

Data Note

No. 87 | MARCH 2022

UTTAR PRADESH

State Nutrition Profile: Uttar Pradesh

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 are based on estimates using unit-level data, data from national and state reports from the National Family Health Survey (NFHS)-3 (2005-2006) and NFHS-4 (2015-2016), and data from state factsheets and reports from NFHS-5 (2019-2021). In addition to standard prevalence-based analyses, this Data Note includes headcount-based analyses aligned to the POSHAN Abhiyaan monitoring framework 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, and men, and identifies areas where the state has potential to improve.

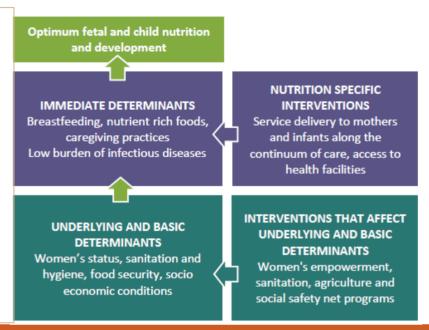
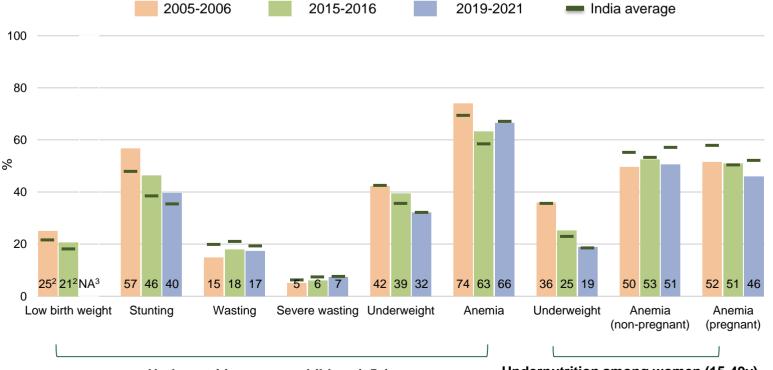


Figure 1. Trends in undernutrition outcomes 2005-2006, 2015-2016, 2019-2021



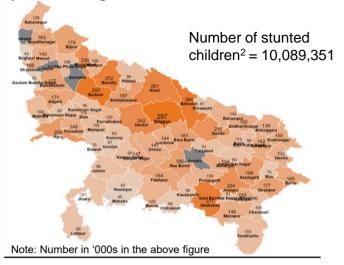
Undernutrition among children (<5y)

Undernutrition among women (15-49y)

Source: NFHS-3 (2005-2006) national report and data [IFPRI estimates] and NFHS-5 (2019-2021) national and state factsheets. Anemia among non-pregnant and pregnant women for 2005-2006 are IFPRI estimates using woman dataset. 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, 87.9% of data were missing and 46.6% of data were missing in NFHS-4. ³NA refers to the unavailability of data for a particular indicator in the specified NFHS round.

Map 1 & 2. Number of stunted & anemic children <5y, 2019-2021

Map 1. Stunting

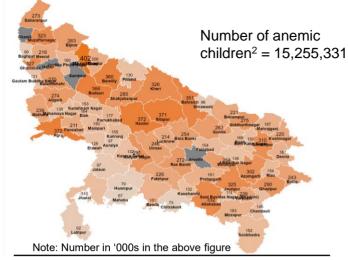


Highest burden districts

1	Sitapur	297,005
2	Budaun	292,641
3	Bahraich	284,414
4	Allahabad	277,330
5	Bareilly	271,728

No. of districts with public health concern¹: 75 of 75

Map 2. Anemia



Highest burden districts				
1	Moradabad	402,379		
2	Agra	372,500		
3	Hardoi	371,987		
4	Sitapur	370,619		
5	Budaun	366,328		

No. of districts with public health concern¹: 75 of 75

Map 3 & 4. Number of wasted children <5y, 2019-2021

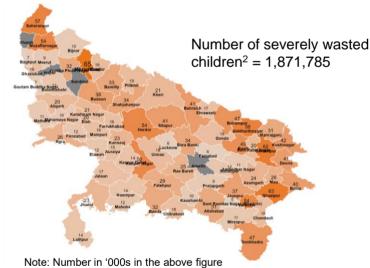
Map 3. Wasting



Highest burden districts				
1	Moradabad	126,853		
2	Hardoi	121,493		
3	Gorakhpur	119,563		
4	Ghazipur	115,906		
5	Muzaffarnagar	113,863		

No. of districts with public health concern¹: 72 of 75

Map 4. Severe Wasting

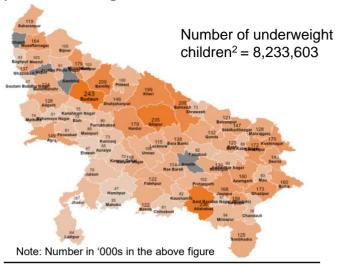


Highest burden districts				
1	Moradabad	65,184		
2	Ghazipur	62,852		
3	Gorakhpur	61,601		
4	Siddharthnagar	58,370		
5	Saharanpur	57,395		

