



Name: Dr Kakoli Borkotoky

Designation: Scientist-C

Educational Qualification:

Ph.D. Population Studies, International Institute for Population Sciences (IIPS), Mumbai

M. Phil. Population Studies, (IIPS), Mumbai

M.Sc. Statistics, Dibrugarh University, Assam

Work Experience

February 2023- Present

Scientist-C, ICMR-National Institute of Cancer Prevention and research, Noida, Uttar Pradesh

September 2018- January 2023

Technical Specialist, International Center for Research on Women (ICRW), Delhi.

- Leading data management for COVID-19 Sex-Disaggregated Data Tracker <https://globalhealth5050.org/the-sex-gender-and-covid-19-project/the-data-tracker/>
- Prepare global and regional update reports based on the data from the tracker
- Review and analysis of COVID-19 health policies for multiple countries to examine the integration of sex and gender in national COVID-19 policies and guidelines. The findings are published in Health Policy Portal under the data tracker
- Examine the cascade of care and risk factors by sex for a few selected diseases using secondary data and published literatures for India
- Evaluating the impact of Personal Advancement and Career Enhancement Program (P.A.C.E.) on WASH behaviors among P.A.C.E. graduates in Madhya Pradesh, India.
- Working on a project to identify role of social network in shaping demand for contraceptives among young and low parity women in two states of India (Bihar and Uttar Pradesh).
- Mentored junior research staff on data analysis and other project activities

January 2016- September 2018 **Program Officer**, Population Council, Delhi.

- Worked in the Comprehensive National Nutrition Survey (CNNS). Major responsibilities for this project include monitoring data collection, data management and analysis.
- Prepared state specific data factsheets and contributed to national report.
- Led anthropometric data management and analysis.
- Conducted trainings, prepared study tool, manual and contributed to preparation of monitoring system and tools
- Mentored junior research staff on data analysis and other project activities

July 2011- December 2011 **Project Officer**, District Level Household and Facility Survey (DLHS-4), IIPS, Mumbai

January 2011- June 2011 **Research Officer**, Concurrent Evaluation National Rural Health Mission (CE_NRHM), IIPS, Mumbai

Research Interests:

Non-Communicable Disease, Nutrition and child health, education, gender, Water Sanitation and Hygiene (WASH), monitoring and evaluation of public health programs, policy analysis

Publications:

- Kumar, P; Borkotoky, K; Achyut, P.; 2022. Impact of P.A.C.E. on WASH Behaviors, Program Evaluation in Madhya Pradesh, New Delhi: International Center for Research on Women.
- Hawkes S., Pantazis A., Purdie A., Gautam A., Kiwuwa-Muyingo S., Buse K., Tanaka S., Borkotoky K., Sharma S., Verma R. (2022): Sex-disaggregated data matters: tracking the impact of COVID-19 on the health of women and men. *Economia Politica* (2022) 39:55–73. <https://doi.org/10.1007/s40888-021-00254-4>
- Joshi S., Uttamacharya, Borkotoky K., Gautam A., Datta N., Achyut P., Nanda P., Verma R. (2021): Spatial Variation in Contraceptive Practice Across the Districts of India, 1998–2016. *Spatial Demography*. <https://doi.org/10.1007/s40980-021-00092-9>
- Campbell M. E., Borkotoky K., Sharma S., Mbuthia M. (2021): From routine data collection to policy design: sex and gender both matter in COVID-19. *The Lancet. Comment*, Vol. 397, Issue 10293, p2447- 2449. doi: [https://doi.org/10.1016/S0140-6736\(21\)01326-X](https://doi.org/10.1016/S0140-6736(21)01326-X)
- Joshi S., Borkotoky K., Gautam A., Datta N., Achyut P., Nanda P., Verma R. (2020): Poised for a dividend? Changes in the life trajectories of India’s young women over the past two decades. *PLoS ONE*, 15(12): e0242876. <https://doi.org/10.1371/journal.pone.0242876>

- Unisa S., Lakhan T., Saraswat A., Borkotoky K. (2020): Exploring the Variations in Adult Height of Population by Agro-Climatic Zones in India. *Journal of Family Welfare*, 64 (Special Issue), 18-36.
- Unisa S., Borkotoky K (2017): An Appraisal of Anthropometric Data and Factors Influencing Height of Indian Population. *Demography India*; Vol. 46, Issue: 1, pp: 22-37.
- Borkotoky K & Unisa S (2017): Inequality in Food Expenditure in India and the contributing factors. *Journal of Quantitative Economics*. doi: 10.1007/s40953-017-0099-y
- Borkotoky K., Unisa S., Gupta A. K. (2017): State-level Dietary Diversity as a Contextual Determinant of the Nutritional Status of Children in India: A Multilevel Approach. *Journal of Biosocial Science*. 1-27. doi:10.1017/S0021932017000013.
- Borkotoky K. & Gupta A.K. (2016): Trends and Patterns of Educational Homogamy in India: A Marriage Cohort Analysis. *International Journal of Population Research*. Volume 2016, Article ID 8562942. <http://dx.doi.org/10.1155/2016/8562942> .
- Gupta A. K., Ladusingh L. & Borkotoky K. (2016): Spatial clustering and risk factors of infant mortality: district-level assessment of high-focus states in India. *Genus* (2016) 72:2. DOI 10.1186/s41118-016-0008-9.
- Borkotoky K., & Unisa, S. (2016) Dietary diversity of mother and its association with diversity in child feeding and nutritional status of children in India. Visaria L. & Saxena D. (Eds) *Inequity in Maternal and Child Health*.
- Gupta A.K., Borkotoky K. (2016): Exploring the multidimensional nature of anthropometric indicators for under-five children in India. *Indian Journal of Public Health*, 60:68-72.
- Borkotoky K., Unisa S., Gupta A.K. (2015): Intergenerational Transmission of Education in India: Evidence from a Nationwide Survey. *International Journal of Population Research*. Article ID 251953, <http://dx.doi.org/10.1155/2015/251953> .
- Gupta A. K., Borkotoky K. & Kumar A. (2015): Household Headship and Infant Mortality in India: Evaluating the Differentials and Determinants. *International Journal of MCH and AIDS*. Vol. 3 (1). Pp 44-52.
- Borkotoky K., & Unisa, S. (2014): Female Education and its Association with Changes in Socio- Demographic Behaviour: Evidence from India. *Journal of Biosocial Science*. DOI: 10.1017/S002193201400039X.
- Borkotoky K., & Unisa, S. (2014): Indicators to Examine Quality of Large-Scale Survey Data: An Example through District Level Household and Facility Survey. *PLoS ONE*, 9(3), e90113. doi: 10.1371/journal.pone.0090113.
- Borkotoky K., & Unisa, S. (2014): Educational deprivation of children in India: insights from recent national level household survey. *Journal of Educational Planning and Administration*, Vol. XXVIII, No. 1, January 2014.
- Borkotoky K., & Unisa, S. (2013): Educational progress in India in the Context of Out-of-School Children. *International Research Journal of Social Sciences*. Vol. 2(5), 6-14, May (2013).

