

## SUMMARY

A highly skilled and experienced assistant professor with a strong background in public health, epidemiology, and spatial epidemiology. Proficient in utilizing R and STATA to facilitate data analysis and visualization. Seeking to leverage expertise in spatial data analysis, healthcare facility assessments, and community outreach to drive evidence-based changes in public health.

## EXPERIENCE

### School of Public Health, Dow University of Health Sciences, Karachi (PK) — Assistant Professor

Feb 2020 - PRESENT

- Developed and implemented creative curricula for public health courses.
- Taught undergraduate and postgraduate students in epidemiology, biostatistics, and research methodology.
- Mentored students and enhanced research quality by supervising and evaluating theses.

### Research and Training Wing, PPHI Sindh, Karachi (PK) — Deputy Director (Research)

Nov 2018 - Jan 2020

- Implemented various research projects in 22 districts of Sindh.
- Analyzed PPHI Sindh's database from DHIS for insightful analysis.
- Established PPHI Sindh's IRB committee, ensuring ethical research practices.

### Department of Epidemiology and Biostatistics, School of Public Health, Tehran University of Medical Sciences, Tehran (IR) — Teaching Assistant

Apr 2014 - SEP 2017

- Supervised Community Assessment program for MPH students.
- Facilitated MPH students in Research Methodology & Epidemiology courses.
- Conducted SPSS, STATA & R workshops for PhD candidates.

### Non-Communicable Diseases Research Center, Tehran University of Medical Sciences, Tehran (IR) — Research Assistant

May 2013 - Dec 2014

- Worked with PIs to coordinate quantitative research on maternal & child health issues.
- Participated in developing and published study protocol for national & sub-national burden of maternal conditions in Iran.

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## Department of Community Health Sciences, Ziauddin University, Karachi (PK) — Lecturer

Feb 2008 – SEP 2012

- Facilitated courses on Biostatistics and Epidemiology to medical students.
- Conducted Problem – Based learning (PBL), small group sessions and lectures.
- Supervised research projects of third- and fourth-year medical students.
- Conducted SPSS Workshop for medical students.

## EDUCATION

### Tehran University of Medical Sciences, Tehran (IR) – *Ph.D. Epidemiology*

Oct 2012 – Sep 2018

**Thesis Title:** Application of Geographically Weighted Analysis to Determine Association Between Socio-economics Status and Childhood Morbidity in East Africa.

**Overall GPA:** 18.68/20

**Awards:** Diamond Merit-Based tuition waiver scholarship.

### Ziauddin University, Karachi (PK) – *MBBS (MD-equivalent)*

Nov 2000 – Apr 2006

## SKILLS

- R/RStudio, SPSS, STATA, DAGitty, ArcGIS, QGIS & EndNote.
- Skilled in scientific writing, data analysis, and visualization.
- Experienced in teaching, curriculum development, and student mentorship.
- Adept at conducting community assessments and spatial epidemiological analyses.

## PUBLICATIONS

- Lodhi FS, Rabbani U, Khan AA, **Raza O**, Holakouie-Naieni K, Yaseri M, Farooq U, Montazeri A. Factors associated with quality of life among joint and nuclear families: a population-based study. BMC Public Health. 2021 Dec;21(1):1-2.
- Balikuddembe JK, Ardalan A, Stephen KM, **Raza O**, Khorasani-Zavareh D. Risk factors associated with road traffic injuries at the prone-areas in Kampala city: a retrospective cross-sectional study. Journal of injury and violence research. 2021 Jan;13(1):13.
- **Raza O**, Mansournia MA, Foroushani AR, Holakouie-Naieni K. Exploring spatial dependencies in the prevalence of childhood diarrhea in Mozambique using global and local measures of spatial autocorrelation. Medical Journal of the Islamic Republic of Iran. 2020;34:59.
- **Raza O**, Mansournia MA, Foroushani AR, Holakouie-Naieni K. Geographically Weighted Regression Analysis: A Statistical Method to Account for Spatial Heterogeneity. Archives of Iranian Medicine (AIM). 2019;22(3).
- Memon J, Holakouie-Naieni K, Majdzadeh R, Yekaninejad MS, Garmaroudi G, **Raza O**, et al. Knowledge, attitude, and practice among mothers about newborn care in Sindh, Pakistan. BMC pregnancy and childbirth. 2019;19(1):329.
- Lodhi FS, Khan AA, **Raza O**, Zaman TU, Farooq U, Holakouie-Naieni K. Level of satisfaction and its predictors among joint and nuclear family systems in District Abbottabad, Pakistan. Medical journal of the Islamic Republic of Iran. 2019;33:59.
- **Raza O**, Lodhi FS, Morasae EK, Majdzadeh R. Differential achievements in childhood immunization across geographical regions of Pakistan: analysis of wealth-related inequality. International journal for equity in health. 2018;17(1):122.
- Holakouie-Naieni K, **Owais R**, Nematollahi S, Mensah LE, Memon J, Mhajabin S. Knowledge, Attitude, Practice of Dengue Fever and Its Related Factors among International Students at Tehran University of Medical Sciences. Iranian journal of public health. 2018;47(11):1777-9.
- Abdullahi KO, Holakouie-Naieni K, FOROUSHANI AR, Ahmadnezhad E, **Raza O**, Nematollahi S. Knowledge, Attitude, and Practice Regarding Ebola Virus Disease and Related Factors among International Students of