No. of districts with public health concern¹: 73 of 75

Map 5 & 6. Number of underweight children (<5y) & women (15-49y), 2019-2021

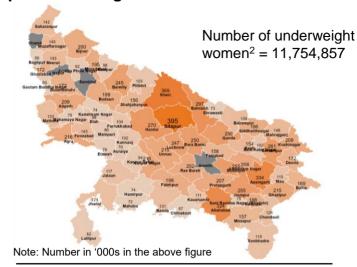
Map 5. Underweight children



Highest burden districts Budaun 243,086 1 2 Allahabad 238,956 235,243 Sitapur Bareilly 208,758 Bahraich 207,621

No. of districts with public health concern1: 75 of 75

Map 6. Underweight women

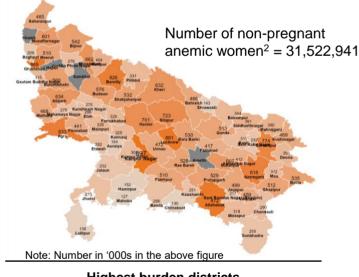


Highest burden districts				
1	Sitapur	394,974		
2	Kheri	369,160		
3	Azamgarh	333,870		
4	Allahabad	324,468		
5	Bahraich	296,967		

No. of districts with public health concern¹: 73 of 75

Map 7 & 8. Number of anemic women (15-49y), 2019-2021

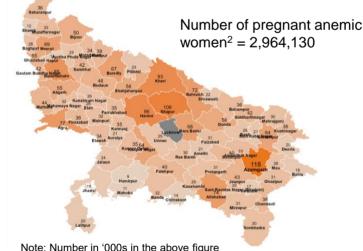
Map 7. Anemia among non-pregnant women



Highest burden districts				
1 Kanpur Nagar	896,712			
2 Lucknow	881,278			
3 Allahabad	872,313			
4 Ghaziabad	869,352			
5 Agra	833,175			

No. of districts with public health concern¹: 70 of 75

Map 8. Anemia among pregnant women



Note: Number in '000s in the above figure

Highest burden districts

	9	
1	Azamgarh	118,279
2	Sitapur	105,667
3	Hardoi	96,431
4	Kheri	92,618
5	Bulandshahr	85,208

No. of districts with public health concern¹: 50 of 74

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 (2019-2021) district factsheets, and the projected population for 2019 was estimated using Census 2011. ¹Public health concern is defined as ≥20% for underweight (children), ≥10% for underweight (women), ≥40% for anemia among non-pregnant women, and ≥40% for anemia among pregnant women (WHO 2011). ²The total number of children <5 years is 25,647,606, pregnant women 15-49 years is 6,679,264, and nonpregnant women 15-49 years is 55,388,306.

