

International Journal of Inclusive Development Citation: 5(2): 59-65, December 2019 DOI: 10.30954/2454-4132.2.2019.4 © 2019 New Delhi Publishers. All rights reserved

Status of Child Health Care: A State Level Analysis

Shama Firdaush¹ and Pinaki Das²

¹Research Scholar, Department of Economics, Vidyasagar University, West Bengal, India ²Associate Professor, Department of Economics, Vidyasagar University, West Bengal, India

Corresponding author: pdasvu@mail.vidyasagar.ac.in

Received: 10 Jul., 2019

Revised: 12 Oct., 2019

Accepted: 25 Nov., 2019

Abstract

Being healthy is crucial for every human being in the world. A person in bad health cannot really live life to the fullest. There is the risk of death and handicaps caused by the most common children's diseases namely Tuberculosis, Diphtheria, Tetanus, Leprosy, Polio, and Measles. The study proposes to compare rates of vaccination and prenatal care among children and women who use public care for curative services using NFHS 3rd and 4th round data. We observed that the facilities given by public health care during the period of childhood disease have increased over the decade. In 2015-16, the top five states having the highest percentage coverage of childhood disease treatment were Punjab, Meghalaya, Jammu & Kashmir, Uttarakhand and Goa. West Bengal's position was 6th in 2005-06 which reduced to 10th in 2015-16.

Keywords: Tuberculosis, Diphtheria, Tetanus, Leprosy, Polio, Measles

In-spite of variation among living beings, health is the most important commodity which is common to all. A person in bad health cannot really live life to the fullest. Vaccinations are efficient because they are relatively inexpensive and they protect children against the risk of death and handicaps caused by the most common children's diseases namely Tuberculosis, Diphtheria, Tetanus, Leprosy, Polio, and Measles. When children are free from diseases, they can grow into healthy adults and in this way, contribute to the development of dynamic and productive societies. Children require extra attention to enjoy the best possible health and this allows them to develop properly during their childhood and teenage years. At every step of their physical and mental development, children have specific needs and different health risks. Additionally, a newborn is more vulnerable and more exposed to certain diseases than a young child or teenager. The government in developing countries such as

India spends a significant portion of their health care budgets on direct public provision of care. Though public services are offered free of cost, most patients, including those from the lowest income groups, give up these services due to unsatisfactory services provided. In recent years, governments and donor organizations have reassessed their traditional emphasis on the public sector.

Agnihotri (2001) advocated that for the development of a nationwide reduction in infant and child mortality levels are more important and gender gap in mortality is a superior index of discrimination against the girl-children. Further, they conveyed that the aim of the development policies and interventions should be to ensure development without discrimination and considered genderbased disaggregation. Borooah *et al.* (2014) presented econometric estimates regarding the relative strength of personal and household

\mathcal{N} Firdaush and Das

circumstances in determining the likelihood of utilizing the programmer's services and suggested a trade-off between quality and utilization by hypothesizing that the poor quality of services leads upper-caste mothers to exit the ICDS market and seek these services elsewhere. Saikia et al. (2010) explained that the trend in mortality from the Sample Registration System (SRS) data shows a slowdown in improvements, particularly since the mid-1990s. Using age-specific death rates from the SRS, they constructed a new life table for the most recent period and showed lower levels of child mortality rates compared to those provided by the SRS. Ganotra (2016) argued that India losses its children by institutionalizing child labour in family-based occupations under the age of 14 years and permitting the employment of children in many hazardous occupations. Sinha (2006) explained that in a democracy, every child must be regarded as indispensable and the government must be accountable for the deaths of children and mothers. The process of ensuring that every child is taken care of as a matter of right involves societal pressure through public action and democratization of all public institutions.

In this brief background, the study proposes to compare the rates of vaccination and prenatal care among children and women who use public health care for curative services across states of India using the 3rd and 4th round National Family Health Survey (NFHS) data.

