Ahmad Sofi-Mahmudi

DDS, MSc In Health Research Methodology · McMaster University

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# Education

## McMaster University *Hamilton, Canada*

MSc in Health Research Methodology *Sep 2022 – Aug 2024*

**Thesis title:** [Identifying an optimal strategy for converting pain as a continuous outcome to a responder analysis](mailto:https://macsphere.mcmaster.ca/handle/11375/30210).

## Shahid Beheshti University of Medical Sciences *Tehran, Iran*

Doctor of Dental Surgery *Sep 2012 – Jun 2019*

* Organizer, TEDxSBMU, 2017
* Organizer, TEDMEDLive SBMU, 2016
* Selected Student of the University, 2018
* Secretary‑General, Gifted and Talented Dental Students’ Office, 2016‑2018
* Secretary, University’s Information Technology Club, 2017‑2018
* Founder and Manager, Dahaan (knowledge translation project for dental evidence), 2017‑2019

## Shahid Beheshti University of Medical Sciences *Tehran, Iran*

Health MBA *Jul 2018 – Jan 2019*

# Work Experience

## Cytel Inc. *Remote*

Research Associate, Comparative Effectiveness *Apr 2024 – Present*

## I mainly conduct pairwise and network meta-analyses and indirect treatment comparisons. Also, I serve as a consultant for some of the clients.

## McMaster University *Hamilton, Canada*

Research Assistant *Oct 2022 – Apr 2024*

Successfully led systematic reviews and conducted network meta-analyses, delivering impactful insights and contributing to the advancement of pain management research. Besides, pioneered methodological research that has advanced the comprehension and application of meta-analytical techniques, contributing to enhanced estimations within the field.

## McMaster University *Hamilton, Canada*

Teaching Assistant *Sep 2022 – Apr 2024*

* **PUBHLTH 701: Population and Public Health Epidemiology**, for Master of Public Health (MPH) students.
* **HM 732: Strategic Writing for Health Professionals**, for Master of Health Management students.
* **LIFESCI 3G03: Epidemiology**, for Bachelor of Life Sciences students.
* **LIFESCI 3LA3: Introduction to Data Science**, for Bachelor of Life Sciences students.

## Kurdistan University of Medical Sciences *Seqiz, Iran*

General Dental Practitioner *Oct 2021 – Aug 2022*

Delivered exceptional preventive care and dental treatments, ensuring optimal oral health and satisfaction of patients, resulting in being recognized as the top community dentist in the network due to an increase of 22% in coverage and 34% in patients’ satisfaction.

## Deputy of Research and Technology, Ministry of Health and Medical Education of Iran *Tehran, Iran*

Research Assistant *Jul 2020 – Sep 2021*

Played a pivotal role in strategizing and conducting an in-depth analysis of the oral health segment within the largest national longitudinal dataset, the PERSIAN cohort, thereby providing critical insights used to shape and inform key health policies in Iran.

## Non-Communicable Diseases Research Center (NCDRC), Tehran University of Medical Sciences *Tehran, Iran*

Research Assistant *Jun 2019 – Sep 2021*

Made contributions to the enhancement of healthcare in Iran by actively participating in the development of Quality of Care Index articles, co-authoring a guideline for special care dentistry in the country, and playing a key role in shaping the 2021 STEPS Country report for Iran.

## Kanoon-e Farhangi-e Amoozesh *Tehran, Iran*

Chief Editor *Nov 2013 – Aug 2015*

Editing tests for nationwide university entrance examinations, specifically for third and fourth-grade students. The tests were selected two times as the sole mistake-free tests among all the fields.

# Academic Experience

## Cochrane Council *Global*

Representative for the Early Career Professional Network *May 2021 – Present*

Actively shaping Cochrane's leadership and strategic direction by representing the perspectives and recommendations of early career researchers, especially from LMICs. Thus influencing key decisions and initiatives.

## Cochrane Early Career Professionals (ECP) Network *Global*

Member of the Steering Group and Vice‑chair *Jul 2019 – Present*

Pioneered the first-ever automatic diversity research at Cochrane, resulting in a comprehensive understanding of under-represented groups across various review groups and the organization as a whole, paving the way for improved inclusivity and equity initiatives.

## Cochrane Iran *Tehran, Iran*

Member of the Steering Group and Translation Manager *Aug 2016 – Aug 2022*

Dedicatedly translated review summaries, books, news and podcasts into Farsi, facilitating access to valuable information for a wider audience across Iran. Also, demonstrated a proactive role in maintaining an up-to-date website and managing social media accounts, ensuring effective communication and engagement with the audience.

