

Characterizing the double-sided cascade of care for HIV-infected adolescents transitioning to adult-centred care in the IeDEA Southern Africa Collaboration

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GRADUATE

Global fRAMework of Data collection
Used for Adolescent HIV Transition Evaluation



Background



Specialist pediatric care →
adult care



Supported pediatric care within
general care → adult care



Completely integrated
pediatric-adult care

Background



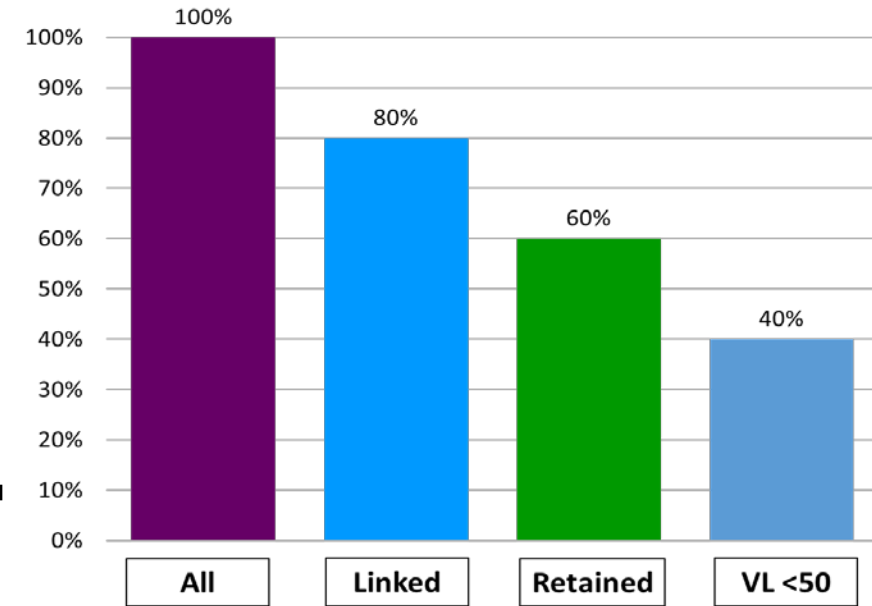
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Objective

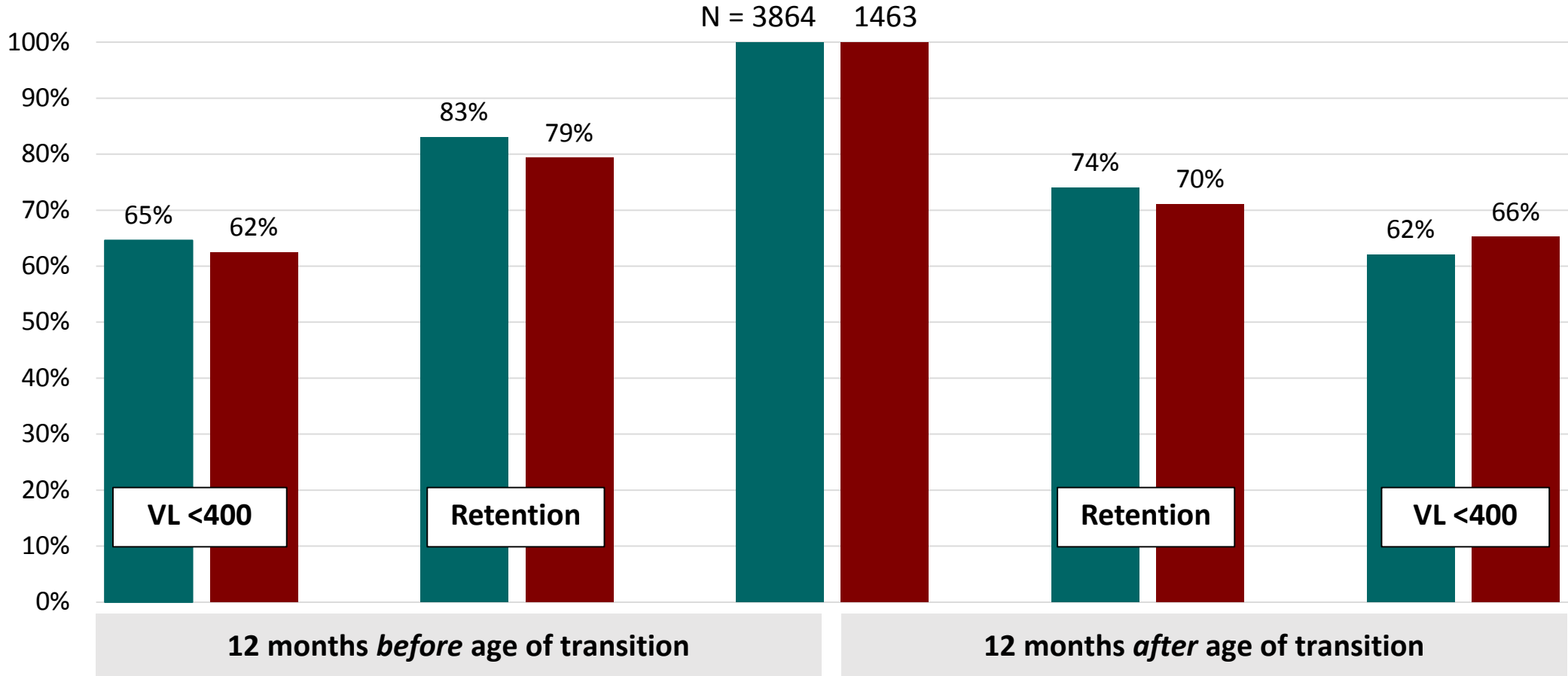
- To evaluate the **pre-and post-“transition”** cascade in ALHIV entering HIV care at <16 years of age using different age thresholds as a proxy for when “transition” to autonomy might occur in the context where adolescents remain at the same facility through to adulthood

Outcomes

- **No gaps in care** (defined as **retention**): ≥ 2 visits in the 12 months before and after each birthday
- **Viral suppression**: HIV-RNA <400 copies/mL in the 18 months before and after each birthday

Retention and viral suppression

Age 18 years
Age 20 years



Risk difference:

Retention at 18 years 9.3% (95% CI 7.5-11.1); at 20 years 8.7% (95% CI 5.6-11.9)

Viral suppression at 18 years 2.9 (95% CI -1.5-7.2); at 20 years -4.1% (95% CI -12.4-4.2)

Regression analysis

Retention in 12 months post-transition	At 18 years aOR (95% CI)	At 20 years aOR (95% CI)
Female (vs. male)	0.93 (0.79–1.08)	0.95 (0.74–1.21)
Year of 18th birthday	1.13 (1.07–1.18)	1.01 (0.93–1.10)
Age at entry into HIV care, years (vs. <10)		
10–14	1.27 (0.99–1.63)	1.68 (0.95–2.99)
15–16	1.20 (0.90–1.60)	1.94 (1.05–3.62)
Number of patients transitioning at the same time per cohort (vs. <100)		
101–200	0.58 (0.46–0.74)	0.49 (0.34–0.66)
>200	0.33 (0.27–0.39)	0.42 (0.30–0.60)
Retention in 12 months pre-transition	4.45 (3.70–5.34)	4.07 (3.09–5.37)

Summary

- Retention lower in the 12 months after the transition age
 - Similar results found when shifting “transition” to age 16 or 22 years
- No differences in VL suppression
- Factors associated with retention post-transition
 - No gaps in care before the transition age threshold
 - In care within a cohort with fewer patients at the same age of transition

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