Different types of treatment given in public health care are discussed as follows

Oral rehydration therapy: Children with diarrhea are given increased fluids or a fluid made from a special packet of Oral Rehydration Salt (ORS) or gruel. Treatment of Acute Respiratory Infection (ARI). Symptoms: Children with ARI symptoms for which advice or treatment was sought. ARI symptoms consist of cough accompanied by (1) short, rapid breathing that is chest related, and/ or (2) difficult breathing that is chest related. Fever: Fever is a symptom of malaria, but it is also associated with other childhood illnesses that may contribute to high levels of malnutrition, morbidity, and mortality in young children. Treatment of fever Children with fever for whom advice or treatment was sought.

MATERIALS AND METHODS

Although the paper is mainly descriptive but for ranking the states based on the treatment received by children across the states, Dimension Index was formed. Together with that, we have used the required statistical tools for effective analysis of the data.

Dimension Index

It has been used extensively in human development studies. Dimensional Index is calculated for each Sub indicator of Corresponding dimensions and then the arithmetic mean of all DI of a corresponding Indicator are taken as GDI. To calculate the Dimensional Index minimum and maximum values have been selected for each indicator from all states of India. Performance in each dimension is expressed as a value between 0 and 1 by applying the following general formula: Dimensional Index (DI), of each indicator calculated as –

Group Dimensional Index (GDI) =

 $\Sigma \frac{\text{Sum of DI'S}}{\text{No of sub indicator}}$

Treatment of diarrhea for children under five Years age

The percentage of children who received treatment for diarrhea during the years 2005-06 and 2015-16 is given in Table 1. In India, the facilities given by public health care increased from 9 percent in 2005-06to 9.2 percent in 2015-16. Across the states, this percentage varied from 0.3 percent to17.3 percent in urban areas whereas from 2.6 percent to 16.8 percent in rural areas in 2015-16. In 2005-06, Andhra Pradesh, Sikkim, Arunachal Pradesh, Jharkhand and Gujarat were earmarked for giving higher facility whereas Chhattisgarh, Tamil Nadu, Meghalaya, Nagaland and West Bengal were earmarked for giving lesser facility. While a decade later, Bihar, Meghalaya, Delhi, Uttar Pradesh, and Uttarakhand were earmarked for giving greater facility whereas Sikkim, Assam, Kerala, Goa and Karnataka were earmarked for giving lesser facility.

Table 1: Treatment of diarrhea for child under age Five Years across State in India, 2005-06 and 2015-16

	NFHS-4 (2015-16) (2005-06)				
State	Urban	S-4 (2013) Rural	Total	Total	
Andhra Pradesh	5.7	6.9	- 6.6	26	
Arunachal Pradesh	7	6.3	6.5	14.9	
Assam	3.6	2.9	2.9	8.1	
Bihar	8	10.7	10.4	10.7	
	8 11.3	8.6	9.1	5.2	
Chhattisgarh	3	o.o 5.2	9.1 3.8	5.2 6.8	
Goa	3 7.7				
Gujarat		8.8	8.4	13.1	
Haryana	7.6	7.7	7.7	10.3	
Himachal Pradesh	10.5	6.3	6.6	7.7	
Jammu & Kashmir	4.8	8.3	7.5	10.1	
Jharkhand	6.1	7.1	6.9	13.3	
Karnataka	4.8	4.3	4.5	8.6	
Kerala	2.7	4	3.4	6.8	
Madhya Pradesh	9.7	9.4	9.5	12.1	
Maharashtra	6.8	9.9	8.5	8.1	
Manipur	6.2	5.5	5.8	10	
Meghalaya	8.6	10.9	10.6	5.7	
Mizoram	7.6	7.6	7.6	11	
Nagaland	5.3	4.9	5	6.4	
Odisha	7.3	10.2	9.8	11.8	
Punjab	7.6	5.9	6.6	7.8	
Rajasthan	8.9	6.9	7.4	10.3	
Sikkim	0.3	2.6	1.8	16.5	
Tamil Nadu	8.2	7.8	8	5.4	
Tripura	3.5	5.3	4.9	8.4	
Uttarakhand	17.3	16.8	17	12.8	
Uttar Pradesh	14.2	15.2	15	8.1	
West Bengal	5.8	5.9	5.9	6.5	
India	8.2	9.6	9.2	9	
Mean	7.3	7	7.5	10	
SD	3.5	4.4	3.3	4.2	

Sources: NFHS-3 (2005-06) and NFHS-4 (2015-16).

