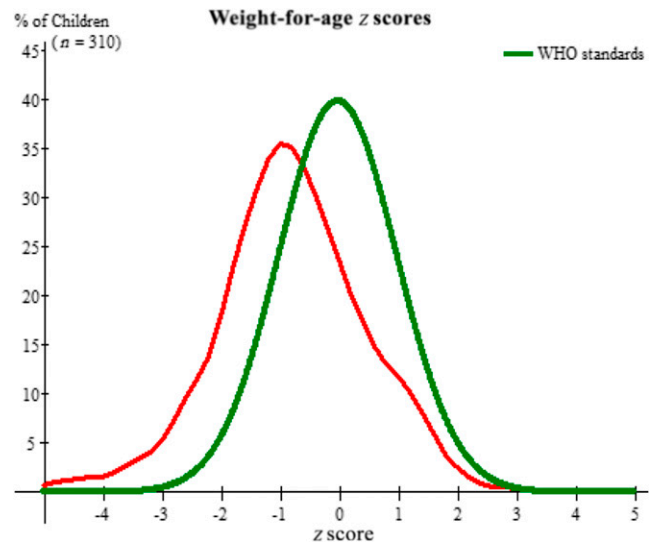
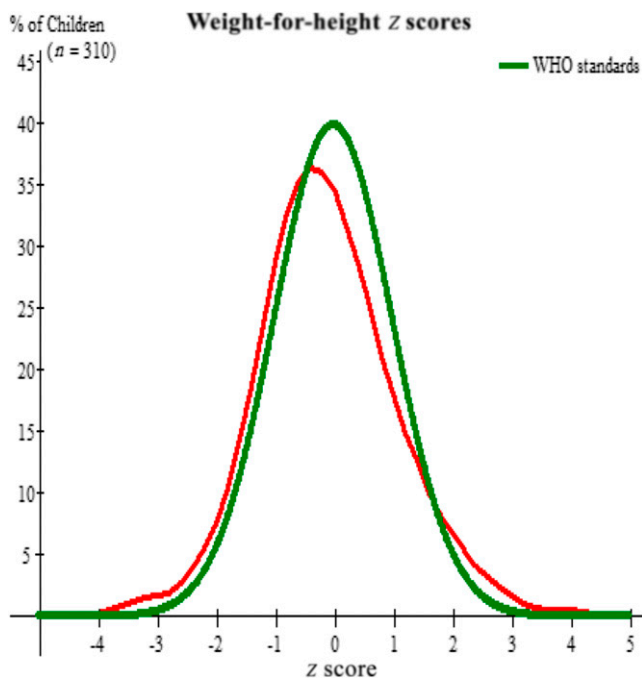


SUPPLEMENTAL FIGURE 1. Prevalence of stunting 31.6%.



SUPPLEMENTAL FIGURE 3. Prevalence of underweight 15.5%.



SUPPLEMENTAL FIGURE 2. Prevalence of wasting 4.5%.

SUPPLEMENTAL TABLE 1
Demographic characteristics of the population under study

Description	Number N = 310	Percentage
Name of the district		
Longido	150	48.4
Monduli	160	51.6
Name of the village		
Orbomba	86	27.7
Kimokouwa	64	20.6
Meserani	79	25.5
Makuyuni	81	26.1
Child age		
6–12 months	61	19.7
> 12–24 months	67	21.6
> 24–36 months	68	22
> 36–48 months	57	18.4
> 48–59 months	57	18.4
Mother's age		
16–19	9	2.9
20–29	173	55.8
30–39	98	31.6
40 and older	30	9.7
Mother's level of education		
No education	144	46.5
Primary education	144	46.5
Secondary and high school	16	6.1
College and university	3	1
Expenditure per day in Tshs		
Below 1\$	8	2.6
Between 1\$ to 5\$	270	87.1
Above 5\$	18	5.8
I don't know	14	4.5
Type of household		
Father headed	297	95.8
Mother headed	13	4.2
Occupation of head of family		
Business and livestock keeping	83	26.7
Agriculture and livestock keeping	204	65.8
Agriculture, livestock keeping, and business	23	7.4
Marital status		
Single	2	0.6
Married	298	96.1
Divorced	1	0.3
Separated	1	0.3
Widower	8	2.6

SUPPLEMENTAL TABLE 2
Independent predictors of stunting among under-five children in pastoral communities

Variable	n	Stunting %	COR (95% CI)	P value	AOR (95% CI)	P value
Main source of domestic water						
Tap water	189	21.2	1	–	1	–
Surface water	121	48.8	3.5 (2.2–5.8)	0.000	13 (5.8–30)	0.000
Time the CF was introduced to the child						
Before 6 months	278	50	2.3 (1.1–4.9)	0.02	2.8 (1.2–6.5)	0.02
6 months and older	32	30	1	–	1	–
Child having diarrhea for the past 2 weeks						
Yes	88	41	1.8 (1.1–2.9)	0.03	2.6 (1.4–5)	0.004
No	222	28.4	1	–	1	–
How cow's milk is prepared before feeding to the child						
Boiled	243	31.7	1	–	1	–
Not boiled	67	32.8	1.1 (0.6–1.9)	0.9	1.8 (1–3.8)	0.1
Means of storing already prepared CF						
Thermos/hotpot	213	30	1	–	1	–
Traditional calabash	97	36.1	1.3 (0.8–2.2)	0.3	1.2 (0.6–2.4)	0.7
Number of wives under single husband						
Single wife/monogamy	126	22.2	–	–	–	–
More than one wife/polygamy	184	50	2.3 (1.1–4.9)	0.02	2.5 (1.4–4.4)	0.003
Mother's level of education						
No formal education	145	43.4	–	–	–	–
With formal education	165	22	3.4 (1.6–5.9)	0.000	2.8 (1.4–4.8)	0.001

CF = complementary foods.

SUPPLEMENTAL TABLE 3
Independent predictors for underweight among under-five children in pastoral communities

Variable	N	Underweight %	COR (95% CI)	P value	AOR (95% CI)	P value
Main source of domestic water						
Tap water	189	6.3	1		1	
Surface water	121	32.2	7 (3.5–14.1)	0.000	9.2 (9.1–60.5)	0.000*
Time the CF was introduced to the child						
Before 6 months	278	18.8	0.8 (0.3–2.2)	0.7	1.9 (0.7–5.9)	0.3
6 months and older	32	16.2	1		1	
Child having diarrhea for the past 2 weeks						
Yes	88	19.3	1.3 (0.7–2.5)	0.4	2.5 (1.1–6)	0.004*
No	222	11.9	1	–	1	–
How cow's milk is prepared before feeding to the child						
Boiled	243	11.9	1	–	1	–
Unboiled	67	17.7	1.6 (0.7–3.6)	0.3	2.5 (1–6.7)	0.05*
Means of storing already prepared CF						
Thermos/hotpot	213	14.4	1	–	1	–
Traditional calabash	97	17.4	1.3 (0.6–2.4)	0.5	1.5 (0.7–3.8)	0.4
Gender of the child						
Male	155	18.2	1	–	1	–
Female	155	12.3	2 (1.1–4.2)	0.04	2.1 (1.1–3.9)	0.03
Mothers level of education						
No formal education	145	23.4	1	–	1	–
With formal education	165	10.3	2.3 (1.3–5.1)	0.002	2.9 (1.5–5.4)	0.001

CF = complementary foods.

* Symbol means significant level which is $P < 0.05$.