

VINOD JOSEPH K J

Department of Statistical Sciences

University of Bologna, Via Belle Arti 41, Bologna, Italy

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EDUCATION

- 2022 - Present
- University of Bologna, Bologna, Italy**
Max Planck Institute for Demographic Research, Rostock, Germany
PhD in Statistics
Thesis title: Assessing the impact of climate change on demographic behavior
- 2019 - 2020
- International Institute for Population Sciences, Mumbai, India**
MPhil Biostatistics and Demography
Thesis title: Environmental Impacts on Child Health Outcomes in India
- 2017 - 2019
- International Institute for Population Sciences, Mumbai, India**
MSc Biostatistics and Demography
Thesis title: Adolescent Pregnancy in India: A Study on Determinants, Health Consequences and Spatial Distribution
- 2014 - 2017
- Sacred Heart College, Kochi, India**
BSc Computer Application-Triple Main (Computer Science, Statistics and Mathematics)

PROFESSIONAL EXPERIENCE

- 09/2020 – 10/2022
- International Institute for Population Sciences, Mumbai**
Research Fellow
Project title: Environmental Exposures and Their Effects on Child Health and Mortality in South Asia
- 04/2022 - 07/2022
- Dedicated Commission for Backward Classes in Maharashtra, Government of Maharashtra, Mumbai**
Consultant (Part-time)
- 02/2022 - 03/2022
- Centre for Economic Data and Analysis, Ashoka University, New Delhi**
Consultant (Part-time)
- 03/2020 - 06/2020
- Population Council, New Delhi**
Research Intern
Project title: Quality of Care in Sterilization Services at the Public Health Facilities in India

- 06/2018 - 07/2018 **National Institute of Medical Statistics- Indian Council for Medical Research (NIMS-ICMR), New Delhi**
Research Intern
Project title: Measles Vaccination Coverage among the Children of North Eastern States, India
- 04/2018 - 06/2018 **Ministry of Women and Child Development, Government of India, New Delhi**
Research Intern
Project title: Violence Against Women in India

ACADEMIC ACHIEVEMENTS

- 2020 - 2022 Union Grants Commission Maulana Azad National Fellowship
- 2020 Population Council and USAID- Research and Analyses for Scientific Transformation and Advancement (RASTA) fellowship
- 2019 - 2020 Government of India fellowship for pursuing MPhil at IIPS, Mumbai
- 2018 & 2019 University Grants Commission UGC-NET qualification for assistant professorship
- 2018 Ministry of Women and Child Development internship grant
- 2017 - 2019 Government of India fellowship for pursuing MSc at IIPS, Mumbai

PUBLICATIONS

JOURNAL ARTICLES

- 2022 Zanwar, P., Arokiasamy, P., Zazdravnykh, E., **Vinod Joseph K J**, et al. Examining the Impact of COVID-19 Mitigation Policies on Health Outcomes of Older Adults: Lessons Learned from Six High-Income or Middle-Income Countries. *Public Policy & Aging Report*, prac023, <https://doi.org/10.1093/ppar/prac023>
- 2021 Hossain, B., Yadav, P.K., Nagargoje, V.P. and **Vinod Joseph K J**. Association between physical limitations and depressive symptoms among Indian elderly: marital status as a moderator. *BMC Psychiatry* 21, 573 (2021). <https://doi.org/10.1186/s12888-021-03587-3>
- 2021 Srivastava S, **Vinod Joseph K J**, Dristhi D, Muhammad T. Interaction of physical activity on the association of obesity-related measures with multi-morbidity among older adults: a population-based cross-sectional study in India. *BMJ Open*. 11(5): e050245. doi:10.1136/bmjopen-2021-050245
- 2021 **Vinod Joseph K J** (2021). Understanding inequalities in child immunization in India: a decomposition approach. *Journal of Biosocial Science*. 1-13. doi:10.1017/S0021932021000110

- 2020 **Vinod Joseph K J**, Mozumdar, A., Lhungdim, H., and Acharya, R. (2020). Quality of care in sterilization services at the public health facilities in India: A multilevel analysis. *PLOS ONE*, 15(11), e0241499. doi:10.1371/journal.pone.0241499
- 2019 Singh, K. J., **Vinod Joseph K J**, Gautam, S., Sharma, S., and Yadav, J. (2019). Measles Vaccination Coverage in Northeastern States, India: Inequality and Spatial Distribution Perspective. *International Journal of Medical and Health Research*, 5(8), 137-146.

