

# **DISTRICT NUTRITION PROFILE**

Led by IFPRI 🖔

## **AKOLA | MAHARASHTRA**

**MARCH 2022** 

### **About District Nutrition Profiles:**

District Nutrition Profiles (DNPs) are available for 707 districts in India. They present trends for key nutrition and health outcomes and their cross-sectoral determinants in a district. The DNPs are based on data from the National Family Health Survey (NFHS)-4 (2015-2016) and NFHS-5 (2019-2020). They are aimed primarily at district administrators, state functionaries, local leaders, and development actors working at the district-level.



**Figure 1:** Map highlights district Akola in the state/UT of Maharashtra

Given the focus of India's national nutrition mission on child

undernutrition, the DNPs focus on the determinants of child undernutrition (Figure on the left). Multiple determinants of suboptimal child nutrition and development contribute to the

outcomes seen at the district-level. Different types of

interventions can influence these determinants. Immediate

determinants include inadequacies in food, health, and care for

infants and young children, especially in the first two years of life. Nutrition-specific interventions such as health service

delivery at the right time during pregnancy and early childhood

can affect immediate determinants. Underlying and basic

determinants include women's status, household food security,

hygiene, and socio-economic conditions. Nutrition-sensitive

interventions such as social safety nets, sanitation programs,

women's empowerment, and agriculture programs can affect

What factors lead to child undernutrition?

Optimum fetal and child nutrition and development

#### **IMMEDIATE DETERMINANTS**

Breastfeeding, nutrient-rich foods, caregiving practices, low burden of infectious diseases

# UNDERLYING AND BASIC DETERMINANTS

Women's status, sanitation and hygiene, food security, socioeconomic conditions

Source: Adapted from Black et al. (2008)

## NUTRITION-SPECIFIC INTERVENTIONS

Service delivery to mothers and infants along the continuum of care, access to health facilities

#### INTERVENTIONS THAT AFFECT UNDERLYING AND BASIC DETERMINANTS

Women's empowerment, sanitation, agriculture, and social safety net programs

# District demographic profile, 2019-20

Akola



925/1.000

Sex ratio (females per 1,000 males) of the total population



573,520

Number of women in reproductive age (15-49 yrs)



underlying and basic determinants.

33,013

Number of pregnant women



32,786

Number of live births



142,271

Total number of children under 5 vrs



33,118

Children under 5 yrs whose births were registered

#### Source:

- 1. IFPRI estimates The headcount was calculated as the product of the undernutrition prevalence and the total eligible projected population for each district in 2019. Projected population for 2019 was estimated using Census 2011.
- 2. NFHS-4 (2015-16) & NFHS-5 district & state factsheets (2019-20).

Citation: Singh. N., P.H. Nguyen, M. Jangid, S.K. Singh, R. Sarwal, N. Bhatia, R. Johnston, W. Joe, and P. Menon. 2022. District Nutrition Profile: Akola, Maharashtra. New Delhi, India: International Food Policy Research Institute.

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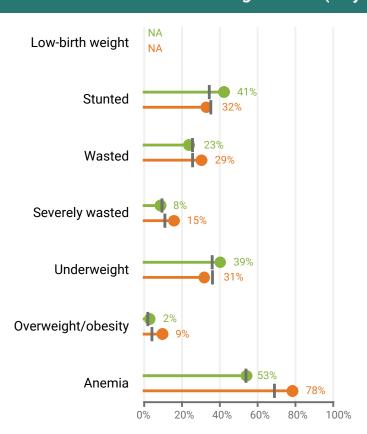












Maharashtra





### Burden on nutrition outcomes (2020)

Indicators	No. of children (<5 yrs)
Low-birth weight	NA
Stunted	45,228
Wasted	41,785
Severely wasted	20,914
Underweight	43,763
Overweight/obesity	12,292
Anemia	99,047
Total children	142,271

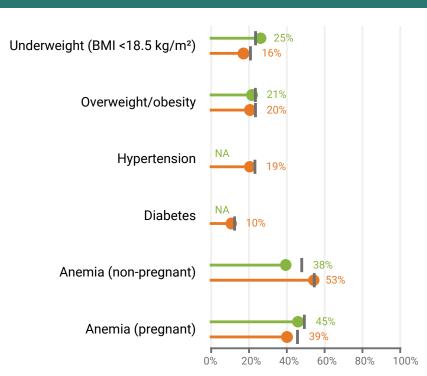
Note: NA refers to data are unavailable for a given round of NFHS data.

### Points of discussion:

- · What are the trends in undernutrition among children under five years of age (stunting, wasting, underweight, and anemia)?
- What are the trends in overweight/obesity among children under five years of age in the district?

