

Table 5: Multivariate associations of the levels of adherence to ART among study participants in Tigray regional state, northern Ethiopia, 2012

Characteristics of study participants	Status of adherence to ART Non-adherent to ART Number (%)	Adherent to ART Number (%)	COR (95%CI)	AOR (95%CI)
Mean BMI of latest four visits (Kg/m²)				
<18.5	74(42.5)	14(8)	7.7(3.8 – 15.4)	10.0(4.3 – 54.7)
≥18.5	100(57.5)	160(92)	r	r
Unable to get enough and/or quality food				
Yes	119(68.4)	80(46)	2.6(1.6 – 4.2)	2.1(1.1 – 11.5)
No	55(31.6)	94(54)	r	r
Consumption pattern of last 24 hours				
Three meals & above	124(71.3)	163(93.7)	r	r
Less than three meals	50(28.7)	11(6.3)	8.8(3.5 – 22.2)	10.9(1.3 – 81.4)
Mean CD₄ count of latest four visits (cells/mm³)				
<350	118(67.8)	25(15.5)	8.6(4.7 – 15.6)	18.3(6.7 – 102.7)
≥350	56(32.2)	147(84.5)	r	r
Appétit in last 7 days				
Good	89(51.1)	135(77.6)	r	r
Poor	85(48.9)	39(22.4)	3.6(2.1 – 6.0)	2.0(0.7 – 6.0)
I could not afford to eat balanced meals				
Yes	160(92)	136(78.1)	2.7(1.5 – 5.0)	2.0(0.5 – 11.9)
No	14(8)	38(21.9)	r	r
Education				

No education	31(17.8)	37(21.3)	4.5(2.0 – 10.3)	5.6(0.7 – 42.9)
Elementary (1 - 8)	94(54)	58(33.3)	2.3(1.0 – 5.6)	1.9(0.2 – 14.9)
Secondary (9 - 12)	38(21.8)	49(28.2)	2.6(1.1 – 6.2)	0.6(0.1 – 4.2)
12+	11(6.4)	30(17.2)	r	r
Average Monthly income (Ethio. Birr)				
• no income	25(14.4)	26(14.9)	2.6(1.4 – 4.6)	1.4(0.4 – 5.9)
• ≤ 500	94(54)	65(37.4)	1.3(0.6 – 2.6)	1.0(0.2 – 6.6)
• 501-999	24(13.8)	31(17.8)	1.7(0.8 – 3.6)	3.0(0.6 – 19.1)
• ≥ 1000	31(17.8)	52(29.9)	r	r
Distance to hospital (Km)				
≤10	112(64.4)	130(74.7)	r	r
>10	62(35.6)	44(25.3)	1.6(1.0 – 2.6)	1.9(0.8 – 10.3)

N.B:- BMI=Body Mass Index, CD₄=Cluster of Differentiation 4

r:- reference