



CENTRE FOR LEARNING RESOURCES, PUNE

Chhattisgarh Fulwari Baseline Study - 2013-14

Preliminary Findings

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1. Study Design

Indicators studied and method of data collection

Indicators studied and methods of data collection	Sources of data	Sample	Methods
Nutritional status: Height, Weight, Age	Direct Measurement of Height and Weight; Age as reported by parent / caregiver	Weight measurement for all children 0-3 years in the habitation in all blocks Height measurement for all children 0-3 years in the habitation in 30 randomly selected blocks	Direct Screening
Preventive and curative measures (dealing with diarrhoea, respiratory infection, fever, vaccination, feeding)	Parent / Caregiver	Three children per habitation (one from the age category of 0-12 months ¹ and two from 13-36 months) selected randomly out of the age-stratified lists of all 6 months to 3 year-children	Interview (tool developed by SHRC)
Child-care practices	Parent / Caregivers	Three children per habitation (one from the age category of 0-12 months ¹ and two from 13-36 months) selected randomly out of the age-stratified lists of all 6 months to 3 year-children	Interview (tool developed by CLR)

¹ At the onset, it was proposed that data would be collected from one child per habitation in the 6-12 month age group. However, it was discovered at the time of data collection that children below 6 months of age attend fulwaris as well. Thus, this age group has been expanded as 0-12 months to accommodate the data collected.

Sampling

This quasi-experimental study covered 10 habitations in each of the 72 blocks. Five of these habitations were paras where the Fulwaris were scheduled to start. Five other neighbouring habitations, where Fulwaris were not immediately scheduled to start was also selected from each block. The sample habitations of both categories (Fulwari and Non-Fulwari) were uniformly selected from across the 72 blocks through systematic random sampling. In all, 360 Fulwari and 360 non-Fulwari habitations were selected. In each sampled habitation, the sample respondents were selected as given in table above. Data was collected between September and December, 2014.

Distribution of sample between Fulwari and non Fulwari habitation

<i>Fulwari</i>		<i>Non Fulwari</i>	
FW	FW%	NF	NFW %
1000	49.8%	1007	50.2%

List of blocks and number of caregivers sampled for the interview

Name of block	Fulwari	Non Fulwari	Total
Achauki	15	12	27
Antagarh	13	9	22
Bagicha	15	15	30
Baikunthpur	9	8	17
Bakawand	17	12	29
Bastar	15	15	30
Batauli	15	15	30
Bhairamgarh	15	13	28
Bhaiyathan	15	13	28
Bhanpur	12	17	29

Name of block	Fulwari	Non Fulwari	Total
Bhanupratappur	15	14	29
Bharatpur	12	14	26
Bhopalpatnam	15	15	30
Bijapur	15	15	30
Charama	16	10	26
Dantewada	15	14	29
Darbha	15	15	30
Dharamjaygarh	14	15	29
Dondi	15	15	30
Duldula	15	14	29
Durgukondal	9	8	17
Gaurela	15	15	30
Ghargoda	14	14	28
Gidam	14	9	23
Hindgarh	15	15	30
Hura	12	13	25
Kanker	15	14	29
Kansabel	15	11	26
Kartala	15	15	30
Katekalyan	15	15	30
Keshkal	11	18	29
Khandgava	13	13	26
Kondagaon	15	14	29
Konta	15	12	27
Korba	15	15	30
Kothalibeda	12	11	23
Kuakonda	12	13	25
Kusami	0	30	30
Lakhanpur	14	14	28
Lelunga	15	15	30
Lodam	15	15	30
Lohandiguda	15	15	30
Mainpat	15	14	29
Mainpur	15	14	29
Manendragarh	12	12	24
Manora	15	15	30
Marwahi	14	15	29
Mohala	14	15	29
Nangur	15	15	30
Narayanpur	15	11	26
Narharpur	14	12	26
Pali	15	15	30

Name of block	Fulwari	Non Fulwari	Total
Patthalgaon	15	15	30
Pendra	10	16	26
Pharsabahar	15	14	29
Pondiuproda	13	14	27
Pratappur	14	15	29
Premnagar	14	13	27
Rajpur	15	15	30
Ramanujnagar	14	10	24
Ramchandrapur	15	15	30
Shankargarh	14	15	29
Sitapur	15	15	30
Sonhat	13	15	28
Sukama	13	14	27
Surajpur	14	14	28
Tamnara	15	15	30
Tokapal	14	15	29
Udaypur	14	14	28
Usur	13	15	28
Vishrampur	13	14	27
Wadrafnagar	14	12	26
Total	1000	1007	2007

External Validation

In order to ensure reliability of measurement, external validation was conducted by four supervisors recruited by the CLR. Out of a total of 72 blocks where data was collected for the baseline study, 24 blocks were randomly selected as sites for external validation. The supervisors would visit each of these blocks and collect data from the children aged between 0 and 3 years. The external validation was proposed for 10% of the sample: 776 data points for weight and 262 data point for height. However, external validation data was available for 542 data points for weight and 516 data points for height. On an average, the supervisors were collecting data two days before surveyors, standard deviation of this average is 21.45.

For the sample of 542 children, a strong correlation of .968 was found between the external and SPSs for measurement of weight. For a sample of 516 children, a quite strong correlation

of .771 was found between the external and the SPSs for measurement of height. The reduced correlation for height can be attributed to the higher complexity in measurement of height of small children. Nevertheless, both height and weight correlations are substantially greater than .5 and can be considered strong (Cohen, 1988), establishing the validity of the data collected by the SPS's.

Instruments

The sections on demographic details, health practises and nutrition practises were common across respondent categories. The section on psychosocial care practices was customized for the two age categories: six months to one year and one year to three years. Similar practices and aspects were explored but information sought varied in the degree of detail and complexity.

Data Analysis

Nutritional Status

World Health Organisation (WHO) Child Growth Standards (CGS) provides reference curves for three different types of measurement. Weight for Age curves help identify "Underweight" children, Height for Age curves "Stunted" children and Weight for Height curves "Wasted" children. In each case, the nutrition status is measured by the z-score, a measure of the number of standard deviations a particular child is from the median reference.

The Z scores for the entire population of 2007 respondents, for whom detailed information was collected, were calculated using WHO Anthro, World Health Organization's software for analysis of nutritional surveys. WHOAnthro produces Weight for Age Z scores (WAZ), Height forAge Z scores (HAZ), and Weight for Height Z scores (WHZ). Malnourished children are categorized into moderate malnutrition category (between -2 and -3 standard deviations) and severe malnutrition category (less than -3 standard deviation).

Standardized lower and upper standard deviation boundaries flag limits were set for identifying any extreme or potentially incorrect z-score values for each indicator, suggesting incorrect data. These values were excluded from further analyses.

Indicator	Lower SD	Higher SD
WAZ	-6	+5
HAZ	-6	+6
WHZ	-5	+5

To understand nutritional status of children, the WAZ, HAZ, and WHZ scores for the sample are categorized into moderate and severe malnutrition and examined in relation to demographics of the family. In addition, average scores of WAZ, HAZ, and WHZ with respect to the different demographics are presented to enable an understanding of possible relationships.

Health, Nutrition and Psychosocial Practises

To understand the status of health, nutrition and psychosocial practises, frequency distributions have been used to understand prevalence or absence of practises. Basic demographic data on age, caste and sex was collected for the large sample set of 7763 in addition to weight; this comprised all available children in the target age group in the sample villages. Comprehensive data was collected only for a smaller subset of 2007 children as it was logistically infeasible to conduct detailed interview with parents of the 7763 children.

2. Demographic Data

Table 2.1 Percentage distribution of children by age group

Age groups	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
(0-6)	846	20%	696	20%	1542	20%
(7-12)	657	16%	581	16%	1238	16%
(13-18)	729	17%	667	19%	1396	18%
(19-24)	669	16%	552	15%	1221	16%
24-36	1169	28%	983	28%	2152	28%
>36	124	3%	90	3%	214	3%
Total	4194	100%	3569	100%	7763	100%

Figure 2.1 Percentage distribution of children by age group

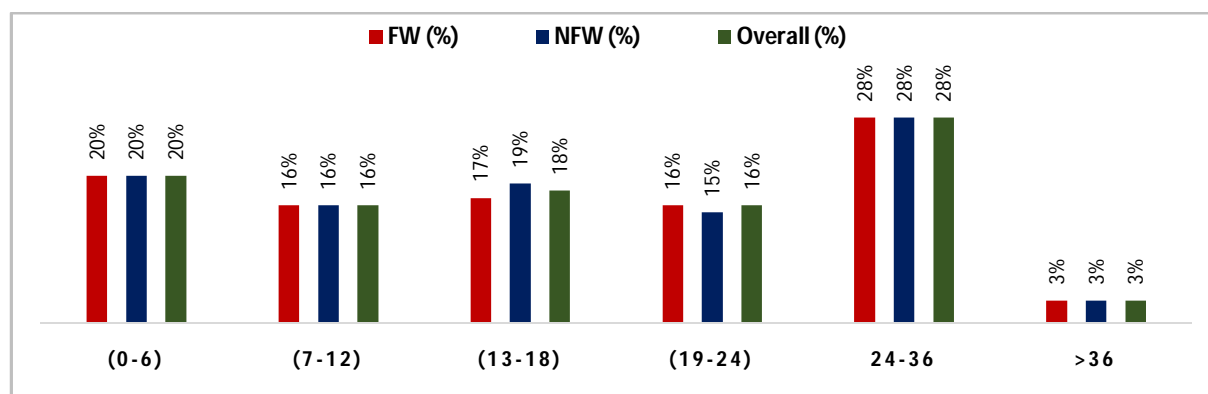


Table 2.2 Percentage distribution of children by sex

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Female	2141	51%	1779	50%	3920	50%
Male	2053	49%	1790	50%	3843	50%
Total	4194	100%	3569	100%	7763	100%

Figure 2.2 Percentage distribution of children by sex

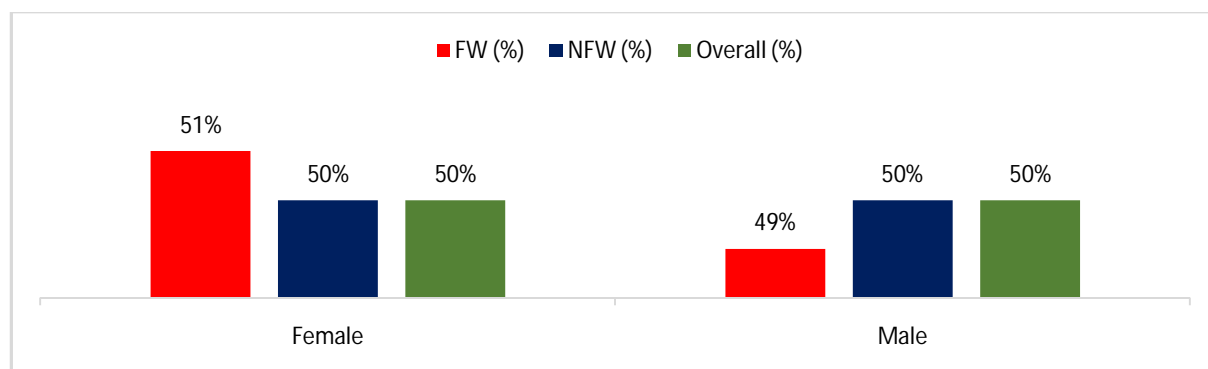


Table 2.3 Percentage distribution of children by caste

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
ST	2828	67%	2226	62%	5054	65%
SC	314	7%	269	8%	583	8%
OBC	817	19%	812	23%	1629	21%
General	152	4%	176	5%	328	4%
No Resp.	83	2%	86	2%	169	2%
Total	4194	100%	3569	100%	7763	100%

Figure 2.3 Percentage distribution of children by caste

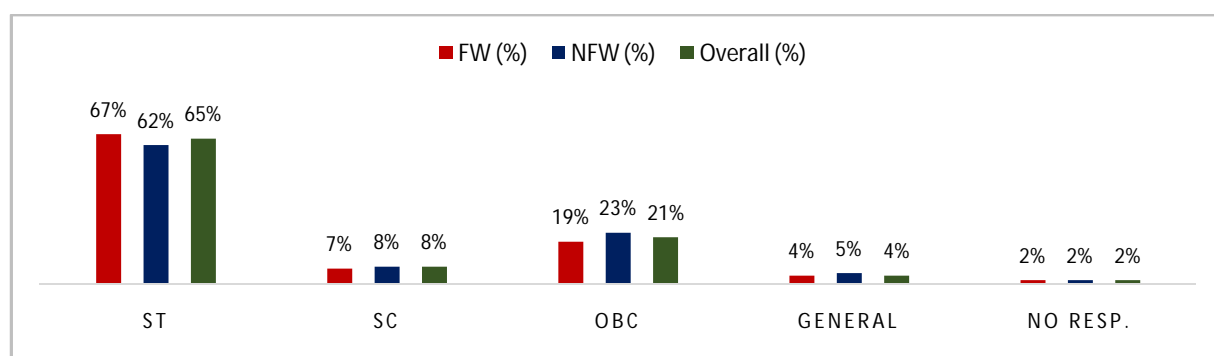


Table 2.4 Distribution of children based on sex and age

Age Grp	FW				NFW				Overall			
	Female (n)	Female (%)	Male (n)	Male (%)	Female (n)	Female (%)	Male (n)	Male (%)	Female (n)	Female (%)	Male (n)	Male (%)
(0-6)	342	19%	354	20%	432	20%	414	20%	774	20%	768	20%
(7-12)	281	16%	300	17%	325	15%	332	16%	606	15%	632	16%
(13-18)	308	17%	359	20%	369	17%	360	18%	677	17%	719	19%
(19-24)	284	16%	268	15%	334	16%	335	16%	618	16%	603	16%
(25-36)	509	29%	474	26%	612	29%	557	27%	1121	29%	1031	27%
>36	55	3%	35	2%	69	3%	55	3%	124	3%	90	2%
Total (0-36)	1779	100%	1790	100%	2141	100%	2053	100%	3920	100%	3843	100%

Figure 2.4 Distribution of children based on sex and age

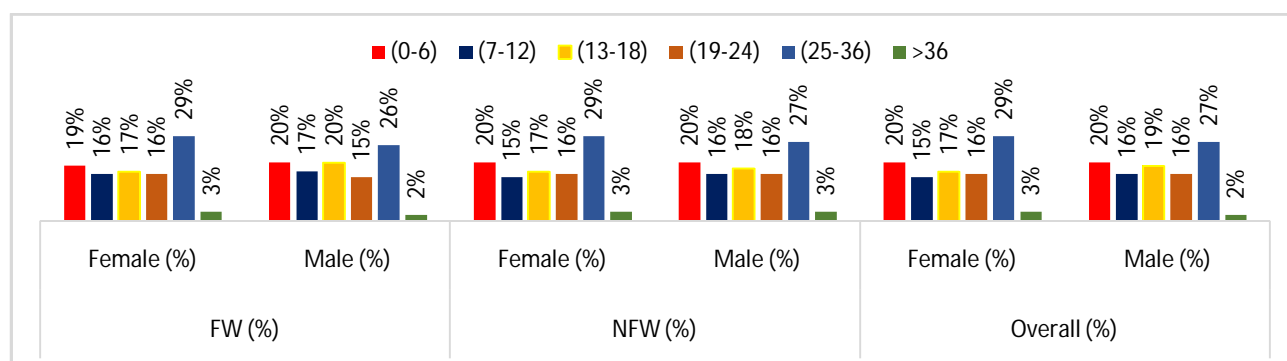


Table 2.5 Percentage distribution of children by age of mother

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
<20 Yrs	6	1%	4	0%	10	0%
20-25 Yrs	464	46%	473	47%	937	47%
26-30 Yrs	372	37%	368	37%	740	37%
>30 Yrs	150	15%	154	15%	304	15%
No Resp.	8	1%	8	1%	16	1%
Total	1000	100%	1007	100%	2007	100%

Figure 2.5 Percentage distribution of children by age of mother

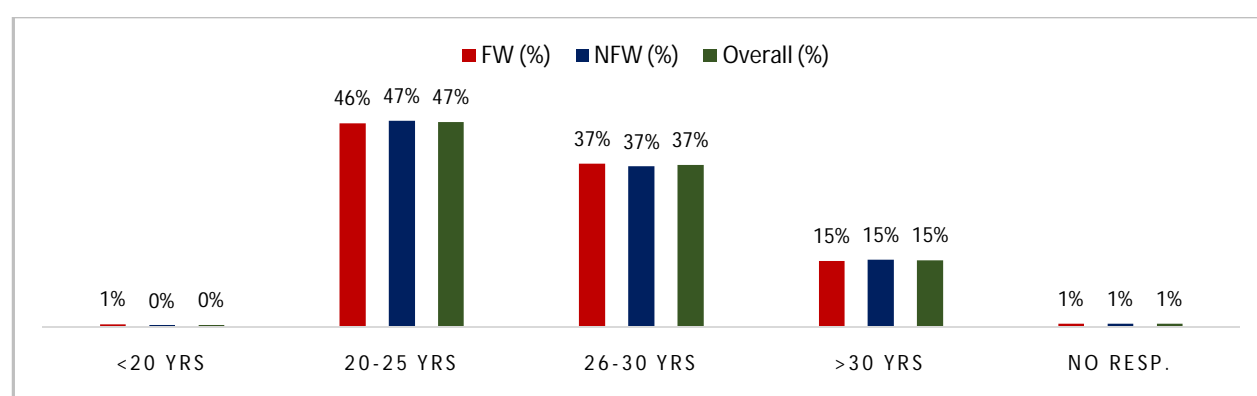


Table 2.6 Percentage distribution of children by mother's education

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Illiterate	422	42%	411	41%	833	42%
1-4 Years	81	8%	66	7%	147	7%
5-7 Years	215	22%	205	20%	420	21%
8-9 Years	195	20%	205	20%	400	20%
10-11 Years	58	6%	78	8%	136	7%
>=12 Years	29	3%	42	4%	71	4%
No Resp	0	0%	0	0%	0	0%
Total	1000	100%	1007	100%	2007	100%

Figure 2.6 Percentage distribution of children by mother's education

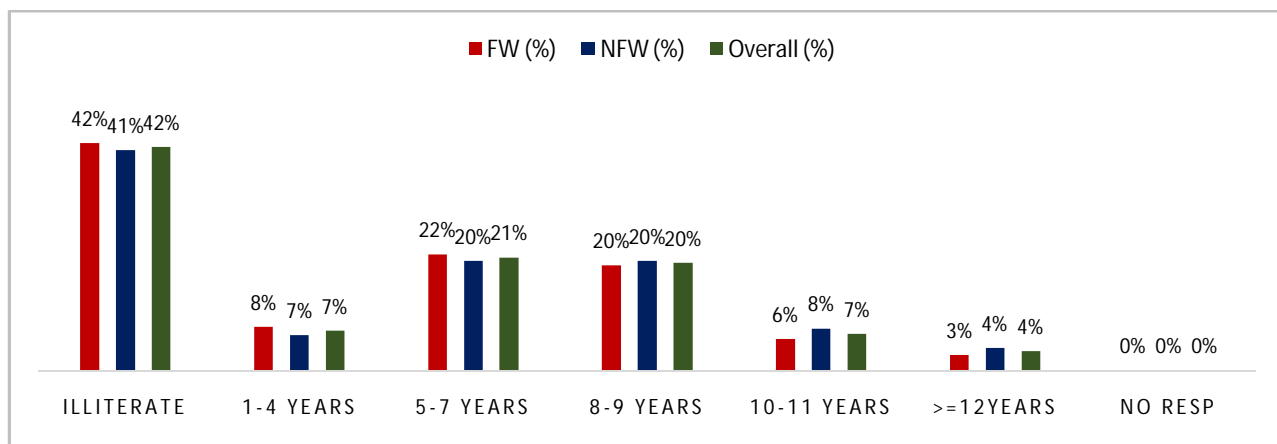
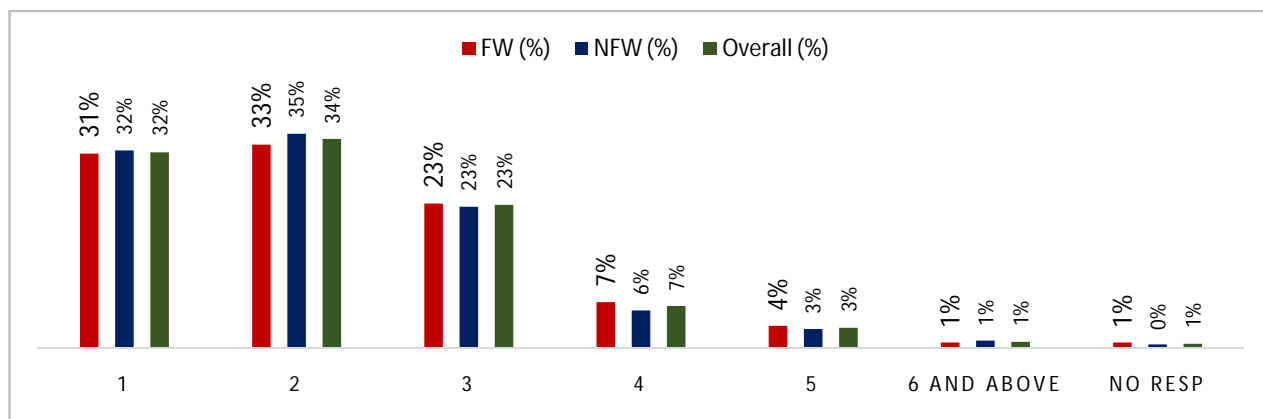


Table 2.7 Percentage distribution of children by number of children a mother has

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
1	314	31%	321	32%	635	32%
2	328	33%	349	35%	677	34%
3	233	23%	230	23%	463	23%
4	74	7%	61	6%	135	7%
5	35	4%	30	3%	65	3%
6 and above	8	1%	11	1%	19	1%
No Resp	8	1%	5	0%	13	1%
Total	1000	100%	1007	100%	2007	100%

Figure 2.7 Percentage distribution of children by number of children a mother has



3. Nutritional Status

Weight for Age Z-Score (WAZ)

Table 3.1 Percentage distribution of WAZ by age of child-FW hamlets

Age groups	Moderate		Severe		Total			
	(-2SD to -3SD)		(<-3SD)		Count	%	Mean	SD
	Count	%	Count	%				
(0-6)	155	19%	114	14%	801	100%	-1.29	1.75
(7-12)	174	27%	84	13%	646	100%	-1.53	1.37
(13-18)	188	27%	129	18%	707	100%	-1.91	1.24
(19-24)	210	32%	121	19%	654	100%	-2.01	1.23
(25-36)	380	33%	233	20%	1146	100%	-2.13	1.15
(>36)	29	24%	46	39%	119	100%	-2.61	1.18
Total (0-36)	1136	28%	727	18%	4073	100%	-1.83	1.39

Figure 3.1 Distribution of WAZ against WHO standards in FW hamlets

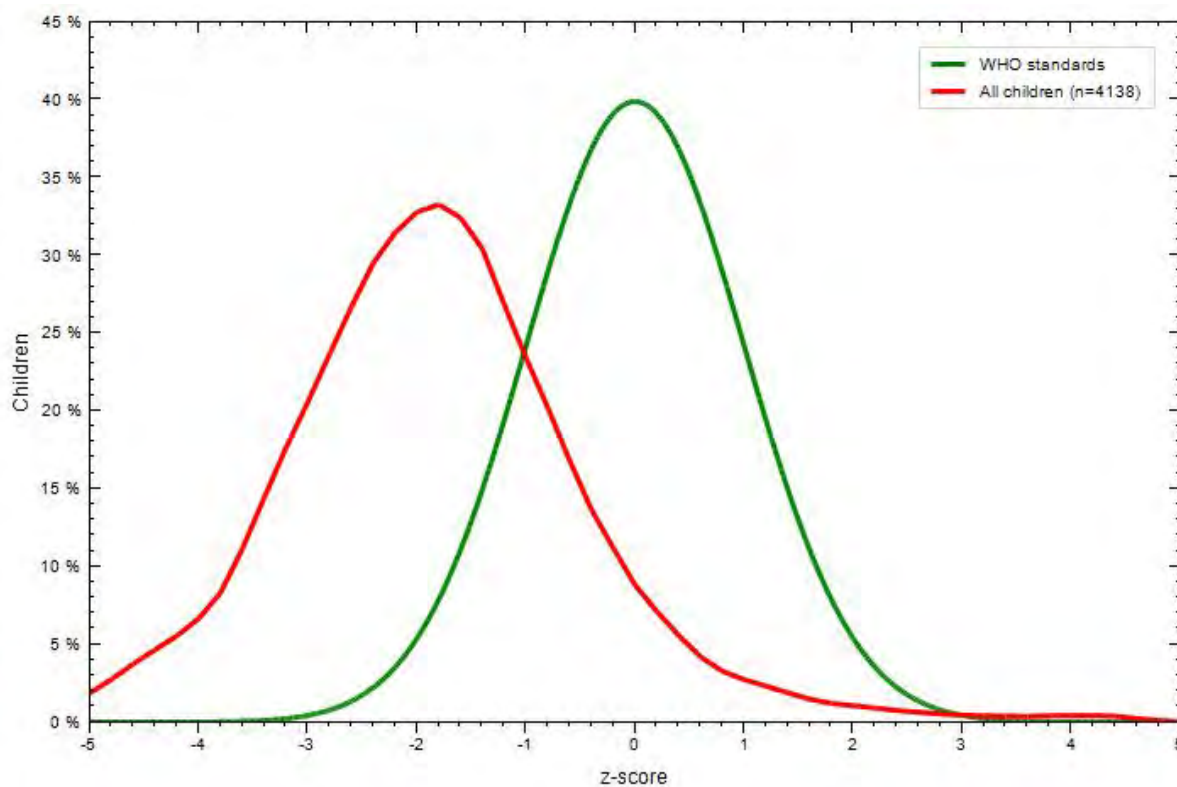


Table 3.2 Percentage distribution of WAZ by age of child-NFW hamlets

Age groups	Moderate		Severe		Total			
	(-2SD to -3SD)		(<-3SD)		Count	%	Mean	SD
	Count	%	Count	%				
(0-6)	110	17%	99	15%	654	100%	-1.35	1.78
(7-12)	155	27%	76	13%	566	100%	-1.61	1.42
(13-18)	190	29%	94	14%	657	100%	-1.8	1.27
(19-24)	176	33%	70	13%	540	100%	-1.86	1.1
(25-36)	329	34%	163	17%	968	100%	-2.05	1.06
(>36)	29	34%	29	34%	85	100%	-2.54	1.11
Total (0-36)	989	29%	531	15%	3470	100%	-1.78	1.35

