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How healthy are the children of Indian Sundarbans?

The First Health Watch report 1st August, 2013

What Future Health System (FHS) research initiative wants to do?

- Generate and push streams of evidences on the health service delivery system in the Sundarbans especially for children.
- Create a knowledge platform to generate new ideas on how to provide better health services to disadvantaged children
- Strengthen capacity of interested partners (govt, non-govt, and development agencies) to design and evaluate new interventions.
- The first Health Watch report, based on a series of recent studies, is a step towards this direction.



Focus of the report

- To generate knowledge on
 - The child health needs
 - Gaps in protecting child health rights
 - The barriers to access of health care services for children
- Find out ways by which health care system can be made more effective in the Sundarbans



Data

• Primary data collected from one block (Patharpratima) through

□ Household survey (focused on children)

□ Facility assessment

□ Exit interviews

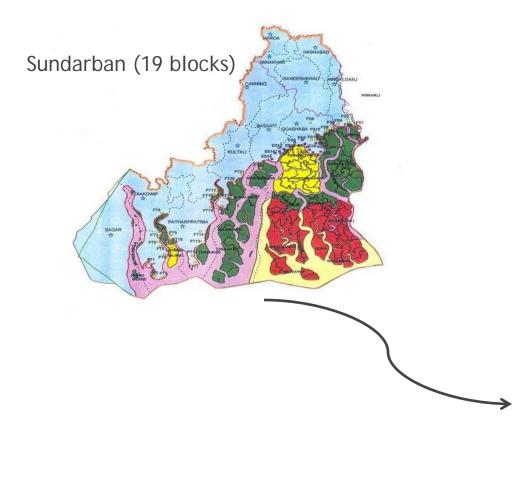
□ RMP interview

□ Ethnographic studies and case studies

- GIS mapping of all providers
- An earlier FHS report on Sundarbans (2009) based on data from all 19 blocks.



Sundarban — Patharpratima



Patharpratima block





The human face of the Sundarbans

- 4.5 million people
- Subsistence agriculture and forest /river products
- Chronic poverty with dualistic development
- Difficult to access
- Man-nature conflict
- Environmental threat





Key findings-l Child health status





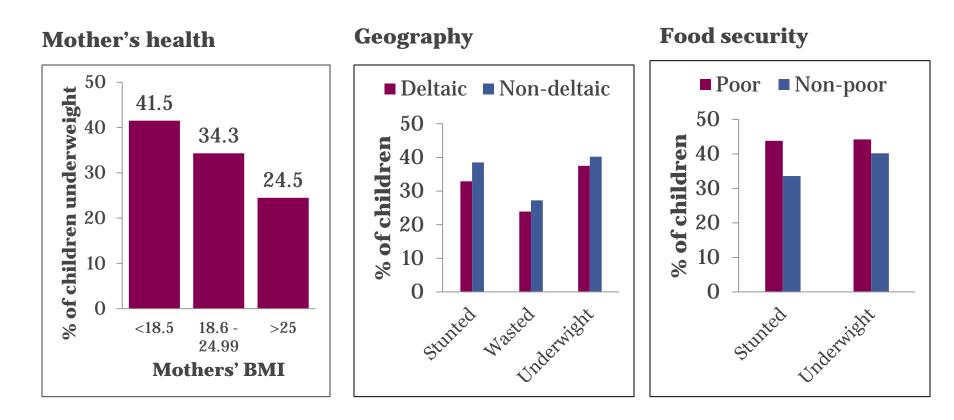
1. Under-nutrition prevails at high level

Indicator	Moderate or Severe	Severe
Under weight (%)	38.6	12
Stunting (%)	35.2	11.7
Wasting (%)	25.2	8.6

The prevalence of stunting may be as high as 60% if the child is a girl, aged 1-3 years, and born in a poor household



