

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

Data Note

| SEPTEMBER 2021 No. 51

State Nutrition Profile: Mizoram

ABOUT THIS DATA NOTE

This Data Note describes the trends for a set of key nutrition and health outcomes, determinants, and coverage of interventions. The findings here are based on data from the National Family Health Survey (NFHS) 3 (2005-2006), 4 (2015-2016) and 5 (2019-2020). In addition to standard prevalence-based analyses, this Data Note includes headcount-based analyses, aligned to the POSHAN Abhiyaan monitoring framework and using data from NFHS-5 to provide evidence that helps identify priority districts and number of districts in the state with public health concern as per the WHO guidelines[1]. The Data Note includes a color-coded dashboard to compare the coverage of nutrition interventions across all the districts in the state. It concludes with key takeaways for children, women & men and identifies areas where the state has potential to improve.

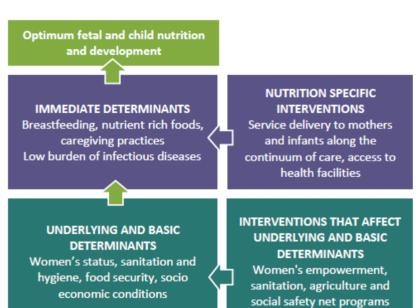
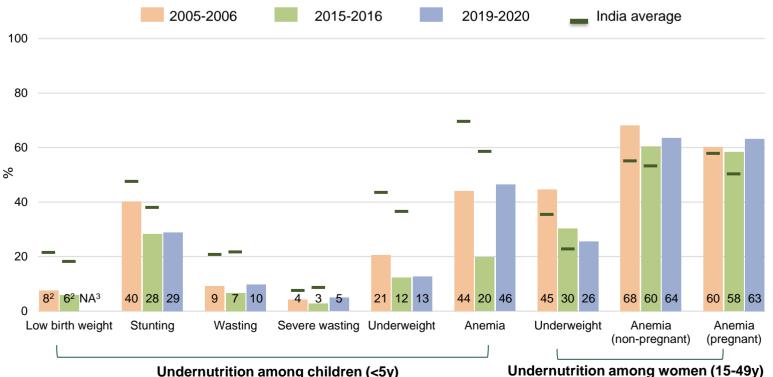


Figure 1. Trends in undernutrition outcomes 2005-2006, 2015-2016, 2019-2020



Undernutrition among children (<5y)

Source: NFHS-3 (2005-2006), NFHS-4 (2015-2016), and NFHS-5 state factsheets (2019-2020).

Note: Adult nutrition outcomes are based on the woman dataset, while child nutrition outcomes are based on all child data.

¹WHO. Nutrition Landscape Information System (NLiS). Help Topic: Malnutrition in children. Stunting, wasting, overweight and underweight. (https://apps.who.int/nutrition/landscape/help.aspx?menu=0&helpid=391&lang=EN); ²In NFHS-3, 16.4% of data was missing, while 11.6% of data was missing in NFHS-4. ³NA refers to the unavailability of data for a particular indicator in the specified NFHS round.

MIZORAM

Map 1 & 2. Number of stunted & anemic children <5y, 2019-2020

Map 1. Stunting

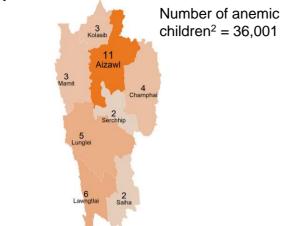


Note: Number in '000s in the above figure

Highest burden districts			
1	Aizawl	6,869	
2	Lawangtlai	3,751	
3	Lunglei	3,413	
4	Champhai	2,908	
5	Saiha	2,195	
a of districts with weblic boolth concern1. O of O			

No. of districts with public health concern¹: 8 of 8

Map 2. Anemia



Note: Number in '000s in the above figure

Highest burden districts			
1	Aizawl	10,731	
2	Lawangtlai	5,699	
3	Lunglei	5,287	
4	Champhai	3,678	
5	Kolasib	3,347	

No. of districts with public health concern¹: 7 of 8

Map 3 & 4. Number of wasted children <5y, 2019-2020

Map 3. Wasting



Note: Number in '000s in the above figure

Highest burden districts			
1	Aizawl	1,982	
2	Lawangtlai	1,858	
3	Champhai	1,294	
4	Lunglei	1,224	
5	Kolasib	783	

No. of districts with public health concern¹: 4 of 8

Map 4. Severe Wasting



Number of severely wasted children² = 4253

Note: Number in '000s in the above figure

Highest burden districts			
1	Lawangtlai	1,308	
2	Champhai	813	
3	Aizawl	652	
4	Lunglei	425	
5	Kolasib	367	

No. of districts with public health concern¹: 7 of 8

Source: IFPRI estimates - The headcount was calculated as the product of the undernutrition prevalence and the total eligible projected population for each district in 2019. Prevalence estimates were obtained from NFHS-5 (2019-2020; all child data) and projected population for 2019 was estimated using Census 2011. ¹Public health concern is defined as \geq 20% for stunting, \geq 40% for anemia, \geq 10% for wasting, and \geq 2% for severe wasting (WHO 2011). ²The total number of children <5 years is 87,016.