Figure 2. Trends in overweight/obesity & NCDs¹ 2005-2006, 2015-2016, 2019-2021

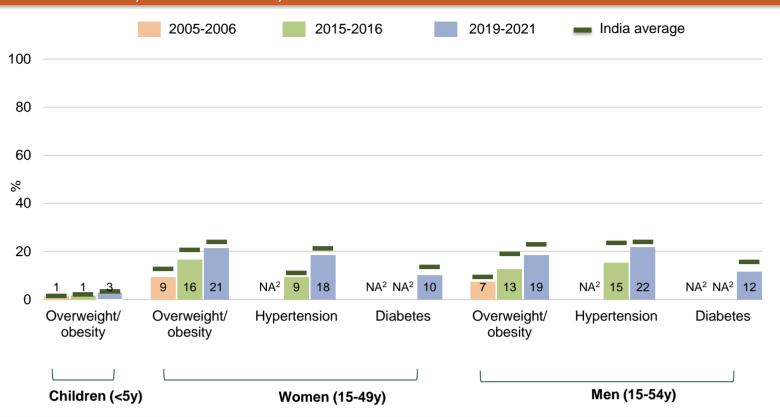


Table 1. Overweight/obesity & NCDs¹ at district-level 2015-2016, 2019-2021

Category	Outcomes	Worst performing districts (pp)	Best performing districts (pp)	Highest burden districts (thousands) ⁴	No of districts with public health concern ⁵ (total=75)
		Difference between (2019-2021) & (2015-2016) ³	Difference between (2019-2021) & (2015- 2016) ³	2019-2021	2019-2021
Children <5 years	Overweight/ obesity	Hamirpur: +7.1 Auraiya: +6.3	Banda: -3.6 Sonbhadra: -1.9	Hardoi: 29 Unnao: 27	0
Women	Overweight/ obesity	Pratapgarh: +13.1 2 Districts ⁶ : +12.9	Jhansi: -3.4 Saharanpur: -3.3	Ghaziabad: 680 Lucknow: 548	38
(15-49 years)	Hypertension	Mirzapur: +15.8 Banda: +15.2	Farrukhabad: -0.8	Lucknow: 335 Moradabad: 310	21
	Diabetes	NA ²		Ghaziabad: 278 Allahabad: 251	0
	Overweight /obesity	NA ²			
Men (15-54 years)	Hypertension	Mirzapur: +20.5 Mau: +16.0	Siddharthnagar:-6.6 Gorakhpur: -6.6	Ghaziabad: 379 Moradabad: 369	48
	Diabetes	NA ²		Ghaziabad:313 Allahabad: 293	2

Source: NFHS-3 (2005-2006) national report, NFHS-4 (2015-16) national report and data [IFPRI estimates], and NFHS-5 (2019-2021) national and state factsheets. Hypertension among men are IFPRI estimates for NFHS-4 using man dataset. Hypertension among women was estimated at the district-level for NFHS-4 using woman dataset pp: percentage points. ¹NCDs: non-communicable diseases. ²NA refers to the unavailability of data for a particular indicator in the specified NFHS round. Diabetes data for NFHS-4 are not included in the NFHS-5 factsheet because definition of diabetes is not comparable between NFHS-4 and 5. ³The difference is calculated only between districts that are comparable between 2015-2016 and 2019-2021. All districts except Amethi, Budaun, Ghaziabad, Hapur, Moradabad, Muzaffarnagar, Rae Bareli, Sambhal, Shamli, and Sultanpur are comparable across periods. ⁴Burden: The headcount was calculated as the product of the prevalence, and the total eligible projected population for each district in 2019. Prevalence estimates were obtained from NFHS-5 (2019-2021) district factsheets 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% hypertension (women and men), and ≥20% diabetes (women and men). Source: WHO (2011). ⁵Sant Ravidas Nagar, Bulandshahr.

Figure 3. Trends in immediate determinants (%) 2005-2006, 2015-2016, 2019-2021

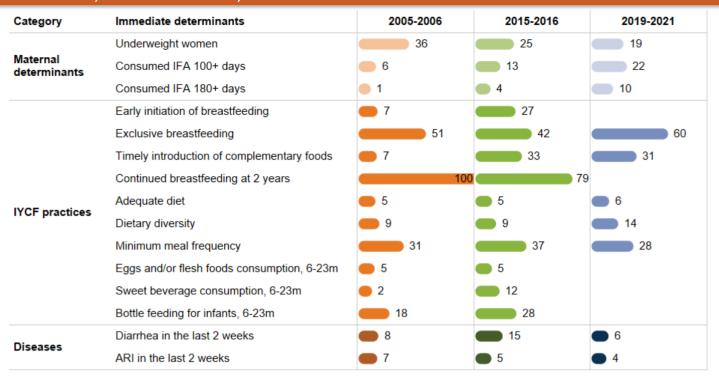


Table 2. Immediate determinants at district-level 2015-2016, 2019-2021

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Category	Immediate determinants	Worst performing districts (pp)	Best performing districts (pp)	Top coverage districts (%) ²
		Difference between (2019-2021) & (2015-2016) ¹	Difference between (2019-2021) & (2015-2016) ¹	2019-2021
Maternal	Underweight women	Banda: +2.6 2 Districts ³ : +0.9	Saharanpur: -15.0 Rampur: -14.4	Hapur: 9.4 Shamli: 9.8
determinants	Consumed IFA 100+ days	Mirzapur: -10.8 Kushinagar: -6.3	Rampur: +27.9 Etawah: +21.3	Ghaziabad: 47.8 Meerut: 35.5
	Early initiation of breastfeeding	NA ⁴		
IYCF	Exclusive breastfeeding	Lalitpur: -15.3 Etawah: -13.5	A.N. ⁵ : +50.6 Saharanpur: +44.1	Amethi: 72.6 Basti: 72.1
practices	Timely introduction of complementary foods	S.K.N. ⁵ : -38.2 Siddharthnagar:-17.1	K.N. ⁵ : +18.8 Farrukhabad: +9.2	K.N. ⁵ : 51.7 Farrukhabad: 48.5
	Adequate diet	Ballia: -9.8 Mau: -6.9	J.P.N.⁵: +11.6 Kannauj: +9.8	J.P.N. ⁵ : 16.8 Muzaffarnagar: 16.1
Diagona	Diarrhea in the last two weeks	Hamirpur: +4.2 Gonda: +1.4	Siddharthnagar: -25.0 2 Districts ⁶ : -22.4	Jalaun: 1.2 Shamli: 1.9
Diseases	ARI in the last two weeks	Shahjahanpur: +4.8 Mathura: +4.2	Kannauj: -9.5 Unnao: -8.2	J.P.N. ⁵ : 0.4 Muzaffarnagar: 0.5

