

Table S1: Outcomes of 390,603 HIV-infected patients enrolled in HIV care using the Comprehensive HIV Cascade

Outcome category	Outcome	Overall (N = 390,603)			Kenya (N = 101,938)			Mozambique (N = 201,503)			Rwanda (N = 32,105)			Tanzania (N = 55,057)		
		3M	6M	12M	3M	6M	12M	3M	6M	12M	3M	6M	12M	3M	6M	12M
Optimal Outcomes	Retained pre-ART, ART ineligible	30.4%	22.6%	16.6%	29.4%	23.6%	17.3%	27.1%	18.1%	12.7%	54.6%	47.5%	38.2%	30.0%	22.8%	17.0%
	Initiated ART	26.3%	5.3%	4.9%	26.1%	5.5%	5.7%	25.1%	5.2%	4.3%	30.5%	4.7%	6.1%	28.9%	5.3%	4.8%
	Retained on ART		20.3%	22.1%		21.2%	23.4%		18.7%	20.3%		27.0%	28.8%		20.7%	22.2%
	Transfer out	1.4%	3.1%	5.1%	2.0%	3.9%	5.9%	0.8%	2.0%	3.5%	2.3%	5.1%	9.4%	2.2%	4.8%	7.1%
	Total	58.1%	51.3%	48.7%	57.6%	54.1%	52.4%	52.9%	44.0%	40.8%	87.4%	84.3%	82.6%	61.2%	53.7%	51.1%
Sub-Optimal Outcomes	Retained pre-ART, ART eligible	12.9%	6.9%	4.7%	10.8%	6.3%	4.4%	15.2%	7.5%	5.1%	5.4%	3.7%	2.3%	12.5%	7.7%	5.4%
	Retained pre-ART, undocumented/indeterminate eligibility	8.7%	4.7%	2.6%	10.3%	6.2%	3.4%	9.3%	4.6%	2.5%	2.7%	1.8%	1.0%	7.0%	4.0%	2.3%
	Total	21.6%	11.6%	7.3%	21.1%	12.6%	7.8%	24.5%	12.2%	7.6%	8.1%	5.5%	3.3%	19.5%	11.6%	7.7%
Poor Outcomes	Death (pre-ART)	1.3%	1.6%	1.8%	1.8%	2.2%	2.5%	0.7%	0.9%	1.0%	1.2%	1.5%	2.0%	2.5%	3.0%	3.4%
	LTF (pre-ART)	19.0%	30.6%	34.8%	19.5%	27.3%	31.3%	21.8%	37.4%	42.4%	3.4%	6.6%	8.8%	16.8%	25.3%	28.9%
	Death (ART)		1.1%	1.6%		0.8%	1.2%		0.8%	1.2%		1.4%	1.9%		2.5%	3.3%
	LTF (ART)		3.8%	5.8%		3.0%	4.9%		4.7%	7.0%		0.8%	1.4%		3.9%	5.6%
	Total	20.3%	37.1%	44.0%	21.3%	33.4%	39.9%	22.5%	43.9%	51.6%	4.6%	10.3%	14.1%	19.3%	34.7%	41.3%

Table S2: ART eligibility criteria

a. For Patients enrolling between 2005 and 2009*

WHO Stage	CD4 + count			
	< 200	200-350	>350	Missing
I, II	Eligible	Ineligible	Ineligible	Ineligible
III	Eligible	Eligible	Ineligible	Unknown
IV	Eligible	Eligible	Eligible	Eligible
Missing	Eligible	Unknown	Ineligible	Unknown

b. For Patients enrolling between 2010* and 2011

WHO Stage	CD4 + count			
	< 200	200-350	>350	Missing
I, II	Eligible	Eligible	Ineligible	Ineligible
III	Eligible	Eligible	Eligible	Eligible
IV	Eligible	Eligible	Eligible	Eligible
Missing	Eligible	Eligible	Ineligible	Unknown

*exact cutoffs for change in guidelines may be subject to change based on in-country input