

Tables

Variables	Frequency	Percentage
Father occupation		
Casual labor	114	36.4%
No Employment	83	26.5%
Former work	116	37.1%
Father education		
No Formal Education	113	36.1%
Primary	158	50.5%
Secondary and higher	42	13.4%
A Husband has another wife		
No	275	87.9%
Yes	38	12.1%
Maternal occupation		
Casual labor	118	37.7%
No Employment	91	29.1%
Former work	104	33.2%
Mother education		
No Formal Education	157	50.2%
Primary	103	32.9%
Secondary and higher	53	16.9%
Mother can read and write		
No	54	17.3%
Yes	259	82.8%
Marital status mother		
Living with partner	259	82.8%
Living without partner	54	17.3%
Residence		
Rural	133	42.5%
Urban	180	57.5%
Family size		
Less than 5	67	21.4%
Five and more	246	78.6%
Number of Children U-5		
Zero	147	47%
One	131	41.9%
More than one	35	11.2%
Any of the parents has disability		
No	289	92.3%
Yes	24	7.7%
Age cat		
6-23 Months	42	13.4%
24-59 Months	82	26.2%
6-12 years	124	39.6%
13-18 years	65	20.8%
Sex		
Male	158	50.5%

Female	155	49.5%
Child has both parents		
No	20	6.4%
Yes	293	93.6%
Child live with both parents		
No	58	18.5%
Yes	255	81.5%
Diarrhoea in the last 2 weeks		
No	273	87.2%
Yes	40	12.8%
Vomited in last 2 weeks		
No	260	83.1%
Yes	53	16.9%
Fever in last 2 weeks		
No	243	77.6%
Yes	70	22.4%
Any disease in the last 2 weeks		
No	203	64.9%
Yes	110	35.1%
Household Dietary diversity		
Low dietary diversity	83	26.5%
Minimum dietary diversity	230	73.5%
Child MDD		
No	98	44.1%
Yes	124	55.9%

Table 1: Description of the characteristics of the study participants. (n=313). *Frequency and percentages

	Underweight		Stunting		Thin	Wasting			Double burden	
	Yes	P-value	Yes	P-value		Normal	Overweight	P-value	Yes	P-value
Father occupation										
Casual labor	50(58.1)	0.027	88(77.2)	0.324	20(17.5)	66(57.9)	28(24.6)	0.077	5(4.4)	0.095
No Employment	21(40.4)		57(68.7)		17(20.5)	40(48.2)	26(31.3)		4(4.8)	
Former work	33(39.3)		81(69.8)		10(8.6)	65(56)	41(35.3)		13(11.2)	
Father education										
No Formal Education	45(55.6)	0.136	82(72.6)	0.452	20(17.7)	62(54.9)	31(27.4)	0.698	6(5.3)	0.610
Primary	46(42.6)		117(74.1)		21(13.3)	84(53.2)	53(33.5)		12(7.6)	
Secondary and higher	13(39.4)		27(64.3)		6(14.3)	25(59.5)	11(26.2)		4(9.5)	
A Husband has another										
No	86(44.1)	0.028	196(71.3)	0.322	43(15.6)	150(54.5)	82(29.8)	0.672	20(7.3)	0.650
Yes	18(66.7)		30(78.9)		4(10.5)	21(55.3)	13(34.2)		2(5.3)	
Maternal occupation										
Casual labor	45(52.9)	0.330	88(74.6)	0.753	19(16.1)	71(60.2)	28(23.7)	0.087	4(3.4)	0.108
No Employment	27(45)		65(71.4)		18(19.8)	45(49.5)	28(30.8)		7(7.7)	
Former work	32(41.6)		73(70.2)		10(9.6)	55(52.9)	39(37.5)		11(10.6)	
Mother education										
No Formal Education	55(51.4)	0.416	119(75.8)	0.245	26(16.6)	86(54.8)	45(28.7)	0.353	5(3.2)	0.004
Primary	32(43.2)		73(70.9)		14(13.6)	61(59.2)	28(27.2)		8(7.8)	
Secondary and higher	17(41.5)		34(64.2)		7(13.2)	24(45.3)	22(41.5)		9(17)	
Mother can read and write.										
No	25(67.6)	0.006	45(83.3)	0.045	12(22.2)	25(46.3)	17(31.5)	0.211	0(0)	0.019
Yes	79(42.7)		181(69.9)		35(13.5)	146(56.4)	78(30.1)		22(8.5)	
Marital status mother										
Living with partner	84(44.9)	0.184	186(71.8)	0.736	38(14.7)	145(56)	76(29.3)	0.570	19(7.3)	0.642
Living without partner	20(57.1)		40(74.1)		9(16.7)	26(48.1)	19(35.2)		3(5.6)	
Residence										
Rural	57(52.8)		101(75.9)		23(17.3)	78(58.6)	32(24.1)		4(3)	

