

## Morteza Arab-Zozani

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### **RESEARCH INTERESTS**

Medical overuse and underuse, Health Policy, Health Technology Assessment (HTA), Healthcare Management, Cancer research, abuse and neglect

### **EDUCATION**

**Ph.D. in Health Policy**, 2019. Tabriz University of Medical Sciences.

Dissertation: *Policy package for Preventing Overuse and Underuse of Healthcare Services in the Iranian Healthcare System*

**M.A. in Health Technology Assessment**, 2015 – Tehran University of Medical Sciences

**B.A. in Public Health**, 2012 – Iran University of Medical Sciences

### **APPOINTMENTS**

- Assistant Professor, *Social Determinants of Health Research Center, Department of Public Health, Birjand University of Medical Sciences, Birjand, Iran.*
- Associate Editor, *BMC health Services Research Journal*
- *GBD collaborator*
- *Cochran Translator Group, Cochran Iran*

## **PUBLICATIONS**

### ***Peer-reviewed Journals***

- The Efficacy of Probiotics Supplementation on the Quality of life of patients with gastrointestinal disease: a systematic review of clinical studies
- Prevalence and Factor Influencing Intimate Partner Violence against Women during COVID-19 Pandemic: A Systematic Review and Meta- Analysis
- A scoping review of COVID-19 vaccine hesitancy: refusal rate, associated factors, and strategies to reduce
- The effectiveness of oral motor interventions on the weight gain, independent oral feeding, and length of hospital stay in hospitalized preterm infants: A systematic review and meta - analysis
- Satisfaction of Patients and Physicians with Telehealth Services during the COVID-19 Pandemic: A Systematic Review and Meta-Analysis
- Strategic Purchasing as an Evidence-Based Approach for Reducing Medical Overuse
- De novo hyaluronic acid-based biomaterial: a promising perspective to manage neurodegenerative diseases
- Factors affecting major depression in Iran: a mixed-method study, Journal of Health
- Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950–2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021
- Temporal patterns of cancer burden in Asia, 1990–2019: a systematic examination for the Global Burden of Disease 2019 study
- Overuse of computed tomography for mild head injury: A systematic review and meta-analysis
- Low-Value Surgical Procedures in Low- and Middle-Income Countries A Systematic Scoping Review
- Burden of breast cancer and attributable risk factors in the North Africa and Middle East region, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019
- Implementing Quaternary Prevention Using the Rural Family Physician Program in Iran: Grounded Theory
- Survival Analysis of Hospital Length of Stay of COVID-19 Patients in Ilam Province, Iran: A Retrospective Cross-Sectional Study

- A systematic review of conservative and surgical treatments for deep gluteal syndrome
- Prevalence of gram-negative bacteria and their antibiotic resistance in neonatal sepsis in Iran: a systematic review and meta-analysis
- Challenges of strategic purchasing in healthcare systems of developing countries: a systematic review and meta-synthesis of qualitative studies
- The Relationship between Air Pollution and Brain Cancer: A Systematic Review and Meta-Analysis
- Assessing the quality of hospital outpatient services in Iran: a systematic review and meta-analysis
- Future of myocardial infarction mortality in Iran: a scenario-based study
- Prevalence of household food insecurity in the marginal area of Birjand, Iran
- Intimate Partner Violence in the Middle East Region: A Systematic Review and Meta-Analysis
- Investigating the strengths and weaknesses of online education during COVID-19 pandemic from the perspective of professors and students of medical universities and proposing solutions: A qualitative study
- Therapeutic effect of turmeric on radiodermatitis: A systematic review
- Overuse of medications in low- and middle-income countries: a scoping review
- Global investments in pandemic preparedness and COVID-19: development assistance and domestic spending on health between 1990 and 2026
- Determination of a cost-effectiveness threshold for cancer interventions in Iran
- Status of Iranian schools' psycho-social environment: cultural adaptation and validation of the Persian version of the W.H.O profile to create Child-Friendly Schools
- Prevalence of physical activity using validated tools among adults during the COVID-19 pandemic in the Eastern Mediterranean region: A systematic review and meta-analysis
- Mapping development and health effects of cooking with solid fuels in low-income and middle-income countries, 2000–18: a geospatial modelling study
- Willingness-to-pay for COVID-19 vaccine in ten low-middle-income countries in Asia, Africa and South America: A cross-sectional study
- The burden of prostate cancer in North Africa and Middle East, 1990–2019: Findings from the global burden of disease study
- Epidemiologic Profile of Microscopic Hematuria in Iran: A Systematic Review and Meta-Analysis
- A systematic review of photocatalytic degradation of humic acid in aqueous solution using nanoparticles

