

Preeti Dhillon, M.Sc. (Mathematics), M.Phil. & PhD (Population Studies)

Assistant Professor

Department of Survey Research and Data Analytics

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Summary of Skills and Qualifications

- More than 10 years of experience in research on Projections, Forecasting, Survey Research Methods, Impact evaluation, Adolescents and youth, nutrition, and Population ageing
- **Published Articles in Peer reviewed Journals: 42; Book Chapters: 3; Working papers: 5, under review:7**
- Associated as a reviewer for several peer reviewed Journals and editorial member of BMC Women's Health.
- **Projects as PI/Co-PI:** Major Projects Completed 4, Ongoing 3
- More than 5 years of experience of teaching masters courses: Statistical Methods in Population Studies, Advanced Statistical and Computer Applications, Sampling Techniques in Health & Demographic Surveys, Advanced statistical Packages and application in Large Scale Data, Demographic Models and Indirect Methods of Estimation, Monitoring & Evaluation, Epidemiological Methods, Survival Analysis.
- **Supervised students research:** PhD (3 enrolled, 2 submitted, 1 awarded), M.Phil. (6 completed), (Master's dissertation/term paper: 25 completed)
- Proficient in Large scale survey data handling, statistical analysis package STATA, R.
- Organized and resource person in various training Programmes and Seminars
- Language Proficiency: English and Hindi

Employment History

Assistant Professor , Dept. of Survey Research and Data Analytics, Department of Mathematical Demography & Statistics International Institute for Population Sciences (IIPS), Mumbai, India	10/2021 to present 10/2015 to 2021
Technical Specialist , International Center for Research on Women -Asia Regional Office- (ICRW), New Delhi- India	04/2015-09/2015
Monitoring and Evaluation Coordinator , Save the Children India, New Delhi	08/2014 - 03/2015
Consultant , United Nations Population Fund (UNFPA) at Delhi office- India	07/2012 -07/2014
Senior Research Officer/Research Officer, District Level Household Survey- Reproductive and Child Health Survey-3 project of IIPS, Mumbai	12/2007-12/2008

Educational qualifications

PhD. (Population Studies) from International Institute for Population Sciences, Mumbai	2013
MPhil. (Population Studies), International Institute for Population Sciences, Mumbai	2007
MSc. (Mathematics): M.J.P Rohilkhand University Bareilly, Uttar Pradesh, India	2006

Research Interest

Projections, Forecasting, Survey Research Methods, Impact evaluation, Adolescents and youth, Population Ageing, Nutrition, intergenerational transition, digital demography

Consultancy

UNFPA Asia Pacific Regional Office, UNFPA India Office, ImpactReady UK.

Editorial Board member

BMC Women's Health; BMC Supplements

Reviewer

PlosOne; Sexual and Reproductive Health Matters; Journal of Biosocial Science; Demography India; BMC Pregnancy and Childbirth, BMC Women's Health; BMC Health Services Research; SSM Population Health etc.

