

## CURRICULUM VITAE

### LAXMI KANT DWIVEDI

Professor & Head

Department of Survey Research & Data Analytics  
International Institute for Population Sciences  
Govandi Station Road, Deonar, Mumbai-400 088, India  
E-mail: laxmikant@iipsindia.ac.in, [laxmikdwivedi@gmail.com](mailto:laxmikdwivedi@gmail.com)  
TEL.: +91-22-42372496 (OFF), Fax: +91-22-25563257

#### RESEARCH INTERESTS:

- Large-scale Survey Research Methods
- Applied Multivariate Analysis, Demographic Methods & Applied Econometrics in the field of Demography/Population Studies

#### ACADEMIC BACKGROUND:

- **M.Sc.:** *Statistics*
- **M.Phil.:** *"Reproductive Preferences in Uttar Pradesh"*
- **Ph.D.:** *"Breastfeeding and Its Demographic and Health Implications in India"*

#### WORK EXPERIENCE:

##### ***Teaching Experience in the field of Mathematical Demography/ Population Studies/Statistics***

- Professor & Head, Department of Survey Research & Data Analytics, International Institute for Population Sciences, Mumbai since 1 April 2024.
- Professor, Department of Survey Research & Data Analytics, International Institute for Population Sciences, Mumbai since 1 October 2021.
- Professor, Department of Mathematical Demography & Statistics, International Institute for Population Sciences, Mumbai since 3 September 2021.
- Associate Professor, Department of Mathematical Demography & Statistics, International Institute for Population Sciences, Mumbai since 17 January 2020.
- Assistant Professor, Department of Mathematical Demography & Statistics, International Institute for Population Sciences, Mumbai since 26 November 2012.
- Assistant Professor, School of Health Systems Studies, Tata Institute of Social Sciences, Mumbai since 17 January 2008.
- Lecturer in the Department of Extra Mural Studies and Distance Education, International Institute for Population Sciences, Mumbai since 18 August 2006.

**RESEARCH EXPERIENCE:**

Currently Four Students were awarded PhD degree in Population Studies. Five PhD students are currently enrolled under my supervision. The awarded PhD topics are as follows:

- Infant Death Clustering in India: Levels, Trends and Differentials, 1992-2016 (Awarded)
- Timing, Causes and Risk Factors for Neonatal Mortality: A Community-Based Case-Control Study in Rural Uttar Pradesh (Awarded)
- Understanding Health and Wellbeing of Urban Adolescents: A School Based Study in Mumbai (Awarded)
- Childhood stunting in India: Linking the Macro and Micro-level Burden (Awarded)

*Till Academic Year 2020-21 supervising 1-2 MPhil Students and Every Academic year supervising 4-5 Masters Students for their Dissertation Work*

**TEACHING SUBJECTS:**

- **MPhil/PhD:** *Survey Research Methods and Applied Multivariate/Multilevel Analysis*
- **MSc in Biostatistics & Demography:** *Applied Multivariate/Multilevel Analysis; Indirect Methods of Estimation, Sampling Techniques in Health & Demographic Surveys; Applied Spatial Regression Techniques*
- **Master in Population Studies/ MA/MSc in Population Studies:** *Applied Spatial Regression Techniques; Evaluation, Adjustment of Demographic Data & Population Projection*

**MAJOR ADMINISTRATIVE RESPONSIBILITIES:**

- **Hostel Warden** of the Institute since 1<sup>st</sup> June, 2023

**CURRICULUM DEVELOPMENT:**

- **MPhil/PhD:** *Survey Research Methods and Applied Multivariate Analysis*
- **MSc in Biostatistics & Demography:** *Applied Multivariate/Multilevel Analysis;*
- *Currently Involved in Developing One Year Specialization Course on SURVEY RESEARCH METHODS & DATA SCIENCE in MA/MSc in Population Studies Program*

**AWARDS/FELLOWSHIP:**

- **Post-doctorate fellowship** through Erasmus Mundus Europe Asia (Phase 2) (EMEA 2) scholarship programme, coordinated by Lund University, Sweden from University College London, Great Britain for a period of nine months during 2012-13.

- Was offered as **Visiting Assistant Professor**, Population Studies Unit, Indian Statistical Institute, Kolkata for a period of two years from 01/01/2012 to 31/12/2014.
- **Prof. K. B. Pathak Award** for outstanding paper entitled “Caste Differentials in death Clustering in Central and Eastern Indian States” in the 39th annual conference of The Indian Association for the Study of Population, Varanasi, Uttar Pradesh, India, 18-20 September, 2018.
- **C. Chandrasekharan Award** for Presenting the best Paper entitled “Determinants of Contraceptive Use in India: A Multivariate Decomposition Analysis” in the 27th annual conference of The Indian Association for the Study of Population, Chandigarh, India, 10-12 February 2005.
- Invited as a **Visiting Scholar** in LSE Health and Social Care, London School of Economics and Political Science (LSE), London, United Kingdom, during 25<sup>th</sup> October to 25<sup>th</sup> November, 2011.
- Invited as a **Visiting Faculty** and delivered the Lecture on “Contraceptive Use in India: A Decomposition Analysis”, Population Studies Unit, Indian Statistical Institute, Kolkata during 24-28 January, 2011.
- Invited as a **Visiting Faculty** and delivered the Lecture on “Impact of Antenatal Care Visits on Institutional Delivery in India: A Propensity Score Matching Analysis”, Population Studies Unit, Indian Statistical Institute, Kolkata during 24-28 January, 2011.
- **Dr. S.N. Singh Award** for Best Research Poster entitled “Impact of Timing of Breastfeeding Initiation on Neonatal Mortality in India” in the 38<sup>rd</sup> Annual Conference of the Indian Association for the Study of Population, Andhra University, Visakhapatnam, India, December 20-22, 2017.
- **Dr. S.N. Singh Award** for Best Research Poster entitled “Neonatal Deaths among Tribal Women in Gujarat: Causes and Newborn Care Practices” in the 33<sup>rd</sup> Annual Conference of the Indian Association for the Study of Population, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, India, November 11-13, 2011.

## RESEARCH PAPERS PUBLISHED:

### I. Journal Articles

1. “Utilization of Integrated Child Development Services(ICDS) and its Linkages with Undernutrition in India” S. K. Singh, A. Chauhan, H. Alderman, R. Avula, **L. K. Dwivedi**, R. Kapoor, T. Meher, P. Menon, P. H. Nguyen, S. Pedgaonker, P. Puri and S. Chakrabarti. Maternal & Child Nutrition, e13644.<https://doi.org/10.1111/mcn.13644>, **2024**.
2. “Fieldworker Effects on Quality of Data Collected on Sensitive Questions in National Family Health Surveys: An Analysis Based on Intimate Partner Violence in India” S. Singh, **L. K. Dwivedi** and S. Jana. SSM - Population Health, 10:25:101557, November 2023, doi: <https://doi.org/10.1016/j.ssmph.2023.101557>, **2023**.

