

Reaching Key and Priority Populations Using Digital Vending Machines

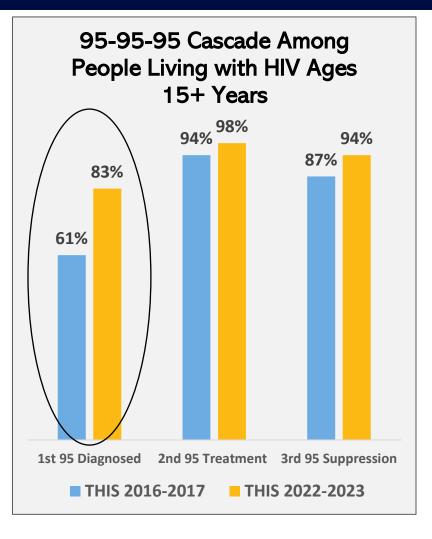
Digital Platforms to Enhance HIV Testing and Linkage Coverage

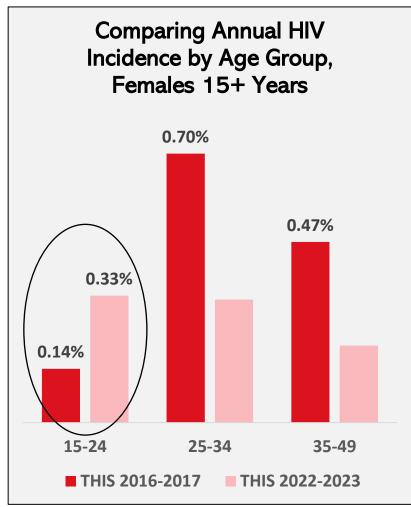
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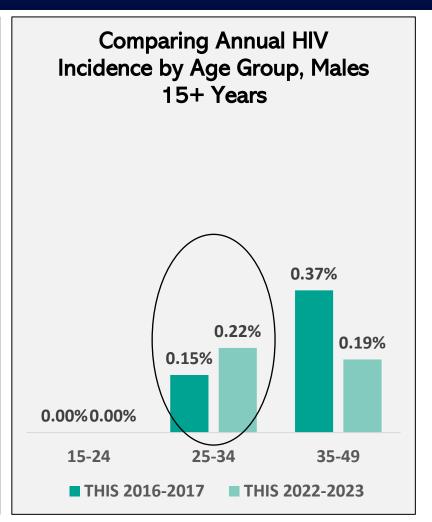


Introduction

HIV case identification and HIV prevention among youth and men remain a challenge and necessitate innovations to address gaps.











Digital Vending Machine in Tanzania

- In Tanzania, innovation started in
 2018 in Dar es Salaam, primarily for condoms distribution.
- HIV self-test kits approved by MOH in Dec 2023 and implementation started in Feb 2024.
- Machines are connected to electric power and internet.
- Fixed and mobile machines.
- For this presentation, most of the data will be on condom uptake as a platform for other prevention services.

Why Digital Vending Machine (DVM)?







DVM Access

1. Key & Vulnerable Population (KVP) Dedicated PIN Number

Given to KVPs by peers after registration.

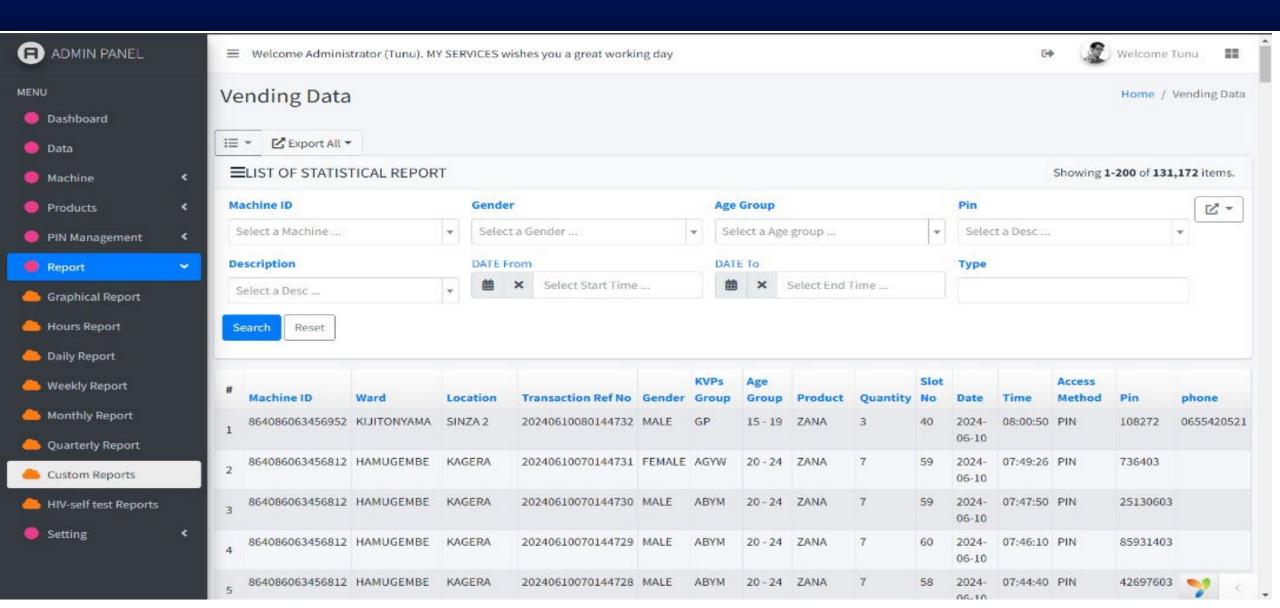
2. Mobile Phone One Time Passcode (OTPs)

