

CURRICULUM VITAE

KAUSHALENDRA KUMAR

CONTACT INFORMATION

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PRESENT POSITION

Assistant Professor, Department of Public Health & Mortality Studies, **International Institute for Population Sciences**, September 2015 – Present.

PAST POSITION

WHO Study on Global AGEing and Adult Health (SAGE), International Institute for Population Sciences, Research Officer, September 2010 to May 2011.

CONSULTING RESEARCH COLLABORATION

Global Burden of Diseases Study (GBD) Collaborator – 2013, IHME, University of Washington, Seattle, USA, Collaborator and Expert from India.

Norway-India Partnership Initiative (NIPI), scientific articles writing project, January to March 2018.

RESEARCH GRANTS

Gender Equity and Demographic Research (GENDER) project at International Institute for Population Sciences, India, Co-Principal Investigator, funded by The Bill and Melinda Gates Foundation, USA, November 2022 – Continuing (<https://iipsindia.ac.in/content/gender-project>)

To study Nutritional status of children under age five (05) and functioning and utilization of ICDS in the Union Territory of Ladakh in India, Co-Principal Investigator, funded by UT of Ladakh, India, June 2021 to November 2022.

Gender Health and Equity (GEH) project at International Institute for Population Sciences, India, Co-Principal Investigator, funded by The Bill and Melinda Gates Foundation, USA, November 2017 to October 2022 (<https://iipsindia.ac.in/content/gender-project>)

Family Health and Wealth Study (FHWS) at International Institute for Population Sciences, India, Co-Principal Investigator, funded by **Johns Hopkins School of Public Health, USA**, **October 2015 – August 2016**

EDUCATION

PhD, Population Studies, dissertation title “*Effects of Health on Human Capital Formation, Income, and Economic Growth in India*” International Institute for Population Sciences (IIPS), Mumbai, India, April 2016

MA, Economics (Econometrics as specialization), Banaras Hindu University, Varanasi, India, June 2007

Master of Population Studies (MPS), International Institute for Population Sciences (IIPS), Mumbai, India, May 2010

Master of Risk and Insurance Management (MRIM), Banaras Hindu University, Varanasi, India 2009

RESEARCH INTERESTS

Determinants morbidity and mortality

Sub-national Level Mortality Estimation

Survey Design and Data Quality

Demography of Gender

Health Expenditure and Financing

Population Health and Development

FELLOWSHIP & AWARDS

Government of India Fellowship to pursue Master of Population Studies (MPS) at International Institute for population Sciences, 2009 to 2010

University Grant Commission (UGC) - Junior Research Fellowship (JRF) to pursue PhD at International Institute for population Sciences, 2011 to 2015

TEACHING

- Measures of Morbidity & Mortality, Burden of disease
- Concepts and Measures of Global Health
- Micro and Macro Economic - Demography

- Research Methodology
- Large scale sample survey
- Health Economics

RESEARCH GUIDANCE

- PhD: Three students' degree awarded and One student submitted thesis
- MPhil: 13 students' degree awarded
- Masters: 39 students' degree awarded