3. “Concurrent Undernutrition and Overnutrition within Indian Families between 2006 and 2021” **L. K. Dwivedi**, P. Puri, A. Pant, A. Chauhan, S. Scott, S.K. Singh, S. Pedgaonkar and P.H. Nguyen. Current Developments in Nutrition, 7(9): 101987. <https://doi.org/10.1016/j.cdnut.2023.101987>, **2023**.
4. “A Longitudinal Study of Incident Hypertension and its Determinants in Indian Adults Aged 45 Years and Older: Evidence from Nationally Representative WHO-SAGE Study (2007–2015)” M. Bhatia, P. Dixit, M. Kumar and **L. K. Dwivedi**. Frontiers in Cardiovascular Medicine, 10:1265371. doi: 10.3389/fcvm.2023.1265371, **2023**.
5. “Data-Quality Indicators from the National Family Health Survey: A Few Observations” **L.K. Dwivedi**, P. Arora and K. Banerjee. In K.S. James & T.V. Sekher (Eds.), India Population Report (pp. 270-310). Cambridge: Cambridge University Press. doi:10.1017/9781009318846.010, **2023**.
6. “Clustering of Child Deaths among Families in Low and Middle-Income Countries: A Meta-Analysis” **L.K. Dwivedi**, M. Ranjan, R. Mishra, W. Ahmed and M. Bhatia. Health Science Reports, July 2023; 6(7): e1197. doi:10.1002/hsr2.1197, **2023**.
7. “Assessing the Impact of Measurement Error in Household Consumption on Estimates of Catastrophic Health Expenditure in India” S K Mohanty, S. Maiti, S.K. Sharma, **L.K. Dwivedi** and N. Saggurti. Humanities and Social Sciences Communications, 10, 722 (2023). <https://doi.org/10.1057/s41599-023-02226-4>, **2023**.
8. “The Burden of Diabetic Foot Ulcers in Urban India: A Community Healthcare Setup-Based Study” P. Patil, S. Mishra, A. Gadgil, P. Bhandarkar, N. Roy and **L.K. Dwivedi**. Indian Journal of Endocrinology and Metabolism, July 2023; 24:4. doi: 10.4103/ijem.ijem\_346\_22, **2023**. **Download new and confirm vol no and issue**
9. “Role of Seasonality Variation in Prevalence and Trend of Childhood Wasting in India: An Empirical Analysis Using National Family Health Surveys, 2005–2021” **L.K. Dwivedi**, M. Bhatia, A. Bansal, R. Mishra, Shirisha P., S. Jana, S. V. Subramanian and S. Unisa. Health Science Reports, February 2023; 6(2): e1093. doi:10.1002/hsr2.1093, **2023**.
10. “Cultural and Contextual Drivers of Triple Burden of Malnutrition among Children in India” S K Singh, A Chauhan, S K Sharma, P Puri, S Pedgaonkar, **L K Dwivedi** and L S Taillie. Nutrients, 2023, 15, 3478. <https://doi.org/10.3390/nu15153478>, **2023**.
11. “Importance of Caste-Based Headcounts: An Analysis of Caste-Specific Demographics Transition in India” D.P. Singh, S. Chanda, **L.K. Dwivedi**, P. Dixit and S. Jana. CASTE: A Global Journal on Social Exclusion, Vol. 4 (1), April 2023, The Brandeis Library, ISSN 2639-4928 JSTOR. doi: 10.26812/caste. v4i1.497 pp. 75–91, **2023**.
12. “Comparing Socio-Economic Inequalities in Self-Reported and Undiagnosed Hypertension Among Adults 45 Years and Over in India: What Explains these Inequalities? M. Bhatia, P. Dixit, M. Kumar and **L. K. Dwivedi**. International Journal for Equity in Health, (2023) 22:26. doi: <https://doi.org/10.1186/s12939-023-01833-6>, **2023**.

13. "Multimorbidity Combinations and their Association with Functional Disabilities among Indian Older Adults: Evidence from Longitudinal Ageing Study in India (LASI)" M. Kumar, N. Kumari, S. Chanda, **L. K. Dwivedi**. BMJ Open. February 2023;13(2): e062554. doi: 10.1136/bmjopen-2022-062554, **2023**.
14. "Intra-cluster Correlations in Socio-Demographic Variables and their Implications: An Analysis Based on Large-Scale Surveys in India" **L.K. Dwivedi**, B. Mahapatra, A. Bansal, J. Gupta, A. Singh, T.K. Roy. SSM - Population Health, Vol.21, March 2023, 101317, doi: <https://doi.org/10.1016/j.ssmph.2022.101317>, **2023**.
15. "Key Drivers of Reversal of Trend in Childhood Anaemia in India: Evidence from Indian Demographic and Health Surveys, 2016–21" S. K. Singh, H. Lhungdim, C. Shekhar, **L. K. Dwivedi**, S. Pedgaonkar and K.S. James. BMC Public Health, 23, 1574 (2023), <https://doi.org/10.1186/s12889-023-16398-w>, **2023**.
16. "Quality of Anthropometric Data in India's National Family Health Survey: Disentangling Interviewer and Area Effect Using a Cross-Classified Multilevel Model" **L.K. Dwivedi**, K. Banerjee, R. Sharma, R. Mishra, S. Ramesh, D. Sahu, S. K. Mohanty, K.S. James. SSM - Population Health, Vol 19, September 2022, 101253, doi: <https://doi.org/10.1016/j.ssmph.2022.101253>, **2022**.
17. "Survey Implementation Process and Interviewer Effects on Skipping Sequence of Maternal and Child Health Indicators from National Family Health Survey: An Application of Cross-Classified Multilevel Model" R. Sharma, **L.K. Dwivedi**, S. Jana, K. Banerjee, R. Mishra, B. Mahapatra, D. Sahu and S.K. Singh. SSM - Population Health, Vol 19, September 2022, 101252, doi: <https://doi.org/10.1016/j.ssmph.2022.101252>, **2022**.
18. "Effectiveness of Modular Approach in Ensuring Data Quality in Large-Scale Surveys: Evidence from National Family Health Survey-4 (2015–2016)" S. K. Singh, S. K. Sharma, M. J. Rana, A. Porwal, **L. K. Dwivedi**. SSM - Population Health, Vol 19, September 2022, 101254, doi: <https://doi.org/10.1016/j.ssmph.2022.101254>, **2022**.
19. "Innovative Field Procedures in a Large-scale Survey to Ensure Quality of Data in Pandemic Situation: Evidence from NFHS-5, 2019-21" S.K. Singh, H. Lhungdim, C. Shekhar, **L.K. Dwivedi**, S. Pedgaonkar, and K.S. James. Demography India, Vol. 51, No. 1 (2022), pp.17-39, **2022**.
20. "Infant Death Clustering in the Quarter of a Century in India: A Decomposition Analysis" M. Ranjan, **L. K. Dwivedi**, and S. Halli. International Journal of Environmental Research and Public Health, Volume 19, Issue 21, November 2022, Article number 14384. doi: 10.3390/ijerph192114384, **2022**.
21. "Missed Opportunities for Initiation of Treatment and Control of Hypertension among Older Adults in India" M. Bhatia, M. Kumar, P. Dixit, **L. K. Dwivedi**. Preventive Medicine Reports, Vol.30, December 2022, 30 (2022) 102057 <https://doi.org/10.1016/j.pmedr.2022.102057>, **2022**.
22. "Assessing the Role of Depressive Symptoms in the Association between Social Engagement and Cognitive Functioning among Older Adults: Analysis of Cross-Sectional Data from the Longitudinal Aging Study in India (LASI)" M. Kumar, T. Muhammad and **L. K. Dwivedi**. BMJ Open 2022;12: e063336. doi:10.1136/bmjopen-2022-063336, **2022**.