The proportion of children who suffered from diarrhea and received fluid from ORS packets increased from 26 percent in 2005-06 to 50.6 percent in 2015-16. In 2015-16, urban children with diarrhea are more likely greater than rural children to receive fluid from an ORS packet (Table 2). The use of ORS packets for the treatment of diarrhea among the states ranges from 37.9 percent in Uttar Pradesh to 77.5 percent in Meghalaya whereas in 2005-06, this ranges from 65.1 percent to 12 percent. In the year 2015-16, Chhattisgarh, Odisha, Meghalaya, Mizoram and Jammu & Kashmir were registered as

the top five states whereas Uttar Pradesh, Nagaland, Gujarat, Bihar and Jharkhand were registered in the bottom five categories for giving ORS to the children at the time of treatment of diarrhea. In the year 2005-06,top five states in terms of giving ORS to the children at their time of treatment of diarrhea were Mizoram, Goa, Himachal Pradesh, Tripura and Meghalaya whereas the bottom five states were Uttar Pradesh, Assam, Nagaland, Rajasthan and Jharkhand.

Table 2: Percentage of Children suffering fromdiarrhea who received ORS across State in India,2005-06 & 2015-16

State	NFHS	NFHS-3 (2005-06)		
-	Urban	Rural	Total	Total
Andhra Pradesh	54.9	45.3	47.6	37
Arunachal Pradesh	76.6	62.8	66.1	31.7
Assam	58.7	50.9	51.9	14.5
Bihar	62.1	43.8	45.2	20.9
Chhattisgarh	68.3	67.8	67.9	40
Goa	NA	NA	60.2	50.6
Gujarat	49.7	44	46.2	26.3
Haryana	67	57.1	60.6	24.3
Himachal Pradesh	NA	64.2	62.7	56.3
Jammu & Kashmir	68.4	69.3	69.1	40.6
Jharkhand	49.1	44	44.8	17.4
Karnataka	44.9	58.7	52.8	31.9
Kerala	40.5	54.9	49.4	32.4
Madhya Pradesh	62.8	52.5	55.2	29.8
Maharashtra	63.8	58.8	60.5	38.5
Manipur	60.4	60.1	60.2	36.2
Meghalaya	77.6	77.4	77.5	65.1
Mizoram	76.3	62.8	69.9	48.3
Nagaland	43.5	39.7	40.8	16.5
Odisha	68.6	68.6	68.6	39.8
Punjab	64.9	67.3	66.2	34.1
Rajasthan	64.6	53.2	56.2	16.5
Sikkim	NA	NA	65.6	33.2
Tamil Nadu	65	58.7	61.8	32.2
Tripura	NA	46.4	46.3	58.1
Uttarakhand	63.8	52.4	56.1	33.1
UttarPradesh	47.4	35.6	37.9	12.5
West Bengal	69.7	62.8	64.7	42.3
India	58.5	47.9	50.6	26
Mean	48.9	56.1	57.3	34.1
SD	40	20	17.7	13.2

Sources: NFHS-3 (2005-06) and NFHS-4 (2015-16).

\mathcal{N} Firdaush and Das

Percentage of Children who received zinc for the disease of diarrhea during 2005-06 and 2015-16 is given in Table 3. In India, the facilities given by public health care increased from 0.3 percent in 2005-06 to 20.3 percent in 2015-16. Across the state, this percentage varied from 0.5 percent to 54.5 percent in urban areas while from 11.8 percent to 58.4 percent in rural areas in 2015-16. In 2005-06, Andhra Pradesh, Karnataka, Mizoram, Punjab and Kerala provided more facilities whereas Uttar Pradesh, Jharkhand, Uttarakhand and Maharashtra were registered to provide least facilities. On the other hand, in 2015-16, Karnataka, Arunachal Pradesh, Jammu & Kashmir, Tamil Nadu and Meghalaya were registered for giving more facility, whereas Uttar Pradesh, Maharashtra, Kerala, Manipur, Himachal Pradesh werer egistered for giving lesser facility.

