

Dr. Gudakesh

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Current Affiliation: *Assistant Professor*, Population Research Centre, Institute of Economic Growth, Delhi (June 2021- Present)

Roles and responsibilities: Monitoring of PIP of National Health Mission, HMIS data Verification, Planning and Conducting Primary and secondary studies on concurrent health issues in India for MoHFW under Annual Work Plan. I have been engaged in training on Public health issues and statistical tools to Government officials and researchers. Additionally, I am training and monitoring field staff of National Family Health Survey (NFHS)-6 for main household Survey (Himachal Pradesh) as *State Project Coordinator etc.*

Previous Experiences

- **Manager MIS** at World HealthPartners, Ahmadabad (January 2021- June 2021)

Roles and responsibilities: Developed and implemented procedures for effective MIS; Design and develop data collection tools, formulate techniques for data management & quality data collection; Monitoring the project and analysis of data.

- **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 NFHS-5 related matters between MoHFW, IIPS and Field Agencies; Training and Monitoring survey activities, Review of the State and India reports and tabulation plan; Preparing responses to Parliament Questions, RTIs and media reports on NFHS associated matters; Coordinating Technical Advisory Committee meetings; Reviewing inputs from various Divisions of MoHFW and partner Ministries like MoWCD, MoSPI, MoRD, MoAYUSH, MoTA, etc. for inclusion in the NFHS-6 survey questionnaires.

Professional Services

- **Member**; 14th 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
- **Member**; 15th 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
- **Supervisor/Mentor**; Summer Research Fellowship, 2021-22, Institute of Economic Growth
- **Managing Editor**, Demography India, Journal of Indian Association for the Study of Population (IASP), June 2022-Present

Academic Qualifications

- **PhD in Population Studies** (2014-20), International Institute for Population Sciences, Mumbai. on "School meal programme, Household Food Security, and Nutritional Status of Children in Uttar Pradesh"

- **MPhil in Population Studies** (2013-14), International Institute for Population Sciences, Mumbai. on “Does Disparity in Child Health and Nutrition is reducing in Uttar Pradesh?”
- **Masters in Population Studies** (2012-13), International Institute for Population Sciences, Mumbai. on Dissertation title “Spatial Distribution of Immunization Coverage in Uttar Pradesh”
- **Masters of Arts in Geography** (2010-12), Banaras Hindu University, Varanasi
- **Bachelor of Arts, Geography Hons** (2006-2009), Banaras Hindu University, Varanasi

Research Interest: Nutrition and food security, Maternal & Child Health, Family Planning, Socio-economic inequalities and determinants in health, Monitoring and Impact assessments

Skills: Quantitative Research, Monitoring and evaluation, Demographic data analysis, Proposal writing, Report writing, Organizing and conducting Conferences and workshops/ training; Survey Operations.

Computer Proficiency: STATA, SPSS, R, CPro, ArcGIS, GeoDa and Microsoft Office

Published Research Papers

2023

- *Malnutrition among Children in India: Exploring the Contribution of the Integrated Child Development Service Scheme.* S. K. Singh, Gudakesh, Deepanjali Vishwakarma. *SN Social Sciences*, 3 (12)
- *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>.
- *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). <https://www.ronakpublication.com/uploads/articles/05-Nutritional-Status-of-Reproductive-Aged-Women.pdf>
- *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>
- *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

2022

- *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>

2020

- *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>
- *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://www.ajouronline.com/index.php/AJAFS/article/view/6169>

2018

- *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.srh.2018.11.003](https://doi.org/10.1016/j.srh.2018.11.003)

2017

- *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. <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>
- *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

- *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.
- *Spatial clusters and correlates of childhood malnutrition in India:* Gudakesh and Col. Arun Kumar. *Population Health and Development: Experiences and Challenges*, 208-304.

Research Studies under annual work plan submitted to Ministry of Health and Family Welfare

Project Team: Population Research Centre, Institute of Economic Growth, Delhi

Project Funding: Ministry of Health and Family Welfare, Govt. of India

2023-24

- Predictors of elective and emergency cesarean deliveries and its impact on the delayed initiation of breastfeeding in India
- Tempo-spatial pattern and risk factors of Gender disparity in Infant and Child Mortality in India

2022-23

- Nutritional Profile of India and Predictors of Poor Anthropometric Outcome in High Burden States

- Progress in Reducing Inequality in Maternal and Child Health Services in India
2021-211
- Progress in Modern Contraceptive Use and Priority Strategies for Family Planning Programme in India: Evidence from National Family Health Survey
- Spatial Pattern of Participation in Integrated Child Development Services and Nutritional Status of Children in India

National Health Mission PIP Policy Reports submitted to Ministry of Health and Family Welfare

Project Team: Population Research Centre, Institute of Economic Growth, Delhi

Project Funding: Ministry of Health and Family Welfare, Govt. 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 for District Hospital Ranking in India: Study of District Hospitals submitted to Ministry of Health and Family Welfare

Project Team: Population Research Centre, Institute of Economic Growth, Delhi

Project Funding: Ministry of Health and Family Welfare, Govt. 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 (Ongoing)