PEER-REVIEWED ARTICLES

- 1) Abhishek Singh, **Kaushalendra Kumar**, Lotus McDougal, Praveen K Chokhandre, Ajeet Kumar Singh, Ashish Kumar Upadhyay, K. S. James & Anita Raj. (2025) Patriarchy, Fertility and Excess Female Child Mortality in India. *Spatial Demography*, 13. <https://doi.org/10.1007/s40980-024-00133-z>
- 2) Sarang Pradipkumar Pedgaonkar, **Kaushalendra Kumar**, Wahengbam Bigyananda Meitei, Shubham Kumar, Ashish Kumar Upadhyay, Jürgen Maurer, Abhishek Singh. (2025). Clustering of hypertension and clustering of diabetes within households across districts of India: A cross-sectional analysis using a nationally representative household survey. **PLOS Global Public Health**, 5(6): e0004648. <https://doi.org/10.1371/journal.pgph.0004648>
- 3) Swati Srivastava, **Kaushalendra Kumar**, Lotus McDougal, Ashish Kumar Upadhyay, Katherine Hay, Abhishek Singh. (2025). Mapping women's work in India: An application of small area estimation. **PLOS ONE**, 20(2): e0317783. <https://doi.org/10.1371/journal.pone.0317783>
- 4) Joemet Jose, Ajit Kumar Kannaujiya, **Kaushalendra Kumar**, Lotus McDougal, Katherine Hay, Abhishek Singh. (2025). Post-abortion contraceptive use among currently married women in India: New evidence from National Family Health Survey 2019–2021 (NFHS-5). **PLOS ONE**, 20(5): e0322784. <https://doi.org/10.1371/journal.pone.0322784>
- 5) Kompal Sinha, Yuanyuan Gu, Juanita Haagsma, **Kaushalendra Kumar**, Mona Aghdaee. (2024). Protocol for a longitudinal study examining the trajectory of COVID-19, post-COVID, multidimensional disadvantage and health-related quality of life in India: the India QoI Project. **BMJ Open**, 14(7), e080985. <https://doi.org/10.1136/bmjopen-2023-080985>
- 6) **Kaushalendra Kumar**, Abhishek Singh, and Amy Tsui. (2022). Measuring contraceptive use in India: Implications of recent fieldwork design and implementation of the National Family Health Survey. **Demographic Research**, 47(4), 73-110. <https://www.demographic-research.org/volumes/vol47/4/>

- 7) Swati Srivastava, **Kaushalendra Kumar**, Lotus McDougal, Ajit Kumar Kannaujiya, Ankit Sikarwar, Anita Raj, and Abhishek Singh. (2023). Spatial heterogeneity in intimate partner violence across the 640 districts of India: a secondary analysis of a cross-sectional, population-based survey by use of model-based small-area estimation. **The Lancet Global Health**, 11(10), e1587-e1597. [https://doi.org/10.1016/S2214-109X\(23\)00377-7](https://doi.org/10.1016/S2214-109X(23)00377-7)
- 8) Ajit Kumar Kannaujiya, **Kaushalendra Kumar**, Lotus McDougal, Ashish Kumar Upadhyay, Anita Raj, K S James, Abhishek Singh. (2023). Interpregnancy Interval and Child Health Outcomes in India: Evidence from Three Recent Rounds of National Family Health Survey. **Maternal and Child Health Journal**, 27, 126–141. <https://doi.org/10.1007/s10995-022-03559-3>
- 9) Soumya Pal, Abhishek Singh, and **Kaushalendra Kumar**. (2022). Inequality in length of life in India: an empirical analysis. **Journal of Population Research**, 39(3), 315-340. <https://doi.org/10.1007/s12546-022-09284-6>
- 10) Santosh Kumar, **Kaushalendra Kumar**, Ramanan Laxminarayan, and Arindam Nandi. (2022). Birth Weight and Cognitive Development during Childhood: Evidence from India. **Economic Papers**, 41, 155-175. <https://doi.org/10.1111/1759-3441.12335>
- 11) Abhishek Singh, **Kaushalendra Kumar**, Fred Arnold. (2022). How interviewers affect responses to sensitive questions on the justification for wife beating, the refusal to have conjugal sex, and domestic violence in India. **Studies in Family Planning**, 00, 1– 21. <https://doi.org/10.1111/sifp.12193>
- 12) Ashish Kumar Upadhyay, **Kaushalendra Kumar**, K S James, Lotus McDougal, Anita Raj, Abhishek Singh. (2022). Association between Intimate Partner Violence and Contraceptive Use Discontinuation in India. **Studies in Family Planning**, 2022, 53(1), 5–21. <https://doi.org/10.1111/sifp.12184>
- 13) Abhishek Singh, Sabu S. Padmadas, **Kaushalendra Kumar**, Ashish Kumar Upadhyay, Ashish Singh, Fiifi Amoako Johnson. (2022). Spatial heterogeneity in son preference across India's 640 districts: An application of small-area estimation. **Demographic Research**, 47(26), 793-842. <https://www.demographic-research.org/volumes/vol47/26/>
- 14) Ajit Kumar Kannaujiya, **Kaushalendra Kumar**, Ashish Kumar Upadhyay, Lotus McDougal, Anita Raj, K. S. James, Abhishek Singh. (2022). Effect of preterm birth on early neonatal, late neonatal, and postneonatal mortality in India. **PLOS Global Public Health**, 2(6), e0000205. <https://doi.org/10.1371/journal.pgph.0000205>
- 15) Abhishek Singh, Praveen Chokhandre, Ajeet K. Singh, Kathryn M. Barker, **Kaushalendra Kumar**, Lotus McDougal, K. S. James, Anita Raj. (2022). Development of the India Patriarchy Index: Validation and Testing of Temporal and Spatial Patterning. **Social Indicators Research**, 159, 351–377. <https://doi.org/10.1007/s11205-021-02752-1>
- 16) Lotus McDougal, Abhishek Singh, **Kaushalendra Kumar**, Nabamallika Dehingia, Aluisio J. D. Barros, Fernanda Ewerling, Yamini Atmavilas, Anita Raj. (2021). Planning for Work: Exploring the Relationship between Contraceptive Use and Women's Sector-Specific

