

Curriculum Vitae

Razieh Hassannejad, PhD
Isfahan Cardiovascular Research Center,
Cardiovascular Research Institute,
WHO Collaborating Center,
Isfahan University of Medical Sciences,
Isfahan, Iran

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PERSONAL DETAILS

Name: Razieh
Last Name: Hassannejad
Birth Date: June 8, 1984
Marital Status: Married
Nationality: Iranian

EDUCATION

2013-2018 Isfahan University of Medical sciences, Isfahan, Iran
PhD in Biostatistics

Dissertation Title: A new modelling scheme to analysing over-dispersed longitudinal ordinal data with extra zeros.

2008-2011 Isfahan University of Medical sciences, Isfahan, Iran
MSc of Biostatistics

Dissertation Title: Machine Learning Approach and Ordinal Logit Regression with application in Breast cancer

2004-2007 Isfahan University of Technology, Isfahan, Iran
BSc in statistics

ACADEMIC EXPERIENCE

Assistant professor, Cardiovascular Research Institute, WHO Collaborating Center, Isfahan University of Medical Science, Isfahan, Iran. (April 2019 till now)

RESEARCH INTERESTS

- Risk assessment models
- Modelling burden of disease
- Flexible modelling of random-effects distributions in longitudinal data
- Generalized linear mixed-effects models

- Semi-parametric Bayesian models for correlated data
- Modelling Survival data

TEACHING EXPERIENCE

Najafabad Unit, Azad University of Isfahan, Isfahan, Iran
 Hashbehesht University of Isfahan, Isfahan, Iran
 Isfahan University of Medical sciences, Isfahan, Iran

Taught courses

- Statistics and Probability
- Biostatistics
- Biostatistics and Methodology of Research
- Methodology of Research in Medical and Health
- Biostatistics and Health Indices
- Analysing Health Data using SPSS for Windows

RESEARCH EXPERIENCE AND POSITION

- Member of research council of Isfahan cardiovascular research center, Cardiovascular Research Institute, Isfahan University of Medical sciences, Isfahan, Iran.
- Member of research council of hypertension research center, Cardiovascular Research Institute, Isfahan University of Medical sciences, Isfahan, Iran.
- Collaboration with “The Annual Research Day” as a reviewer in Isfahan University of Medical Sciences, Isfahan, Iran.
- Collaboration with Journal of Research in Medical Sciences as reviewer.
- Collaboration with Journal of Health System Research as reviewer.
- Collaboration with Journal of Knowledge & Health as reviewer.
- Collaboration with ARYA Atherosclerosis Journal as reviewer.

PUBLICATIONS

Hassannejad R, Sharrouf H, Haghighatdoost F, Kirk B, Amirabdollahian F. Diagnostic Power of Circulatory Metabolic Biomarkers as Metabolic Syndrome Risk Predictors in Community-Dwelling Older Adults in Northwest of England (A Feasibility Study). *Nutrients*. 2021 Jul;13(7):2275.

Hassannejad R, Mansourian M, Marateb H, Mohebian MR, Gaziano TA, Jackson RT, Di Angelantonio E, Sarrafzadegan N. Developing Non-Laboratory Cardiovascular Risk Assessment Charts and Validating Laboratory and Non-Laboratory-Based Models. *Global heart*. 2021;16(1).

Hassannejad R, Moosavian SP, Mohammadifard N, Mansourian M, Roohafza H, Sadeghi M, Sarrafzadegan N. Long-term association of red meat consumption and lipid profile: A 13-year prospective population-based cohort study. *Nutrition*. 2021 Jun 1;86:111144.

Hajihashemi P, **Hassannejad R**, Haghighatdoost F, Mohammadifard N, Sadeghi M, Roohafza H, Sajjadi F, Sarrafzadegan N. The long-term association of different dietary protein sources

with metabolic syndrome. *Scientific Reports*. 2021 Sep 29;11(1):1-8.