Figure 3.2 Distribution of WAZ against WHO standards in NFW hamlets

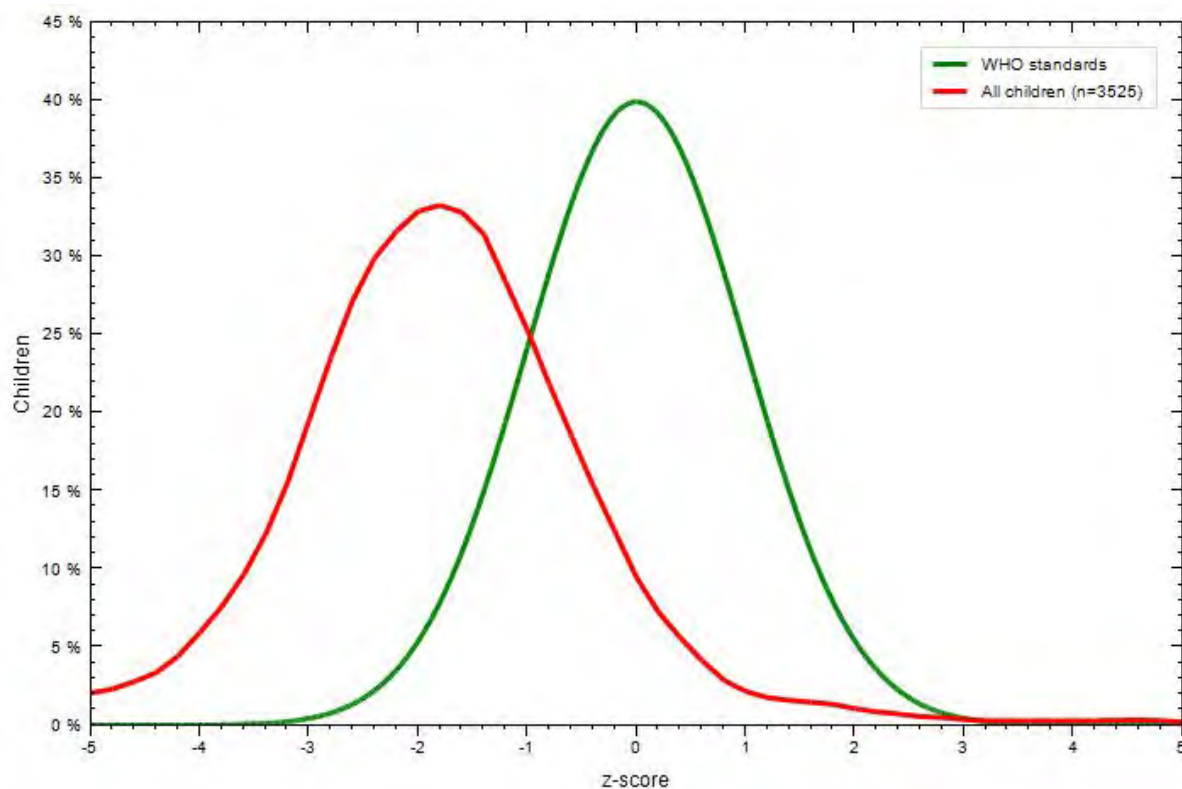


Table 3.3 Percentage distribution of WAZ by age of child-overall

Age groups	Moderate		Severe		Total			
	(-2SD to -3SD)		(<-3SD)		Count	%	Mean	SD
	Count	%	Count	%				
(0-6)	265	18%	213	15%	1455	100%	-1.32	1.76
(7-12)	329	27%	160	13%	1212	100%	-1.57	1.39
(13-18)	378	28%	223	16%	1364	100%	-1.86	1.26
(19-24)	386	32%	191	16%	1194	100%	-1.94	1.17
(25-36)	709	34%	396	19%	2114	100%	-2.09	1.11
(>36)	58	28%	75	37%	204	100%	-2.58	1.15
Total (0-36)	2125	28%	1258	17%	7543	100%	-1.81	1.38

Figure 3.3 Overall distribution of WAZ against WHO standards

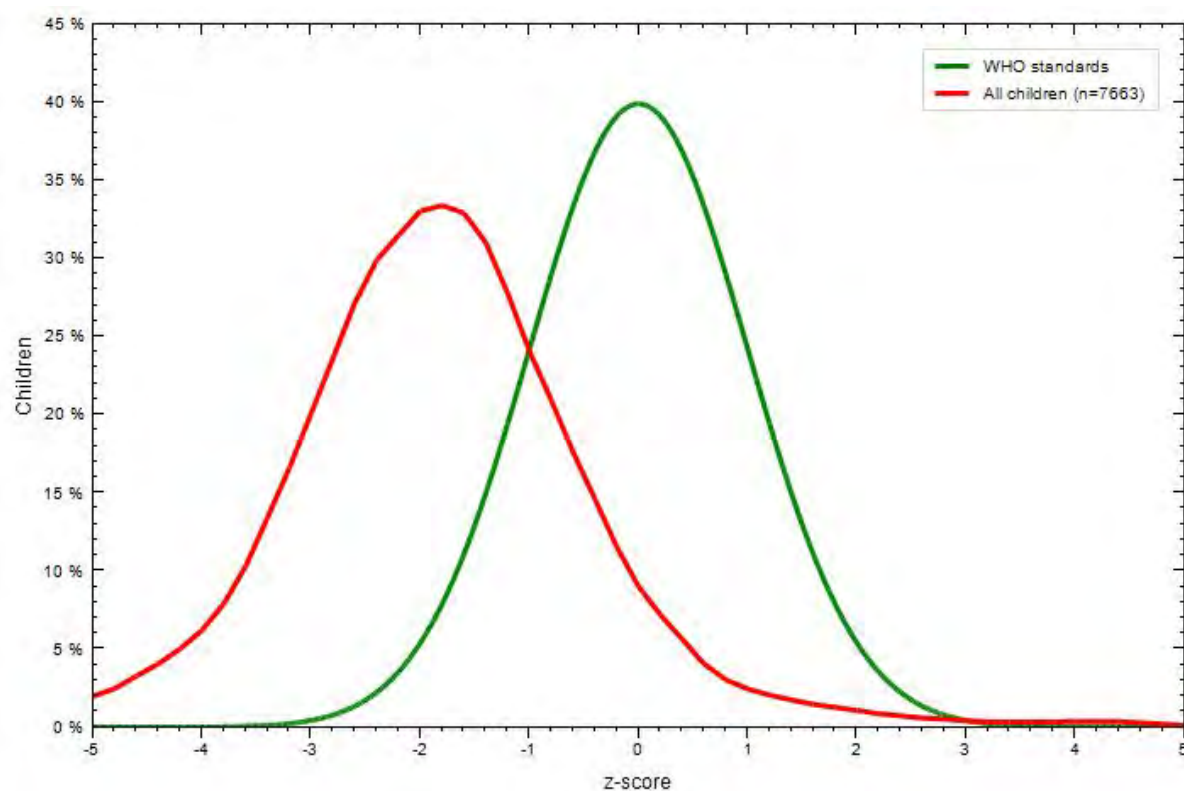


Figure 3.4 Average WAZ scores based on age groups

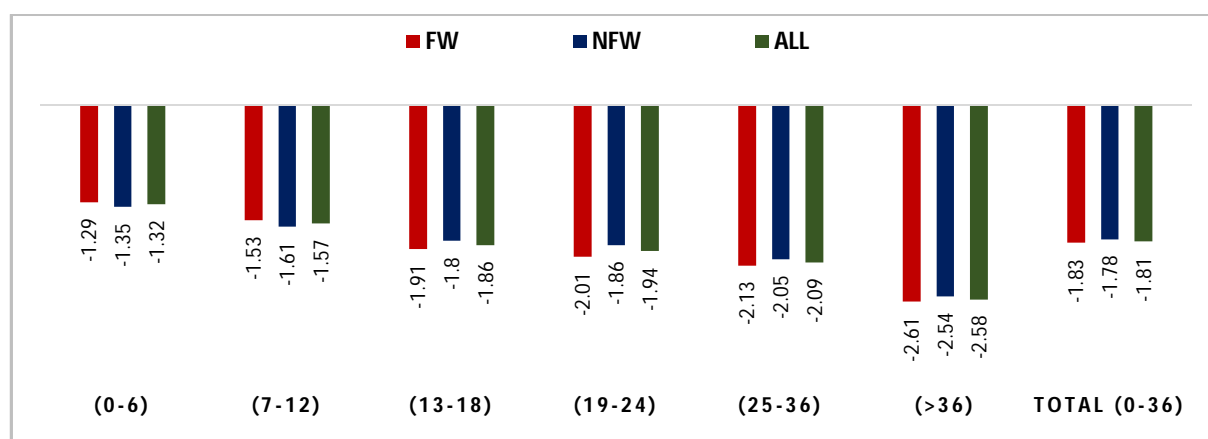


Table 3.4 Percentage Distribution of WAZ scores based on sex

Gender	FW				NFW				ALL			
	Moderate		Severe		Moderate		Severe		Moderate		Severe	
	(-2SD to -3SD)		(<-3SD)		(-2SD to -3SD)		(<-3SD)		(-2SD to -3SD)		(<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Female	565	27%	327	16%	470	27%	263	15%	1035	27%	590	15%
Male	571	29%	400	20%	519	30%	268	16%	1090	29%	668	18%
Total	1136	28%	727	18%	989	29%	531	15%	2125	28%	1258	17%

Table 3.5 Average WAZ scores based on sex

Gender	FW			NFW			ALL		
	n	Mean	SD	n	Mean	SD	n	Mean	SD
Female	2086	-1.74	1.39	1741	-1.75	1.32	3827	-1.74	1.36
Male	1987	-1.92	1.39	1729	-1.81	1.39	3716	-1.87	1.39
Total	4073	-1.83	1.39	3470	-1.78	1.35	7543	-1.81	1.38

Figure 3.5 Average WAZ scores based on sex

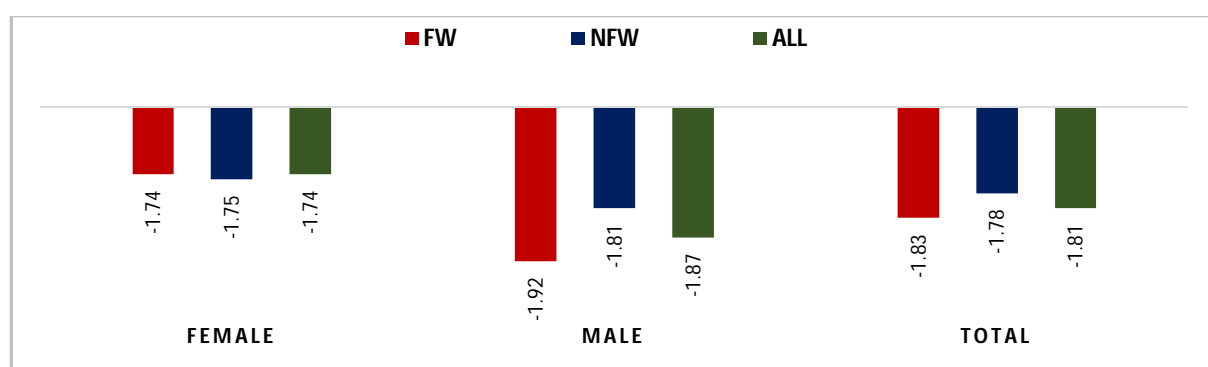


Figure 3.6 Sex wise distribution of WAZ against WHO standards for all hamlets

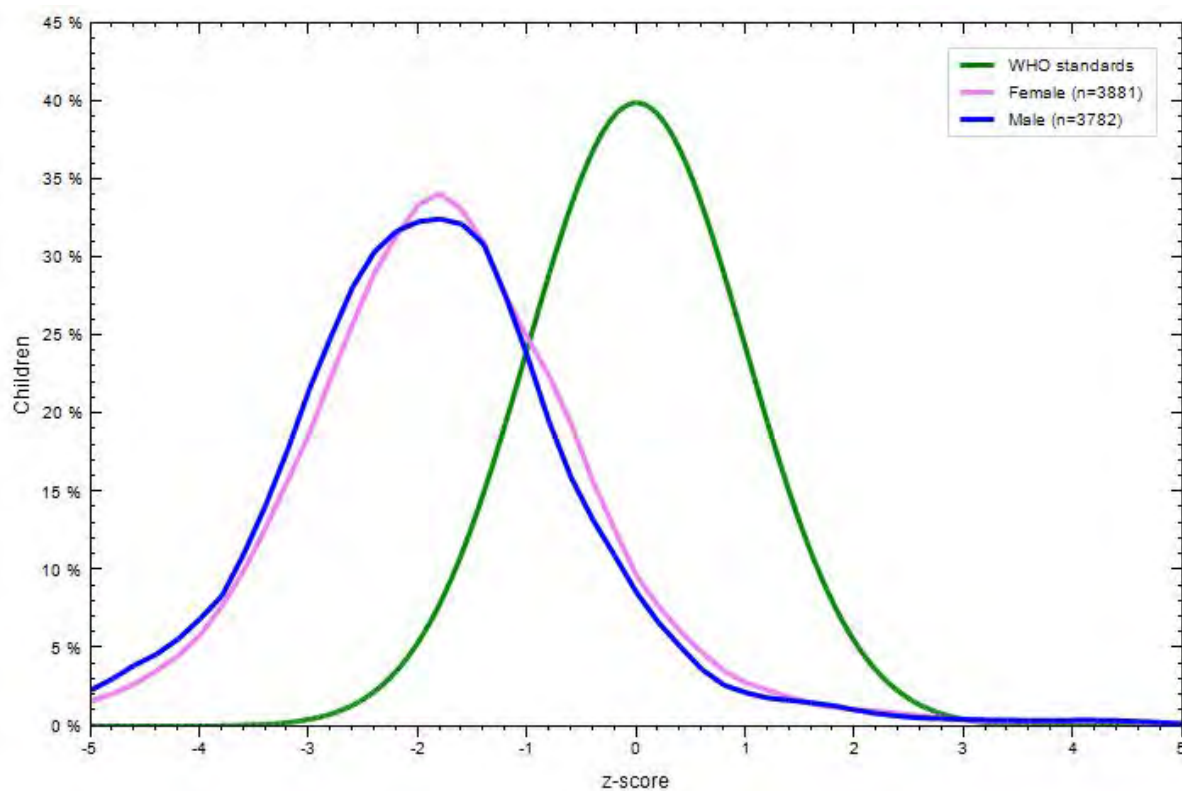


Figure 3.7 Sex wise distribution of WAZ against WHO standards - FW hamlets

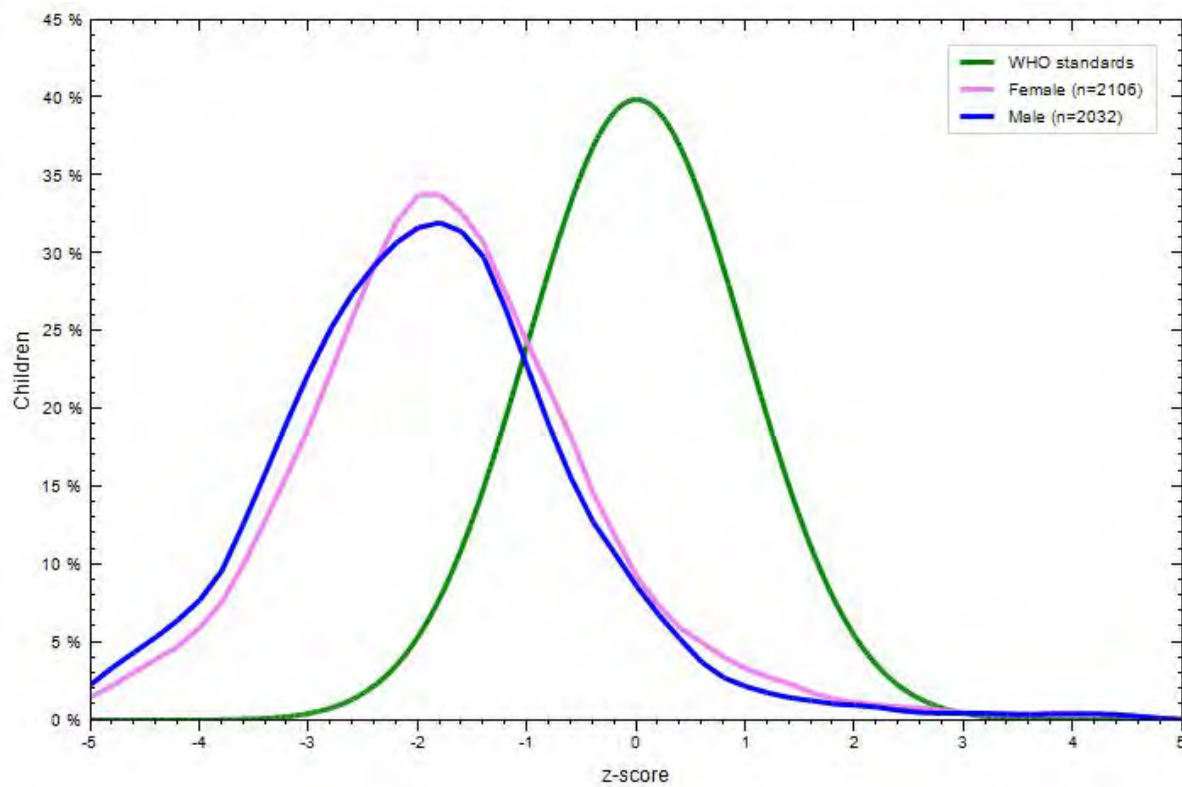


Figure 3.8 Sex wise distribution of WAZ against WHO standards - NFW hamlets

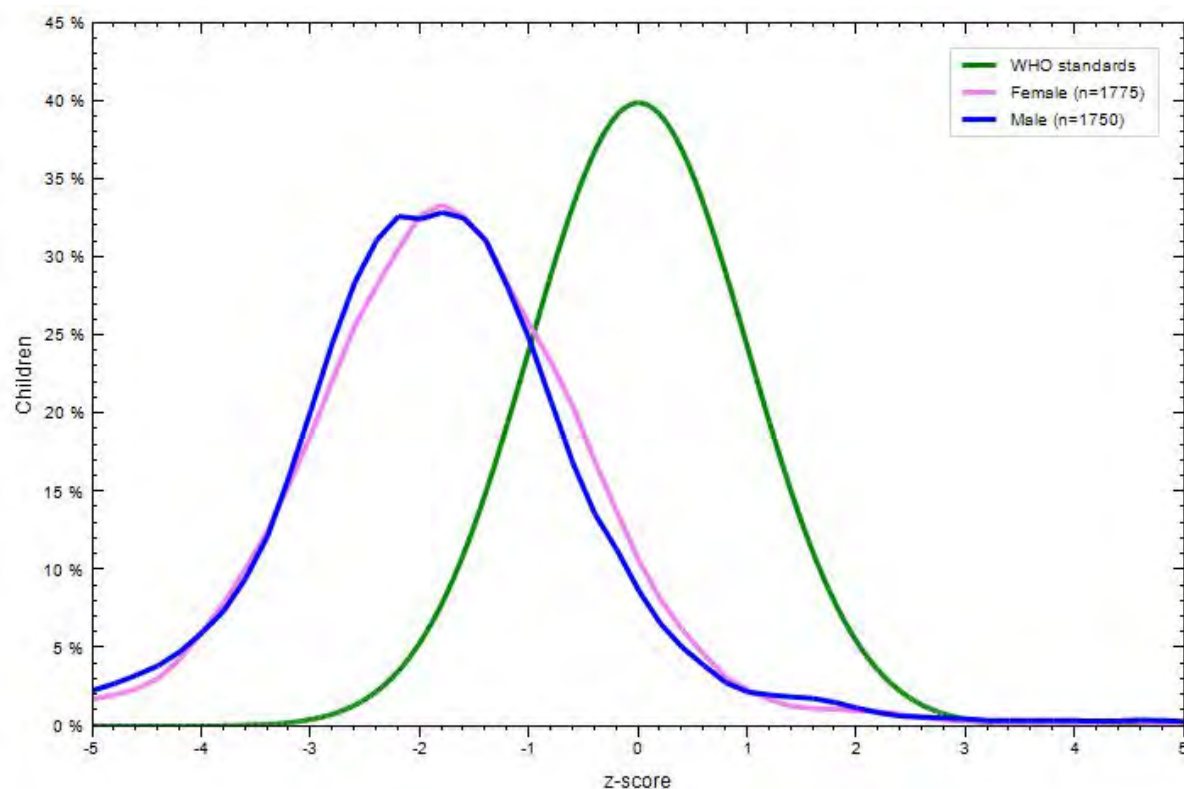


Table 3.6 Percentage distribution of WAZ by caste

Caste	FW				NFW				ALL			
	Moderate		Severe		Moderate		Severe		Moderate		Severe	
	(-2SD to -3SD)		(<-3SD)		(-2SD to -3SD)		(<-3SD)		(-2SD to -3SD)		(<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
ST	789	29%	543	20%	642	30%	366	17%	1431	29%	909	19%
SC	85	28%	49	16%	72	28%	38	15%	157	28%	87	16%
OBC	204	26%	110	14%	203	26%	94	12%	407	26%	204	13%
General	42	28%	11	7%	51	31%	20	12%	93	30%	31	10%
No Resp.	16	21%	14	18%	21	24%	13	15%	37	23%	27	17%
Total	1136	28%	727	18%	989	29%	531	15%	2125	28%	1258	17%

Table 3.7 Average WAZ score based on caste

Gender	FW			NFW			ALL		
	N	Mean	SD	n	Mean	SD	n	Mean	SD
ST	2754	-1.9	1.38	2167	-1.86	1.35	4921	-1.88	1.37
SC	300	-1.8	1.32	259	-1.73	1.27	559	-1.77	1.3
OBC	791	-1.64	1.4	794	-1.59	1.39	1585	-1.62	1.4
General	150	-1.46	1.44	164	-1.76	1.33	314	-1.62	1.39
No Resp.	78	-1.73	1.58	86	-1.82	1.33	164	-1.78	1.45
Total	4073	-1.83	1.39	3470	-1.78	1.35	7543	-1.81	1.38

Figure 3.9 Average WAZ scores based on caste

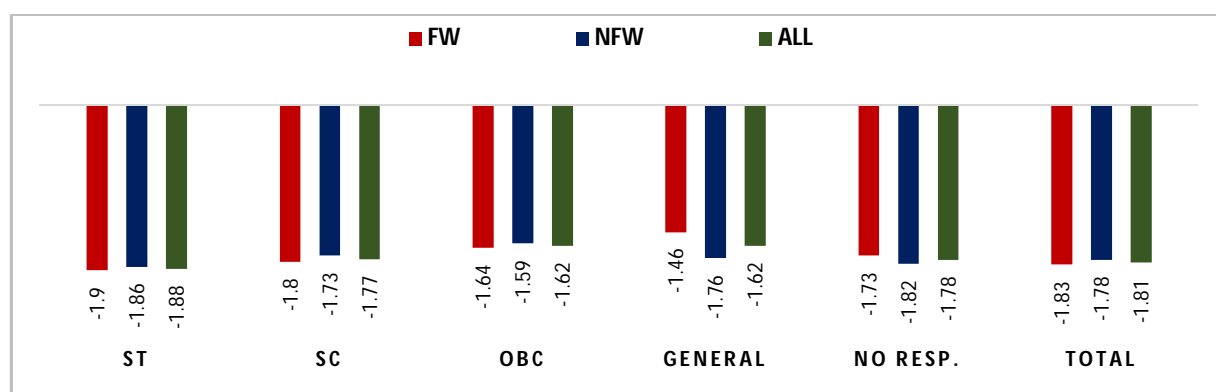


Table 3.8 Percentage distribution of WAZ by mother's age

Mother's Age	FW				NFW				ALL			
	Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
<20 Yrs	0	0%	0	0%	1	25%	0	0%	1	10%	0	0%
20-25 Yrs	135	30%	69	16%	134	30%	69	15%	269	30%	138	15%
26-30 Yrs	118	34%	54	15%	110	31%	60	17%	228	32%	114	16%
>30 Yrs	39	26%	31	21%	43	29%	21	14%	82	28%	52	18%
No Resp.	4	50%	1	13%	2	33%	1	17%	6	43%	2	14%
Total	296	31%	155	16%	290	30%	151	16%	586	31%	306	16%