## Informed Health Choices (IHC) Network *Oslo, Norway*

Translator *Feb 2018 – Present*

Successfully translated “The Health Choices” book and “ThatsAClaim.org” pamphlets into both Farsi and Kurdish languages, expanding access to vital healthcare knowledge for diverse audiences. Initiated the planning phase for a randomized controlled trial exploring critical thinking in health among schoolchildren in Iran.

## BioMed Central (BMC) *London, UK*

Associate Editor *Sep 2021 – Present*

Steering the editorial process for over 15 papers to successful publication in BMC Oral Health and BMC Research Notes, ensuring rigorous content quality and timely dissemination.

# Skills

**Programming:**

* **R** (Advanced)
* **Python** (Intermediate)
* **Julia** (Intermediate)

**Statistical software:**

* **Stata** (Advanced)
* **SPSS** (Advanced)
* **SAS** (Intermediate)

**Miscellaneous**

Linux, Shell (Bash/Zsh), LATEX (Overleaf/R Markdown), Tableau, Microsoft Office, Git.

**Soft Skills**

Time management, Teamwork, Problem‑solving, Documentation, Engaging presentation.

## Achievements

2021 **Lifetime Member**, International Society for Evolution, Medicine & Public Health *Global*

2019 **30 Under 30**, Cochrane *Global*

2017 **First‑ranked Gold Medalist**, National Health System Management Olympiad *Iran*

2012 **206th (top 0.05%)**, Nationwide University Entrance Exam (Concur) among 449 955 participants *Iran*

2012 **57th (top 0.5%)**, Foreign Languages Konkur among 10 908 participants *Iran*

2010 **Lifetime Member**, Ubuntu GNU/Linux Iranian LoCo Team *Global*

**Grants and Fundings**

### **National Institute for Medical Research Development (NIMAD)** *Iran*

Evidence Gaps: Identifying Evidence Gaps in Dentistry – Phase 1: Dental Caries *Jan 2022 – Present*

* As the co‑investigator.
* The amount of the grant is 11,500 USD.
* The aim of this study is to develop a framework for identifying knowledge gaps in dental caries treatment and prevention to guide research and policy in filling these gaps.

### **McMaster University** *Canada*

Research Scholarship *Sep 2022 – Aug 2024*

The amount of the grant is 19,400 CAD per year.

### **McMaster University** *Canada*

Health Research Methodology: Visa Tuition Scholarship *Feb 2023*

The amount of the grant was 6,000 CAD.

### **McMaster University** *Canada*

Global Experience Award *Jul 2023*

* A partial financial support for attending Cochrane London Colloquium 2023.
* The amount of the grant was 500 CAD.

## Selected Publications

### Journal Articles

1. Cochrane Reviews’ authorship has become more gender-diverse but remains geographically concentrated: A meta-research study

**Ahmad Sofi-Mahmudi**, Jana Stojanova, Elpida Vounzoulaki, Eve Tomlinson, Ana Beatriz Pizarro, Sahar Khademioore, Etienne Ngeh, Amin Sharifan, Lucy Elauteri Mrema, Alexis Ceecee Britten-Jones, Santiago Castiello de Obeso, Vivian A Welch, Lawrence Mbuagbaw, Peter Tugwell.

*Journal of Clinical Epidemiology* 2025 Feb 11;111719. DOI: [10.1016/j.jclinepi.2025.111719](mailto:https://doi.org/10.1016/j.jclinepi.2025.111719).

1. Global, regional, and national survey on burden and Quality of Care Index (QCI) of orofacial clefts: Global burden of disease systematic analysis 1990–2019

**Ahmad Sofi-Mahmudi**, Erfan Shamsoddin, Sahar Khademioore, Yeganeh Khazaei, Amin Vahdati, Marcos Roberto Tovani-Palone.

*PLoS ONE* 2025 Jan 18;20(1):e0317267. DOI: [10.1371/journal.pone.0317267](mailto:https://doi.org/10.1371/journal.pone.0317267).

1. Publicly available dental image datasets for artificial intelligence

Sergio E Uribe, Julien Issa, F Sohrabniya, A Denny, NN Kim, AF Dayo, Akhilanand Chaurasia, **Ahmad Sofi-Mahmudi**, Martha Büttner, Falk Schwendicke.

*Journal of Dental Research* 2024 Oct 18;103(13):1365-74. DOI: [10.1177/00220345241272052](mailto:https://doi.org/10.1177/00220345241272052).