23. “An Association between Multi-morbidity and Depressive Symptoms among Indian Adults based on Propensity Score Matching” S. Singh, N. Shri and **L.K. Dwivedi**. Scientific Reports 12, 15518 (2022).doi: <https://doi.org/10.1038/s41598-022-18525-w>, 2022.
24. “Sterilization Incentives and Associated Regret among Ever Married Women in India, NFHS, 2015–16” A. Bansal, **L.K. Dwivedi** and P. Shirisha. BMC Health Serv Res 22, 1063 (2022). <https://doi.org/10.1186/s12913-022-08401-8>, 2022.
25. “Validity of Self-Reported Hypertension in India: Evidence from Nationally Representative Survey of Adult Population Over 45 Years” M. Bhatia, P. Dixit, M. Kumar and **L.K. Dwivedi**. J Clin Hypertens, WILEY 2022;1-10, doi: <https://doi.org/10.1111/jch.14542>, 2022.
26. “The Trends of Female Sterilization in India: An Age Period Cohort Analysis Approach” A. Bansal, **L. K. Dwivedi** and B. Ali. BMC Women's Health 22, 272 (2022). <https://doi.org/10.1186/s12905-022-01857-0>, 2022.
27. “Role of Maternal and Child Health Services on the Uptake of Contraceptive Use in India: A Reproductive Calendar Approach” A. Bansal, P. Shirisha, B. Mahapatra and **L. K. Dwivedi**. PLoS ONE 17(6): e0269170. <https://doi.org/10.1371/journal.pone.0269170>, 2022.
28. “Small Area Variations in Low Birth Weight and Small Size of Births in India” M. J. Rana, R. Kim, S. Ko, **L.K. Dwivedi**, K.S. James, R. Sarwal and S.V. Subramanian. Maternal & Child Nutrition, e13369. <https://doi.org/10.1111/mcn.13369>, 2022.
29. “Infant Mortality and Death Clustering at The District Level in India: A Bayesian Approach” M. Ranjan and **L.K. Dwivedi**. Spatial and Spatio-temporal Epidemiology, Vol. 41, June 2022, 100481, doi: <https://doi.org/10.1016/j.sste.2022.100481>, 2022.
30. “Population, Health Status, and the Sustainable Development Goals-Emerging Indications from NFHS-5” K.S. James, S.K. Singh, H. Lhungdim, C. Sekhar, **L.K. Dwivedi**, S. Pedgaonkar and F. Arnold. Economic & Political Weekly. Vol. 57(6), 05 February 2022, 26-32 pp.
31. “Estimating the Burden of Child Undernutrition for Smaller Electoral Units in India” J Kim, Y. Liu, W. Wang, J. C. Blossom, **L.K. Dwivedi**, K.S. James, R Sarwal, R. Kim and S.V. Subramanian. JAMA Network Open. 2021; 4(10): e2129416. doi: 10.1001/jamanetworkopen.2021.29416, 2021.
32. “Population Projection of Metropolitan Cities in India: An Approach to Bayesian Hierarchical Model” T. Dey, A. Bansal and **L.K. Dwivedi**. Demography India, Vol. 50 (2), 2021, pp. 16-32 pp.
33. “Diagnosis and Treatment of Hypertension Among People Aged 45 Years and Over in India: A Sub-National Analysis of the Variation in Performance of Indian States” M. Bhatia, M. Kumar, P. Dixit and **L.K. Dwivedi**. Front. Public Health 9:766458. doi: 10.3389/fpubh.2021.766458, 2021.



34. "Serious Adverse Events and Fatal Outcomes Following COVID-19 Vaccination in the UK: Lessons for Other Countries" M. Bhatia, V. R. P. Putcha, **L.K. Dwivedi** and D. P. Singh. The International Journal of Community and Social Development, Vol 3 (4), November, 2021, doi: <https://doi.org/10.1177/25166026211053485>, **2021**, 396-402 pp.
35. "Reporting Issues of Adverse Effect of COVID-19 Vaccine in India: What We Know or Don't Know?" P. Dixit, S. Chanda, **L.K. Dwivedi** and M. Bhatia. The International Journal of Community and Social Development, Vol 3 (4), December, 2021, doi: <https://doi.org/10.1177/25166026211053495>, **2021**, 390-395 pp.
36. "Impending Epidemic of Cardiovascular Diseases among Lower Socioeconomic Groups in India" M. Bhatia, P. Dixit, M. Kumar, **L. K. Dwivedi**. The Lancet Healthy Longevity, Vol 2 (6), doi: [https://doi.org/10.1016/S2666-7568\(21\) 00080-5](https://doi.org/10.1016/S2666-7568(21) 00080-5), **2021**, e314-e315 pp, Comment.
37. "Pro-Poor Policies and Improvements in Maternal Health Outcomes in India" M. Bhatia, **L. K. Dwivedi**, K. Banerjee, A. Bansal, M. Ranjan and P. Dixit. BMC Pregnancy and Childbirth 21:389, doi: <https://doi.org/10.1186/s12884-021-03839-w>, **2021**.
38. "Incubation Period for COVID-19: A Systematic Review and Meta-Analysis" B. Rai, A. Shukla and **L.K. Dwivedi**. Journal of Public Health: From Theory to Practice, doi: <https://doi.org/10.1007/s10389-021-01478-1>, **2021**.
39. "Estimates of Serial Interval for COVID-19: A Systematic Review and Meta-Analysis" B. Rai, A. Shukla and **L.K. Dwivedi**. Clinical Epidemiology and Global Health. Vol. 9, doi: <https://doi.org/10.1016/j.cegh.2020.08.007>, **2021**, 157-161 pp.
40. "Effect of Maternal Nutritional Status on Children Nutritional Status in India" D.P. Singh, R.A. Biradar, S.S. Halli and **L.K. Dwivedi**. Children and Youth Services Review. Volume 120 (2021), 105727. doi: <https://doi.org/10.1016/j.childyouth.2020.105727>, **2021**.
41. "Addressing Data and Methodological Limitations in Estimating Catastrophic Health Spending and Impoverishment in India, 2004–18" S.K. Mohanty and **L.K. Dwivedi**. International Journal for Equity in Health 20, 85. doi: <https://doi.org/10.1186/s12939-021-01421-6>, **2021**.
42. "Patterns of Migration in Uttar Pradesh: Evidence from Population Census" D. P. Singh, R. Biradar and **L.K. Dwivedi**. Indian Journal of Population and Development. Vol 1(1), January **2021**, 121-136 pp.
43. "An Epidemic of Avoidable Caesarean Deliveries in the Private Sector in India: Is Physician-Induced Demand at Play?" M. Bhatia, **L. K. Dwivedi**, K. Banerjee, P Dixit Social Science & Medicine, Vol.265, 113511, doi: <https://doi.org/10.1016/j.socscimed.2020.113511>, **2020**.
44. "Sterilization Regret in India: Is Quality of Care a Matter of Concern?" A. Bansal and **L.K. Dwivedi** Contraception and Reproductive Medicine. 5:13 doi: <https://doi.org/10.1186/s40834-020-00115-8>, **2020**.
45. "Estimating Vulnerability to COVID-19 in India" **L.K. Dwivedi** and A. Bansal. Correspondence The Lancet Global Health. Volume 8 (12), e1466, December 01, 2020. doi: [https://doi.org/10.1016/S2214-109X\(20\)30424-1](https://doi.org/10.1016/S2214-109X(20)30424-1). **2020**, Comment.

46. "Assessment of Variation in Cesarean Delivery Rates between Public and Private Health Facilities in India from 2005 to 2016" M. Bhatia, K. Banerjee, P Dixit and **L. K. Dwivedi** JAMA Network Open. 2020; 3(8): e2015022. doi:10.1001/jamanetworkopen.2020.15022, **2020**.
47. "Dynamics of COVID-19 in India: A Review of Different Phases of Lockdown" B Rai, A Shukla and **L. K. Dwivedi** Letter to the Editor | Population Medicine, 2(July):21, doi: <https://doi.org/10.18332/popmed/125064>, **2020**
48. "Assessing the Impact of Complete Lockdown on COVID-19 Infections in India and its Burden on Public Health Facilities" **L. K. Dwivedi** and IIPS team of Researchers for Estimation and Projection of COVID 19 Cases Demography India, Vol. 49, Special Issue, **2020**, 37-50 pp.
49. "Basic Reproduction Rate and Case Fatality Rate of COVID-19: Application of Meta-analysis" IIPS team of Researchers for Estimation and Projection of COVID 19 Cases and **L.K. Dwivedi** Demography India, Vol. 49, Special Issue, **2020**, 76-97 pp.
50. "Effect of Differences in Month and Location of Measurement in Estimating Prevalence and Trend of Wasting and Stunting in India in 2005–2006 and 2015–2016" Emily M Madan, Edward A Frongillo, Sayeed Unisa, **L. K. Dwivedi**, Robert Johnston, Abner Daniel, Praween K Agrawal, Sila Deb, Ajay Khera, Purnima Menon, and Phuong H Nguyen. Current Developments in Nutrition, Volume 4, Issue 6, nzaa092, doi: <https://doi.org/10.1093/cdn/nzaa092>, **2020**.
51. "Disparity in Childhood Stunting in India: Relative Importance of Community-level Nutrition and Sanitary Practices" K. Banerjee and **L. K. Dwivedi**. PLoS ONE 15(9): e0238364. doi: <https://doi.org/10.1371/journal.pone.0238364>, **2020**
52. "Determinants of Subjective Wellbeing among Urban Adolescents: A School-Based Study in Mumbai, India" N Jain and **L. K Dwivedi**. IJRAR, 7 (2) **2020**.
53. "Community and Household Well-being in the Municipal Corporations of Maharashtra" UNICEF team and **L.K. Dwivedi**. URBAN INDIA, Vol. 40 (1), January-June **2020**, 5-28 pp.
54. "A Longitudinal Assessment of Correlates of Linear Growth and Stunting Status in Maharashtra, India" S. Unisa, **L. K. Dwivedi** and Others. The Journal of Family Welfare, Vol. 64 Special Issue, **2019-20**, 1-17pp.
55. "Assessment of Nutritional Status of Pregnant Women Based on Mid-Upper Arm Circumference (MUAC) and Associated Factors in Poverty Pockets of Eastern India" Swabhimaan Team and **L. K. Dwivedi**. The Journal of Family Welfare, Vol. 64 Special Issue, **2019-20**, 134-145pp.
56. "Linkage in Stunting Status of Siblings: A New Perspective on Childhood Undernutrition in India" K. Banerjee and **L. K. Dwivedi**. Journal of Biosocial Science, 1-15. doi:10.1017/S0021932019000725, **2019**.
57. "Integrated Multisectoral Strategy to Improve Girls' and Women's Nutrition before Conception, During Pregnancy and After Birth in India (Swabhimaan): Protocol for a