Table 3.9 Average WAZ score based on mother's age

Mother's Age	FW		NFW		ALL	
	n	Mean	n	Mean	n	Mean
<20 Yrs	6	-1.44	4	-0.85	10	-1.20
20-25 Yrs	445	-1.85	448	-1.75	893	-1.80
26-30 Yrs	351	-1.88	353	-1.85	704	-1.86
>30 Yrs	148	-1.94	148	-1.68	296	-1.81
No Resp.	8	-2.16	6	-1.84	14	-2.03
Total	958	-1.88	959	-1.77	1917	-1.82

Figure 3.10 Average WAZ scores based on mother's age

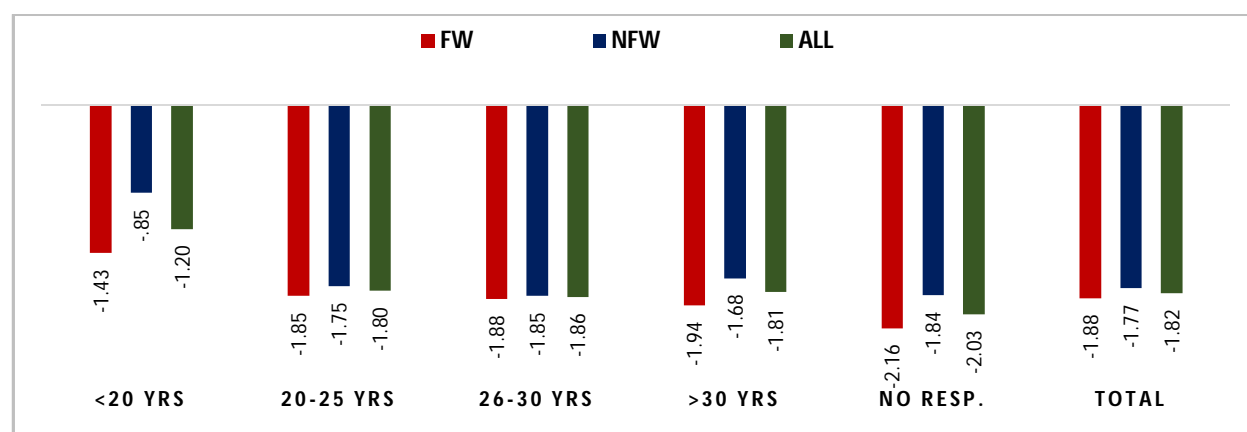


Table 3.10 Percentage distribution of WAZ by mother's education

No. of years of mother's education	FW				NFW				ALL			
	Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Illiterate	127	32%	76	19%	114	29%	73	19%	241	30%	149	19%
1-4 Years	27	34%	8	10%	26	41%	8	13%	53	37%	16	11%
5-7 Years	64	31%	39	19%	56	29%	39	20%	120	30%	78	19%
8-9 Years	57	30%	27	14%	56	29%	26	13%	113	30%	53	14%
10-11 Years	13	23%	3	5%	21	30%	3	4%	34	27%	6	5%
>=12Years	8	29%	2	7%	17	43%	2	5%	25	37%	4	6%
Total	296	31%	155	16%	290	30%	151	16%	586	31%	306	16%

Table 3.11 Average WAZ scores based on mother's education

No. of years of mother's education	FW		NFW		ALL	
	n	Mean	n	Mean	n	Mean
Illiterate	402	-1.95	394	-1.86	796	-1.90
1-4 Years	79	-1.74	63	-1.76	142	-1.75
5-7 Years	206	-2.00	196	-1.87	402	-1.93
8-9 Years	187	-1.84	196	-1.68	383	-1.76
10-11 Years	56	-1.33	70	-1.52	126	-1.44
>=12Years	28	-1.63	40	-1.45	68	-1.52
Total	958	-1.88	959	-1.77	1917	-1.82

Figure 3.11 Average WAZ scores based on mother's education

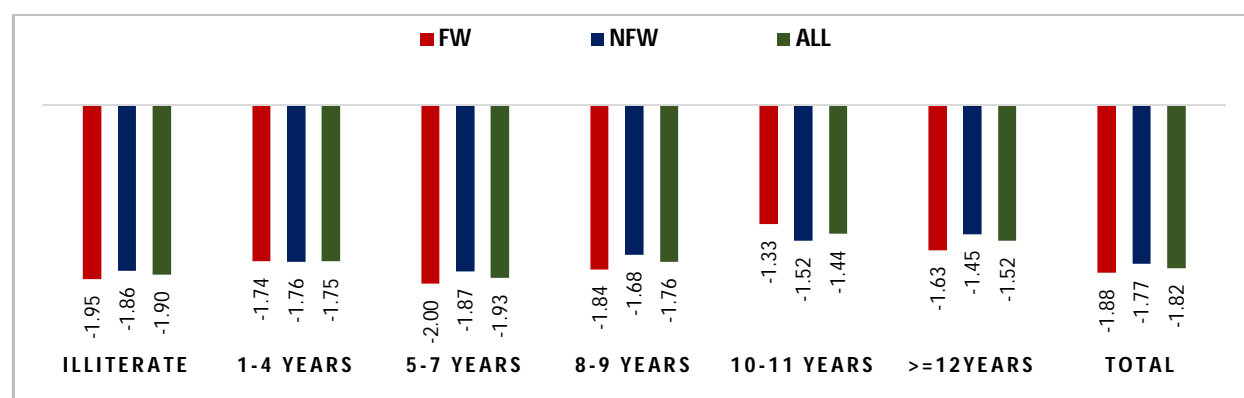


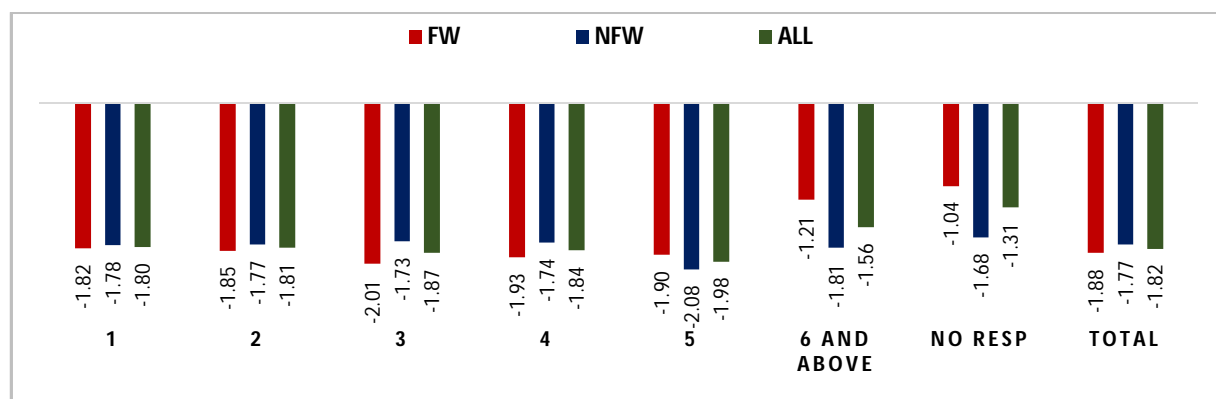
Table 3.12 Percentage distribution of WAZ by number of children a mother has

No. of Children	FW				NFW				ALL			
	Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1	83	28%	47	16%	87	29%	49	16%	170	28%	96	16%
2	96	31%	55	18%	108	32%	49	15%	204	31%	104	16%
3	77	34%	35	16%	62	29%	34	16%	139	32%	69	16%
4	25	35%	10	14%	19	32%	11	18%	44	34%	21	16%
5	10	29%	7	20%	8	27%	8	27%	18	28%	15	23%
6 and above	2	25%	1	13%	4	36%	0	0%	6	32%	1	5%
No Resp.	3	43%	0	0%	2	40%	0	0%	5	42%	0	0%
Total	296	31%	155	16%	290	30%	151	16%	586	31%	306	16%

Table 3.13 Average WAZ scores based on number of children a mother has

No. of Children	FW		NFW		ALL	
	n	Mean	n	Mean	n	Mean
1	300	-1.82	300	-1.78	600	-1.80
2	312	-1.85	337	-1.77	649	-1.81
3	225	-2.01	216	-1.73	441	-1.87
4	71	-1.93	60	-1.74	131	-1.84
5	35	-1.90	30	-2.08	65	-1.98
6 and above	8	-1.21	11	-1.81	19	-1.56
No Resp	7	-1.04	5	-1.68	12	-1.31
Total	958	-1.88	959	-1.77	1917	-1.82

Figure 3.12 Average WAZ score based on number of children a mother has



Height for Age Z-Scores (HAZ)

Table 3.14 Percentage distribution of HAZ by age of child-FW hamlets

Age groups	Moderate		Severe		Total			
	(-2SD to -3SD)		(<-3SD)		Count	%	Mean	SD
	Count	%	Count	%				
(0-6)	47	19%	32	13%	249	100%	-1.08	1.85
(7-12)	35	17%	32	16%	206	100%	-1.04	2.13
(13-18)	58	26%	44	20%	226	100%	-1.55	1.88
(19-24)	47	24%	48	24%	200	100%	-1.86	1.78
(25-36)	107	29%	91	25%	369	100%	-2.12	1.35
(>36)	4	21%	12	63%	19	100%	-3.15	1.37
Total (0-36)	298	24%	259	20%	1269	100%	-1.61	1.82

Figure 3.13 Distribution of HAZ against WHO standards in FW hamlets

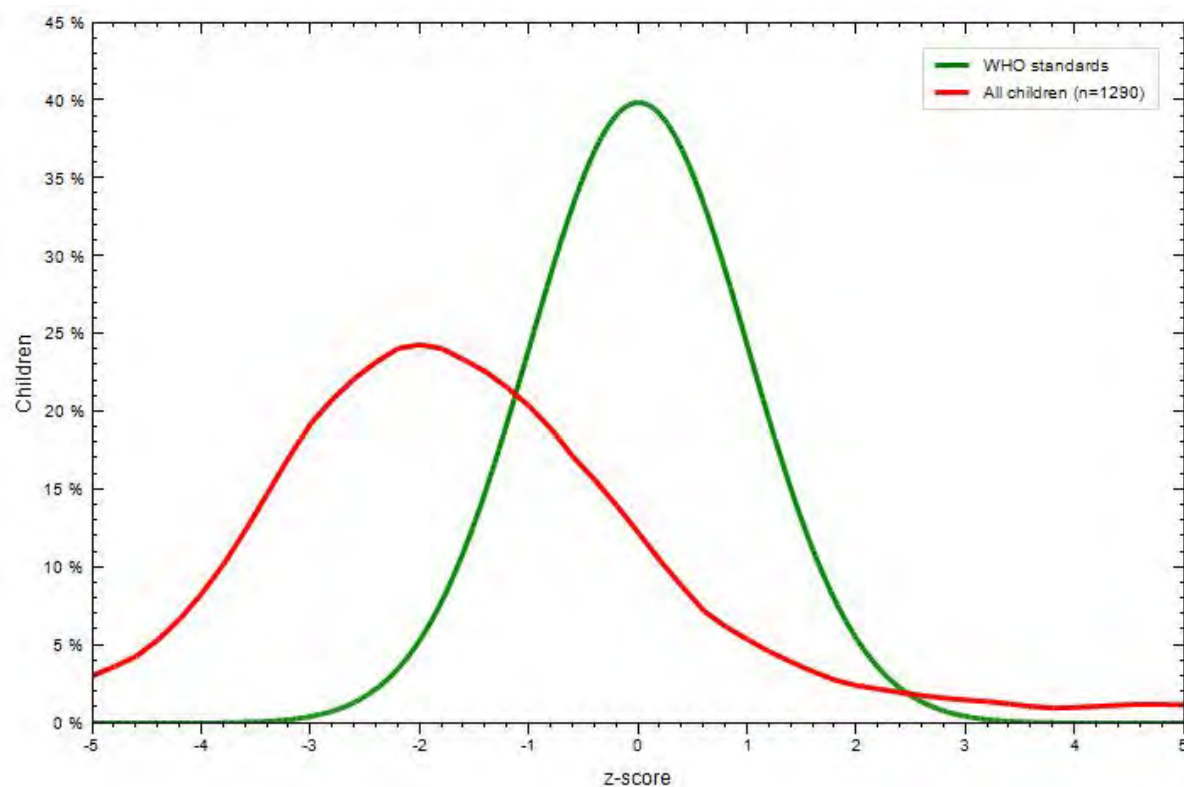


Table 3.15 Percentage distribution of HAZ by age of child-NFW hamlets

Age groups	Moderate		Severe		Total			
	(-2SD to -3SD)		(<-3SD)					
	Count	%	Count	%	Count	%	Mean	SD
(0-6)	32	15%	22	10%	220	100%	-1.04	1.59
(7-12)	41	24%	31	18%	173	100%	-1.41	1.93
(13-18)	58	24%	46	19%	246	100%	-1.52	1.93
(19-24)	38	22%	46	26%	176	100%	-1.87	1.72
(25-36)	81	29%	66	24%	278	100%	-2.02	1.37
(>36)	9	45%	8	40%	20	100%	-2.97	1.32
Total (0-36)	259	23%	219	20%	1113	100%	-1.62	1.74

Figure 3.14 Distribution of HAZ against WHO standards in NFW hamlets

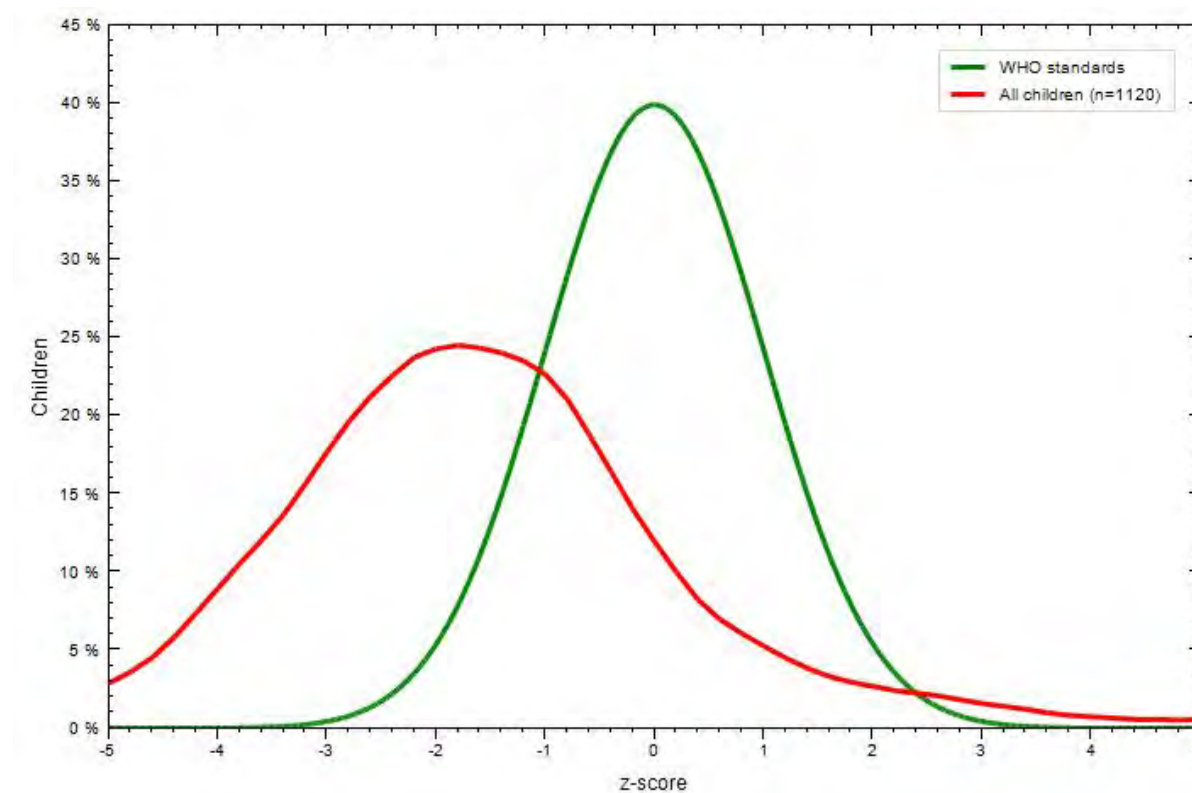


Table 3.16 Percentage distribution of HAZ by age of child-overall

Age groups	Moderate		Severe		Total			
	(-2SD to -3SD)		(<-3SD)		Count	%	Mean	SD
	Count	%	Count	%				
(0-6)	79	17%	54	12%	469	100%	-1.06	1.73
(7-12)	76	20%	63	17%	379	100%	-1.21	2.05
(13-18)	116	25%	90	19%	472	100%	-1.53	1.9
(19-24)	85	23%	94	25%	376	100%	-1.86	1.75
(25-36)	188	29%	157	24%	647	100%	-2.08	1.36
(>36)	13	33%	20	51%	39	100%	-3.05	1.33
Total (0-36)	557	23%	478	20%	2382	100%	-1.61	1.78

Figure 3.15 Overall distribution of HAZ against WHO standards

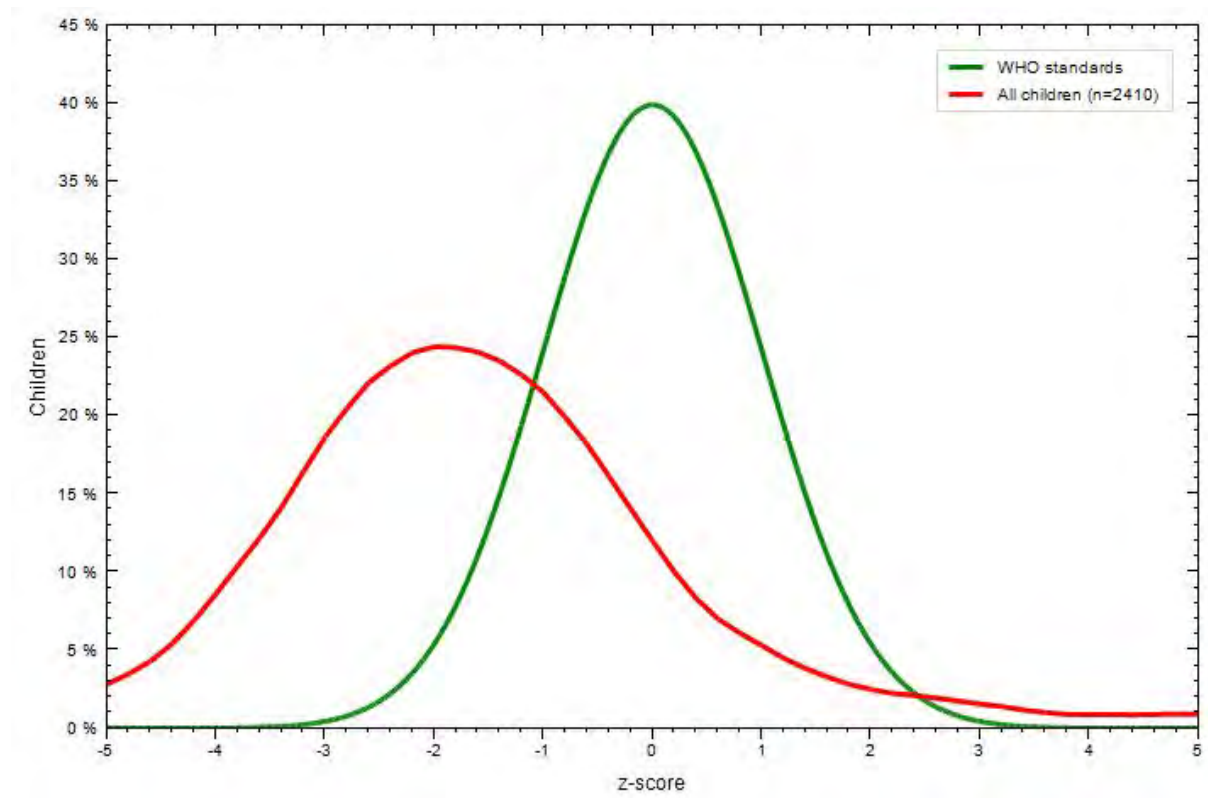


Figure 3.16 Average HAZ scores based on age groups

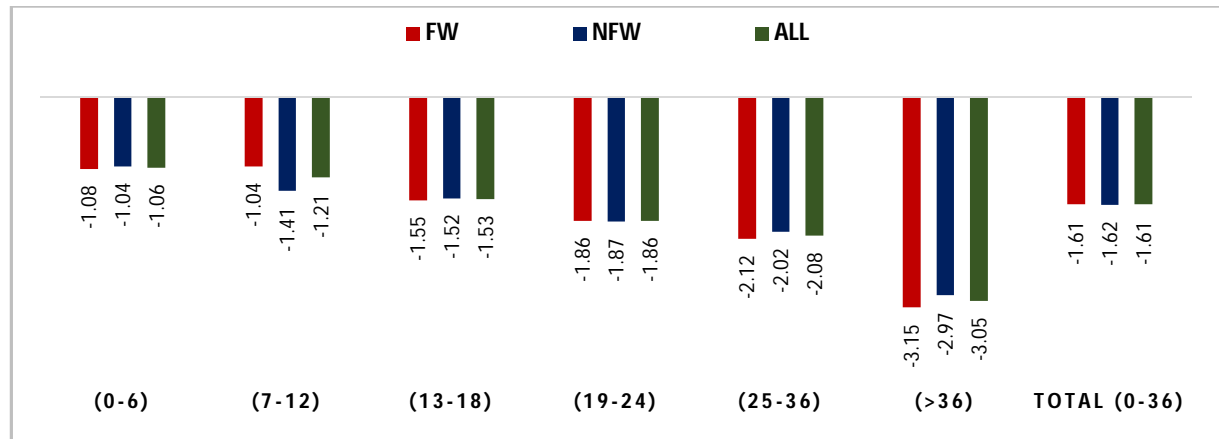


Table 3.17 Percentage distribution of HAZ by sex of child

Gender	FW				NFW				ALL			
	Moderate		Severe		Moderate		Severe		Moderate		Severe	
	(-2SD to -3SD)		(<-3SD)		(-2SD to -3SD)		(<-3SD)		(-2SD to -3SD)		(<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Female	148	23%	110	17%	126	22%	98	17%	274	23%	208	17%
Male	150	24%	149	24%	133	25%	121	23%	283	24%	270	23%
Total	298	24%	259	20%	259	23%	219	20%	557	23%	478	20%

Table 3.18 Average HAZ scores based on sex of child

	FW			NFW			ALL		
	n	Mean	SD	n	Mean	SD	n	Mean	SD
Female	642	-1.45	1.85	578	-1.52	1.69	1220	-1.48	1.78
Male	627	-1.77	1.78	535	-1.72	1.78	1162	-1.75	1.78
Total	1269	-1.61	1.82	1113	-1.62	1.74	2382	-1.61	1.78