1. The relationship between the source of oral health information and dental caries: Findings from Child Dental Health Survey 2013 in England

**Ahmad Sofi-Mahmudi**.

*PLoS ONE* 2024 Jul 1;19(7):e0302488. DOI: [10.1371/journal.pone.0302488](https://doi.org/10.1371/journal.pone.0302488).

1. An investigation into gender distributions in scholarly publications among dental faculty members in Iran

**Ahmad Sofi-Mahmudi**, Erfan Shamsoddin, Lisa M DeTora, Barbara E Bierer, Perihan Elif Ekmekci, Morenike Oluwatoyin Folayan, Ching Shan Lii, Marcos Roberto Tovani-Palone, Francis P Crawley.

*PLoS ONE* 2024 Jun 27;19(6):e0300698. DOI: [10.1371/journal.pone.0300698](https://doi.org/10.1371/journal.pone.0300698).

1. Mesenchymal stem cells for chronic knee pain secondary to osteoarthritis: a systematic review and meta-analysis of randomized trials

Behnam Sadeghirad, Yasir Rehman, Azin Khosravirad, **Ahmad Sofi-Mahmudi**, Sara Zandieh, Jane Jomy, Mansi Patel, Rachel J Couban, Feryal Momenilandi, Robert Burnham, Rudolf W Poolman, Jason W Busse.

*Osteoarthritis and Cartilage* 2023 2024 May 20. DOI: [10.1016/j.joca.2024.04.021](https://doi.org/10.1016/j.joca.2024.04.021).

1. Dental Caries among the Elderly in Iran: A Meta-Analysis

Shervan Shoaee, Farshad Sharifi, Pooneh Ghavidel-Parsa, Shayan Sobhaninejad, Mohammad-Hossein Heydari, **Ahmad Sofi-Mahmudi**.

*Medical Journal of the Islamic Republic of Iran* 2023 Nov 11;37:36. DOI: [10.47176/mjiri.37.36](https://doi.org/10.47176%2Fmjiri.37.36).

1. The importance of meta-research in dentistry

Rafael Sarkis-Onofre, **Ahmad Sofi-Mahmudi**, Livia Puljak, Rafael R. Moraes.

*Evidence-Based Dentistry* 2023 Sep;24(3):98-99. DOI: [10.1038/s41432-023-00880-w](https://doi.org/10.1038/s41432-023-00880-w).

1. National and Subnational Trend of Dental Caries of Permanent Teeth in Iran, 1990–2017

Shervan Shoaee, Masoud Masinaei, Sahar Saeedi Moghaddam, **Ahmad Sofi‑Mahmudi**, Hossein Hessari, Erfan Shamsoddin, MohammadHossein Heydari, Bagher Larijani, Hossein Fakhrzadeh, Farshad Farzadfar.

*International Dental Journal* 2023 Aug 11:S0020-6539(23)00131-4. DOI: [10.1016/j.identj.2023.07.012](https://doi.org/10.1016/j.identj.2023.07.012).

1. Marginal fit of monolithic versus layered zirconia crowns assessed with 2 marginal gap methods

Paniz Fasih, Sara Tavakolizadeh, Majid Sedaghat Monfared, **Ahmad Sofi-Mahmudi**, Amir Yari.

*The Journal of Prosthetic Dentistry* 2023 Aug 1;130(2):250-e1. DOI: [10.1016/j.prosdent.2023.06.005](https://doi.org/10.1016/j.prosdent.2023.06.005).

1. Transparency of COVID-19-related research: A meta-research study

**Ahmad Sofi-Mahmudi**, Eero Raittio, Sergio E Uribe.

*PLoS ONE* 2023 Jul 26;18(7):e0288406. DOI: [10.1371/journal.pone.0288406](https://doi.org/10.1371/journal.pone.0288406).

1. Assessing Google Searches for Toothache during COVID‑19 Lockdowns

**Ahmad Sofi-Mahmudi**, Erfan Shamsoddin, Peyman Ghasemi, Mona Nasser, Bita Mesgarpour.

*Medical Journal of the Islamic Republic of Iran* 2023 Apr 11;37:36. DOI: [10.47176/mjiri.37.36](https://doi.org/10.47176%2Fmjiri.37.36).

1. Nasopharyngeal Myiasis in Intensive Care Unit (ICU) Patients: Report of Two Cases

Hosna Zobairy, Parisa Modaresi, Miguel M Cabada, **Ahmad Sofi-Mahmudi**.

*Iranian Journal of Parasitology* 2023 Jan-Mar;18(1):113-118. DOI: [10.18502/ijpa.v18i1.12388](https://doi.org/10.18502/ijpa.v18i1.12388).

