

# Curriculum Vitae

## Dr. Gudakesh

Assistant Professor, Institute of Economic Growth, Delhi, India

Mobile: +91-8929280791

Email: [gudakesh@iegindia.org](mailto:gudakesh@iegindia.org); [gudakesh@yahoo.com](mailto:gudakesh@yahoo.com)

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## Current Affiliation

**Assistant Professor**, Wellcome Trust project, Institute of Economic Growth (June 2024- Present)

*Roles and responsibilities:* Evaluate the effectiveness Heat Action Plans, and Urban Health policies; Quantification of heat-related health outcomes; Cost estimates of heat-health impacts in the community and cost-effectiveness of interventions to reduce health risks; Survey Operations.

## Previous Experiences

1. **Assistant Professor**, Population Research Centre, Institute of Economic Growth (June 2021- June 2024)

*Roles and responsibilities:* Monitoring of National Health Mission; Conducting research on concurrent health issues for MoHFW; Training on statistical tools and survey to Government officials and researchers and field staff.

2. **Manager MIS** at World HealthPartners, Ahmadabad (February 2021- June 2021)

*Roles and responsibilities:* Developing MIS and data collection tools; formulate techniques for data management & quality data collection; analysis of data.

3. **Senior/ Junior Project Officer**, National Family Health Survey (NFHS)-5 at the Ministry of Health and Family Welfare, New Delhi (September 2018- January 2021)

*Roles and responsibilities:* Liaise between MoHFW, IIPS and Field Agencies; Reviewing reports and tabulation plan; Parliament Questions and media reports; Reviewing inputs from divisions of MoHFW, partner Ministries, NITI Aayog and UN Organizations for NFHS-6.

## Academic Qualifications

- **International Institute for Population Sciences, Mumbai**

PhD in Population Studies (2014-20) on "School meal programme, Household Food Security, and Nutritional Status of Children"

MPhil in Population Studies (2013-14) on "Does Disparity in Child Health and Nutrition is reducing in Uttar Pradesh?"

Masters in Population Studies (2012-13) on "Spatial Distribution of Immunization Coverage in Uttar Pradesh"

- **Banaras Hindu University**

Masters of Arts in Geography (2010-12)

Bachelor of Arts, Geography *Hons* (2006-2009)

**Research Interest:** Nutrition and food security, Heat and Health, Climate resilient Health System, Maternal & Child Health, Family Planning, Socio-economic inequalities in health

**Skills:** Quantitative Research, Teaching and training, Monitoring and evaluation, Data analysis, Proposal writing, Survey Operations; Organizing and conducting Conferences and workshops

**Statistical Tools:** Bivariate and Multivariate technique, Concentration index, Wagstaff and Fairlie decomposition, Difference in difference method, demographic estimation and projection, Propensity score matching, Discriminant Function analysis, etc.

