

Achievements and Investments in Nutrition in Maharashtra



RESEARCH QUESTIONS

- What is the district wise distribution of under nutrition and its social determinants in Maharashtra
- What is the level of district-wise investment in nutrition in Maharashtra?

RESEARCH OBJECTIVE

1)To develop a better understanding district wise performance of Maharashtra in nutrition.

Nutritional indicators

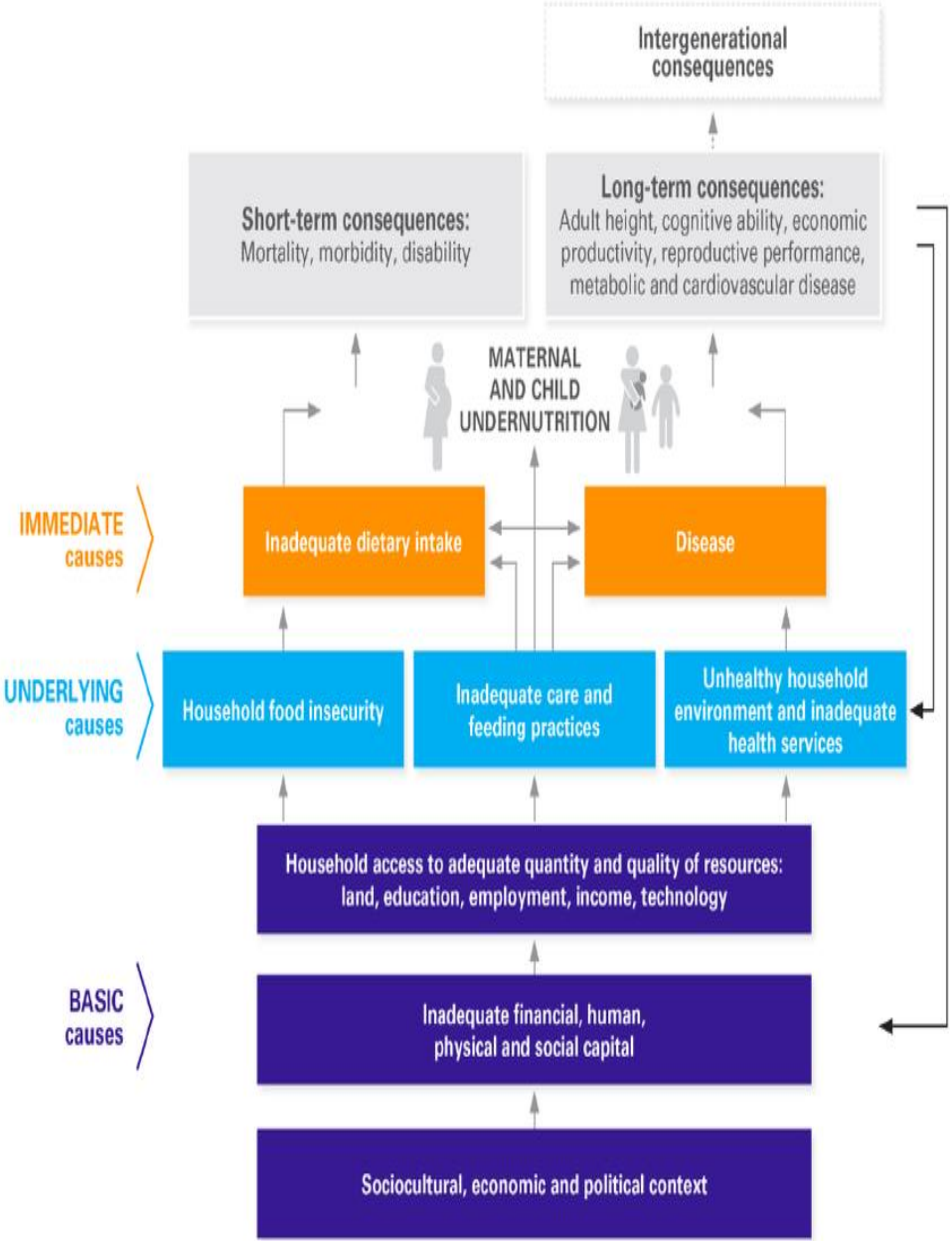
Stunted -height for age" value to be less than two standard deviations of the WHO Child Growth Standards median