- Vaccine hesitancy among communities in ten countries in Asia, Africa, and South America during the COVID-19 pandemic
- Retention of dental practitioners in rural health services in Iran: Experiences from Kerman province
- Hematological parameters and X-ray exposure among medical radiation workers: a systematic review and meta-analysis
- Assessment of the properties of the EQ-5D-5L in patients with type 2 diabetes mellitus: a systematic review and meta-analysis
- The occurrence, types, reasons, and mitigation strategies of defensive medicine among physicians: a scoping review
- Global, regional, and national burden of hepatitis B, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019
- Strategies for utilisation management of hospital services: a systematic review of interventions
- Perceived risk of infection and death from COVID-19 among community members of low- and middle-income countries: A cross-sectional study .
- The association between environmental cadmium exposure, blood pressure, and hypertension: a systematic review and meta-analysis
- The efficacy and safety of Favipiravir in treatment of COVID-19: a systematic review and meta-analysis of clinical trials
- Beliefs on social distancing and face mask practices during the COVID-19 pandemic in low- and middle-income countries: a cross-sectional study [version 1; peer review: awaiting peer review]
- Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life Years for 29 Cancer Groups From 2010 to 2019 A Systematic Analysis for the Global Burden of Disease Study 2019
- Disaster preparedness and core competencies among emergency nurses: A cross-sectional study
- Vaccine hesitancy among communities in ten countries in Asia, Africa, and South America during the COVID-19 pandemic
- Does strawberry supplementation ameliorate markers of cardiovascular and metabolic health? A systematic review and meta-analysis

- Portal Vein Thrombosis Might Develop by COVID-19 Infection or Vaccination: A Systematic Review of Case-Report Studies
- The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019
- Direct and indirect cost of COVID-19 patients in Iran
- Global, regional, and national mortality among young people aged 10–24 years, 1950–2019: a systematic analysis for the Global Burden of Disease Study 2019
- Barriers and facilitators of colorectal cancer screening in Asia
- Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018
- A Systematic Review and Meta-Analysis of Stature Growth Complications in  $\beta$ -thalassemia Major Patients
- Using emotional intelligence to predict job stress: Artificial neural network and regression models
- Tracking development assistance for health and for COVID-19: a review of development assistance, government, out-of-pocket, and other private spending on health for 204 countries and territories, 1990–2050.
- Outcome evaluation of COVID-19 infected patients by disease symptoms: a cross-sectional study in Ilam Province, Iran, BMC infectious diseases, (2021) 21:903.
- Barriers and facilitators to patient engagement in patient safety from patients and healthcare professionals' perspectives: A systematic review and meta-synthesis, Nursing Forum, 2021.
- Intimate Partner Violence in the Middle East Region: A Systematic Review and Meta-Analysis, 2021
- Global, regional, and national burden of respiratory tract cancers and associated risk factors from 1990 to 2019: a systematic analysis for the Global Burden of Disease Study 2019.

- Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019, The Lancet, 2021.
- Effect of the Health Promotion Plan on the Performance of Hospitals: Evidences from East of Iran, 2021.
- Measuring routine childhood vaccination coverage in 204 countries and territories, 1980–2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1, GBD 2020, Release 1, Vaccine Coverage Collaborators, 2021.
- The efficacy and safety of Favipiravir in treatment of COVID-19: a systematic review and meta-analysis of clinical trials
- Physicians' Attitudes toward Unnecessary Tests and Processes in the Health Care Delivery System; a Cross-Sectional Study
- Assessment of medical equipment maintenance management: proposed checklist using Iranian experience
- Experiences of critical care nurses fighting against COVID-19: A qualitative phenomenological study
- Estimating Utility Values for Health States of DFU Patients Using EQ-5D-5L and cTTO, The International Journal of Lower Extremity Wounds
- Knowledge, attitudes, and practices of the general population about Coronavirus disease 2019 (COVID-19): a systematic review and metaanalysis with policy recommendations
- High Prevalence of Metabolic Syndrome and Its Related Demographic Factors in North of Iran: Results from the PERSIAN Guilan Cohort Study
- Hearing loss prevalence and years lived with disability, 1990–2019: findings from the Global Burden of Disease Study 2019
- Can Health Insurance Protect Against Catastrophic Health Expenditures in Iran? A Systematic Review and Meta-Analysis
- Lessons Learned on How to Manage a Crisis: Coronavirus Disease 2019 and Healthcare System Weaknesses
- Mapping routine measles vaccination in low- and middle-income countries

