

Table 1: Socio-demographic characteristics of early adolescent school girls, Gondar town, Northwest Ethiopia, 2016

Variable/category	Number	Percentage
Age of the study participants		
10	38	5.7
11	73	11.0
12	112	16.9
13	166	25.1
14	273	41.2
Religion		
Orthodox	545	82.3
Muslim	69	10.4
Protestant	45	6.8
Catholic	3	0.5
Grade of students		
Grade 5	178	26.9
Grade 6	173	26.1
Grade 7	182	27.5
Grade 8	129	19.5
Mother education status		
Read & write	244	36.9
Illiterate	148	22.4
Diploma	162	24.5
Degree and above	108	16.3
Father Educational status		
Read & write	221	33.4
Illiterate	68	10.3
Diploma	175	26.4
Degree and above	198	29.9
Father occupation		

Farmer	89	13.4
Craft men	121	18.3
Merchant	154	23.3
Gov't employ	292	44.1
Daily laborer and private servants	6	0.9
Mother occupation		
Housewife	292	44.3
Government employee	242	36.6
Merchant	82	12.4
Daily laborer and private servants	45	6.8
Parents alive		
Both alive	481	72.7
Mother alive	104	15.7
Father alive	44	6.6
Both dead	33	5.0
Currently live with		
Both parents	384	58
One of their parent	278	42
Family size		
Less than five	274	41.4
Five and above	388	58.6

Table 2: Nutrition and health related characteristics of early adolescent school girls, Gondar town, North West Ethiopia, 2016

Variable/category	Number	Percentage
Consume meat		
Eat \leq 1 per week	458	69.2
Eat $>$ 1 per week	204	30.8
Consume milk		
\leq 1 in week	529	79.9
$>$ 1 a week	529	79.9
Meal frequency		
\leq 3 meals/day	260	39.3
$>$ 3 meals/day	402	60.7
Eat snack		
Yes	247	37.3
No	415	62.7
Missed meal frequency		
Yes	247	37.3
No	415	62.7
Usual food type ingredient		
Teff (Ethiopian staple food)	563	85.0
Wheat	51	7.7
Other (maize, rice, barley)	48	7.3
HH food security status		
Secured	340	51.4
In secured	322	48.6
Water source		
Pipe water	628	94.9
River water	34	5.1
Bed net use		
Yes	260	39.3

No	402	60.7
History of diarrheal disease		
Yes	129	19.5
No	533	80.5
Have information about food types		
Yes	471	71.1
No	191	28.9
Hand was after toilet		
Yes	601	90.8
No	61	9.2

Table 3: Bi-variable and multivariable Logistic regression analysis on Factors associated with stunting among early adolescent school girls in Gondar town, North West Ethiopia, 2016

Variables	Stunting		Odds ratio	
	Yes	No	COR	AOR
	N (%)	N (%)	(95%CI)	(95%CI)
Educational status of mother				
Read & write	80 (34.0%)	155 (66.0%)	2.26(1.30-3.97)	0.69(0.42-1.12)
Unable to read & write	51 (35.4%)	93 (64.6%)	2.40(1.31-4.40)	0.59(0.35-1.01)
Diploma	32(17.7%)	149 (82.3%)	0.94(0.50-1.80)	0.55(0.30-1.04)
≥Degree	19(18.6%)	83 (81.4%)	1	1
Grade of students				
Grade 5	65(36.5%)	113(63.5%)	1.80(1.25-2.61)	1.90(1.13-3.20)*
Grade6	37 (21.4%)	136 (78.6%)	0.65(0.43-0.97)	1.32(0.72-2.44)
Grade7	54(29.7%)	128(70.3%)	0.61(0.38-0.98)	1.27(0.68-2.56)
Grade8	26 (20.2%)	103 (79.8%)	1	1
Mother employment status				
House wife	116 (39.6%)	177 (60.4%)	1	1
Gov't employ	40(16.5%)	202(83.5%)	0.30(0.20-0.46)	0.43(0.28-0.67)*
Merchant	16(19.5%)	66(80.5%)	0.37(0.20-0.67)	0.48(0.26-0.89)*
Other ^a	10(22.2%)	35(77.8%)	0.43(0.21-0.91)	0.40(0.18-0.87)*
Eating frequency/day				
≤ 3 per day	111(42.7%)	149 (57.3%)	3.47(2.43-4.95)	2.37(1.60-3.50)*
> 3 per day	71(17.7%)	331(82.3%)	1	1
HH food security				
Food secure	53(15.6%)	287(84.4%)	1	1
Food insecure	129(40.1%)	193 (59.9%)	3.62(2.51-5.23)	2.52(1.70-3.73)*
Family size				
<5	74(27.0%)	200(73.0%)	1	1

≥5	108(27.8)	280(72.2%)	0.14(0.74-1.46)	0.90(0.61-1.32)
Source of water				
Pipe water	171(27.2%)	457(72.8%)	1	1
River water	11(32.4%)	23(67.6%)	1.30(0.61-2.70)	1.32(0.57-3.12)
Live with				
Both mother & father	98(25.5%)	286(74.5%)	1	1
With father only	46(29.1%)	112(70.9%)	1.15(0.57-2.20)	0.88(0.37-2.11)
With mother only	13(27.7%)	34(72.3%)	0.20(0.79-1.81)	1.10(0.60-1.84)
Others ^b	25(34.2%)	48(65.8%)	1.52(0.89-2.59)	1.20(0.63-2.27)
Alive parents				
Both mother & father	128(26.6%)	353(73.4%)	1	1
One of their parents alive	54(29.8%)	127(70.2%)	1.20(0.80-1.71)	0.91(0.58-1.40)

*Statistical significant (p value<0.05), other^a - Daily laborer and private servants, ^bothers -sister, brother, aunt, uncle,