1. Trends in dental caries of deciduous teeth in Iran: a systematic analysis of the national and sub‑national data from 1990 to 2017

Shervan Shoaee, Sahar Saeedi Moghaddam, Masoud Masinaei, **Ahmad Sofi-Mahmudi**, Hossein Hessari, Mohammad-Hossein Heydari, Erfan Shamsoddin, Mahboubeh Parsaeian, Anooshe Ghasemian, Bagher Larijani, Hossein Fakhrzadeh, Farshad Farzadfar.

*BMC Oral Health* 2022 Dec 23;22(1):634. DOI: [10.1186/s12903-022-02634-z](https://doi.org/10.1186/s12903-022-02634-z).

1. Research transparency in dental research: A programmatic analysis

Eero Raittio, **Ahmad Sofi‑Mahmudi**, Sergio E Uribe.

*European Journal of Oral Sciences* 2023 Feb;131(1):e12908. DOI: [10.1111/eos.12908](https://doi.org/10.1111/eos.12908).

1. Dental research data availability and quality according to the FAIR principles

Sergio E Uribe, **Ahmad Sofi-Mahmudi**, Eero Raittio, Ilze Maldupa, Baiba Vilne

*Journal of Dental Research* 2022 Oct;101(11):1307-1313. DOI: [10.1177/00220345221101321](https://doi.org/10.1177/00220345221101321).

1. The use of the phrase “data not shown” in dental research

Eero Raittio, **Ahmad Sofi-Mahmudi**, Erfan Shamsoddin

*PLoS ONE* 2022 Aug 9;17(8):e0272695. DOI: [10.1371/journal.pone.0272695](https://doi.org/10.1371/journal.pone.0272695).

1. Self-reported Side Effects of COVID-19 Vaccines among Healthcare Workers in Ethiopia, Africa: a cross-sectional study

Elias Ali Yesuf, Abanoub Riad, **Ahmad Sofi-Mahmudi**, Morankar Sudhakar, Addisalem Mekonnen, Selamawit Endalkachew, Feyissa Mama, Semira Muhidin, Bethelhem Ayele, Mohammed Yahya, Abduselam Usman, Jemal Abafita, Miloslav Klugar

*Frontiers in Public Health* 2022 Jul 19;10:937794. DOI: 1[0.3389/fpubh.2022.937794](https://doi.org/10.3389/fpubh.2022.937794).

1. Risk of Bias in Iranian Randomized Trials Included in Cochrane Reviews

Ali Kabir, **Ahmad Sofi-Mahmudi**, Arman Karimi Behnagh, Vahid Eidkhani, Hamid Reza Baradaran, Payam Kabiri, AliAkbar Haghdoost, Bita Mesgarpour

*Archives of Iranian Medicine* 2022 Jun 1;25(6):375-382. DOI: [10.34172/aim.2022.61](https://doi.org/10.34172/aim.2022.61).

1. Transparency of COVID-19-related research in dental journals

**Ahmad Sofi‑Mahmudi**, Eero Raittio

*Frontiers in Oral Health* 2022 Apr 6;3:871033. DOI: [10.3389/froh.2022.871033](https://doi.org/10.3389/froh.2022.871033).

1. Dahaan: a framework for delivering evidence-informed dentistry recommendations and dental public health advocacy in Iran

**Ahmad Sofi-Mahmudi**, Sara Moradi, Maryam Shakiba, Pouria Iranparvar, Soroush Sadr

*Health Promotion International* 2022 Feb 17;37(1):daab049. DOI: [10.1093/heapro/daab049](https://doi.org/10.1093/heapro/daab049).

1. Global, regional, and national burden and quality of care index (QCI) of lip and oral cavity cancer: a systematic analysis of the Global Burden of Disease Study 1990–2017

**Ahmad Sofi-Mahmudi**, Masoud Masinaei, Erfan Shamsoddin, Marcos Roberto Tovani-Palone, Mohammad-Hossein Heydari, Shervan Shoaee, Erfan Ghasemi, Sina Azadnajafabad, Shahin Roshani, Negar Rezaei, Mohammad-Mahdi Rashidi, Reyhaneh Kalantar Mehrjardi, Amir Ali Hajebi, Bagher Larijani, Farshad Farzadfar

*BMC Oral Health* 2021 Nov 2;21(1):558. DOI: [10.1186/s12903-021-01918-0](https://doi.org/10.1186/s12903-021-01918-0).

1. Post-publication peer reviews

**Ahmad Sofi-Mahmudi**, Erfan Shamsoddin

*British Dental Journal* 2021 Oct;231(8):425. DOI: [10.1038/s41415-021-3578-7](https://doi.org/10.1038/s41415-021-3578-7).