Wasted-weight for height < –2 SD

Severely wasted- lose fat and muscles and appears like skin and bone

Underweight: weight for age < –2 standard deviations (SD)

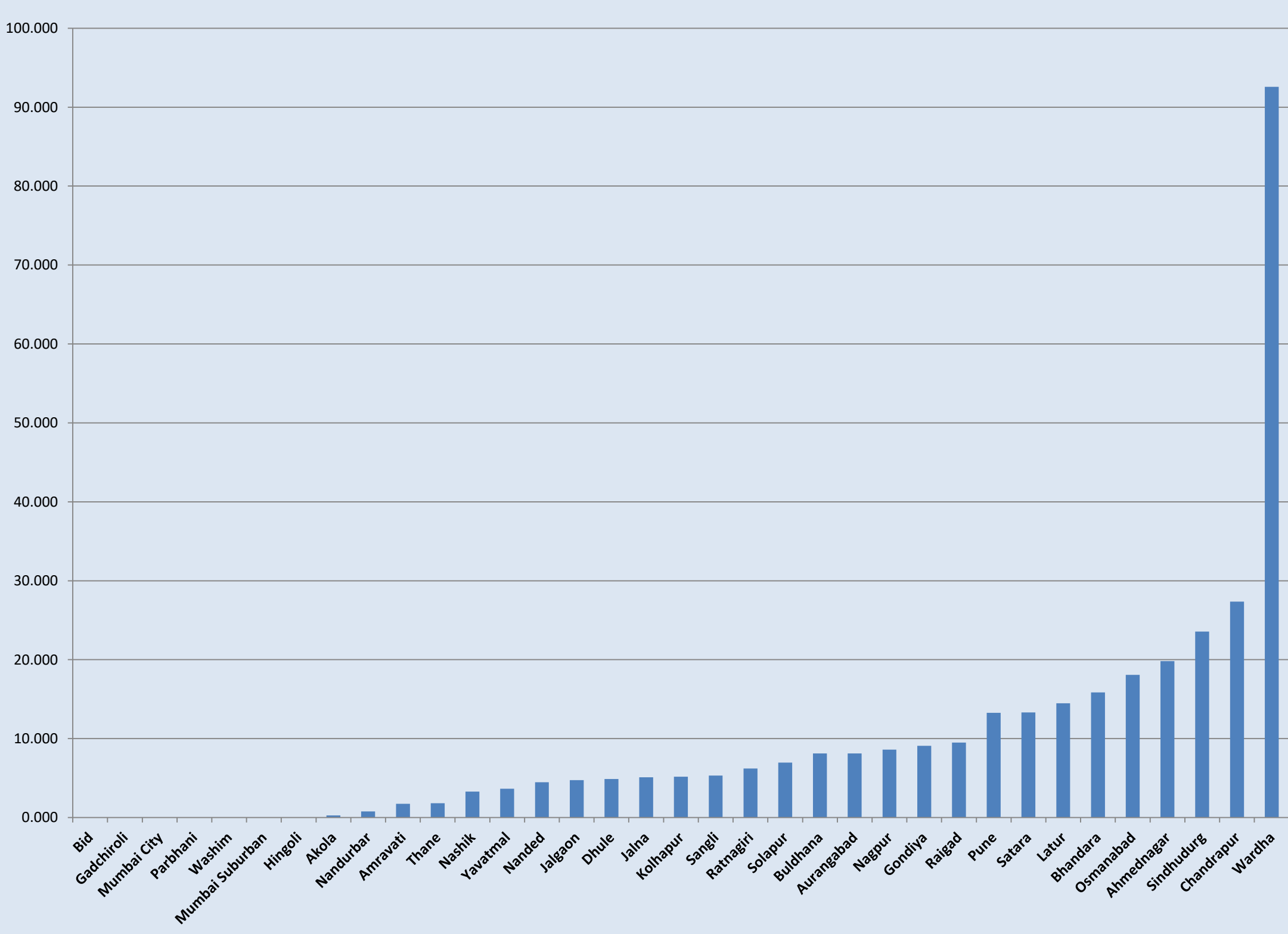
S.No.	Districts	Children under 5 years who are stunted (height-for-age) (%)	Children under 5 years who are severely wasted (weight-for-height) (%)	Children under 5 years who are wasted (weight-for-height) (%)	Children under 5 years who are underweight (weight-for-age) (%)
1	Ahmednagar	33.4	4.2	21.7	31.1
2	Akola	41.2	7.7	22.7	39.3
3	Amravati	38.1	9.0	24.7	33.0
4	Aurangabad	38.6	6.3	20.8	36.0
5	Bid	40.5	2.9	16.2	32.5
6	Bhandara	37.8	12.9	29.5	36.9
7	Buldhana	43.9	5.0	21.1	41.3
8	Chandrapur	32.2	16.1	31.3	40.3
9	Dhule	39.6	11.3	30.3	47.5
10	Gadchiroli	32.5	22.2	45.8	42.1
11	Gondiya	34.7	13.3	29.7	40.1
12	Hingoli	39.6	10.2	24.2	36.9
13	Jalgaon	36.4	7.9	32.5	36.4
14	Jalna	44.1	9.5	22.4	43.6
15	Kolhapur	26.9	5.9	25.7	31.2
16	Latur	34.7	7.7	22.5	34.5
17	Mumbai City	34.4	9.4	25.6	36.0
18	Mumbai Suburban	25.5	7.0	25.8	22.7
19	Nagpur	21.3	11.9	20.3	28.9
20	Nanded	33.9	12.1	25.6	33.6
21	Nandurbar	40.4	6.2	20.1	34.4
22	Nashik	47.6	15.1	39.8	55.4
23	Osmanabad	43.5	13.5	32.0	42.9
24	Parbhani	43.3	9.1	21.9	44.5
25	Pune	46.4	7.3	19.8	42.3
26	Raigad	22.4	9.0	23.4	25.6