Publications in peer reviewed journals

- 46 Kundu S. and **Dhillon P.** Measuring old-age thresholds using quantity and quality of remaining life years: Application to India and selected states (accepted)
- 45 Maurya C., **Dhillon P.** Transition in social media use and psychological wellbeing from adolescence to early adulthood: Evidence from a cohort study in Uttar Pradesh and Bihar, India (under review)
- 44 Yadav R., Sil A., **Dhillon P.**, Pandey N. Barriers and Facilitating factors of Delaying First Pregnancy of Adolescents: Evidence from a Cohort Study (under review)
- 43 Ali B., **Dhillon P.** Cointegration and Causality between Fertility and Female Labor Force Participation in India: An ARDL bound test approach (Under review)
- 42 Purkayastha N., **Dhillon P.*** One-Person and One-Couple-Only Households in India: Trends, Prospects and Age Pattern (Under review)
- 41 Neeta Ghate, Pradeep Kumar, **Dhillon P.*** Socioeconomic Determinants of Smokeless Tobacco Use among Indian Women: An Analysis of Global Adult Tobacco Survey-2 (accepted)
- 40 Srivastava, S., Kumar, P., Rashmi, Paul R. and **Dhillon P.** Does substance use by family members and community affect the substance use among adolescent boys? Evidence from UDAYA study, India. *BMC Public Health* 21, 1896 (2021). <https://doi.org/10.1186/s12889-021-11911-5>
- 39 Yadav R., **Dhillon P.**, Kujur A., Patel S.K. Association between school dropouts, early marriages, childbearing, and mental health in early adulthood of women: Evidence from a cohort study in Bihar, India. *International Journal of Population Studies* Article ID: 1280 Vol 8, Issue 1, 2022
- 38 Kumar P, Srivastava S, Maurya C. **Dhillon P.*** Assessing the role of socio-demographic and maternal factors in increasing self-reported maternal complications in India, *BMC Pregnancy and Childbirth* 21, 519 (2021)

- 37 Arpan Sil, Apyayee Sil, **Preeti Dhillon**, Mithun Mog, Factors affecting External causes of deaths among adults (15–59 years) in South Indian states: A study using Bayesian model on National Family Health Survey-4 (2015–16) data, *Clinical Epidemiology and Global Health*, July 2021, <https://doi.org/10.1016/j.cegh.2021.100796>.
- 36 Kumar P, Srivastava S, Chauhan S, Patel R, Marbaniang SP, **Dhillon P** (2021) Factors associated with gynaecological morbidities and treatment-seeking behaviour among adolescent girls residing in Bihar and Uttar Pradesh, India. *PLoS ONE* 16(6): e0252521. <https://doi.org/10.1371/journal.pone.0252521>
- 35 Chauhan S, Kumar P, Marbaniang SP, Srivastava S, Patel R, **Dhillon P** (June 2021) Examining the predictors of use of sanitary napkins among adolescent girls: A multi-level approach. *PLoS ONE* 16(4): e0250788. <https://doi.org/10.1371/journal.pone.0250788>
- 34 Panda B.K., Mithun Mog, **Dhillon P.*** (2021) Double burden of malnutrition among adolescents in India, *Demography India*, 50(1):85-98.
- 33 Apyayee Sil, Arpan Sil and **Preeti Dhillon***. April 2021. Modelling determinants of deaths attributable to external causes among adults in India, *OMEGA-Journal of Death and Dying* <https://doi.org/10.1177/00302228211009736>
- 32 Onori, F., **Dhillon P.**, Dinachandra K., Jaleel A., Saraswat A., R.S R., Unisa S., Sethi V. 2021. An Adaptation of the Food Insecurity Experience Scale (FIES) for Measuring Food Insecurity Among Women in Socially- Backward Communities, *Asian Journal of Agriculture and Development*, Preprint, April 2021.
- 32 Patel R., Gupte S.S., Srivastava S. Kumar P., Chauhan S., Govindu M.D., **Dhillon P.** 2021. Experience of gender-based violence and its effect on depressive symptoms among Indian adolescent girls: Evidence from UDAYA survey. *PLoS ONE* March 25, 2021 <https://doi.org/10.1371/journal.pone.0248396>
- 31 Kumar P., Srivastava S., Chauhan S., Patel R., Marbaniang S.P., **Dhillon P.** Associated factors and socio-economic inequality in the prevalence of thinness and stunting among adolescent boys and girls in Uttar Pradesh and Bihar. February 24, 2021. <https://doi.org/10.1371/journal.pone.0247526>
- 30 Saikia B., Marbaniang S.P., Kumar P., **Dhillon P.** Changing pattern of tobacco consumption and quitting behavior in Northeastern states of India. *Journal of Substance Use*. <https://doi.org/10.1080/14659891.2021.1875068>, February 2021
- 29 Chauhan S., Srivastava S., Kumar P., Patel R., Muhammad T. & **Dhillon P.** Interaction of substance use with physical activity and its effect on depressive symptoms among adolescents, *Journal of Substance Use*, 2020. DOI: 10.1080/14659891.2020.1851411
- 28 Ishita Pal, Balhasan Ali, **Preeti Dhillon***, 2021. Neelanjana Pandey. Factors determining paid and unpaid work in young adults: Evidence from a cohort study in Bihar, India. *The Indian Journal of Labour Economics*, 64(1), 133-153, doi: 10.1007/s41027-020-00298-3
- 27 Kumar P., Srivastava S., Mishra P.S., Sinha D. and **Dhillon P.** Does depressive symptoms, physical inactivity and substance use catalyze the suicidal tendency among adolescents? Evidence from a cross-sectional study. *Children and Youth Services Review*. Volume 119, December 2020, 105661
- 26 Pradeep Kumar, **Preeti Dhillon**, Structural equation modelling on the relationship between maternal characteristics and pregnancy complications: A study based on Indian Demographic & Health Survey. *The Journal of Obstetrics and Gynaecology Research*. <https://doi.org/10.1111/jog.14566>
- 25 Srivastava S., Ramanathan M., **Dhillon P.**, Maurya C., Singh S.K. (2020) Gender Differentials in Prevalence of Loneliness among Older Adults in India: An analysis from WHO Study on global AGEing and Adult health, *Ageing International* <https://doi.org/10.1007/s12126-020-09394-7>.