Table 3: Percentage of children suffering from diarrhea and have received zinc across State in India

States	NFHS	15-16) NFHS-3 (2005-06		
	Urban	Rural	Total	Total
Andhra Pradesh	33.5	29.1	30.1	1.1
Arunachal Pradesh	45.8	32.7	35.8	0
Assam	26.9	21.3	22	0
Bihar	27.2	19.5	20.1	0
Chhattisgarh	26.8	29.7	28.9	0
Goa	NA	NA	53.2	0
Gujarat	13.2	19.9	17.4	0
Haryana	19.5	23.3	21.9	0
Himachal Pradesh	NA	16.5	15	0
Jammu & Kashmir	26.5	41.4	39.1	0
Jharkhand	18	19.3	19.1	0.6
Karnataka	29.1	38.1	34.3	1.1
Kerala	5.4	19.4	14.1	2.9
Madhya Pradesh	26.1	26.8	26.6	0
Maharashtra	15.2	11.9	13	1
Manipur	15.2	13.4	14.1	0
Meghalaya	54.5	58.4	58	0
Mizoram	31.7	26.5	29.3	1.1
Nagaland	18.7	15.4	16.3	0
Odisha	13.5	17.5	17	0
Punjab	28.1	25.5	26.7	1.1
Rajasthan	18.9	17	17.5	0
Sikkim	NA	NA	1.8	0
Tamil Nadu	46.6	36.3	41.3	0
Tripura	NA	19.1	19.1	0

30	19.0	12.5	12	0.7
SD	19.6	12.5	12	07
Mean	20.6	24.4	24.7	0.3
India	23.7	19.1	20.3	0.3
West Bengal	25.6	19	20.8	0
Uttar Pradesh	15.8	11.8	12.6	0.5
Uttarakhand	37.9	26.7	30.4	0.7

Sources: NFHS-3 (2005-06) and NFHS-4 (2015-16).

The percentage of children taken to a health facility for curing the disease of diarrhea during 2005-06 and 2015-16 is given in table 4. In India, the facilities given by public health care increased from 61.3 percent in 2005-06 to 67.9 percent in 2015-16. Across the state, this percentage variedfrom 33.8 percent to 86.2 percent in urban areas and 17.1 percent to 88.1 percent in rural areas in 2015-16. In 2005-06, across the states Meghalaya, Punjab, Maharashtra and Harvana have registered for giving higher facilities whereas Nagaland, Mizoram, Sikkim, Assam and Arunachal Pradesh were registered for giving lesser facility. In 2015-16, Haryana, Maharashtra, Delhi, Punjab, Goa have registered for giving greater facility whereas Nagaland, Manipur, Mizoram, Arunachal Pradesh, and Sikkim were nationwide for giving lesser facility.

Table 4: Percentage of children suffering from diarrhea taken to health care across the State in India

State	NFH	S-4 (2015	5-16)	NFHS-3 (2005-06)
State	Urban	Rural	Total	Total
Andhra Pradesh	83.2	69.4	72.7	65
Arunachal Pradesh	57.1	41.1	44.9	35.5
Assam	57.8	49.8	50.8	32.3
Bihar	56.3	54.7	54.8	56.1
Chhattisgarh	77.9	69	71.3	66
Goa	NA	NA	96.8	72.1
Gujarat	72.1	61.3	65.4	60.9
Haryana	79.3	76.2	77.3	81.7
Himachal Pradesh	NA	66.7	67.7	68.9
Jammu & Kashmir	75.4	73.9	74.2	67
Jharkhand	61.4	55.7	56.7	45.7
Karnataka	64.2	73.8	69.7	67.2
Kerala	69.5	80.4	76.3	63.3
Madhya Pradesh	71.5	67	68.2	58.5

