



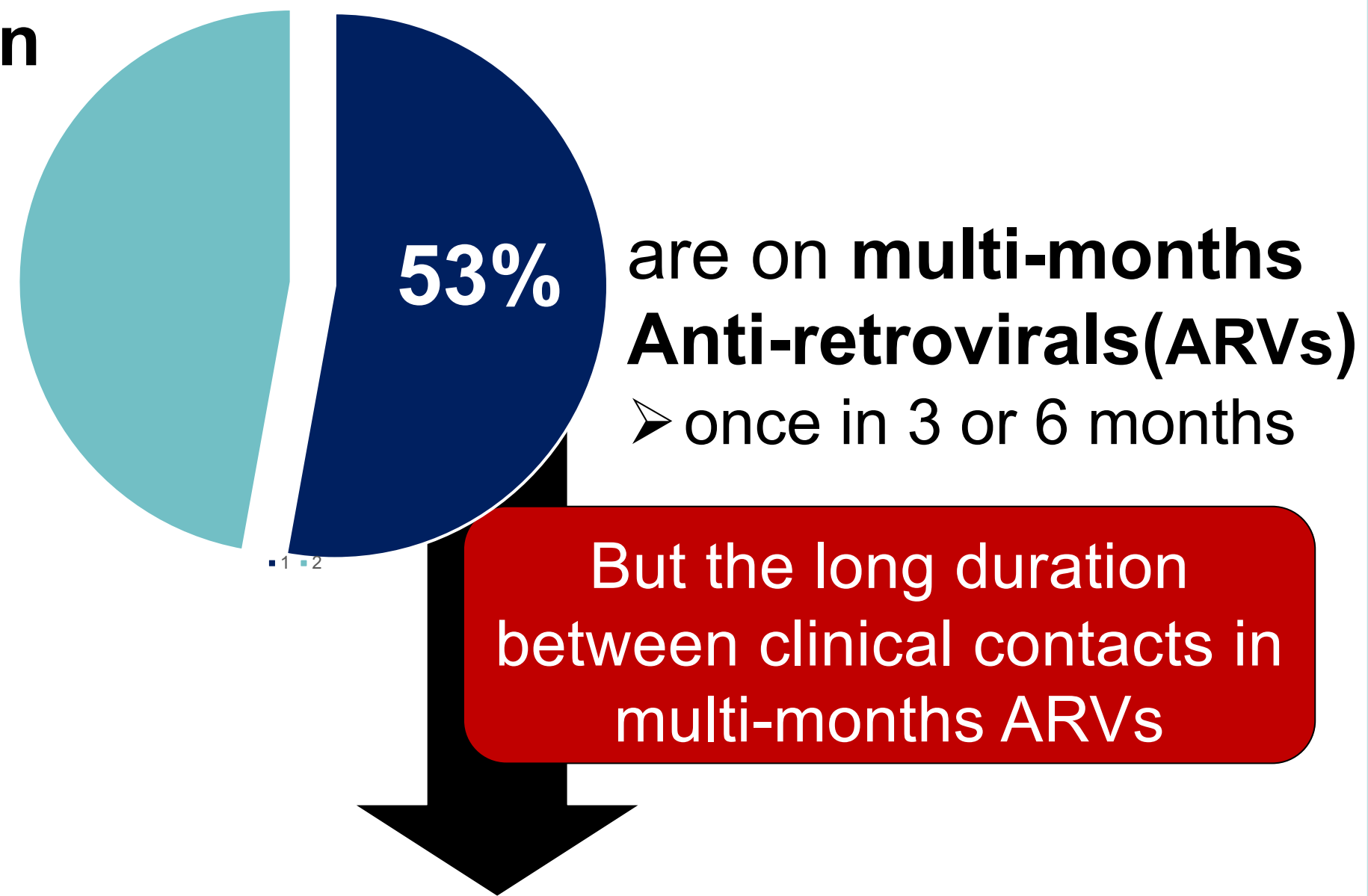
Virological outcomes of children and adolescents on multi months antiretroviral drug refills in Tanzania

Samatta T¹, Lyatuu G¹, Ngoda G¹, Chisonjela F¹, Simwinda A¹, Temba D¹, Mwakisambwe J¹, Machumi L¹, Sando D¹, Msalale G², Kibaba F², Pagali P², Kibao A²

¹Management and Development for Health ²Regional Administrative Secretaries of Tabora, Geita, Kagera and Dar es Salaam

Background

1.5M people on HIV treatment in Tanzania



AIM: We evaluated virological outcomes of children and adolescents with HIV on multi-months ARVs

Methods

• **Participants:** Children & Adolescents

7,782 Eligible

- aged 5-19 years across 4 regions
- on multi-months ARVs Apr-Jun 2021
- <50 viral copies/mL at baseline