- Mapping the cancer-specific FACT-B onto the generic SF-6Dv2
- Knowledge, Attitudes, and Practices Among the General Population During COVID-19 Outbreak in Iran: A National Cross-Sectional Online Survey
- Gastrointestinal cancer prevention policies in Iran: A policy analysis of agenda-setting using Kingdon's multiple streams
- A systematic review and meta-analysis of pregnancy and COVID-19: Signs and symptoms, laboratory tests, and perinatal outcomes
- Exploratory factor analysis of gender-based metabolic syndrome components: Results from the PERSIAN Guilan cohort study (PGCS)
- Analysis of Documents and Media about Unnecessary Services in the Iranian Health System
- Health-Related Quality of Life and its Associated Factors in COVID-19 Patients
- Global burden of 87 risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019
- Exploratory factor analysis of gender-based metabolic syndrome components: Results from the PERSIAN Guilan cohort study (PGCS)
- Survival Rate of Colorectal Cancer in Eastern Mediterranean Region Countries: A Systematic Review and Meta-Analysis
- The Economic Burden of Abortion and Its Complication Treatment Cares: A Systematic Review
- COVID -19 in Iran: the Good, the Bad, and the Ugly Strategies for Preparedness – A Report From the Field
- Meta- analysis of pegfilgrastim over filgrastim in the treatment of chemotherapy-induced Neutropenia
- Safety and Effectiveness of Favipiravir for Novel Coronavirus (COVID-19): A Rapid Review of Available Evidence
- Sharing Solidarity Experiences to Overcome COVID-19
- Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019.
- Favipiravir for treating patients with novel coronavirus (COVID-19): protocol for a systematic review and meta-analysis of randomized clinical trials

- Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019
- Five insights from the Global Burden of Disease Study 2019
- Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950–2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019
- Medical Overuse in the Iranian Healthcare System: A Systematic Scoping Review and Practical Recommendations for Decreasing Medical Overuse During Unexpected COVID-19 Pandemic Opportunity
- Estimating global injuries morbidity and mortality: methods and data used in the Global Burden of Disease 2017 study
- Features and Limitations of LitCovid Hub for Quick Access to Literature About COVID-19
- Mapping the cancer-specific FACT-B onto the generic SF-6Dv2
- Leadership and Management Competencies for Hospital Managers: A Systematic Review and Best-Fit Framework Synthesis
- Following PRISMA in a Systematic Review: Obligation or Authority?
- Using the evidence-based medicine and evidence-based management to minimise overuse and maximise quality in healthcare: a hybrid perspective
- Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017
- The global, regional, and national burden of oesophageal cancer and its attributable risk factors in 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017
- Attitudes of nurses towards clinical information systems: a systematic review and meta-analysis
- Health sector spending and spending on HIV/AIDS, tuberculosis, and malaria, and development assistance for health: progress towards Sustainable Development Goal 3
- Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017
- The Incidence of Childhood Cancer in Iran: A systematic review and meta-analysis, The Incidence of Childhood Cancer in Iran: A systematic review and meta-analysis



- The survival rate of hepatocellular carcinoma in Asian countries: a systematic review and meta-analysis
- Survival Rate of Prostate Cancer in Asian Countries: A Systematic Review and Meta-Analysis
- Survival Rate of Breast Cancer in Eastern Mediterranean Region Countries: A Systematic Review and Meta-Analysis
- Participation of Iranian non-governmental organizations in health policy-making; barriers and strategies for development
- Medical visit time and predictors in health facilities: a mega systematic review and meta-analysis
- Inappropriate Rate of Admission and Hospitalization in the Iranian Hospitals: A Systematic Review and Meta-Analysis
- History of Health Technology Assessment in Iran
- Family physician program and burden of referral for outpatient visit in Iran: A multicenter cross-sectional study protocol
- Cement augmentation of sacroiliac screws in fragility fractures of the pelvic ring—A synopsis and systematic review of the current literature
- An Introduction to Policy Delphi; A tool for discovering the opposing views on health policy issues
- Accuracy Comparison of Data Mining Algorithms Used in the Diagnosis of Breast Cancer: A Scoping Review Study
- Prevalence of medical errors in Iran: a systematic review and meta-analysis, BMC Health Services Research.
- Medical visit time and predictors in health facilities: a mega systematic review and meta-analysis, INTERNATIONAL JOURNAL OF HUMAN RIGHTS IN HEALTHCARE.
- Methodological Issue on Reporting of Systematic Review of Diagnostic Accuracy of Rapid Ultrasound in Shock.
- Policy package for preventing overuse and underuse of health care services in the Iranian health care system: A study protocol, Medical Journal of the Islamic Republic of Iran.
- Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life-Years for 29 Cancer Groups, 1990 to 2017 A Systematic Analysis for the Global Burden of Disease Study.