Mohammadifard N, Ghaderian N, **Hassannejad R**, Sajjadi F, Sadeghi M, Roohafza H, Salas-Salvadó J, Sarrafzadegan N. Longitudinal Association of Nut Consumption and the Risk of Cardiovascular Events: A Prospective Cohort Study in the Eastern Mediterranean Region. *Frontiers in Nutrition*. 2021:315.

Grau N, Mohammadifard N, **Hassannejhad R**, Haghighatdoost F, Sadeghi M, Talaei M, Sajjadi F, Mavrommatis Y, Sarrafzadegan N. Red and processed meat consumption and risk of incident cardiovascular disease and mortality: Isfahan cohort study. *International Journal of Food Sciences and Nutrition*. 2021 Oct 28;1-0.

Sadeghi M, Simani M, Mohammadifard N, Talaei M, Roohafza H, **Hassannejad R**, Sarrafzadegan N. Longitudinal association of dietary fat intake with cardiovascular events in a prospective cohort study in Eastern Mediterranean region. *International Journal of Food Sciences and Nutrition*. 2021 Nov 17;72(8):1095-104.

Sadeghi M, Soleimani A, Sarrafzadegan N, Askari M, Nouri F, Masoumi G, **Hassannejad R**, Roohafza H. Background and design of a 5-year ST Elevation Myocardial Infarction Cohort in Isfahan, Iran: SEMI-CI study. *ARYA Atherosclerosis*. 2021 Jul 28;17:2375-15.

Marateb HR, von Cube M, Sami R, Haghighjooy Javanmard S, Mansourian M, Amra B, Soltaninejad F, Mortazavi M, Adibi P, Khademi N, Sadat Hosseini N, Toghyani A, **Hassannejad R**, Mañanas MA, Binder H and Wolkewitz M. Absolute mortality risk assessment of COVID-19 patients: the Khorshid COVID Cohort (KCC) study. *BMC medical research methodology*. 2021 Dec;21(1):1-9.

Shakibaei N, **Hassannejad R**, Mohammadifard N, Marateb HR, Mansourian M, Mañanas MA, Sarrafzadegan N. Pathways leading to prevention of fatal and non-fatal cardiovascular disease: An interaction model on 15 years population-based cohort study. *Lipids in health and disease*. 2020 Dec;19(1):1-2.

Hassannejad R, Mohammadifard N, Kazemi I, Mansourian M, Sadeghi M, Roohafza H, Sarrafzadegan N. Long-term nuts intake and metabolic syndrome: a 13-year longitudinal population-based study. *Clinical Nutrition*. 2019 Jun 1;38(3):1246-52.

Sarrafzadegan N, **Hassannejad R**, Roohafza H, Sadeghi M, Talaei M, Oveisgharan S, Mansourian M. A 10-year Isfahan cohort on cardiovascular disease as a master plan for a multi-generation non-communicable disease longitudinal study: methodology and challenges. *Journal of human hypertension*. 2019 Nov;33(11):807-16.

Mohammadifard N, Haghighatdoost F, Mansourian M, **Hassannejhad R**, Sadeghi M, Roohafza H, Sajjadi F, Maghroun M, Alikhasi H, Sarrafzadegan N. Long-term association of nut consumption and cardiometabolic risk factors. *Nutrition, Metabolism and Cardiovascular Diseases*. 2019 Sep 1;29(9):972-82.

Hassannejad R, Kazemi I, Sadeghi M, Mohammadifard N, Roohafza H, Sarrafzadegan N, et al. Longitudinal association of metabolic syndrome and dietary patterns: A 13-year prospective population-based cohort study. *Nutr Metab Cardiovasc* 2018;28(4):352-360.

Sarrafzadegan N, **Hassannejad R**, Marateb HR, Talaei M, Sadeghi M, Roohafza HR, et al. PARS risk charts: A 10-year study of risk assessment for cardiovascular diseases in Eastern Mediterranean Region. PLoS One 2017;12:e0189389.