• **Outcome:** Viral outcomes at 1 year

- Virologic failure: ≥1000 copies/mL
- Detectable viral load: ≥50 copies/mL

2,003 excluded due to lack of a viral load test at 1 year follow-up

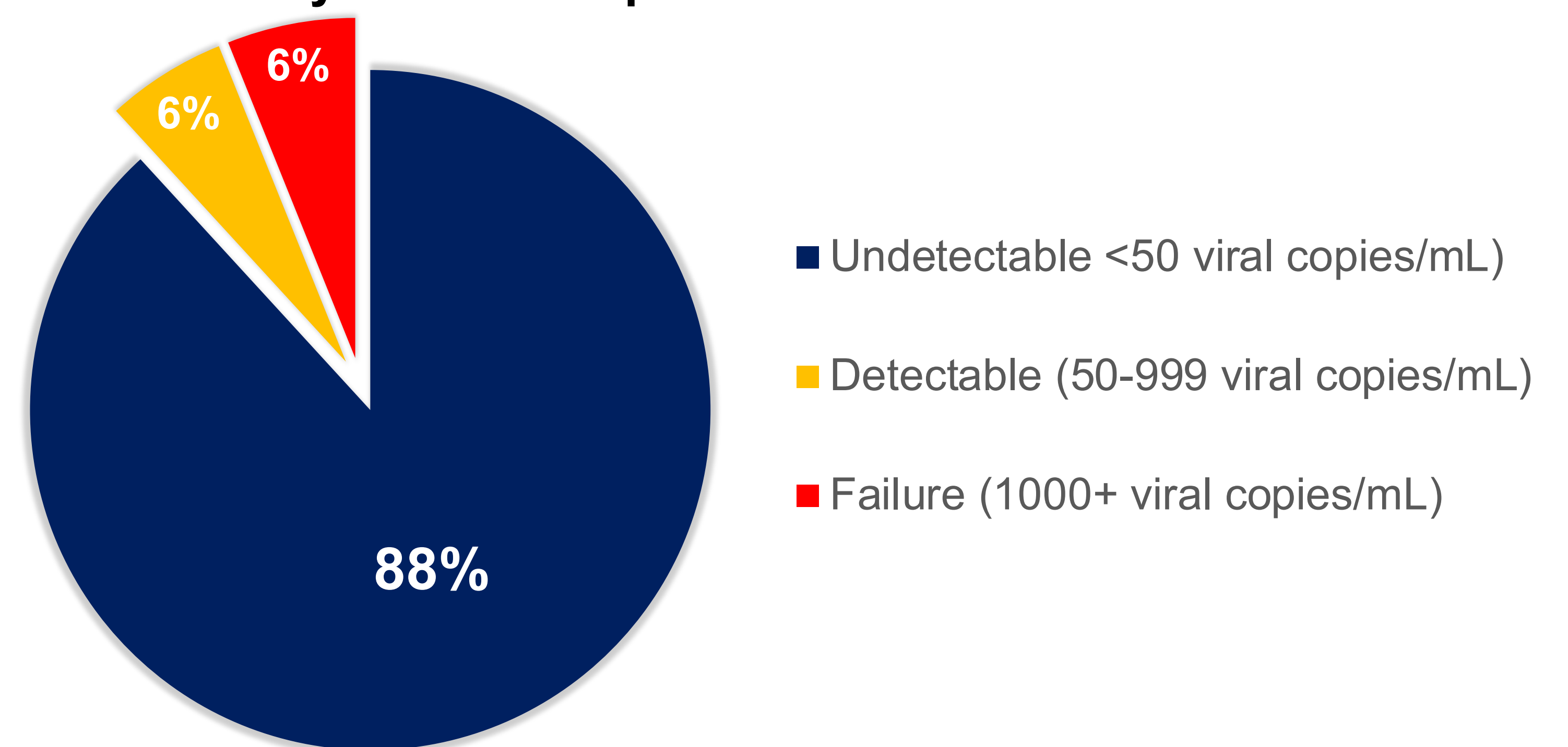
5,779 (74%) analyzed

Results

Baseline characteristics

Sex	Number	Percent	Age	Number	Percent
Female	3,060	53%	5-9	1,610	28%
Male	2,719	47%	10-14	2,146	37%
			15-19	2,023	35%

Viral Outcomes at 1 year follow-up



Viral Outcomes at 1 year follow-up by age and sex

		Viral Copies/ mL n (%)		
		<50	50-999	1000 +
Sex	Female	2,713 (89%)	162 (5%)	185 (6%)
	Male	2,384 (88%)	168 (6%)	167 (6%)
	Total	5,097 (88%)	330 (6%)	352 (6%)
Age(yrs)	5-9	1,411 (88%)	110 (7%)	89 (5%)
	10-14	1,911 (89%)	118 (5%)	117 (6%)
	15-19	1,775 (88%)	102 (5%)	146 (7%)
	Total	5,097 (88%)	330 (6%)	352 (6%)

Conclusion and Recommendation

- **Majority (94%)** of children and adolescents on multi-month ARVs are virally suppressed at 12 months follow-up.
 - However, **Detectable viral load remains high at 12%.**
- There is need for more analysis and closer clinical monitoring for clients with detectable viral load while on 3/6 Multi Month Dispensing (MMD).



Peter (15yrs), from Geita region, sharing his viral suppression progress after his enrolment on 3MMD