Project Team: Population Research Centre, Institute of Economic Growth, Delhi

Project Funding: Ministry of Health and Family Welfare, Govt. of India

- National Family Health Survey (NFHS)-6, Himachal Pradesh (State Coordinator)
- Assessment of the Causes of Neonatal and Post-neonatal Mortality in Arunachal Pradesh, Meghalaya and Tripura
- NUHM and Urban Health in India: Role in service delivery, reduction in OOPE and decongestion of secondary and tertiary healthcare facilities (ongoing)
- Structure and Coordination between Urban Local Bodies and State Health Departments in Public Health Care Systems: Insights for NUHM from Selected States (ongoing)

Invited Lectures/Trainings/Workshop

- Training workshop for the Main Household Survey, National Family Health Survey (NFHS)-6, May-June, 2023, Himachal Pradesh
- Applications of Machine Learning with SPSS on exploratory data analysis and machine learning algorithms, 21st March 2022, Population Research Centre, Institute of Economic

Growth in Collaboration with the Ministry of Health and Family Welfare Government of India

- Research Methodology Course on Large Scale Survey: Data Analysis using STATA, 26th August – 6th September, 2019, Department of Educational Planning at NIEPA, Delhi

Sessions Chaired/Discussant/Coordinator

- Discussant at North-Eastern Regional Conference of IASP, May, 2023, Bodoland University, Assam
- Chaired a session on “*Nutrition among Children in India*” at 43rd Annual Conference of IASP December 1-3, 2022, Udaipur, Rajasthan

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

- *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
- *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
- *Hypertension Predisposing Middle-aged Indians to Heart Diseases: Insights from NFHS*, March 9, 2023, IEG Brown Bag Seminar Series, Institute of Economic Growth, Delhi
- *Nutritional status of school children and its association with MDM scheme, household food and nutrition insecurity*, 7th Annual Conference of IHEPA, January 2019, Trivandrum, Kerala
- *Household food and nutrition insecurity and its association with nutritional status of school children*, 16th Annual Conference of the IASSH, December 2018, Delhi
- *Transition in Childhood Malnutrition in Urban India: Evidence from Various Cross-sectional Surveys*, 15th International Conference on Urban Health, November 2018, Kampala, Uganda
- *Tempo-spatial pattern of progress and disparity in child health in India*, Asian Population Association, August 2015, Kuala Lumpur, Malaysia
- *Spatial Distribution in Child Health and Care Services in Uttar Pradesh: Evidence from NFHS and DLHS*, 12th Annual Conference of the IASSH, November 2014, Lucknow
- *Does Disparity in New Born care practices is reducing in Uttar Pradesh? Evidence from NFHS and DLHS*, 36th Annual Conference of IASP, September 2014, Kerala
- *Regional differences in Immunization coverage in Uttar Pradesh*, IIPS annual Conference, March 2014, Lucknow, Uttar Pradesh
- *Spatial Distribution of Immunization Coverage in Uttar Pradesh: Evidence from DLHS*, 35th Annual Conference of IASP, December 2013, Rohtak, Rajasthan

International and National Certification/ Special Training

- Training of Trainers workshop for the *National Family Health Survey (NFHS)-6*, April 2023, Goa
- Workshop on “*Indian Public Health Standard-2022*” 18-19 November, 2022, Organized by National Health System Resource Centre, Delhi
- 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, 2nd March, 2023, Lucknow, Uttar Pradesh
- Workshop on “*Research Methodology and Priorities with focus on Implementation Research*” 27th-30th June, 2022, organized by National Health System Resource Centre, Delhi

- Workshop on “*Statistical Demography Using R*”, 3rd KOSTAT Summer Seminar, August 2016, Busan, South Korea
- Workshop on “*Shaping policies to promote urban health equity*”, 14th International Conference on Urban Health, September 2017, Coimbra, Portugal
- Training of Trainers workshop for the *National Family Health Survey (NFHS)-5*, April to May 2019, Goa
- Mapping and Household Listing workshop of *National Family Health Survey (NFHS)-5*, January 2019, Mumbai, Maharashtra
- Workshop in 12th Annual Conference of the IASSH on “*Research Methodology in social science*”, November 2014, Lucknow, Uttar Pradesh
- Workshop on “*Environmental sustainability and Modeling*”, Pop-Envis project of Ministry of Environment and Forest, May 2019, Mumbai, Maharashtra
- 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

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

Scholarship/ Fellowships

- International travel Scholarship, 15th International Conference on Urban Health, Kampala, Uganda, 2018
- International travel Scholarship for attending 3rd KOSTAT Summer Seminar on Population Workshop, Bussan South Korea, 2016
- International travel Scholarship for attending 3rd Asian Population Association in Kuala Lumpur, Malaysia from the UNFPA's Asia and the Pacific Regional Office, 2015
- Government of India fellowship for pursuing M.Phil in Population Studies, 2013-14
- Government of India fellowship for pursuing MPS in Population Studies, 2012-13
- Junior Research Fellowship (JRF) in Population Studies in June 2013 by University Grant Commission

Administrative Responsibilities

- Member of Library Acquisition Committee, Institute of Economic Growth
- Member of Staff Welfare & Canteen Committee, Institute of Economic Growth
- Member of Hostel Management Committee, Institute of Economic Growth

Professional Membership

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