Conferences:

- Transition to high parity and sustained use of contraceptive: a cohort approach on determinants and differentials between young (15-24) and old (25 & above) married

women in India, paper presented at International Conference on family Planning (ICFP), 14-17 November 2022, Pattaya City, Thailand.

- Nutrition Transition and the future of Food Demand in India, paper presented as a requirement of the Young Scientist Summer Program (YSSP), 24-25 August at International Institute for Applied Systems Analysis (IIASA), Austria 2015.
- Increase in Food Secure Households and Intra-Urban Differentials in Dietary Diversity in India, paper presented in the 12th International Conference on Urban Health (ICUH), 9-12 March, Dhaka, Bangladesh 2015.
- State Level Dietary Diversity and Child Undernutrition in Urban India: An Exploration using Multilevel Analysis, paper presented in the 12th International Conference on Urban Health (ICUH), 9-12 March, Dhaka, Bangladesh 2015.
- Nutrition Transition and its Association with the Nutritional Status of Children: with Special Focus on Urban India, paper presented in the 25th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF) and International Conference on Reproductive Health, 14 – 17 February 2015.
- Differential role of Dietary Diversity in Child Nutritional Status across Social and Economic Spectrum: the Indian Experience, paper presented at the 12th Conference of IASSH, November, 2014.
- Maternal food habit on child feeding practices: how does the link work in determining nutritional status of children? paper presented in the International Conference on Inequity in Maternal and Child Health, December 2013.
- Dietary transition and food insecurity: an exploration of the two extremes in India from a national level household survey, paper presented in the 45th National Conference of the Nutrition Society of India, November, 2013.
- An Assessment of the Quality of Large Scale Survey Data in India, paper presented in 2nd Asian Population Association Conference, August, 2012
- An Analysis of Educational Progress in terms of Enrolment, Dropout and School Continuation of Children in India, paper presented in 2nd Asian Population Association Conference, August, 2012.
- A Study of Level and Causes of Children who Never Went to School in India, paper presented in National Seminar on “Demographic Transition and Inclusive Development” March, 2012.

Fellowship and Award

- P N Mari Bhat Gold Medal for best PhD Thesis for the academic year 2016-17 to 2018-19 from International Institute for Population Sciences (IIPS), Mumbai, India.
- Awarded Scholarship to participate in the Young Scientist Summer Program (YSSP) at the International Institute for Applied Systems Analysis (IIASA) June - August 2015.
- Government of India Fellowship for pursuing PhD in Population Studies at the International Institute for population Sciences.

- P N Mari Bhat Gold Medal for best M Phil Dissertation in Population Studies for the academic year 2009-2010 from International Institute for Population Sciences (IIPS), Mumbai, India.
- Government of India Fellowship for pursuing MPS/M Phil Course in Population Studies at the International Institute for population Sciences from 03 August 2009 to 31st Dec 2010.

Brief Bio:

I am currently working as Scientist-C at ICMR- National Institute of Cancer Prevention and Research, Noida. I am a trained statistician and public health researcher with more than 8 years of experience in designing, implementation, monitoring and evaluation of research studies in nutrition and child health, Water Sanitation & Hygiene (WASH) and Family Planning. I also have extensive experience of managing large scale survey data. Before joining ICMR-NICPR, I have worked with International Center for Research on Women (ICRW) and Population Council. At ICRW, I was leading the data collection and management for the COVID-19 Sex-Disaggregated Data Tracker project <https://globalhealth5050.org/the-sex-gender-and-covid-19-project/the-data-tracker/> . I have led the design and analysis for the evaluation Personal Advancement & Career Enhancement (P.A.C.E.) program which is intended to build women's knowledge and skill for driving change in WASH behavior and improving women's involvement in decision-making. I have conducted review of India's Family Planning policies to examine positioning of men in the policy documents over time and another review of COVID-19 related policies for many countries to examine gender sensitiveness of the policy as part of the COVID-19 Sex-Disaggregated Data tracker project. At Population Council I was leading the anthropometric data analysis for Comprehensive National Nutrition Survey (CNNS). I was also involved in preparing survey tools, state-level training for field investigators and monitoring data collection.

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