Map 5 & 6. Number of underweight children (<5y) & women (15-49y), 2019-2020

Map 5. Underweight children



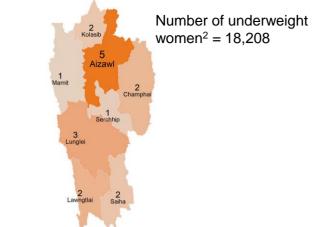
Number of underweight children² = 10,946

Note: Number in '000s in the above figure

Highest burden districts			
1	Aizawl	2,606	
2	Lawangtlai	1,939	
3	Lunglei	1,430	
4	Champhai	1,401	
5	Mamit	1,131	

No. of districts with public health concern¹: 0 of 8

Map 6. Underweight women



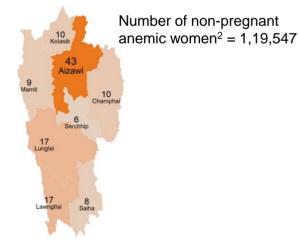
Note: Number in '000s in the above figure

Highest burden districts				
1	Aizawl	5,192		
2	Lunglei	3,021		
3	Lawangtlai	2,449		
4	Champhai	2,208		
5	Saiha	1,606		

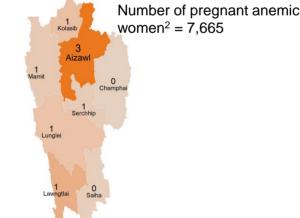
No. of districts with public health concern¹: 0 of 8

Map 7 & 8. Number of anemic women (15-49y), 2019-2020

Map 7. Anemia among non-pregnant women



Map 8. Anemia among pregnant women



Note: Number in '000s in the above figure

Highest	burden	districts

1	Aizawl	43,177
2	Lunglei	17,105
3	Lawangtlai	16,763
4	Champhai	9,935
5	Kolasib	9,527

No. of districts with public health concern¹: 2 of 8

Note: Number in '000s in the above figure

Highest burden districts			
Aizawl	2,719		
Lawangtlai	1,301		
Kolasib	832		
Lunglei	775		
Mamit	596		
	Aizawl Lawangtlai Kolasib Lunglei		

No. of districts with public health concern¹: 3 of 8

Source: IFPRI estimates - The headcount was calculated as the product of the undernutrition prevalence and the total eligible projected population for each district in 2019. Prevalence estimates were obtained from NFHS-5 (2019-2020; all child/woman data) and projected population for 2019 was estimated using Census 2011. ¹Public health concern is defined as \geq 20% for underweight (children), \geq 10% for underweight (women), \geq 40% for anemia among non-pregnant women, and \geq 40% for anemia among pregnant women (WHO2011). ²The total number of children <5 years is 87,016, pregnant women 15-49 years is 23,201, and non-pregnant women 15-49 years is 322,949.

Figure 2. Trends in overweight/obesity & NCDs¹ 2005-2006, <u>2015-2016, 2019-2020</u>

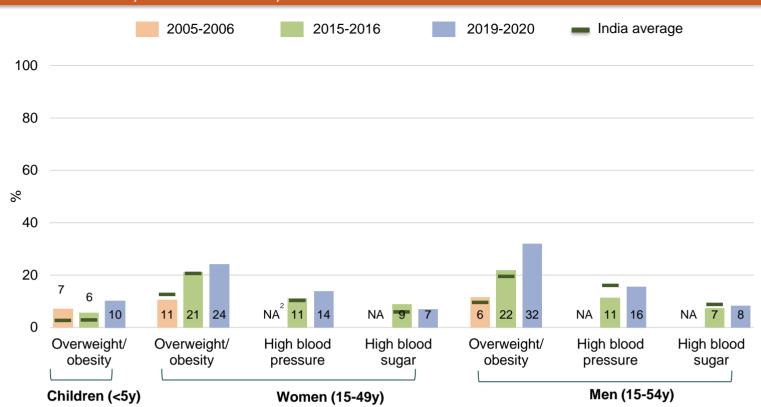


Table 1. Overweight/obesity & NCDs¹ at district-level 2015-2016, 2019-2020

Category	Outcomes	Worst performing districts (pp)	Best performing districts (pp)	Highest burden districts (thousands) ⁴	No of districts with public health concern ⁵ (total=8)
		Difference between (2019-2020) & (2015- 2016) ³	Difference between (2019-2020) & (2015- 2016)	2019-2020	2019-2020
Children <5 years	Overweight/ obesity	Lunglei: +6.0 Lawngtlai: +5.3	Not applicable	Aizawl: 3 Lunglei: 1	0
	Overweight/ obesity	Saiha: +9.6 Maimit: +8.5	Not applicable	Aizawl: 40 Lunglei: 10	6
Women (15-49 years)	High blood pressure	Kolasib: +4.9 Aizawl: +4.5	Sercchip: -1.2 Lunglei: -0.1	Aizawl: 22 Lunglei: 5	0
	High blood sugar	Saiha: +0.2	Sercchip: -4.3 Aizawl: -3.0	Aizawl: 9 Lunglei: 3	0
	Overweight /obesity	Data not available at	district level		
Men (15-54 years)	High blood pressure	Aizawl:+6.1 Kolasib:+4.5	Champhai: -3.6 Sercchip: -2.5	Aizawl: 36 Lunglei: 9	4
	High blood sugar	Saiha: +0.3	Kolasib: -7.6 Sercchip: -4.1	Aizawl: 9 Lunglei: 5	0