- 17) Abhishek Singh, **Kaushalendra Kumar**, Ajit Kumar Yadav, K. S. James, Lotus McDougal, Yamini Atmavilas, Anita Raj. (2021). Factors Influencing the Sex Ratio at Birth in India: A New Analysis Based on Births Occurring between 2005 and 2016. **Studies in Family Planning**, 52, 41-58. <https://doi.org/10.1111/sifp.12147>
- 18) **Kaushalendra Kumar**, Abhishek Singh, K. S. James, Lotus McDougal, Anita Raj. (2020). Gender bias in hospitalization financing from borrowings, selling of assets, contribution from relatives or friends in India. **Social Science & Medicine**, 260, 113222. <https://doi.org/10.1016/j.socscimed.2020.113222>
- 19) Ajit Kumar Kannaujiya, **Kaushalendra Kumar**, Ashish Kumar Upadhyay, Lotus McDougal, Anita Raj, Abhishek Singh. (2020). Short interpregnancy interval and low birth weight births in India: Evidence from National Family Health Survey 2015-16. **SSM - Population Health**, 12, 100700. <https://doi.org/10.1016/j.ssmph.2020.100700>
- 20) Milan Das, **Kaushalendra Kumar**, Junaid Khan. (2020). Does remittance protect the household from catastrophic health expenditure in India. **International Journal of Migration, Health and Social Care**. 16(4), 481-493. <https://doi.org/10.1108/IJMHSC-03-2020-0023>
- 21) Priyanka Patel, **Kaushalendra Kumar**, Mayank Singh, Ajit Kumar Yadav. (2020). Sex Differentials in under Five Mortality in India in Last Two Decades: Evidence from Pulled NFHS Data. **Children and Youth Services Review**, 118, 105286. <https://doi.org/10.1016/j.childyouth.2020.105286>
- 22) Abhishek Singh, **Kaushalendra Kumar**, Ashish Singh. (2019). What Explains the Decline in Neonatal Mortality in India in the Last Three Decades? Evidence from Three Rounds of NFHS Surveys. **Studies in Family Planning**, 50(4), 337-55. <https://doi.org/10.1111/sifp.12105>
- 23) Sunita Patel, Faujdar Ram, Surendra Kumar Patel, and **Kaushalendra Kumar**. (2020). Cardiovascular diseases and health care expenditure (HCE) of inpatient and outpatient: A study from India Human Development Survey. **Clinical Epidemiology and Global Health**, 8(3), 671-677. <https://doi.org/10.1016/j.cegh.2019.12.024>
- 24) Anita Raj, Nicole E. Johns, Lotus McDougal, Amruta Trivedi, Prashant Bharadwaj, Jay G. Silverman, **Kaushalendra Kumar**, Laishram Ladusingh, Abhishek Singh. (2019). Associations Between Sex Composition of Older Siblings and Infant Mortality in India from 1992 to 2016. **EClinicalMedicine**, 14, 14-22. <https://doi.org/10.1016/j.eclinm.2019.08.016>
- 25) Rahul Bawankule, Sadanand Shetye, Ashish Singh, Abhishek Singh, **Kaushalendra Kumar**. (2019). Epidemiological investigation and management of bloody diarrhea among children in India. **PLOS ONE**, 14(9): e0222208. <https://doi.org/10.1371/journal.pone.0222208>
- 26) Rahul Bawankule, Abhishek Singh, **Kaushalendra Kumar**, Sarang Pedgaonkar. (2019). Oral problems and associated risk indicators in adults in the Russian Federation, India, and China. **BMC Oral Health**, 19(1), 114. <https://doi.org/10.1186/s12903-019-0811-8>