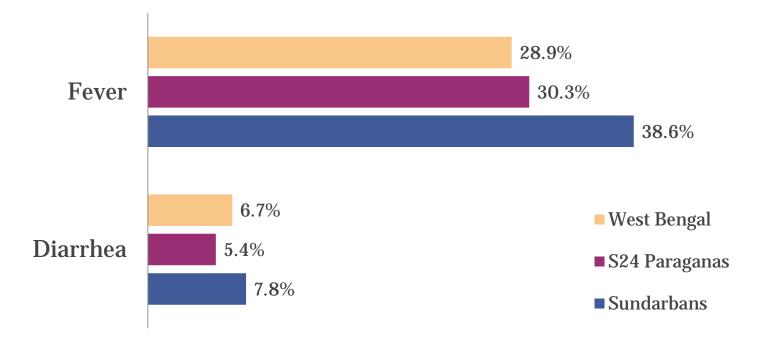
Predictors of undernutrition





2. Extra burden of morbidity

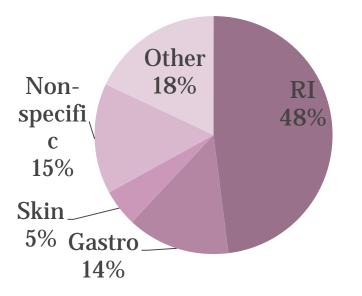
Morbidity burden among 0 to 6 year children in the last 30 days (self-reported)



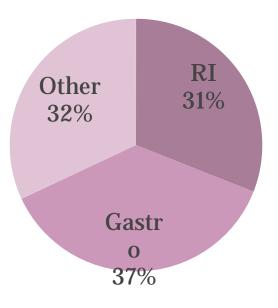


Environment-linked ailments hold the major share

Distribution of cases based on reported symptoms



Distribution of cases based on reported hospitalization





Key findings-II Child health rights: from a child's viewpoint





Right 1: My mother should have adequate health and nutrition when I am inside her

	FHS 2012	FHS 2009-10	DLHS3 (WBENGAL)
% who had ANC during pregnancy	98.6	95.7	96.1
% who had ANC in the first trimester	60	60.3	42.5
% that received PNC	50	23.8	56.9
% received supplementary nutrition during pregnancy	62	53.2	

Good progress in ANC, but low coverage of supplementary nutrition during pregnancy and PNC



Right 2: I should be born in a safe environment and at a safe hand

- About 53% of the births were delivered at home (last 5 years). The rate reduced to 46% in 2011-12.
- Only 5% of home deliveries were assisted by qualified professionals.
- 3 out of 4 illiterate mothers delivered births at home assisted mostly by untrained hands.



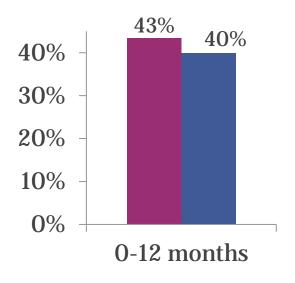
Right 3: I should receive very special care during the 1st month followed by full preventive care

- At least a quarter of all children aged 1-12 months took births and spent the first week of their lives without any supervision from any health worker.
- 87% of the children (12-23 months) were fully immunized, but timeliness needs attention.



Right 4: I should be fed according to the universally accepted good feeding practice

% of children of age 0-12 months who were immediately breastfed after birth



% of children of age 0-12 months who were exclusively breastfed for 5-6 months





Right 5: I should be taken to a 'proper' doctor when I am ill and require 'treatment'.

	RMP	Govt. Facilities	Pvt. Qualified
% of ailing children used the services of	85.1%	4.1%	6.4%
Median Distance travelled (km)	1	3	12
Median Travel Time (min)	15	25	80
Median Out of pocket Expenditure (Rs)	220	460	550

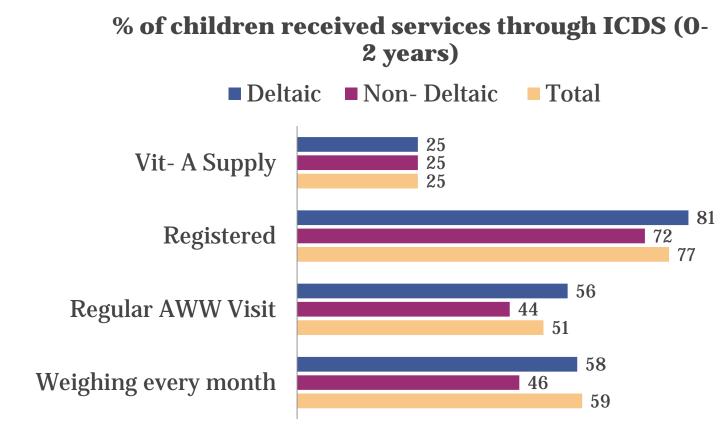


Hospitalization

- Hospitalization rate of children 5.4% (in a year)
- 75% of them were admitted in public hospitals
- But only $1/3^{rd}$ of them were treated at local BPHC