1. Investigating gender differences in research performance of Iranian medical faculty members: a scientometric study

**Ahmad Sofi-Mahmudi**, Erfan Shamsoddin, Bita Mesgarpour, Shahin Akhondzadeh, Payam Kabiri

*Tehran University Medical Journal* 2021 Oct 5;79(7):546-555.

1. Halting ‘research waste’

Erfan Shamsoddin, **Ahmad Sofi‑Mahmudi**, V Natoli, T Franchi, MR Tovani-Palone

*British Dental Journal* 2021 Sep;231(6):317-318. DOI: [10.1038/s41415-021-3488-8](https://doi.org/10.1038/s41415-021-3488-8).

1. COVID-19 Vaccines Safety Tracking (CoVaST): Protocol of a Multi-Center Prospective Cohort Study for Active Surveillance of COVID-19 Vaccines’ Side Effects

Abanoub Riad, Holger Schünemann, Sameh Attia, Tina Poklepović Peričić, Marija Franka Žuljević, Mikk Jürisson, Ruth Kalda, Katrin Lang, Sudhakar Morankar, Elias Ali Yesuf, Mohamed Mekhemar, Anthony Danso-Appiah**, Ahmad Sofi-Mahmudi**, Giordano Pérez-Gaxiola, Arkadiusz Dziedzic, João Apóstolo, Daniela Cardoso, Janja Marc, Mayte Moreno-Casbas, Charles Shey Wiysonge, Amir Qaseem, Anna Gryschek, Ivana Tadić, Salman Hussain, Mohammed Ahmed Khan, Jitka Klugarova, Andrea Pokorna, Michal Koščík, Miloslav Klugar

*International Journal of Environmental Research and Public Health* 2021 Jul 25;18(15):7859. DOI: [10.3390/ijerph18157859](https://doi.org/10.3390/ijerph18157859).

1. Quality Assessment of Studies Included in Cochrane Oral Health Systematic Reviews: A Meta-Research

**Ahmad Sofi-Mahmudi**, Pouria Iranparvar, Maryam Shakiba, Erfan Shamsoddin, Hossein Mohammad-Rahimi, Sadaf Naseri, Parisa Motie, Marcos Roberto Tovani-Palone, Bita Mesgarpour

*International Journal of Environmental Research and Public Health* 2021 Jul 7;18(14):7284. DOI: [10.3390/ijerph18147284](https://doi.org/10.3390/ijerph18147284).

1. Patients with COVID-19 may present some oral manifestations

**Ahmad Sofi‑Mahmudi**

*Evidence-Based Dentistry* 2021 Jan;22(2):80-81. DOI: [10.1038/s41432-021-0173-3](https://doi.org/10.1038/s41432-021-0173-3).

1. Orofacial adverse effects of COVID-19 vaccines exist but are rare

**Ahmad Sofi‑Mahmudi**

*Evidence-Based Dentistry* 2021 Jan;22(2):70-71. DOI: [10.1038/s41432-021-0178-y](https://doi.org/10.1038/s41432-021-0178-y).

1. Assessing research misconduct in Iran: a perspective from Iranian medical faculty members

Erfan Shamsoddin, Zahra Torkashvand-Khah, **Ahmad Sofi-Mahmudi**, Leila Janani, Payam Kabiri, Ehsan Shamsi-Gooshki, Bita Mesgarpour

*BMC Medical Ethics* 2021 Jun 21;22(1):74. DOI: [10.1186/s12910-021-00642-2](https://doi.org/10.1186/s12910-021-00642-2).

1. Knowledge and Attitude of Iranian Dental Students and Specialists about Obstructive Sleep Apnea

Shervin Shafiei, **Ahmad Sofi Mahmudi**, Mohammad Behnaz, Hannaneh Safiaghdam, Soroush Sadr

*Journal of Dental School* 2021 Mar;38(1):25-30. DOI: [10.22037/jds.v38i1.26015](https://doi.org/10.22037/jds.v38i1.26015).

1. Association of COVID-19-imposed lockdown and online searches for toothache in Iran

**Ahmad Sofi-Mahmudi**, Erfan Shamsoddin, Peyman Ghasemi, Ali Mehrabi Bahar, Mansour Shaban Azad, Ghasem Sadeghi

*BMC Oral Health* 2021 Feb 15;21(1):69. DOI: [10.1186/s12903-021-01428-z](https://doi.org/10.1186/s12903-021-01428-z).

1. Is periodontitis associated with hypertension?

**Ahmad Sofi‑Mahmudi**

*Evidence-Based Dentistry* 2020 Dec;21(4):132-133. DOI: [10.1038/s41432-020-0137-z](https://doi.org/10.1038/s41432-020-0137-z).