 Normally for clients of KVPs, men, youths, AGYWs, and GPs.

3. Special card

■ KVPs provided with cards that are coded with KVP sub-group category.

Backend Data Capturing and Report Generation (Real time web-based data capture)





Current Coverage

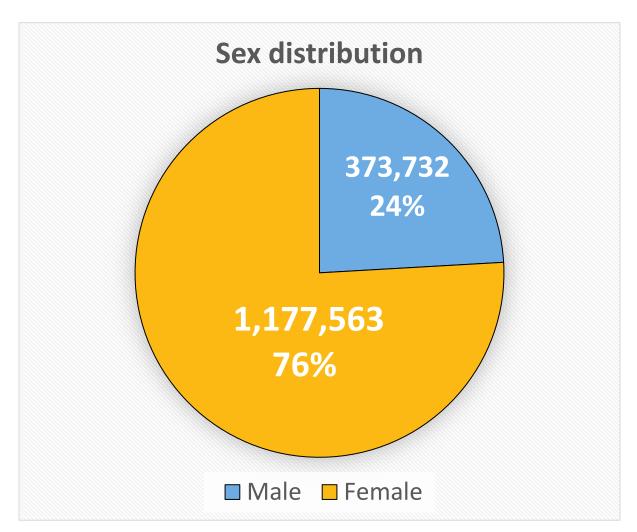
18 machines installed

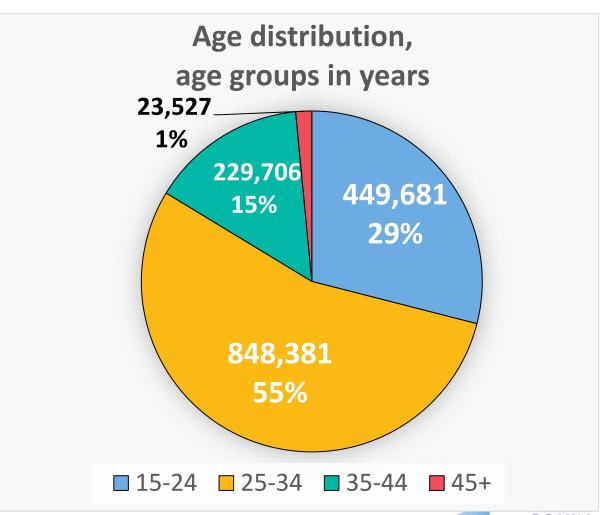
- Placed in hotspots e.g., brothels and night hangouts.
- 5 mainland regions + Zanzibar

