

Curriculum Vitae

Samaneh Asgari

Email: asgari.samaneh@gmail.com

asgari@endocrine.ac.ir

ORCID: 0000-0002-7032-310X

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<u>Citations</u>	4362	2,295
<u>h-index</u>	20	16

Profile

I am holding a Bachelor of Science in Pure Mathematics at Mazandaran University (Iran), a Master of statistics-Biostatistics at the Hasselt University (Belgium; graduated in February 2011) and PhD of Epidemiology from the Research institute for Endocrine Sciences (Iran; Shahid Beheshti University of medical sciences in 2021). I have extensive theoretical knowledge and hands-on experience in a wide range of statistical methods. I improved my specialization in epidemiology, design, analysis, and interpretation of different types of medical research, population, and social studies. Working closely with diverse research teams improved my interpersonal and communication skills.

Key Skills

Medical research, population, and social studies: Leading and/or collaborating with (inter)national teams in more than 68 research published articles, I have successfully excelled in producing high-quality scientific outputs such as publications in high-impact journals (e.g., Bone, Scientific Reports, and Journal of Clinical Endocrinology & Metabolism).

Statistics and Data Analysis: Analyzing the data of diverse medical research projects, I gained extensive theoretical knowledge and hands-on experience in a wide range of statistical methods for data analysis, data visualization, and simulation modeling.

Statistical modelling: I possess a unique skill set that allows me to combine my knowledge of advanced statistical methods with the understanding of health-related data to inform critical decisions in the medical field. My ability to analyze complex data sets, identify trends, and develop predictive models has made me an invaluable asset to healthcare organizations seeking to optimize patient outcomes and reduce costs. My expertise in statistical programming languages such as R and Stata, as well as my proficiency in data visualization and communication, make me an excellent collaborator with interdisciplinary teams

Consultation in biostatistics and epidemiology: Providing statistical consultation and guidance to university students, different medical researchers, and other stakeholders, I helped them in study design, sample size calculation, data stewardship, statistical analyses, and reporting the findings effectively.

Soft skills: Working with diverse multi-disciplinary research groups in different academic and industrial centers as a team member, I mastered my skills in communication, leadership, teamwork, work ethics, and critical thinking.

Data governance: Consistently overseeing data governance processes of different research studies as a data steward, I optimized the efficiency and ensured high standards in the collection, storage, access management, security, de-identification, and blinding of research data (e.g., Orthopedic medical record documentation in Sina

Hospital, Tehran, Iran)

Teaching: I have been teaching research methods and statistics (e.g., longitudinal analysis, survival analysis), statistical packages such as R (In Research Institute for endocrine sciences, Tehran, Iran, and Mashhad University). I teach in workshops and provide online classes.

Computer literacy: I am a confident coder of different statistical packages (e.g., Stata, R, SAS, and SPSS). I have a high level of competency in the Microsoft Office suite as well as different research-related applications (e.g. EndNote).

Employment

Assistant Professor – (Dec 2022-Current)

Prevention of Metabolic Disorders Research Center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Research Consultant – (2012-Dec 2022)

Prevention of Metabolic Disorders Research Center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran

- Bio-statistical consultation: I consulted researchers and postgraduate students, guiding in designing their analysis plan, data analysis, and cross-checking their results.
- Data analysis: I analyzed the dataset of the Tehran Lipid and Glucose Study and preparing reports
- Study progress evaluation: I monitored several medical projects to ensure their satisfactory progress.
- Leading author: I designed several studies based on the Tehran Lipid and Glucose Study; I conducted the statistical analysis, and I prepared and published result papers.

Consultant – (2019-2020)

Sina Hospital, Tehran, Iran

- Bio-statistical and epidemiological consultation: I consulted researchers and postgraduate students, guiding in designing their analysis plan, data analysis, and cross-checking their results.
- Data analysis: I analyzed the dataset of the Tehran Lipid and Glucose Study and preparing reports
- Study progress evaluation: I monitored several medical projects to ensure their satisfactory progress.
- Design and monitoring Orthopedic medical record documentation

Consultant – (2014-2018)

Taleghani Hospital, Tehran, Iran

- Data manager in Bone marrow Transplantation center
- Data manager of Taleghani hospital in European Bone Marrow Transplantation (EBMT)
- The legal representative of Taleghani hospital in the Public Affairs Committee of Iranian National Stem cell Donor Network

Senior Researcher – (2011-2012)

Shahid Beheshti hospital, Medical University of Babol, Iran

- Research manager: I managed a research project including study design, implementation, data collection, data analysis, and peer-review publication.
- Bio-statistical consultation: I consulted researchers and postgraduate students, guiding in designing their analysis plan, data analysis, and cross-checking their results.

Further experiences

Health data analyst–(2018- 2018)

Relief International, the United Nation

Analysis of Health-related and writing the related report for the United Nation in the area of Immigrant health-related factors such as mental and physical disability, social health-related factors including vaccination, women health, children specific health.

Project consultant on HIV– (2022)

UNAIDS

Project team member: Development of National HIV Testing Strategy based on NSP5 using the Goals Testing Model

Working with the oldest and large Iranian cohort: Tehran Lipids and glucose study

During my 9 years of research experience, I developed my analytical skills as well as writing, project monitoring, and evaluation skills in human science. Especially working on an ongoing prospective community-based data set on about 20,000 populations and following them for more than 18 years (the largest and oldest cohort of Iranian), approved my ability to deal with different applications from real-life problems.

