

HINDRANCES TO EARLY CHILDHOOD DEVELOPMENT IN RURAL INDIA

Dr Nandita Chattopadhyay (Director), Ms Swati Basu (Coordinator) Udbhaas Child Development Centre, Kolkata, India

ABSTRACT

Background: Enabling young children to achieve their full developmental potential is a requisite for sustainable development, but globally 43% of children are still at risk to do so. The problem is grave among the underprivileged rural population in India. **Objectives:** Early Childhood Development (ECD) is influenced by multiple factors As the prevalence of risk factors varies in different communities, strategy planning for nurturing care will also depend on evidence-based identification of specific threats. This study is an attempt to identify major threats in a marginalized rural community. Method: Cross-sectional observational study through random sample survey of 609 households with children 0-6 years conducted in a rural district in India to identify the major threats prevalent in the study

Results: Lack of stimulatory home environment, poor learning opportunities and inadequate responsive parental care were major hindrances. Most factors are strongly influenced by poor maternal education Conclusion: Promotion of maternal education and empowerment of primary care-givers at grass-root level will help overcome many of the adverse factors.

CONTACT

Dr Nandita Chattopadhyay **Udbhaas Child Development** Centre Email: udbhaas@gmail.com Phone: +919674905780 Website: www.udbhaas.com

INTRODUCTION

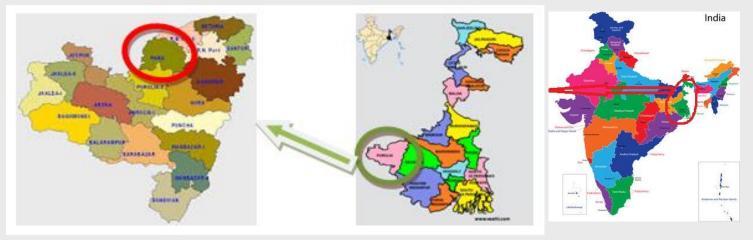
Enabling young children to achieve their full developmental potential is a requisite for sustainable development, but globally 43% of children are still at risk to do so. Optimum Early Childhood Development (ECD) is hindered by various risk factors, the prevalence of which varies in different communities. Strategy planning for nurturing care depends on evidencebased identification of specific threats to ECD

This study aims to identify major threats in a marginalized rural community in India.

METHODS

Cross-sectional observational study through random sample survey of 609 households with children 0-6 years was conducted in a rural district of West Bengal, India, using a MICS III based questionnaire, focusing on the key threats to ECD. The data was analyzed to identify the major threats prevalent in the study area.

The Location



The Milieau



Authors have no conflict of interest to declare

RESULTS

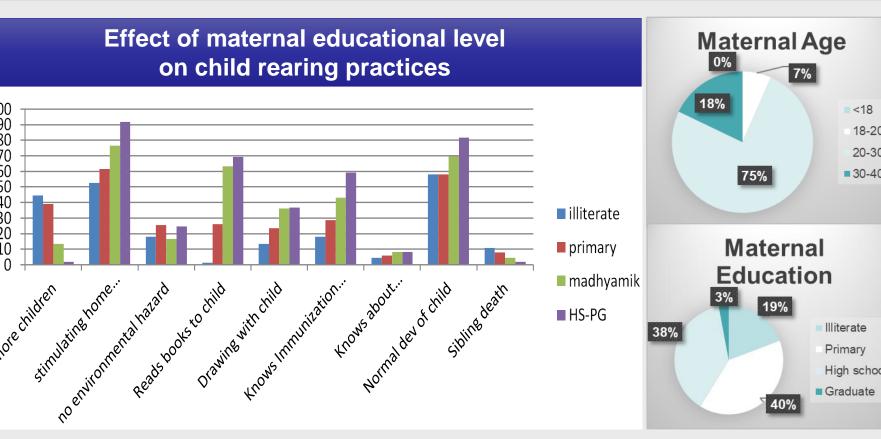
Demographic profile reveals:

Poverty, over-crowding and poor living conditions with small, poorly ventilated and ill-lit rooms are prevalent detrimental factors for ECD

Maternal education

Female literacy rate is only 37.15%.

Maternal education influences many of the risk-factors for ECD.



Detrimental factors

detected

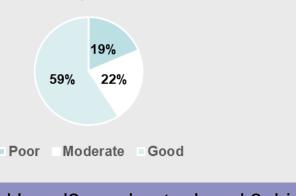
Health and Nutrition

23.7% babies were low birth weight 58.5% children exclusively breast-fed till six months 34.7% delayed & inadequate complementary feeds Most children were used to open-air defaecation Hand-washing practices were inadequate.

Early Learning Opportunity

Resources for early stimulation (toys, swing/hammock, wall-hanging pictures and calendars, mirrors, clocks) available but poorly utilized.

Stimulatory Environment



Level1: mild Level2: moderate, Level 3: highly

Home safety



Responsive Parenting

Mothers do not engage in interactive play or entertaining activities. No Story-telling, singing or reading books

16.3% of mothers encourage scribbling/ drawing with colours Do not play outdoors with children Permissive parenting was most common practice

safety level





DISCUSSION

This socio-cultural background of adversities had an impact on development of young children; 36.4% were late in achieving some milestones, mostly cognitive skills, possibly due to lack of proper stimulating environment and nurturing care.

Poor stimulating home environment and poor maternal education were identified as most significant contributing factors to poor ECD. The cumulative effect of multiple factors was detrimental to brain development and the single determinant that influenced many of them was maternal education.k



CONCLUSIONS

Promotion of maternal education and empowerment of primary care-givers at grassroot level will help overcome many of the adverse factors. Awareness generation among parents by duly trained field level workers through regular home visits need to be considered.

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Hazardous factors: High cots, Easy access to stove, fire, sharp objects, plastic bags, easy access to ponds, roads; inadequate fencing, Exposure to tobacco, pesticides, hay stacks within the house.