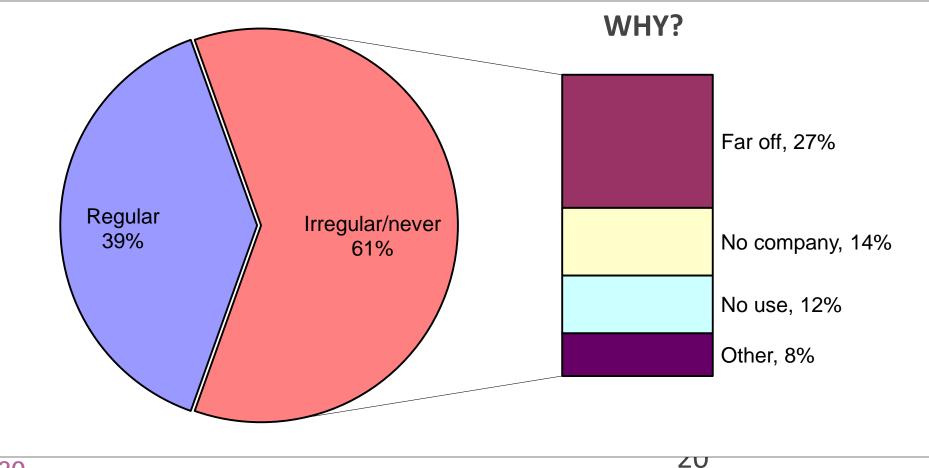


Right 6: I should receive regular supplementary nutrition during my childhood.





Children 3-6 years: mostly irregular or nonuser of ICDS services





Key findings-III Child health care: by whom, how much, and where?





Public health network is grossly inadequate for comprehensive child care

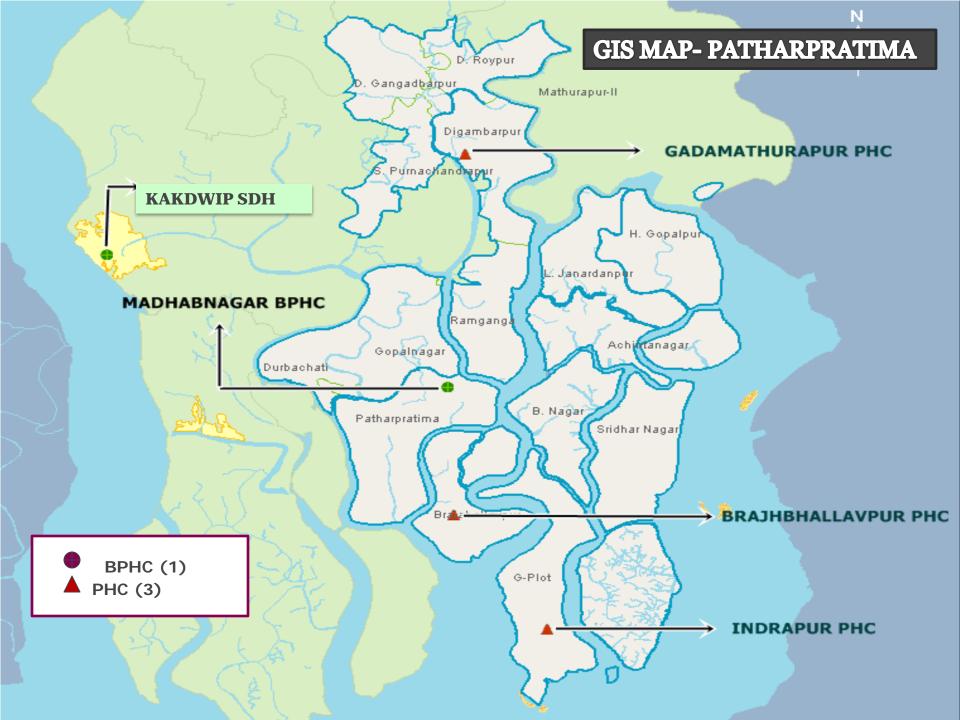
- Sub-centres are adequate but mostly address preventive care
- Number of PHCs and BPHC are inadequate, but more importantly, due to lack of critical inputs, not all of them properly function
- Facilities are not adequately child focused