Working with Iranian national survey follows the WHO STEPwise approach to Surveillance (STEPS)

The Surveillance of Risk Factors of Non-Communicable Diseases is a nationwide survey of non-communicable diseases and their associated risk factors among the Iranian general population.

Education

PhD of Epidemiology (2018-2021)

Shahid Beheshti University of medical sciences.

- Thesis Topic: Dynamic vs. static risk prediction for type 2 diabetes: model development and validation in a population-based cohort study

Strategies for identifying people at high risk of developing type 2 diabetes (T2DM) might play a major role in providing early intervention; the main assumption of these models is that the predictors stay constant within the study period. Dynamic prediction models using longitudinal and time-to-event measurements might increase the predictive ability of outcomes compared with the static prediction model (e.g., Cox regression model). The study

aims to develop and validate a dynamic prediction for incident T2DM as the outcome using baseline and repeated measurements of fasting plasma glucose (FPG) or waist circumference (WC) in the framework of the joint modeling (JM) of longitudinal and time-to-event analysis. We showed that the dynamic prediction models are superior since 1) dynamic models had the better predictive ability, and 2) identify true positive individuals before the onset of clinical diabetes, which allows enough time for appropriate treatment. Joint modeling of longitudinal and survival analysis may provide an appropriate tool for an individual-based prediction model with little added cost or effort as we showed with three measurements of WC. Our dynamic prediction models, compared with static ones, with the same discrimination, but better calibration and clinical usefulness could yield significant improvements in the prediction of T2DM, using repeated measurements of FPG or WC.

GPA: 19

Master of philosophy (MPhil) – (2017-2019)

Research institute for Endocrine Sciences, Shahid Beheshti University of medical sciences.

- Thesis Topic: Validation of the non-invasive risk score of ADA rule for diabetes screening among Iranian population: It's diagnostic and prognostic discrimination power

There is evidence to suggest that early-onset T2DM is associated with an increased risk for micro- and macrovascular complications. Therefore, there is an urgent need for identifying people with undiagnosed T2DM to reduce the burden of T2DM. The American Diabetes Association (ADA) 2018 guideline-recommended self-assessment T2DM screening score which is a no-lab screening tool for the assessment of undiagnosed T2DM. Because of different race/ethnicity, age, diet, and biological factors, the performance of T2DM screening tools could differ among populations. Therefore, it is well known that their performance needs to be validated in local populations. Consequently, we intended to validate the ADA simple free-laboratory risk score to identify people with undiagnosed diabetes in the Iranian population. Our findings support the ADA suggested threshold for identifying high-risk individuals for undiagnosed T2DM; however, a lower threshold is also recommended for higher sensitivity. The ADA screening tool could help the public health system for low-cost screening.

GPA: 19

Subjects passed:

- Basic epidemiology
- Social epidemiology
- Case-control studies, design, methodology, analysis, and interpretation
- Cohort studies, design, methodology, analysis, and interpretation
- interventional studies, design, methodology, analysis, and interpretation
- Survival analysis, logistic regression, mixed model analysis
- Prediction model analysis and interpretation
- External validation analysis and interpretation
- Joint modeling of survival and longitudinal analysis

Master of statistics-Biostatistics – (2008-2011)

University of Hasselt, Hasselt, Belgium

- Thesis Topic: Pre-and postnatal exposure to antibiotics and the prevalence of wheezing in children up to 4 years of age

Communication with: PIPO cohort (Prospective Cohort on Influence of Prenatal factors on the Occurrence of Asthma and Allergies at the Antwerp University (Belgium) started in 1997.

Supervisor: Prof. Dr. Joost Weyler (Email: joost.weyler@uantwerpen.be)

Passed subjects:

- Statistical Inference
- Nonparametric Methods Project: Multivariate Data Analysis
- Correlated and Multivariate Data
- Database Management
- Data Management in Statistics
- Project: Learning from Data
- Project: Discovering Associations
- Probability
- Analysis of variance and Regression
- Longitudinal Data Analysis
- Epidemiology
- Advanced Modeling Techniques
- Clinical Trials
- Bayesian Data Analysis
- Foundations of Linear models
- Molecular Biology
- Medical Biology
- Discrete Data Analysis
- Applied Data Modeling
- Survival Data Analysis
- Genetic Epidemiology
- Microbial risk assessment, clinical trials

Bachelor in Science Pure Mathematics – (2004-2007)

Mazandaran University, Babolsar, Iran

Academic Achievements

Journal Articles

YEAR: 2023

1. *External validation of the American prediction model for incident type 2 diabetes in the Iranian population.* **Asgari S, Khalili D, Azizi F, Hadaegh F. *BMC Medical Research Methodology.* 2023 Mar 29;23(1):77. **Q1 IF: 4.614****
2. Association of triglycerides to high-density lipoprotein cholesterol ratio to identify future prediabetes and type 2 diabetes mellitus: over one-decade follow-up in the Iranian population. Tohidi M, **Asgari S**, Chary A, Safiee S, Azizi F, Hadaegh F. *Diabetology & Metabolic Syndrome.* 2023 Dec;15(1):1-1. **Q2 IF: 5.395**
3. The Trend of Risk for Cardiovascular Diseases During the Past Decade in Iran, Applying No-Lab and Lab-Based Prediction Models. Fahimfar N, Kohansal K, **Asgari S**, Ostovar A, Hadaegh F, Khalili D. *Global Heart.* 2023 Feb 10;18(1). **Q3 IF: 3.218**