- 24 Dwivedi L.K., Rai B., Shukla A., Sharma R., Dey T., Ram U., Shekhar C., Dhillon P., Yadav S., Unisa S. 2020 Assessing the Impact of Complete Lockdown on COVID-19 Infections in India and its Burden on Public Health Facilities. *Demography India* Vol 49 (SI: COVID-19 and Demographic Impact):37-50.
- 23 Yadav S., Yadav P.K., Kishore M., Unisa S., Shekhar C., Ram U., Dwivedi L.K., **Dhillon P.**, Yadav, N. Dey S. 2020. Basic Reproduction Rate and Case Fatality Rate of COVID-19: Application of Meta-analysis. *Demography India* Vol 49 (SI: COVID-19 and Demographic Impact) **76-97**.
- 22 **Preeti Dhillon** with Local Burden of Disease Diarrhoea Collaborators Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000–17. *The Lancet Global Health*. Vol 8 (8) 2020. Pages e1038-e1060
- 21 **Preeti Dhillon** with LBD Double Burden of Malnutrition Collaborators. 2020. Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017. *Nature medicine*. <https://doi.org/10.1038/s41591-020-0807-6>
- 20 **Preeti Dhillon** with Local Burden of Disease Diarrhoea Collaborators. 2020. Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000–17: analysis for the Global Burden of Disease Study 2017. *The Lancet*, [https://doi.org/10.1016/S0140-6736\(20\)30114-8](https://doi.org/10.1016/S0140-6736(20)30114-8).
- 19 Apyayee Sil, Dinabandhu Patra, **Preeti Dhillon***, Padmanesan Narasimhan. 2020. Coexistence of Diabetes and TB among adults in India: a study based on National Family Health Survey. *Journal of Biosocial Science*, 1-15. doi:10.1017/S0021932020000516.
- 18 **Preeti Dhillon***, Govind Singh, Faujdar Ram, Pradeep Kumar, Niranjana Saggurti. 2020. Increasing role of abstinence and infecundity in non-use of contraceptive methods in India. *Journal of Biosocial Science*. 1-16. doi:10.1017/S0021932020000115
- 17 Pradeep Kumar and **Preeti Dhillon**. 2020. Length of Stay after Childbirth in India: A comparative study of Public and Private Health Institution. *BMC Pregnancy & Childbirth* **20:181**. <https://doi.org/10.1186/s12884-020-2839-9>
- 16 Pradeep Kumar and **Preeti Dhillon**. 2020. Household- and community-level determinants of low-risk Caesarean deliveries among women in India, *Journal of Biosocial Science* DOI: <https://doi.org/10.1017/S0021932020000024>
- 15 Balhasan Ali, **Preeti Dhillon***, Sanjay K Mohanty (2019) Inequalities in the utilisation of maternal health care in pre and post National Health Mission period in India. *Journal of Biosocial Science*, <https://doi.org/10.1017/S0021932019000385>. Cambridge Core
- 14 Rupam Bharti, **Preeti Dhillon***, Pralip K Narzary. A spatial analysis of childhood stunting and its contextual correlates in India. *Clinical Epidemiology and Global Health*, Online first 12 April 2019. Elsevier (guide and corresponding author)
- 13 Koustav Ghosh, Preeti Dhillon*, Gopal Agrawal. (2019). Prevalence and detecting spatial clustering of diabetes at district level in India. *Journal of Public Health*, <https://doi.org/10.1007/s10389-019-01072-6>. Springer
- 12 Apyayee Sil and **Preeti Dhillon***. Intergenerational occupational mobility among men in India (accepted in edited book)
- 11 Laishram Ladusing, **Preeti Dhillon** and Pralip K Narzary. 2017. Why do the Youths in Northeast India use Tobacco? *Journal of Environmental and Public Health* doi.org/10.1155/2017/1391253
- 10 Saddaf N Akhtar and **Preeti Dhillon***. 2017. Prevalence of diagnosed diabetes and associated risk factors: Evidence from the large-scale surveys in India, *Journal of Social Health and Diabetes*, Vol. 5 (1): pp 28-36. Medknow Publications
- 9 Jaya Jaya, **Preeti Dhillon**, Sanjay Kumar and Deepti Mehrotra. 2016. Challenging gender stereotypes and gender based violence in schools: Evidence from Adolescence Education Programme in India, *Journal of Indian Education*, Vol 42(1), NCERT