- 27) Abhishek Singh, **Kaushalendra Kumar**, Lotus McDougal, Jay G. Silverman, Yamini Atmavilas, Raksha Gupta, Anita Raj. (2019). Does owning a bank account improve reproductive and maternal health services utilization and behavior in India? Evidence from the National Family Health Survey 2015–16. **SSM - Population Health**, 7. <https://dx.doi.org/10.1016%2Fj.ssmph.2019.100396>
- 28) Sunita Patel, Faujdar Ram, Surendra Kumar Patel, **Kaushalendra Kumar**. (2019). Association of behavioral risk factors with self-reported and symptom or measured chronic diseases among adult population (18–69 years) in India: evidence from SAGE study. **BMC Public Health**, 19, 560. <https://doi.org/10.1186/s12889-019-6953-4>
- 29) **Kaushalendra Kumar**, Santosh Kumar, Ashish Singh, Faujdar Ram, Abhishek Sing. (2019). Heterogeneity in the Effect of Mid-Childhood Height and Weight Gain on Human Capital at Age 14-15 Years: Evidence from Ethiopia, India, Peru, and Vietnam. **PLOS ONE**, 14 (2019), e0212783. <https://doi.org/10.1371/journal.pone.0212783>
- 30) **Kaushalendra Kumar**, Ankita Shukla, Abhishek Singh, Faujdar Ram, Paul R. Kowal. (2016). Association between wealth and health among older adults in rural China and India', **Journal of the Economics of Ageing**, 7, 43-52. <http://dx.doi.org/10.1016/j.jeoa.2016.02.002>
- 31) **Kaushalendra Kumar**, Santosh Kumar, Anil Kumar Singh. (2018). Prevalence and Socio-Demographic Correlates of Alcohol Consumption: Survey Findings from Five States in India', **Drug & Alcohol Dependence**, 185, 381-90. <https://doi.org/10.1016/j.drugalcdep.2017.12.024>
- 32) **Kaushalendra Kumar**, Ashish Singh, Santosh Kumar, Faujdar Ram, Abhishek Singh, Usha Ram, Joel Negin, Paul R. Kowal. (2015). Socio-Economic Differentials in Impoverishment Effects of out-of-Pocket Health Expenditure in China and India: Evidence from WHO SAGE. **PLOS ONE**, 10, e0135051. <https://dx.doi.org/10.1371%2Fjournal.pone.0135051>
- 33) Abhishek Singh, **Kaushalendra Kumar**, Praveen Kumar Pathak, Rajesh Kumar Chauhan, Adrita Banerjee. (2017). Spatial Patterns and Determinants of Fertility in India. **Population**, 72(3), 505-526. <https://doi.org/10.3917/popu.1703.0525>
- 34) Abhishek Singh, Ashish Kumar Upadhyay, Ashish Singh, **Kaushalendra Kumar**. (2017). The Association between Unintended Births and Poor Child Development in India: Evidence from a Longitudinal Study. **Studies in Family Planning**, 48, 55-71. <https://doi.org/10.1111/sifp.12017>
- 35) Usha Ram, Prabhat Jha, Faujdar Ram, **Kaushalendra Kumar**, Shally Awasthi, Anita Shet, Joy Pader, Stella Nansukusa, Rajesh Kumar. (2013). Neonatal, 1-59 Month, and under-5 Mortality in 597 Indian Districts, 2001 to 2012: Estimates from National Demographic and Mortality Surveys. **The Lancet Global Health**, 1, e219-e26. [https://doi.org/10.1016/S2214-109X\(13\)70073-1](https://doi.org/10.1016/S2214-109X(13)70073-1)
- 36) Ankita Shukla, **Kaushalendra Kumar**, Abhishek Singh. (2014). Association between Obesity and Selected Morbidities: A Study of Brics Countries. **PLOS ONE**, 9, e94433. <https://doi.org/10.1371/journal.pone.0094433>