YEAR: 2022

4. Association between Wrist Circumference and Risk of Any Fracture in Adults: Findings from 15 Years of Follow-Up in the Tehran Lipid and Glucose Study. Tamehri Zadeh SS, Moazzeni SS, **Asgari S**, Mirbolouk M, Azizi F, Hadaegh F. *Journal of Clinical Medicine.* 2022 Nov 29;11(23):7048. **Q2 IF: 4.964**
5. The association between low-density and non-high-density lipoprotein cholesterol with incident cardiovascular disease among low-risk Iranians during 2 decades follow-up. Tohidi M, **Asgari S**, Chary A, Azizi F, Hadaegh F. *Clinical Biochemistry.* 2022 Nov 1;109:28-36. **Q2 IF: 3.625**
6. Differences in the impact of impaired glucose status on clinical outcomes in younger and older adults: Over a decade of follow-up in the Tehran lipid and glucose study. **Asgari S**, Masrouri S, Khalili D, Azizi F, Hadaegh F. *Frontiers in Cardiovascular Medicine.* 2022 Oct 31:2995. **Q2 IF: 5.848**
7. Association of ideal cardiovascular health metrics and incident type 2 diabetes mellitus among an urban population of Iran: One decade follow up in the Tehran Lipid and Glucose Study. **Asgari S**, Masrouri S, Hosseinpour-Niazi S, Moslehi N, Azizi F, Hadaegh F. *Journal of Diabetes Investigation.* 2022 Oct;13(10):1711-22. **Q3 IF: 3.681**
8. Health system performance in Iran: a systematic analysis for the Global Burden of Disease Study 2019Farzadfar F, Naghavi M, Sepanlou SG, Moghaddam SS, Dangel WJ, Weaver ND, Aminorroaya A, Azadnajafabad S, Koolaji S, Mohammadi E, Rezaei N. *The Lancet.* 2022 Apr 23;399(10335):1625-45. **Q1 IF: 202.731**
9. The Association of Ideal Cardiovascular Health Metrics and Incident Type 2 Diabetes Mellitus Among an urban population of Iran: a decade follow-up in Tehran Lipid and Glucose Study. **Asgari S**, Masrouri S, Hosseinpour S, Moslehi N, Azizi F, Hadaegh F. *Journal of Diabetes Investigation.* 2022 May 19. **Q1 IF: 4.23**
10. xsGastrointestinal symptoms are associated with a lower risk of hospitalization and mortality and Outcomes in COVID-19. Delavari A, **Asgari S**, Alimohamadi Y, Vosoogh-Moghaddam A, Sadeghi A, Shahrsvand S, Zakeri A, Moradzadeh R, Akbarpour S. *BMC gastroenterology.* 2022 Dec;22(1):1-0. **Q3 IF: 3.065**
11. Diabetes mortality and trends before 25 years of age: an analysis of the Global Burden of Disease Study 2019. Cousin E, Duncan BB, Stein C, Ong KL, Vos T, Abbafati C, Abbasi-Kangevari M, Abdelmasseh M, Abdoli A, Abd-Rabu R, Abolhassani H. *The Lancet Diabetes & Endocrinology.* 2022 Mar 1;10(3):177-92. **Q1 IF:32.069**
12. Letter to the Editor Regarding "Nationwide Prevalence of Diabetes and Prediabetes and Associated Risk Factors Among Iranian Adults: Analysis of Data from PERSIAN Cohort Study". **Asgari S**, Khalili D, Mehrabi Y, Hadaegh F. *Diabetes Therapy.* 2021 Dec 3:1-3. **Q2 IF:2.945**
13. Incidence and risk factors of severe non-proliferative/proliferative diabetic retinopathy: More than a decade follow up in the Tehran Lipids and Glucose Study. Sardarinia M, **Asgari S**, Hizomi Arani R, Eskandari F, Azizi F, Khalili D, Hadaegh F. *Journal of Diabetes Investigation.* 2021 Aug 17. **Q1 IF:4.232**