- Prospective, Non-Randomised Controlled Evaluation” Swabhimaan Team and **L. K. Dwivedi**. *BMJ Open* 2019;9:e031632. doi: 10.1136/bmjopen-2019-031632, **2019**.
58. “Temporal Decomposition of Life Years Lived with Disability in India: A Growing Demographic Concern” K. Banerjee, S. Chanda and **L. K. Dwivedi**. *BMC Public Health*, 19: 966, doi: <https://doi.org/10.1186/s12889-019-7057-x>, **2019**.
59. "Trends, Patterns and Predictive Factors of Infant and Child Mortality in Well-performing and Underperforming States of India: A Secondary Analysis Using National Family Health Surveys" M. Bhatia, **L.K. Dwivedi**, M. Ranjan, P. Dixit and V. Putcha. *BMJ Open*, 9(3), e023875, doi: 10.1136/bmjopen-2018-023875, **2019**.
60. “Changes in Contraceptive Use and Method Mix in India: 1992–92 to 2015–16” M.R. Pradhan and **L.K. Dwivedi**. *Sexual & Reproductive Health Care*, Vol.19, doi: [10.1016/j.srhc.2018.12.006](https://doi.org/10.1016/j.srhc.2018.12.006), **2019**, 56-63 pp.
61. "Spatial Pattern of Neonatal Mortality in Nine High-Focus States, India" R. Mishra and **L.K. Dwivedi**. *International Journal of Research and Analytical Reviews*, 6(1), **2019**. 373–380pp.
62. "Death Clustering in India: Levels, Trends, and Differentials, 1992–2016". M. Ranjan and **L.K. Dwivedi**. *Indian J Child Health*, 6(4), doi: <https://doi.org/10.32677/IJCH.2019.v06.i04.006>, **2019**. 165-172pp.
63. “Sibling Death Clustering among the Tribes of Central and Eastern India: An Application of Random Effects Dynamic Probit Model” **L. K. Dwivedi** & Mukesh Ranjan. In C. H. Skiadas and C. Skiadas (Eds.) *Demography and Health Issues: Population Aging, Mortality and Data Analysis*. Series Editor Kenneth C. Land, *Duke University, USA. The Springer Series on Demographic Methods and Population Analysis*. Vol. 46, doi: [https://doi.org/10.1007/978-3-319-76002-5\\_28](https://doi.org/10.1007/978-3-319-76002-5_28), **2018**, 337-355 pp.
64. “Child Health and Unhealthy Sanitary Practices in India: Evidence from Recent Round of National Family Health Survey-IV” **L. K. Dwivedi**, K. Banerjee, N. Jain, M. Ranjan and P. Dixit. *SSM - Population Health*, doi: <https://doi.org/10.1016/j.ssmph.2018.10.013>, **2018**.
65. “The Role of Breastfeeding Vis-À-Vis Contraceptive Use on Birth Spacing in India: A Regional Analysis” **L.K. Dwivedi**. *Statistics in Transition new series*. Vol. 19 (3), doi: [10.21307/stattrans-2018-023](https://doi.org/10.21307/stattrans-2018-023), **2018**, 407-431 pp.
66. “Mind the Gap: Temporal Trends in Inequalities in Infant and Child Mortality in India (1992–2016)” M. Bhatia, M. Ranjan, P. Dixit and **L.K. Dwivedi**. *SSM - Population Health*, vol.5, doi: [10.1016/j.ssmph.2018.05.001](https://doi.org/10.1016/j.ssmph.2018.05.001), **2018**, 201-209 pp.
67. “Impact Evaluation of Integrated Child Development Services in Rural India: Propensity Score Matching Analysis”, P. Dixit, A. Gupta, **L. K. Dwivedi** and D. Coomar *SAGE Open*, Vol. 7 (3), doi: <https://doi.org/10.1177/2158244018785713>, **2018**.
68. “Long Working hours and the Risk of Chronic Diseases in India”, A. Pal, **L. K. Dwivedi** and D. Kumari, *Social Change*, Vol. 48 (1), doi: <https://doi.org/10.1177/0049085717743839>, **2018**, 72-84 pp.

69. "Impact of Proxy Response on Health Reporting among the Elderly in India" K. Banerjee and **L. K. Dwivedi**. Social Development Issues, Vol.40 (1), doi:10.1186/s13006-018-0162-0, **2018**, 17-32 pp.
70. "Impact of Timing of Breastfeeding Initiation on Neonatal Mortality in India" D. Phukan, M. Ranjan, and **L. K. Dwivedi**. International Breastfeeding Journal, 13, 27, doi:10.1186/s13006-018-0162-0, **2018**.
71. "Infant Mortality among Tribes Population in India: Regional Analysis from Multiple Surveys" M. Ranjan, **L. K. Dwivedi** and Brajesh. Studies of Tribes and Tribals, Vol 16(1), **2018**. 11-23pp.
72. "Issues and Challenges in Estimating Catastrophic Health Spending in India" S. K. Mohanty, A. Kastor and **L.K Dwivedi**. SARVEKSHANA, Vol. XXXIII (3 & 4), Dept. of Statistics, Ministry of Planning, Government of India, New Delhi, **2018**.
73. "Role of Maternal and Child Health Care Services on Postpartum Contraceptive adoption in India" P. Dixit, **L. K. Dwivedi** and A. Gupta. SAGE Open, doi: 10.1177/2158244017733515 journals.sagepub.com/home/sgo, **2017**.
74. "Global, Regional, and National Under-5 Mortality, Adult Mortality, Age-Specific Mortality, and Life Expectancy, 1970–2016: A Systematic Analysis for the Global Burden of Disease Study 2016" GBD 2016 Mortality Collaborators and **L. K. Dwivedi**. Lancet Vol. 390, doi: [https://doi.org/10.1016/S0140-6736\(17\)31833-0](https://doi.org/10.1016/S0140-6736(17)31833-0), **2017**, 1084–1150 pp.
75. "Evidences of Reporting Heterogeneity among the Senior Citizens of India" K. Banerjee and **L.K. Dwivedi**. Demography India. Vol. 44 (1&2), **2015 (published in 2017)**, 96-110 pp.
76. "Dimensions of Antenatal Care Service and the Alacrity of Mothers towards Institutional Delivery in South and South East Asia" P. Dixit, J. Khan, **L. K. Dwivedi** and A. Gupta. PLoS ONE. Vol.12 (7), e0181793, doi:<https://doi.org/10.1371/journal.pone.0181793>, **2017**.
77. "Impact of Health Insurance on Out-of-Pocket Health Expenditure among Inpatients in India" R. Ghosh and **L. K. Dwivedi**. RGUHS National Journal of Public Health. Vol.2 (2), **April-June 2017**, 18-26 pp.
78. "Caste Differentials in Death Clustering in Central and Eastern Indian States" M. Ranjan, **L. K. Dwivedi** and R. Mishra. Journal of Biosocial Science. Vol.50 (2), doi: <https://doi.org/10.1017/S0021932017000219>, **2018**, 254-274 pp.
79. "National Family Health Survey-4 (2015-16)" F. Ram, B. Paswan, S.K. Singh, H. Lhungdim, C. Sekhar, A. Singh, D. W. Bansod, M. Alagarajan, **L.K. Dwivedi**, S. Pedgaonkar, M.R. Pradhan and F. Arnold. Economic & Political Weekly. Vol. 52(16), 27 April **2017**, 66-70 pp.
80. "Utilization of Institutional Delivery Services across Successive Births in India" P. Dixit and **L.K. Dwivedi**. International Journal of Population Studies. Vol. 2 (2), doi: <http://dx.doi.org/10.18063/IJPS.2016.02.006>, **2017**, 26-43 pp.

