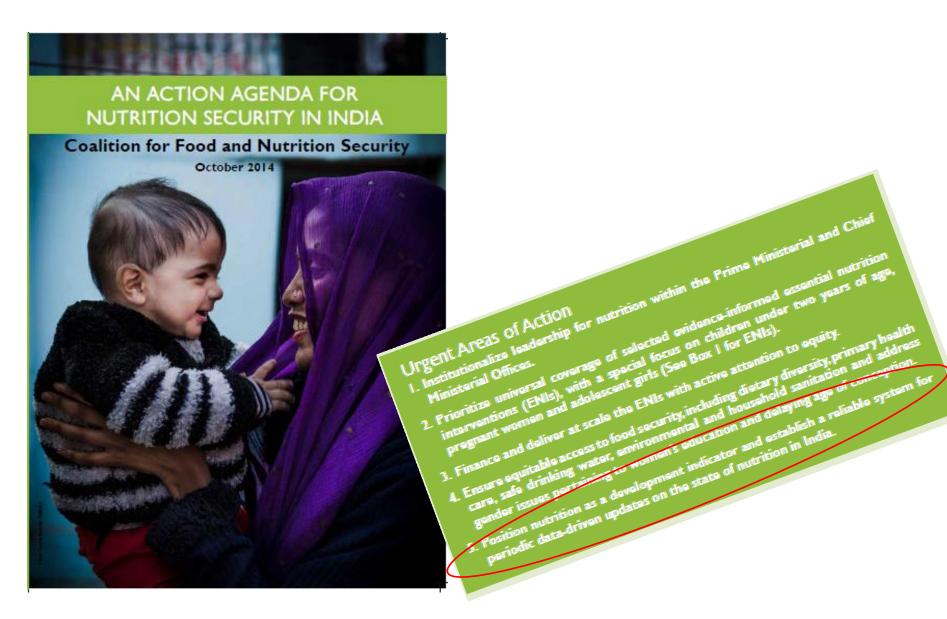


Partnerships and Opportunities to Strengthen and Harmonize Actions for Nutrition in India



A review of data on nutrition in India: Preliminary findings

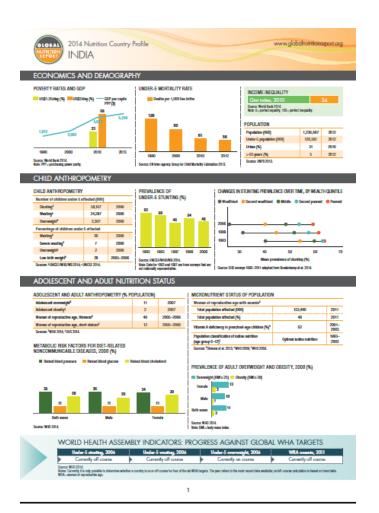
Purnima Menon and Aparna John IFPRI Feb 4, 2015



5. Prioritize nutrition as a development indicator and establish a reliable system for periodic data-driven updates on the state of nutrition in India



Global Nutrition Report India Country Profile highlights significant data gaps



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Number of children under 5 affected (000)			
Stunting* 58,167			
24,287	2006		
2,307	2006		
Percentage of children under 6 affected			
Wasting* 20			
7	2006		
2	2006		
28	2005-2006		
	58,167 24,287 2,307 6 affected 20 7		

Sources: *UNICEF/WHO/WB 2014; *UNICEF 2014.

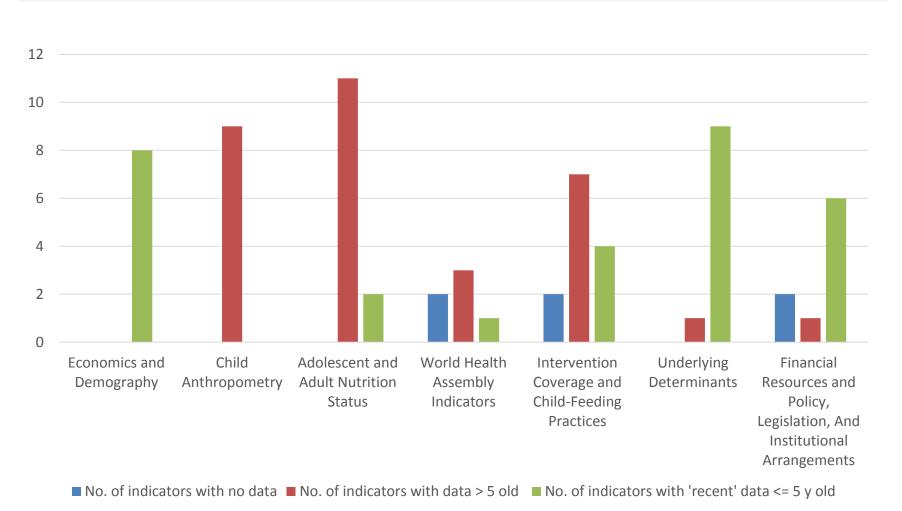
ADOLESCENT AND ADULT ANTHROPOMETRY (% POPULATION)