Source: NFHS-3 (2005-2006) national and state reports and data [IFPRI estimates], NFHS-4 (2015-2016) state report and data [IFPRI estimates], and NFHS-5 factsheets (2019-2021). Adequate diet was estimated for NFHS-3 using last child data. Early initiation of breastfeeding, dietary diversity, minimum meal frequency, egg and/or flesh consumption, sweet beverage consumption, and bottle feeding of infants was estimated for NFHS-3 and -4 using last child data. Consumption of IFA 100+ days and consumption of IFA 180+ days is estimated for NFHS-3 using woman data. pp: percentage points

Note: Data on early initiation of breastfeeding (children born in last 2 years), 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 (2019-21)/state report. Definition of early initiation of breastfeeding is based on WHO guidelines.

¹The difference is calculated only between districts that are comparable between 2015-2016 and 2019-2021. All districts except Amethi, Budaun, Ghaziabad, Hapur, Moradabad, Muzaffarnagar, Rae Bareli, Sambhal, Shamli, and Sultanpur are comparable across periods. ²For all indicators, top coverage districts refer to the districts with the highest prevalence in immediate determinants, except for underweight women, 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. ³Gautam Buddha Nagar, Lucknow ⁴NA refers to the unavailability of data for a particular indicator in the specified NFHS round. ⁵District codes: S.K.N.: Sant Kabir Nagar, A.N.: Amberkar Nagar, J.P.N.: Jyotiba Phule Nagar, K.N.: Kanshiram Nagar ⁶Gorakhpur, Meerut.

Figure 4. Trends in underlying determinants (%) 2005-2006, 2015-2016, 2019-2021

Category	Underlying determinants	2005-2006	2015-2016	2019-2021
	Women with ≥10 years of education	18	33	39
Maternal determinants	Women 20-24 years married before age of 18 years	53	21	16
	Women 15-19 years with child or pregnant		4	3
	HHs with improved drinking water source	94	98	99
	HHs using improved sanitation facility	21	36	69
	HHs with hand washing facility		68	
Household determinants	Open defecation	67	54	23
	Safe disposal of feces	17	27	
	HHs with BPL card	— 14	25	34
	HHs with electricity	43	73	91

Table 3. Underlying determinants at district level 2015-2016, 2019-2021

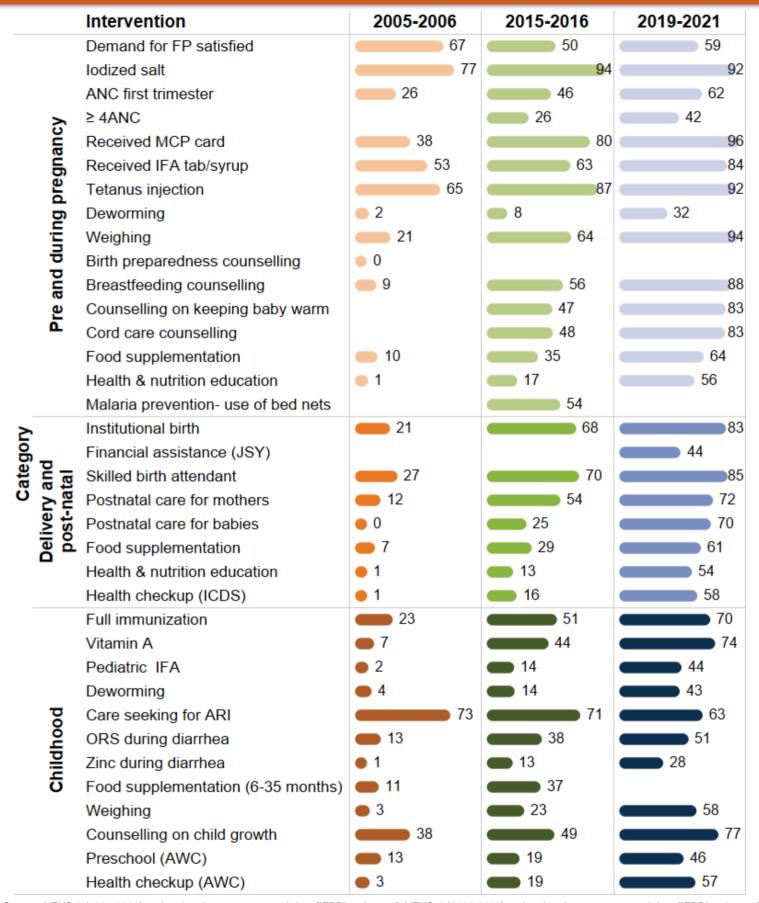
Category	Underlying determinants	Worst performing Best performing districts (pp)		Top coverage districts (%) ²
		Difference between (2019-2021) & (2015-2016) ¹	Difference between (2019-2021) & (2015-2016) ¹	2019-2021
	Women with ≥10 years education	Lucknow: -4.4 Jalaun: -2.6	Mahrajganj: +13.6 Kheri: +13.6	Kanpur Nagar:58.5 Ghaziabad: 55.2
Maternal determinants	Women 20-24 years married before age of 18 years	Unnao: +7.5 Kanpur Nagar: +3.1	Mahrajganj: -24.1 Gonda: -23.2	Bijnor: 5.2 A.N. ³ : 5.5
	Women 15-19 years with child or pregnant	Auraiya: +2.8 Bareilly: +2.8	Etah: -4.9 Chitrakoot: -4.6	Varanasi: 0.0 A.N. ³ : 0.0
	HHs with improved drinking water source	M.N. ³ : -1.0 Mahoba: -0.8	S.R.N. ³ : +10.9 Mirzapur: +9.5	15 Districts ⁴ : 100.0
Household determinants	HHs using improved sanitation facility	Not Applicable ⁵	Kushinagar: +48.9 Sonbhadra: +48.8	Baghpat: 87.0 Hapur: 85.6
	HHs with electricity	Not Applicable ⁵	Gonda: +47.9 Shrawasti: +44.2	Ghaziabad: 99.9 G.B.N. ³ : 99.4

