

Hossein Molavi Vardanjani, MSc, MPH, PhD in Epidemiology

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EDUCATION

2017- 2021, Shiraz University of Medical Science,

□ MS in health policy and management

Thesis title: Investigation of the public trust in the healthcare system in Iran,
Supervisor: **Prof. Kamran Bagheri-Lankarani**

2010- 2015, Kerman University of Medical Sciences, Faculty of Health

□ PhD in Epidemiology and biostatistics

Thesis Title: Completeness of case ascertainment at Kerman cancer registry: An adaptation of generalized network scale-up method Supervisor: **Prof. Ali Akbar Haghdoost**,

2008- 2010, Shiraz University of Medical Sciences, Faculty of Health

□ MS in Epidemiology and biostatistics

Thesis Title: Temporal trends of gastrointestinal cancers in Fars province, 2000- 2009:
Application of joinpoint regression

Supervisor: **Prof. Jafar Hassanzadeh**

2004- 2008 Isfahan University of Medical Sciences, Faculty of Health; Yazd Medical University of Shahid Sadoughi, Faculty of Public Health

Thesis title: A Survey of the Pattern of cardiovascular disease risk factors in Isfahan
Supervisor: **Prof. Mohsen Janghorbani**

EMPLOYMENT

- **2021-current**, Associate Vice-Chancellor for Research Evaluation & Development, Shiraz university of medical sciences, Shiraz, Iran
- **2020-current**, Director of MD/MPH program, Shiraz University of Medical Sciences, Shiraz, Iran
- **2017- Current**, Assistant professor of Epidemiology, Shiraz University of Medical Science, Shiraz, Iran
- **2016- Current**, Counselor Epidemiologist at Health Policy Research Center, Shiraz University of Medical Science, Shiraz, Iran
- **2014-2016**, Scientific Director at Kerman population-based cancer registry (**Honored by university chancellor**)
- **2010-2016**, Researcher at research center for modeling in health, KMU

PROFESSIONAL AND OTHER MEMBERSHIPS

- Member of the Covid-19 Epidemiologic Committee, Fars, Iran
- Executive secretary of the first and second International Congress on Health for Peace
- Member of the International Congress on Health for Peace's scientific committee

- Volunteer rescuer, The Iranian Red Crescent, Iran

SKILLS

- Teaching epidemiology, biostatistics, research methodology, and scientific writing
- Designing and implementation of diseases registries
- External evaluation of Healthcare programs
- Designing and conducting epidemiological studies
- Team working
- Creativity
- Statistical data analysis using Stata and SPSS
- Data visualization
- Project management

MENTORS

- Prof. Kamran Bagheri-Lankarani, Email: kblankarani@yahoo.com
- Prof. AliAkbar Haghdooost, Email: ahaghdooost@gmail.com
- Prof. Jafar Hassanzadeh, Email: jafarabolhasan@yahoo.com
- Prof. Mohsen Janghorbani, Email: janghorbani@yahoo.com

Ongoing works

I am now working on the following project as a PI

- Investigating the pattern of drug utilization in Iran
- Designing and implementation of a Drug Interaction Clinical Decision Support System (CDSS)
- Designing a Traditional Persian Medicine evidence search service closure information resource

TEACHING EXPERIENCES

- Advanced research methodology for graduate students, more than 1500 hrs
- Epidemiological methods to graduate students, more than 300 hrs
- Application of epidemiology in health policy, more than 250 hrs
- Basic epidemiology for graduate students, more than 250 hrs
- Applied statistics for undergraduate students, more than 150 hrs
- Academic writing for graduate students, more than 100 hrs
- Research methods for undergraduate students, more than 50 hrs
- Using statistical software (SPSS and Stata) for graduate students, more than 100 hrs
- Social Epidemiology for graduate students, more than 50 hrs

ADMINISTRATION

- Associate Vice-Chancellor for Research Evaluation & Development, Shiraz university of medical sciences, Shiraz, Iran

- *Director of the MD-MPH dual degree program, SUMS, Iran*
- *Executive director of the International Congress on Health for Peace*
- *Education director of MD-MPH program at SUMS*
- *Project manager: External Evaluation of HTN Prevention and Controlling Program in Iran, WHO representative office IR. Iran*
- *Project manager: Modelling of Payments to General Practitioners in Private Sectors in Iran, Iranian National Medical Council*
- *Project manager at HPMRC, KMU*
- *Secretary of students' research committee, Kerman*

PREVIOUS RESEARCHES

- *Drug utilization, Iran*
- *Cancer research, completeness of case ascertainment*
- *Cancer research, familial history of cancer*
- *Cancer research, trend analysis using Joint point regression*
- *Cancer research, critical appraisal of GBD and GLOBOCAN estimates*
- *External evaluation of healthcare programs, HTN, Malaria, Diabetes, Nosocomial infections*
- *Designing a surveillance system for malaria*
- *Health-related quality of life assessment, type 2 diabetes*
- *Benchmarking, general practitioner remuneration methods in private sectors*
- *Designing KAP studies, Influenza, CVDs, HIV/AIDS*
- *Systematic review and meta-analysis, Poisoning, Organophosphates*
- *Situation analysis, NCDs risk factors, mortality, and burden of diseases*
- *Network scale-up, estimating cancer prevalence*
- *Assessment of catastrophic economic burden*
- *Risk scoring, Metabolic syndrome*
- *Multilevel analysis, diabetes*
- *Categorical principal component analysis, asset analysis, type 2 diabetes*
- *Missing data in survival analysis*