- 8 **Preeti Dhillon*** and Laishram Ladusingh. 2016. Implications of age structural transition and longevity improvements on health care expenditure in India, in Hoque, N., Beverly P. and McGehee, M. A. (Eds.) *Applied Demography and Public Health in the 21st Century* Switzerland, Springer
- 7 **Preeti Dhillon**, Laishram Ladusingh and Gopal Agarwal. 2016. Ageing and Changing Patterns in Familial Structure for Older Persons in India: A decomposition analysis, *Quality of Ageing and Older Adults*, Vol. 17(2). Emerald
- 6 Diwakar Yadav and **Preeti Dhillon**. 2015. Assessing the Impact of Family Planning Advice during Maternal-Child Care Service Utilisation on Contraceptive Use in Rural Uttar Pradesh, India', *PLoS ONE*, 10(3): doi: e0118584. <https://doi.org/10.1371/journal.pone.0118584>
- 5 **Preeti Dhillon*** and Laishram Ladusingh. 2013. Working life gain from gain in old age life expectancy in India, *Demographic Research*, Vol. 28(6) DOI: 10.4053/DemRes.2013.28.26. MPIDR, Rostock Germany
- 4 **Preeti Dhillon** and Diwakar Yadav. 2013. Assessing the impact of maternal-child health service utilisation on contraceptive use in India (Meeting Abstracts), *The Lancet*, Vol. 381 No. p S37
- 3 Preeti Dhillon and Laishram Ladusingh, 2011. 'Economic activity in postretirement life in India'. *Asia-Pacific Population Journal*, Vol 26(3). <http://www.unescap.org/sites/default/files/APPJ-Vol-26-No-3.pdf>
- 2 Chander Shekhar and **Preeti**, 2009. 'Active Life and Transition in Self-rated Health Status among Mexican Elderly'. *Demography India*, Vol. 38 (1).
- 1 **Preeti** and Laishram Ladusingh, 2009. "Concordance between Childbearing Intention and fertility Behavior: A Panel Study in Rural North India", *Journal of Population*, Vol. 15(1).