Barekatain M, Maracy MR, **Hassannejad R** and Hosseini R. Factors Associated with Readmission of Patients at a University Hospital Psychiatric Ward in Iran. Psychiatry Journal 2013, 5 pages. doi:10.1155/2013/685625.

Yadegarfar G, Alinia T, Hosseini R, **Hassannejad R**, Fayaz M, Sanati J, et al.. Psychometric properties of the Farsi version of effort-reward imbalance questionnaire: a longitudinal study in employees of a synthetic fibre factory in Iran. Int Arch Occup Environ Health 2013;86:147–55.

Ataie M, Nokhodian Z, Ataie B, Kassaian N, Yaran M, **Hassannejad R**. Seroprevalence of hepatitis B virus and human immunodeficiency virus among young prisoners. J Res Med Sci Off J Isfahan Univ Med Sci 2013;18:70.

Kassaian N, Adibi P, Kafashaian A, Yaran M, Nokhodian Z, Shoaie P, **Hassannejad R**, et al. Hepatitis C virus and associated risk factors among prison inmates with history of drug injection in Isfahan, Iran. Int J Prev Med 2012;3:S156.

Hassannejad R, Kassaian N, Ataie B, Adibi P. High risky behaviors among intravenous drug users in Isfahan, Iran: A study for hepatitis C harm reduction programs. Int J Prev Med 2012;3:S73.

Shoaie P, Lotfi N, **Hassannejad R**, Yaran M, Ataie B, Kassaian N, et al. Seroprevalence of hepatitis C infection among laboratory health care workers in Isfahan, Iran. Int J Prev Med 2012;3:S146.

Nokhodian Z, Ataie B, Kassaian N, Yaran M, **Hassannejad R**, Adibi P. Seroprevalence and risk factors of hepatitis C virus among juveniles in correctional center in Isfahan, Iran. Int J Prev Med 2012;3:S113.

Nokhodian Z, Meshkati M, Adibi P, Ataie B, Kassaian N, Yaran M, Shoaie P, **Hassannejad R***. Hepatitis C among intravenous drug users in Isfahan, Iran: a study of seroprevalence and risk factors. Int J Prev Med 2012;3:S131.

Shoaie P, Zeidabadinejad L, **Hassannejad R**, Ataie B, Yaran M, Kassaian N, et al. Seroprevalence of hepatitis A in patients with chronic hepatitis C in Isfahan province. Int J Prev Med 2012;3:S102.

Ataie B, Hashemipour M, Kassaian N, **Hassannejad R**, Nokhodian Z, Adibi P. Prevalence of anti HCV infection in patients with Beta-thalassemia in isfahan-iran. Int J Prev Med 2012;3:S118.

Yadegarfar G, Alinia T, **Hassannezhad R**, Fayaz M, Hosseini R, Sanati J, et al.. Validation and localization of farsi version of effort-reward imbalance questionnaire to measure job stress among employees of Isfahan polyacryle corporation. Iranian Journal of Epidemiology 2012; 8(3). [In persian]

Hosseini M, **Hassannejad R**, Khademolghorani SH, Tabatabaeian M, Mokarian F. Identification of patterns of breast cancer metastasis among women referred to Isfahan Seyedoshohada Center, Iran, between 1999 and 2009 by association rules and ordinal logistic regression. Health System Research 2011; 7(6). [In persian]

Maracy MR, Barekatin M, Hosseini R and **Hassannejad R**. Relationship between Psychological Disorder and Epidemiological Characteristics Inpatients in Noor Hospital, Isfahan, Iran. Health System Research 2011; 7(2). [In persian]

THESIS SUPERVISION AND COUNSULTANT

Determination and comparison of ten-year risk of cardiovascular disease according to WHO and AHA risk chart in Isfahan cohort study population.

Networking Related Factors of Cardiovascular Disease in Isfahan Cohort Study Using Bayesian Structural Equation Modeling.