Maharashtra	75.6	78.7	77.6	78
Manipur	37	28	31.2	37.8
Meghalaya	76	69.3	70	72.2
Mizoram	46.7	36.9	42	27.4
Nagaland	33.8	17.1	22	16.5
Odisha	65.8	68.9	68.6	56.2
Punjab	86.2	88.1	87.2	76.2
Rajasthan	82	71.2	73.9	56.6
Sikkim	NA	NA	50.7	32.2
Tamil Nadu	73.9	72.5	73.2	62
Tripura	NA	64	65.7	64.5
Uttarakhand	76.6	72.2	73.6	62.4
Uttar Pradesh	72.7	65.2	66.7	62.2
West Bengal	82.7	71.6	74.7	66.5
India	74.1	65.8	67.9	61.3
Mean	51.8	63.2	65.1	58.2
SD	48.1	25.1	22.3	16.5

Sources: NFHS-3 (2005-06) and NFHS-4 (2015-16).

 Table 5: Percentage of children treated for ARI across

 State in India

State	NFH	NFHS-3 (2005-06)		
	Urban	Rural	Total	Total
Andhra Pradesh	0.9	0.4	0.5	3.9
Arunachal Pradesh	1.2	2.4	2.1	6.8
Assam	0.5	1.1	1	7.3
Bihar	1.7	2.6	2.5	6.8
Chhattisgarh	2.3	2.2	2.2	4.4
Goa	0.9	2.4	1.4	3.6
Gujarat	1.5	1.4	1.4	4.7
Haryana	3.3	3.1	3.2	2.7
Himachal Pradesh	0.8	1.7	1.6	1.4
Jammu & Kashmir	3	6.2	5.4	7.6
Jharkhand	3.4	3.2	3.2	5.2
Karnataka	1	1.3	1.2	1.7
Kerala	0.6	1	0.8	2.7
Madhya Pradesh	1.3	2.4	2.1	3.7
Maharashtra	2.5	2.2	2.4	4.6
Manipur	1.8	1.7	1.7	4.7
Meghalaya	4.8	6	5.8	1.9
Mizoram	3	1.2	2.2	4.1
Nagaland	1.6	1.3	1.4	4.2
Odisha	1.9	2.5	2.4	2.8
Punjab	4.4	3.9	4.1	6.9
Rajasthan	1.8	2.1	2.1	6.9
Sikkim	0.4	0.2	0.3	5
Tamil Nadu	2.7	2.9	2.8	3.7

Tripura	2.1	2.8	2.6	14.2
Uttarakhand	4.1	4.8	4.6	4.3
UttarPradesh	3.7	4.9	4.7	7.1
West Bengal	2.3	3.7	3.3	13
India	2.3	2.9	2.7	5.8
Mean	2.1	2.4	2.5	5.3
SD	1.2	1.6	1.4	2.9

Sources: NFHS-3 (2005-06) and NFHS-4 (2015-16).

Percentage of children treated for ARI for the diarrhea disease during 2005-06 and 2015-16 is given in table 5. In India, the facilities given by public health care increased from 5.8 percent in 2005-06 to 2.7 percent in 2015-16. Across the state, this percentage varied from 0.4 percent to 4.8 percent in urban areas and 0.2 percent to 6.2 percent in rural areas in 2015-16. In 2005-06, Uttar Pradesh, Assam, Jammu & Kashmir, West Bengal, and Tripura were registered for giving greater facility whereas Himachal Pradesh, Karnataka, Meghalaya, Kerala and Haryana were registered for giving lesser facility. In 2015-16, Punjab, Uttarakhand, Uttar Pradesh, Jammu & Kashmir and Meghalaya were registered for giving greater facility whereas Sikkim, Andhra Pradesh, Kerala, Assam, and Karnataka were registered for giving lesser facility.