- Tehran University of Medical Sciences, 2015. Iranian journal of public health. 2018;47(5):775.
- Rahaman K, Majdzadeh R, Naieni K, **Raza O**. Comorbidities and care practices of diabetic patients. Austin J Public Health Epidemiol. 2017;4(2):1059.
  - Lodhi FS, **Raza O**, Montazeri A, Nedjat S, Yaseri M, Holakouie-Naieni K. Psychometric properties of the Urdu version of the World Health Organization's quality of life questionnaire (WHOQOL-BREF). Medical journal of the Islamic Republic of Iran. 2017;31:129.
  - Khazaei S, Rezaeian S, Baigi V, Saatchi M, Molaeipoor L, Khazaei Z, et al. Incidence and pattern of tuberculosis treatment success rates in different levels of the human development index: a global perspective. Southern African Journal of Infectious Diseases. 2017;32(3):100-4.
  - Kh. Shafiur Rahaman RM, Kourosh Holakouie Naieni, **Raza O**. Knowledge, Attitude and Practices (KAP) Regarding Chronic Complications of Diabetes among Patients with Type 2 Diabetes. Int J Endocrinol Metab. 2017.
  - Balikuddembe JK, Ardalan A, Khorasani-Zavareh D, Nejati A, **Raza O**. Weaknesses and capacities affecting the Prehospital emergency care for victims of road traffic incidents in the greater Kampala metropolitan area: a cross-sectional study. BMC emergency medicine. 2017;17(1):29.
  - Safiri S, Haghdoost AA, Hashemi F, Amiri S, **Raza O**, Sadeghi-Bazargani H. Association between adult attention deficit hyperactivity disorder and helmet use among motorcycle riders. Trauma monthly. 2016;21(2).
  - Holakouie-Naieni K, Ahmadvand A, **Owais R**, Assan A, Elduma AH, Jammeh A, et al. Assessing the knowledge, attitudes, and practices of students regarding ebola virus disease outbreak. Iranian journal of public health. 2015;44(12):1670.
  - Shayesteh Hajizadeh, Maziar Moradi-Lakeh, Alireza Khajavi, Farahnaz Farzadfar, Elham Zandian, **Owais Raza**, Farshad Farzadfar. The Trend of National and Subnational Burden of Maternal Conditions in Iran from 1990 to 2013: The Study Protocol. Archives of Iranian Medicine. 2014;17(3):198-203.
  - Shoaib B, Ali M, Danish SH, **Raza O**. Human Immunodeficiency Virus, Hepatitis B and C: Barbers knowledge and their Practices. Infectious Diseases Journal of Pakistan. 2012;40(17):628

## INVITED TALK:

- May 2023 - 1st Family Medicine Research Day: **Fifty Shades of Medical Research** hosted by Department of Family medicine, Indus Hospital and Health Network.
- Jan 2023 - Quality of Human Resources in Health: **Public Health & Research & Development (R&D) Context** hosted by Ziauddin University.
- Aug 2022 - Moderated Talk for **Ex-Faculty Talk Series: Dr Amir Omair (Ex-faculty member of Department of Community Health Sciences, Ziauddin University)** hosted by Ziauddin University.
- Dec 2021 - Moderated session at **International Conference on SDGs: Moving Towards Population Health & Wellbeing**, organized by Dow University of Health Sciences.
- Dec 2021 - Scientific Session on Research, Education and The Way Forward: **The Good, The Bad & The Ugly of Medical Research** hosted by Ziauddin University.
- May 2020 - COVID Session # 7: **Public Health, Epidemiology & Clinical Research** hosted online by Ziauddin Alumni Association.

## VERIFIED PEER-REVIEWS: (<https://www.webofscience.com/wos/author/record/G0E-6031-2022>)

- PLOS Global Public Health
- International Journal for Equity in Health
- BMC Public Health
- BMJ Open
- Heliyon
- Journal of Current Ophthalmology
- Midwifery