YEAR: 2021

14. The association of parity/live birth number with incident type 2 diabetes among women: over 15 years of follow-

- up in The Tehran Lipid and Glucose Study. Moazzeni SS, Hizomi Arani R, **Asgari S**, Azizi F, Hadaegh F. BMC women's health. 2021 Dec;21(1):1-9. **Q2 IF:2.809**
15. Dynamic prediction models improved the risk classification of type 2 diabetes compared with classical static models. **Asgari S**, Khalili D, Zayeri F, Azizi F, Hadaegh F. Journal of Clinical Epidemiology. 2021 Dec 1;140:33-43. **Q1 IF:6.437**
 16. Live birth/parity number and the risk of incident hypertension among parous women during over 13 years of follow-up. Moazzeni SS, **Asgari S**, Azizi F, Hadaegh F. The Journal of Clinical Hypertension. 2021 Oct 17. **Q2 IF:3.738**
 17. Number of parity/live birth (s) and cardiovascular disease among Iranian women and men: results of over 15 years of follow-up. BMC Pregnancy and Childbirth. Moazzeni SS, Toreyhi H, **Asgari S**, Azizi F, Tehrani FR, Hadaegh F. 2021 Dec;21(1):1-1. **Q2 IF:3.007**
 18. Prediction Models for Type 2 Diabetes Risk in the General Population: A Systematic Review of Observational Studies. **Asgari S**, Khalili D, Hosseinpahan F, Hadaegh F. International Journal of Endocrinology and Metabolism. 2021 Dec 31. **Q3**
 19. Macrosomia is a risk factor for incident maternal chronic kidney disease. BMC Pregnancy and Childbirth. Vahidi M, **Asgari S**, Tohidi M, Azizi F, Hadaegh F. 2021 Dec;21(1):1-2. **Q2 IF:3.007**
 20. The risk and added values of the atherosclerotic cardiovascular risk enhancers on prediction of cardiovascular events: Tehran lipid and glucose study. Hadaegh F, **Asgari S**, Moosaie F, Orangi M, Sarvghadi F, Khalili D, Azizi F. Journal of Translational Medicine. 2021 Dec;19(1):1-4. **Q1 IF:5.531**
 21. Sudden cardiac death among Iranian population: a two decades follow-up of Tehran lipid and glucose study. Toreyhi H, **Asgari S**, Khalili D, Pishgahi M, Azizi F, Hadaegh F. Scientific reports. 2021 Aug 3;11(1):1-0. **Q1 IF:4.379**
 22. Anthropometric indices and the risk of incident sudden cardiac death among adults with and without diabetes: over 15 years of follow-up in The Tehran Lipid and Glucose Study. Moazzeni SS, Tamehri Zadeh SS, **Asgari S**, Azizi F, Hadaegh F. Diabetology & metabolic syndrome. 2021 Dec;13(1):1-2. **Q2 IF:3.32**
 23. Long term prognostic implication of newly detected abnormal glucose tolerance among patients with stable cardiovascular disease: a population-based cohort study Kabootari M, **Asgari S**, Ghavam SM, Abdi H, Azizi F, Hadaegh F. Journal of translational medicine. 2021 Dec;19(1):1-2. **Q1 IF:5.531**
 24. The Role of Metabolic Syndrome and its Components in Incident Fracture: A 15-year follow-up among the Iranian Population. Amouzegar A, **Asgari S**, Azizi F, Momenan AA, Bozorgmanesh M, Hadaegh F. The Journal of Clinical Endocrinology & Metabolism. 2021 May;106(5):e1968-83. **Q1 IF:5.958**
 25. Sex-specific incidence rates and risk factors for fracture: A 16-year follow-up from the Tehran lipid and glucose study. Hadaegh F, **Asgari S**, Toreyhi H, Eskandari F, Fahimfar N, Bozorgmanesh M, Hosseinpahan F, Azizi F. Bone. 2021 May 1;146:115869. **Q1 IF:4.398**
 26. National trends in cardiovascular health metrics among Iranian adults using results of three cross-sectional STEPwise approaches to surveillance surveys. Rahmani F, **Asgari S**, Khalili D, Moeini AS, Tohidi M, Azizi F, Hadaegh F. Scientific Reports. 2021 Jan 8;11(1):1-1. **Q1 IF:4.379**
 27. Number of parity/live birth (s) and cardiovascular disease among Iranian women and men: results of over 15 years of follow-up. BMC Pregnancy and Childbirth. Moazzeni SS, Toreyhi H, **Asgari S**, Azizi F, Tehrani FR, Hadaegh F. 2021 Dec;21(1):1-1. **Q2 IF:3.007**
 28. The association of parity/live birth number with incident type 2 diabetes among women: over 15 years of follow-up in The Tehran Lipid and Glucose Study. Moazzeni SS, Hizomi Arani R, **Asgari S**, Azizi F, Hadaegh F. BMC women's health. 2021 Dec;21(1):1-9. **Q2 IF:2.809**
 29. Mapping routine measles vaccination in low-and middle-income countries. Local Burden of Disease Vaccine Coverage Collaborators. Nature. 2021;589(7842):415. **Q1 IF:49.962**

YEAR: 2020

30. The external validity and performance of the no-laboratory American Diabetes Association screening tool for identifying undiagnosed type 2 diabetes among the Iranian population. **Asgari S**, Lotfaliany M, Fahimfar N, Hadaegh F, Azizi F, Khalili D. Primary Care Diabetes. 2020 Jun 7. **Q2 IF:2.052**
31. Five insights from the Global Burden of Disease Study 2019. Abbafati, C., Machado, D.B., Cislighi, B., ..., Zheleva, B., Zhu, C. The Lancet, 2020, 396(10258), pp. 1135–1159. **Q1 IF:60.392**

32. Global burden of 87 risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. Abbafati, C., Machado, D.B., Cislighi, B., ..., Zheleva, B., Zhu, C. *The Lancet*, 2020, 396(10258), pp. 1223–1249. **Q1 IF:60.392**
33. 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. Abbafati, C., Machado, D.B., Cislighi, B., ..., Zheleva, B., Zhu, C. *The Lancet*, 2020, 396(10258), pp. 1204–1222. **Q1 IF:60.392**
34. 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. Abbafati, C., Machado, D.B., Cislighi, B., ..., Zheleva, B., Zhu, C. *The Lancet*, 2020, 396(10258), pp. 1160–1203. **Q1 IF:60.392**
35. External validation of the European risk assessment tool for chronic cardio-metabolic disorders in a Middle Eastern population. **Asgari, S.**, Moosaie, F., Khalili, D., Azizi, F., Hadaegh, F. *Journal of Translational Medicine*, 2020, 18(1), 267. **Q1 IF: 4.197**
36. Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017. Kinyoki, D.K., Ross, J.M., Lazzar-Atwood, A., ...Afshin, A., Hay, S.I. *Nature Medicine*, 2020, 26(5), pp. 750–759. **Q1 IF:36.13**
37. Sex-Specific Incidence Rates and Risk Factors for Hypertension During 13 Years of Follow-up: The Tehran Lipid and Glucose Study. *Global Heart*. **Asgari S**, Moazzeni SS, Azizi F, Abdi H, Khalili D, Hakemi MS, Hadaegh F.. 2020;15(1). **Q2 IF:3.862**
38. All-cancer incidence in Tehranian adults: more than a decade of follow-up—results from the Tehran Lipid and Glucose Study. Hadaegh F, **Asgari S(co-first author)**, Hashemi P, Baghbani-Oskouei A, Eskandari F, Azizi F, Tohidi M. *Public Health*. 2020 Apr 1;181:189-95. Year: 2018. **Q2 F:1.648 ;**