**Technical Skills:** STATA, SPSS, R, CSPro, ArcGIS, GeoDa and Microsoft Office

**Data Handling:** NFHS, LASI, CNNS, AHS, DLHS, IHDS, NSSO, PLFS, CMIE, CENSUS.

## Published Research Papers

1. Malnutrition among Children in India: Exploring the Contribution of the Integrated Child Development Service Scheme. S. K. Singh, Gudakesh, Deepanjali Vishwakarma. *SN Social Sciences*, 49 (4), 1-19. <https://doi.org/10.1007/s43545-023-00811-7>
2. Gender-based Seasonal Wage Differentials in India: An Evidence from IHDS Data: Hanumant Baghmare and Gudakesh. *IER Journal of Health and Demography*, 9 (1), 37-51. [https://www.researchgate.net/publication/377577050\\_Gender-based\\_Seasonal\\_Wage\\_Differentials\\_in\\_India\\_An\\_Evidence\\_from\\_IHDS\\_Data](https://www.researchgate.net/publication/377577050_Gender-based_Seasonal_Wage_Differentials_in_India_An_Evidence_from_IHDS_Data)
3. Sex differences in Anaemia and its associated factors among Diabetes Mellitus in Southern Indian States: Neha Shri, Saurabh Singh, Deepanjali Vishwakarma, Santosh Kumar Sharma, Gudakesh, Mordhwaj Pratap Singh. *Demography India*, 52(1), 104-111. <https://iasp.ac.in/uploads/journal/007-1699015337.pdf>
4. Nutritional status of reproductive-aged women and children under the age of five in Nepal: Hanumant Baghmare, Santosh Sharma and Gudakesh. *Indian Journal of Social Work Education & Practice*, 1 (1), 61-82. <https://www.ronakpublication.com/uploads/articles/05-Nutritional-Status-of-Reproductive-Aged-Women.pdf>
5. Hypertension predisposing middle-aged Indians to heart diseases: Insights from NFHS-5 (2019-21): S.K. Singh, Ayantika Biswas, Vrijesh Tripathi, Kirti Chauhan and Gudakesh. *Demography India*, 51(2), 85-99. <https://iasp.ac.in/uploads/journal/005-1688886026.pdf>
6. Contraceptive use and its determinants among urban slum dwellers in India: Raj Narayan, Gudakesh, S. Ramachandra Rao and Ajit Yadav. *IER Journal of Health and Demography*, 8 (2), 1-16. [https://www.researchgate.net/publication/370714208\\_Contraceptive\\_use\\_and\\_its\\_determinants\\_among\\_Urban\\_Slum\\_Dwellers\\_in\\_India](https://www.researchgate.net/publication/370714208_Contraceptive_use_and_its_determinants_among_Urban_Slum_Dwellers_in_India)
7. Repositioning of family planning programme in India: Issues and Strategies emerging from NFHS-4 (2015-16): S.K. Singh and Gudakesh. *Economic and Political Weekly*, 57 (32), 50-56. <https://www.epw.in/journal/2022/32/special-articles/repositioning-family-planning-programme-india.html>
8. Prevalence of diarrhoea and fever among school-age children and associated factors: Across-sectional study in Jaunpur district of Uttar Pradesh: S.K. Singh and Gudakesh. *International Journal of Research and Analytical Reviews*, 7 (2), 212-221. <https://ijrar.org/download.php?file=IJRAR19L1413.pdf>
9. Dietary Diversity among Rural Households in Jaunpur District of Uttar Pradesh: S. K. Singh, Gudakesh, Deepanjali Vishwakarma. *Asian Journal of Agriculture and Food Sciences*, 8 (3), 28-35. <https://doi.org/10.24203/ajafs.v8i3.6169>
10. Women's Empowerment and Use of Family Planning in India: Macro and Micro Perspectives Emerging from NFHS-4 (2015-16): S.K. Singh, Bhawana Sharma, Deepanjali Vishwakarma, Gudakesh, Swati and Barsharani Maharana. *Sexual & Reproductive Healthcare*, 19, 15-23. DOI: [10.1016/j.srhc.2018.11.003](https://doi.org/10.1016/j.srhc.2018.11.003)
11. Whether Recent Upswing in Women's Empowerment has a Potential to Address Malnutrition among Women and Children? Evidence from Fourth Round of Indian Demographic Health Survey: S.K. Singh, Swati Srivastava, Gudakesh and Y. Vaidehi. *International Journal of Women's Health Care*, 2 (2), 1-16. DOI: <https://dx.doi.org/10.33140/IJWHC>
12. Transition in Childhood Malnutrition in India: Evidence from Various Cross-sectional Surveys conducted during 1998 to 2013: S.K. Singh, Gudakesh, Barsharani and Swati. *Advances in Nutrition & Food Science*, 1 (2), 1-13. <https://www.opastpublishers.com/open-access-articles/whether-recent-upswing-in-womens-empowerment-has-a-potential-to-address-malnutrition-among-women-and-children-evidence-f.pdf>

## Book Chapters

1. Prevalence of disabilities and its Financial burden in Northern region of India: Jeetendra Yadav, Ravina Ranjan and Gudakesh. *Population Health and Development: Experiences and Challenges*, 113-129, 2023.
2. Spatial clusters and correlates of childhood malnutrition in India: Gudakesh and Col. Arun Kumar. *Population Health and Development: Experiences and Challenges*, 278-304, 2023.

## Research Studies for Ministry of Health and Family Welfare, Government of India

### Completed

1. Predictors of elective and emergency cesarean deliveries and its impact on the delayed initiation of breastfeeding in India
2. Tempo-spatial pattern and risk factors of Gender disparity in Infant and Child Mortality in India
3. Nutritional Profile of India and Predictors of Poor Anthropometric Outcome in High Burden States
4. Progress in Reducing Inequality in Maternal and Child Health Services in India
5. Progress in Modern Contraceptive Use and Priority Strategies for Family Planning Programme in India: Evidence from National Family Health Survey
6. Spatial Pattern of Participation in Integrated Child Development Services and Nutritional Status of Children in India

## National Health Mission PIP Policy Reports for Ministry of Health and Family Welfare, Government of India

- 2023-24: Delhi: *South Delhi District*  
Uttar Pradesh: *Barbanki, Amethi and Ambedkar Nagar*
- 2022-23: Delhi: *North West District*  
Meghalaya: *West khasi Hill and South West khasi Hill*  
Tripura: *West Tripura, Sepahijala, Gomati and South Tripura*
- 2021-22: Arunachal Pradesh: *Lower Subansiri, PakkeKessang, and Papum Pare*  
Chhattisgarh: *Sukma, Narayanpur, Bijapur and Bastar*  
Madhya Pradesh: *Tikamgarh, Chhatarpur, Barwani, Khargone and Dhar*  
Uttar Pradesh: *Aligarh, Balrampur and Hathras*