Source: NFHS-3 (2005-2006), NFHS-4 (2015-2016), and NFHS-5 state and district factsheets (2019-2020). pp: percentage points.

Note: Adult nutrition outcomes are based on the woman/man dataset, while child nutrition outcomes are based on all child data.

¹NCDs : non-communicable diseases; ²NA refers to the unavailability of data for a particular indicator in the specified NFHS round. ³The difference is calculated only between districts that are comparable between 2015-2016 and 2019-2020. All 8 districts are comparable. ⁴Burden: The headcount was calculated as the product of the overweight/obesity and NCDs prevalence and the total eligible projected population for each district in 2019. Prevalence estimates were obtained from NFHS-5 (2019-2020) and projected population for 2019 was estimated using Census 2011. ⁵Public health concern is defined as prevalence ≥15% for overweight/obesity (children), ≥20% for overweight/obesity (women and men), ≥20% high blood pressure (women and men), and ≥20% high sugar (women and men) (WHO 2011).

Figure 3. Trends in immediate determinants (%) 2005-2006, 2015-2016, 2019-2020

Category	Immediate determinants	2005-2006	2015-2016	2019-2020
	Early initiation of breastfeeding	65	74	60
	Exclusive breastfeeding	48	61	68
	Timely introduction of complementary foods ^o	29	72	57
IVCE practices	Continued breastfeeding at 2 years	100	84	
IYCF practices	Adequate diet ^o	7	— 14	13
	Eggs and/or flesh foods consumption, 6-23m	25	61	
	Sweet beverage consumption, 6-23m	— 15	41	
	Bottle feeding of infants, 6-23m	17	— 14	
Maternal	Women with body mass index <18.5 kg/m2º	= 1 8	9	5
determinants	Consumed IFA 100+ days	— 19	55	62
Diseases	Diarrhea in the last two weeks ^o	— 14	9	• 4
DISEASES	ARI in the last two weeks⁰	5	2	● 1

Table 2. Immediate determinants at district-level 2015-2016, 2019-2020

Category	Immediate determinants	Worst performing districts (pp)	Best performing districts (pp)	Top coverage districts (%) ²
		Difference between (2019-2020) & (2015-2016)¹	Difference between (2019-2020) & (2015-2016)	2019-2020
	Early initiation of breastfeeding	Saiha: -43.0 Maimit: -30.4	Champhai: +8.1 Lunglei: +1.0	Champhai: 70.7 Lunglei: 63.8
IYCF	Exclusive breastfeeding	Saiha: -2.2 Sercchip: -1.2	Lawngtlai: +21.8 Kolasib: +2.8	Kolasib: 73.4 Saiha: 72.1
practices	Timely introduction of complementary foods ⁰	Data not available		
	Adequate diet ^o	Champhai: -13.9 Serchhip: -6.4	Kolasib: +6.3 Mamit: +2.5	Kolasib: 23.2 Aizawl: 17.9
Maternal determinants	Women with BMI<18.5 kg/m2⁰	Not applicable ³	Mamit: -7.1 Saiha: -5.3	Champhai: 5.8 Mamit: 4.1
Geterminants	Consumed IFA 100+ days	Aizawl: -3.4 Saiha: -3.4	Lunglei: +23.9 Champhai: +20.6	Champhai: 74.3 Serchhip: 73.0
Disesso	Diarrhea in the last two weeks ⁰	Saiha: +4.1	Mamit: -10.4 Champhai: -7.1	Champhai: 0.8 Mamit: 0.6
Diseases	ARI in the last two weeks⁰	Not applicable ³	Aizawl: -3.2 Serchhip: -1.7	Champhai: 0 Mamit: 0

pp: percentage points.

Source: NFHS-3 (2005-2006), NFHS-4 (2015-2016), and NFHS-5 state and district factsheets and state reports (2019-2020).

Note: Immediate determinants are based on the last child data; data on continued breastfeeding at 2 years, egg and/or flesh foods consumption, sweet beverage consumption, and bottle feeding of infants not available in NFHS-5 factsheets (2019-20)/state report. ⁰Indicator definition differs slightly between NFHS-4 and NFHS-5 factsheets (2019-20)/state report. ⁰Indicator definition differs slightly between NFHS-4 and NFHS-5 factsheets (2019-20)/state report. ⁰Indicator definition differs slightly between NFHS-4 and NFHS-6 and 2019-2020. ²For all indicators, top coverage districts refer to the districts with the highest prevalence in immediate determinants, except for women with a BMI of 18.5 kg/m2, diarrhea in the last two weeks, and ARI in the last two weeks, for which it refers to the districts with the lowest prevalence in coverage. ³Prevalence did not increase or decrease in any of the districts.