3 PEPFAR implementing partners



DVM Beneficiaries (N=1.6M) Age and Sex Distribution, October 2022-March 2024

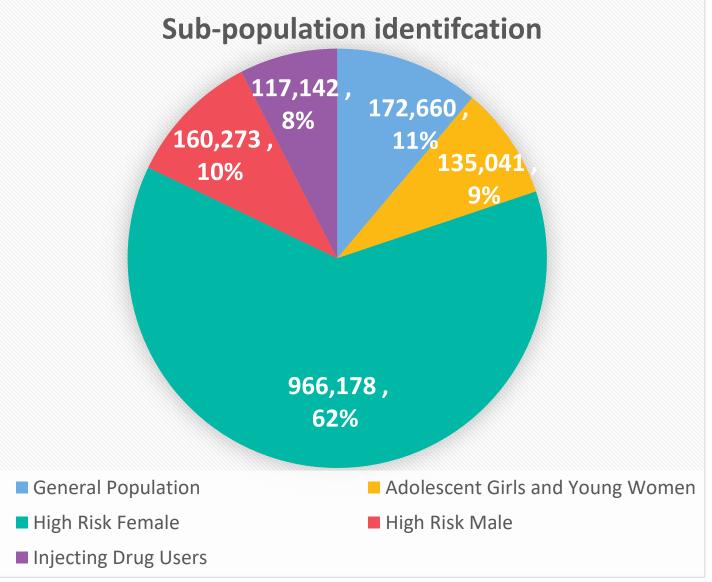






- High risk females, mostly
 Female Sex Workers, have the highest uptake of services
- Services extended to general populations

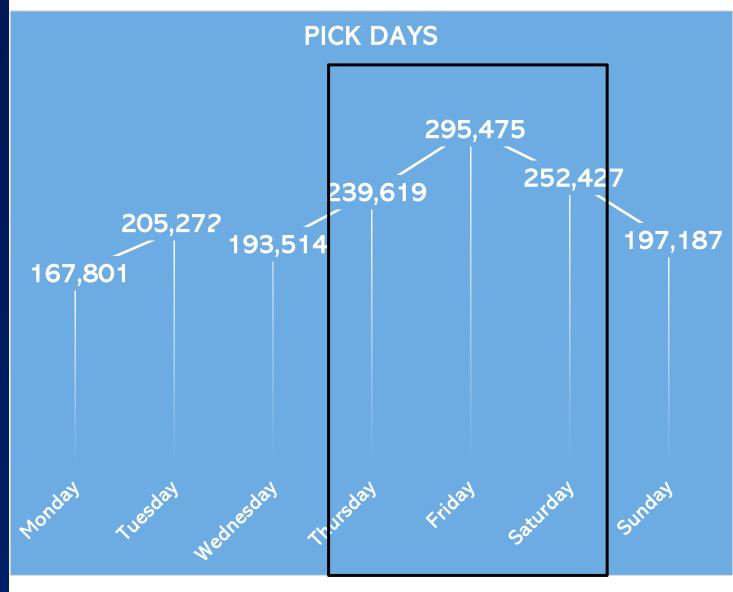
Condoms Uptake by Population Type, October 2022-March 2024





- Condoms are picked up throughout the week
- Friday is the most popular pick day
- ~50% of weekly uptake happens over weekend
- Uptake per day varies by location
- Data is used to inform community outreach activities and planning

Condoms uptake by day of week, October 2022-March 2024

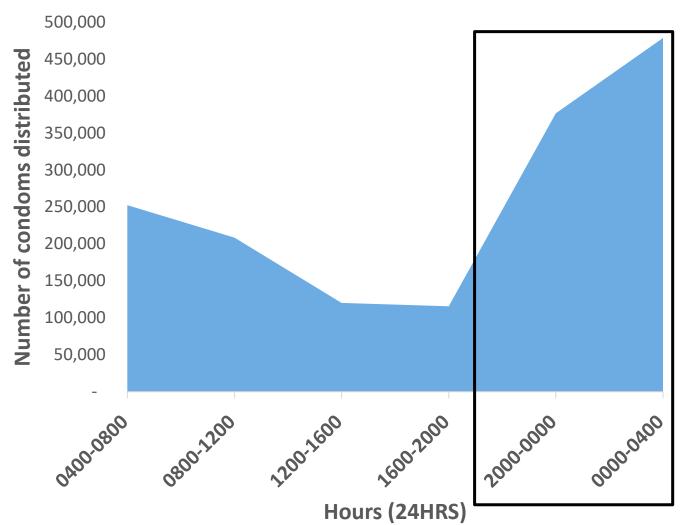




- Digital vending machines are accessed throughout a day
- >75% of condoms are picked up at night
- Data used to inform community outreach activities like moonlight testing events.
- Pick up hours vary per location

Condom uptake highest at night, October 2022-March 2024

Number of condoms distributed by time of day







Future Plans

- Configure machines to distribute
 HIV self test kits
- Increase access through cell phones.
- Integrate communication for other health services.
- Explore feasibility to distribute other medical products, e.g., PrEP drugs, ARV drugs refill.
- Increase regional coverage.







Asante! Thank You!