## The state of nutrition outcomes among women (15-49 years)

Akola







### Burden on nutrition outcomes (2020)

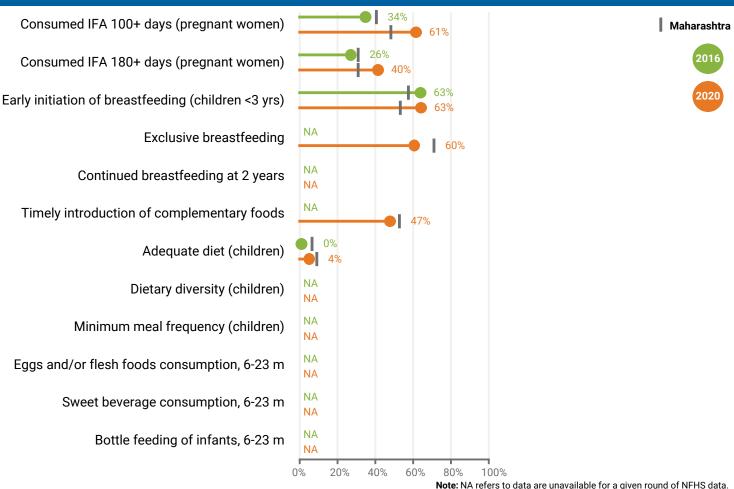
Indicators	No. of women (15-49 yrs)
Underweight	92,509
Overweight/obesity	112,353
Hypertension	111,378
Diabetes	55,173
Anemia (non-preg)	305,342
Anemia (preg)	12,931
Total women (preg)	33,013
Total women	573,520

Note: NA refers to data are unavailable for a given round of NFHS data.

#### Points of discussion:

- What are the trends in underweight and anemia among women (15-49 yrs) in the district?
- What are the trends in overweight/obesity and other nutrition-related non-communicable diseases in the district?

Immediate determinants Akola



#### Points of discussion:

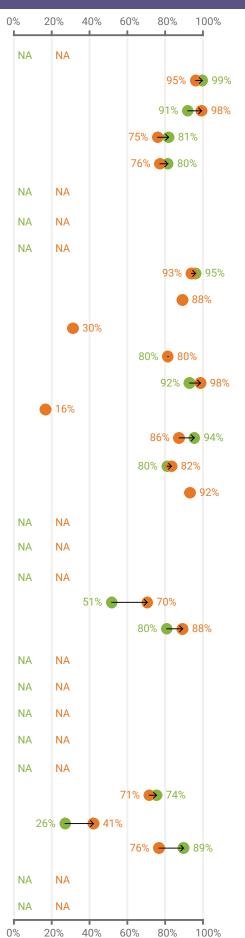
- What are the trends in infant and young child feeding (timely initiation of breastfeeding, exclusive breastfeeding, timely initiation of complementary feeding, and adequate diet)? What can be done to improve infant and young child feeding?
- What are the trends in IFA consumption among pregnant women in the district? How can the consumption be improved?
- · What additional data are needed to understand diets and/or other determinants?

### Underlying determinants Akola Women with ≥10 years of education Maharashtra 13% Women 20-24 years married before the age of 18 Women 15-19 years with child or pregnant HHs with improved sanitation facility HHs with improved drinking water source NA Safe disposal of feces NA NA HHs with below poverty line (BPL) card NA 16% HHs with health insurance 40% 60% 80% 100% Note: NA refers to data are unavailable for a given round of NFHS data.

### Points of discussion:

- · How can the district increase women's literacy, and reduce early marriage, if needed?
- How does the district perform on providing drinking water and sanitation to its residents? Since sanitation and hygiene play an important role in improving nutrition outcomes, how can all aspects of sanitation be improved?
- How can programs that address underlying and basic determinants (education, poverty, gender) be strengthened?
- · What additional data are needed on food systems, poverty or other underlying determinants?

Demand for FP satisfied lodized salt Pregnancy registered (MPC card) ANC first trimester > 4 ANC visits Weighing Birth preparedness counselling Breastfeeding counselling Tetanus injection Received IFA tab/syrup Deworming Food supplementation Institutional birth Financial assistance (JSY) Skilled birth attendant Postnatal care for mothers Postnatal care for babies Food supplementation Health & nutrition education Health checkup (ICDS) Full immunization Vitamin A Pediatric IFA Deworming Food supplementation (6-35 months) Weighing Counselling on child growth ORS during diarrhea Zinc during diarrhea



 $\textbf{Note:} \ \mathsf{NA} \ \mathsf{refers} \ \mathsf{to} \ \mathsf{data} \ \mathsf{are} \ \mathsf{unavailable} \ \mathsf{for} \ \mathsf{a} \ \mathsf{given} \ \mathsf{round} \ \mathsf{of} \ \mathsf{NFHS} \ \mathsf{data}.$ 

#### Points of discussion:

• How does the district perform on health and nutrition interventions along the continuum of care? Does it adequately provide both prenatal and postnatal services to women of reproductive age, pregnant women, new mothers and newborns?

Careseeking for ARI

Preschool at AWC

Health checkup from AWC

• How has access to health and ICDS services changed over time (food supplementation, health and nutrition education and health checkups)?