Table 6: Percentage of children getting treatment forfever across the State in India

States	NFH	NFHS-3 (2005-06)		
	Urban	Rural	Total	Total
Andhra Pradesh	73.9	78.6	77.3	60.2
Arunachal Pradesh	48.7	33.9	37.5	39.3
Assam	58	45.1	46.8	33
Bihar	57	60.1	59.8	61.9
Chhattisgarh	78.6	68.2	70.1	69.6
Goa	89.1	88.7	89	83.2
Gujarat	76.3	66.5	70.2	72.2
Haryana	80.2	80	80.1	88.9
Himachal Pradesh	NA	78.2	78.4	78.5
Jammu & Kashmir	85.7	77.1	78.5	75.2
Jharkhand	76	64.7	67.2	63
Karnataka	77.8	76.4	76.9	78.1
Kerala	90.2	89.9	90.1	80.7
Madhya Pradesh	79.6	68.3	70.9	65.1
Maharashtra	87	83	84.7	79.6
Manipur	45.6	35.6	39.1	43.2
Meghalaya	87.3	72.7	74.9	54.8

\mathcal{N} Firdaush and Das

Mizoram	62.8	29.7	50.4	50.2	
Nagaland	41.4	26.1	31.3	24.4	
Odisha	74.3	72.7	72.9	59.6	
Punjab	89.7	90.7	90.3	85.1	
Rajasthan	85.8	81.6	82.6	69.7	
Sikkim	NA	58.5	63.8	49.7	
Tamil Nadu	83.4	81.1	82.2	77.5	
Tripura	79.5	70.8	73	66.7	
Uttarakhand	86.5	74.9	78.9	65.4	
UttarPradesh	77.6	69.7	71.3	72.7	
West Bengal	78.2	72	73.5	69.7	
India	80	70.8	73.2	69.6	
Mean	62.8	57.2	66.1	65.8	
SD	45.8	41.7	29.5	16.6	

Sources: NFHS-3 (2005-06) and NFHS-4 (2015-16).

Percentage of children treated for fever for the disease of diarrhea during 2005-06 and 2015-16 is given in Table 6. In India, the facilities given by public health care increased from 69.6 percent in 2005-06 to 73.2 percent in 2015-16. Across the state, this percentage varied from 41.1 percent to 90.2 percent in urban areas and 26.1 percent to 90.7 percent in rural areas in 2015-16. In 2005-06, Kerala, Goa, Punjab, and Haryana have registered for giving greater facility whereas Nagaland, Assam, Arunachal Pradesh, Manipur and Sikkim were registered for giving lesser facility. In 2015-16, Rajasthan, Maharashtra, Goa, Kerala and Punjab have registered for giving greater facility whereas Sikkim, Nagaland, Arunachal Pradesh, Manipur and Assam were registered for giving lesser facility.

Index of Childhood Treatment across states in India

Table 7: Group Dimension Index of Childhood Treatment and Relative Position of States, 2005-06 and 2015-16

State -	20	05-06	2015-2016		
State -	GDI	RANK	GDI	RANK	
Andhra Pradesh	0.56	2	0.45	20	
Arunachal Pradesh	0.30	25	0.49	17	
Assam	0.17	27	0.34	26	
Bihar	0.34	22	0.45	19	
Chhattisgarh	0.37	15	0.60	7	
Goa	0.46	8	0.63	5	

Gujarat	0.39	14	0.43	23
Haryana	0.43	10	0.59	8
Himachal Pradesh	0.43	9	0.49	16
Jammu & Kashmir	0.47	7	0.73	2
Jharkhand	0.34	23	0.44	21
Karnataka	0.42	12	0.47	18
Kerala	0.52	4	0.41	24
Madhya Pradesh	0.35	18	0.53	13
Maharashtra	0.50	5	0.55	12
Manipur	0.26	26	0.35	25
Meghalaya	0.40	13	0.85	1
Mizoram	0.35	17	0.51	15
Nagaland	0.06	28	0.23	27
Odisha	0.35	19	0.58	9
Punjab	0.53	3	0.67	4
Rajasthan	0.34	21	0.51	14
Sikkim	0.31	24	0.18	28
Tamil Nadu	0.35	20	0.63	6
Tripura	0.57	1	0.44	22
Uttarakhand	0.43	11	0.73	3
Uttar Pradesh	0.37	16	0.56	11
West Bengal	0.50	6	0.57	10

Sources: NFHS-3 (2005-06) and NFHS-4 (2015-16).