- 37) Abhishek Singh, Ankita Shukla, Faujdar Ram, **Kaushalendra Kumar**. (2017). Trends in Inequality in Length of Life in India: A Decomposition Analysis by Age and Causes of Death. **Genus**, 73, 5. <http://dx.doi.org/10.1186/s41118-017-0022-6>
- 38) Abhishek Singh, Ashish K Upadhyay, **Kaushalendra Kumar**. (2017). Birth Size, Stunting and Recovery from Stunting in Andhra Pradesh, India: Evidence from the Young Lives Study. **Maternal and Child Health Journal**, 21, 492-508. <http://dx.doi.org/10.1007/s10995-016-2132-8>
- 39) Ashish Singh, **Kaushalendra Kumar**, and Abhishek Singh. (2016). Trends in Inequality in Food Consumption and Calorie Intake in India: Evidence from the Last Three Decades, 1983–2012. **Social Indicators Research**, 128, 1319-46. <https://doi.org/10.1007/s11205-015-1081-8>
- 40) Ashish Singh, **Kaushalendra Kumar**, Abhishek Singh. (2015). Exclusion within the Excluded: The Economic Divide within Scheduled Castes and Scheduled Tribes. **Economic and Political Weekly**, 50(42), 32-37. <https://www.jstor.org/stable/44004068>
- 41) Ashish Singh, **Kaushalendra Kumar**, Abhishek Singh. (2015). The Changing Structure of Inequality in India, 1993-2010: Some Observations and Consequences. **Economics Bulletin**, 35(1), 590-603. <http://www.accessecon.com/Pubs/EB/2015/Volume35/EB-15-V35-I1-P63.pdf>
- 42) Usha Ram, Prabhat Jha, Patrick Gerland, Ryan J Hum, Peter Rodriguez, Wilson Suraweera, **Kaushalendra Kumar**, Rajesh Kumar, Rajesh Dikshit, Denis Xavier, Rajeev Gupta, Prakash C Gupta, Faujdar Ram. (2015). Age-specific and sex-specific adult mortality risk in India in 2014: analysis of 0.27 million nationally surveyed deaths and demographic estimates from 597 districts. **The Lancet Global Health**, 3, e768-e775. [https://doi.org/10.1016/S2214-109X\(15\)00091-1](https://doi.org/10.1016/S2214-109X(15)00091-1)
- 43) Rahul Bawankule, Abhishek Singh, **Kaushalendra Kumar**, Sadanand Shetye. (2017). Does Measles Vaccination Reduce the Risk of Acute Respiratory Infection (ARI) and Diarrhea in Children: A Multi-Country Study?. **PLOS ONE**, 12, e0169713. <https://doi.org/10.1371/journal.pone.0169713>
- 44) Rahul Bawankule, Abhishek Singh, **Kaushalendra Kumar**, Sarang Pedgaonkar (2017). Disposal of Children's Stools and Its Association with Childhood Diarrhea in India. **BMC Public Health**, 17,12. <https://doi.org/10.1186/s12889-016-3948-2>
- 45) Ashish Kumar Upadhyay, Abhishek Singh, **Kaushalendra Kumar**, Ashish Singh. (2015). Impact of Indoor Air Pollution from the Use of Solid Fuels on the Incidence of Life Threatening Respiratory Illnesses in Children in India. **BMC Public Health**, 15, 300. <https://doi.org/10.1186/s12889-015-1631-7>
- 46) Yadawendra Singh, **Kaushalendra Kumar**, Jatinder Singh. (2011). Does Morbidity among Elderly Increase Household Health Care Expenditure?. **Artha Vijnana**, LIII(2011), 4. <https://doi.org/10.21648/arthavij%2F2011%2Fv53%2Fi4%2F117544>

PROFESSIONAL AFFILIATIONS

- i. India Health Economic and Policy Association (IHEPA)
- ii. Asian Population Association (APA)
- iii. Population Association of America (PAA)
- iv. International Union for the Scientific Study of Population (IUSSP)

LARGE-SCALE DATA HANDLING

- i. National Family Health Survey (NFHS)
- ii. Longitudinal Ageing Study of India (LASI)
- iii. National Sample Survey (NSS)
- iv. District Level Household Survey (DLHS)
- v. Annual Health Survey (AHS)
- vi. WHO Study on Global AGEing and adult health (SAGE)
- vii. Young Lives Study (YLS)