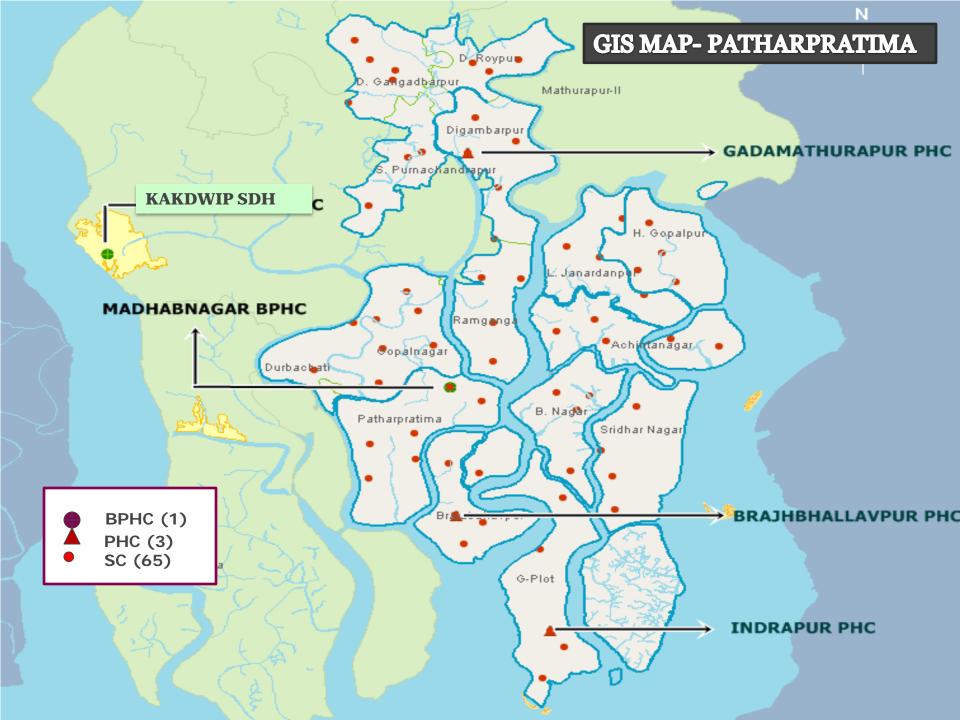


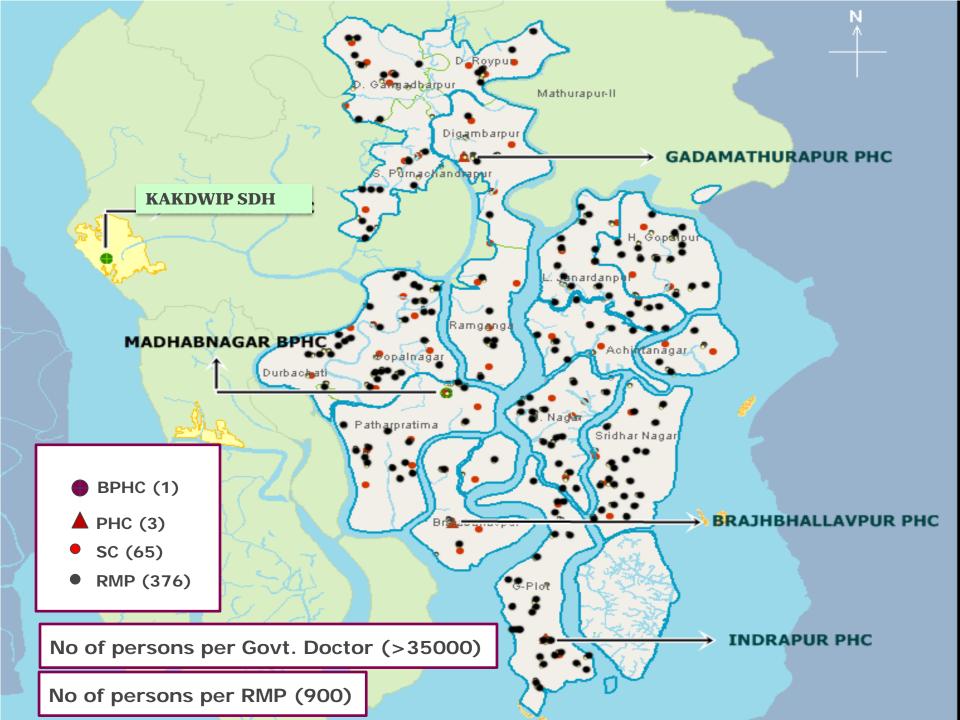
The parallel (underground) providers fills in the gap