Note: * Corresponding author

Book Chapters

1. Apyayee Sil and **Preeti Dhillon***. Intergenerational Occupational Mobility among Social and Demographic groups in India, in Bhagat R.B., Roy A.K., Sahoo H. (editors). *Migration and Urban Transition in India*. 13, Routledge
2. **Preeti Dhillon*** and Laishram Ladusingh. 2016. Implications of age structural transition and longevity improvements on health care expenditure in India, in Hoque, N., Beverly P. and McGehee, M. A. (Eds.) *Applied Demography and Public Health in the 21st Century* Switzerland, Springer
3. Unisa S., Dhillon P., RS R., Purusty R., Saraswat A. Srivastava A. Inter-linkages between education and malnutrition status of women, children and adolescents (submitted for Book)

Working papers

1. **Dhillon P.**, Kundu S., Shekhar C., Ram U., Dwivedi L.K., Yadav S., Unisa S.. Case-Fatality Ratio and Recovery Rate of COVID-19: Scenario of Most Affected Countries and Indian States. IIPS Working Paper. https://iipsindia.ac.in/sites/default/files/iips_covid19_cfrr.pdf
2. Imdad K., Sahana M., Rana M.J., Haque I, Patel P.P., Pramanik M., **Dhillon P.**, Dwivedi L.K, The COVID-19 pandemic's footprint in India: An assessment of the district-level susceptibility and vulnerability IIPS working Paper-https://iipsindia.ac.in/sites/default/files/iips_covid19_pfpi.pdf
3. **Unisa S**, Rai B., Rai S., Saraswat A., Mondal S., **Dhillon P.**, Dwivedi L.K, Yadav S., and Shekhar C.. Potential Factors of Transmission and Spread of COVID 19 in Indian States and Districts. IIPS Working Paper. https://iipsindia.ac.in/sites/default/files/iips_coivd19_pfts.pdf
4. **Dhillon P.**, Sahoo H., Agrawal P., Johnston R., Unisa S. Analysis of Data Quality of Birth-weight reporting: Evidence from large scale surveys and HMIS statistics Working Paper of CNSS Knowledge Network project

5. Status and Correlates of Micronutrients Deficiencies in Slum and Non-Slum Areas of India's Four Metropolitan Cities: Investigation from CNNS Working Paper of CNNS Knowledge Network project. IIPS, October, 2020.
6. Status and Correlates of Non-Communicable Diseases among Children and Adolescents in Slum and Non-Slum Areas of India's Four Metropolitan Cities Working Paper of CNNS Knowledge Network project. IIPS November, 2020.

Papers presented in international conferences

- *One-Person and One-Couple-Only Households in India: Trends, Prospects and Age Pattern*. Paper presented at 5th Asian Population Association Conference, 3-5 August, 2021.
- *Status and Correlates of Micronutrients Deficiencies in Slum and Non-Slum Areas of India's Four Metropolitan Cities: Investigation from CNNS*. Paper presented in IIPS International Seminar, March 2021 (online mode).
- *"Implications of age structural transition and longevity improvements on health care expenditure in India"* (Preeti Dhillon and Laishram Ladusingh) paper presented in Annual meeting of Population Association of America (PAA), Boston, MA, USA. 2014
- *"Challenging gender stereotypes and sexual harassment among school going students: Evidences from Adolescents education Programme"*, (Jaya Jaya, Preeti Dhillon and Sanjay Kumar) paper presented in Annual meeting of Population Association of America (PAA), Boston, MA, USA. 2014.
- *"Assessing the impact of maternal-child health service utilization on contraceptive use in India"*, (Preeti Dhillon and Diwakar Yadav. 2013) poster presentation in Global Health Metrics Evaluation Conference held in Seattle, Washington, USA, 2013.
- *"Implications of age structural transition on health care expenditure in India", "A decomposition analysis of changing living arrangement for elderly in India" and "Does increasing life expectancy translate into longer work participation in India?"* papers presented in Asia Population Conference (APA), Bangkok, Thailand. 2012.
- *"Forecasting longevity improvements in India"*, (Preeti) poster presented in Population Association of America (PAA) annual meeting, Washington DC, 2011.
- *"Exploration of postretirement economic activity in India" and "An analysis of changing living arrangement for elderly in India"*, (Preeti and Laishram Ladusingh) paper presented in Asia Population Conference (APA), Delhi, India, 2010.
- *"Time varying and unvarying factors affecting childbearing intention fertility behavior in rural north India"*, (Preeti) poster presented in Population Association of America (PAA) conference, 2010
- *"Reproductive intention transforming into fertility behaviour: A panel study of rural North India"*, (Preeti) paper presented in XXVI International Population conference (IUSSP), Marrakech, Morocco: 27th September to 2nd October, 2009.