Source: NFHS-3 (2005-2006) national and state reports and data [IFPRI estimates], NFHS-4 (2015-2016) national and state reports and data [IFPRI estimates], and NFHS-5 (2019-2021) state factsheets and report. Women 20-24 years married before age 18 was estimated for NFHS-3 using women data. pp: percentage points. Note: Safe disposal of feces not available in NFHS-5 factsheets (2019-21)/state report and data on HHs with hand washing facility not available in NFHS-3 (2005-06) and NFHS-5 factsheets (2019-21)/state report. Data on women 15-19 years with child or pregnant not available in NFHS-3 (2005-06).

¹The difference is calculated only between districts that are comparable between 2015-2016 and 2019-2021. All districts except Amethi, Budaun, Ghaziabad, Hapur, Moradabad, Muzaffarnagar, Rae Bareli, Sambhal, Shamli, and Sultanpur are comparable across periods.

²For all indicators, top coverage districts refer to the districts with the highest prevalence in underlying determinants, except for women 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. ³District codes: S.R.N.: Sant Ravidas Nagar, M.N.: Mahamaya Nagar, A.N.: Ambedkar Nagar, G.B.N.: Gautam Buddha Nagar. ⁴Ambedkar Nagar, Azamgarh, Kushinagar, Aligarh, Sambhal, Bareilly, Mahrajganj, Shahjahanpur, Pilibhit, Rampur, Bulandshahr, Faizabad, Bahraich, Basti, Gonda. ⁵Prevalence did not decrease in any of the districts.

Figure 5. Trends in interventions across the first 1,000 days (%) 2005-2006, 2015-2016, 2019-2021



Source: NFHS-3 (2005-2006) national and state reports and data [IFPRI estimates], NFHS-4 (2015-2016) national and state reports and data [IFPRI estimates], and NFHS-5 (2019-2021) state factsheet and report. Note 1: Received MCP card, birth preparedness counselling, breastfeeding counselling, counselling on keeping baby warm, cord care counselling, and postnatal care for mothers were estimated for NFHS-3 using woman data. Malaria prevention-use of bed nets was estimated for NFHS-4 using woman data. Vitamin A-early childhood was estimated for NFHS-3 using last child data. Postnatal care for babies, food supplementation-early childhood, pediatric IFA, and deworming-early childhood were estimated for NFHS-3 and -4 using last child data. Note 2: The following information is not available in the NFHS-5 factsheets and state reports (2019-21): birth preparedness counselling, malaria prevention, and food supplementation (6-35m). Information on counselling on keeping baby warm and cord care, use of bed nets during pregnancy, and financial assistance under JSY are not available in NFHS-3 data (2005-06). Note 3: Data on demand for family planning satisfied, received IFA, deworming, weighing, counselling on breastfeeding, keeping baby warm, and cord care during pregnancy, food supplementation, health and nutrition education during pregnancy and post-natal phases, financial assistance under JSY, pediatric IFA, deworming during early childhood, weight measurement during childhood, and counselling on child growth for 2019-2021 are taken from NFHS-5 state reports.