Figure 4. Trends in underlying determinants (%) 2005-2006, 2015-2016, 2019-2020

Category	Underlying determinants	2005-2006	2015-2016	2019-2020
Maternal determinants	Women who are literate ^o	91	92	94
	Women with ≥10 years education ^o	23	35	50
	Girls 20-24 years married before age of 18 years ^o	40	30	8
	Women 15-19 years with child or pregnant		7	4
Household determinants	HHs with improved drinking water source ^o	82	90	96
	HHs with improved sanitation facility ^o	74	81	95
	HHs with hand washing facility		94	
	Open defecation ^o	— 3	• 1	• 0
	Safe disposal of feces	67	75	
	HHs with BPL card ^o	30	26	25
	HHs with electricity ^o	89	95	98

Table 3. Underlying determinants at district-level 2015-2016, 2019-2020

Category	Underlying determinants	Worst performing districts (pp)	Best performing districts (pp)	Top coverage districts (%) ²
		Difference between (2019-2020) & (2015-2016) ¹	Difference between (2019-2020) & (2015-2016)	2019-2020
	Women who are literate ^o	Lunglei: -1.4 Saiha: -0.1	Mamit: +15.0 Lawngtlai: +8.0	Serchhip: 99.7 Aizawl: 98.9
Maternal	Women with ≥10 years education⁰	Not applicable ³	Champhai: +22.8 Mamit: +22.0	Aizawl: 60.7 Saiha: 50.2
determinants	Girls 20-24 years married before age of 18 years ⁰	Not applicable ³	Lunglei: -34.6 Champhai: -28.7	Lunglei: 4.8 Aizawl: 3.2
	Women 15-19 years with child or pregnant	Mamit: +4.6 Lawngtlai: +2.7	Lunglei: -6.3 Kolasib: -5.6	Kolasib: 2.2 Aizawl: 2.0
Household determinants	HHs with improved drinking water source ⁰	Kolasib: -0.8	Mamit: +20.2 Aizawl: +6.3	Champhai: 98.6 Aizawl: 98.3
	HHs with improved sanitation facility ⁰	Not applicable	Mamit: +32.2 Lawngtlai: +26.2	Champhai: 98.3 Serchhip: 98.2
	HHs with electricity ⁰	Lunglei: -0.5	Lawngtlai: +16.8 Mamit: +14.9	Champhai: 100 Aizawl, Saiha: 99.7

pp: percentage points. Source: NFHS-3 (2005-2006), NFHS-4 (2015-2016), and NFHS-5 state and district factsheets and state reports (2019-2020). Note: Underlying determinants are based on the last child data; safe disposal of feces not available in NFHS-5 factsheets (2019-20)/state report and data on HHs with hand washing facility not available in NFHS-3 (2005-06) and NFHS-5 factsheets (2019-20)/state report. Data on open defecation and HHs with BPL card for 2019-2020 are taken from NFHS-5 state reports.

⁰Indicator definition differs slightly between NFHS-4 and NFHS-5.¹The difference is calculated only between districts that are comparable between 2015-2016 and 2019-2020; ²For all indicators, top coverage districts refer to the districts with the highest prevalence in underlying determinants, except for girls 20-24 years married before age of 18 years and women 15-19 years with child or pregnant for which it refers to the districts with the lowest prevalence in coverage. ³Prevalence did not increase or decrease in any of the districts.

Figure 5. Trends in interventions across the first 1,000 days (%) 2005-2006, 2015-2016, 2019-2020

000		2020		
	Intervention	2005-2006	2015-2016	2019-2020
Pre-pregnancy and during pregnancy	Demand for FP satisfied	78	65	61
	lodized salt ^o	99	99	99
	Any ANC visits	75	89	
	ANC first trimester	43	65	73
	≥ 4ANC	46	61	58
	Received MCP card	53	87	96
	Received IFA tab/syrup	62	84	88
dur	Tetanus injection	66	80	80
p	Deworming	4	6	1 5
ar	Weighing	64	85	97
Š	Birth preparedness counselling	6	• 1	
nal	Breastfeeding counselling	24	39	94
eg.	Counselling on keeping baby warm		82	92
p	Cord care counselling		27	82
Pre	Food supplementation ^o	50	67	69
	Health & nutrition education ^o	— 14	40	50
	Malaria prevention- use of bed nets		97	
	Institutional birth ^o	62	81	86
<u> </u>	Financial assistance (JSY)		39	40
ata	Skilled birth attendant ^o	68	85	88
Delivery and post-natal	Postnatal care for mothers	50	64	68
S S	Postnatal care for babies	• 1	— 11	37
ŏ°	Food supplementation ^o	49	62	68
	Health & nutrition education ^o	— 13	37	50
	Full immunization ^o	46	51	73
	Vitamin A ^o	37	68	66
	Pediatric IFA ^e	21	2 5	2 6
Childhood	Deworming ^o	37	54	42
	Care seeking for ARI ^o	52	5 2	53
	ORS during diarrhea ^o	4 7	73	71
	Zinc during diarrhea ^o	• 1	30	3 0
	Food supplementation (6-35 months)	55	73	
	Weighing	32	5 9	62
	Counselling on child growth	— 7	2 4	57

Source: NFHS-3 (2005-2006), NFHS-4 (2015-2016) & NFHS-5 state factsheets and state reports (2019-2020).