Figure 3.17 Average HAZ scores based on sex of child

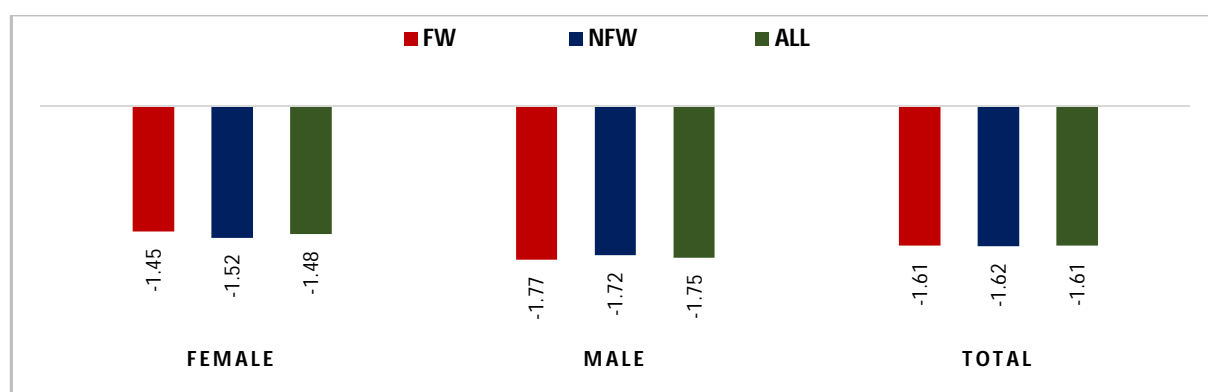


Figure 3.18 Sex wise distribution of HAZ against WHO standards for all hamlets

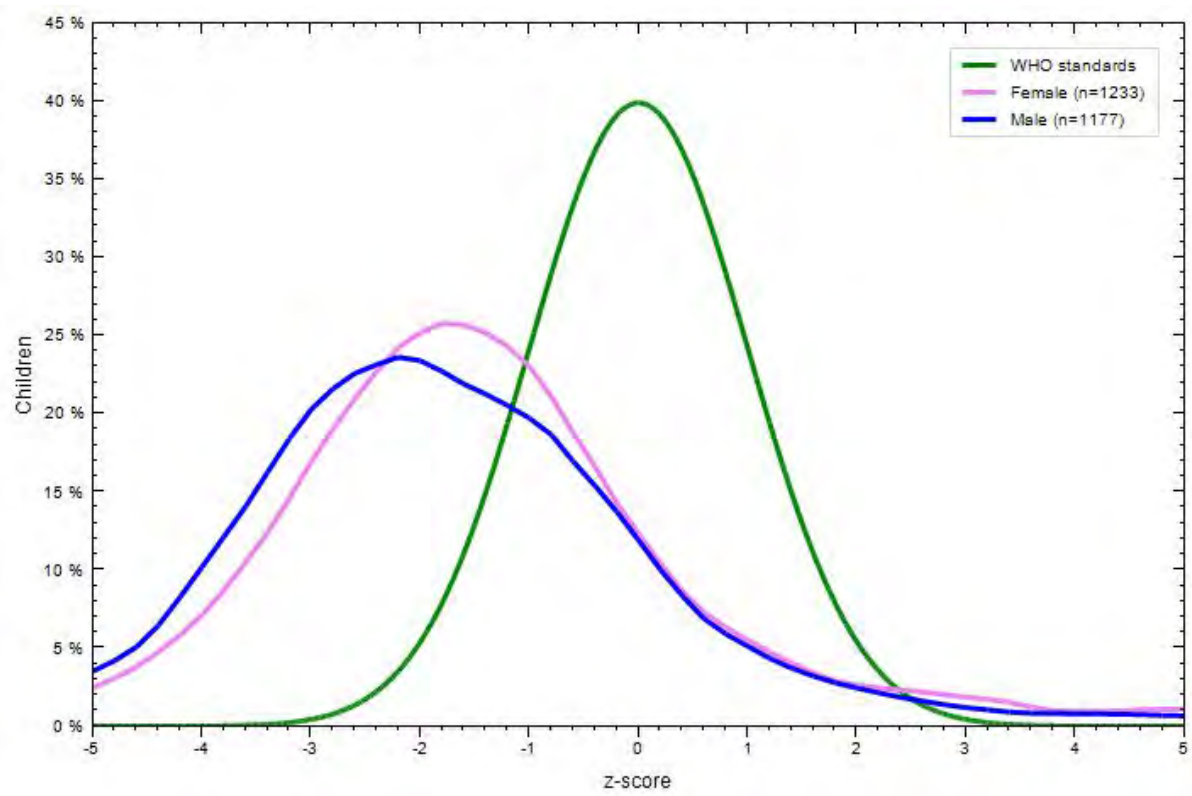


Figure 3.19 Sex wise distribution of HAZ against WHO standards - FW hamlets

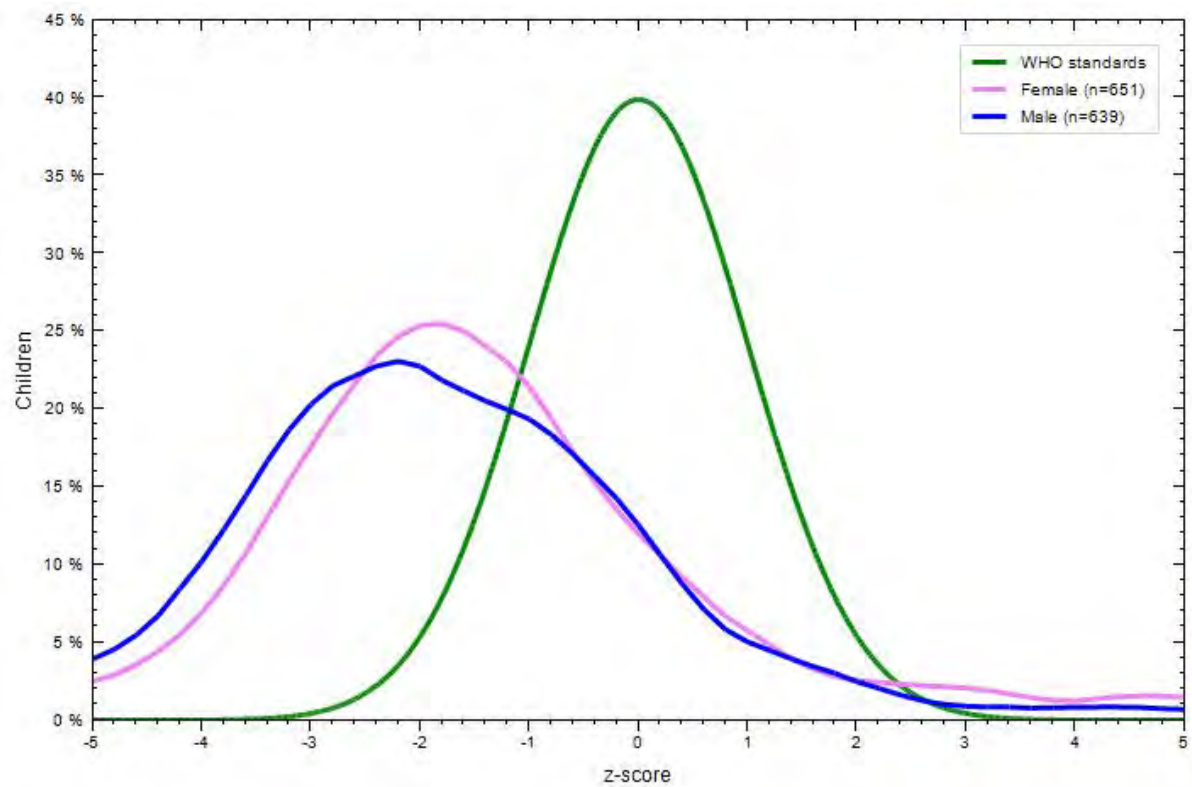


Figure 3.20 Sex wise distribution of HAZ against WHO standards - NFW hamlets

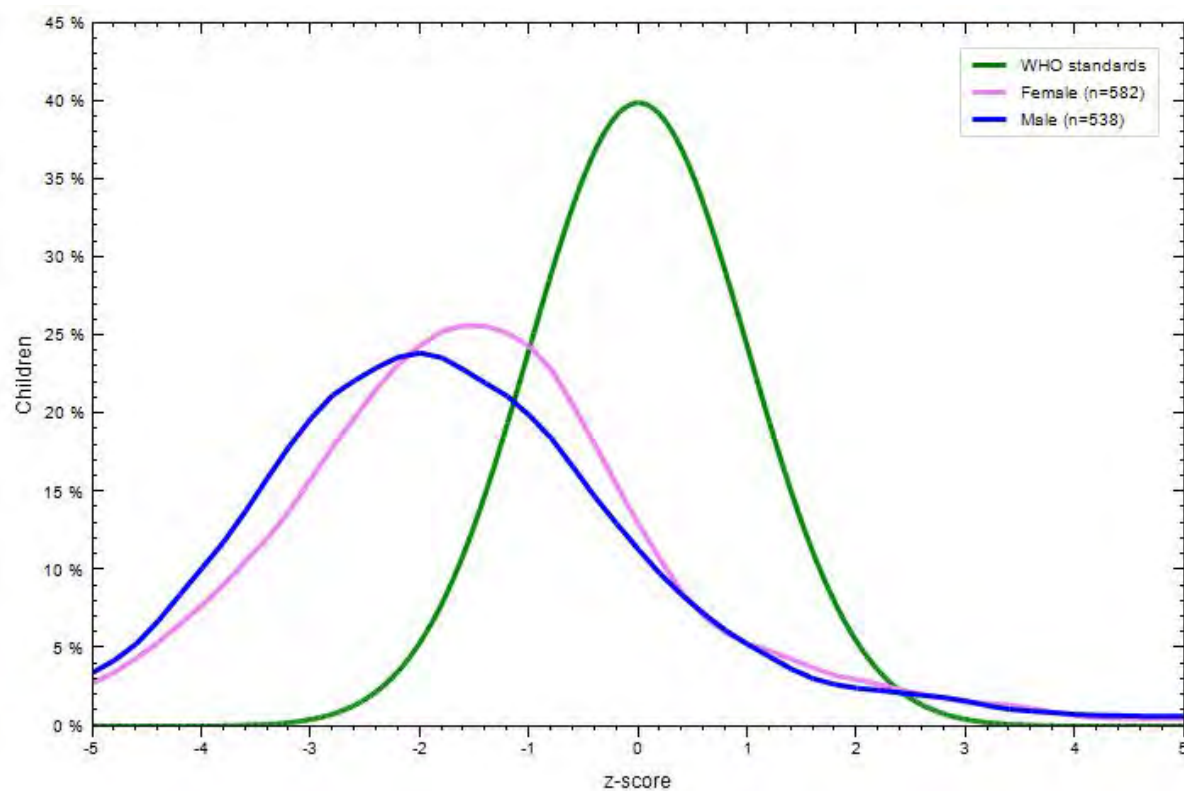


Table 3.19 Percentage distribution of HAZ by caste

	FW				NFW				ALL			
	Moderate		Severe		Moderate		Severe		Moderate		Severe	
	(-2SD to -3SD)		(<-3SD)		(-2SD to -3SD)		(<-3SD)		(-2SD to -3SD)		(<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
ST	209	24%	204	23%	183	25%	151	20%	392	24%	355	22%
SC	10	22%	7	15%	6	11%	6	11%	16	16%	13	13%
OBC	51	21%	36	15%	53	23%	44	19%	104	22%	80	17%
General	24	31%	7	9%	15	21%	11	16%	39	26%	18	12%
No Rep.	4	25%	5	31%	2	13%	7	44%	6	19%	12	38%
Total	298	24%	259	20%	259	23%	219	20%	557	23%	478	20%

Table 3.20 Average HAZ scores based on caste

	FW			NFW			ALL		
	n	Mean	SD	n	Mean	SD	n	Mean	SD
ST	889	-1.7	1.84	739	-1.65	1.74	1628	-1.68	1.8
SC	46	-1.11	1.88	57	-1.19	1.53	103	-1.15	1.69
OBC	240	-1.4	1.72	230	-1.59	1.75	470	-1.5	1.74
General	78	-1.35	1.56	71	-1.48	1.64	149	-1.41	1.6
No Rep.	16	-2.3	2.52	16	-2.52	2.14	32	-2.41	2.3
Total	1269	-1.61	1.82	1113	-1.62	1.74	2382	-1.61	1.78

Figure 3.21 Average HAZ score based on caste

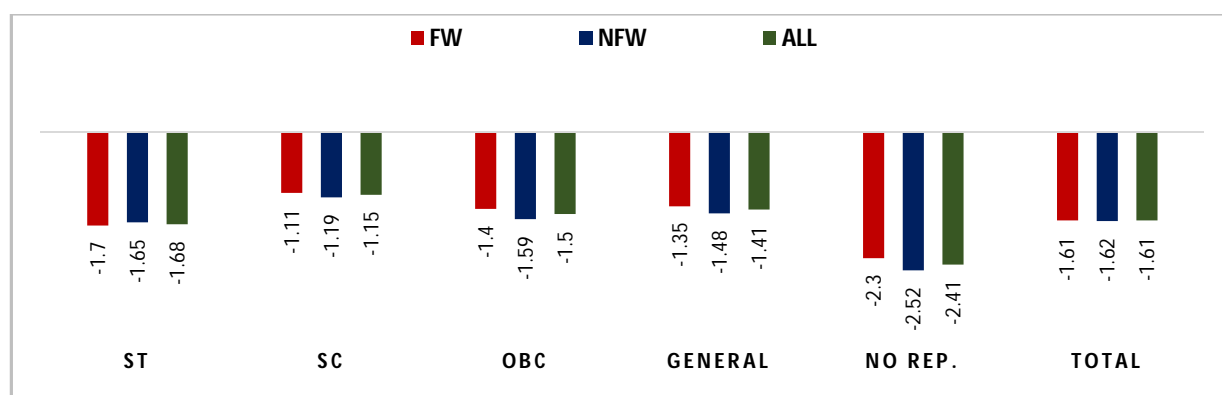


Table 3.21 Percentage distribution of HAZ by mother's age

Mother's Age	FW				NFW				ALL			
	Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
<20 Yrs	0	0%	1	50%	0	0%	0	0%	0	0%	1	50%
20-25 Yrs	44	27%	26	16%	45	31%	31	21%	89	29%	57	18%
26-30 Yrs	25	24%	25	24%	28	21%	27	20%	53	22%	52	22%
>30 Yrs	9	18%	13	26%	11	22%	9	18%	20	20%	22	22%
No Resp.	1	33%	0	0%	1	100%	0	0%	2	50%	0	0%
Total	79	24%	65	20%	85	26%	67	20%	164	25%	132	20%

Table 3.22 Average HAZ scores based on mother's age

Mother's Age	FW		NFW		ALL	
	n	Mean	n	Mean	n	Mean
<20 Yrs	2	-1.79	0		2	-1.79
20-25 Yrs	166	-1.49	146	-1.91	312	-1.69
26-30 Yrs	104	-1.84	133	-1.76	237	-1.80
>30 Yrs	50	-1.72	50	-1.48	100	-1.60
No Resp.	3	-1.55	1	-2.35	4	-1.75
Total	325	-1.64	330	-1.79	655	-1.71

Figure 3.22 Average HAZ score based on mother's age

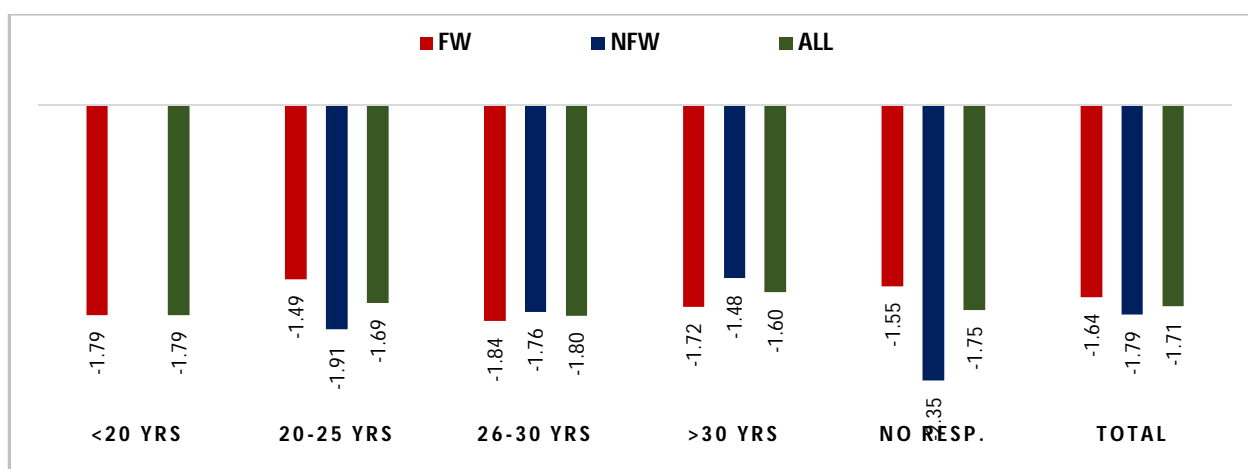


Table 3.23 Percentage distribution of HAZ by mother's education

No. of years of mother's education	FW				NFW				ALL			
	Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Illiterate	25	20%	29	23%	38	26%	30	21%	63	23%	59	22%
1-4 Years	5	22%	3	13%	7	24%	7	24%	12	23%	10	19%
5-7 Years	21	27%	17	22%	14	27%	10	19%	35	27%	27	21%
8-9 Years	19	31%	10	16%	15	22%	18	27%	34	26%	28	22%
10-11 Years	6	25%	3	13%	6	26%	0	0%	12	26%	3	6%
>=12 Years	3	27%	3	27%	5	36%	2	14%	8	32%	5	20%
Total	79	24%	65	20%	85	26%	67	20%	164	25%	132	20%

Table 3.24 Average HAZ scores based on mother's education

No. of years of mother's education	FW		NFW		ALL	
	n	Mean	n	Mean	n	Mean
Illiterate	128	-1.74	145	-1.72	273	-1.73
1-4 Years	23	-1.49	29	-1.98	52	-1.77
5-7 Years	77	-1.85	52	-1.77	129	-1.82
8-9 Years	62	-1.45	67	-2.12	129	-1.80
10-11 Years	24	-1.09	23	-1.10	47	-1.09
>=12Years	11	-1.60	14	-1.70	25	-1.65
Total	325	-1.64	330	-1.79	655	-1.71

Figure 3.23 Average HAZ scores based on mother's education

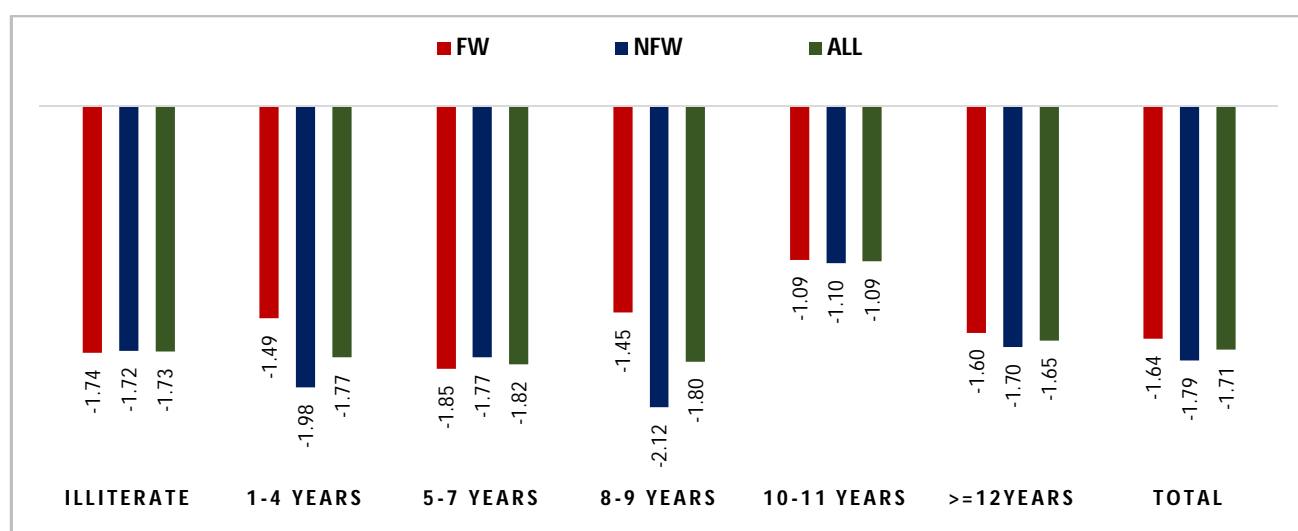


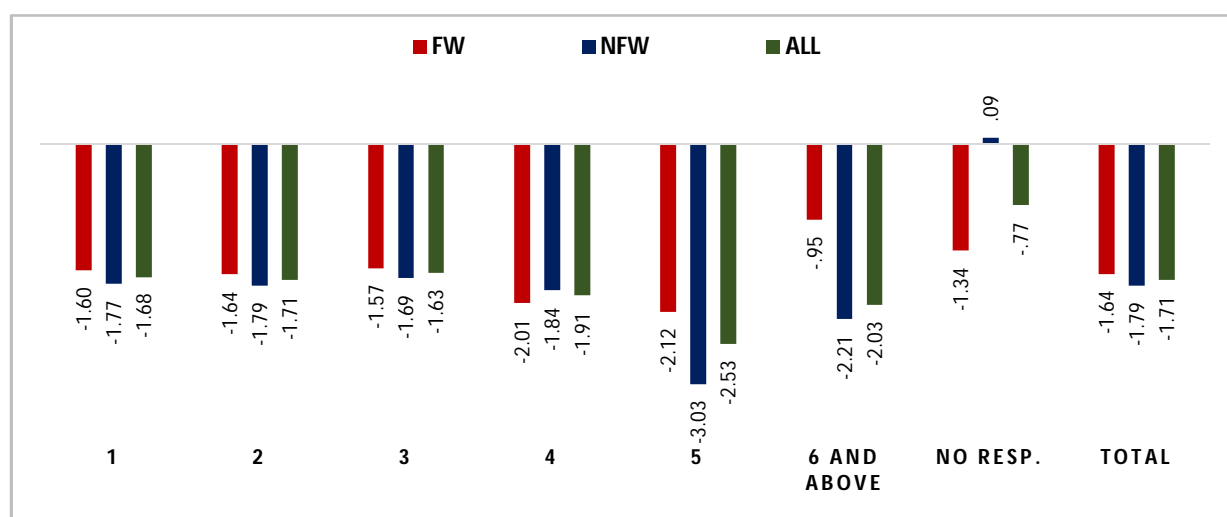
Table 3.25 Percentage distribution of HAZ by number of children a mother has

No. of Children	FW				NFW				ALL			
	Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1	33	31%	16	15%	28	27%	20	19%	61	29%	36	17%
2	23	21%	27	25%	25	23%	24	22%	48	22%	51	24%
3	18	24%	15	20%	18	23%	14	18%	36	24%	29	19%
4	5	28%	4	22%	11	44%	3	12%	16	37%	7	16%
5	0	0%	3	30%	2	25%	4	50%	2	11%	7	39%
6 and above	0	0%	0	0%	1	17%	2	33%	1	14%	2	29%
No Resp.	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Total	79	24%	65	20%	85	26%	67	20%	164	25%	132	20%

Table 3.26 Average HAZ scores based on number of children a mother has

No. of Children	FW		NFW		ALL	
	n	Mean	n	Mean	n	Mean
1	108	-1.60	104	-1.77	212	-1.68
2	110	-1.64	107	-1.79	217	-1.71
3	75	-1.57	78	-1.69	153	-1.63
4	18	-2.01	25	-1.84	43	-1.91
5	10	-2.12	8	-3.03	18	-2.53
6 and above	1	-.95	6	-2.21	7	-2.03
No Resp.	3	-1.34	2	.09	5	-.77
Total	325	-1.64	330	-1.79	655	-1.71

Figure 3.24 Average HAZ scores based on number of children a mother has



Weight for Height Z-Scores (WHZ)

Table 3.27 Percentage distribution of WHZ by age of child-FW hamlets

Age groups	Moderate		Severe		Total			
	(-2SD to -3SD)		(<-3SD)		Count	%	Mean	SD
	Count	%	Count	%				
(0-6)	33	13%	26	10%	264	100%	-0.89	1.74
(7-12)	35	16%	21	10%	219	100%	-1.21	1.56
(13-18)	40	17%	24	10%	232	100%	-1.34	1.24
(19-24)	44	21%	25	12%	210	100%	-1.39	1.47
(25-36)	75	20%	40	11%	371	100%	-1.44	1.3
(>36)	7	33%	1	5%	21	100%	-1.4	1.2
Total (0-36)	234	18%	137	10%	1317	100%	-1.27	1.47

Figure 3.25 Distribution of WHZ against WHO standards in FW hamlets

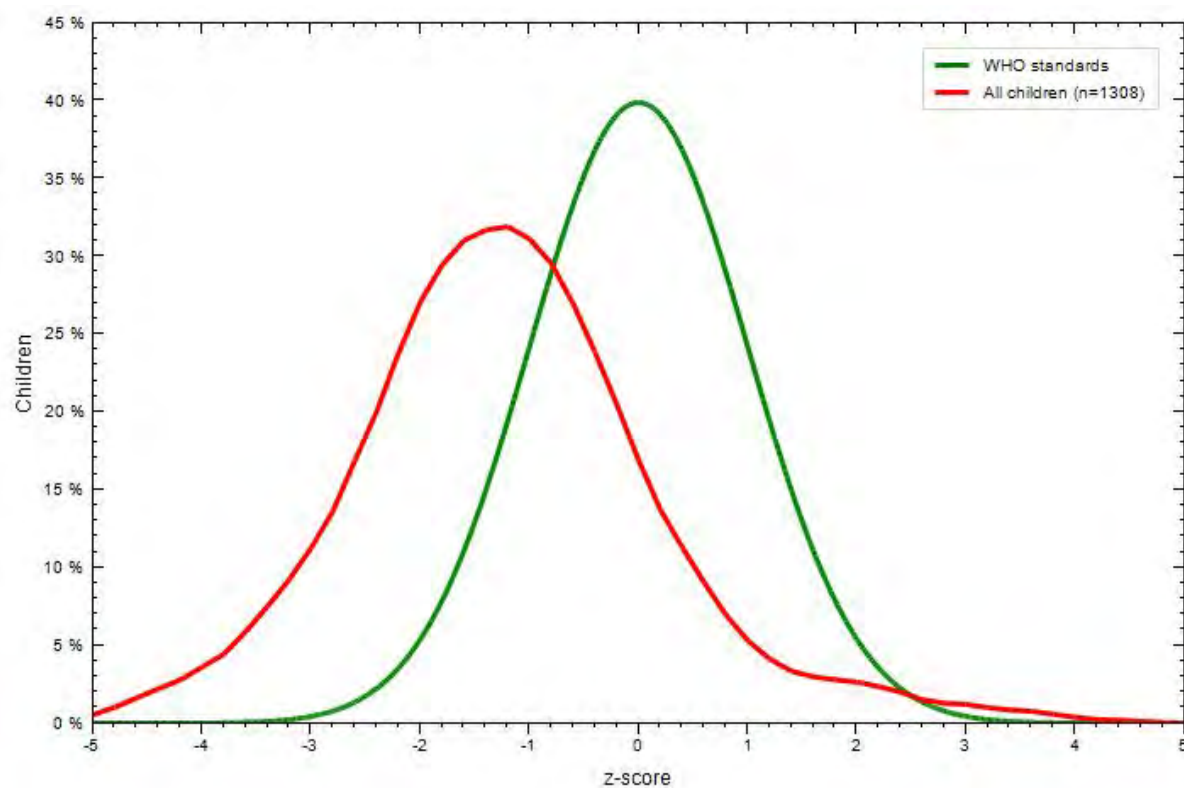


Table 3.28 Percentage distribution of WHZ by age of child-NFW hamlets

Age groups	Moderate		Severe		Total			
	(-2SD to -3SD)		(<-3SD)					
	Count	%	Count	%	Count	%	Mean	SD
(0-6)	24	11%	22	10%	229	100%	-0.84	1.69
(7-12)	21	12%	16	9%	178	100%	-0.97	1.45
(13-18)	54	22%	20	8%	247	100%	-1.3	1.35
(19-24)	32	18%	14	8%	177	100%	-1.27	1.24
(25-36)	44	16%	20	7%	279	100%	-1.25	1.15
(>36)	4	17%	1	4%	24	100%	-0.84	1.33
Total (0-36)	179	16%	93	8%	1134	100%	-1.13	1.39

