HIV Pre-exposure prophylaxis data quality audit and system evaluation in Homabay town sub-county-Kenya, 2021- June 2023



Brian O. Sigu^{1,2}, Gabriel Tembule³, Fred Omino⁴, Nicholus Kimuyu¹, Abdiaziz Mohamed^{1,2}, Carey Abuya¹ Maurice Owiny¹, Fred Odhiambo¹, Dickens O. Onyango⁵

¹Field Epidemiology and Laboratory Training Program, Ministry of Health, Nairobi, Kenya, ²Garissa County Department of Health, Garissa, Kenya, ³LVCT-Homabay, Kenya, ⁴Homabay County Department of Health, Homabay, Kenya, ⁵Kisumu County Department of Health, Kisumu, Kenya

The evaluation of PrEP data across five facilities highlighted predominantly female as early users, poor data documentation, reporting discrepancies, and declining client retention over time

Background

- HIV/AIDS remains a major concern in Sub-Saharan Africa and among the leading cause of death in Kenya despite interventions (KHSSP 2013-2017)
- In 2021, HIV prevalence in Homabay County (19.6%) was nearly f times the national average (4.3%) (NASCOP, 2022)
- Accurate data is key in intervention effectiveness, especially in high burden regions like Homabay County
- Pre-exposure prophylaxis (PrEP) is highly effective, reducing H infection risk by over 90% when used consistently Since the roll-out of PrEP in Homabay County, programmatic da quality has not been assessed We sought to audit the quality of PrEP data, assess the system, a examine uptake and retention among users

Results continued

able 2	Data Comple (January 2021

eteness for PrEP Users from the EMR data source in Homabay Sub-County - June 2023)

Sex	(n=223)	_		riinaniuu	INYAIKIIIYI	Avera
Sex	(220)	(n=296)	(n=123)	(n=165)	(=64)	ge
A	100 %	100 %	100 %	100 %	100 %	1009
Age	100 %	100 %	100 %	100 %	100 %	100%
Population type	90.6 %	94.1 %	98.4 %	100 %	99.1 %	96.4
Assessed	100 %	100 %	100 %	100 %	100 %	1005
Eligible	100 %	100 %	100 %	100 %	100 %	1005
Prep initiation date	100 %	100 %	100 %	100 %	100 %	1005
Reason for Prep eligibility	92.4 %	76.5 %	75.6 %	35.2 %	68.8 %	69.7
HTS done	91.5 %	94.5 %	98.4 %	100 %	100 %	96.9
STI screened	100%	100 %	100 %	100 %	100 %	1002
Adherence	13.5 %	58.3 %	22.8 %	15.8 %	18.8 %	25.8
Received adherence counselling	99.5 %	98.8 %	96.7 %	100 %	87.5 %	96.5
PrEP status	100%	100%	100%	100%	100%	1009
Discontinuation reason	14.8 %	0 %	0 %	0.6 %	%	3%
Average	84.8%	86.3%	84%	80.9%	82.6%	83.7
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2 80%						.]
ilicati						
³ √ 40%						_
20%						
0%						
0% HBCTRH	Nyalkinyi	Disp Marin Health	di SCH Ma Facilities	kongeni DICE	Miniambo H	C

Methods

- Data audit quality conducted on PrEP clients records in the electronic medical record (EMR) register from January 2021 to June 2023 in public facilities in Homabay town sub-county
- System attributes assessed: completeness, accuracy, and timeliness
- (RDQA) tool evaluated data quality and system performance

Table I



below the target, while System performance averaged 2.50 (Fig 3), with the Data Management Process as the weakest area (Fig 4)

Demographic Characteristics of PrEP Users in Five Facilities in Homabay Town Sub-County

PrEP continuation gradually declined after initial initiation (Fig 5)

(January 202	21 - June 2023)			
Variables		Female	Male	Total n (%)
Age (n=1058)	15 - 20 yrs	60	8	68 (6%)
	21 - 30 yrs	416	185	601 (57%)
	31 - 40 yrs	175	87	262 (25%)
	41 - 50 yrs	40	36	76 (7%)
	51 - 60 yrs	20	15	35 (3%)
	Over 60 yrs		15	16 (2%)
Population type (n=988)	General			
	Population	433	191	624 (63%)
	Key Population	197	129	326 (33%)
	Priority			
	Population	12	26	38 (4%)

Conclusions

- PrEP usage is predominant among younger individuals and females, with the General Population primarily using public facility outlets and the Key Population favouring DICE outlets
- Data quality was suboptimal across facilities, with discrepancies in reporting tools and declining retention rates over time
- These findings emphasize the need for targeted actions to boost adherence, data accuracy, system efficiency, enhancing program

effectiveness and health outcomes

Reference

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- **2.** Kenya Ministry of Health. (2023). Kenya Health Sector Strategic and Investment Plan (KHSSP) 2013-2017: Mid-Term Review

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Author Contact Information Email: <u>bryoscii@gmail.com</u> Tel: +254710290832