Urban	47(41.2)	0.085	125(69.4)	0.205	24(13.3)	93(51.7)	63(35)	0.106	18(10)	0.023
Family size										
Less than 5	23(43.4)	0.564	46(68.7)		7(10.4)	35(52.2)	25(37.3)	0.268	7(10.4)	0.217
Five and more	81(47.9)		180(73.2)		40(16.3)	136(55.3)	70(28.5)		15(6.1)	
Number of children U-5										
Zero	35(44.9)	0.685	107(72.8)	0.465	19(12.9)	72(49)	56(38.1)	0.032	12(8.2)	0.759
One	56(49.6)		95(72.5)		25(19.1)	75(57.3)	31(23.7)		8	
More than one	13(41.9)		24(68.6)		3(8.6)	24(68.6)	8(22.9)		2(5.7)	
Any of the parents has										
No	96(47.3)	0.665	209(72.3)	0.831	45(15.6)	155(53.6)	89(30.8)	0.426	21(7.3)	0.713
Yes	8(42.1)		17(70.8)		2(8.3)	16(66.7)	6(25)		1(4.2)	
Child Age										
6-23 Months	20(47.6)	0.868	21(50)		9(21.4)	27(64.3)	6(14.3)		3(7.1)	0.604
24-59 Months	40(48.8)		59(72)	0.002	15(18.3)	42(51.2)	25(30.5)	0.000	7(8.5)	
6-12 years	44(44.9)		91(73.4)		20(16.1)	77(62.1)	27(21.8)		6(4.8)	
13-18 years	-		55(84.6)		3(4.6)	25(38.5)	37(56.9)		6(9.2)	
Sex										
Male	60(54.1)	0.031	118(74.7)	0.323	29(18.4)	80(50.6)	49(31)	0.187	7(4.4)	0.079
Female	44(39.6)		108(69.7)		18(11.6)	91(58.7)	46(29.7)		15(9.7)	
Child has both parents										
No	3(50.0)	0.875	14(70)	0.820	1(5)	7(35)	12(60)	0.010	1(5)	0.714
Yes	101(46.8)		212(72.4)		46(15.7)	164(56)	83(28.3)		21(7.2)	
Child lives with both parents										
No	21(61.8)	0.058	44(75.9)	0.491	6(10.3)	30(51.7)	22(37.9)	0.288	5(8.6)	0.599
Yes	83(44.1)		182(71.4)		41(16.1)	141(55.3)	73(28.6)		17(6.7)	
Diarrhoea in the last 2 weeks										
No	87(46)	0.560	201(73.6)	0.142	42(15.4)	143(52.4)	88(32.2)	0.097	20(7.3)	0.591
Yes	17(51.5)		25(62.5)		5(12.5)	28(70)	7(17.5)		2(5)	
Vomited in last 2 weeks										
No	89(48.6)	0.248	192(73.8)	0.151	41(15.8)	137(52.7)	82(31.5)	0.309	20(7.7)	0.392
Yes	15(38.5)		34(64.2)		6(11.3)	34(64.2)	13(24.5)		2(3.8)	

Fever in last 2 weeks										
No	65(40.6)	0.003	173(71.2)	0.457	33(13.6)	130(53.5)	80(32.9)	0.128	20(8.2)	0.183
Yes	39(62.9)		53(75.7)		14(20)	41(58.6)	15(21.4)		2(2.9)	
Any disease in the last 2 weeks										
No	55(41.7)	0.061	146(71.9)	0.879	27(13.3)	103(50.7)	73(36)	0.013	19(9.4)	0.035
Yes	49(54.4)		80(72.7)		20(18.2)	68(61.8)	22(20)		3(2.7)	
MDD										
Low dietary diversity	48(49.0)	0.571	59(71.1)	0.790	19(22.9)	42(50.6)	22(26.5)	0.062	6(7.2)	0.934
Minimum dietary diversity	56(45.2)		167(72.6)		28(12.2)	129(56.1)	73(31.7)		16(7)	