Figure 3.26 Distribution of WHZ against WHO standards in NFW hamlets

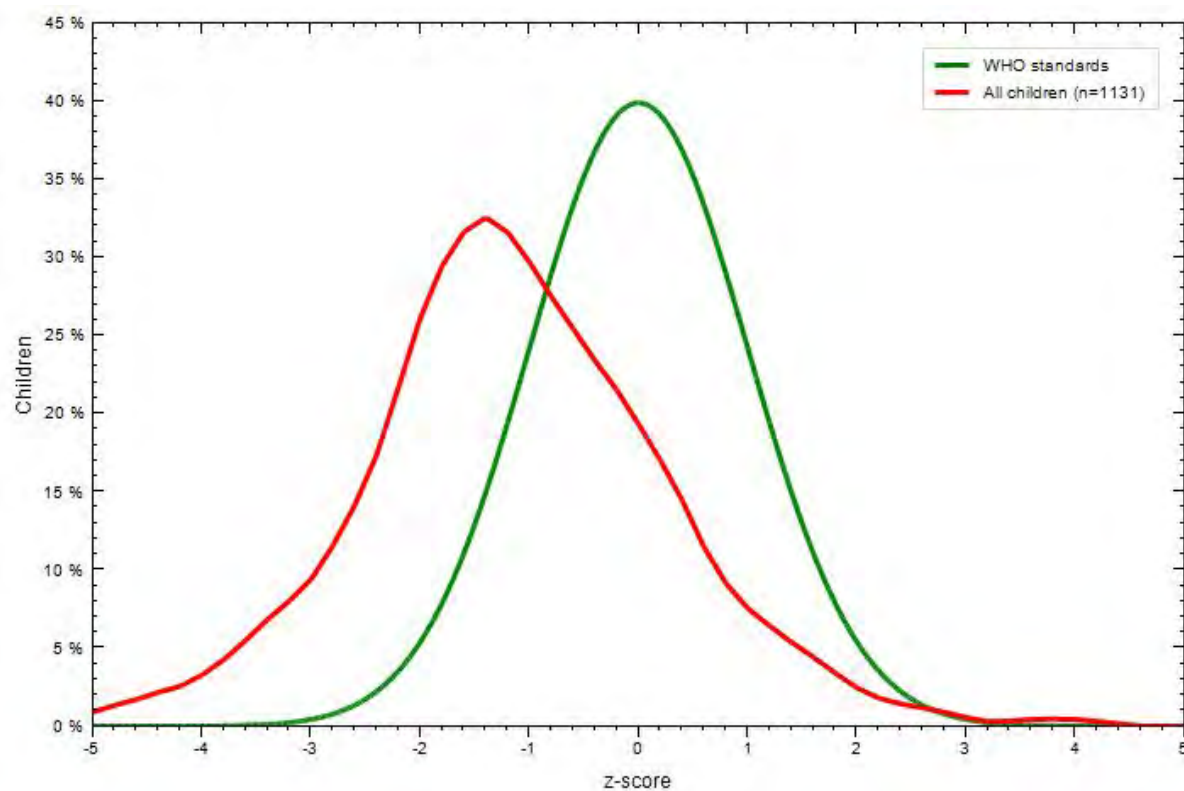


Table 3.29 Percentage distribution of WHZ by age of child-overall

Age groups	Moderate		Severe		Total			
	(-2SD to -3SD)		(<-3SD)					
	Count	%	Count	%	Count	%	Mean	SD
(0-6)	57	12%	48	10%	493	100%	-0.86	1.72
(7-12)	56	14%	37	9%	397	100%	-1.1	1.51
(13-18)	94	20%	44	9%	479	100%	-1.32	1.29
(19-24)	76	20%	39	10%	387	100%	-1.34	1.37
(25-36)	119	18%	60	9%	650	100%	-1.36	1.24
(>36)	11	24%	2	4%	45	100%	-1.1	1.28
Total (0-36)	413	17%	230	9%	2451	100%	-1.2	1.44

Figure 3.27 Overall distribution of WHZ against WHO standards

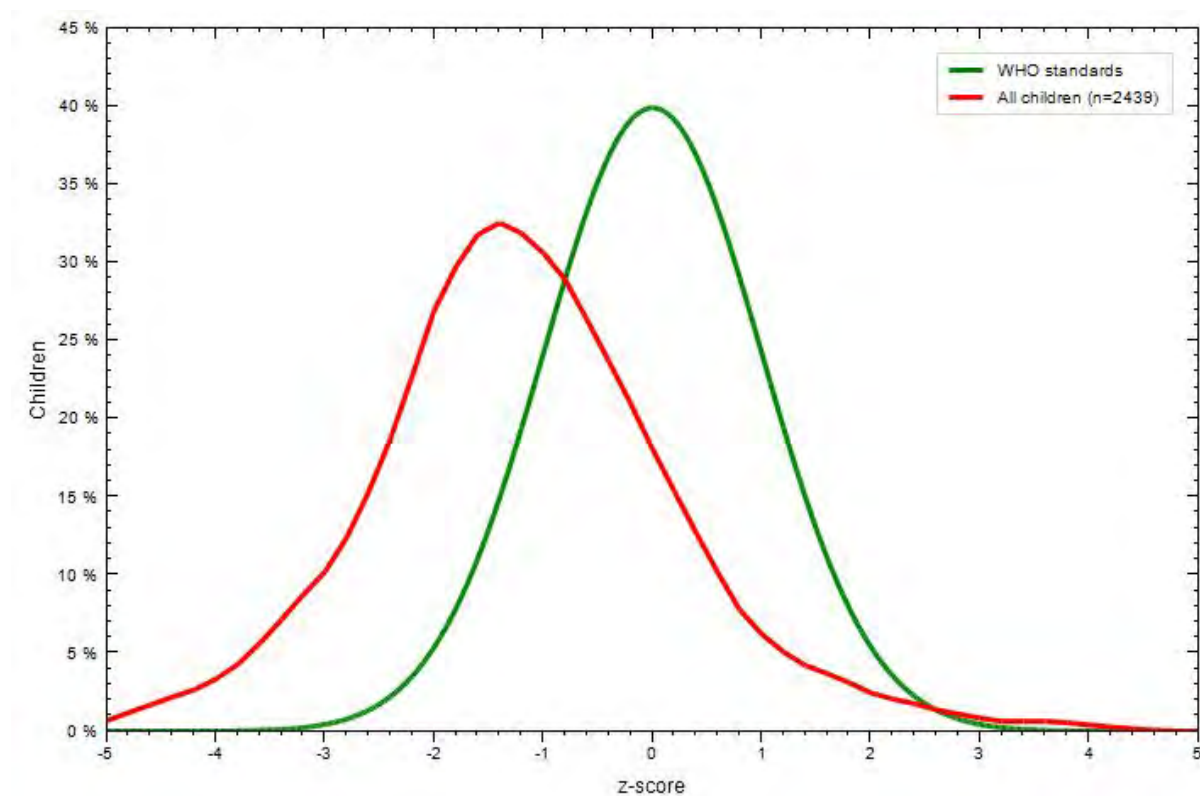


Figure 3.28 Average WHZ scores based on age groups

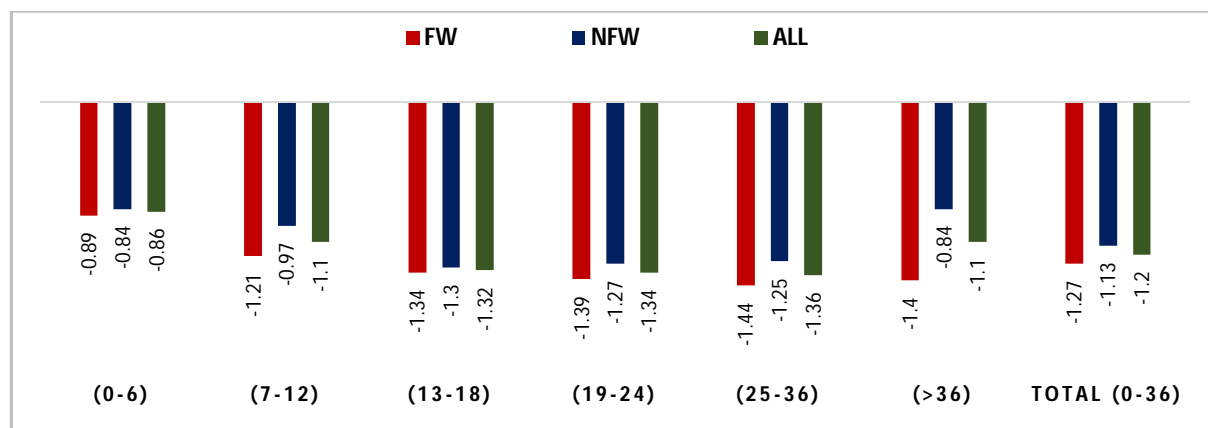


Table 3.30 Percentage distribution of WHZ by sex of child

Gender	FW				NFW				ALL			
	Moderate		Severe		Moderate		Severe		Moderate		Severe	
	(-2SD to -3SD)		(<-3SD)		(-2SD to -3SD)		(<-3SD)		(-2SD to -3SD)		(<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Female	122	18%	54	8%	96	16%	46	8%	218	18%	100	8%
Male	112	17%	83	13%	83	15%	47	9%	195	16%	130	11%
Total	234	18%	137	10%	179	16%	93	8%	413	17%	230	9%

Table 3.31 Average WHZ scores based on sex of child

Gender	FW			NFW			ALL		
	n	Mean	SD	n	Mean	SD	n	Mean	SD
Female	665	-1.23	1.42	584	-1.17	1.32	1249	-1.2	1.37
Male	652	-1.3	1.53	550	-1.09	1.46	1202	-1.2	1.5
Total	1317	-1.27	1.47	1134	-1.13	1.39	2451	-1.2	1.44

Figure 3.29 Average WHZ scores based on sex of child

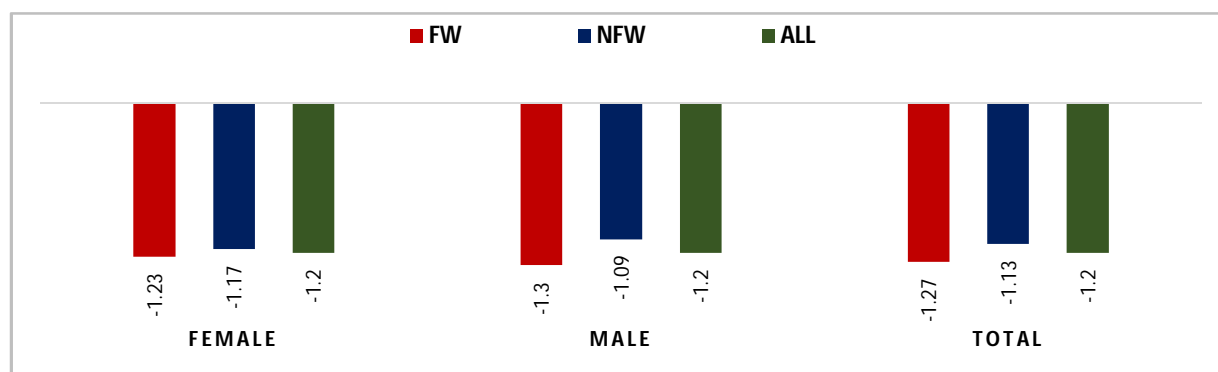


Figure 3.30 Sex wise distribution of WHZ scores against WHO standards- Overall

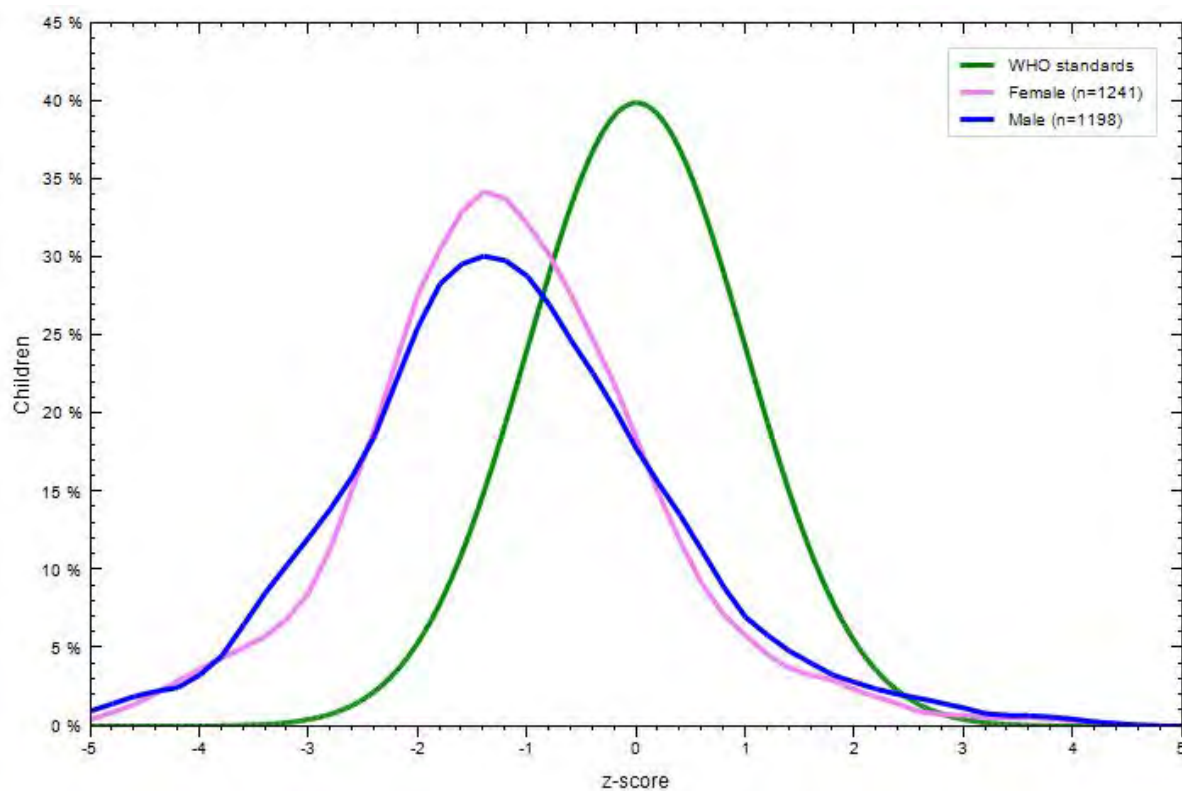


Figure 3.31 Sex wise distribution of WHZ against WHO standards - FW hamlets

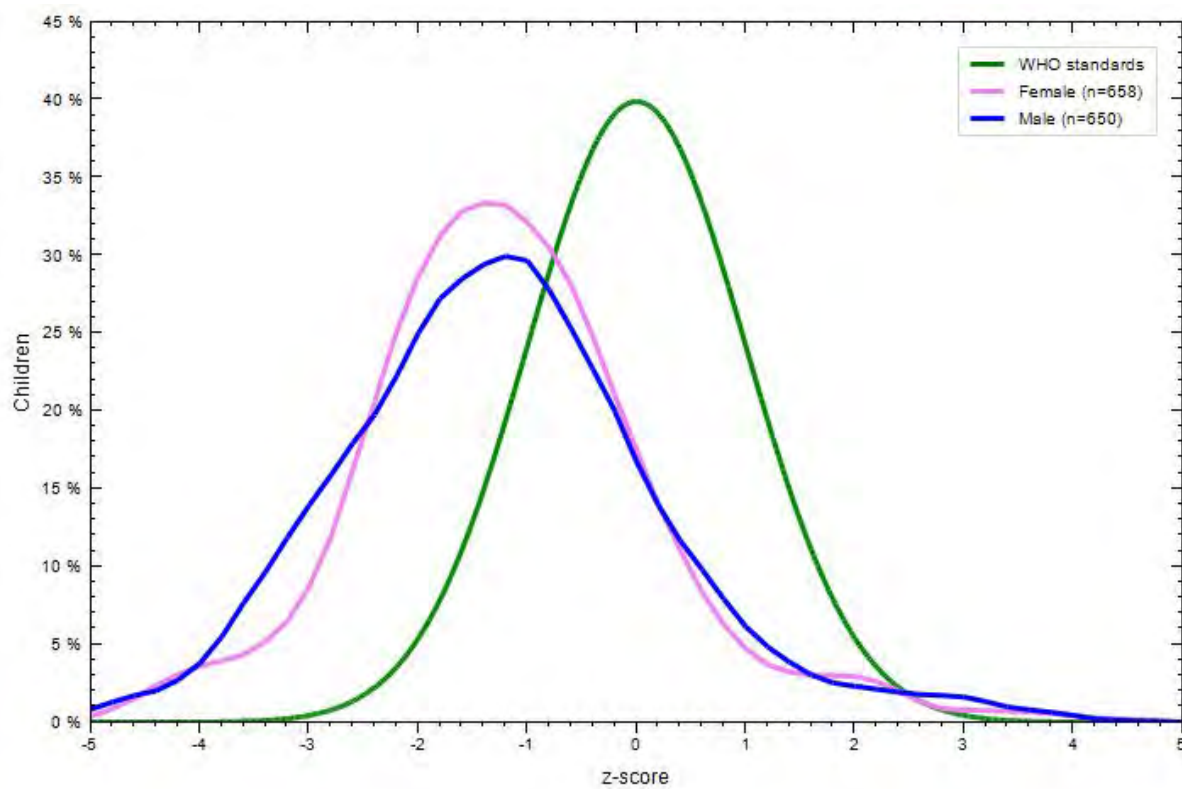


Figure 3.32 Sex wise distribution of WHZ against WHO standards - NFW hamlets

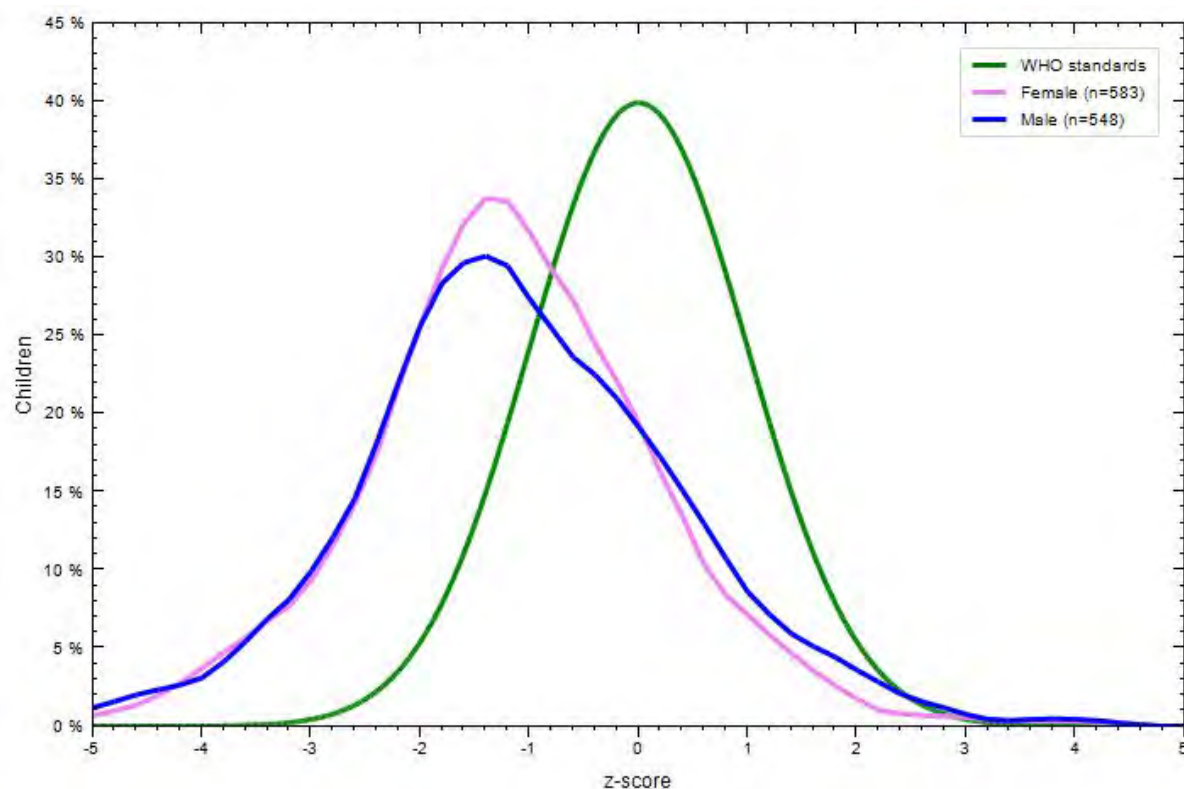


Table 3.32 Percentage distribution of WHZ by caste

Caste	FW				NFW				ALL			
	Moderate		Severe		Moderate		Severe		Moderate		Severe	
	(-2SD to -3SD)		(<-3SD)		(-2SD to -3SD)		(<-3SD)		(-2SD to -3SD)		(<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
ST	170	18%	97	11%	116	15%	63	8%	286	17%	160	10%
SC	5	11%	8	18%	9	16%	5	9%	14	14%	13	13%
OBC	43	18%	22	9%	42	18%	17	7%	85	18%	39	8%
General	14	17%	6	7%	10	14%	7	10%	24	16%	13	8%
No Rep.	2	13%	4	27%	2	11%	1	6%	4	12%	5	15%
Total	234	18%	137	10%	179	16%	93	8%	413	17%	230	9%

Table 3.33 Average WHZ score based on caste

Gender	FW			NFW			ALL		
	n	Mean	SD	n	Mean	SD	n	Mean	SD
ST	928	-1.26	1.49	752	-1.18	1.36	1680	-1.23	1.44
SC	45	-1.58	1.47	58	-1.08	1.43	103	-1.3	1.46
OBC	246	-1.29	1.29	234	-1.07	1.38	480	-1.18	1.34
General	83	-1.08	1.43	72	-1.02	1.49	155	-1.05	1.45
No Rep.	15	-1.08	2.82	18	-0.29	1.84	33	-0.65	2.33
Total	1317	-1.27	1.47	1134	-1.13	1.39	2451	-1.2	1.44

Figure 3.33 Average WHZ scores based on caste

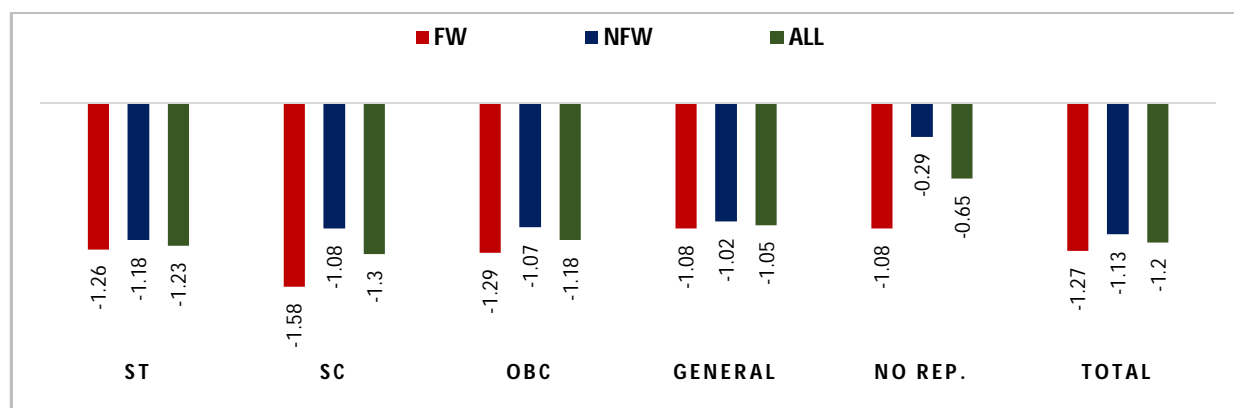


Table 3.34 Percentage distribution of WHZ by mother's age

Mother's Age	FW				NFW				ALL			
	Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
<20 Yrs	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
20-25 Yrs	27	16%	13	8%	23	15%	11	7%	50	16%	24	8%
26-30 Yrs	17	16%	10	9%	24	18%	11	8%	41	17%	21	9%
>30 Yrs	6	12%	6	12%	6	13%	6	13%	12	12%	12	12%
No Resp.	0	0%	1	33%	1	100%	0	0%	1	25%	1	25%
Total	50	15%	30	9%	54	16%	28	8%	104	16%	58	9%