The Dimensional Index (DI) of each indicator of Childhood Treatment and Relative Position are calculated for the years 2005-06 and 2015-16. After taking the average of all DI of a particular dimension, we obtain Group Dimension Index (GDI). With the help of GDI value, we obtained the rank of the states in 2005-06 and 2015-16. Here, greater value of GDI implies that the states were having Greater Coverage for Childhood treatment in various diseases. Highest value corresponds to rank 1 (Table 7).

The ranking of States on the basis of the coverage of Childhood disease treatment for 2005-06 and 2015-16 are shown in Figs 1 & 2. In 2005-06, the five states having the highest percent coverage of childhood disease treatment were Tripura, Andhra Pradesh, Punjab, Kerala and Maharashtra. Among them only one State (Punjab) still remain in the list of top five states in 2015-16. Other four states were Meghalaya, Jammu & Kashmir, Uttarakhand and Goa. West Bengal's position was 6th in 2005-06 which reduced to 10th in 2015-16.

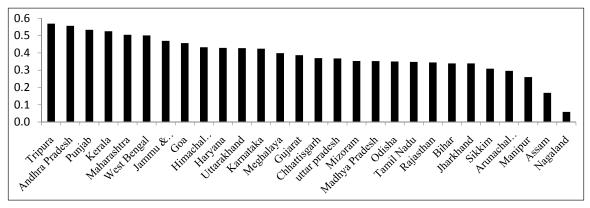


Fig. 1: Rank of the states based on Group Dimension Index (GDI), 2005-06

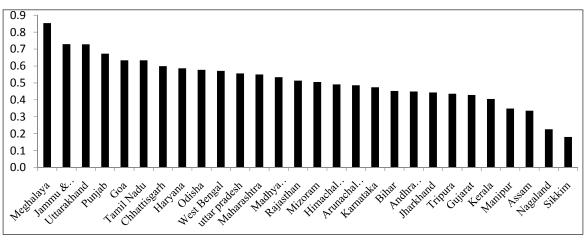


Fig. 2: Rank of the states based on Group Dimension Index (GDI), 2015-16

CONCLUSION

In India, the facilities given by public health care during the period of childhood disease have increased from 9 percent in 2005-06 to 9.2 percent in 2015-16. The supplies of ORS packets to the children with diarrhea, children who received zinc for the disease of diarrhea, the facilities given by public health care and the percentage of children treated for ARI for the disease of diarrhea have significantly increased over the decade. From the Group dimension Index; we have ranked the states according to their relative positions on the basis of the treatment giving to the children during their suffering from diseases across the states of India. Here greater value of GDI implies that the states were giving better facility to the children and vice versa. In 2005-06, the top five states having the highest percent coverage of childhood disease treatment were Tripura, Andhra Pradesh, Punjab, Kerala and Maharashtra. Among them only one State (Punjab) still remain in the list of top five states in 2015-16. Other four states were Meghalaya,

Jammu & Kashmir, Uttarakhand and Goa. West Bengal's position was 6th in 2005-06 which reduced to 10th in 2015-16.

REFERENCES

- Agnihotri, S.B. 2001. Declining infant and child mortality in India: How do girl children fare?. *Economic and Political Weekly*, 228-233.
- Borooah, V.K., Diwakar, D. and Sabharwal, N.S. 2014. Evaluating the social orientation of the integrated child development services programme. *Economic and Political Weekly*, **49**(12): 52-62.
- Deodhar, N.S. 2001. Health situation in India: 2001, 1st Edition. New Delhi: Voluntary Health Association of India 2001.
- Ganotra, K. 2016. Flawed Child Labour Law Amendment, Economic & Political Weekly, **51**(35).
- Saikia, N., Singh, A. and Ram, F. 2010. Has child mortality in India really increased in the last two decades?. *Economic and Political Weekly*, **45**(51): 62-70.
- Sengupta, K. 2016. Determinant of health status in India, Springer, New Delhi.
- Sinha, S. 2006. Infant survival: A political challenge. *Economic and Political Weekly*, 3657-3660.