

Dr. Bireshwar Sinha

Scientist and Deputy Director

Qualifications

MD, Community Medicine, Lady Hardinge Medical College, New Delhi

DNB, Preventive and Social Medicine, National Board of Examinations, New Delhi

PhD, Pediatrics, Tampere University, Finland

DBT-Wellcome India Alliance Early Career Fellow, Clinical and Public Health (2020-2025)

Key areas of work: Child nutrition and infection prevention

Core strengths: Epidemiology, intervention trials, biostatistics, evidence synthesis and scientific writing

Work experience: An intermediate career scientist with 10 years of experience in conducting large community-based studies as an investigator including the community-initiated kangaroo mother care (KMC) trial in 8402 LBW infants (Lancet 2019) and biological outcomes of KMC (AJCN 2025), rollout of ROTAVAC® in the Indian public health system (Vaccine 2020), multicentric trial on microbiota-directed complementary food in children with moderate malnutrition (Journal of Nutrition 2025). He is the PI of the ongoing trials to evaluate effect of antenatal azithromycin in women at risk to prevent preterm birth (CTRI/2024/10/075570), a comprehensive intervention package given from preconception, pregnancy, and early childhood on the body fat and metabolic markers in pre-school children (CTRI/2024/03/063819). He has experience in establishment of surveillance systems and following-up large population-based cohorts to study epidemiology of childhood infectious diseases. Some of his notable works include surveillance of enteric fever among children in India (NEJM 2023), estimating population-based disease burden of Dengue in children. He is a key investigator in setting up the Dakshin Delhi Environmental and Epidemiological Surveillance System for Health and Disease (DEESHA), an urban health and demographic surveillance system in ~60000 population and is currently working towards building a collaborative network on respiratory disease epidemiology in India and capacity building (RespIND-Net). He has contributed to several systematic reviews and meta-analyses that were instrumental to update global recommendations on breastfeeding, care of preterm or low birth weight infants, management of childhood pneumonia. He coordinated WHO-commissioned systematic review to update the global norms for care of small and sick newborns.

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Google Scholar: <https://scholar.google.com/citations?hl=en&authuser=1&user=2IxUetkAAAAJ>