81. "Infant mortality differentials among the tribal and non-tribal populations of Central and Eastern India" M. Ranjan, **L. K. Dwivedi**, R. Mishra and Brajesh. International Journal of Population Studies. Vol. 2 (2), doi: <http://dx.doi.org/10.18063/IJPS.2016.02.004>, **2017**, 123-138 pp.
82. "Association between Maternal Health Status and Birth Weight of Children among Young Mothers of India using Missing Case Analysis" T. Dutta and **L.K. Dwivedi**. Social Science Spectrum. Vol. 2 (3), **2016**, 171-182 pp.
83. "The Burden of Infectious and Cardiovascular Diseases in India from 2004 to 2014" K. Banerjee and **L.K. Dwivedi**. Epidemiology and Health. Vol. 38, Article ID: e2016057, doi: <https://doi.org/10.4178/epih.e2016057>, **2016**..
84. "Demographic and Health Trends in India (2005-06—2015-16): Results from Phase-1 of NFHS-4" F. Ram, B. Paswan, S.K. Singh, H. Lhungdim, C. Sekhar, A. Singh, D. W. Bansod, M. Alagarajan, **L.K. Dwivedi**, S. Pedgaonkar, M.R. Pradhan, F. Arnold and B. Zachary. Economic & Political Weekly. Vol. 51(14), 02 April **2016**, 79-83 pp.
85. "Missing age of Population in Indian Censuses during the Last 50 Years: Prevalence, Trend and Differentials" S. Unisa, **L.K. Dwivedi**, R.S. Reshmi and K. Kumar. Social Science Spectrum. Vol. 1 (1), **2015**, 8-19 pp.
86. "Nutritional Status of Children Under Five Years in Maharashtra: Evidence from a Large Scale Cross-sectional Study" V. Gowri, S. Rastogi and **L.K. Dwivedi**. The Indian Journal of Social Work. Vol. 76 (2), **2015**, 245-260 pp.
87. "Women's Empowerment and Domestic Violence: Findings from 17 States/UTs Surveyed in Phase 1 of NFHS-4 (2015-16)" **L. K. Dwivedi**, F. Ram, S.K. Singh, H. Lhungdim, M. R. Pradhan, and B. Zachary. Demography India. Vol. 43 (1&2), **2014**, 63-69 pp.
88. "Nutrition and Health among Children in India: Evidence from NFHS-4" S. K. Singh, M. Alagarajan, A. Singh, **L.K. Dwivedi**, S. Pedgaonkar and B. Zachary. Demography India. Vol. 43 (1&2), **2014**, 41-52 pp.
89. "Non-communicable diseases and associated risk factors in 17 states/UTs in India" A. Singh, S. Pedgaonkar, D.W. Bansod, **L.K. Dwivedi**, M. R. Pradhan and F. Arnold. Demography India. Vol. 43 (1&2), **2014**, 31-40 pp.
90. "Child Nutritional Status in Metropolitan Cities of India: Does Maternal Employment Matter?" S. Rastogi and **L.K. Dwivedi**. Social Change. Vol. 44 (3), doi:<https://doi.org/10.1177/0049085714536799>, **2014**, 355-370 pp.
91. "Newborn Care Practices: A Case Study of Tribal Women, Gujarat" B. D. Shah and **L.K. Dwivedi**. Health. Vol.5 (8A4), doi:10.4236/health.2013.58A4005, **2013**, 29-40 pp.
92. "Breast-feeding beyond Infancy and Child Nutritional Status in India and its Regions" **L.K. Dwivedi**. Population Review. Vol. 52 (2), doi: [10.1353/prv.2013.0009](https://doi.org/10.1353/prv.2013.0009), **2013**, 1-18 pp.

93. "Maternal Nutritional Status and Lactational Amenorrhea in India: A Simulation Analysis" **L.K. Dwivedi**. Statistics in Transition new series. Vol. 14 (1), **2013**, 107-128 pp.
94. "Strategies to Improve Child Immunization via Antenatal Care Visits in India: A Propensity Score Matching Analysis" P. Dixit, **L.K. Dwivedi** and F. Ram. PLoS ONE. Vol. 8 (6), e66175, doi: <https://doi:10.1371/journal.pone.0066175>, **2013**.
95. "Estimating the Impact of Antenatal Care Visits on Institutional Delivery in India: A Propensity Score Matching Analysis" P. Dixit, **L.K. Dwivedi** and F. Ram. Health. Vol. 5 (5), doi:10.4236/health.2013.55114, **2013**, 862-878 pp.
96. "Determinants of Unwanted Pregnancies in India Using Matched Case-Control Designs" P. Dixit, F. Ram and **L.K. Dwivedi**. BMC Pregnancy and Childbirth. **12**: 84, doi: 10.1186/1471-2393-12-84, **2012**.
97. "Relationship Between Breastfeeding and Postpartum Amenorrhea among Indian Women: An Epidemiological Appraisal" **L.K. Dwivedi** and P. Dixit. African Journal of Basic & Applied Sciences. Vol 4 (2). doi: 10.5829/idosi.ajbas.2012.4.2.2720, **2012**, 30-37 pp.
98. "Causes of Neonatal Deaths among Tribal Women in Gujarat, India" B. D. Shah and **L.K. Dwivedi**. Population Research and Policy Review. Vol 30 (4), doi:<https://doi.org/10.1007/s11113-010-9199-5>, **2011**, 517-536 pp.
99. Impact of Community Level Socio-Economic Inequality on Maternal Nutritional Status in Rural India: A Regional Analysis" **L.K Dwivedi** and Arin Kar. Demography India. Vol 40 (1). **2011**, 175-190 pp.
100. Reproductive Morbidity among Tribal and Non-tribal Women in India: A Special Focus to Domestic Violence" R. Sogarwal and **L.K. Dwivedi**. Journal of Population & Social Studies. Vol 16 (2). **2008**, 35-49 pp.
101. "Understanding Contraceptive Adoption in India: Does Women's Autonomy Matter?" **L.K. Dwivedi** and R. Sogarwal. The Journal of Family Welfare. Vol. 54 (1). **2008**, 24-34 pp.
102. "An Approach to Understanding Change in Contraceptive Behaviour in India" **L.K. Dwivedi**, F. Ram and R. S. Reshmi. GENUS. Vol LXIII (3-4). **2007**, 19-54 pp.
103. "Understanding Contraception Use among Muslims of India, Pakistan and Bangladesh" U. Ram, **L.K. Dwivedi** and B. Goswami. Journal of Population & Social Studies. Vol 15 (2). **2007**, 101-130 pp.
104. "Immunization of Children in North-Eastern States of India" D. W. Bansod, **L.K. Dwivedi** and B. Paswan. Journal of Empirical Research in Social Science. Vol 2 (1-2). **2007**, 40-51 pp.
105. "Migration and Nutritional Status of Women in India" **L.K. Dwivedi**, Kaushlendra Kumar and R. Sogarwal. The Journal of Family Welfare. Vol. 53 (2). **2007**, 90-99 pp.