The relationship between dairy consumption and the severity of coronary artery disease in patients with premature coronary artery disease: a case-control study.

The association of processed foods with cardiovascular events in Isfahan cohort study from 2001-2018.

The relationship between urinary sodium and potassium levels and cardiovascular events and risk factors in isfahan cohort study.

ONGOING RESEARCH AND COMPLETED PROJECTS

Comparing vitamin D receptor gene polymorphisms between COVID-19 patients with mild and severe symptoms: A case-control study

Relationship between dietary patterns and the severity of covid-19 disease in adults with covid-19 in Isfahan county.

Determining the frequency and pattern of deaths in COVID-19 hospitalized and outpatients in Isfahan.

Effect of intra-rectal midazolam administration before urodynamic study on pain, stress and cooperation of patient during test in women referred to Urodynamic Center of Khorshid Hospital in 2020.

Development of national clinical practice guidelines for the Management and Treatment of Acute Coronary Syndromes (Hakami GRANT).

Development of clinical practice guidelines for the Prevention, Management, Diagnosis and Treatment of Dyslipidemia.

Design, Evaluation and Validation of PARS Cardiovascular Disease Risk assessment model Based on Laboratory and Non-Laboratory Risk Factors and Design of Cardiovascular Disease Calculator web-based system.

Socio-economic inequality in hypertension control in patients with hypertension in Isfahan-2019.

Factor associated with readmission among psychiatric inpatients at Noor hospital in Isfahan for 2004-2009.

Study of epidemiologic characteristic of psychiatric inpatient at Noor hospital in Isfahan, 2004-2009.

Prevalence of HPV and potential Risk Factors among Cervical discharges from women with Risky Social Behavior in Isfahan, Iran, 2012.

Prevalence of Neisseria Gonorrhea and potential Risk Factors among Cervical discharges from women with Risky Social Behavior in Isfahan, Iran, 2011.

Prevalence of Neisseria Gonorrhea and potential Risk Factors among Cervical discharges from women with Risky Social Behavior in Isfahan, Iran, 2011.

Prevalence of Chlamydia trachomatis and potential Risk Factors in urine sample of women with Risky Social Behavior in Isfahan, Iran, 2012.

Prevalence of Chlamydia trachomatis and potential Risk Factors among Cervical discharges from women with Risky Social Behavior in Isfahan, Iran, 2011.

Prevalence of herpes simplex type 2 and potential Risk Factors among women with Risky Social Behavior in Isfahan, Iran, 2011.

High risk behaviors among juveniles in correction center and their families in Isfahan, Iran, 2010.

CONFERENCES and COURSES ATTENDED

National Conferences

Yadegarfar G, Fayaz M, Alinia T, **Hassannezhad R**, Hosseini R, Sanati J, Harandi J, Haj Nouruzali V, Baghi M. Shift work and job stress among employees of Polyacryl Iran Corporation Company. 6th Iranian Congress of Epidemiology, Shahrood, Iran. July 13-15, 2010. (Poster presentation).

Maracy M.R, Barkatain M, **Hassannejad R**, Hosseini Reihane. Factor Associated with readmission among psychiatric inpatients at Noor hospital in Esfahan, Iran from 2004-2009. The 1st student national congress on social determinants of health, Tehran, Iran, October 13-14, 2010. (**I have presented delivered poster presentations and it was selected as a top poster**)

Maracy M.R, Barkatain M, Hosseini R, **Hassannejad R**. The Relationship between Psychiatric Disorders and Epidemiological Characteristics among psychiatric inpatients at Noor hospital in Esfahan, Iran from 2004-2009. The 1st student national congress on social determinants of health, Tehran, Iran, October 13-14, 2010. (Poster presentation)

Yadegarfar G, Alinia T, Hosseini H, **Hassannezhad R**, Fayaz M, Sanati J, Haj Nouruzali V, Baghi M.R, Mirzavand E. Psychological stress at work and depression symptoms in employees of Polyacryl Iran Corporation Company. Tabriz, Iran. 16 -19 May 2011. (Oral presentation)