1. Agile and Adaptive Management of COVID-19: The Case of Iran

Erfan Shamsoddin, **Ahmad Sofi-Mahmudi**, Ghasem Sadeghi, Mansour Shaban Azad

*Archives of Epidemiology* 2020 Sep 2;4(1):1-3. DOI: [10.29011/2577-2252.100041](https://doi.org/10.29011/2577-2252.100041).

1. Novel coronavirus infection (COVID-19) in humans: a scoping review and meta-analysis

Israel Junior Borges do Nascimento, Nensi Cacic, Hebatullah Mohamed Abdulazeem, Thilo Caspar von Groote, Umesh Jayarajah, Ishanka Weerasekara, Meisam Abdar Esfahani, Vinicius Tassoni Civile, Ana Marusic, Ana Jeroncic, Nelson Carvas Junior, Tina Poklepovic Pericic, Irena Zakarija-Grkovic, Silvana Mangeon Meirelles Guimaraes, Nicola Luigi Bragazzi, Maria Bjorklund, **Ahmad Sofi-Mahmudi**, Mohammad Altujjar, Maoyi Tian, Diana Maria Cespedes Arcani, Dónal P O’Mathúna, Milena Soriano Marcolino

*Journal of Clinical Medicine* 2020 Mar 30;9(4):941. DOI: [10.3390/jcm9040941](https://doi.org/10.3390/jcm9040941).

1. Greater child dental health inequality in England compared to Wales and Northern Ireland, despite lower average disease levels

**Ahmad Sofi-Mahmudi**, Sara Moradi, Candy C Salomon-Ibarra, John Morris, Vahid Ravaghi

*Community Dental Health* 2020 Jan;37(2):138-142. DOI: [10.1922/CDH\_00007Ravaghi05](https://doi.org/10.1922/CDH_00007Ravaghi05).

1. Achievements of the Cochrane Iran Associate Centre: Lessons Learned

Bita Mesgarpour, Sara Aghababa, Hamid Reza Baradaran, Payam Kabiri, Ali Kabir, **Ahmad Sofi-Mahmudi**, Ali Akbar Haghdoost

*International Journal of Health Policy and Management* 2019 Dec 11;9(6):222–228. DOI: [10.15171/ijhpm.2019.122](https://doi.org/10.15171%2Fijhpm.2019.122).

1. The need for a practitioners' social media code of conduct in Iran

**Ahmad Sofi‑Mahmudi**

*Journal of Medical Ethics and History of Medicine* 2019 Dec 1;12:16. DOI: [10.18502/jmehm.v12i16.2015](https://doi.org/10.18502%2Fjmehm.v12i16.2015).

1. Educating Iran

**Ahmad Sofi‑Mahmudi**

*British Dental Journal* 2019 Oct 11;227(7):539. DOI: [10.1038/s41415-019-0845-y](https://doi.org/10.1038/s41415-019-0845-y).

### Preprints

1. Research Transparency in 59 Disciplines of Clinical Medicine: A Meta-Research Study

**Ahmad Sofi-Mahmudi,** Eero Raittio, Sergio E Uribe, Sahar Khademioore, Dena Zeraatkar, Lawrence Mbuagbaw, Lex M Bouter, Karen A Robinson.

*medRxiv* 2024 Apr 10. DOI: [10.1101/2024.04.08.24305416](https://doi.org/10.1101/2024.04.08.24305416).

1. Global, Regional, and National Survey on Burden and Quality of Care Index (QCI) of Orofacial Clefts: Global Burden of Disease Systematic Analysis 1990-2019

**Ahmad Sofi-Mahmudi,** Erfan Shamsoddin, Sahar Khademioore, Yeganeh Khazaei, Marcos Roberto Tovani-Palone.

*medRxiv* 2024 Mar 26. DOI: [10.1101/2024.03.24.24304795](https://doi.org/10.1101/2024.03.24.24304795).

1. Geographical and Gender Diversity in Cochrane and non-Cochrane Reviews Authorship: A Meta-Research Study

**Ahmad Sofi-Mahmudi,** Elpida Vounzoulaki, Jana Stojanova, Eve Tomlinson, Ana Beatriz Pizarro, Sahar Khademioore, Etienne Ngeh, Amin Sharifan, Lucy Elauteri Mrema, Alexis Ceecee Britten-Jones, Santiago Castiello de Obeso, Vivian Welch, Lawrence Mbuagbaw, Peter Tugwell.