Note 1 : Interventions' coverage is based on the last child data.

Note 2: The following information is not available in the NFHS-5 factsheets and state reports (2019-20): receipt of at least one ANC visit, birth preparedness counselling, malaria prevention and food supplementation (6-35m). Information on use of bed nets during pregnancy is not available in NFHS-3 data (2006). Note 3: Data on food supplementation and health and nutrition education during pregnancy and post-natal care, and weight measurement during childhood and counselling on child growth for 2019-2020 are taken from NFHS-5 state reports.

Note 4: Refer to district dashboard for the inter-district variability in the coverage of interventions.

^oIndicator comparable between NFHS-3 and NFHS-4 but differs slightly from NFHS-5.

Intervention coverage at district-level, 2019-2020

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Early childhood

Delivery & postnatal

Note 1: The following information is not available in the NFHS-5 factsheets and state reports (2019-20): (1) Information on preconception and pregnancy-related indicators including demand for FP satisfied,

Source: NFHS-5 district factsheets and state reports (2019-20)

receipt of at least one ANC visit, weighing, birth preparedness and breastfeeding counselling, counselling on keeping baby warm, cord care counselling, food supplementation, health and nutrition education and malaria prevention; (2) Lactation-related indicators including, food supplementation and health and nutrition education; and (3) early childhood-related indicators including pediatric IFA, deworming, food supplementation (6-35m), weighing and counselling on child growth. Information on use of bed nets during pregnancy not available in NFHS-3 data (2005-2006). Note 2: Food supplementation during early childhood is for children aged 6-35 months; counselling on child growth during early childhood is conducted after taking weight measurement

Table 4. Intervention coverage at district-level 2015-2016, 2019-2020

Category	Interventions	Worst performing districts (pp)	Best performing districts (pp)	Top coverage districts (%)
		Difference between (2019-2020) & (2015-2016) ¹	Difference between (2019-2020) & (2015-2016)	2019-2020
	ANC first trimester	Saiha: -3.2	Champhai: +19.9 Serchhip: +11.3	Aizawl: 82.8 Champhai: 80.0
Pregnancy	≥4 ANC visits	Saiha: -12.6 Aizawl: -8.0	Champhai: +7.5 Lunglei, Mamit: +7.2	Aizawl: 68.5 Kolasib: 66.0
	Received MCP Card	Not applicable ²	Lawngtlai: +37.6 Mamit: +19.0	Champhai:100 Serchhip: 99.3
	Tetanus injection	Saiha: -9.2 Aizawl: -3.7	Lawngtlai: +17.6 Mamit: +5.4	Champhai:85.9 Serchhip: 85.1
Delivery and post-natal	Institutional birth°	Not applicable	Mamit: +15.3 Champhai: +12.6	Aizawl: 97.4 Champhai: 96.7
	Skilled birth attendant°	Aizawl: -0.1	Mamit: +11.0 Champhai: +8.6	Aizawl: 97.8 Champhai: 97.5
	Postnatal care for mothers	Aizawl: -2.0	Serchhip: +17.1 Mamit: +15.0	Serchhip: 86.2 Aizawl 73.4
	Postnatal care for babies°	Not applicable	Champhai: +43.3 Mamit: +33.4	Champhai: 52.1 Mamit: 44.9
Early childhood	Full immunization	Not applicable	Mamit: +43.1 Champhai: +36.6	Mamit: +85.9 Champhai: +85.3
	Vitamin A supplementation°	Champhai: -10.8 Kolasib: -6.5	Lawngtlai: +9.8 Saiha: +3.2	Aizawl: 71.6 Saiha: 68.0
	Care seeking for ARI°	Saiha: -16.4	Serchhip: +6.3 Aizawl: +1.0	Aizawl: 57.3 Serchhip: 43.6
	ORS treatment during diarrhea°	Data not available	Saiha: +18.2	Saiha: 74.7
	Zinc treatment during diarrhea°	Data not available	Saiha: +16.3	Saiha: 48.2

Key takeaways

Children: Stunting and underweight prevalence declined by 12pp and 9pp, respectively, between 2006 and 2016 but increased by 1pp between 2016 and 2020. Anemia declined by 24pp between 2006 and 2016 but increased by 26pp between 2016 and 2020.

Women: Underweight consistently declined by 15pp between 2006 and 2016 and further by 4pp between 2016 and 2020. Anemia declined by 8pp among non-pregnant women and by 2pp among pregnant women between 2006 and 2016 but increased by 4-5pp between 2016 and 2020. Overweight/ obesity increased by 9pp between 2006 and 2016, and further by 3pp between 2016 and 2020.