International Conferences

Yadegarfar G, Alinia T, Hosseini R, **Hassannezhad R**, Fayaz M, Sanati J. The Farsi version of effort - reward imbalance questionnaire: A study of Psychometric Properties in employees of Isfahan Polyacryle Corporation. The First International Congress of Evidence Base Medicine in Developing Countries, Tabriz, Iran. April 20 – 23, 2010. (Poster presentation)

Yadegarfar G, Alinia T, Sanati J, Hosseini R, **Hassannezhad R** .Job stress and cardiovascular disease risk factors: a cross sectional study on employees of Polyacryl Iran Corporation Company. ICOH-WOPS Conference: The Changing World of Work, Amsterdam, NL. June 14-17, 2010. (Oral presentation)

Maracy M.R, Barkatain M, **Hassannejad R**, Hosseini Reihane. Factor Associated with readmission among psychiatric inpatients at Noor hospital in Esfahan, Iran from 2004-2009. International conference on development and applications of statistics in emerging areas of science and technology, Jammu, India, December 8-10, 2010.(Oral presentation)

Yadegarfar G, **Hassannezhad R**, Hosseini R, Alinia T, Fayaz M, Sanati J, Haandi J, Haj Nouruzali V, Baghi M, Mirzavand E, Harandi A. Shift work, Job stress and CVD risk factors. Stockholm, Sweden. June 28 to July 1, 2011. (Oral presentation)

Yadegarfar G, Alinia T, Fayaz M, **Hassannezhad R**, Hosseini R, Ramazani Neda, Sanati J, Harandi J, Haj Nouruzali V, Baghi M.R, Mirzavand E. Work and individual factors of job stress: An investigation within an industrial company in Iran. Edinburgh International Conference Centre, Edinburgh, Scotland. 7-11th August 2011. (Poster presentation)

Continuous Professional Development (CPD) Courses

Systematic Review Workshop

Isfahan University of Medical sciences, Isfahan, Iran

Writing Scientific Articles Workshop

Isfahan University of Medical sciences, Isfahan, Iran

Arbitration Articles Workshop

Isfahan University of Medical sciences, Isfahan, Iran

Journal Submission Workshop

Isfahan University of Medical sciences, Isfahan, Iran

Health Start-up Weekend program

Isfahan University of Medical sciences, Isfahan, Iran

Modern Variable (Featured) Selection Techniques in High

Dimensional Regression Problems

Isfahan Mathematic House, Isfahan, Iran

Research Methods Workshop

Isfahan University of Medical sciences, Isfahan, Iran

Searching in scientific databases workshop

Isfahan University of Medical sciences, Isfahan, Iran

Mendeley Software Workshop

Isfahan University of Medical sciences, Isfahan, Iran

EndNote software workshop

Isfahan University of Medical sciences, Isfahan, Iran

Teaching methods Workshop

Isfahan University of Medical sciences, Isfahan, Iran

Advanced search methods Workshop

Isfahan University of Medical sciences, Isfahan, Iran

Design and production of electronic learning courses Workshop

Isfahan University of Medical sciences, Isfahan, Iran

Ethics in research Workshop

Isfahan University of Medical sciences, Isfahan, Iran

Systematic Review and Meta Analysis Workshop

Isfahan University of Medical sciences, Isfahan, Iran

R Software Workshop

Isfahan University of Medical sciences, Isfahan, Iran

WinBugs Software Workshop

Isfahan University of Medical sciences, Isfahan, Iran

SPSS Software Workshop

Isfahan University of Medical sciences, Isfahan, Iran

Advanced search methods in Systematic Review Workshop

Isfahan University of Medical sciences, Isfahan, Iran

Localization of Questionnaire Workshop

Isfahan University of Medical sciences, Isfahan, Iran