*medRxiv* 2024 Mar 26. DOI: [10.1101/2024.03.23.24304672](https://doi.org/10.1101/2024.03.23.24304672).

1. The relationship between scientific publishing retractions and democracy

**Ahmad Sofi-Mahmudi**.

*Open Science Framework* 2023 Oct 31. DOI: <https://doi.org/10.31219/osf.io/wzehf>.

1. COVID-19-related research data availability and quality according to the FAIR principles: A meta-research study

**Ahmad Sofi-Mahmudi**, Eero Raittio, Yeganeh Khazaei, Javed Ashraf, Falk Schwendicke, Sergio E. Uribe, David Moher.

*bioRxiv* 2023 Nov 15. DOI: <https://doi.org/10.1101/2023.11.14.566998>.

1. Association of olfactory dysfunction with hospitalization for COVID-19: a multicenter study in Kurdistan

Hosna Zobairy, Erfan Shamsoddin, Mohammad Aziz Rasouli, Nasrollah Veisi Khodlan, Ghobad Moradi, Bushra Zareie, Sara Teymori, Jalal Asadi, **Ahmad Sofi-Mahmudi**, Ahmad R Sedaghat.

*medRxiv* 2020 Jul 28. DOI: [10.1101/2020.07.26.20158550](https://doi.org/10.1101/2020.07.26.20158550).

1. Interpreting the result of a diagnostic test: An experimental study in a social network

**Ahmad Sofi-Mahmudi**.

*medRxiv* 2020 Jul 17. DOI: [10.1101/2020.07.12.20151910](https://doi.org/10.1101/2020.07.12.20151910).

### Protocols

1. FAIRness of COVID-19-related research data

**Ahmad Sofi-Mahmudi**, Eero Raittio, Sergio E Uribe.

*OSF* 2023 Apr 14. DOI: [10.17605/OSF.IO/XAYP9](https://doi.org/10.17605/OSF.IO/XAYP9).

1. Research transparency in 59 fields of medical and health sciences: protocol for a meta-research study

**Ahmad Sofi-Mahmudi**,Eero Raittio, Sergio E Uribe, Karen A Robinson.

*OSF* 2023 Jul 21. DOI: [10.17605/OSF.IO/J57BG](https://doi.org/10.17605/OSF.IO/J57BG).

1. Global, Regional, and National Survey on Burden and Quality of Care Index (QCI) of Orofacial Clefts: Protocol for a Global Burden of Disease Systematic Analysis 1990–2019

Erfan Shamsoddin, **Ahmad Sofi-Mahmudi,** Marcos Roberto Tovani-Palone.

*OSF* 2022 Jan 2. DOI: [10.17605/OSF.IO/94WR7](http://dx.doi.org/10.17605/OSF.IO/94WR7).

1. Effects of including preprints in meta-analyses on the estimates: Protocol for a meta-research study

**Ahmad Sofi-Mahmudi,** Eero Raittio, Karen A. Robinson.

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1. The quality of oral health and dentistry content on the Internet: protocol for a scoping review

**Ahmad Sofi-Mahmudi**, Erfan Shamsoddin, Negin Eslamiamirabadi, Ali Kazemian.

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1. Transparency of COVID‑19‑related research: A meta‑research study

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1. Open Science Practices in Oral Health Research: Implications and Importance

**Ahmad Sofi-Mahmudi**, Eero Raittio

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1. Frequency and risk of bias of randomized controlled trials included in Cochrane Oral Health systematic reviews

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### Books

1. [Sugars and Dental Caries]

Sara Moradi, Pouria Iranparvar, **Ahmad Sofi-Mahmudi**

*Tehran (IR): Dandane; 2021.*

1. [Caries Prevention Partnership: Making Prevention a Priority]

Fatemeh Mirhosseini, **Ahmad Sofi-Mahmudi**

*Tehran (IR): Dandane; 2021.*

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Maryam Shakiba, **Ahmad Sofi-Mahmudi**

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1. [Testing Treatments]

**Ahmad Sofi‑Mahmudi**, Bita Mesgarpour

Tehran (IR): Farhameh*; 2020.*

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Sasan Namirian, Nava Ajdari, **Ahmad Sofi-Mahmudi**

Tehran (IR): Narmafzar*; 2015.*

1. [A byte of Python]

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Tehran (IR): Narmafzar*; 2009.*

### Newspaper Articles

1. [Mistakes Made by A Dentist]

**Ahmad Sofi‑Mahmudi**

Hafte Sobh [Tehran, IR]. 2017 Aug 17.

### Blog Posts

1. [Reviews] The Great Database Dilemma: Where Should We Search for Information?