Table 3.35 Average WHZ scores based on mother's age

Mother's Age	FW		NFW		ALL	
	n	Mean	n	Mean	n	Mean
<20 Yrs	2	-0.31	0		2	-0.31
20-25 Yrs	165	-1.35	153	-1.15	318	-1.26
26-30 Yrs	108	-1.20	137	-1.25	245	-1.23
>30 Yrs	52	-1.42	48	-1.17	100	-1.30
No Resp.	3	-1.77	1	-2.74	4	-2.02
Total	330	-1.31	339	-1.20	669	-1.25

Figure 3.34 Average WHZ scores based on mother's age

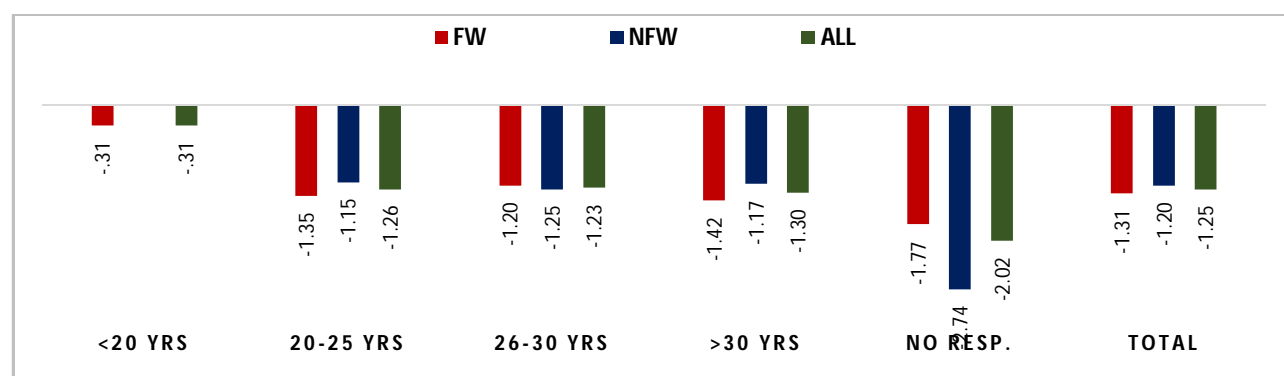


Table 3.36 Percentage distribution of WHZ by mother's education

No. of years of mother's education	FW				NFW				ALL			
	Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Illiterate	14	11%	19	14%	22	15%	15	10%	36	13%	34	12%
1-4 Years	4	17%	1	4%	6	21%	1	4%	10	20%	2	4%
5-7 Years	15	19%	3	4%	9	17%	4	8%	24	18%	7	5%
8-9 Years	9	15%	6	10%	9	13%	5	7%	18	14%	11	8%
10-11 Years	6	25%	0	0%	3	12%	2	8%	9	18%	2	4%
>=12 Years	2	18%	1	9%	5	33%	1	7%	7	27%	2	8%
Total	50	15%	30	9%	54	16%	28	8%	104	16%	58	9%

Table 3.37 Average WHZ scores based on mother's education

No. of years of mother's education	FW		NFW		ALL	
	n	Mean	n	Mean	n	Mean
Illiterate	132	-1.39	147	-1.25	279	-1.32
1-4 Years	23	-1.40	28	-1.06	51	-1.21
5-7 Years	78	-1.21	53	-1.12	131	-1.18
8-9 Years	62	-1.32	70	-1.13	132	-1.22
10-11 Years	24	-0.96	26	-1.22	50	-1.09
>=12 Years	11	-1.58	15	-1.50	26	-1.53
Total	330	-1.31	339	-1.20	669	-1.25

Figure 3.35 Average WHZ scores based on mother's education

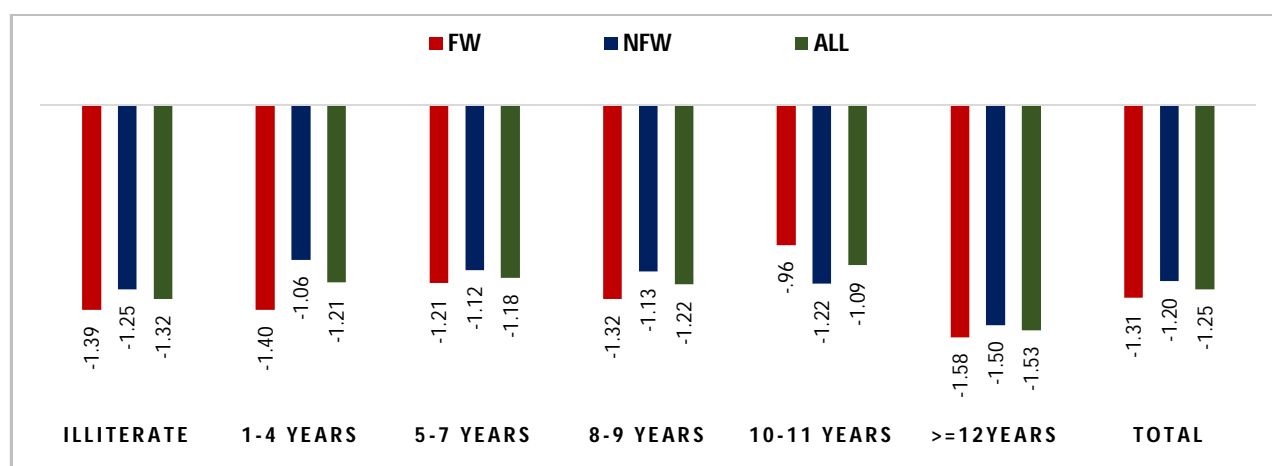


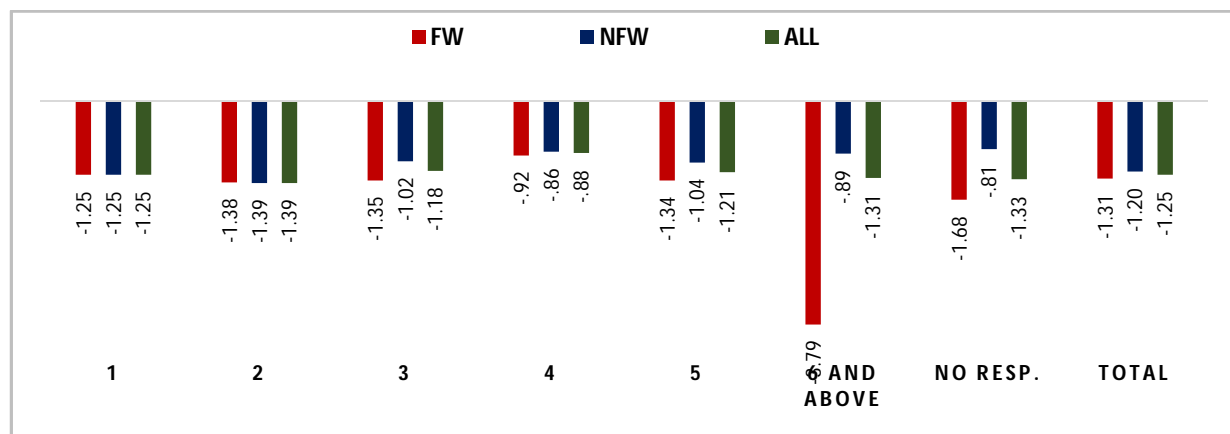
Table 3.38 Percentage distribution of WHZ by number of children a mother has

No. of Children	FW				NFW				ALL			
	Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)		Moderate (-2SD to -3SD)		Severe (<-3SD)	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1	21	19%	6	5%	22	20%	7	6%	43	19%	13	6%
2	17	16%	10	9%	15	14%	16	15%	32	15%	26	12%
3	7	9%	12	16%	12	15%	3	4%	19	12%	15	10%
4	2	11%	1	5%	4	16%	0	0%	6	14%	1	2%
5	2	20%	0	0%	0	0%	2	25%	2	11%	2	11%
6 and above	0	0%	1	100%	1	17%	0	0%	1	14%	1	14%
No Resp.	1	33%	0	0%	0	0%	0	0%	1	20%	0	0%
Total	50	15%	30	9%	54	16%	28	8%	104	16%	58	9%

Table 3.39 Average WHZ scores based on number of children a mother has

No. of Children	FW		NFW		ALL	
	n	Mean	n	Mean	n	Mean
1	111	-1.25	110	-1.25	221	-1.25
2	109	-1.38	110	-1.39	219	-1.39
3	77	-1.35	78	-1.02	155	-1.18
4	19	-.92	25	-.86	44	-.88
5	10	-1.34	8	-1.04	18	-1.21
6 and above	1	-3.79	6	-.89	7	-1.31
No Resp.	3	-1.68	2	-.81	5	-1.33
Total	330	-1.31	339	-1.20	669	-1.25

Figure 3.36 Average WHZ scores based on number of children a mother has



4. Health Practices

Table 4.1 Percentage distribution of substance used to wash hand

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Soap	842	84%	883	88%	1725	86%
Ash	131	13%	112	11%	243	12%
Others	98	10%	84	8%	182	9%

Figure 4.1 Percentage distribution of substance used to wash hand

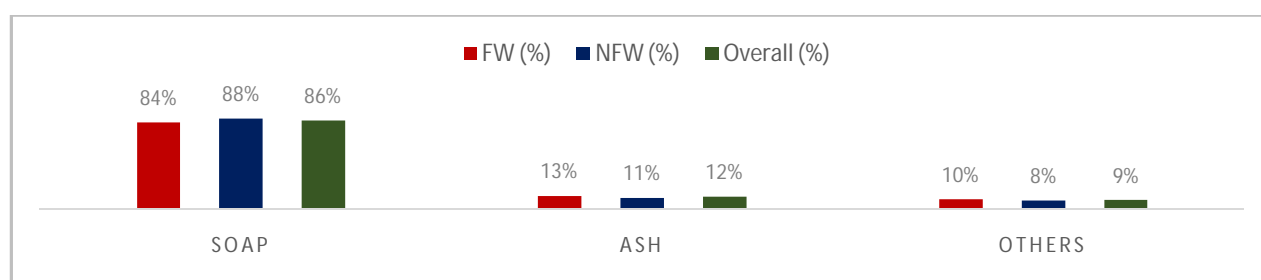


Table 4.2 Percentage distribution of instances of soap usage

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
After Toilet	840	84%	858	85%	1698	85%
Before eating food	458	46%	492	49%	950	47%
before making food	376	38%	430	43%	806	40%
before giving food to child	407	41%	446	44%	853	43%
After Child's toilet	684	68%	711	71%	1395	70%
Gobar / Mud	746	75%	748	74%	1494	74%
Othres	121	12%	101	10%	222	11%

Figure 4.2 Percentage distribution of instances of soap usage

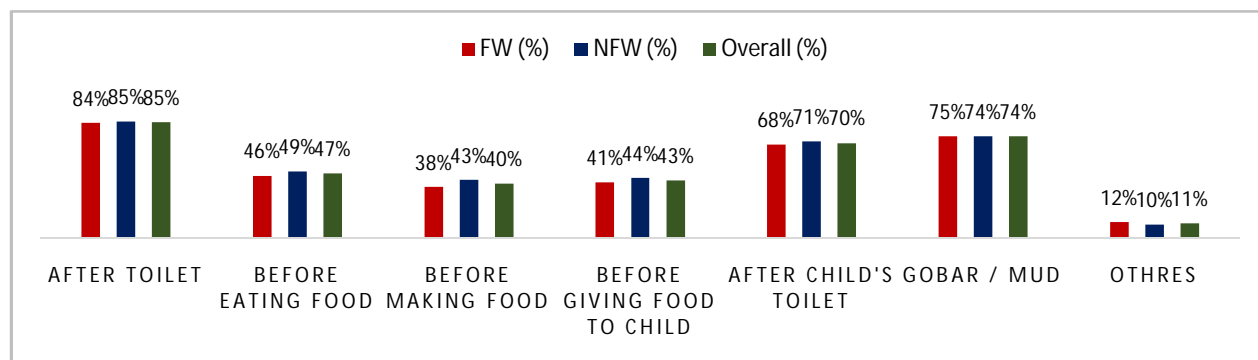


Table 4.3 Percentage distribution of whether weight of child was taken in the last month

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Yes	629	63%	597	59%	1226	61%
No	355	36%	392	39%	747	37%
Total	1000	100%	1007	100%	2007	100%

Figure 4.3 Percentage distribution of whether weight of child was taken in the last month

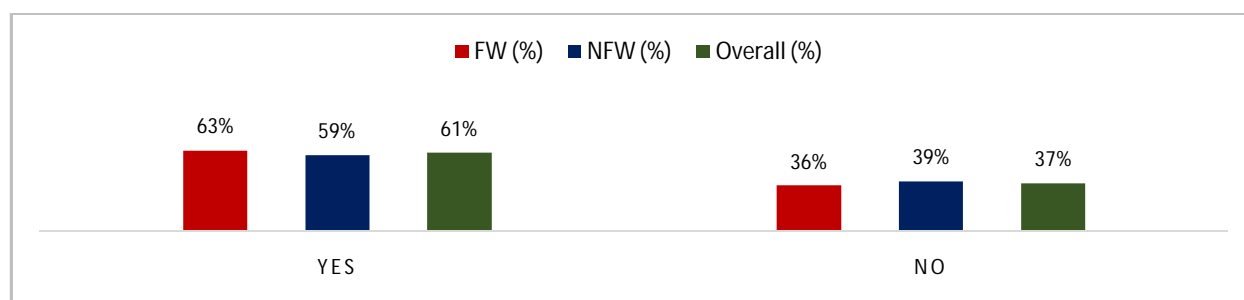


Table 4.4 Percentage distribution of person who weighed child in the last month

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Mitanin	304	30%	293	29%	597	30%
Mitanin Trainer	153	15%	128	13%	281	14%
AWW	473	47%	479	48%	952	47%
ANM	58	6%	51	5%	109	5%
Other Mother	30	3%	26	3%	56	3%
Others	20	2%	19	2%	39	2%

Figure 4.4 Percentage distribution of person who weighed child in the last month

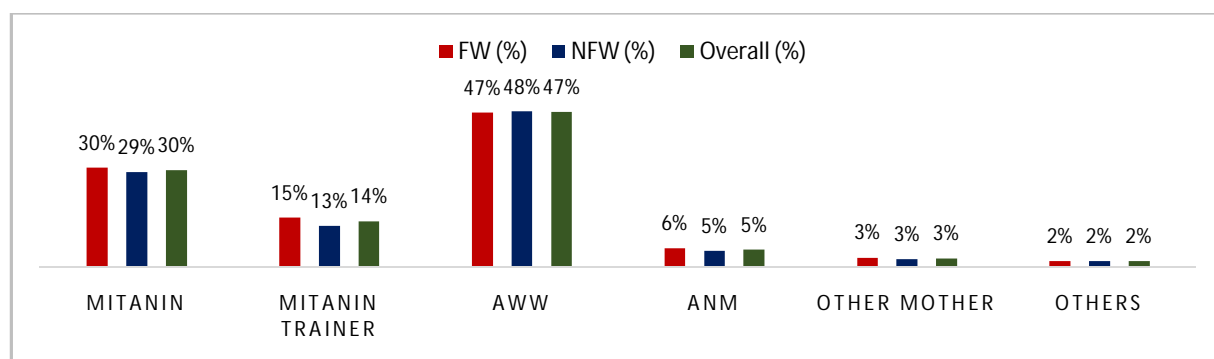


Table 4.5 Percentage distribution of whether information about nutritional status of child was communicated to parent

Category	FW	% FW	NFW	% NFW	All	% All
Yes	419	42%	406	40%	825	41%
No	243	24%	242	24%	485	24%
No Resp.	338	34%	359	36%	697	35%
Total	1000	100%	1007	100%	2007	100%

Figure 4.5 Percentage distribution of whether information about nutritional status of child was communicated to parent

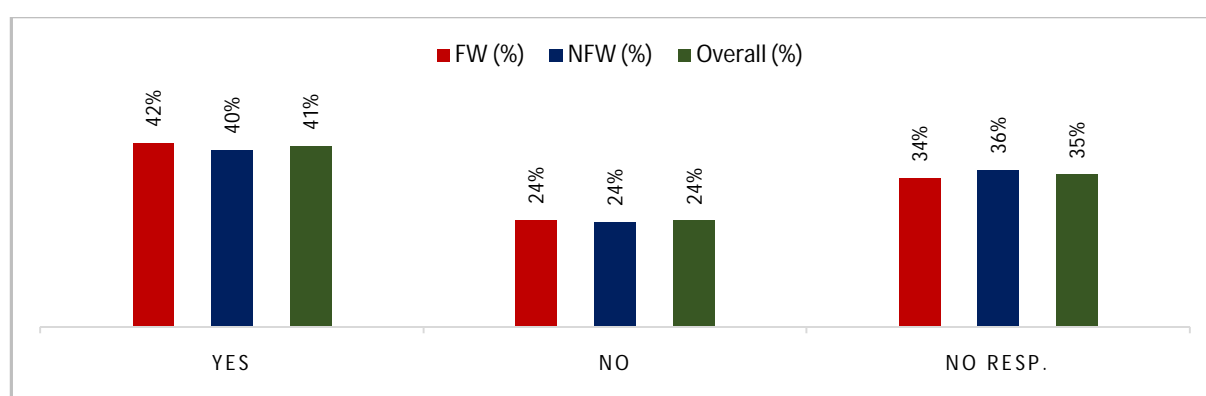


Table 4.6 Percentage distribution of who delivered information about nutritional status of child to parent²

Category	FW	% FW	NFW	% NFW	All	% All
Mitanin	197	20%	187	19%	384	19%
Mitanin Trainer	132	13%	106	11%	238	12%
AWW	269	27%	280	28%	549	27%
ANM	27	3%	27	3%	54	3%
Other Mother	1	0%	3	0%	4	0%
Others	3	0%	4	0%	7	0%
No Resp.	0	0%	0	0%	0	0%

² The totals of Table 4.5 and 4.6 do not add up. The reason for this is that there were more than one response for the question in Table 4.6 when the answer to 4.5 was yes

Figure 4.6 Percentage distribution of who delivered information about nutritional status of child to parent

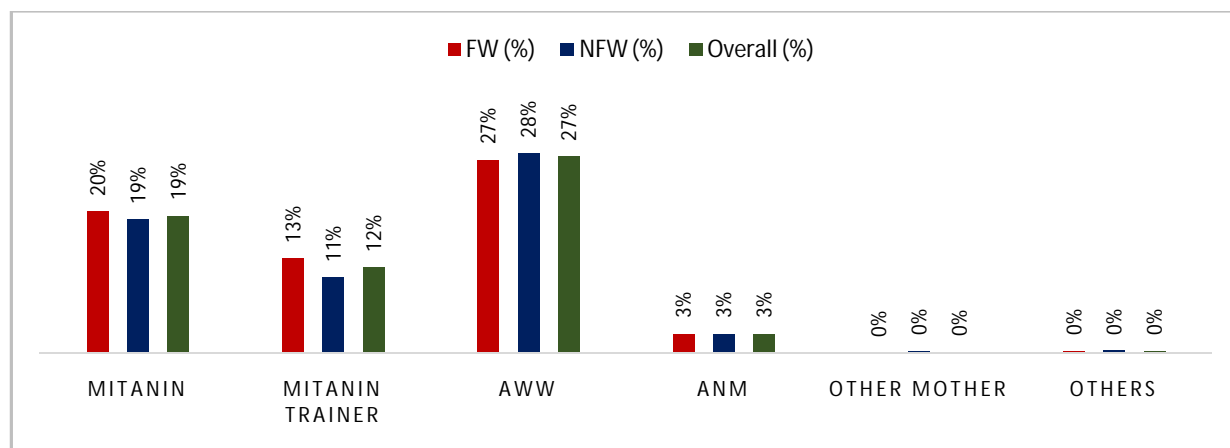


Table 4.7 Percentage distribution of parental awareness of nutrition status of child

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Normal	235	24%	240	24%	475	24%
Malnutrition	121	12%	115	11%	236	12%
No Information	69	7%	62	6%	131	7%
No Resp.	575	58%	590	59%	1165	58%
Total	1000	100%	1007	100%	2007	100%

Figure 4.7 Percentage distribution of parental awareness of nutrition status of child

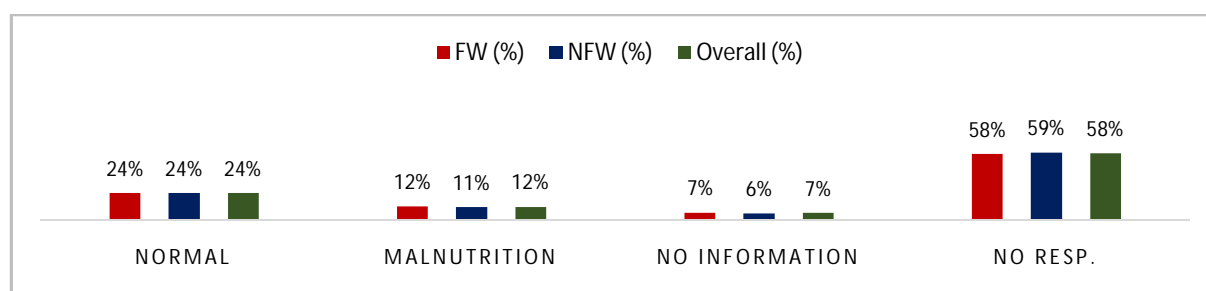


Table 4.8 Percentage distribution of presence of mosquito nets at home

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Yes	847	85%	874	87%	1721	86%
No	147	15%	128	13%	275	14%
No Resp.	6	1%	5	0%	11	1%
Total	1000	100%	1007	100%	2007	100%

Figure 4.8 Percentage distribution of presence of mosquito nets at home

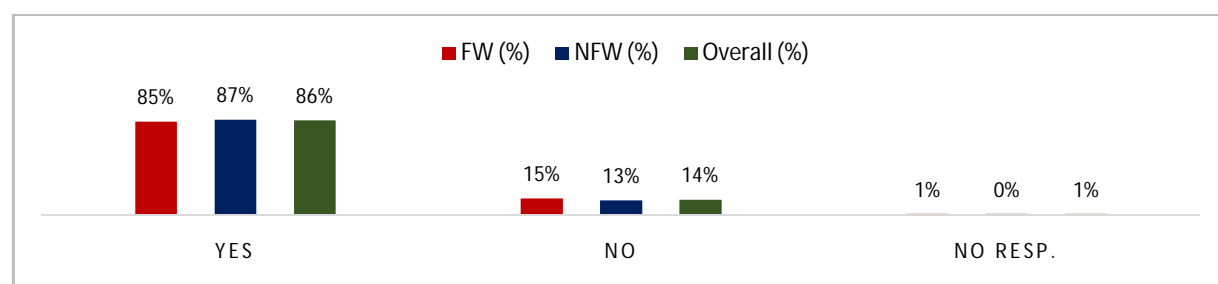


Table 4.9 Percentage distribution of whether the child slept under a mosquito net the day before data was collected

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Yes	744	74%	783	78%	1527	76%
No	184	18%	152	15%	336	17%
No Resp.	72	7%	72	7%	144	7%
Total	1000	100%	1007	100%	2007	100%

Figure 4.9 Percentage distribution of whether the child slept under a mosquito net the day before data was collected

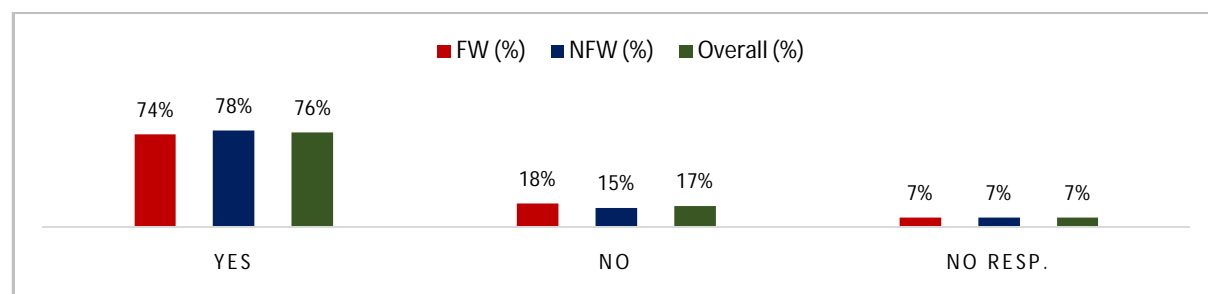


Table 4.10 Percentage distribution of occurrence of diarrhoea in the two weeks before data was collected

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Yes	223	22%	227	23%	450	22%
No	717	72%	728	72%	1445	72%
No Resp.	60	6%	52	5%	112	6%
Total	1000	100%	1007	100%	2007	100%

Figure 4.10 Percentage distribution of occurrence of diarrhoea in the two weeks before data was collected