YEAR: 2019

39. Status of Hypertension in Tehran: Potential impact of the ACC/AHA 2017 and JNC7 Guidelines, 2012-2015. **Asgari S**, Khaloo P, Khalili D, Azizi F, Hadaegh F. *Sci Rep*. 2019 Apr 23;9(1):6382. doi: 10.1038/s41598-019-42809-3. **Q1 IF: 3.998**
40. Body mass index trajectories from adolescent to young adult for incident high blood pressure and high plasma glucose. Ahanchi NS, Ramezankhani A, Munthali RJ, **Asgari S**, Azizi F, Hadaegh F. *PLoS One*. 2019 May 1;14(5):e0213828. doi: 10.1371/journal.pone.0213828. eCollection 2019. **Q1 IF: 2.74**
41. Non-invasive Risk Prediction Models in Identifying Undiagnosed Type 2 Diabetes or Predicting Future Incident Cases in the Iranian Population. Lotfaliany M, Hadaegh F, **Asgari S**, Mansournia MA, Azizi F, Oldenburg B, Khalili D. *Arch Iran Med*. 2019 Mar 1;22(3):116-124. **Q1 IF: 0.996**
42. Long-Term Effectiveness of a Lifestyle Intervention: A Pragmatic Community Trial to Prevent Metabolic Syndrome. DavoodKhalili, **SamanehAsgari**, MojtabaLotfaliany, NedaZafari, FarzadHadaegh, Amir-AbbasMomenan, ArminNowroozpoor, FiroozehHosseini-Esfahani, ParvinMirmiran, ParisaAmiri, FereidounAzizi. *American Journal of Preventive Medicine*. Volume 56, Issue 3, March 2019, Pages 437-446. doi:10.1016/j.amepre.2018.10.029. **Q1 IF:4.527**

YEAR: 2018

43. The Burden of Statin Therapy based on ACC/AHA and NCEP ATP-III Guidelines: An Iranian Survey of Non-Communicable Diseases Risk Factors. **Asgari S**, Abdi H, Hezaveh AM, Moghisi A, Etemad K, Beni HR, Khalili D. *Sci Rep*. 2018 Mar 21;8(1):4928. doi: 10.1038/s41598-018-23364-9. **Q1 IF: 3.998**
44. Serum alkaline phosphatase and the risk of coronary heart disease, stroke and all-cause mortality: Tehran Lipid and Glucose Study. Kabootari M, Raee MR, Akbarpour S, **Asgari S**, Azizi F, Hadaegh F. *BMJ Open*. 2018 Nov 25;8(11):e023735. doi: 10.1136/bmjopen-2018-023735. **Q1 IF:2.496**

45. Blood pressure components and incident cardiovascular disease and mortality events among Iranian adults with chronic kidney disease during over a decade long follow-up: a prospective cohort study. Hashemi A, Nourbakhsh S, **Asgari S**, Mirbolouk M, Azizi F, Hadaegh F. *J Transl Med*. 2018 Aug 15;16(1):230. doi: 10.1186/s12967-018-1603-7. **Q1 IF: 4.197**
46. Direct and indirect effects of central and general adiposity on cardiovascular diseases: The Tehran Lipid and Glucose Study. Bakhtiyari M, Schmidt N, Hadaegh F, Khalili D, Mansournia N, **Asgari S**, Mansournia MA. *Eur J Prev Cardiol*. 2018 Jan 1;2047487318780030. doi: 10.1177/2047487318780030. **Q1 IF: 5.64**
47. World Bank Income Group, Health Expenditure or Cardiometabolic Risk Factors? A Further Explanation of the Wide Gap in Cardiometabolic Mortality Between Worldwide Countries: An Ecological Study. Lotfaliany M, Akbarpour S, Zafari N, Mansournia MA, **Asgari S**, Azizi F, Hadaegh F, Khalili D. *Int J Endocrinol Metab*. 2018 Jul 10;16(3):e59946. doi: 10.5812/ijem.59946. eCollection 2018 Jul. **Q3**
48. Clinical outcome according to spasm type of single coronary artery provoked by intracoronary ergonovine tests in patients without significant organic stenosis: Methodological and statistical issues. **Asgari S**. *Int J Cardiol*. 2018 Jun 1;260:19. doi: 10.1016/j.ijcard.2017.12.108. No abstract available. **Q1 IF: 3.471**
49. Association between duration of oral contraceptive use and risk of hypertension: A meta-analysis, methodological and statistical issues. **Asgari S**. *J Clin Hypertens (Greenwich)*. 2018 Mar;20(3):613. doi: 10.1111/jch.13208. Epub 2018 Feb 15. No abstract available. **Q2 IF: 2.719**
50. Different Weight Histories and Risk of Incident Coronary Heart Disease and Stroke: Tehran Lipid and Glucose Study. Kabootari M, **Asgari S**, Mansournia MA, Khalili D, Valizadeh M, Azizi F, Hadaegh F. *J Am Heart Assoc*. 2018 Feb 10;7(4). pii: e006924. doi: 10.1161/JAHA.117.006924. **Q1 IF: 4.45**
51. Serum Lipids During 20 Years in the Tehran Lipid and Glucose Study: Prevalence, Trends and Impact on Non-Communicable Diseases. Baghbani-Oskouei A, Tohidi M, **Asgari S**, Ramezankhani A, Azizi F, Hadaegh F. *Int J Endocrinol Metab*. 2018 Oct 16;16(4 Suppl):e84750. doi: 10.5812/ijem.84750. eCollection 2018 Oct. Review. **Q3**
52. New modified Friedewald formulae for estimating low-density lipoprotein cholesterol according to triglyceride levels: extraction and validation. Ghasemi A, **Asgari S**, Hadaegh F, Kheirandish M, Azimzadeh I, Azizi F, Tohidi M. *Endocrine*. 2018 Nov;62(2):404-411. doi: 10.1007/s12020-018-1685-2. Epub 2018 Jul 24. **Q1 IF: 3.235**
53. Outcomes of a Longitudinal Population-based Cohort Study and Pragmatic Community Trial: Findings from 20 Years of the Tehran Lipid and Glucose Study. Khalili D, Azizi F, **Asgari S**, Zadeh-Vakili A, Momenan AA, Ghanbarian A, Eskandari F, Sheikholeslami F, Hadaegh F. *Int J Endocrinol Metab*. 2018 Oct 13;16(4 Suppl):e84748. doi: 10.5812/ijem.84748. eCollection 2018 Oct. Review. **Q3**

