

Supplementary Tables**Supplementary Table 1.** Cumulative incidence (95% CI) of mortality and loss to follow-up by 6 months on ART

Year of ART start	Mortality*	LTFU**
Overall	5.0% (4.1, 6.2)	20.8% (18.9, 22.8)
2006-2009	8.0% (5.8, 10.7)	22.9% (19.3, 26.8)
2010-2012	4.1% (2.6, 6.1)	19.5% (16.2, 22.9)
2013-2017	3.6% (2.4, 5.2)	20.4% (17.4, 23.5)

*Estimates accounting for LTFU and TFO as competing risks; **Estimates of LTFU occurring before mortality and TFO.

Supplementary Table 2. Factors associated with no follow-up and LTFU after a subsequent visit on ART using imputed dataset (n=1692)

	No follow-up		Lost after subsequent visit	
	Crude	Adjusted	Crude	Adjusted
Age in weeks	0.98 (0.75-1.28)	0.96 (0.70-1.31)	0.80 (0.52-1.24)	0.79 (0.47-1.33)
Female	0.91 (0.71-1.17)	0.91 (0.71-1.17)	0.82 (0.54-1.23)	0.80 (0.53-1.21)
ART initiation year				
2006-2009	Ref			
2010-2012	0.78 (0.57-1.06)	0.50 (0.35-0.70)	0.76 (0.43-1.35)	0.68 (0.36-1.29)
2013-2017	0.69 (0.51-0.92)	0.36 (0.25-0.51)	1.20 (0.73-1.96)	0.91 (0.47-1.75)
WHO disease stage				
I/II	Ref			
III/IV	0.89 (0.67-1.18)	0.95 (0.68-1.34)	0.80 (0.46-1.41)	0.84 (0.42-1.66)
CD4 percentage	0.99 (0.98-1.00)	1.00 (0.99-1.01)	1.00 (0.98-1.01)	0.99 (0.98-1.01)
WAZ				
>-2	Ref			
≤-2	0.94 (0.65-1.34)	0.97 (0.68-1.39)	0.91 (0.54-1.53)	0.91 (0.53-1.56)
Log viral load	0.97 (0.85-1.11)	1.01 (0.89-1.15)	1.2 (0.79-1.98)	1.06 (0.80-1.45)
PMTCT exposure				
No	Ref			
Yes	0.49 (0.35-0.67)	0.93 (0.56-1.54)	0.88 (0.57-1.36)	0.87 (0.47-1.58)
Unknown	0.99 (0.72-1.35)	2.4 (1.32-4.59)	0.38 (0.17-0.83)	1.02 (0.32-3.21)

CI, confidence interval; HR, hazard ratio; WAZ, weight-for-age z-score; WHO

*Status of infant exposure to maternal or infant PMTCT

Supplementary Table 3: Factors associated with mortality and loss to follow-up: complete case analysis (n=439)

	Mortality		Loss to follow-up	
	Crude HR (95% CI)	Adjusted HR (95% CI)	Crude HR (95% CI)	Adjusted HR (95% CI)
Age in weeks	1.47 (0.89-2.45)	1.06 (0.41-2.75)	0.93 (0.74-1.17)	0.90 (0.30-2.67)
Female	0.68 (0.44-1.02)	0.80 (0.44-1.45)	0.89 (0.72-1.09)	0.39 (0.18-0.81)
ART initiation year				
2006-2009	Ref			
2010-2012	0.47 (0.27-0.79)	0.63 (0.28-1.40)	0.77 (0.59-1.01)	0.50 (0.19-1.30)
2013-2016	0.46 (0.28-0.75)	0.85 (0.35-2.06)	0.80 (0.62-1.03)	1.23 (0.44-3.74)
WHO disease stage				
I/II	Ref			
III/IV	2.05 (1.23-3.40)	1.01 (0.47-2.15)	0.67 (0.51-0.88)	1.19 (0.47-2.99)
CD4 percentage		0.98 (0.96-1.01)		1.01 (0.98-1.03)
WAZ				
>-2	Ref			
≤-2	2.6 (1.48-4.60)	1.89 (0.84-3.90)	0.92 (0.59-1.43)	0.44 (0.20-0.97)
Log viral load	1.24 (0.99-1.55)	1.09 (0.75-1.59)	1.03 (0.88-1.22)	1.19 (0.82-1.73)
PMTCT exposure*				
No	Ref			
Yes	1.17 (0.74-1.85)	1.17 (0.59-2.32)	0.59 (0.46-0.77)	0.63 (0.26-1.54)
Unknown	1.10 (0.62-1.97)	2.28 (0.79-6.43)	0.83 (0.62-1.11)	2.16 (0.0-1.00)

CI, confidence interval; HR, hazard ratio; WAZ, weight-for-age z-score; WHO

*Status of infant exposure to maternal or infant PMTCT