- Overwhelming dominance of RMPs in curative care
- Easy availability, instant medicine, proximity, and people's trust make them a formidable competitor











Quality of care of RMPs: unregulated, questionable and often puzzling

- RMPs: Up-to-date knowledge about modern medicines
- But quite incompetent in diagnosis and rational use of drugs
 - 47% of RMPs could not correctly answer a single question (total 5 questions) about 'how a newborn should be cared'.
- They successfully hide their incompetency by making their clinical procedures visibly indistinguishable from that of qualified providers.



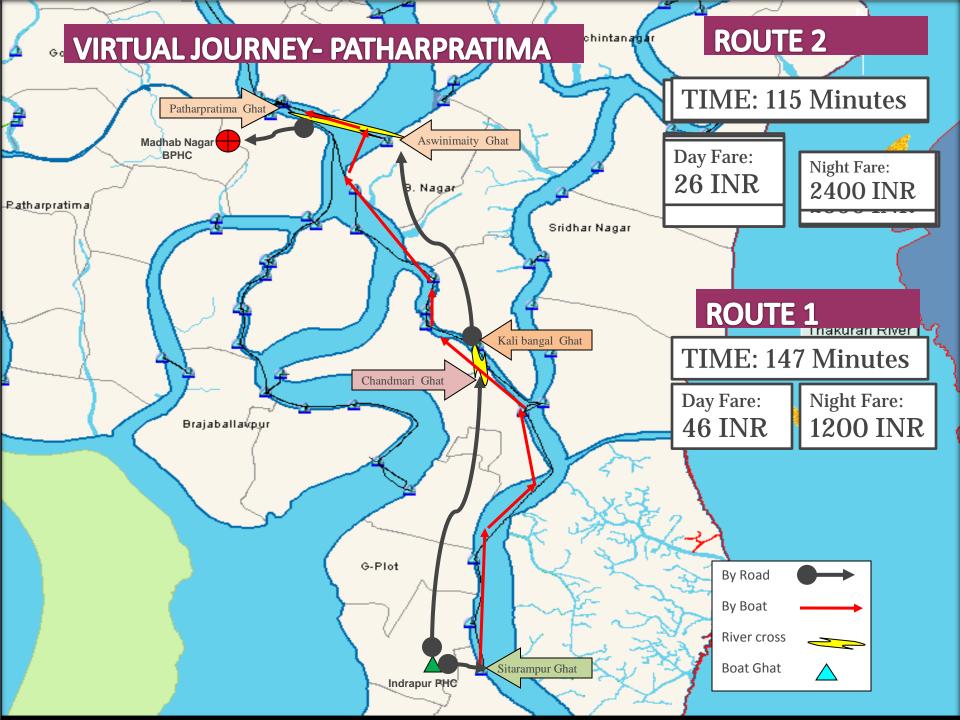
Many NGOs but too little for child health

- About half of the NGOs working in Patharpratima are committed to health care (totally or partially)
- But, except for a few nutrition care initiatives, child health is not really focused.



Unique geographical challenges compound the barriers to access health facilities

- The deltaic topography makes it extremely difficult for the people to access health facilities.
- People living in the remote islands have to depend on multimodal transportation.
- The costs in terms of time and transportation are often prohibitively high.





Climatic shocks trigger ill health and malnutrition

- Direct effects
- Indirect effects
 - □ Loss of livelihood
 - □ Migration of male members
 - □ Alternative livelihood seeking by mothers



Summary: the gaps

- Basic (quality-assured) curative care
- Nutritional care institutional and at home
- Neonatal care institutional and at home
- Referral linkage



Way forward....

- Bring Child Focused Lens in public health Programs.
- Effective partnerships with development agencies and Non-state actors.
- Stimulating, identifying and up scaling innovative health programs using low-cost modern technology.
- Providing usable scientific evidence for better decision making.



Special thanks

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THANK YOU