

Table S1. Frequency of missing data for each data element

	Paper record		KenyaEMR	
	Baseline	Follow-up	Baseline	Follow-up
	n (%)	n (%)	n (%)	n (%)
	N=2369	N=2355	N=2369	N=2355
Mandatory data elements				
Patient ID*	30 (1)	45 (2)	134 (6)	1 (0)
Sex*	41 (2)	295 (13)	127 (5)	0 (0)
Date of birth*	206 (9)	359 (15)	133 (6)	0 (0)
Enrollment date*	230 (10)	405 (17)	238 (10)	0 (0)
Enrollment program*	24 (1)	156 (7)	174 (7)	0 (0)
Entry point*	285 (12)	468 (20)	329 (14)	165 (7)
Last visit date*	162 (7)	313 (13)	216 (9)	1 (0)
Next visit date*	159 (7)	456 (19)	324 (14)	184 (8)
Number of clinic visits*	51 (2)	124 (5)	249 (11)	1 (0)
1 st CD4 count	720 (30)	809 (34)	1027 (43)	670 (28)
1 st CD4 date	1098 (46)	836 (35)	1251 (53)	670 (28)
Last CD4 count	691 (29)	887 (38)	742 (31)	670 (28)
Last CD4 date	1172 (49)	889 (38)	1236 (52)	670 (28)
1 st WHO stage	451 (19)	561 (24)	894 (38)	322 (14)
1 st WHO date	968 (41)	578 (25)	1183 (50)	308 (13)
Last WHO stage	536 (23)	553 (23)	497 (21)	314 (13)
Last WHO date	1016 (43)	551 (23)	1000 (42)	302 (13)
Last CTX date	237 (10)	350 (15)	295 (12)	160 (7)
Non-mandatory data elements				
ART start date	752 (32)	876 (37)	789 (33)	732 (31)
ART regimen	623 (26)	806 (34)	789 (33)	738 (31)
Weight (at ART initiation)	975 (41)	1157 (49)	1434 (61)	1749 (74)
Transfer in date	2026 (86)	2092 (89)	2221 (94)	2032 (86)
Transfer out date	2255 (95)	2210 (94)	2247 (95)	2249 (95)
Death date	2333 (98)	2283 (97)	2241 (95)	2237 (95)

* The nine data elements that should have been completed for all individuals, regardless of clinical practice. The proportion of records with a missing value for any of the nine data elements was assessed.