BOOK CHAPTERS

- 2022 Manikandan A.D, and **Vinod Joseph K J**, (2022). Human Health Effects of Desertification in Sub Saharan Africa: A Systematic Review. in C. Odimegwu. (Ed.). *Handbook of African Demography*. London : Routledge. <https://doi.org/10.4324/9780429287213>
- 2022 **Vinod Joseph K J**, and Lhungdim, H. (2023). Air Pollution, Groundwater Quality and Child Health Outcomes in India: A Geospatial Analysis. in Mohapatra, S. (Ed.). *Geographies of Health, Health Care and Wellbeing*. Berlin: Springer. (Accepted)

MANUSCRIPTS UNDER REVIEW/ IN PREPARATION

- 2022 Srivastava, S., **Vinod Joseph K J** and Muhammad, T. (2023). Depression and cognitive impairment associated with spousal death among older women: Does widowhood duration matter? *The Gerontologist*. (Under review)
- 2022 **Vinod Joseph K J**, and Lhungdim, H. (2023). Environmental and Socio-demographic Determinants of Under-5 Mortality in India: A Survival Analysis on Indian Demographic and Health Survey Data. (In preparation)

CONFERENCES

ORAL PRESENTATIONS

- 2022 *Environmental Exposures and their Impacts on Child Health in India*. Presented at the Applied Demography Conference- Population Association of America (PAA) (Virtual), February 2021
- 2021 *Quality of Maternal Health Care at the Public Health Facilities in India: Does Clients Background and Structural Attributes in Facilities Matter?* Presented at International Union for the Scientific Study of Population- International Population Conference (IUSSP-IPC), Hyderabad, India (Virtual), December 2021
- 2021 *Environmental and socio-demographic determinants of under-5 mortality in India: A survival analysis on Indian DHS data*. Presented at International Union for the Scientific Study of Population- International Population Conference (IUSSP-IPC), India (Virtual), December 2021

- 2021 *Adolescent Pregnancies and Their Impacts on Maternal Health in India.* at 42nd annual conference of Indian Association for the Study of Population IASP, New Delhi, India (Virtual), November 2021
- 2021 *Air Pollution, Groundwater Quality and Child Health Outcomes in India: A Geospatial Analysis.* Presented at the 3rd International Conference on Population and Development of Asian Developing Countries, Nanjing, China (Virtual), June 2021
- 2021 *Quality of Maternal Health Care at the Public Health Facilities in India: Does Clients Background and Structural Attributes in Facilities Matter?* Presented at the 3rd International Conference on Population and Development of Asian Developing Countries, Nanjing, China (Virtual), June 2021
- 2021 *Environmental and Socio-demographic Determinants of Under-5 Mortality in India: A Survival Analysis on Indian Demographic and Health Survey Data.* Presented at the Annual Meeting of the Population Association of America (PAA), St. Louis, USA (Virtual), May 2021
- 2020 *Decomposing Socio-economic inequalities in Full Immunization Coverage in India: Evidences from National Family Health Survey-4.* Presented at the eighth annual conference of the Indian Health Economics and Policy Association (IHEPA) at National Institute of Science Education and Research (NISER), Bhubaneswar, India, January 2020.
- 2019 *Measles Vaccination Coverage among the Children of North-Eastern States, India: A Spatial and Decomposition Analysis.* Presented at the seventh annual conference of the Indian Health Economics and Policy Association (IHEPA) at Gulati Institute of Finance and Taxation (GIFT), Thiruvananthapuram, India, January 2019

POSTERS

- 2021 *Environmental and socio-demographic factors and their association with child health outcomes in India* at 42nd annual conference of Indian Association for the Study of Population IASP, New Delhi, India (Virtual), November 2021
- 2021 *Understanding the Inequalities in Full Immunization Coverage in India: A Decomposition Approach.* Presented at the 5th Asian Population Association Conference (APA), Yogyakarta, Indonesia (Virtual), August 2021
- 2021 *Socio-Demographic and Proximate Determinants of Adolescent Pregnancies in India.* Presented at the 5th Asian Population Association Conference (APA), Yogyakarta, Indonesia (Virtual), August 2021
- 2021 *Quality of care in sterilization services at the public health facilities in India: A multilevel analysis.* Presented at the Annual Meeting of the Population Association of America (PAA), St. Louis, USA (Virtual), May 2021.