Men: Overweight/obesity increased by 16pp between 2006 and 2016, and by 10pp between 2016 and 2020. **Attention is needed to improve** (%s in 2020):

- **Outcomes:** Stunting (29%) and anemia among children (46%); anemia among women (63-64%)
- *Immediate determinants:* Early initiation of breastfeeding (60%); timely introduction of complementary foods (57%); adequate diet for children (13%)
- Underlying determinants: Women with ≥10 years education (50%)
- **Coverage of interventions:** ≥4 ANC visits (58%), health and nutrition education for women (50%); postnatal care for babies (37%), zinc during diarrhea (30%), growth monitoring (62%)

Source: NFHS-3 (2005-2006), NFHS-4 (2015-2016), and NFHS-5 state and district factsheets (2019-2020). pp: percentage points. Note: Interventions' coverage are based on the last child data. ⁰Indicator definition differs slightly between NFHS-4 and NFHS-5; ¹The difference is calculated only between districts that are comparable between 2015-2016 and 2019-2020. All 8 districts are comparable between 2015-2016 and 2019-2020. All 8 districts are comparable between 2015-2016 and 2019-2020. ²Prevalence did not increase or decrease in any of the districts.

Indicator definition

Nutrition outcomes	Definition
_ow birth weight	Percentage of live births in the five years preceding the survey with a reported birth weight less than 2.5 kg, based or either a written record or the mother's recall
Stunting among children	Percentage of children aged 0-59 months who are stunted i.e., height-for-age z score < -2SD
Vasting among children	Percentage of children aged 0-59 months who are wasted i.e., weight-for-height z score < -2SD
Severe wasting among children	Percentage of children aged 0-59 months who are wasted i.e., weight-for-height z score < -3SD
Jnderweight children	Percentage of children aged 0-59 months who are underweight i.e., weight-for-age z score < -2SD
Anemia among children	Percentage of children aged 6-59 months who are anemic i.e., (Hb <11.0 g/dl)
Jnderweight women	Percentage of women aged 15-49 whose Body Mass Index (BMI) is below normal (BMI <18.5 kg/m2)
Anemia among non-pregnant vomen	Percentage of non-pregnant women aged 15-49 who are anemic (<12.0 g/dl)
Anemia among pregnant women	Percentage of pregnant women aged 15-49 who are anemic (<11.0 g/dl)
Overweight/obesity - children	Percentage of children aged 0-59 months who are overweight i.e., weight-for-height z score > 2SD
Overweight/obesity - women	Percentage of men aged 15-54 who are overweight or obese (BMI ≥25.0 kg/m2)
Overweight/obesity - men	Percentage of men aged 15-54 who are overweight or obese (BMI ≥25.0 kg/m2)
High blood pressure among women^	Percentage of women aged 15-49 with elevated blood pressure (Systolic >140 mm Hg or diastolic >90 mm Hg)
High blood pressure among men^	Percentage of men aged 15-54 with elevated blood pressure (Systolic >140 mm Hg or diastolic >90 mm Hg)
High sugar level among women^	Percentage of women aged 15-49 with elevated blood pressure (Systolic >140 mm Hg or diastolic >90 mm Hg)
High sugar level among men^	Percentage of men aged 15-54 with high blood sugar levels (141-160 mg/dl)
mmediate determinants	
Early initiation of breastfeeding	Percentage of children under aged 3 years breastfed within one hour of birth for the last child born in the 3 years before the survey
Exclusive breastfeeding	Percentage of youngest children under aged 6 months living with mother who were exclusively breastfed
Timely introduction of	¹ Percentage of youngest children aged 6-8 months living with mother who received solid or semi-solid food during the previous day; ² Percentage of youngest children aged 6-8 months living with mother who received solid or semi-solid
complementary foods ⁰ Continued breastfeeding at 2 years ^{\$}	food and breastmilk Percentage of youngest children 12–23 months of age who were fed breast milk during the previous day
Adequate diet	Percentage of youngest children 6-23 months of age who consumed a minimum acceptable diet during the previous
Eggs and/or flesh foods	day
consumption ^{\$}	Percentage of youngest children 6-23 months of age who consumed egg and/or flesh food during the previous day
Sweet beverage ^{\$}	Percentage of youngest children 6-23 months of age who consumed a sweet beverage during the previous day
Bottle feeding for infants ^{\$}	Percentage of youngest children 0-23 months of age who were fed from a bottle with a nipple during the previous d
Women with body mass index <18.5 kg/m ²⁰	¹ Percentage of women aged 15-49 with a youngest child < 5 years who have BMI below normal (BMI <18.5 kg/m2) ² Percentage of women aged 15-49 whose BMI is below normal (BMI <18.5 kg/m ²)
Consumed IFA 100+ days	Percentage of mothers aged 15-49 who consumed iron folic acid for 100 days or more during the last pregnancy in last five years preceding the survey
Diarrhea in the last two weeks ⁰	¹ Percentage of youngest children under age five who had diarrhea in the two weeks preceding the survey; ² Percentage of children under age 5 who had diarrhea in the 2 weeks preceding the survey
ARI in the last two weeks ⁰	¹ Percentage of youngest children under age five who had symptoms of acute respiratory infection (ARI) in the two weeks preceding the survey; ² Percentage of children under age five who had symptoms of acute respiratory infection (ARI) in the two weeks preceding the survey
Underlying determinants	
Women who are literate ⁰	¹ Percentage of women aged 15-49 with a birth in five years preceding the survey who are literate i.e., those who completed standard 6 or higher and can read a whole sentence; ² Percentage of women aged 15-49 who are literat i.e., those who completed standard 9 or higher and can read a whole sentence or part of a sentence.
Women with ≥10 years education ⁰	¹ Percentage of women aged 15-49 with a birth in five years preceding the survey with 10 or more years of schoolin ² Percentage of women aged 15-49 with 10 or more years of schooling
Girls 20-24 years married before age of 18 years ⁰	¹ Percentage of women aged 20-24 years with a birth in five years preceding the survey who were married before ag 18 years; ² Percentage of women aged 20-24 years who were married before age 18 years
Women 15-19 years with child or pregnant	Percentage of currently married women aged 15-49 who had their first birth before age 20 years and in the five year preceding the survey
HHs with improved drinking water source ⁰	¹ Percentage of youngest children under age 5 living in household that use an improved source of drinking water; ² Population living in households that use an improved sanitation facility
HHs with improved sanitation	¹ Percentage of youngest children under age 5 living in household that uses improved toilet facility; ² Population living
facility ⁰	in households that use an improved sanitation facility
HHs with hand washing facility ^{^\$}	Percentage of youngest children under age 5 living in household that had soap and water for washing hands
Open defecation [@] Safe disposal of feces ^{\$}	Percentage of youngest children under age 5 living in household that has no toilet facility/defecates in open Percentage of youngest children living with mother whose stools were disposed of safely
HHs with BPL card [®]	Percentage of youngest children under age 5 living in households with BPL card
	¹ Percentage of youngest children under age 5 living in household that has electricity; ² Population living in household
HHs with electricity ⁰	with electricity