Media coverage

Mint 04 Feb 2021, 08:11 AM IST (Unnecessary C-sections quite prevalent in India)
<https://www.livemint.com/science/health/unnecessary-c-sections-quite-prevalent-in-india-11612406248139.html>

Vigyan Prasar: Increasing protein and dairy intake may help reduce burden of diabetes: study

<https://vigyanprasar.gov.in/isw/Increasing-protein-and-dairy-intake-may-help-reduce-burden-of-diabetes.html>

Down to earth: <https://www.downtoearth.org.in/news/urbanisation/increasing-protein-dairy-intake-may-help-cut-diabetes-burden-study-65666>

The Hindu BusinessLine: <https://www.thehindubusinessline.com/news/science/increasing-protein-and-dairy-intake-may-help-reduce-burden-of-diabetes-study/article28479551.ece>

Evaluator

Evaluator of Poster Session award in IPC 2021, conducted by IUSSP

Abstract selection in Asian Population Conference

External expert of Master's Admission in TISS

Workshop/Training/invited lecture Program Resource person

- Workshop on Advance Survey Research: Theory and Practices 2022
- Five days workshop on Data Visualization and Analytics, at IIPS, Mumbai February 17-February 23, 2021
- Sampling techniques in Large scale surveys, Online course for PRC Officials, 2021
- Choosing appropriate statistical techniques for research data, Online course for PRC Officials, 2020
- Workshop on Gender Analysis Framework' held at IIPS during October 5-9, 2019
- Delivered several Invited lectures on different topics of statistical techniques to students/scholars from Universities like Central University of Karnataka, Gangadhar Meher University, Sambalpur, Bodoland University, Kokrajhar, Assam
- Invited talk on Forecasting models in Research at SHASUN Jain College for Women, Chennai July 10, 2021

Workshop/Training Program attended

- One-week online Workshop on Introduction to R: Demographic and Spatial Analysis. Organized by IIPS, Mumbai, Max Planck Institute for Demographic Research, Germany and Federal Institute for Population Research, Wiesbaden, Germany. April 5-9, 2021.
- Workshop on Big Data Using Machine learning, Organized by International Institute for Population Sciences, Qualcomm Institute, and Center on Gender Equity and Health, School of Medicine at UC San Diego. September 21-25, 2020
- Designing Clinical Trials and Value Propositions International Institute for Population Sciences, Mumbai, 3 February 2020
- Attended RASTA-Family planning workshop Evidence from National Family Health Survey-4 at Population Council, New Delhi. 9-11 February, 2018
- Paper Writing Workshop under RASTA project of Population Council at Damdama, Gurgaon from 24-26 May 2018.
- Attended training on FPET model for projecting mCPR by Track20 India, Delhi, 10th September 2018
- Attended Expert meeting on "Huddle on Data Quality" Population Council 18-20 December, 2018