,		
Adolescent overweight ^a	11	2007
Adolescent obesity ^a	2	2007
Women of reproductive age, thinness ^a	40	2005-2006
Women of reproductive age, short stature ^b	12	2005-2006
Source: EWUD 2014: NDUS 2014		

Sources: *WHO 2014; *DHS 2014.



GNR 2014: Distribution of India indicators, by data availability



Overall: Of 68 indicators, no data for 6, > 5 y old data for 32 and <5 year old data for 30



Why are data gaps an issue?

- Development of <u>national- and state-level</u> missions for nutrition means there is a need to
 - 1. Benchmark progress to date
 - Set realistic goals and targets for nutrition outcomes based on prior trends and potential to accelerate trends
 - 3. Identify key intervention/policy areas to accelerate action
- Devolution of planning to <u>districts</u> means there is a great need for districts to understand the state of nutrition and its drivers to inform various action plans



Framework for data review

- I. Geographic coverage: can national estimates be derived? At what levels is the data representative?
- II. Content: does the data source cover the state of nutrition and its causes at multiple levels?
- **III. Comparability**: can indicators be compared over time? Or across surveys?
- IV. Frequency/temporality: how often are surveys done?
- V. Ownership and financing: Who owns the data? Who finances it? Does this have implications for data access?
- VI. Availability: is the data set available in the public domain, or via a simple data access request?



Summary of surveys reviewed

- National Family Health Survey (NFHS)
- District-level Household Survey (DLHS)
- Annual Health Survey (AHS):
- India Human Development Survey (IHDS)
- HuNGaMA Survey
- Rapid Survey on Children (RSOC)

Results presented here are illustrative and not comprehensive



Geographic coverage

Survey	Rounds	Coverage
NFHS	NFHS 1, 2 & 3	All India
DLHS [†]	DLHS 1, 2 & 3	All India
	DLHS 4	20 states (i.e., 336 districts, UTs excluding those covered under AHS
AHS ^{††}	AHS 1, 2 & 3	9 states (i.e., Bihar, Jharkhand, Uttar Pradesh, Uttarakhand, Madhya Pradesh, Chhattisgarh, Orissa and Rajasthan, and Assam)
RSOC*	2013	All-India + 29? States

[†]DLHS 4 (2012—13) state fact sheets are only available for 18 states and 3 union territories

^{††}AHS 3 latest round was released in 2013.

^{*}RSOC national estimates shared for GHI and GNR

Representativeness: core nutrition outcomes

CORE NUTRITION OUTCOMES FOR CHILDREN AND MOTHERS	NFHS 3	DLHS 4	AHS	RSOC
Child stunting, underweight & wasting(%)	S	D [†]	D ^{††}	S
Percentage of women with chronic energy deficiency (Body Mass Index <18.5) (%)	S	D [†]	D ^{††}	S

[†]DLHS 4 state fact sheets are only available for 18 states and 3 union territories

^{††}AHS recently completed a Clinical, Anthropometric and Biomedical (CAB) survey for a selected sub-sample of the main AHS sample



Content: Core nutrition indicators

CORE NUTRITION INDICATORS	NFHS 3 (2005—06)	DLHS 3 (2007— 08)	DLHS 4 (2013— 14)
Children <5yrs stunted, underweight & wasted (%)	YES	NO	YES [†]
Children (6-59 months) having anaemia (%)	YES	NO	YES [†]
Percentage of women with chronic energy deficiency (Body Mass Index <18.5) (%)	YES	NO	NO
Children who achieve minimum diet diversity (%)	YES	NO	NO

[†]DLHS 4 state fact sheets are only available for 18 states and 3 union territories *DLHS 4 website, accessed on 02.02.2015*



Comparability: Reference group inconsistencies in child anthropometry within surveys