Table 2: Association between underweight, Stunting, wasting or Double burden and proposed factors. (*n*=313). For binary variables, only affirmative (“Yes”) responses are shown. “No” responses are implied. *Cross tabulation with *p*-value >0.05

Variables	COR [CI:95%]	P-value	AOR [CI:95%]	P-value
Underweight				
Fathers' occupation				
No employment	1		1	
Casual labor	0.49 [0.24-0.98]	0.044	0.38 [0.18-0.82]	0.014
Former work	0.47 [0.25-0.86]	0.015	0.61 [0.32-1.19]	0.150
A Husband has another				
No	1		1	
Yes	2.53 [1.08-5.92]	0.032	3.30 [1.26-8.62]	0.015
Mother read and write				
No	2.80 [1.32-5.90]	0.007	2.34 [1.01-5.40]	0.046
Yes	1		1	
Sex				
Female	1		1	
Male	1.79 [1.05-3.05]	0.032	1.63 [0.92-2.90]	0.095
Fever				
No	1		1	
Yes	2.48 [1.35-4.53]	0.003	1.74 [0.89-3.40]	0.106
Runny/blocked nose				
No	1		1	
Yes	2.06 [1.16-3.66]	0.014	1.87 [0.97-3.59]	0.060
Stunting				
Mother read write				
No	2.15 [1.00-4.62]	0.049	2.24 [1.02-4.92]	0.045
Yes				
Child Age				
24-59 Months	2.57 [1.18-5.56]	0.017	2.45 [1.12-5.35]	0.025
6-12 years	2.76 [1.34-5.69]	0.006	2.93 [1.41-6.10]	0.004
13-18 years	5.50 [2.22-13.60]	0.000	5.52 [2.21-13.74]	0.000

Table 3: Factors associated with Underweight and stunting. (n=313). *Binary logistic regression, COR with 95% CI, and p-value>0.05, multivariable logistic regression with backward technique. AOR with 95% CI, and p-value>0.05,

Wasting overweight	COR [CI:95%]	P-value	AOR [CI:95%]	P-value
Children U5				
Zero	1			
One	0.53 [0.33-0.85]	0.008	1.30 [0.69-2.46]	0.420
More than one	0.69 [0.34-1.38]	0.292	1.41 [0.68-2.92]	0.353
Child Age				
6-23 Months	0.15 [0.07-0.34]	0.000	0.24 [0.10-0.62]	0.003
24-59 Months	0.28 [0.15-0.55]	0.000	0.40 [0.18-0.90]	0.027
6-12 years	0.23 [0.12-0.42]	0.000	0.27 [0.14-0.50]	0.000
13-18 years	1			
Child has both parents				
No	3.77 [1.51-9.43]	0.004	2.30 [0.87-6.10]	0.095
Yes	1			
Experienced any disease				
No	1.89 [1.20-2.97]	0.006	1.57 [0.97-2.54]	0.067
Yes	1			

Table 4: Factors associated with Being thin and having Normal weight. ($n=313$). **Binary logistic regression, COR with 95% CI, and $p\text{-value}>0.05$, multivariable logistic regression with backward technique. AOR with 95% CI, and $p\text{-value}>0.05$*

Variables	COR [CI:95%]	P-value	AOR [CI:95%]	P-value
Mother education				
No formal education	1			
Primary	2.56 [0.81-8.06]	0.108		
Secondary and higher	6.22 [1.98-19.51]	0.002	3.89 [1.57-9.64]	0.003
Residence				
Urban	3.58 [1.18-10.85]	0.024		
Rural				
Experience any disease within				
No	3.68 [1.07-12.74]	0.039		
Yes				

Table 5: Factors associated with Double burden. **Binary logistic regression, COR with 95% CI, and $p\text{-value}>0.05$, multivariable logistic regression with backward technique. AOR with 95% CI, and $p\text{-value}>0.05$,*