- Shared decision making: How can it be helpful in reducing medical overuse due to medical misinformation mess? *Journal of Evaluation in Clinical Practice*
- Comparison of artificial neural network and logistic regression models for prediction of outcomes in trauma patients: A systematic review and meta-analysis, *Injury*.
- Developing and validating an instrument to assess non-hospital health centers' preparedness to provide initial emergency care: a study protocol, *BMJ Open*
- Readiness for diet change and its association with diet knowledge and skills, diet decision making and diet barriers in type 2 diabetic patients, *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*
- The challenges of implementation of clinical governance in Iran: a meta-synthesis of qualitative studies, *Health research policy and systems*.
- Patient and Health Professional Perspectives about Engaging Patients in Addressing Patient Safety: A Systematic Review Protocol, *Open Access Macedonian Journal of Medical Sciences*
- Stewardship as a Fundamental Challenge in Strategic Purchasing of Health Services: A Case Study of Iran, *Value in health regional issues*.
- Methodological Issue on Reporting of Systematic Review of Diagnostic Accuracy of Rapid Ultrasound in Shock, *Bulletin of Emergency And Trauma*
- Assessing Preparedness of Non-Hospital Health Centers to Provide Primary Emergency Care; A Systematic Review, *Bulletin of Emergency And Trauma*
- The incidence of testicular cancer in Iran from 1996 to 2017: A systematic review and meta-analysis, *Advances in Human Biology*.
- Using the evidence-based medicine and evidence-based management to minimise overuse and maximise quality in healthcare: a hybrid perspective, *BMJ Evidence-Based Medicine*.
- The prevalence of elder abuse and neglect in Iran: a systematic review and meta-analysis, *Journal of elder abuse & neglect*.
- The incidence of esophageal cancer in Iran: a systematic review and meta-analysis, *Biomedical Research and Therapy*.
- Escape from the Darkness: The Need to Provide Elder-friendly Care Policies in Iran, *Iranian Journal of Public Health*.

- Medical overuse in the Iranian healthcare system: a systematic review protocol, BMJ Open.
- Tips on Reporting a Systematic Review, Bulletin of emergency and trauma.
- Single versus double intrauterine insemination (IUI) for pregnancy: A systematic review and meta-analysis, European Journal of Obstetrics & Gynecology and Reproductive Biology.

**Please see my Scholar link for more information:**

[https://scholar.google.com/citations?hl=en&user=SHCWzKYAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=en&user=SHCWzKYAAAAJ&view_op=list_works&sortby=pubdate)

### **Research Project**

- Challenges, barriers, and gaps to achieve universal health coverage: a systematic review, code 5196, Date of Approval 98/9/11
- Knowledge, attitudes, and practices of Physicians, healthcare worker and general population about COVID-19 around the globe: a systematic review, code 5409, Date of Approval 99/3/19
- Prevalence of child abuse or maltreatment in the Middle East: A systematic review (Co-authors), code 5215, Date of Approval 98/12/20
- Evaluation of health-related quality of life in Covid-19 patients, code 5399.
- A survey on the frequency of food insecurity and its related determinants in households covered by health centers in marginal areas around Birjand city, 2019, Date of Approval 99/7/5
- Stromal Vascular Fractions(SVF)

### **GRANT**

- Stromal Vascular Fractions(SVF)

## **CONFERENCE PRESENTATIONS**

- Nursing, health information technology and their role in preventing medical overuse in health systems, Third Conference of Information Technology and Health Promotion Focus on Nursing.
- To appraise the current evidence comparing double and single intrauterine insemination (IUI) on the reproductive outcomes in subfertile couples, Ultrasound in Obstetrics & Gynecology
- Evidence Based Decision Making about Factors Affecting Consultation Length of Physicians Worldwide: A Systematic Review and Meta-Analysis, Health Promotion Perspective.
- Manager's Personality Type: Does it Make Difference in the Application of Evidence-Based Practice Approach.
- Impossible Mission: A Critique on the Problems of Iranian Health System Evolution.
- Implementing health technology assessment in Iran: a stakeholder analysis, 5th International Society for Evidence-Based Healthcare Congress, Kish Island, Iran
- Fourth Conference on Information Technology and Health Promotion with Smart Health Focus
- Portal vein thrombosis might develop by Covid-19 infection or vaccination: asystematic review of case-report studies

## **TEACHING EXPERIENCE**

***Assistant Professor, Birjand University of Medical Sciences***

***Assistant Lecturer, Tabriz University of Medical Sciences***

- Health Policy and System Research
- Healthcare Marketing
- Systematic Review and Meta-analysis
- Health Technology Assessment

## **HONORS / AWARDS**

Best Student of the Year, School of Management and Medical Informatics, Tabriz University of Medical Sciences, 2017

## **LANGUAGES**

English (Speaking and scientific writing)

Persian (native)

## **MEMBERSHIPS / AFFILIATIONS**

*Social Determinants of Health Research Center, Birjand University of Medical Sciences, Birjand, Iran.*

## **WORKSHOPS**

- *Systematic Review; Concepts & overview*
- *Ethics in Publication, Birjand University of Medical Sciences, 1398.*
- *Academic Writing, Birjand University of Medical Sciences, 1398.*