Supplementary Materials- Full models

Table 5 Multi-level logistic regression analysis for child stunting and community-households- and individual-level factors.

Factor	Null model			Model 1			Model 2		
	aOR	95% CI	*p*-value	aOR	95% CI	*p*-value	aOR	95% CI	*p*-value
Individual Level									
Child's birth order									
First									
Second									
≥Third									
Sex of child									
Female									
Male									
Child's age									
0-5 months							1.00		
6-23 months							3.27	(1.57- 6.78)	<0.01
24-59 months							2.82	(1.40- 5.67)	<0.01
Ever breastfed									
No									
Yes									
Diarrhoea past 2 weeks									
No							1.00		
yes							0.51	(0.24- 1.08)	0.08
Household Level									
Wealth quintiles									
Lowest									
Second									

Third						
Fourth						
Highest						
No.Household members						
≤5						
>5						
Food Security						
Food Insecure						
Food Secure						
Drinking water source						
Improved						
Unimproved						
Toilet facility						
Improved	1.00			1.00		
Unimproved	1.68	(1.12- 2.50)	0.01	1.71	(1.14- 2.55)	0.01
Maternal education level						
Primary or lower						
Highschool or higher						
Paternal education level						
Primary or lower						
Highschool or higher						
Maternal BMI						
Underweight						
Normal						
Overweight						
Obese						
Maternal height						
≥ 155cm	1.00			1.00		

Factor						
≥150 & <155cm		1.45	(0.98- 2.15)	0.08	1.52	(1.02- 2.26)	0.04
<150cm		2.15	(1.19- 3.89)	0.01	2.23	(1.29- 4.35)	0.01
Maternal age at birth						
>40yrs						
30-39yrs						
20-29yrs						
<20yrs						
Village Assembly (MOR)	**1.59**	**1.53**			**1.55**	

Table 6 Multi-level logistic regression analysis for child wasting and community-households- and individual-level factors.

Factor	Null model			Model 1			Model 2		
Individual Level	OR	95% CI	*p*-value	aOR	95% CI	*p*-value	aOR	95% CI	*p*-value
Child's birth order									
First									
Second									
≥Third									
Sex of child									
Female							1.00		
Male							0.54	(0.25- 1.19)	0.13
Child's age									
0-5 months							1.00		
6-23 months							1.15	(0.36-3.72)	0.81
24-59 months							0.38	(0.11- 1.31)	0.13
Ever breastfed									
No									
Yes									

Diarrhoea past 2 weeks
No
yes
Household Level
Wealth quintiles
Lowest
Second
Third
Fourth
Highest
No.Household members
≤5
>5
Food Security
Food Insecure
Food Secure
Drinking water source
Improved
Unimproved
Toilet facility
Improved
Unimproved
Maternal education level
Primary or lower
Highschool or higher
Paternal education level
Primary or lower
Highschool or higher

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Factor	Null model	Model 1			Model 2		
Maternal BMI							
Underweight							
Normal							
Overweight							
Obese							
Maternal height							
≥ 155cm		1.00			1.00		
≥150 & <155cm		2.32	(1.08- 4.99)	0.05	2.17	(1.00- 4.74)	0.05
<150cm		0.46	(0.06- 3.67)	0.47	0.42	(0.05- 3.37)	0.41
Maternal age at birth							
>40yrs							
30-39yrs							
20-29yrs							
<20yrs							
Village Assembly (MOR)	**1.04**	**1.10**			**1.40**		

Table 7 Multi-level logistic regression analysis for child underweight and community-households- and individual-level factors.

Factor	Null model			Model 1			Model 2		
Individual Level	OR	95% CI	*p*-value	aOR	95% CI	*p*-value	aOR	95% CI	*p*-value
Child's birth order									
First							1.00		
Second							1.92	(1.09- 3.36)	0.02
≥Third							6.77	(2.00-22.82)	<0.01
Sex of child									
Female									
Male									
Child's age									

0-5 months				1.00		
6-23 months				4.83	(1.36- 17.24)	0.02
24-59 months				4.59	(1.29- 16.26)	0.02
Ever breastfed						
No						
Yes						
Diarrhoea past 2 weeks						
No						
yes						
Household Level						
Wealth quintiles						
Lowest						
Second						
Third						
Fourth						
Highest						
No.Household members						
≤5						
>5						
Food Security						
Food Insecure						
Food Secure						
Drinking water source						
Improved	1.00			1.00		
Unimproved	1.74	(1.06- 2.87)	0.03	1.97	(1.19- 3.29)	0.01
Toilet facility						
Improved	1.00			1.00		
Unimproved	1.98	(1.10- 3.56)	0.02	2.11	(1.16- 3.82)	0.01

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Maternal education level					
Primary or lower		1.00			
Highschool or higher		0.65 (0.36-1.17)	0.15		
Paternal education level					
Primary or lower					
Highschool or higher					
Maternal BMI					
Underweight					
Normal					
Overweight					
Obese					
Maternal height					
≥ 155cm		1.00		1.00	
≥150 & <155cm		1.51 (0.90- 2.53)	0.11	1.68 (0.99- 2.84)	0.06
<150cm		0.58 (0.22- 1.52)	0.27	0.49 (0.18- 1.34)	0.17
Maternal age at birth					
>40yrs		1.00		1.00	
30-39yrs		0.50 (0.15- 1.72)	0.27	0.41 (0.12- 1.43)	0.16
20-29yrs		0.62 (0.19- 2.02)	0.43	0.51 (0.15- 1.68)	0.27
<20yrs		1.41 (0.37- 5.32)	0.62	1.52 (0.40- 5.86)	0.54
Village Assembly (MOR)	**1.27**	**1.36**		**1.34**	