

Supplemental File 2. Multivariable cox-proportional analysis of predictors of attrition among HIV-infected adolescents receiving ART in public hospitals, South Ethiopia, 2024

Variables	Categories	Attrition status		Incidence		CHR (95% CI)	AHR (95% CI)	P-value
		Yes (Event)	No (Censored)	rate per 100 PYO (95% CI)				
Age (in years)	10-14	33 (15.6)	178 (84.4)	2.6 (1.8, 3.7)	1		1	
	15-19	41 (20.7)	157 (79.3)	4.3 (3.2, 5.8)	1.60 2.53)	(1.01, 1.88 3.18)	(1.12, 0.018	
Parent status	Both alive	27 (13.5)	173 (86.5)	2.5 (1.7, 3.6)	1		1	
	Either died	37 (23.1)	123 (76.9)	4.5 (3.3, 6.2)	1.81 2.98)	(1.10, 2.07 3.52)	(1.22, 0.007	
	Both died	10 (20.4)	39 (79.6)	3.3 (1.8, 6.1)	1.37 2.84)	(0.66, 2.19 4.61)	(1.04, 0.040	
Marital status	Single	61 (17.3)	291 (82.7)	3.1 (2.4, 3.9)	1		1	
	Married	8 (19.5)	33 (80.5)	4.7 (2.4, 9.4)	1.45 3.03)	(0.69, 0.75 1.67)	(0.34, 0.479	

Educational status	Divorced	5 (31.2)	11 (68.8)	8.2 (3.4, 19.7)	2.55 6.37)	(1.02, 0.79 2.14)	(0.29, 0.648
	No formal education	25 (32.5)	52 (67.5)	8.4 (5.7, 12.4)	4.94 9.76)	(2.50, 3.16 6.77)	(1.48, 0.003
	Primary	36 (17.5)	170 (82.5)	3.3 (2.4, 4.6)	2.09 3.95)	(1.11, 2.47 4.89)	(1.25, 0.009
	Secondary and above	13 (10.3)	113 (89.7)	1.5 (0.9, 2.7)	1	1	
Occupational status	Student	37 (13.1)	245 (86.9)	2.2 (1.6, 3.0)	1	1	
	Daily laborer	5 (13.2)	33 (86.8)	2.5 (1.1, 6.1)	1.14 2.89)	(0.45, 1.00 2.95)	(0.34, 0.995
	No work/child	20 (40.8)	29 (59.2)	11.5 (7.4, 17.8)	4.50 7.83)	(2.59, 1.48 3.51)	(0.62, 0.374
	Other *	12 (30.0)	28 (70.0)	7.2 (4.1, 12.7)	3.11 5.98)	(1.62, 1.45 3.47)	(0.61, 0.403
Entry mode	VCT	16 (20.8)	61 (79.2)	3.7 (2.3, 6.0)	1	1	
	Medical referral	47 (18.6)	206 (81.4)	3.6 (2.7, 4.8)	0.98 1.73)	(0.55, 0.84 1.52)	(0.46, 0.555

	Other **	11 (13.9)	68 (86.1)	2.2 (1.2, 4.1)	0.63 1.35)	(0.29, 0.55 1.24)	(0.24, 0.147
CPT prophylaxis	Yes	37 (16.3)	190 (83.7)	2.7 (1.9, 3.5)	1	1	
	No	37 (20.3)	145 (79.7)	4.7 (3.4, 6.5)	1.74 2.77)	(1.09, 1.73 2.91)	(1.03, 0.038
ART regimen	TDF+3TC+EFV	6 (10.0)	54 (90.0)	1.8 (0.8, 4.0)	0.29 0.86)	(0.10, 0.89 3.11)	(0.25, 0.856
	AZT+3TC+NVP	32 (20.4)	125 (79.6)	3.0 (2.1, 4.2)	0.47 1.08)	(0.20, 0.65 1.73)	(0.25, 0.391
	TDF+3TC+DTG	18 (26.1)	51 (73.9)	13.6 (8.6, 21.6)	1.63 3.91)	(0.68, 1.62 4.94)	(0.53, 0.398
	ABC+3TC+DTG	7 (20.6)	27 (79.4)	7.3 (3.5, 15.3)	1	1	
	AZT+3TC+EFV	6 (26.1)	17 (73.9)	4.2 (1.9, 9.3)	0.66 1.98)	(0.22, 0.96 3.36)	(0.27, 0.949
	Other***	5 (7.6)	61 (92.4)	1.1 (0.5, 2.7)	0.17 0.55)	(0.05, 0.44 1.58)	(0.12, 0.208
Regimen change	Yes	31 (11.7)	234 (88.3)	1.7 (1.2, 2.4)	1	1	

	No	43 (29.9)	101 (70.1)	11.1 (8.3, 15.0)	6.04 (3.70, 9.86)	6.16 (3.56, 10.66)	<0.001
Disclosure of HIV status	Yes	41 (15.5)	224 (84.5)	2.8 (2.1, 3.8)	1	1	
	No	33 (22.9)	111 (77.1)	4.3 (3.1, 6.1)	1.53 (0.97, 2.43)	1.58 (0.95, 2.62)	0.075
Adherence	Good	39 (11.8)	292 (88.2)	2.1 (1.5, 2.9)	1	1	
	Fair	9 (30.0)	21 (70.0)	5.4 (2.9, 10.5)	2.52 (1.22, 5.22)	5.16 (2.35, 11.32)	<0.001
	Poor	26 (54.2)	22 (45.8)	12.6 (8.6, 18.5)	5.60 (3.40, 9.21)	6.02 (3.52, 10.29)	<0.001

Notes; *Other: merchant, housewife, farmer; **Other: Dried Blood Spots, index case testing, and self-referral ***Other: ABC+3TC+EFV, ABC+3TC+LPV/r, TDF+3TC+ATV/r,