## HMIS Data Validation report of District Hospitals in India for Ministry of Health and Family Welfare, Government of India

- 2023-24: Delhi and Uttar Pradesh
- 2022-23: Delhi, Meghalaya and Tripura
- 2021-22: Arunachal Pradesh, Chhattisgarh, Madhya Pradesh and Uttar Pradesh

### Research Projects (Completed)

1. National Family Health Survey (NFHS)-6, Himachal Pradesh and NCT of Delhi (Co PI), funded by Ministry of Health and Family Welfare, Government of India (**Total fund: 8.5 crore**)

### Research Projects (ongoing)

2. Economic and Health Impact Assessment of Heat Adaptation Action: Case Studies from India funded by Wellcome Trust (**Total fund: 21.5 crore**)

### Invited Lectures/Trainings/Workshop

1. Role of Panchayati Raj Institutions (PRIs) in Health, Women Empowerment, and related issues', 11<sup>th</sup>-12<sup>th</sup> February, 2024, in Bilaspur Himachal Pradesh
2. Training workshop for the Main Household Survey, National Family Health Survey (NFHS)-6, 3<sup>rd</sup>-31<sup>st</sup> January, 2024, Delhi
3. Training workshop for the Main Household Survey, National Family Health Survey (NFHS)-6, May-June, 2023, Himachal Pradesh
4. Applications of Machine Learning with SPSS on exploratory data analysis and machine learning algorithms, 21<sup>st</sup> March 2022, Population Research Centre, Institute of Economic Growth in Collaboration with the Ministry of Health and Family Welfare, GoI
5. Research Methodology Course on Large Scale Survey: Data Analysis using STATA, 26<sup>th</sup> August – 6<sup>th</sup> September, 2019, Department of Educational Planning at NIEPA, Delhi

### Sessions Chaired/Discussant/Coordinator

1. Chaired a session on "Nuptiality, Fertility, Infertility, and Family Planning" at 45<sup>th</sup> Annual Conference of IASP December, 2024, Jawaharlal Nehru University, Delhi
2. Discussant at Eastern Regional Conference of IASP, October, 2024, Utkal University, Odisha

3. Discussant at Western Regional Conference of IASP, May, 2024, Maharaja Sayajirao University of Baroda, Gujarat
4. Discussant at Southern Regional Conference of IASP, February, 2024, Annamalai University, Tamil Nadu
5. Discussant at North-Eastern Regional Conference of IASP, May, 2023, Bodoland University, Assam
6. Chaired a session on "Nutrition among Children in India" at 43<sup>rd</sup> Annual Conference of IASP December 1-3, 2022, Udaipur, Rajasthan

#### **Paper presented at International and National Seminars/ Conferences/ Brown Bags**

1. How Hypertension Puts the Heart at Risk in Northeastern States of India: Uncovering the Risks and Impacts, North-Eastern at Regional Conference of the Indian Association for the Study of Population, May, 2023, Bodoland University, Assam
2. Breathing in the smoke of cooking fuels: How Household Air Pollution in India Leaves Children Stunted, March 24, 2023, Mini Workshop, Institute of Economic Growth, Delhi
3. Hypertension Predisposing Middle-aged Indians to Heart Diseases: Insights from NFHS, March 9, 2023, IEG Brown Bag Seminar Series, Institute of Economic Growth, Delhi
4. Nutritional status of school children and its association with MDM scheme, household food and nutrition insecurity, 7<sup>th</sup> Annual Conference of IHEPA, January 2019, Trivandrum, Kerala
5. Household food and nutrition insecurity and its association with nutritional status of school children, 16<sup>th</sup> Annual Conference of the IASSH, December 2018, Delhi
6. Transition in Childhood Malnutrition in Urban India: Evidence from Various Cross-sectional Surveys, 15<sup>th</sup> International Conference on Urban Health, November 2018, Uganda
7. Tempo-spatial pattern of progress and disparity in child health in India, Asian Population Association, August 2015, Kuala Lumpur, Malaysia
8. Spatial Distribution in Child Health and Care Services in Uttar Pradesh: Evidence from NFHS and DLHS, 12<sup>th</sup> Annual Conference of the IASSH, November 2014, Lucknow
9. Does Disparity in New Born care practices is reducing in Uttar Pradesh? Evidence from NFHS and DLHS, 36<sup>th</sup> Annual Conference of IASP, September 2014, Kerala
10. Regional differences in Immunization coverage in Uttar Pradesh, IIPS annual Conference, March 2014, Lucknow, Uttar Pradesh
11. Spatial Distribution of Immunization Coverage in Uttar Pradesh: Evidence from DLHS, 35<sup>th</sup> Annual Conference of IASP, December 2013, Rohtak, Rajasthan