Previous Fields

- *Stockholders analysis*
- *Polypharmacy and drug utilization*
- *Cancer (Stomach, Esophagus, Breast, Lung, Colorectal, Liver, Ovarian, Cervix and Uterus, Bladder)*
- *Diabetes*

- *Vaccine effectiveness*
- *Chronic constipation*
- *Data cleaning methods*
- *Chemical poisoning*
- *Stroke and MI*
- *Retinopathy of prematurity*
- *Preterm birth and birth defects*
- *Obesity*
- *Nosocomial infections*
- *Malaria*
- *HTN*
- *HIV/AIDS*

FUTURE RESEARCH INTERESTS 1- *Analyzing Drug utilization data* 2- *Knowledge translation* 3- *Disease registration* 4- *Peace through Health*

5- *NCDs surveillance and primordial and primary prevention*

6- *Mass and medical education*

7- *Developing and adopting educational methods for academic teaching in the field of Public health and epidemiology in developing countries* 8- *Pattern recognition* 9- *Programming*

QUALIFICATIONS AND CERTIFICATES • *Teaching certificates*

○ *Advanced teaching methods for medical education, SUMS*

○ *Principals of the Leadership in medical education* ○

Teaching methods for medical education, KMU, 2015 ○

Evaluation methods for medical education, KMU, 2015

- **Administration certificates** ○ *Diseases registration management, Ministry of Health, 2013* ○ *Cancer registration management, IR. CRC, 2011* ○ *IT certificates* ○ *Windows Operator, Technical and professional organization, 1998*
- **Others** ○ *Creativity, SUMS* ○ *Economic Evaluation in Health, KMU* ○ *Scientific Writing, KMU* ○ *Statistical learning, KMU* ○ *Stata user, KMU*

- Questionnaire designing, KMU
- Time series analysis, SHUMS

PUBLICATIONS (UPDATE: 2018)

<https://scholar.google.com/citations?user=Rp02XPMAAAAJ&hl=en>

*means I am the corresponding author.

1. **Hossein Molavi Vardanjani**, AliAkbar Haghdoost, Maryam Hadipour. Re: "Weight Cycling and Cancer Incidence in a Large Prospective US Cohort". *American Journal of Epidemiology*, 2015, 182 (9), 821-822.
2. **Hossein Molavi Vardanjani**, Mohammad Reza Baneshi, AliAkbar Haghdoost. Cancer Visibility among Iranian Familial Networks: To What Extent Can We Rely on Family History Reports?. *PLOS ONE*, 2015,10 (8).
3. **Hossein Molavi Vardanjani**, Mohammad Reza Baneshi, AliAkbar Haghdoost. Total and Partial Prevalence of Cancer Across Kerman Province, Iran, in 2014, Using an Adapted Generalized Network ScaleUp Method. *Asian Pacific journal of cancer prevention: APJCP* 16 (13), 54935498.
4. AA Haghdoost, MR Baneshi, S Haji-Maghsoodi, **Hossein Molavi Vardanjani**. Application of a Network Scale-up Method to Estimate the Size of Population of Breast, Ovarian/Cervical, Prostate and Bladder Cancers. *Asian Pacific journal of cancer prevention: APJCP*, 2015, 16 (8), 3273-3277.
5. M Hosseini, N Sarrafzadegan, R Kelishadi, ..., **Hossein Molavi Vardanjani***. Population-based metabolic syndrome risk score and its determinants: The Isfahan Healthy Heart Program. *Journal of Research in Medical Sciences*, 2015. 19 (12).
6. AD Mohammad Ahmadi, Mahmood Moosazadeh, **Hossein Molavi Vardanjani**. Prevalence of obesity and overweight and their related factors among the adults of Mazandaran Province, Iran, in 2010. *Electronic Physician*, 2014, 6 (4), 955-961.
7. M Hadipour, F Abolhasani, **Hossein Molavi Vardanjani***, S Eybpoosh. Individual and Environmental determinants of Health Related Quality of Life in Iranian patients with type II diabetes. *ISMJ*, 2014, 16 (6), 428-435.
8. Z Hosseini Nejhad, **Hossein Molavi Vardanjani***, F Abolhasani, M Hadipour. Relative effect of socio-economic status on the healthrelated quality of life in type 2 diabetic patients in Iran. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, 2013, 7 (4), 187190
10. For More recent publications check my scholar profiles:

<https://scholar.google.com/citations?user=Rp02XPMAAAAJ&hl=en>

https://isid.research.ac.ir/Hossein_MolaviVardanjani

CONFERENCES

1. International Congress on Health for Peace, keynote speaker, 2020
2. 1st International Conference of Women's Health, **Keynote speaker**, 2016.
3. 15th Iranian Conference of Gastroenterology, Poster presentation, 2015

4. *7th Iranian Conference of Epidemiology, Poster presentation, 2013*
5. *4th International conference of students' research, Oral presentation, 2011, Honored Presentation*
6. *12th Iranian conference of students' research, Poster presentation, 2011*
7. *6th Iranian conference of Epidemiology, Oral presentation 2010*
8. *6th Iranian conference of Epidemiology, poster presentation, 2010*

FUNDING and ACADEMIC AWARDS

- *Member of Iran's National Elites Foundation*
- *Fully funded PhD scholarship, SUMS, 2014- 2016*
- *Honored staff at KPBC, by KMU chancellor, 2015*
- *Pioneer student, 2007, MUI*

UPDATE: 27 Aug., 2021