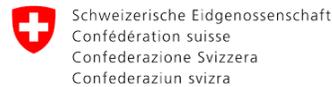




## Case-finding and continuity of care for adolescents using the CATS model



# ZVANDIRI: ONE MODEL, MULTIPLE PARTNERS



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## OUR PURPOSE

We transform the lives of young people living with HIV through peer connections to ensure health, happiness, and hope.

## OUR MISSION

We work with governments to deliver Zvandiri services to young people living with HIV at scale and currently work with 10 countries in African region



# The Zvandiri Model

These four strategic objectives are achieved through the Zvandiri model and its 7 core pillars

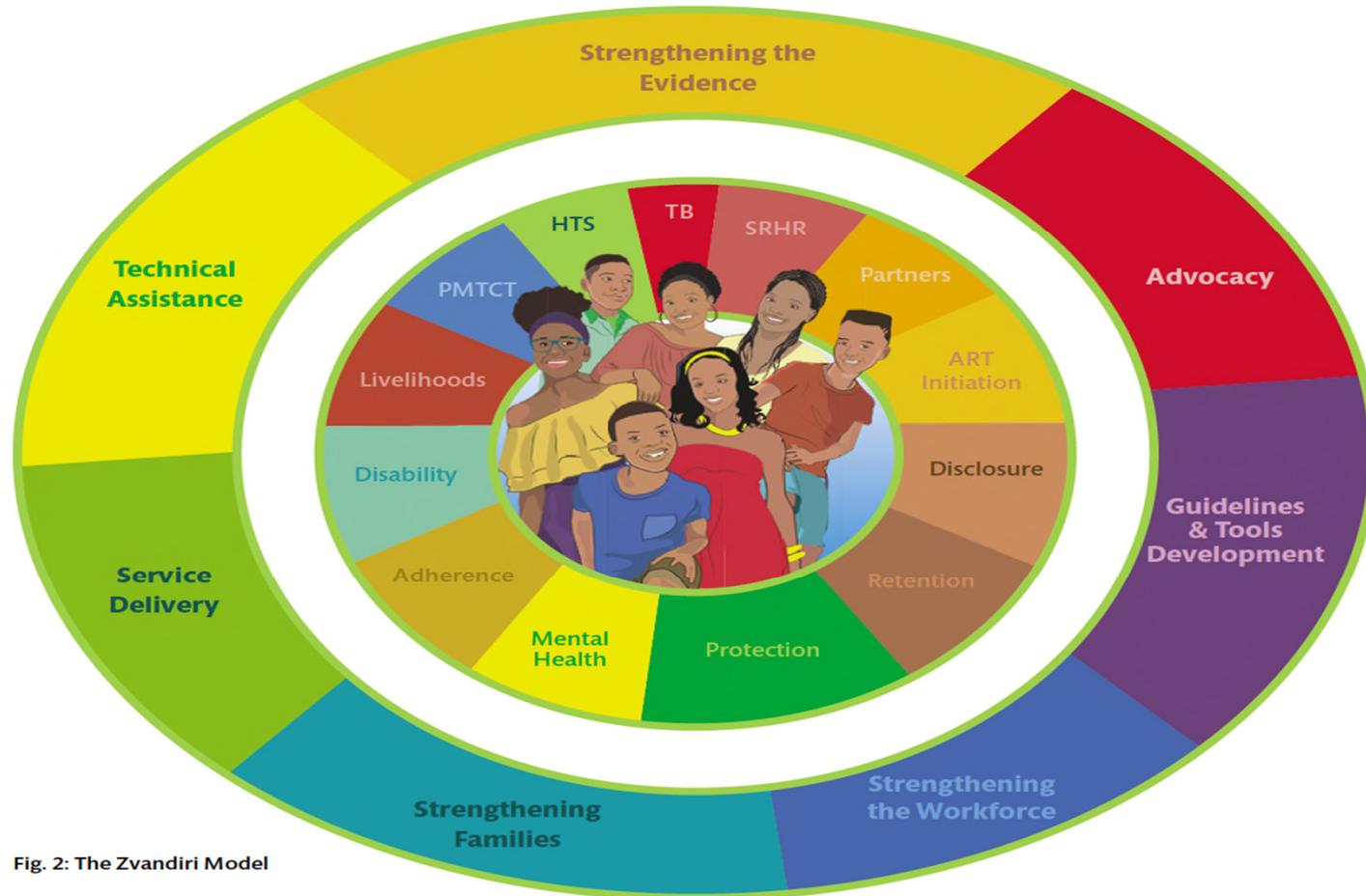
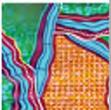