Child anthropometry [†]			
NFHS			
Survey rounds	Reference group		
NFHS 1	<4 years		
NFHS 2	<3 years		
NFHS 3	<5 years		

Child anthropometry [†]			
DLHS			
Survey rounds	Reference group		
DLHS 1	NO DATA		
DLHS 2	<6 years ⁺⁺		
DLHS 3	NO DATA		
DLHS 4	< 5 years		



[†]stunting, underweight and wasting

^{††} only underweight

Comparability: Target respondents

Survey	Rounds	Women sample
NFHS	NFHS 1	Ever-married women of age 13—49
	NFHS 2	Ever-married women of age 15—49
	NFHS 3	All women of age 15—49
DLHS	DLHS 1	Currently married women of age 15—44
	DLHS 2	Currently married women of age 15—44
	DLHS 3	Ever-married women of age 15—49 & Never- married women of age 15—24
	DLHS 4	Ever-married women of age 15—49
AHS	AHS 1, 2 & 3	No woman-specific sampling



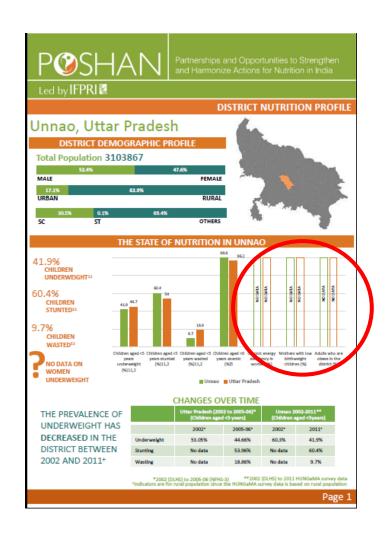
Frequency: Data collection

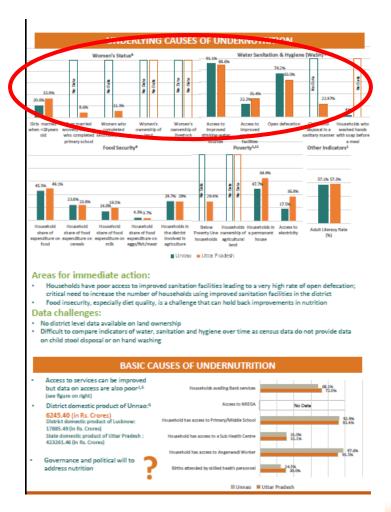
Survey	Rounds	Time gap between surveys
NFHS	NFHS 1 (1992–93) to NFHS 2 (1998–99)	6 years
	NFHS 2 (1998–99) to NFHS 3 (2005–06)	7 years
	NFHS 3 (2005–06) to NFHS 4 (2014–?)	9 years +
DLHS	DLHS 1 (1998–99) to DLHS 2 (2002–04)	5 years
	DLHS 2 (2002–04) to DLHS 3 (2007–08)	4 years
	DLHS 3 (2007–08) to DLHS 4 (2012–13)	5 years (report yet unreleased)
AHS	AHS 1 (2010—11), 2 (2011—12) & 3 (2012—13)	1 year

Ownership, financing & access

Data	Ownership	Financing		Data access
NFHS	Ministry of Health and Family Welfare (MoHFW), conducted by IIPS	USAID provided major funding in round &2 with supplemental support from UNICEF. Round 3 was supported by USAID, BMGF, DFID, UNFPA & Gol. Rou 4 funded by USAID and MoHFW		Public (Measure-DHS website)
DLHS	MoHFW, conducted by IIPS	MoHFW, UNFPA, UNICEF (for third rou	nd)	On request
AHS	MoHFW, conducted by RGI	?		On request?
RSOC	MWCD	MWCD, UNICEF		TBD
IHDS	University of Maryland and National Council of Applied Economic Research (NCAER)	National Institutes of Health, Ford Foundation, NCAER, University of Maryland		Public
Hungama	Naandi Foundation	Funding: Avantha Foundation, Soma Enterprise Ltd. and Mahindra & Mahindra		On request

Significant data challenges at district level: POSHAN District Nutrition Profiles







Take-aways

- The nutrition data situation in India is <u>not</u> simply one of a lack of <u>timely</u> data
- Issues abound: content, comparability, representativeness, availability, and more (quality?)
- 3. Imperative to hone in on a set of <u>core</u> indicators for which <u>comparable</u> data is available at <u>national</u>, <u>state</u> and <u>district</u> level and <u>over time</u>



