

Data abstraction tool

Participant identification number (ID):

Data collector's identification (initials):

Date of collection (dd/mm/yyyy):

S/n	Variable	Option (s)	Response
Sociodemographic factors			
1.	Date of birth (dd/mm/yyyy)	_____	
2.	Sex	1. Male 2. Female	
3.	Marital status	1. Married 2. Single 3. Widowed 4. Separated/ Divorced	
4.	Highest level of education attained	1. No formal education 2. Primary education 3. Secondary education 4. Tertiary education	
5.	Religion	1. Catholics 2. Anglicans 3. Pentecostals 4. Moslems 5. Others (Specify)	

Clinical factors at switch to third-line ART			
6.	Baseline CD4 count	_____ cells/mm ³	
9.	Baseline VL	_____ copies/mL	
10.	Baseline WHO clinical stage	1. Stage I 2. Stage II 3. Stage III 4. Stage IV	
11.	Baseline weight	_____ kg	
12.	Functional status	1. Working/ ambulatory 2. Bedridden	
13.	Active TB status at baseline	1. Absent 2. Present	
14.	Other opportunistic infection status at baseline	1. Absent 2. Present (specify) _____	
Treatment-related factors			
15.	Initial ART regimen	1. NNRTI-based regimen 2. PI-based regimen 3. INSTI-based regimen 4. Others (specify) _____	
16.	Date of initiation of first-line ART	_____	

	(dd/mm/yyyy)		
17.	Date of switch to second-line ART (dd/mm/yyyy)	_____	
18.	Date of switch to third-line ART (dd/mm/yyyy)	_____	
19.	Third-line ART regimen initiated	_____	
20.	ART adherence level at baseline	1. Good ($\geq 95\%$) 2. Fair (85–94%) 3. Poor ($< 85\%$)	
21.	Cotrimoxazole preventive therapy (CPT)	1. No 2. Yes	
22.	Tuberculosis preventive therapy (TPT)	1. No 2. Yes	
23.	On TB treatment at switch to third-line ART	1. No 2. Yes	
24.	Has relevant NRTI drug resistance mutations (DRMs)	1. No 2. Yes (specify) _____	
25.	Has relevant NNRTI DRMs	1. No 2. Yes (specify) _____	
26.	Has relevant PI DRMs	1. No 2. Yes (specify) _____	

27.	Has relevant INSTI DRMs	1. No 2. Yes (specify) _____	
28.	DRV resistance	1. Susceptible/low-level resistance 2. Intermediate/ high-level resistance	
Behavioral factors			
29.	Cigarette smoking	1. Yes 2. No	
30.	Alcohol drinking	1. Yes 2. No	
Virologic outcome			
	Date of VL test post switch to third-line ART (dd/mm/yyyy)	VL levels	
31.		_____ copies/mL	
32.		_____ copies/mL	
33.		_____ copies/mL	
34.		_____ copies/mL	
35.		_____ copies/mL	
36.		_____ copies/mL	
37.		_____ copies/mL	
38.		_____ copies/mL	

39.		_____copies/mL	
40.		_____copies/mL	