- 2019 *Decadal Variations of Adolescent Pregnancy in India: An Analysis on Proximate Determinants*. Presented at the seventeenth annual conference of the Indian Association for Social Sciences and Health (IASSH) at Indian Institute of Technology (IIT), Mandi, India, December 2019.

WORKSHOPS ATTENDED

- 2022 *Advanced Methods for Causal Inference*, organized by the International Advanced Studies in Demography Research Training Program and the International Max Planck Research School for Population, Health and Data Science, Max Planck Institute for Demographic Research, Rostock, Germany (Virtual) July 2022.
- 2022 *Annual Workshop on Formal Demography*, organized by the Berkeley Population Centre, University of California, Berkeley (Virtual), June 2022
- 2021 *Introduction to Human mortality database*, organized by Max Planck Institute for Demographic Research, Rostock, Germany, and International Institute for Population Sciences, Mumbai, India (Virtual), September 2021.
- 2021 *Analytical Techniques for Statistical Analysis in Mental Health*, organized by All India Institute of Medical Sciences (AIIMS), New Delhi, India (Virtual), July 2021
- 2021 *Data Visualization - the Art/Skill Cocktail*, organized by the International Advanced Studies in Demography Research Training Program and the International Max Planck Research School for Population, Health and Data Science, Max Planck Institute for Demographic Research, Rostock, Germany (Virtual), June 2021.
- 2021 *Introduction to R: Demographic and Spatial Analysis*, organized by the International Institute for Population Sciences, Mumbai, India, Max Planck Institute for Demographic Research, Rostock, Germany and Federal Institute for Population Research, Wiesbaden, Germany (Virtual), April 2021.
- 2020 *Topics in Digital and Computational Demography*, organized by the International Advanced Studies in Demography Research Training Program and the International Max Planck Research School for Population, Health and Data Science, Max Planck Institute for Demographic Research, Rostock, Germany (Virtual), November 2020.
- 2020 *13th Annual Short Course in Clinical Research Methodology*, organized by the Clinical Research Secretariat and Department of Atomic Energy - Clinical Trials Centre, Tata Memorial Centre, Mumbai, India (Virtual), September 2020.
- 2020 *Data Analysis and Statistical Computing* organized by the Institute of Social Sciences, Dr Bhimrao Ambedkar University, Agra, India (Virtual), May 2020.
- 2020 *Designing Clinical Trials and Value Propositions*, organized by the International Institute for Population Sciences, Mumbai, India, February 2020.

2019 *Developing Capacities for Reference and Research: DELNET Discovery Services, Plagiarism and Academic Integrity and Digital Reference Management Tools*, organized by the International Institute for Population Sciences, Mumbai, India, October 2019.

PROFESSIONAL AFFILIATIONS AND SERVICES

Memberships: International Union for the Scientific Study of Population (IUSSP)
Asian Population Association (APA),
Population-Environment Research Network (PERN),
Formal Demography Working Group

Fellow: The Lancet Citizens' Commission on Reimagining India's Health System

Volunteer: International Union for the Scientific Study of Population (IUSSP)

Journal review: PLOS ONE

PROGRAMMING AND TECHNICAL SKILLS

Statistical Software's: Stata, SPSS, SAS, R

Programming Languages: C, C++, Java, Visual Basic, SQL

Other Skills: Microsoft Office suite, CSPro, MLwiN, ArcGIS, GeoDa, Mendeley, EndNote

LANGUAGE PROFICIENCY

Advanced: English, Malayalam, Hindi

Last updated: January 19, 2023