106. "Fertility Goals and Regulation Dynamics in Northeastern States of India: An Application of Supply-Demand Framework" C. Shekhar, **L.K. Dwivedi** and F. Ram. Journal of Empirical Research in Social Science. Vol 1 (2). **2006**, 12-33 pp.
107. "Tourism and Sexual Behavior: Experiences of Youths in Goa" U. Ram, R. Bhat and **L.K. Dwivedi**. The Journal of Family Welfare. Vol. 52 (2). **2006**, 59-72 pp.
108. "Reproductive Health Problems Among Urban Women: A Study of Four Metro Cities in India" R. Sogarwal, K. Gupta and **L.K. Dwivedi**. Health and Population: Perspective and Issues. Vol. 29 (3). **2006**, 116-128 pp.
109. "Contraceptive Use in India: A Multivariate Decomposition and Related Simulation Analysis" **L.K. Dwivedi**. Demography India. Vol 35 (2). **2006**, 291-302 pp.
110. "Importance of Community Level Effects in Explaining the Fertility of Rural India: A Comparative Study Under Multiple Linear and Multilevel Multiple Linear Regression Analysis" U. Ram and **L.K. Dwivedi**. Demography India. Vol 35 (2). **2006**, 263-279 pp.
111. "Multilevel Analysis of Unwanted Fertility in Uttar Pradesh" L.K. Dwivedi and F. Ram. Demography India. Vol 34 (2). **2005**, 241-258 pp.

## II. Chapters in the Edited Book

112. "Community and Household Well-being in the Municipal Corporations of Maharashtra", S. K Mohanty, A Nair, D. Deshmukh., R.B Bhagat, **L. K. Dwivedi**, J Jose and R Chandrasekhar IIPS Research Brief, Number 01, March, **2020**.
113. "Inequality in Childhood Stunting among the Bengali-Speaking Population in India and Bangladesh", K. Banerjee and **L. K. Dwivedi** Population Dynamics in Eastern India and Bangladesh: Demographic, Health and Developmental Issues, A. Chattopadhyay and S. Ghosh (eds.), Springer Nature Singapore Pte Ltd, 305-322 pp, **2020**.
114. "Access to Household Amenities and Assets in India: A Census Based Study" R.B. Bhagat, S. Sarode, **L. K. Dwivedi** and M. Kumar. IIPS Research Brief, Number 18, January, **2019**.
115. "Urbanisation, Size Class of Cities and Towns and Access to Basic Amenities in India" R.B. Bhagat, S. Sarode, **L. K. Dwivedi** and M. Kumar. Niti Mehta and Anita Arya (Eds.) Role of Public Policy in Development Process Emerging Socioeconomic Scenario in the Indian Economy, Academic Foundation, New Delhi, **2018**, 295-312 pp.
116. "Impact of Community Level Socioeconomic Inequality on Maternal Health" **L.K Dwivedi** and Arin Kar. S.C. Gulati (Eds.) Population, Health and Human Resources in India's Development, Academic Foundation in association with the Institute of Economic Growth, New Delhi, India, **2011**, 429-445 pp.
117. "Role of Antenatal Care in Utilizing Maternal Health Care Services in Maharashtra" **L.K. Dwivedi** and R.S. Reshmi. K. K. Singh, R. C. Yadava and Arvind

Pandey (Eds.) Population, Poverty & Health, Hindustan Publishing Corporation (India), New Delhi, India, **2009**, 207-216 pp.

118. "Change and Determinants of Contraceptive Use in Uttar Pradesh" **L.K. Dwivedi** and F. Ram. Arvind Pandey (Eds.) Biostatistical Aspects of Health and Population, Hindustan Publishing Corporation (India), New Delhi, India, **2006**, 270-279 pp.
119. "A Study of Child Loss among Women in Northeastern States of India" R. Singh, **L.K. Dwivedi** and S. Lahiri. Manju Pandey (Eds.) Statistical Advances in Biosciences and Bioinformatics Allied Publishers Pvt. Limited, New Delhi, India, **2006**, 227-238 pp.
120. Book Review "Looking Back, Looking Forward: A Profile of Sexual and Reproductive Health in India." **L.K. Dwivedi** and N. R. Mishra. The Indian Journal of Social Work. Special Issue: Sexuality in India (Part-II) Vol 66 (4). **2005**, 563-566 pp.
121. "Application of Statistical Methods" **L.K. Dwivedi**. Seminar on Information Communication Technologies in Research Methodology. Mumbai, India, **2005**, 5-7 pp.
122. "Utilisation of Reproductive Health Services: A Study of Adolescent Mothers in South India" A. Ghosh, L. Ladusingh, L.K. Dwivedi, B. Prasad and B. Peter. Women, Health and Development Sri Venkateswara University, Tirupati, India, 2004, 122-135 pp.

## II. Edited Book

1. Population, Environment and Health (Book) S Unisa, T.V. Sekher, C. Shekhar, A. Singh, **L.K. Dwivedi** and M.R. Pradhan (Eds). Rawat Publications, **2016**.

## MAJOR RESEARCH PROJECTS AS A PRINCIPAL INVESTIGATOR (PI)/Co-PI

- National Family Health Survey (NFHS-6) 2021 onwards funded by Ministry of Health and Family Welfare, Government of India, India (**On going-PI**).
- Exemplars in Maternal & New born Mortality Reduction in India 2023 onwards funded by India Health Action Trust (IHAT), India and University of Manitoba, Manitoba, Canada (**On going-PI**).
- Estimation of Child Mortality and Immunization Coverage at District Level in India: An Application of Small Area Estimation Techniques, funded by IIPS, Mumbai, 2021 onwards (**On-going-PI**).
- Longitudinal Survey of Maternal and Infant Nutrition in Maharashtra, funded by IIPS, Mumbai, 2020 onwards (**On-going-PI**).
- Tracking Progress of the POSHAN Abhiyaan, International Food Policy Research Institute (IFPRI), Washington, D.C., USA 2022 onwards (**On-going-PI**).
- Demographic and Health Surveys and its Quality in India: A Programme to Develop Survey Research 2020-22 onwards funded by Population Council, New Delhi (**Completed-PI**).



- Burden of Disease and Deprivation in India across Micro and Macro Public Policy Units, Harvard Center for Population and Development Studies, Harvard University, USA, 2020-22 onwards **(Completed-PI)**.
- National Family Health Survey (NFHS-5) 2016-2022 funded by Ministry of Health and Family Welfare, Government of India, India **(Completed-PI)**.
- National Family Health Survey (NFHS-4) 2013-17 funded by Ministry of Health and Family Welfare, Government of India, DFID, USAID, UNFPA, UNICEF, Bill and Milinda Gates Foundation and McArthur Foundation **(Completed-PI)**.
- Demographic and Health Aspects in India: A District Level Analysis based on NFHS 2020 funded by UNFPA New Delhi **(Completed-PI)**.
- Geo-Spatial Mapping at Village and Ward Level in Uttar Pradesh, 2018-2022 funded by IIPS, Mumbai **(Completed-PI)**.
- Development of a Comprehensive Report on Sexual and Reproductive Aspects of Youth in India based on data from the National Family Health Surveys, 2019-2020 funded by UNFPA New Delhi **(Completed-PI)**.
- Tele-SWABHIMAAN Women's Nutrition Demonstration Programme in TELANGANA (2021-2025) funded by UNICEF, New Delhi **(Completed - Co-PI)**.
- Multidimensional Poverty in Urban Maharashtra 2019-2020 funded by UNFPA, Mumbai **(Completed-Co-PI)**.
- Changes in the Household Amenities and Assets in India: A Census Based Study 2014-16 funded by IIPS, Mumbai **(Completed- Co-PI)**.
- Midline Rapid Assessment of SWABHIMAAN Women's Nutrition Demonstration in Phase 1 States (Bihar, Chhattisgarh and Odisha) 2018-2020 funded by UNICEF, New Delhi **(Completed- Co-PI)**.
- Endline Rapid Assessment of SWABHIMAAN Women's Nutrition Demonstration in Phase 1 States (Bihar, Chhattisgarh and Odisha) 2020-21 funded by UNICEF, New Delhi **(Completed- Co-PI)**.
- Effectiveness of Integrated Child Development Schemes on Nutritional Status of Children of Rural Uttar Pradesh: A District Wise Analysis, 2021-22 funded by National Institute of Rural Development and Panchayati Raj (NIRD&PR), Hyderabad **(Completed- Co-PI)**.
- Patterns in Covid-19 Infection, Comorbidity Effect, and Clinical Outcomes in a Community in Mumbai City with BARC team, 2020-21 **(Completed- Co-PI)**.

## RESEARCH REPORTS

1. "Effectiveness of Integrated Child Development Schemes on Nutritional Status of Children of Rural Uttar Pradesh: A District Wise Analysis, 2021-22" L. Singh and **L. K. Dwivedi**. Hyderabad: National Institute of Rural Development and Panchayati Raj (NIRD&PR), Hyderabad. **2023**.