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

Intervention coverage at district-level, 2019-2021

Data on remaining indicators are taken from NFHS-5 factsheets (2019-21). Note 2: The following information is not available in the NFHS-5 factsheets and state reports (2019-21): (1) Information on preconception and pregnancy-related indicators, including demand for FP satisfied, weighing, birth preparedness and breastfeeding counselling on keeping baby warm, cord care counselling, food supplementation, health and Source: NFHS-5 district factsheets and state reports (2019-21). Note 1: Data on received IFA tab/syrup, deworming during pregnancy and financial assistance (JSY) for 2019-21 are taken from NFHS-5 state reports. nutrition education, and malaria prevention; (2) lactation-related indicators, including food supplementation, health and nutrition education, and health checkups; and (3) early childhood-related indicators, including pediatric IFA, deworming, food supplementation (6-35m), preschool attendance, health checkups, weighing and counselling on child growth.

Table 4. Intervention coverage at district-level 2015-2016, 2019-2021

Category	Interventions	Worst performing districts (pp)	Best performing districts (pp)	Top coverage districts (%)
		Difference between (2019-2021) & (2015-2016) ³	Difference between (2019-2021) & (2015-2016) ³	2019-2021
	ANC first trimester	S.R.N. ² : -3.8 Bara Banki: -2.5	Hardoi: +46.1 Kaushambi: +45.7	Shamli: 82.7 Hapur: 80.1
Pregnancy	≥4 ANC visits	S.R.N. ² : -12.9 Rampur: -9.1	Kanpur Dehat: +47.5 Siddharthnagar: +46.1	Kanpur Nagar: 69.9 Jalaun: 62.8
	Received MCP Card	Not Applicable ¹	Siddharthanagar: +36.4 Bahraich: +34.7	Hamirpur: 99.7 Varanasi: 99.0
	Tetanus injection	Chitrakoot: -10.9 Lalitpur: -7.3	Balrampur: +30.4 Shrawasti: +29.9	Shamli: 97.6 Mau: 97.5
Delivery and post-natal	Institutional birth	Not Applicable ¹	Balrampur: +39.0 Shrawasti: +32.0	Mahoba: 96.3 Hamirpur: 96.3
	Skilled birth attendant	Lucknow: -0.8 Lalitpur: -0.8	Shrawasti: +34.7 Bahraich: +33.9	Mahoba: 97.0 Hamirpur: 96.2
	Postnatal care for mothers	M.N. ² : -13.2 Chitrakoot: -8.5	Auraiya: +55.5 Hamirpur: +50.8	Muzaffarnagar: 88.5 Hamirpur: 87.2
	Postnatal care for babies	Not Applicable ¹	Hamirpur: +76.6 Basti: +71.5	Muzaffarnagar: 87.3 Ghaziabad: 85.3
Early childhood	Full immunization	Jhansi: -18.2 Kanpur Dehat: -5.8	Balrampur: +50.2 Auraiya: +48.5	Pilibhit: 92.3 Shamli: 91.1
	Vitamin A supplementation	Allahabad: -0.9	Bareilly: +59.1 Shrawasti: +52.2	Sitapur: 89.4 Mahoba: 88.8
	Care seeking for ARI	Jhansi: -45.3 Kanpur Dehat: -40.9	Faizabad: +29.3 S.R.N. ² : +22.6	Deoria: 89.1 Faizabad: 88.6
	ORS treatment during diarrhea	Shahjahanpur: -6.6 Mathura: -0.5	Ballia: +54.8 Unnao: +50.4	Ballia: 78.6 Balrampur: 70.3
	Zinc treatment during diarrhea	Bulandshahr: -8.0 Mathura: -1.4	Siddharthanagar: +60.4 Mahoba: +41.2	Siddharthanagar: 66.9 Sambhal: 57.7

Key takeaways

Children: Stunting and underweight prevalence declined by 11 percentage points (pp) and 3pp between 2006 and 2016 and by 6pp and 7pp between 2016 and 2021, respectively. Wasting increased by 3pp between 2006 and 2016 before declining by 1pp between 2016 and 2021. Anemia declined by 11pp between 2006 and 2016 but increased by 3pp between 2016 and 2021. Overweight/obesity remained stable between 2006 and 2016 before increasing by 2pp between 2016 and 2021.

Women: Underweight declined by 11pp between 2006 and 2016 and by 6pp between 2016 and 2021. Anemia among non-pregnant women and pregnant women increased by 3pp and decreased by 1pp between 2006 and 2016 and declined by 2pp and 5pp between 2016 and 2021, respectively. Overweight/obesity increased by 5-7pp between 2006 and 2016 and 2021.

Men: Overweight/obesity increased by 6pp between 2006 and 2016 and between 2016 and 2021.