YEAR: 2017

54. Impact of Hypertension versus Diabetes on Cardiovascular and All-cause Mortality in Iranian Older Adults: Results of 14 Years of Follow-up. Zafari N, **Asgari S**, Lotfaliany M, Hadaegh A, Azizi F, Hadaegh F. *Sci Rep*. 2017 Oct 27;7(1):14220. doi: 10.1038/s41598-017-14631-2. **Q1 IF: 3.998**
55. Predictors of early adulthood hypertension during adolescence: a population-based cohort study. Kalantari S, Khalili D, **Asgari S**, Fahimfar N, Hadaegh F, Tohidi M, Azizi F. *BMC Public Health*. 2017 Nov 28;17(1):915. doi: 10.1186/s12889-017-4922-3. **Q1 IF: 1.198**
56. The association between changes in blood pressure components and incident cardiovascular diseases. Parizadeh D, Ghahvehchian H, **Asgari S**, Momenan AA, Azizi F, Hadaegh F. *Blood Press*. 2017 Jul 14:1-9. doi: 10.1080/08037051.2017.1353882. **Q2 IF: 2.169**
57. Letter to the editor regarding Yanhui Dong et al: "National Blood Pressure Reference for Chinese Han Children and Adolescents Aged 7 to 17 Years". **Samaneh Asgari**. *Hypertension*. 2017;70:897-906 Originally published September 18, 2017. **Q1 IF: 7.017**
58. Determining the Factors Associated with Cardiovascular Disease Recurrence: Tehran Lipid and Glucose Study. Taravatmanesh S, Khalili D, Khodakarim S, **Asgari S**, Hadaegh F, Azizi F, Sabour S. *J Tehran Heart Cent*. 2017

Jul;12(3):107-113. Review. **Q4**

YEAR: 2016

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75. Years of Potential Life Lost due to unintentional drowning mortality in Mazandaran province. Akbarpour Samaneh, **Asgari Samaneh** (corresponding Author), Soori H, Khosravi A, Ghasempourin Kh. World Applied Sciences Journal 20 (10): 1433-1438, 2012.
 76. BLADDER CANCER RISK FACTORS: STUDY OF 238 CASES IN NORTH OF IRAN, BABOL Hamid S, Arsalan A, **Samaneh A**, Mahaddeseh M.. International Journal of Urology. 2012 Aug;19. Q1 IF:4.806
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Conference Presentations

1. 9th Iranian Congress of epidemiology, Tehran, Iran, 2019. Samaneh Asgari, Davood Khalili. Predictive validity of the American Diabetes Association screening tool for detecting undiagnosed type 2 diabetes among Iranian population. **Poster**
2. 9th Iranian Congress of epidemiology, Tehran, Iran, 2019. Samaneh Asgari, Seyyed Saeed Moazzeni, Farzad Hadaegh. Age-standardized Sex specific Incidence rate of hypertension in Iranian adults. **Poster**
3. 17th International congress of Endocrinology-2016, China 2016. Asgari, S.Ghasemzadeh, Z., Abdi, H., , Tohidi, M., Khalili, D., Valizadeh, M., Moeini, S., Eidkhani, V., Azizi, F., Hadaegh, F. Divergent pathway of Lipid profile components for cardiovascular disease and all-cause mortality event: Results of over a decade follow-up among Iran population. **Poster**
4. 17th International congress of Endocrinology-2016, China 2016. Samaneh Asgari, Amirhossein Mozaffary, Maryam Tohidi, Sara Kazempour-Ardebili, , Fereidoun Azizi, , Farzad Hadaegh. Fasting plasma glucose change and incident type2 diabetes mellitus in Iranian men and women: a 6 years follow-up study. **Poster**
5. 17th International congress of Endocrinology-2016, China 2016. Samaneh Asgari, Davood Khalili, Maryam Barzin, Farhad Hosseinpanah, Farzad Hadaegh, Fereidon Azizi. The obesity paradox in patients with recurrent coronary heart disease: data from the Tehran lipid and Glucose Study. **Poster**
6. European congress of epidemiology, Maastricht-Netherland 2015. Samaneh Asgari, Davood Khalili, Maryam Barzin, Farhad Hosseinpanah, Farzad Hadaegh, Fereidon Azizi. Incidence of recurrent CHD and the impact of obesity paradox in a population-bases study: population-based study: Tehran lipid and glucose study (Accepted as poster presentation in European congress of epidemiology-2015) **Poster**
7. 10th International congress of Endocrine Disorders, Iran 2014. Samaneh Asgari, Davood Khalili, Farzad Hadaegh, Fereidoun Azizi Evaluation of ACC/AHA new guideline for statin therapy in Tehran Lipid and glucose study. **Poster**
8. 10th International congress of Endocrine Disorders, Iran 2014. Samaneh Asgari, Davood Khalili, Farzad Hadaegh, Fereidoun Azizi. Treatment for secondary prevention in patients with prevalent coronary heart disease: Tehran Lipid and Glucose Study (TLGS), 2000-2010 **Poster**
9. 10th International congress of Endocrine Disorders, Iran 2014. Davood Khalili, Samaneh Asgari, Farzad Hadaegh, Fereidoun Azizi. How many people need satin therapy based on 2013ACC/AHA guideline in Iran **Poster**
10. 11th Urology conference-Thailand -2012. Hamid Shafi, Arsalan ramaji, Mohadeseh Mirzapour, Samaneh Asgari. Bladder cancer risk factors: a study of 238 cases in north of Iran, Babol. **Poster**
11. VII Malta medical school conference, Italy 2012. Aliasghar Darzi, A Samaneh Asgari, Comparison study of the effect of Laparoscopic Cholecystectomy in Acute Cholecystitis and Chronic Cholecystitis. **Poster**