#### **International and National Certification/ Special Training**

1. Training of Trainers workshop for the National Family Health Survey (NFHS)-6, April 2023, Goa
2. Workshop on "Indian Public Health Standard-2022" 18-19 November, 2022, Organized by National Health System Resource Centre, Delhi
3. Workshop on "Report Writing for Population Research Centre" organized by Ministry of Health and Family Welfare, Government of India and Population Council, University of Lucknow, 2<sup>nd</sup> March, 2023, Lucknow, Uttar Pradesh
4. Workshop on "Research Methodology and Priorities with focus on Implementation Research" 27<sup>th</sup>-30<sup>th</sup> June, 2022, organized by National Health System Resource Centre, Delhi
5. Workshop on "Statistical Demography Using R", 3<sup>rd</sup> KOSTAT Summer Seminar, August 2016, Busan, South Korea
6. Workshop on "Shaping policies to promote urban health equity", 14<sup>th</sup> International Conference on Urban Health, September 2017, Coimbra, Portugal
7. Training of Trainers workshop for the National Family Health Survey (NFHS)-5, April to May 2019, Goa
8. Mapping and Household Listing workshop of National Family Health Survey (NFHS)-5, January 2019, Mumbai, Maharashtra
9. Workshop in 12<sup>th</sup> Annual Conference of the IASSH on "Research Methodology in social science", November 2014, Lucknow, Uttar Pradesh
10. Workshop on "Environmental sustainability and Modeling", Pop-Envis project of Ministry of Environment and Forest, May 2019, Mumbai, Maharashtra

11. Capacity building workshop of Center for Health and Social Justice on "Mobilizing Men to challenge Sexual and Gender-Based Violence against Women", 2011, Delhi

#### Awards/ Achievements

1. Dr. P.N. Mari Bhat Gold Medal for the best dissertation in MPhil (2013-14), IIPS
2. Dr. J.R. Rele Gold Medal for the best Term Paper in MPS (2012-13), IIPS
3. National Eligibility Test (Population Studies), University Grants Commission, June 2013
4. National Eligibility Test (Geography), University Grants Commission, June 2012

#### Scholarship/ Fellowships

1. International travel Scholarship, from International Urban Health Society to attend 15<sup>th</sup> International Conference on Urban Health, Kampala, Uganda, 2018
2. International travel Scholarship, from International Urban Health Society to attend 14<sup>th</sup> International Conference on Urban Health, Coimbra, Portugal, 2017
3. International travel Scholarship for attending 3<sup>rd</sup> KOSTAT Summer Seminar on Population Workshop, Bussan South Korea, 2016
4. International travel Scholarship for attending 3<sup>rd</sup> Asian Population Association in Kuala Lumpur, Malaysia from the United Nations Population Fund (UNFPA), Asia and the Pacific Regional Office, 2015
5. Government of India fellowship for pursuing M.Phil in Population Studies, 2013-14
6. Government of India fellowship for pursuing MPS in Population Studies, 2012-13
7. Junior Research Fellowship in Population Studies in June 2013 by University Grant Commission

#### Professional Services

1. **Managing Editor;** Demography India, Journal of Indian Association for the Study of Population, June 2022-Present
2. **Member;** 15<sup>th</sup> Common Review Mission to understand the key strategies and challenges in the implementation of the National Health Mission in Delhi, Ministry of Health and Family Welfare, 2021-2022
3. **Member;** 14<sup>th</sup> Common Review Mission to understand the key strategies and challenges in the implementation of the National Health Mission in Tripura, Ministry of Health and Family Welfare, 2020-21
4. **Mentor;** Summer Research Fellowship, 2021-22, Institute of Economic Growth
5. **Referee for Journals;** Children and Youth Services Review, Clinical Epidemiology and Global Health, SN Social Sciences, Journal of Medical Evidence, Demography India

#### Administrative Responsibilities

1. Member of executive council of Indian Association for the Study of Population
2. Regional Secretary of West Zone, Indian Association for the Study of Population
3. Member of Library Acquisition Committee, Institute of Economic Growth
4. Member of Staff Welfare & Canteen Committee, Institute of Economic Growth

#### Professional Membership

1. Life member of Indian Association for the Study of Population (IASP)
2. Life member of Indian Association of Social Science and Health (IASSH)
3. Member of International Society for Urban Health (ISUH)
4. Member of Asian Population Association (APA)