**Ahmad Sofi-Mahmudi**

*Medium* 2023 Oct 1*.* URL: <https://choxos.medium.com/c85603f91188>*.*

1. [R] Using emojis in R and Python

**Ahmad Sofi-Mahmudi**

*Medium* 2023 Oct 4*.* URL: <https://choxos.medium.com/1430f509b0f5>*.*

1. [Reviews] Searching: What about non-English databases?

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1. [R] Working with APIs in R (and how to automatize the process)

**Ahmad Sofi-Mahmudi**

*Medium* 2023 Oct 10*.* URL: <https://choxos.medium.com/a1d6f218d5e6>*.*

1. [Research] Using ChatGPT to summarize the latest articles in your field of interest

**Ahmad Sofi-Mahmudi**

*Medium* 2023 Oct 13*.* URL: <https://choxos.medium.com/fb902a63f245>*.*

1. [Dentistry] Five Simple Practices to Keep Teeth Healthy — and Their Evidence Base

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1. [Dentistry] Brush Your Teeth Twice Daily — The Evidence Behind

**Ahmad Sofi-Mahmudi**

*Medium* 2023 Oct 19*.* URL: <https://choxos.medium.com/d01b55059b5a>*.*

1. [Dentistry] Brush Last Thing at Night and on One Other Occasion — The Evidence Behind

**Ahmad Sofi-Mahmudi**

*Medium* 2023 Oct 21*.* URL: <https://choxos.medium.com/c0ef22d97dfd>*.*

1. [Dentistry] Spit, Don’t Rinse — The Evidence Behind

**Ahmad Sofi-Mahmudi**

*Medium* 2023 Oct 16*.* URL: <https://choxos.medium.com/c0ef22d97dfd>*.*

1. [Research] Top Medical Journals’ Coverage of Wars

**Ahmad Sofi-Mahmudi**

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1. [Dentistry] Routine Dental Check-ups Reconsidered

**Ahmad Sofi-Mahmudi**

*Medium* 2023 Dec 4*.* URL: <https://choxos.com/13f360143371>.

1. [Reviews] How to Make Your Search Reproducible

**Ahmad Sofi-Mahmudi**

*Medium* 2023 Dec 19*.* URL: <https://choxos.com/da5a6e7d73eb>.

### Web Applications

1. RoB2: A Shiny App for Risk of Bias 2 Assessment.

**Ahmad Sofi-Mahmudi**

*Shiny Apps Jul 2024.* URL: [https://choxos.shinyapps.io/RoB2/.](https://choxos.shinyapps.io/RoB2/)

1. Responder Analysis: A Shiny App for Imputing the Proportion of Responders and Risk Differences from Continuous Data Based on Four Different Methods.

**Ahmad Sofi-Mahmudi**

*Shiny Apps Jul 2024.* URL: <https://choxos.shinyapps.io/responder_analysis/>*.*

1. Meastimate: A Shiny App for Imputing Mean and Standard Deviation when Extracting Data for Systematic Reviews and Meta-Analyses.

**Ahmad Sofi-Mahmudi**

*Shiny Apps Jul 2024.* URL: [https://choxos.shinyapps.io/meastimate/](https://choxos.shinyapps.io/meastimate).

1. Metanalysis: A Comprehensive Shiny App for Conducting All Kinds of Pairwise Meta-Analysis.

**Ahmad Sofi-Mahmudi**

*Shiny Apps Jul 2024.* URL: <https://choxos.shinyapps.io/metanalysis/>.

## Courses

**Cochrane** All modules in Cochrane Interactive Learning: Conducting an Intervention Review

**Harvard** [Data Science courses](https://courses.edx.org/certificates/3cc7e3c8933b4ad1a8237a6b2c8dc56c)

**Johns Hopkins** [Data Science Specialization](https://coursera.org/share/b18a6551eb64b33d33977b50a48d2e15), [Design and Interpretation of Clinical Trials](https://coursera.org/share/36f7bec084842421ef7f024e2405b03c), and [Systems Thinking in Public Health](https://coursera.org/share/c656db8834ec998913001dd2c9ceb982)

**Imperial College** [Global Master of Public Health (GMPH) program](https://coursera.org/share/835778abcdcfd6e305cade7455eaa80d)

**NIMAD** Randomised Controlled Trial ‑ Good Clinical Practice (RCT‑GCP)

**ISA** Qualitative Coding/Grounded Theory in Qualitative Studies

## Languages

**English** Advanced proficiency (C1)

**French** Elementary proficiency (A2)

**Kurdish** Native proficiency

**Farsi** Native proficiency