Projects

1. Prevalence of abnormal Alanine aminotransferase in Tehranian adults and its relationship to metabolic risk factors: a cross sectional study in Tehran Lipid and Glucose Study (2018-2021) (Project Implementer; 2021-2023)
2. The Association of Ideal Cardiovascular Health Metrics and Incident Hypertension : a decade follow-up in : Tehran Glucose and Lipid Study (Project partners; 2021-2022)
3. Evaluation of association between triglycerides to high-density lipoprotein cholesterol index and incident dysglycemia and determination of its cut-off points: Tehran Lipid and Glucose Stud (Project partners; 2021-2022)
4. Evaluation of the association between GFR and bone fracture during 17 years follow up: Tehran Glucose and Lipid Study (Project partners; 2021-2022)
5. The association between low-density and non-high density lipoprotein cholesterol with incident atherosclerotic cardiovascular diseases in 40-79 years low risk subjects: Tehran Lipids and Glucose Study (**Project partners**; 2021-2022)
6. Association between Ideal cardiovascular health metrics with incident type 2 diabetes: Tehran Lipids and Glucose study(**Project Implementer**; 2021-2022)
7. External validation of the Reasons for Geographic And Racial Differences in Stroke prediction model for incident Type 2 diabetes: Tehran lipids and glucose study (**Project Implementer**; 2021-2022)
8. The incidence rate of proliferative diabetic retinopathy and Its Risk Factors over a Decade Follow-up: Tehran Lipid and Glucose Study (**Project partners**; 2020-2021)
9. Sudden Cardiac Death among Iranian population: A two decades follow-up of Tehran Lipid and Glucose Study (**Project partners**; 2020-2021)
10. The association of Metabolic Syndrome and its Components with Incident Fracture from 1999 to 2018: Tehran lipids and glucose study (**Project partners**; 2020-2021)
11. Association of wrist circumference with the risk of incident all-fracture among Tehranian adults: The Tehran Lipid and Glucose Study. (**Project partners**; 2020-2021)
12. The Role of risk enhancing Factors in Predicting Cardiovascular disease among 40 to 75 years old population with borderline and intermediate risk in Tehran Lipid and Glucose Study (**Project partners**; 2020-2021)
13. Association of number of parity/live birth(s) with incident hypertension among female Tehranian residents: The Tehran Lipid and Glucose Study (**Project partners**; 2020-2021)
14. Incidence of Fracture and its predictors: Tehran Lipid and glucose study (**Project partners**; 2020-2021)
15. Association between prediabetes and newly diagnosed diabetes and recurrent cardiovascular disease in non-diabetic patients: Tehran Lipid and glucose study (**Project partners**; 2020-2021)
16. External validation of the risk tool for chronic cardiometabolic disorders (**Project Implementer**; 2020-2021)
17. Association of number of parity/live birth(s) with cardiovascular disease among Tehranian residents: Results of over than 15 years of follow-up: Tehran Lipid and Glucose study. (**Project partners**; 2020-2021)
18. Trend in ideal cardiovascular health status among Iranian adult population in 2007-2016(**Student Thesis consultant** (Fellowship);2019-2020)
19. Role of risk enhancers in predicting cardiovascular disease among 40 to 75 years old population with borderline and intermediate risk: Tehran Lipid and Glucose study (**Student Thesis consultant** (Fellowship);2019-2020)
20. Prediction models for type 2 diabetes: A systematic review of methodology and reporting (**Project Implementer**;2019-2020)
21. Validation of the non-invasive risk score of ADA rule for diabetes screening among Iranian population: It's diagnostic and prognostic discrimination power (**Project Implementer**;2018-2020)
22. Incidence of malignancies in an Iranian population over a decade follow-up. (**Project partners**;2018-2020)
23. Status of Hypertension in Tehran: Potential impact of The ACC/AHA 2017, JNC7 and JNC 8 Guidelines, 2012-2015(**Project Implementer**;2018-2019)
24. Blood Pressure components and the risk of incident cardiovascular disease and mortality among Iranians adults with Chronic Kidney Disease during over a decade follow Up (**Project partners**;2017-2018)
25. The burden of ACC/AHA guideline on definition of hypertension in Iranian population (**Project Implementer**;2017-2018)
26. Cumulative Excess risk of General and Central adiposity and incident Chronic kidney disease in Tehran Lipid and Glucose Study (**Project Implementer**;2017-2018)
27. Establish and setting the context for analysis genome wide association data of Tehran genetic cardio metabolic studies, phase 2: Genetic data cleaning (**Project partners**;2017-2018)
28. Establish and setting the context for analysis genome wide association data of Tehran genetic cardio-metabolic studies. (**Project partners**;2017-2018)
29. Impact of Hypertension versus Diabetes on Cardiovascular and All-cause Mortality in Iranian Older Adults:

Results of a More than a Decade Follow Up (**Project partners**;2017-2018)

30. Different Weight Histories and Risk of Incident Coronary Heart Disease and Stroke: Tehran Lipid and Glucose Study (**Student Thesis consultant** (Fellowship);2017-2018)

31. Added value of total serum nitrate/nitrite for prediction of cardiovascular disease in Middle East Caucasian residents in Tehran. (**Project partners**;2015-2016)

32. Determining the Factors Associated with Cardiovascular Disease Recurrence: Tehran Lipid and Glucose Study.

(**Student Thesis consultant** (master of Epidemiology); 2014-2015)

33. Predictors of Early Adulthood Hypertension during Adolescence: A Population-Based Cohort Study of the TLGS (**Project Implementer**;2015-2016)

34. The association between changes in blood pressure components and incident cardiovascular diseases.

(**Student Thesis consultant** (Medical student) ; 2014-2015)

35. Divergent pathway of lipid profile components for cardiovascular disease and mortality events: Results of over a decade follow-up among Iranian population. (**Student Thesis consultant**; (Fellowship)2014-2015)

36. Incidence and risk factors of isolated systolic and diastolic hypertension: a 10 year follow-up of the Tehran Lipids and Glucose Study. (**Project Implementer**;2014-2015)

37. Secular trends in serum lipid levels of a Middle Eastern adult population; 10 years follow up in Tehran lipid and glucose study. (**Student Thesis consultant** (Fellowship);2013-2014)

38. Change in fasting plasma glucose and incident type2 diabetes mellitus: results of the 6 years follow-up of a population based cohort study(**Project Implementer**;2013-2014)

39. Incidence Rates of premature cardiovascular disease and its Risk Factors: 12-year follow up of the prospective Tehran Lipid and Glucose Study(**Project partners**;2013-2014)

40. The impact of obesity paradox on coronary heart disease in population-based study: Tehran lipid and Glucose Study(**Project Implementer**;2013-2014)

41. An Ecologic Study on Association between CVD risk factors and economic status with CVD mortality. (**Project partners**;2013-2014)

42. The burden of statin therapy in urban population of Iran based on new ACC/AHA guideline(**Project Implementer**;2012-2013)

43. New ACC/AHA guideline application in Iranian population; A new approach to test validity and clinical usefulness of the 2013 ACC/AHA guideline on statin therapy: A population-based study (**Project Implementer**;2012-2013)

44. Sex-specific relations between fasting insulin, insulin resistance and incident hypertension: 8.9 years follow-up in a Middle-Eastern population. (**Project partners**;2012-2013)

45. The effect of lifestyle modification education on metabolic syndrome and its components in adults: Tehran Lipid and Glucose Study. (**Project Implementer**;2012-2013)

46. Prevalence and Trends of metabolic syndrome, its components and their association with fruit and vegetable (F&V) intake, physical activity and smoking in Iran: From the Iranian national surveys on the risk factors of Non-communicable Disease (2005-2011). (**Project Implementer**;2012-2013)

Teaching on Workshops

- Research methods, the Research Institute for endocrine sciences, Shahid Beheshti University of medical science, Tehran, Iran, 2018-2020
- Longitudinal analysis: Iran Cohort Consortium (ICC), Shahrood, Iran, August 2016
- Research methods, the Research Institute for endocrine sciences, Shahid Beheshti University of medical science, Tehran, Iran, 2013
- Multivariate Analysis and the related concepts on statistical packages (R and SPSS), Mashhad, Iran, 2012
- Regression and Analysis of variance, Ferdosi University, zoology group, Mashhad, Iran, 2011
- Statistical software R and SAS, Ferdosi University, zoology group, Mashhad, Iran, 2011

Review for the Journals

- Cardiovascular Diabetology
- Scientific Reports
- BMJ Open
- Primary Care Diabetes
- International Journal of Endocrinology and Metabolism
- Indian Heart Journal
- Preventive medicine
- Journal of clinical hypertension
- Vascular Health and Risk Management
- Annals of Medicine
- Risk Management and Healthcare Policy
- Diabetes, Metabolic Syndrome and Obesity
- BMC Public Health
- BMC Cardiovascular Disorders

Research Funding Acquisition

- Research grant of Shahid Beheshti university of medical sciences; March 2020
- Travel grant (~1000 \$), 17th International Congress of Endocrinology-2016

Skills

- English - Good fluency
- General computer application package such as
 - ✓ R
 - ✓ Stata
 - ✓ SAS
 - ✓ SPSS
 - ✓ Office
- Methodology consultant for university thesis, master of science: 4
- Methodology consultant for fellowship students: 11