[^] Indicator not available in NFHS-3. ^{\$} Indicator not available in NFHS-5 factsheets/state reports ⁰Indicator comparable between NFHS-3 and NFHS-4 but differs slightly from NFHS-5. [®] Indicator not available in NFHS-5 factsheets but available in NFHS-5 states reports. ¹ Definition per NFHS-3/NFHS-4. ² Definition as per NFHS-5 factsheet.

Indicator definition

Interventions	Definition
Demand for FP satisfied [®]	Percentage of currently married women aged 15-49 with demand for family planning satisfied by modern methods
lodized salt ⁰	¹ Percentage of women aged 15-49 living in HHs that use iodized salt; ² Percentage of households using iodized salt
Any ANC visits ^{\$}	Percentage of women aged 15-49 with a live birth in the five years who received at least one ANC for the last birth
ANC first trimester	Percentage of women (15-49 years of age) attended by any provider during the first trimester of pregnancy that led to
	the birth of the youngest child in the last 2 years
≥ 4ANC	Percentage of mothers aged 15-49 who had at least 4 antenatal care visits for last birth in the 5 years before the
Received MCP card	survey Percentage of mothers who registered last pregnancy in the 5 years preceding the survey for which she received a
Received Mer Card	Mother and Child Protection (MCP) card
Received IFA tab/syrup [@]	Percentage of women who received IFA (given or purchased) tablets during the pregnancy for their most recent live
······································	birth in the 5 years preceding the survey
Tetanus injection	Percentage of women whose last birth was protected against neonatal tetanus (for last birth in the five years
	preceding the survey)
Deworming- pregnancy [@]	Percentage of women who took an intestinal parasite drug during the pregnancy for their most recent live birth in the
NA/-i-t-i-	5 years preceding the survey
Weighing- pregnancy [@]	Percentage of women aged 15-49 with a live birth in the five years preceding the survey who were weighed during ANC for the last birth
Birth preparedness counselling ^{\$}	Percentage of women who had at least one contact with a health worker in the three months preceding the survey
Dittripreparedness coursening	and were counselled on birth preparedness; calculated among women aged 15-49 who gave birth in the five years
	preceding the survey
Breastfeeding counselling [@]	Percentage of women who met with a community health worker in the last three months of pregnancy and received
	advice on breastfeeding (for the last pregnancy in the five years preceding the survey)
Counselling on keeping baby	Percentage of women who met with a community health worker in the last three months of pregnancy and received
warm@	advice on keeping the baby warm for their most recent live birth in the five years preceding the survey
Cord care counselling ^{^@}	Percentage of women who met with a community health worker in the last three months of pregnancy and received
Feed overlage extension	advice on cord care for their most recent live birth in the five years preceding the survey
Food supplementation - pregnancy [®]	¹ Percentage of youngest children under age 5 whose mother received supplementary food from AWC during pregnancy; ³ Among children under 6 years, percentage whose mother received specific benefits from AWC during
pregnancy	pregnancy: supplementary food
Health & nutrition education –	¹ Percentage of mothers who received health and nutrition education from an Anganwadi Centre (AWC) during last
pregnancy@	pregnancy in the five years preceding the survey; ³ Among children under 6 years, percentage whose mother received
	specific benefits from AWC during pregnancy: health and nutrition education
Malaria prevention- use of bed	Percentage of women who used mosquito net during the pregnancy for their most recent live birth in the 5 years
nets^\$	preceding the survey
Institutional birth ⁰	¹ Percentage of women aged 15-49 who gave birth in health/institutional facility for their most recent live birth in the 5
	years preceding the survey; ² Percentage of live births to women aged 15-49 in the five years preceding the survey
Financial accistance (ISV)®	that took place in a health/institutional facility Percentage of women who received financial assistance under JSY for their most recent live birth that took place in
Financial assistance (JSY) [®]	institutional facility in the 5 years preceding the survey