Attention is needed to improve (%s in 2021):

- Outcomes: Stunting (40%), underweight (32%), anemia in children (66%); anemia in women (46-51%)
- Immediate determinants: 100+ IFA (22%); complementary feeding (31%), adequate diet (6%)
- *Underlying determinants:* Women with ≥10 years education (39%); HHs using improved sanitation facility (69%)
- Coverage of interventions: ≥4 ANC (42%), deworming-women and children (32-43%); financial assistance-JSY(44%); pediatric IFA (44%), zinc during diarrhea (28%), preschool-AWC (46%)

Source: NFHS-3 state and national reports and data [IFPRI estimates], NFHS-4 (2015-2016) state and national reports and data [IFPRI estimates], and NFHS-5 (2019-2021) state reports/factsheets. Postnatal care for babies was estimated for NFHS-4 using last child data at the state- and district-level. pp: percentage points. Note: Interventions' coverage are based on the last child data. ¹Prevalence did not decrease in any of the districts. ²District codes: S.R.N.: Sant Ramdas Nagar, M.N.: Mahamaya Nagar. ³The difference is calculated only between districts that are comparable between 2015-2016 and 2019-2021. All districts except Amethi, Budaun, Ghaziabad, Hapur, Moradabad, Muzaffarnagar, Rae Bareli, Sambhal, Shamli, and Sultanpur are comparable across periods.

Indicator definition

Nutrition outcomes	Definition			
Low birth weight\$%	Percentage of live births in the five years preceding the survey with a reported birth weight less than 2.5 kg, based on 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			
Wasting among children	Percentage of children aged 0-59 months who are wasted i.e., weight-for-height z score < -2SD			
Severe wasting among children Underweight children	Percentage of children aged 0-59 months who are wasted i.e., weight-for-height z score < -3SD 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)			
Underweight women	Percentage of women aged 15-49 whose Body Mass Index (BMI) is below normal (BMI <18.5 kg/m²); sample excluded pregnant women and women with a birth in the preceding 2 months.			
Anemia among non-pregnant women*	Percentage of non-pregnant women aged 15-49 who are anemic (<12.0 g/dl)			
Anemia among pregnant women* Overweight/obesity - children	Percentage of pregnant women aged 15-49 who are anemic (<11.0 g/dl) Percentage of children aged 0-59 months who are overweight i.e., weight-for-height z score > 2SD			
Overweight/obesity - women	Percentage of women aged 15-49 who are overweight or obese (BMI ≥25.0 kg/m2); sample excluded pregnant women and women with a birth in the preceding 2 months.			
Overweight/obesity – men	Percentage of men aged 15-49 who are overweight or obese (BMI ≥25.0 kg/m²)			
Hypertension among women^*%	Percentage of women aged 15-49 with elevated blood pressure (Systolic ≥140 mm Hg or diastolic ≥90 mm Hg) or is currently taking medication to control blood pressure.			
Hypertension among men^*	Percentage of men aged 15-54 with elevated blood pressure (Systolic ≥140 mm Hg or diastolic ≥90 mm Hg) or is currently taking medication to control blood pressure.			
Diabetes among women ^{^0}	Percentage of women aged 15-49 with high (>140 mg/dl) or very high (>160 mg/dl) blood sugar or taking medicine to control blood sugar.			
Diabetes among men ^{^0}	Percentage of men aged 15-54 with high (>140 mg/dl) or very high (>160 mg/dl) blood sugar or taking medicine to control blood sugar.			
Immediate determinants				
Underweight women	Percentage of women aged 15-49 whose Body Mass Index (BMI) is below normal (BMI <18.5 kg/m²); sample excluded pregnant women and women with a birth in the preceding 2 months.			
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			
Consumed IFA 180+ days*	Percentage of mothers aged 15-49 who consumed iron folic acid for 180 days or more during the last pregnancy in last five years preceding the survey			
Early initiation of breastfeeding#*	Percentage of children breastfed within one hour of birth for the last child born in the 2 years before the survey			
Exclusive breastfeeding	Percentage of youngest children under age 6 months living with mother who were exclusively breastfed			
Timely introduction of complementary foods	Percentage of youngest children aged 6-8 months living with mother who received solid or semi-solid food and breastmilk			
Continued breastfeeding at 2 years \$*%	Percentage of youngest children 12–23 months of age living with mother 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 day			
Dietary diversity*®	Percentage of youngest children 6-23 months of age who were fed a diet that met minimum dietary diversity during the previous day.			
Minimum meal frequency*@	Percentage of youngest children 6-23 months of age who were fed the minimum recommended number of times during the previous day			
Eggs and/or flesh foods 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 day			
Diarrhea in the last two weeks	Percentage of children under age 5 who had diarrhea in the 2 weeks preceding the survey			
ARI in the last two weeks	Percentage of children under age 5 who had symptoms of acute respiratory infection (ARI) in the 2 weeks preceding the survey			
Underlying determinants				
Women with ≥10 years education	Percentage of women aged 15-49 with 10 or more years of schooling			
Women 20-24 years married before age of 18 years*	Percentage of women aged 20-24 years who were married before age 18 years			
Women 15-19 years with child or pregnant ^A	Percentage of currently married women aged 15-49 who had their first birth before age 20 years and in the five years preceding the survey			
HHs with improved drinking water	Population living in households with an improved drinking-water source			
source HHs using improved sanitation facility	Population living in households that use an improved sanitation facility			
HHs with hand washing facility's	Percentage of households in which a place for washing hands was observed.			
Open defecation [®] %	Percentage of households that have no toilet facility/defecates in open			
Safe disposal of feces ^{\$%} HHs with BPL card ^{@%}	Percentage of youngest children living with mother whose stools were disposed of safely Percentage of households with BPL card			
HHs with electricity	Population living in households with electricity			
Note: Unless appointed indicators values for NEUS 2 taken from either NEUS 2 national or state reports				

Note: Unless specified, indicators values for NFHS-3 taken from either NFHS-3 national or state reports.