2)To understand district level estimated investment (2018-19) in nutrition and some of its key determinants related to the district performance in nutritional outcomes.

- Wardha is getting the high money per capita because soil od Wardha is deficient in 18 micronutrient, So the crops on this land lack some nutrients. So more should be spend here in nutrition

Per capita(in Rs.) investment in Nutrition



Besides the nutritional indicator Nandurbar is the worst performing district and Bhandara and Mumbai city is the best performing district in other social indicators too like

- women who are literate
- water and sanitation
- maternal and child health.

Districts which are not performing good in social indicator then there are high possibility that those districts are not performing good in nutritional indicators too.

Research Methodology

A desk review of contemporary literature on social determinants of under nutrition in India was undertaken.

Review of global literature on frameworks for interventions in alleviating under nutrition was undertaken •

Data from-

- NFHS-4
- CENSUS 2011
- MAHARASHTRA ANNUAL BUDGET SHEET (Estimated-2018-19)

Conclusion

- Worse performing districts in terms nutritional indicators also perform poorly when it comes maternal and child health indicators and provision of basic amenities.
- Although it is intuitive that better performing districts attract more investments in programmatic interventions in nutrition, health, and water and sanitation, the level of per-capita investments in the under-performing districts are significantly low and needs to catch up.
- Funding prioritization of program investments by Maharashtra government needs to be data driven as evidenced from NFHS-4 outcome indicators data. Ideally, program interventions should intensify in the districts that are lagging behind and therefore program funding should also improve.