Skilled birth attendant ⁰	¹ Percentage of women whose last delivery was attended by a skilled health personnel for their most recent live birth
	in the 5 years preceding the survey; ² Percentage of births attended by skilled health personnel for births in the 5
	years before the survey
Postnatal care for mothers	Percentage of mothers who received postnatal care from a doctor/nurse/LHV/ANM/midwife/other health personnel
	within 2 days of delivery for their most recent live birth in the five years preceding the survey
Postnatal care for babies	Percentage of children who received postnatal care from a doctor /nurse /LHV /ANM /midwife /other health personnel
Food supplementation – postnatal [@]	within 2 days of delivery for last birth in the 5 years before the survey ¹ Percentage of youngest children under age 5 whose mother received supplementary food from AWC while
Pood supplementation – postilatai°	breastfeeding; ³ Among children under 6 years, percentage whose mother received specific benefits from AWC while
	breastfeeding: supplementary food
Health & nutrition education –	¹ Percentage of youngest children under age 5 whose mother received health check-ups from AWC while
postnatal@	breastfeeding; ³ Among children under 6 years, percentage whose mother received specific benefits from AWC while
	breastfeeding: health and nutrition education
Full immunization ⁰	¹ Percentage of youngest living children aged 12-23 months fully vaccinated based on information from either
	vaccination card or mother's recall; ² Percentage of children aged 12-23 months fully vaccinated based on information
	from either vaccination card or mother's recall
Vitamin A – early childhood ⁰	¹ Percentage of youngest children aged 6-59 months who received Vitamin A supplementation in the last 6 months preceding the survey; 2 Percentage of children aged 9-35 months who received a vitamin A dose in the last 6 months
Pediatric IFA ^{0@}	Percentage of youngest children aged 6-59 months who received iron supplements in the past 7 days preceding the
	survey
Deworming – early childhood ^{0@}	Percentage of youngest children aged 6-59 months who received deworming tablets in the last 6 months preceding
	the survey
Care seeking for ARI ⁰	¹ Percentage of youngest children under age 5 years with fever or symptoms of ARI in the 2 weeks preceding the
	survey taken to a health facility or health provider; ² Percentage of children under age 5 years with fever or symptoms
ODC during diagetrand	of ARI in the 2 weeks preceding the survey taken to a health facility or health provider
ORS during diarrhea ⁰	¹ Percentage of youngest children under age 5 years with diarrhea in the 2 weeks preceding the survey who received
	oral rehydration salts (ORS); 2Percentage of children under age 5 years with diarrhea in the 2 weeks preceding the survey who ORS
Zinc during diarrhea ⁰	¹ Percentage of youngest children under age 5 years with diarrhea in the 2 weeks preceding the survey who
	received zinc; ² Percentage of children under age 5 years with diarrhea in the 2 weeks preceding the survey who
	received zinc
Food supplementation (children 6-	Percentage of youngest children aged 6-35 months who received food supplements from AWC in the 12 months
35 months) ^{\$}	preceding the survey
Weighing – early childhood [®]	Percentage of youngest children under age 5 who were weighed at AWC in the 12 months preceding the survey
Counselling on child growth [®]	Percentage of youngest children under age 5 whose mother received counselling from an AWC after child was weighed in the 12 months preceding the survey

[^] Indicator not available in NFHS-3. ^{\$}Indicator not available in NFHS-5 factsheets/state reports. [@]Indicator not available in NFHS-5 factsheets but available in NFHS-5 states reports. ⁰Indicator comparable between NFHS-3 and NFHS-4 but differs slightly from NFHS-5. ¹Definition per NFHS-4. ²Definition as per NFHS-5 factsheet. ³Definition as per NFHS-5 state reports.

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ABOUT POSHAN

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ABOUT DATA NOTES

POSHAN Data Notes focus on data visualization to highlight geographic and/or thematic issues related to nutrition in India. They draw on multiple sources of publically available data.

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