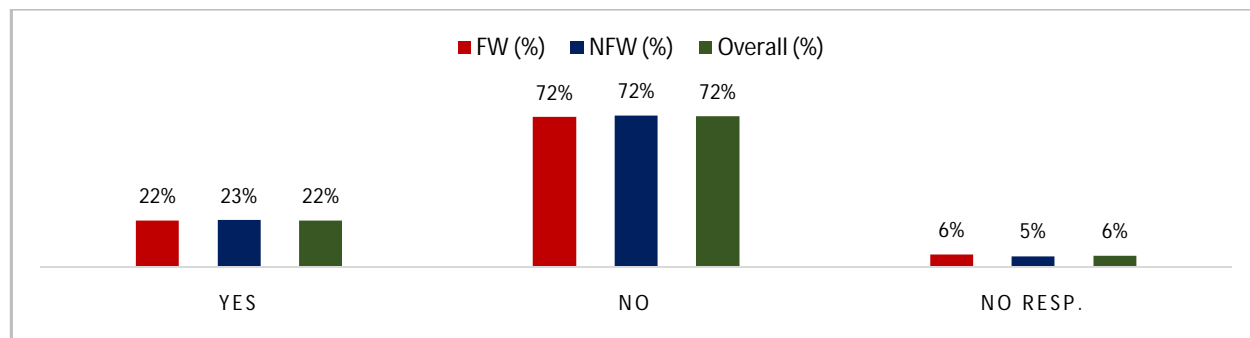


Table 4.11 Percentage distribution of what was given to child during diarrhoea

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
ORS	75	34%	90	40%	165	37%
Salt/Sugar	24	11%	20	9%	44	10%
Rice soup with salt	30	13%	26	11%	56	12%
More water	23	10%	11	5%	34	8%
Natural Tea/Kadha	19	9%	16	7%	35	8%
Others	53	24%	60	26%	113	25%

Figure 4.11 Percentage distribution of what was given to child during diarrhoea

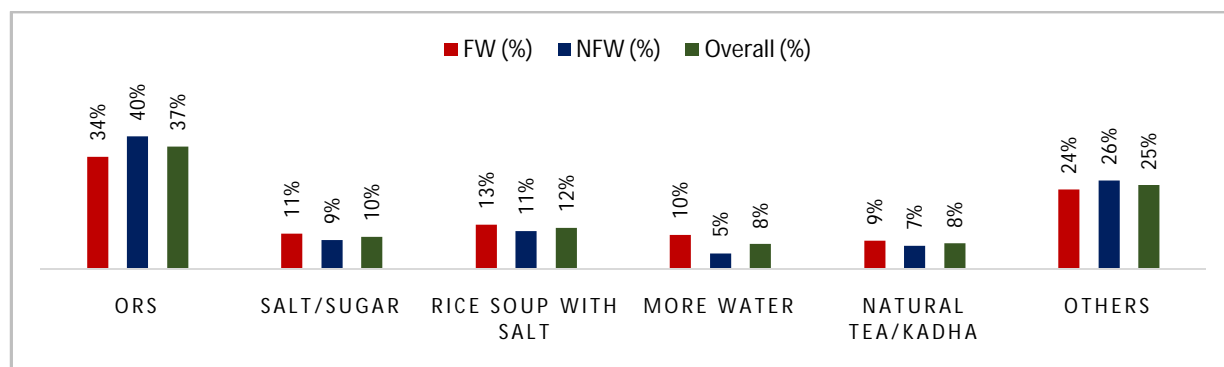


Table 4.12 Percentage distribution of occurrence of fever in the two weeks before data was collected

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Yes	418	42%	429	43%	847	42%
No	538	54%	547	54%	1085	54%
No Resp.	44	4%	31	3%	75	4%
Total	1000	100%	1007	100%	2007	100%

Figure 4.12 Percentage distribution of occurrence of fever in the two weeks before data was collected

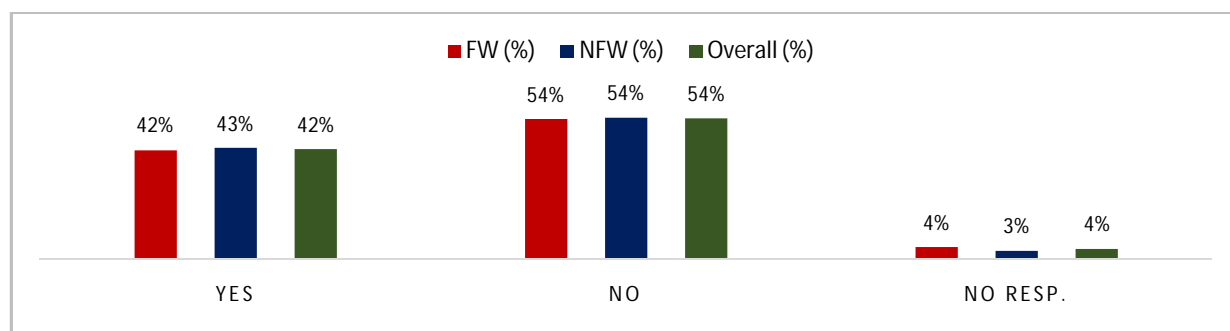


Table 4.13 Percentage distribution of occurrence of cold/ cough in the two weeks before data was collected

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Yes	605	61%	616	61%	1221	61%
No	312	31%	311	31%	623	31%
No Resp.	83	8%	80	8%	163	8%
Total	1000	100%	1007	100%	2007	100%

Figure 4.13 Percentage distribution of occurrence of cold/ cough in the two weeks before data was collected

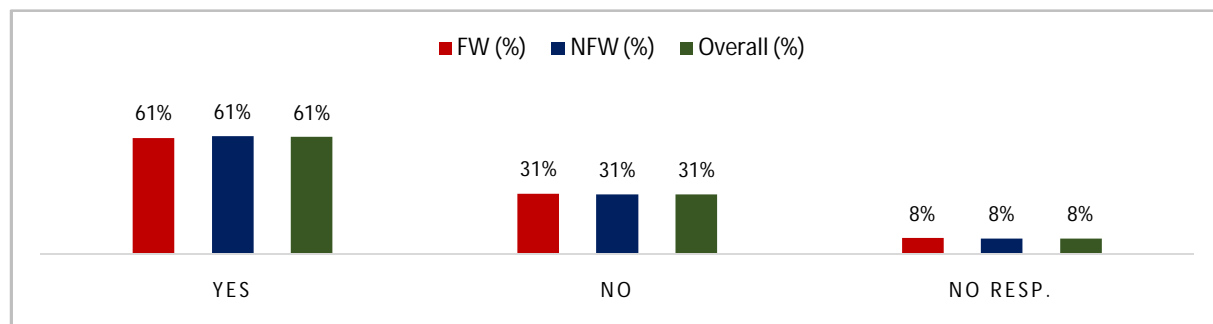


Table 4.14 Percentage distribution of amount of food given to child during cough/ cold

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Normal food	102	17%	109	18%	211	17%
Less food	381	63%	380	62%	761	62%
More food	14	2%	14	2%	28	2%
No food	96	16%	97	16%	193	16%
No Resp.	12	2%	16	3%	28	2%
Total	605	100%	616	100%	1221	100%

Figure 4.14 Percentage distribution of amount of food given to child during cough/ cold

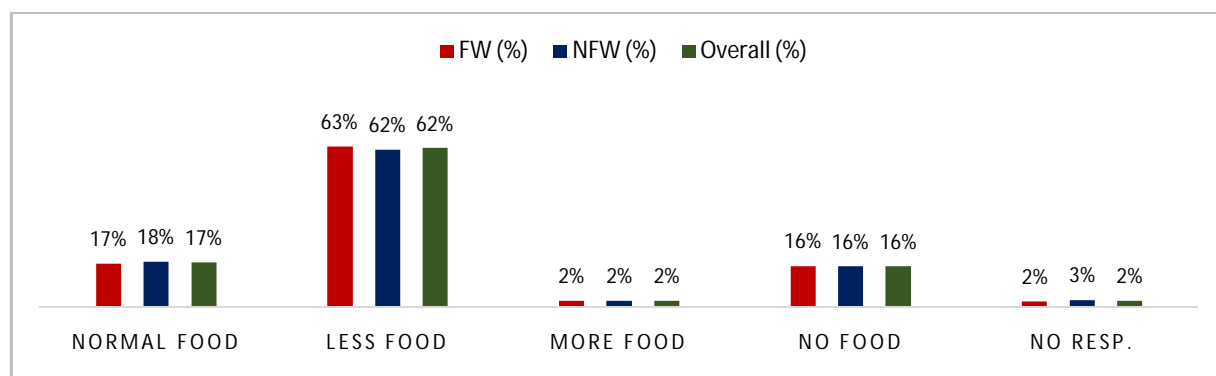


Table 4.15 Percentage distribution of amount of food given to child after child recovered from cough/ cold

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Normal food	275	45%	301	49%	576	47%
Less food	155	26%	149	24%	304	25%
More food	131	22%	126	20%	257	21%
No food	27	4%	24	4%	51	4%
No Resp.	17	3%	16	3%	33	3%
Total	605	100%	616	100%	1221	100%

Figure 4.15 Percentage distribution of amount of food given to child after child recovered from cough/ cold

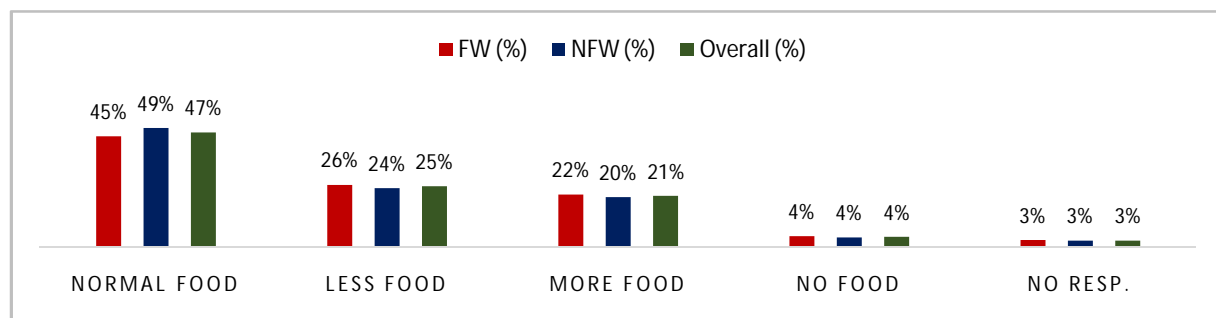


Table 4.16 Percentage distribution of whether child has been given Albendazol (deworming medicine) in the last six months

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Yes	359	36%	343	34%	702	35%
No	614	61%	645	64%	1259	63%
No Resp.	27	3%	19	2%	46	2%
Total	1000	100%	1007	100%	2007	100%

Figure 4.16 Percentage distribution of whether child has been given Albendazol (deworming medicine) in the last six months

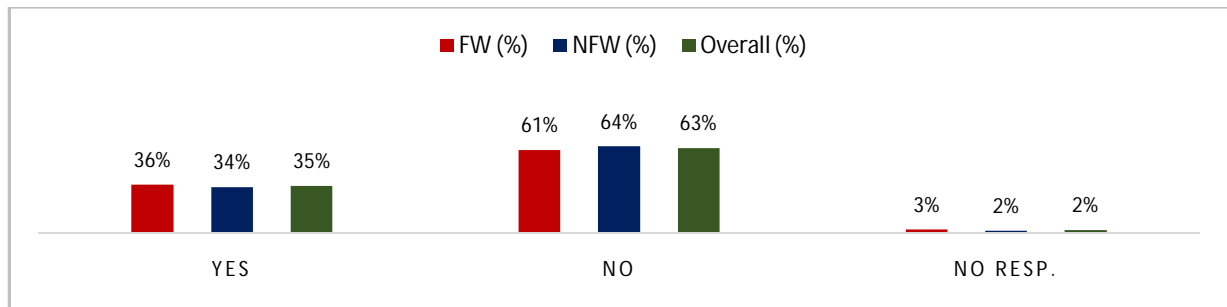
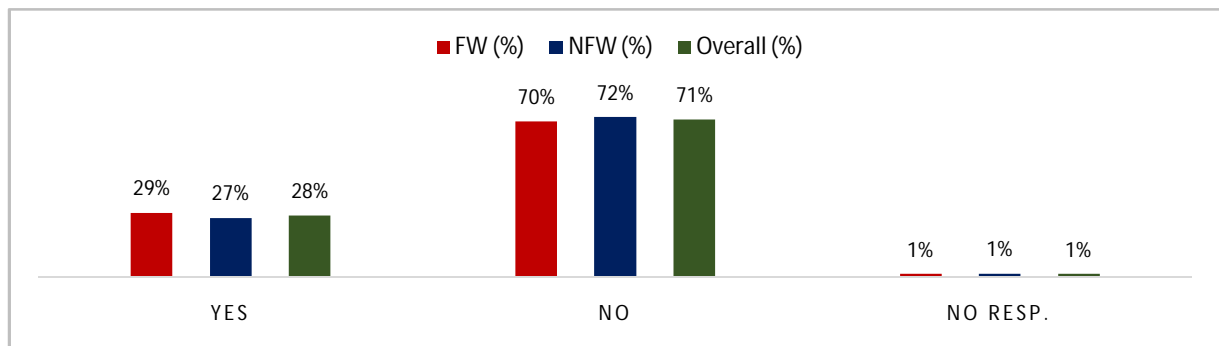


Table 4.17 Percentage distribution of whether child is being given iron syrup currently

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Yes	289	29%	268	27%	557	28%
No	698	70%	724	72%	1422	71%
No Resp.	13	1%	15	1%	28	1%
Total	1000	100%	1007	100%	2007	100%

Figure 4.17 Percentage distribution of whether child is being given iron syrup currently



5. Nutritional Practices

Table 5.1 Percentage distribution of presence of fruit trees in kitchen garden

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Yes	641	64%	658	65%	1299	65%
No	353	35%	345	34%	698	35%
No Resp.	6	1%	4	0%	10	0%
Total	1000	100%	1007	100%	2007	100%

Figure 5.1 Percentage distribution of presence of fruit trees in kitchen garden

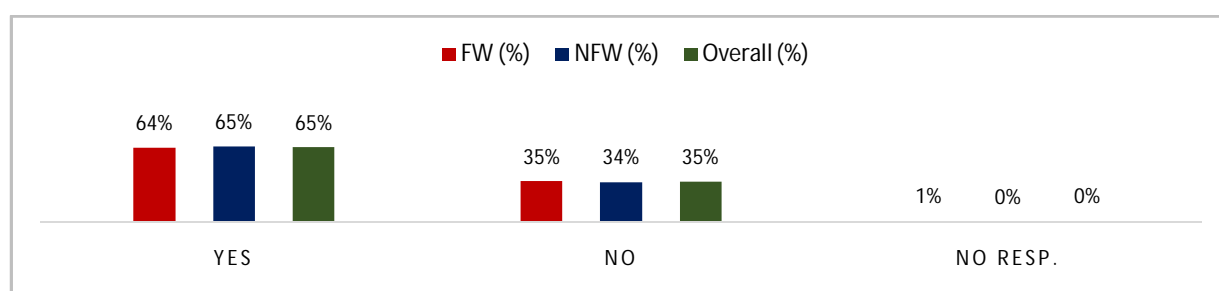


Table 5.2 Percentage distribution of whether supplementary food is being given to child in 7-9 months age-group

Category of Respondent	FW	% FW	NFW	% NFW	All	% All
Yes	63	74.1%	55	70.5%	118	72.4%
No	22	25.9%	23	29.5%	45	27.6%
No Resp.	0	0%	0	0%	0	0%
Total	85	100.0%	78	100.0%	163	100.0%

Figure 5.2 Percentage distribution of whether supplementary food is being given to child

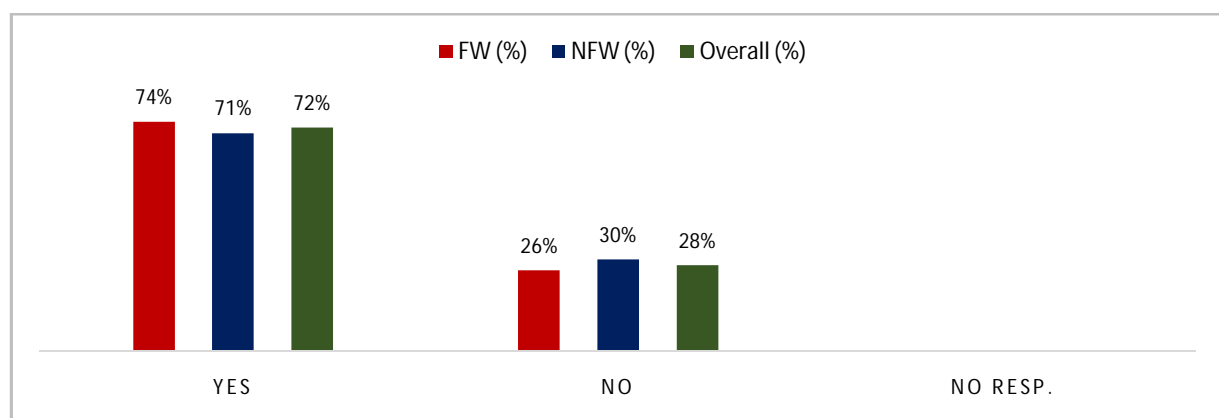


Table 5.3 Percentage distribution of number of times child was given supplementary food on the day before data was collected

Category of Respondent	FW	% FW	NFW	% NFW	All	% All
Once	4	6%	6	11%	10	9%
Twice	18	29%	16	29%	34	29%
Thrice	26	41%	19	35%	45	38%
4 Times	8	13%	9	16%	17	14%
5 times	6	10%	3	6%	9	8%
6 times	1	2%	2	4%	3	3%
7 or more times	0%	0%	0%	0%	0%	0%
No Resp.	0%	0%	0%	0%	0%	0%
Total	63	100%	55	100%	118	100%

Figure 5.3 Percentage distribution of number of times child was given supplementary food on the day before data was collected

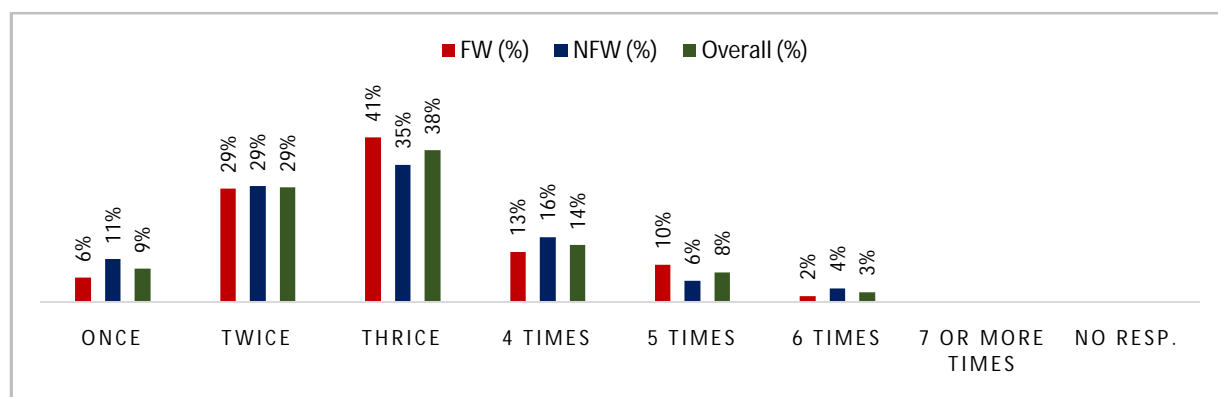


Table 5.4 Percentage distribution of whether oil was added to food on the data before data was collected

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Yes	122	12%	120	12%	242	12%
No	769	77%	791	79%	1560	78%
No Resp.	109	11%	96	10%	205	10%
Total	1000	100%	1007	100%	2007	100%

Figure 5.4 Percentage distribution of whether oil was added to food on the day before data was collected

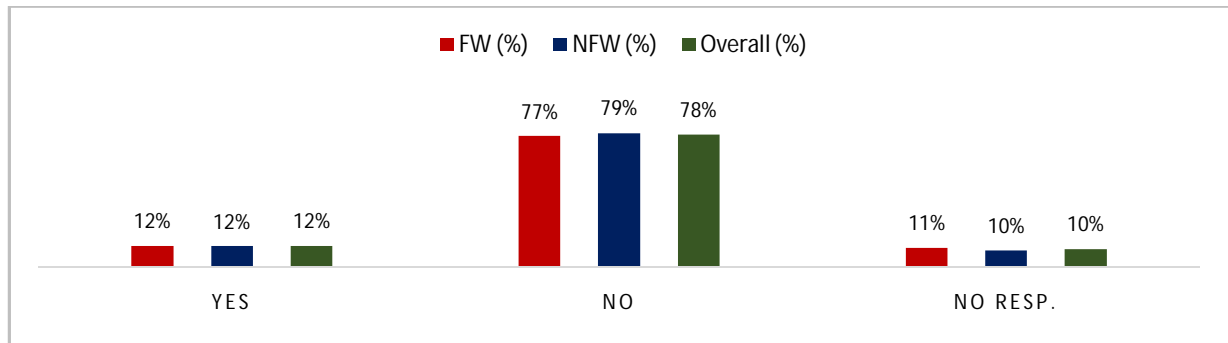


Table 5.5 Percentage distribution of number of times oil was added to food on the day before data was collected

Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Once	33	3%	26	3%	59	3%
Twice	33	3%	33	3%	66	3%
Thrice	21	2%	17	2%	38	2%
4 Times	9	1%	10	1%	19	1%
5 times	2	0%	6	1%	8	0%
6 times	1	0%	1	0%	2	0%
7 or more times	0	0%	0	0%	0	0%
No Resp.	901	90%	914	91%	1815	90%
Total	1000	100%	1007	100%	2007	100%

Figure 5.5 Percentage distribution of number of times oil was added to food on the day before data was collected

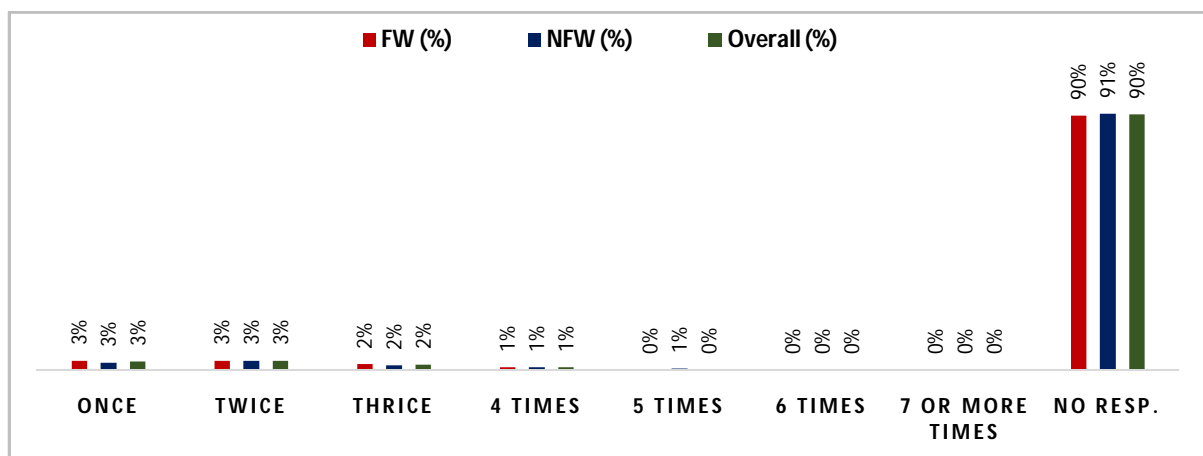


Table 5.6 Percentage distribution of number of times child ate the following food on the day before data was collected

Foods	Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Rice	Not at all	107	11%	108	11%	215	11%
	Once	47	5%	53	5%	100	5%
	Twice	225	23%	218	22%	443	22%
	More than twice	621	62%	628	62%	1249	62%
Green Vegetables	Not at all	588	59%	576	57%	1164	58%
	Once	120	12%	121	12%	241	12%
	Twice	118	12%	143	14%	261	13%
	More than twice	174	17%	167	17%	341	17%
Potatoes	Not at all	731	73%	715	71%	1446	72%
	Once	99	10%	108	11%	207	10%
	Twice	87	9%	100	10%	187	9%
	More than twice	83	8%	84	8%	167	8%
Other Vegetables	Not at all	747	75%	759	75%	1506	75%
	Once	101	10%	82	8%	183	9%
	Twice	80	8%	88	9%	168	8%
	More than twice	72	7%	78	8%	150	7%
Fruits	Not at all	821	82%	820	81%	1641	82%
	Once	106	11%	110	11%	216	11%
	Twice	47	5%	55	5%	102	5%
	More than twice	26	3%	22	2%	48	2%

Figure 5.6 Percentage Distribution of number of times child ate rice on the day before data was collected

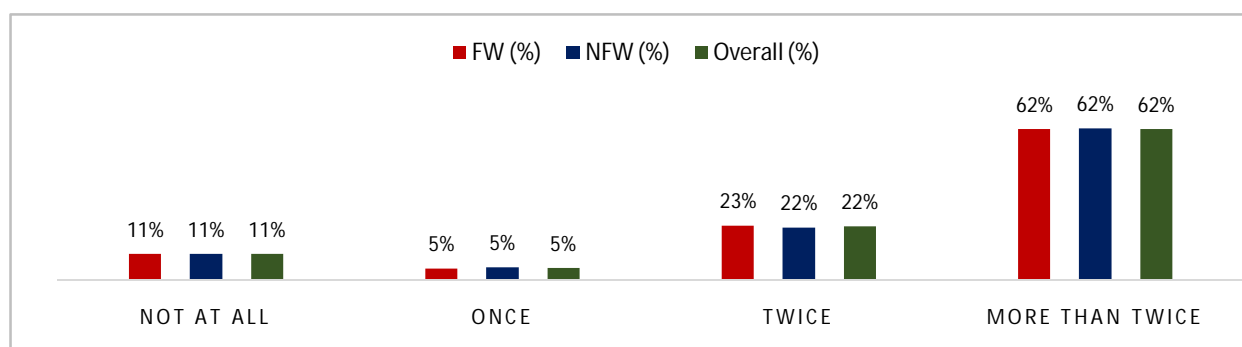


Figure 5.7 Percentage distribution of number of times child ate Green Vegetables on the day before data was collected