2. "National Family Health Survey (NFHS-5), 2019-21: **India**" **L. K. Dwivedi** and NFHS-5 team. Mumbai: IIPS. **2022**.
3. "National Family Health Survey (NFHS-5), 2019-21: **India: Volume II**" Mumbai: IIPS." **L. K. Dwivedi** and NFHS-5 team. Mumbai: IIPS. **2022**.
4. "A Review of NFHS in Providing District Level Evidences for the Government Flagship Programmes" **L.K. Dwivedi**, P. Dhillon, K.S. James and S. Kumar. International Institute for Population Sciences (IIPS) and United Nations Population Fund (UNFPA). Mumbai: IIPS, **2021**.
5. "Assessing Urban Vulnerabilities in Maharashtra" Sanjay K. Mohanty, R. B. Bhagat, **L. K. Dwivedi**, Santosh Sharma, Joemet Jose, Anuradha Nair and Rajeshwari Chandrasekar. International Institute for Population Sciences (IIPS), UNICEF and Govt. of Maharashtra. Mumbai: IIPS, **2021**.
6. "National Family Health Survey (NFHS-5), 2019-21: **Assam**" H. Lhungdim, S. Pedgaonkar, **L. K. Dwivedi** and K.P. Singha. Mumbai: IIPS. **2021**.
7. "National Family Health Survey (NFHS-5), 2019-21: **Andhra Pradesh**" **L. K. Dwivedi**, H. Lhungdim, C. Shekhar and P. Chaudhary. Mumbai: IIPS. **2021**.
8. "National Family Health Survey (NFHS-5), 2019-21: **Bihar**" S.K. Singh, **L. K. Dwivedi**, C. Shekhar and Brajesh. Mumbai: IIPS. **2021**.
9. "National Family Health Survey (NFHS-5), 2019-21: **Gujarat**" S.K. Singh, C. Shekhar, **L. K. Dwivedi** and S. Srivastava. Mumbai: IIPS. **2021**.
10. "National Family Health Survey (NFHS-5), 2019-21: **Kerala**" K.S. James, S.K. Singh, **L. K. Dwivedi** and Y. Vaidehi. Mumbai: IIPS. **2021**.
11. "National Family Health Survey (NFHS-5), 2019-21: **Maharashtra**" S.K. Singh, H. Lhungdim, C. Shekhar, F. Arnold, **L.K. Dwivedi**, S. Pedgaonkar and Y. Vaidehi. Mumbai: IIPS. **2021**.
12. "National Family Health Survey (NFHS-5), 2019-21: **Meghalaya**" S. Pedgaonkar, H. Lhungdim, **L. K. Dwivedi** and N. K. Singh. Mumbai: IIPS. **2021**.
13. "National Family Health Survey (NFHS-5), 2019-21: **Mizoram**" **L.K. Dwivedi**, H. Lhungdim, S. Pedgaonkar and M. Bharambe. Mumbai: IIPS. **2021**.
14. "National Family Health Survey (NFHS-5), 2019-21: **Nagaland**" H. Lhungdim, **L.K. Dwivedi**, S. K. Singh and D. B. Kale. Mumbai: IIPS. **2021**.
15. "National Family Health Survey (NFHS-5), 2019-21: **Sikkim**" **L.K. Dwivedi**, S. Pedgaonkar, H. Lhungdim and A. N. Wankhede. Mumbai: IIPS. **2021**.
16. "National Family Health Survey (NFHS-5), 2019-21: **Tripura**" C. Shekhar, **L.K. Dwivedi**, S.K. Singh and A. N. Wankhede. Mumbai: IIPS. **2021**.
17. "National Family Health Survey (NFHS-5), 2019-21: **Telangana**" C. Shekhar, **L.K. Dwivedi**, S. Pedgaonkar and P. Kumar. Mumbai: IIPS. **2021**.
18. "National Family Health Survey (NFHS-5), 2019-21: **Arunachal Pradesh**" H. Lhungdim, S. Pedgaonkar, **L.K. Dwivedi**, N. K. Singh and K.P. Singha. Mumbai: IIPS. **2021**.

19. "National Family Health Survey (NFHS-5), 2019-21: **Chhattisgarh**" S.K. Singh, **L.K. Dwivedi**, H. Lhungdim, A.N. Wankhede and J. Gupta. Mumbai: IIPS. **2021**.
20. "National Family Health Survey (NFHS-5), 2019-21: **Madhya Pradesh**" **L.K. Dwivedi**, C. Shekhar, S.K. Singh, Y. Vaidehi and Brajesh. Mumbai: IIPS. **2021**.
21. "National Family Health Survey (NFHS-5), 2019-21: **Odisha**" **L.K. Dwivedi**, S.K. Singh, S. Pedgaonkar, A.N. Wankhede and N. Brahmanandam. Mumbai: IIPS. **2021**.
22. "National Family Health Survey (NFHS-5), 2019-21: **Rajasthan**" S. Pedgaonkar, **L.K. Dwivedi**, C. Shekhar, D.B. Kale and P. Chaudhary. Mumbai: IIPS. **2021**.
23. "National Family Health Survey (NFHS-5), 2019-21: **Tamil Nadu**" S.K. Singh, H. Lhungdim, C. Shekhar, F. Arnold, **L.K. Dwivedi**, S. Pedgaonkar, Y. Vaidehi and S.K. Saroj. Mumbai: IIPS. **2021**.
24. "National Family Health Survey (NFHS-5), 2019-21: **Uttar Pradesh**" S.K. Singh, C. Shekhar, **L.K. Dwivedi**, D. B. Kale and S. Srivastava. Mumbai: IIPS. **2021**.
25. "Youth in India: An NFHS Based Study" **L.K. Dwivedi**, P. Dhillon, K.S. James, S. Kumar and S. Boyle. International Institute for Population Sciences (IIPS) and United Nations Population Fund (UNFPA). Mumbai: IIPS, **2020**.
26. "National Family Health Survey (NFHS-4), 2015-16: **India**" **L. K. Dwivedi** and NFHS-4 team. Mumbai: IIPS. **2018**.
27. "Evaluation of Vaccination Coverage Gujarat 2018" TAC Members and **L. K. Dwivedi**. Health & Family Welfare Department, Govt. of Gujarat, Gujarat. **2018**.
28. "National Family Health Survey (NFHS-4), 2015-16: **Rajasthan**" **L. K. Dwivedi**, A. Singh, D.W. Bansod and L. Ortiz. Mumbai: IIPS. **2017**.
29. "National Family Health Survey (NFHS-4), 2015-16: **Jharkhand**" **L. K. Dwivedi**, S. Pedgaonkar, H. Lhungdim and S. Kishor. Mumbai: IIPS. **2017**.
30. "National Family Health Survey (NFHS-4), 2015-16: **Nagaland**" **L.K. Dwivedi**, H. Lhungdim, M.R. Pradhan and F. Arnold. Mumbai: IIPS. **2017**.
31. "National Family Health Survey (NFHS-4), 2015-16: **Andhra Pradesh**" S. Pedgaonkar, A. Singh, **L. K. Dwivedi** and A. Cross. Mumbai: IIPS. **2017**.
32. "National Family Health Survey (NFHS-4), 2015-16: **Assam**" H. Lhungdim, M.R. Pradhan, **L. K. Dwivedi** and A. Izmukhambetov. Mumbai: IIPS. **2017**.
33. "National Family Health Survey (NFHS-4), 2015-16: **Haryana**" A. Singh, **L K Dwivedi**, S.K. Singh and F. Arnold. Mumbai: IIPS. **2017**.
34. "National Family Health Survey (NFHS-4), 2015-16: **Madhya Pradesh**" C. Shekhar, **L. K. Dwivedi**, B. Paswan and A. Cross. Mumbai: IIPS. **2017**.
35. "National Family Health Survey (NFHS-4), 2015-16: **Meghalaya**" H. Lhungdim, S.K. Singh, **L. K. Dwivedi** and F. Arnold. Mumbai: IIPS. **2017**.
36. "National Family Health Survey (NFHS-4), 2015-16: **Odisha**" M.R. Pradhan, **L. K. Dwivedi**, D. W. Bansod and F. Arnold. Mumbai: IIPS. **2017**.