- Attended ICRW Institutional Review Board orientation training for new staff, New Delhi, 8th April 2015
- Certificate of **Basic security in The Field II** (2012), United nations Department of Safety and Security
- GIS training programme on “**Introduction to ArcGIS Desktop**” by ESRI at International Institute for Population Sciences, Mumbai during April 10-April 12, 2012
- Lecture Series and Workshop in Population Dynamics, International Institute for Population Sciences, Mumbai during January 30-February 3, 2012
- Demographic computations: Multistate Population Projections. at Indian Institute of Socio Economic Change, Bangalore, 2010
- Three months training programme “**Young Scientist Summer Programme (YSSP)**” at International Institute for Applied System Analysis, Laxenburg, Austria, during June-August, 2010

Work experience (In Detail)

- **October, 2015 to present:** Working as an Assistant Professor in the **International Institute for Population Sciences (IIPS), Mumbai**
Roles and Responsibilities:

Teaching: Statistical Methods in Population Studies, Bio-statistics, Epidemiological Methods, Survival Analysis, Advanced Statistical and Computer Applications, Sampling Techniques in Health & Demographic Surveys, Advanced statistical Packages and application in Large Scale Data, Large-scale Sample Surveys, Demographic Models and Indirect Methods of Estimation

Research guidance: PhD (1 awarded, 2 submitted, 3 enrolled), M.Phil. (6 completed), (P.G. dissertation: completed 25)

Associated with: Centre of Ageing Studies

PI/Co-PI in projects:

1. **National Family Health Survey-6** (NFHS-6, 2022-23) funded by Ministry of Health and Family Welfare, Government of India.
2. Longitudinal Study of Maternal and Infants Nutrition in Maharashtra (funded by IIPS, Mumbai)
3. Baseline of Tele SWABHIMAN (Funded by UNICEF)
4. Demographic and Health Aspects in India: A District Level Analysis based on NFHS (funder: UNFPA) (2020) **Completed**
5. Comprehensive National Nutrition Survey (CNNS) Knowledge Network (funder: UNICEF) (2019-20) **Completed**
6. Comprehensive Report on Sexual and Reproductive Aspects of Youth in India based on data from the NFHS project. (2019) (Funder: UNFPA) **Completed**
7. Baseline survey of SWABHIMAN (funder: UNICEF) **Completed**

Administration:

- Member of Gender Amity Committee of IIPS since 2019.
- Course Coordinator: Master in Biostatistics and Demography (2019-21)
- Organized IIPS International Seminar online 2021.
- Organized Annual National Seminar of IIPS at Bhubaneshwar in 2017, Hyderabad in 2019
- Organized Symposium on World Population Day in July 2019.

- April 2015 to October, 2015. Technical Specialist, **International Center for Research on Women - Asia Regional Office- (ICRW)**, New Delhi
- August 2014 to March, 2015. Worked as a Monitoring and Evaluation Coordinator in **Save the Children** India in Stop Diarrhoea Initiative

Roles and Responsibilities:

- Coordinating research studies including baseline, cohort study, stakeholders' analysis, KABP
 - Involved in proposal writing including
 - Developing Monitoring & Evaluation framework
- July, 2012 to July 2014: Consultant at **United Nations Population Fund (UNFPA)** at Delhi office

Roles and responsibilities:

- Assisted in several publications of UNFPA with the partnership of Office of Registrar General & Census Commissioner, India
 - Involved in study report writing and analysis on a study on Violence against Women: Perspectives of College Students in Selected Districts of Bihar (2013) under Sapno ko Chali Chhone (SKCC) project of PAHEL
 - Involved in conceptualize themes and tools development for Baseline assessment of Nehru Yuva Kendra Sangathan (NYKS), Adolescents Girls Initiative, SKCC project of PAHEL
 - Provided assistance in developing training materials for the 'Training of Trainers' on Demographic Techniques' for the officers of Office of Registrar General & Census Commissioner, India.
 - Analyzed monitoring data of Adolescents Education Program of UNFPA and GoI in schools under NYKS and JNVs system
 - Provided technical assistant in HIV/AIDS related evaluation projects of NACO namely, The Concurrent evaluation of Red Ribbon Express-III and End line Assessment for Female Condom Promotion Program in Jharkhand, Odisha and Rajasthan.
 - Worked on research papers (adolescents, Youth, health, HIV) with the UNFPA staff members.
 - Other works such as, helping in developing 'terms of reference' of projects and technical bidding process of proposals.
- May-December, 2008: Worked for seven months as a Senior Research Officer in 'District Level Household Survey-Reproductive and Child Health Survey- III (DLHS-3)' in **IIPS, Mumbai**.
- December, 2007-May, 2008: Worked for five months as a Research Officer in 'District Level Household Survey-Reproductive and Child Health Survey- III (DLHS-3)' in **IIPS, Mumbai**.

PhD students supervised

Sr No	Name of student	PhD status	Title of the dissertation
1.	Chanda Maurya	Pursuing	Usage of 'Internet of Things' and its implications on academic performance, psychological well-being and nutritional changes in adolescents: Evidences from a cohort study

2.	Ayushi Das	Proposal	Machine learning approach in classification and prediction of geriatric disease
3.	Balhasan Ali	Synopsis presented	Trends and Prospects of Female Labour Force Participation Rate and its Linkages with Fertility and Longevity in India
4.	Apyayee Sil	Thesis submitted	Trends, patterns and prospects of deaths due to external causes among adults in India
5.	Donald R. Mawkhlieng	Thesis submitted	Projection of households, workers, teachers and doctors requirements for NE India
6.	Pradeep Kumar	Degree Awarded	Latent Factors of Obstetric Morbidity, Low Risk Caesarean deliveries and Length of Stay after Childbirth in India

Software knowledge/statistical methods

- Quantitative Analysis Software known: STATA (proficient), R (beginner), MLwin
- Projection and Demographic Estimation Software's known: SPECTRUM, MORTPAK, PASEX.
- Others: Arc GIS, Geoda
- I have applied various statistical methods such as multivariate regression, multilevel models, panel regression, propensity score matching method, time series analysis, principal component analysis, survival analysis, multiple life table construction and Bayesian statistics, multiple imputation (missing data handling)

Large scale data handling

- Demographic Health Surveys, National Family Health Survey, Census of India, National Sample Surveys, District level Household & Facility Survey, Sample Registration System, Annual Health Survey
- Longitudinal Surveys (Mexican Health & Ageing Study, NFHS-2 follow up survey, UDAYA)
- Service Statistics from National Account Statistics, Indian Public Finance Statistics
- Programme Evaluation Surveys

Professional affiliation

- Member of International Union for Scientific Study of Population (IUSSP), 2019-2021
- Member of Early Career Taskforce of IUSSP, 2020-2022
- Lifetime member of Indian Association for the study of Population (IASP)
- IIPS Alumni Association (life member)
- Member of Population Association of America (PAA), USA. 2014
- Student Member of Asian Population Association (APA), 2010, 2012
- Alumni member of International Institute Applied System Analysis, Laxenburg, Austria

Awards/Grants

- **Technology Information, Forecasting and Assessment Council (TIFAC), New Delhi and International Institute for Applied System Analysis (IIASA) Fellowship** to attend the Young Scientist Summer Programme (YSSP) conducted in IIASA, Laxenburg, Austria, 1st June, 2010 to 31st August, 2010.

- **International Union for Scientific Study for Population (IUSSP), Asian Population Association (APA), Population Association of America (PAA), Institute of Health Metrics and Evaluation (IHME) travel grants** to participate in various international conferences
- **Government of India Fellowship** for pursuing PhD Course in International Institute for population Sciences from 1 January, 2009 to 8 April, 2010
- **Junior/Senior Research Fellowship-UGC** for pursuing PhD Course in International Institute for population Sciences from 9 April, 2010 to 31 May, 2012.