

Table 4: Bivariate associations of the levels of adherence to ART with behavioral, clinical, food & diet related factors among study participants in Tigray regional state, northern Ethiopia, 2012

Characteristics of study participants	Status of adherence to ART		COR (95%CI)
	Non-adherent to ART Number (%)	Adherent to ART Number (%)	
Daily eating pattern of last 12 months			
Three meals & above	21(12.1)	17(9.8)	1
Two meals & eating between meals	136(78.2)	140(80.5)	0.8(0.4 – 1.6)
Two meals or less	17(9.8)	17(9.8)	0.8(0.3 – 2.3)
Source of food in the last 12 months			
Purchase (market/grocery)	148(85.1)	144(82.8)	1
Household farm/garden	11(6.3)	15(8.6)	0.7(0.3 – 1.6)
Support from others	15(8.6)	15(8.6)	0.9(0.4 – 2.2)
Adjusted mean HGB of the latest four visits (mg/dl)			
<11.5	29(16.7)	3(1.7)	14(3.3 – 58.8)
≥11.5	145(83.3)	171(98.3)	1
Mean TLC of the latest four visits (10 ⁶ cells/mm ³)			
<4.0	28(16.1)	11(6.3)	2.7(1.3 – 5.60)
≥4.0	146(83.9)	163(93.7)	1
Occupation			
• Have no Job	26(14.9)	44(25.3)	1
• Government employed	42(24.1)	46(26.4)	1.6(0.8 – 3.2)
• Self employed/business	54(31)	36(20.7)	2.7(1.3 – 5.3)
• Daily laborer	52(29.9)	48(27.6)	1.8(1.0 – 3.4)

Duration of treatment (months)			
12 – 36	33(19)	28(16.1)	1
37 – 60	72(41.4)	93(53.5)	0.6(0.4 – 1.2)
≥61	69(39.6)	53(30.4)	1.1(0.6 – 2.0)
Current alcohol consumption (within 30 days)			
Yes	73(42)	11(6.3)	13.4(5.4 – 33.2)
No	101(58)	163(93.7)	1
Ever use of alcohol after starting ART			
Yes	140(80.5)	89(51.1)	4.9(2.7 – 8.9)
No	34(19.5)	85(48.9)	1
PHQ-9 score for depression (Points)			
<5	53(30.5)	115(66.1)	1
≥5	121(69.5)	59(33.9)	5.1(3.0 – 8.9)
Current khat chewing (within 30 days)			
Yes	17(9.8)	7(4)	2.4(1.0 – 5.9)
No	157(90.2)	167(96)	1

N.B:- TLC=Total Leukocyte Count, HGB=hemoglobin NGO=Non-Government Organization, PHQ=Patient Health Questionnaire