**POLICY BRIEFS**

1. “Tracking Anemia and its Determinants from 2015-16 to 2019-21 in India”. S. Gune, A. Christopher, P.H. Nguyen, P. Menon, W. Joe, S.K. Singh, **L.K. Dwivedi**, S. Pedgaonkar, P. Puri, A. Chauhan, K. Yadav, S. Chamois and S. Scott. POSHAN Data Note No. 93. New Delhi, India: International Food Policy Research Institute, **2023**.
2. “Coverage of Nutrition and Health Interventions in INDIA: Insights from the National Family Health Surveys”. A. Christopher, S. Gune, R. Avula, P.H. Nguyen, S.K. Singh, **L.K. Dwivedi**, S. Pedgaonkar, P. Puri, A. Chauhan, A. Laxmaiah, S. Chamois, and P. Menon. POSHAN Data Note No. 94. New Delhi, India: International Food Policy Research Institute, **2023**.
3. “How is India Doing on Malnutrition and Non-Communicable Diseases? Insights from the National Family Health Surveys (2005-06 to 2019-21)”. R. Kapoor, N. Singh, P. Menon, S.K. Singh, **L.K. Dwivedi**, S. Pedgaonkar, P. Puri, A. Chauhan, S. Khandelwal, S. Chamois and P.H. Nguyen. POSHAN Data Note No. 92. New Delhi, India: International Food Policy Research Institute, **2023**.
4. “Trends and Patterns in Consumption of Foods among Indian Adults: Insights from National Family Health Surveys, 2005-06 to 2019-21”. S. Patwardhan, R. Kapoor, S. Scott, P.H. Nguyen, S. Chamois, S.K. Singh, **L.K. Dwivedi**, S. Pedgaonkar, P. Puri, A. Chauhan, A. Laxmaiah, and P. Menon. POSHAN Data Note 91. New Delhi, India: International Food Policy Research Institute, **2022**.
5. “Geographic Insights Lab. Anemia Mukht Bharat - Insights from Ranking of Key Performance Indicators, NFHS 2015–16 and NFHS 2019–21” India Policy Insights Policy Brief #01, July/2022. Cambridge, MA: Geographic Insights Lab, Harvard University. <https://doi.org/10.7910/DVN/NEMMUL>. **2022**.
6. “Geographic Insights Lab. Beti Bachao Beti Padhao - Insights from Ranking of Key Performance Indicators, NFHS 2015–16 and NFHS 2019–21” India Policy Insights Policy Brief #02, July/2022. Cambridge, MA: Geographic Insights Lab, Harvard University. <https://doi.org/10.7910/DVN/NEMMUL>, **2022**.
7. “Geographic Insights Lab. Intensified Mission Indradhanush - Insights from Ranking of Key Performance Indicators, NFHS 2015–16 and NFHS 2019–21” India Policy Insights Policy Brief #03, July/2022. Cambridge, MA: Geographic Insights Lab, Harvard University. <https://doi.org/10.7910/DVN/NEMMUL>, **2022**.
8. “Geographic Insights Lab. POSHAN Abhiyaan - Insights from Ranking of Key Performance Indicators, NFHS 2015–16 and NFHS 2019–21” India Policy Insights Policy Brief #04, July/2022. Cambridge, MA: Geographic Insights Lab, Harvard University. <https://doi.org/10.7910/DVN/NEMMUL>, **2022**.
9. “Geographic Insights Lab. Pradhan Mantri Matru Vandana Yojana-Insights from Ranking of Key Performance Indicators, NFHS 2015–16 and NFHS 2019–21” India Policy Insights Policy Brief #05, July/2022. Cambridge, MA: Geographic Insights Lab, Harvard University. <https://doi.org/10.7910/DVN/NEMMUL>, **2022**.

**EDITOR OF THE RESEARCH ARTICLES**

1. Thangaraj JWV, Prospero C, Kumar MS, Hasan AZ, Kumar VS, Winter AK, et al. (2024) Post-campaign coverage evaluation of a measles and rubella supplementary immunization activity in five districts in India, 2019–2020. PLoS ONE 19(3): e0297385. <https://doi.org/10.1371/journal.pone.0297385>, 2024.

**WORKSHOP ORGANIZED/ATTENDED/COMMITTEE MEMBERS/TALK/CONFERENCES ATTENDED**

- Organized and Resource Persons of Several Workshops in the field of Survey Research like “Hands-on Training Programme on “The Survey Methods and Estimation in NFHS”; NFHS-5: Sampling and Data Analysis; Workshop on Sampling Methods in Population and Health Research: Types, Techniques, Examples; Introduction to Python Programming; Faculty Development Program and Workshop on Design and Analysis of National Family Health Survey for Govt. Officials, MoHFW, Govt. of India; Staff for Population Research Centre, Faculties and Students of Department of Demography, University of Kerala, Thiruvananthapuram; Faculties and Students of SRM School of Public Health, SRMIST, Chennai; Scientists of Regional Medical Research Centre, ICMR, Bhubaneswar during academic year 2022-23.
- Participated in the Summer Seminar on “28<sup>th</sup> International Summer School of Epidemiology”, organized by Ulm University, Germany in collaboration with the UNC Gilligs School of Global Public Health in Chaper Hill, North Carolina, USA, during 24-28 July, 2017.
- Participated in the Summer Seminar on “Understanding Fertility Change in Asia: Design and Analysis of Longitudinal Surveys” organized by East-West Center, Honolulu, Hawaii, U.S.A., during June 2-July 2, 2009.
- Organized national conferences and workshops on Large-scale Surveys/ Application of Statistical Techniques.
- Organized Workshop on Applied Econometrics Methods.
- Delivered talks in the different Universities/Govt. Organizations/MoHFW, New Delhi/UNICEF/MoHFW, Gujarat/WCD, Odisha. Plenary Speakers/Papers presented in the conferences organized by PAA, IUSSP, APA, IASP, IIPS etc. Professional Memberships of Various Organizations. TAC member of Gujarat Health Survey, 2018.

**➤ MAJOR TASKS COMPLETED IN NATIONAL FAMILY HEALTH SURVEYS**

- Carried out computation of sample size, designing the survey, computation of survey weight and standard error for selected demographic and health indicators in the **Fourth, Fifth and Sixth Rounds of National Family Health Surveys**

**➤ CONSULTANCY/TECHNICAL ASSISTANCE PROVIDED**

- Involved in designing and survey weight computation of the surveys like DASRA Adolescents Study, PMA2020, Household Out-of-Pocket Expenditure Survey in

Rajasthan etc. Developed the Quality Assurance Protocols for Health and Demographic Surveys

#### ➤ PROFESSIONAL MEMBERSHIPS

- Life member of the Indian Association for the Study of Population (IASP) since 2004.
- Life member of the Indian Society for Medical Statistics (ISMS) since 2003.
- Member of the International Union for the Scientific Study of Population (IUSSP) since 2004.
- Member of the Population Association of America (PAA), 2007-09, 2015-16, 2018-19.
- Member of the Asian Population Association (APA) Since 2008.
- Academic Editor: PLoS ONE Journal, The Public Library of Science (PLOS) since 2022.
- Associate Editor: Reproductive Health Journal, BMC Part of Springer Nature since 2022.

#### REFERENCES

##### 1. Prof. F. Ram

Ex-Director & Sr. Professor  
International Institute for Population Sciences  
Govandi Station Road, Deonar, Mumbai- 400 088, India  
E-mail: framusha@gmail.com

##### 2. Prof. T. K. Roy

Ex-Director & Sr. Professor  
International Institute for Population Sciences,  
Govandi Station Road, Deonar, Mumbai- 400 088, India  
E-mail: tarunkroy@yahoo.com

#### PERSONAL INFORMATION

**MARITAL STATUS:** Married

**NATIONALITY:** Indian

**ADDRESS FOR CORRESPONDENCE:** Dr. L. K. Dwivedi  
Type-III QTRS, Govandi Station Road  
Deonar, Mumbai, Maharashtra-400088.

**(LAXMI KANT DWIVEDI)**