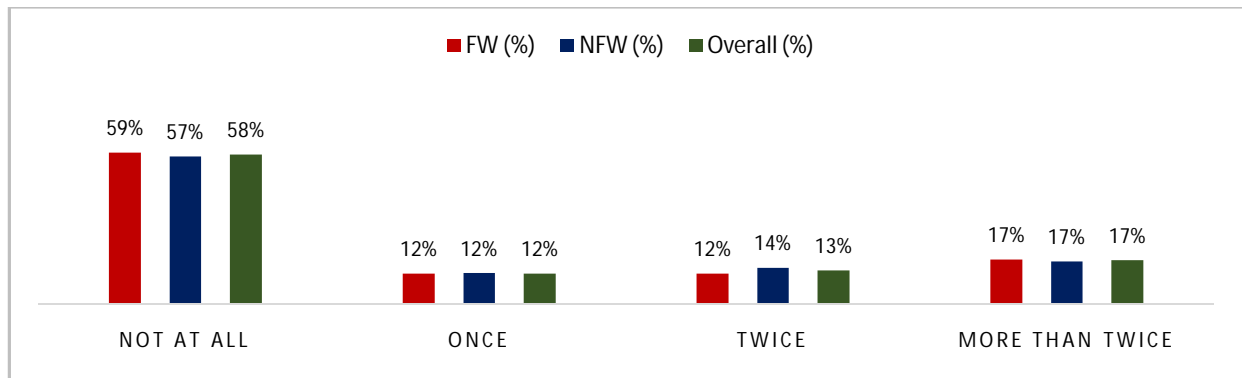


Figure 5.8 Percentage Distribution of number of times child ate potatoes on the day before data was collected

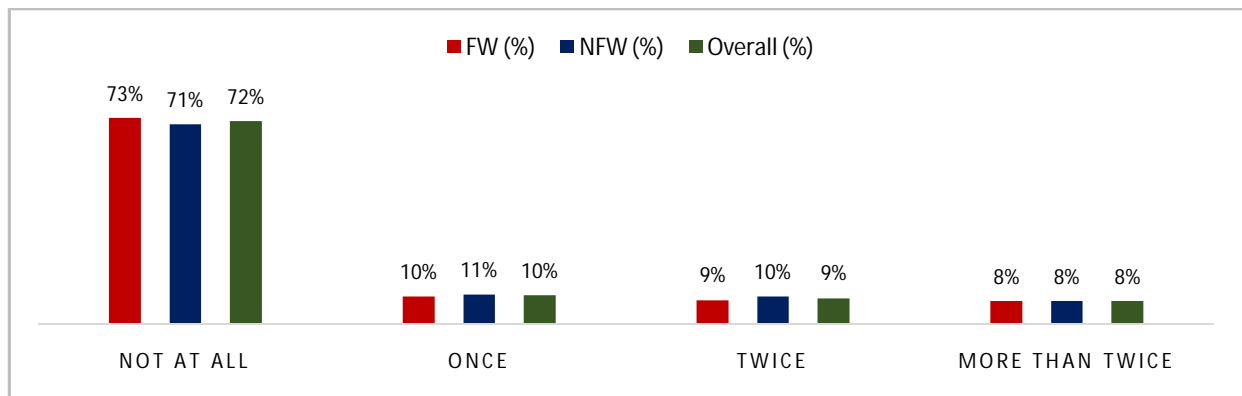


Figure 5.9 Percentage distribution of number of times child ate Other Vegetables on the day before data was collected

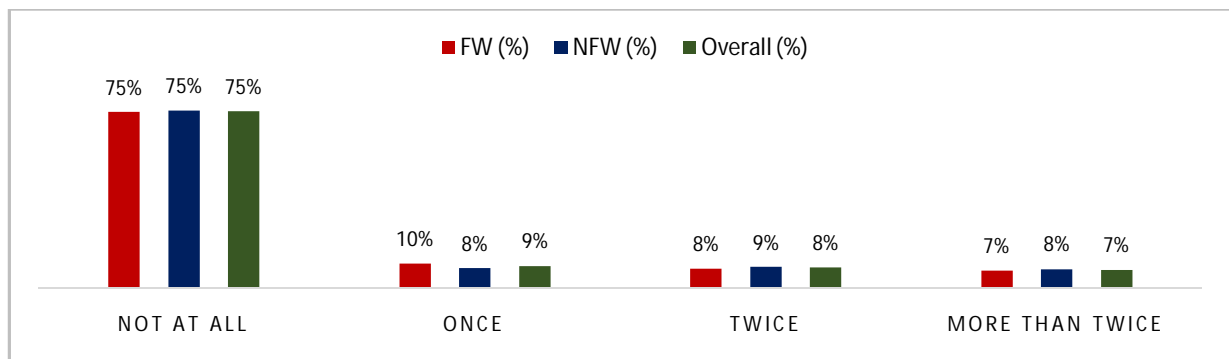


Figure 5.10 Percentage distribution of number of times child ate Fruits on the day before data was collected

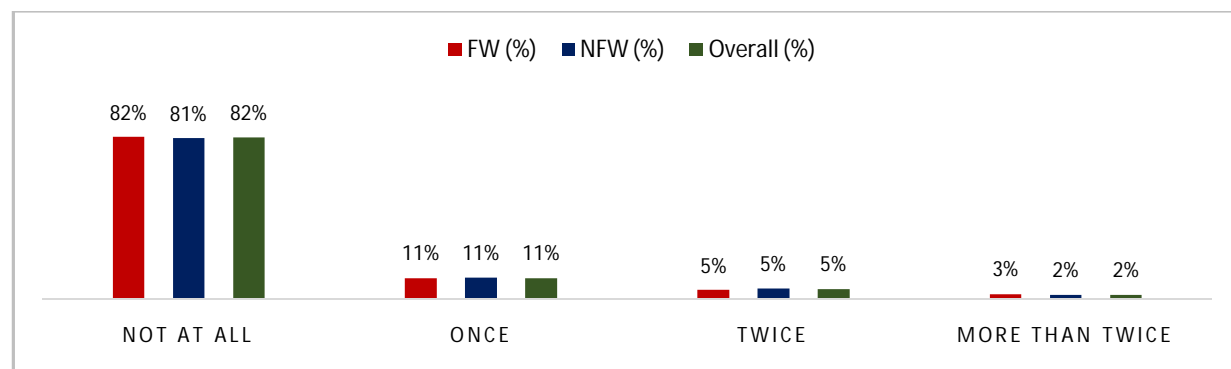


Table 5.7 Percentage distribution of number of times child ate the following food on the day before data was collected

Foods	Category	FW (n)	FW (%)	NFW (n)	NFW (%)	Overall (n)	Overall (%)
Dal	Not at all	387	39%	339	34%	726	36%
	Once	128	13%	138	14%	266	13%
	Twice	188	19%	191	19%	379	19%
	More than twice	297	30%	339	34%	636	32%
Egg	Not at all	928	93%	954	95%	1882	94%
	Once	47	5%	32	3%	79	4%
	Twice	15	2%	13	1%	28	1%
	More than twice	10	1%	8	1%	18	1%
Meat	Not at all	933	93%	950	94%	1883	94%
	Once	37	4%	29	3%	66	3%
	Twice	21	2%	15	1%	36	2%
	More than twice	9	1%	13	1%	22	1%
Fish	Not at all	918	92%	942	94%	1860	93%
	Once	53	5%	38	4%	91	5%
	Twice	14	1%	12	1%	26	1%
	More than twice	15	2%	15	1%	30	1%
Milk/ Curd	Not at all	928	93%	934	93%	1862	93%
	Once	30	3%	35	3%	65	3%
	Twice	16	2%	27	3%	43	2%
	More than twice	26	3%	11	1%	37	2%

Figure 5.11 Percentage distribution of number of times child ate Dal on the day before data was collected

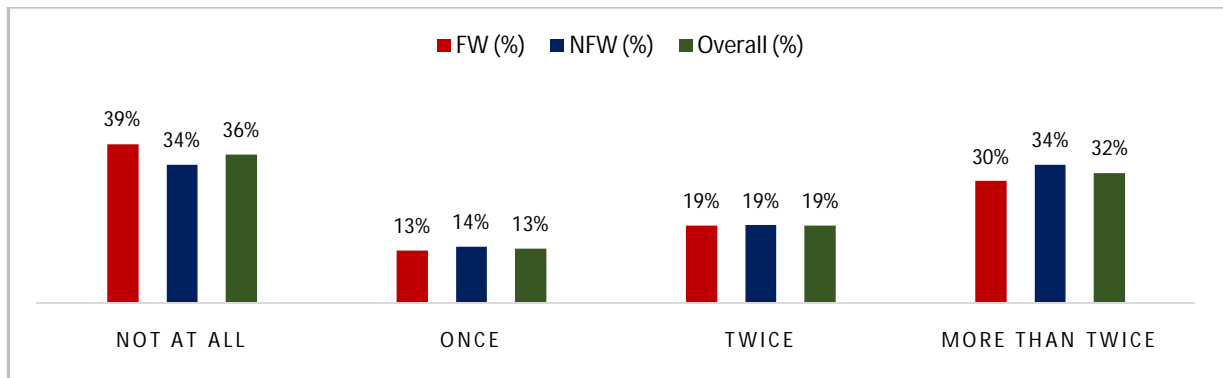


Figure 5.12 Percentage distribution of number of times child ate Egg on the day before data was collected

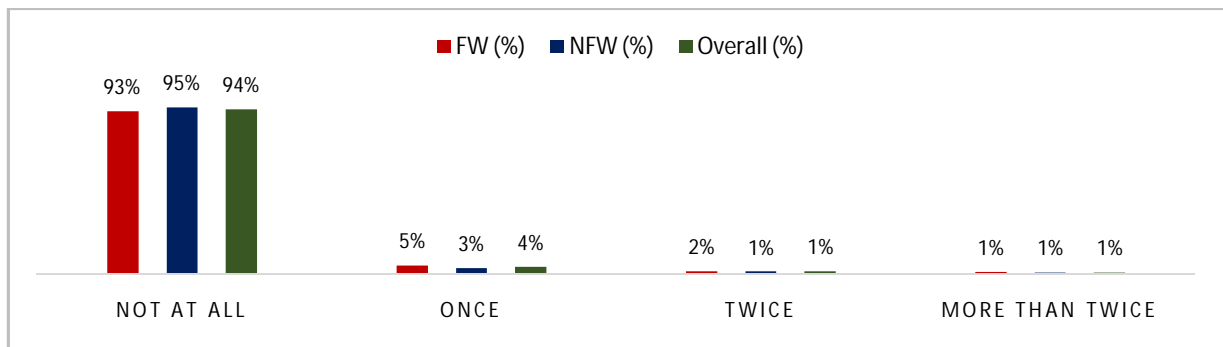


Figure 5.13 Percentage distribution of number of times child ate Meat on the day before data was collected

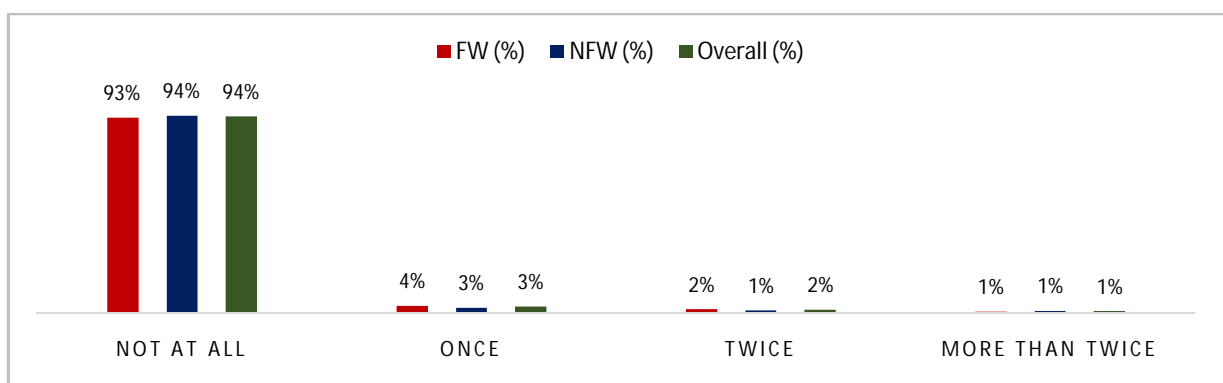


Figure 5.14 Percentage distribution of number of times child ate Fish on the day before data was collected

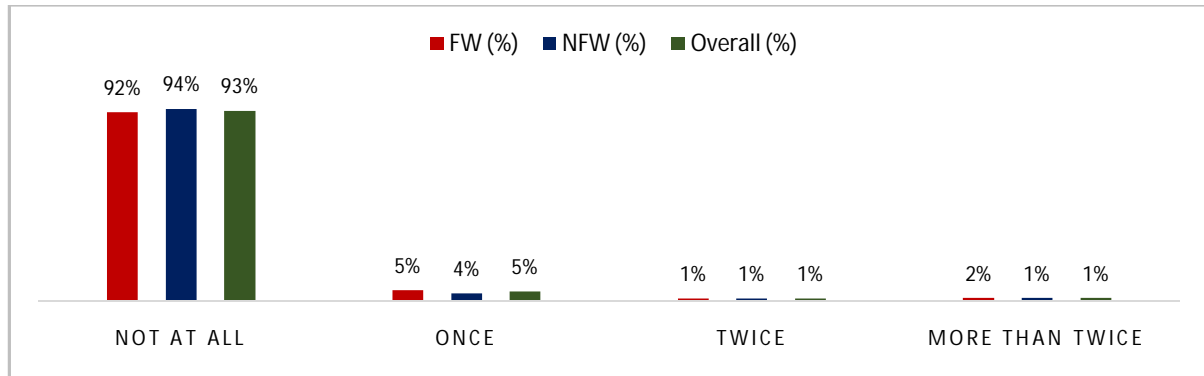
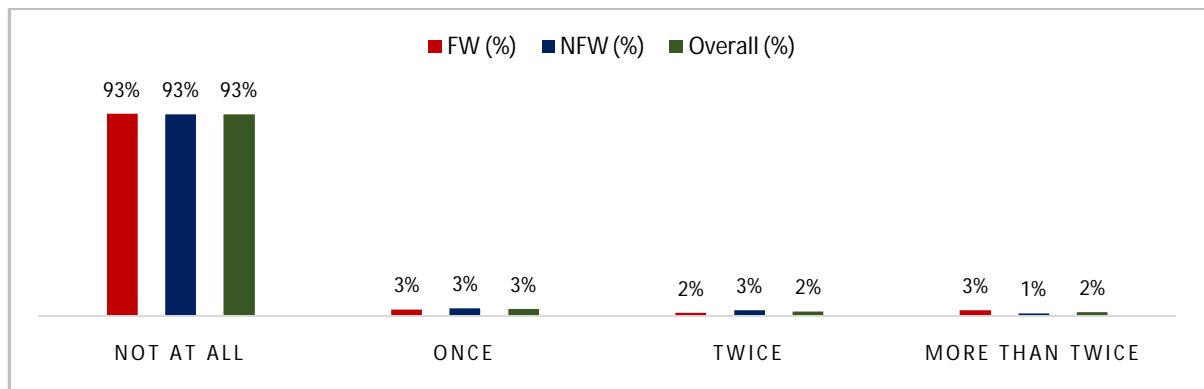


Figure 5.15 Percentage distribution of number of times child ate Milk/Curd on the day before data was collected



6. Psychosocial Development

6 months to 1 year

Table 6.1 Percentage distribution of stimulating behaviours during feeding

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Caress the child	206	50%	207	50%	413	100%	109	53%	97	47%	206	100%	2	20%	8	80%	10	100%
Sing a song to her	82	47%	93	53%	175	100%	230	52%	211	48%	441	100%	5	38%	8	62%	13	100%
Speak to her	208	49%	217	51%	425	100%	104	54%	87	46%	191	100%	5	38%	8	62%	13	100%
Show pictures from a book	43	49%	45	51%	88	100%	268	51%	257	49%	525	100%	6	38%	10	63%	16	100%
Does anyone else do this?	97	50%	98	50%	195	100%	212	51%	205	49%	417	100%	8	47%	9	53%	17	100%

Table 6.2 Percentage distribution of stimulating behaviours during bath time

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Talk to the child	234	50%	233	50%	467	100%	79	51%	76	49%	155	100%	4	57%	3	43%	7	100%
Sing a song to her	92	48%	98	52%	190	100%	217	51%	210	49%	427	100%	8	67%	4	33%	12	100%
Let her play with water	94	55%	76	45%	170	100%	217	49%	228	51%	445	100%	6	43%	8	57%	14	100%
Tell her a story	38	45%	46	55%	84	100%	269	51%	258	49%	527	100%	10	56%	8	44%	18	100%
Does anyone else do this?	73	46%	87	54%	160	100%	228	51%	216	49%	444	100%	16	64%	9	36%	25	100%

Table 6.3 Percentage distribution of stimulating behaviours during bedtime

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Caress the child	255	50%	259	50%	514	100%	59	53%	52	47%	111	100%	3	75%	1	25%	4	100%
Sing a song or lullaby	122	47%	138	53%	260	100%	191	52%	173	48%	364	100%	4	80%	1	20%	5	100%
Talk to the child	214	50%	212	50%	426	100%	102	51%	99	49%	201	100%	1	50%	1	50%	2	100%
Show pictures from a book	34	41%	49	59%	83	100%	276	52%	256	48%	532	100%	7	50%	7	50%	14	100%
Tell her a story	54	47%	60	53%	114	100%	255	51%	242	49%	497	100%	8	44%	10	56%	18	100%
Does anyone else do this?	80	48%	88	52%	168	100%	221	51%	210	49%	431	100%	16	53%	14	47%	30	100%

Table 6.4 Percentage distribution of stimulating behaviours during free time

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Play with the child	224	51%	218	49%	442	100%	91	49%	93	51%	184	100%	2	67%	1	33%	3	100%
Talk to the child	244	49%	249	51%	493	100%	72	54%	62	46%	134	100%	1	50%	1	50%	2	100%
Sing songs to her	89	46%	103	54%	192	100%	221	52%	206	48%	427	100%	7	70%	3	30%	10	100%
Show pictures from a book	53	47%	59	53%	112	100%	257	52%	242	48%	499	100%	7	39%	11	61%	18	100%
Does anyone else do this?	99	51%	96	49%	195	100%	203	49%	209	51%	412	100%	15	68%	7	32%	22	100%

Table 6.5 Percentage distribution of stimulating behaviours when caregiver is busy

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Play with toys	206	48%	223	52%	429	100%	107	55%	86	45%	193	100%	4	57%	3	43%	7	100%
Cry	103	53%	92	47%	195	100%	210	50%	211	50%	421	100%	4	31%	9	69%	13	100%
Stay in someone else's lap	187	52%	175	48%	362	100%	127	49%	134	51%	261	100%	3	50%	3	50%	6	100%
Lie around you	158	51%	153	49%	311	100%	150	49%	154	51%	304	100%	9	64%	5	36%	14	100%

Table 6.6 Percentage distribution of materials child plays with

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Jhoomer	69	47%	78	53%	147	100%	207	51%	199	49%	406	100%	41	54%	35	46%	76	100%
Rattle	143	47%	161	53%	304	100%	151	53%	136	47%	287	100%	23	61%	15	39%	38	100%
Other household things such as vegetables, basket, etc.	151	51%	146	49%	297	100%	146	50%	148	50%	294	100%	20	53%	18	47%	38	100%

Table 6.7 Percentage distribution of parental response when child plays with household materials

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Prevent her from playing	116	53%	101	47%	217	100%	195	49%	207	51%	402	100%	6	60%	4	40%	10	100%
Allow her to play	174	52%	161	48%	335	100%	134	49%	141	51%	275	100%	9	47%	10	53%	19	100%
Play with her	156	52%	145	48%	301	100%	153	49%	157	51%	310	100%	8	44%	10	56%	18	100%

1-3 years

Table 6.8 Percentage distribution of stimulating behaviours during feeding

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Feed the child on your own	298	50%	295	50%	593	100%	374	49%	391	51%	765	100%	11	55%	9	45%	20	100%
encourage the child to eat alone	428	49%	444	51%	872	100%	251	51%	245	49%	496	100%	4	40%	6	60%	10	100%
Tell the child a story	111	44%	143	56%	254	100%	551	51%	538	49%	1089	100%	21	60%	14	40%	35	100%
Speak to the child	508	49%	522	51%	1030	100%	174	51%	166	49%	340	100%	1	13%	7	88%	8	100%
Show pictures from a book	155	45%	189	55%	344	100%	514	51%	495	49%	1009	100%	14	56%	11	44%	25	100%
Does anyone else do this?	244	52%	228	48%	472	100%	431	49%	450	51%	881	100%	8	32%	17	68%	25	100%

Table 6.9 Percentage distribution of stimulating behaviours during bath time

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
bathe the child	510	48%	542	52%	1052	100%	164	53%	145	47%	309	100%	9	53%	8	47%	17	100%
encourage the child to bathe	257	49%	266	51%	523	100%	410	49%	421	51%	831	100%	16	67%	8	33%	24	100%
Talk to the child	504	49%	533	51%	1037	100%	173	52%	158	48%	331	100%	6	60%	4	40%	10	100%
Sing a song to her	140	46%	166	54%	306	100%	534	51%	513	49%	1047	100%	9	36%	16	64%	25	100%
Let her play with water	266	49%	275	51%	541	100%	409	50%	415	50%	824	100%	8	62%	5	38%	13	100%
Tell her a story	103	46%	123	54%	226	100%	556	50%	558	50%	1114	100%	24	63%	14	37%	38	100%
Does anyone else do this?	198	51%	192	49%	390	100%	465	49%	476	51%	941	100%	20	43%	27	57%	47	100%

Table 6.10 Percentage distribution of stimulating behaviours during bedtime

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
Do you:	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Caress the child	526	50%	534	50%	1060	100%	154	50%	156	50%	310	100%	3	38%	5	63%	8	100%
Sing a song or lullaby	210	47%	237	53%	447	100%	467	51%	446	49%	913	100%	6	33%	12	67%	18	100%
Talk to the child	481	49%	491	51%	972	100%	197	50%	195	50%	392	100%	5	36%	9	64%	14	100%
Show pictures from a book	131	45%	161	55%	292	100%	546	51%	520	49%	1066	100%	6	30%	14	70%	20	100%
Tell her a story	151	45%	186	55%	337	100%	516	51%	496	49%	1012	100%	16	55%	13	45%	29	100%
Does anyone else do this?	204	51%	198	49%	402	100%	453	49%	466	51%	919	100%	26	46%	31	54%	57	100%

Table 6.11 Percentage distribution of stimulating behaviours during free time

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
Do you:	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Play with the child	418	48%	457	52%	875	100%	261	53%	229	47%	490	100%	4	31%	9	69%	13	100%
Talk to the child	544	49%	560	51%	1104	100%	135	51%	130	49%	265	100%	4	44%	5	56%	9	100%
Sing songs to her	180	46%	211	54%	391	100%	492	51%	466	49%	958	100%	11	38%	18	62%	29	100%
take the child outside and show things	395	50%	396	50%	791	100%	281	50%	286	50%	567	100%	7	35%	13	65%	20	100%
Show pictures from a book	167	46%	195	54%	362	100%	497	51%	484	49%	981	100%	19	54%	16	46%	35	100%
Does anyone else do this?	232	50%	236	50%	468	100%	432	50%	433	50%	865	100%	19	42%	26	58%	45	100%

Table 6.12 Percentage distribution of stimulating behaviours when caregiver is busy

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Play with toys	513	48%	548	52%	1061	100%	167	55%	138	45%	305	100%	3	25%	9	75%	12	100%
Cry	183	49%	191	51%	374	100%	487	50%	490	50%	977	100%	13	48%	14	52%	27	100%
Stay in someone else's lap	343	49%	353	51%	696	100%	333	50%	331	50%	664	100%	7	39%	11	61%	18	100%
Lie around you	346	49%	366	51%	712	100%	322	51%	315	49%	637	100%	15	52%	14	48%	29	100%

Table 6.13 Percentage distribution of materials child plays with

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Other household things such as vegetables, basket, etc.	373	47%	420	53%	793	100%	286	53%	255	47%	541	100%	24	55%	20	45%	44	100%
Play outside	410	49%	419	51%	829	100%	252	49%	258	51%	510	100%	21	54%	18	46%	39	100%
Others	223	49%	233	51%	456	100%	356	50%	358	50%	714	100%	104	50%	104	50%	208	100%

Table 6.14 Percentage distribution of parental response when child plays with household materials

Category	Often						Rarely						No Response					
	FW		NFW		ALL		FW		NFW		ALL		FW		NFW		ALL	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Prevent her from playing	265	53%	236	47%	501	100%	410	48%	450	52%	860	100%	8	47%	9	53%	17	100%
Allow her to play	358	47%	401	53%	759	100%	309	52%	280	48%	589	100%	16	53%	14	47%	30	100%
Play with her	284	49%	297	51%	581	100%	379	50%	380	50%	759	100%	20	53%	18	47%	38	100%