^Indicator cannot be constructed using unit-level NFHS-3 data. Olndicator cannot be constructed using unit-level NFHS-4 data. Indicator not available in NFHS-5 factsheet/report. Oldicator not available in NFHS-5 factsheet but in NFHS-5 report. Indicator not available in NFHS-4 unit-level data. Indicator constructed based on WHO guidelines.

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	Percentage of households using iodized salt
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 survey
Received MCP card	Percentage of mothers who registered last pregnancy in the 5 years preceding the survey for which she received a 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 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 ^{0\$}	Percentage of women who had at least one contact with a health worker in the three months preceding the survey and were counselled on birth preparedness (for the last pregnancy 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 ^{^@%} Cord care counselling ^{^@%}	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 advice on cord care for their most recent live birth in the five years preceding the survey
Food supplementation - pregnancy ^{@%}	Among children under 6 years, percentage whose mother received specific benefits from AWC during pregnancy: supplementary food
Health & nutrition education – pregnancy [®] %	Among children under 6 years, percentage whose mother received specific benefits from AWC during pregnancy: health and nutrition education
Malaria prevention- use of bed nets ⁵ *	Percentage of women who used mosquito net during the pregnancy for their most recent live birth in the 5 years
Institutional birth	preceding the survey Percentage of live births to women aged 15-49 in the five years preceding the survey that took place in a health/institutional facility
Financial assistance (JSY) ^@	Percentage of women who received financial assistance under JSY for their most recent live birth that took place in
Skilled birth attendant	institutional facility in the 5 years preceding the survey 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 within 2 days of delivery for last birth in the 5 years before the survey
Food supplementation – postnatal [@] %	Among children under 6 years, percentage whose mother received specific benefits from AWC while breastfeeding: supplementary food
Health & nutrition education – postnatal ^{@%}	Among children under 6 years, percentage whose mother received specific benefits from AWC while breastfeeding: health and nutrition education
Health checkup (ICDS)®%	Among children under 6 years, percentage whose mother received specific benefits from AWC while breastfeeding: health checkup.
Full immunization	Percentage of children aged 12-23 months fully vaccinated based on information from either vaccination card or mother's recall
Vitamin A – early childhood*	Percentage of children aged 9-35 months who received a vitamin A dose in the last 6 months
Pediatric IFA*@%	Percentage of youngest children aged 6-23 months who received iron supplements in the past 7 days preceding the survey.
Deworming – early childhood*@%	Percentage of youngest children aged 6-23 months who received deworming tablets in the last 6 months preceding the survey.
Care seeking for ARI	Percentage of 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
ORS during diarrhea	Percentage of children under age 5 years with diarrhea in the 2 weeks preceding the survey who received ORS
Zinc during diarrhea	Percentage of children under age 5 years with diarrhea in the 2 weeks preceding the survey who received zinc
Food supplementation (children 6-35 months) \$*	Percentage of youngest children aged 6-35 months who received food supplements from AWC in the 12 months preceding the survey
Weighing – early childhood ^{@%} Counselling on child growth ^{@%}	Percentage of youngest children under age 5 who were weighed at AWC in the 12 months preceding the survey Percentage of youngest children under age 5 whose mother received counselling from an AWC after child was weighed
Preschool at AWC ^{@%}	in the 12 months preceding the survey Percentage of children age 36-71 months who went for early childhood care/preschool at an AWC in the 12 months preceding the survey.
Health checkup (AWC) [@] %	Percentage of children age under 6 years who received health checkups from an AWC in the 12 months preceding the survey
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 $Note: Unless \ specified, indicators \ values \ for \ NFHS-3 \ taken \ from \ either \ NFHS-3 \ national \ or \ state \ reports.$

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Disclaimer: The maps used in this Data Note are based on the districts in NFHS-5 factsheets/reports. The boundaries shown do not imply any official endorsement or acceptance by IFPRI.

ABOUT POSHAN

Partnerships and Opportunities to Strengthen and Harmonize Actions for Nutrition in India (POSHAN) is a multi-year initiative that aims to support the use of data and evidence in decision-making for nutrition in India. It is supported by the Bill & Melinda Gates Foundation and led by IFPRI in India. http://poshan.ifpri.info/

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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