, 23(5),e116594.
40. Sarikhani, Y., Khatami, K., Salehi-Marzijarani, M., (...), Estedlal, A., Heydari, S.T.(2022)” Burnout Assessment Among Physicians and Medical Students: Comparing Time-Periods of Coronavirus Disease Outbreak in Shiraz”. Shiraz E Medical Journal, 23(3),e116275.
41. Shafian.SH, Sharif.Z, **Zarei.L**, Hadidi,M, Bagheri Lankarani.K. Assessment of the Iran Action Plan against Antimicrobial Resistance, Journal of Pharmacoeconomics and Pharmaceutical Management. 2023; 9(1):27-38.
42. Sulmaz Ghahramani, **Leila Zarei**, Leila Kasraian, Maryam Mollaie, Hengameh Kasraei, Kamran Bagheri Lankarani (2023). Cost of Blood Products in Iran: A Case Study of the Shiraz Blood Transfusion Organization Using Activity-based Costing. Iran Red Crescent Med J. 2023 June; 25(6):e2472.

43. Arash Mani, Mani Kharazi, Mohammad Reza Yousefi, Ali Akbary, Morteza Banakar, Hossein Molavi Vardanjani, **Leila Zarei**, Mohammad Khabaz Shirazi, Seyed-Taghi Heydari, Kamran Bagheri-Lankarani (2023). GMJ.2023;12:e2512.
44. **Leila Zarei**, Nazila Yousefi, Sajad Azmand, Hasan Joulaei, Kamran Bagheri Lankarani. (2022) The Challenges of Stopping Dual Exchange Rate in Pharmaceutical products and its Correction Effects in Iran. Journal of Culture and Health Promotion of Academy of Medical Sciences. 5(4): 537-542.

Skills and Certifications

- Reward from Presidency of Islamic Republic of Iran, National Elite Foundation: "JAHAT" program, 2023.
- Proficient in Microsoft Office and internet (ICDL).
- Good knowledge in English language.
- Having a history of training and working with the following software:
 - E-Views, TreeAge Pro, SPSS, win Deap, lislser, Mendeley, End Note, MAXQDA, GAMS, R
- Member of Scientific Associations of Pharmacoeconomics and pharma management in Iran.
- Member of National Elite Foundation of Iran.
- Associate editor of Shiraz E-Medical journal.