Fig. 2: The Zvandiri Model



# ZVANDIRI – PEER-LED DSD

**2400**  
**Community Adolescent  
Treatment Supporters  
(CATS)**  
and **Young Mentor  
Mothers (YMMs)**  
supporting  
**64,000** children,  
adolescents and young  
people living with HIV



**IMPROVED**

HTS

ART ADHERENCE

VIRAL SUPPRESSION

RETENTION

MENTAL HEALTH

SRHR

PROTECTION

PREVENTION



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## ZVANDIRI – PEER-LED CASE FINDING

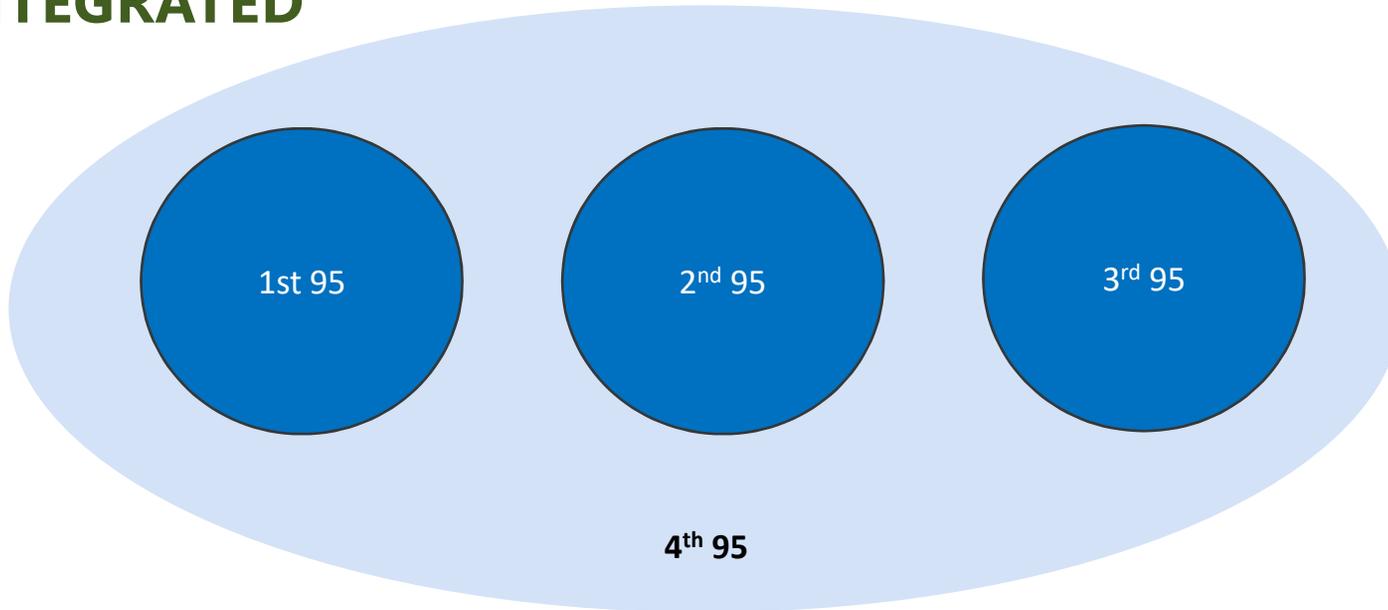
### CATS and YMMs

- Through their existing caseloads of CAYPLHIV, they identify undiagnosed:
  - Siblings of CAYPLHIV
  - Sexual partners of AYPLHIV
  - Children of caregivers on ART
- Referral to HTS
- Distribution of HIV\_ST
- Counselling
  - Caregivers
  - Disclosure
  - HIV, ART, VL literacy
- Case conferencing for children facing barriers to HTS



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# INTEGRATED



Integration of **peer-led, comprehensive child and adolescent services** across the **clinic, community** and **eHealth** to promote **health and quality of life** outcomes



# ZVANDIRI



## HEALTH FACILITY

- Training, mentorship and supervision for health care workers**
- Case load management planning and coordination** (*ART refill, MMD, VL, Tracing, TB, MH, SRHR services, planning for outreach*)
- Adolescent Days** (*ART refill, Support Group, VL bleeding, TB and MH screening*)
- Peer counselling, psychological support for CAYPLHIV and caregivers** (*Use of child / ado friendly IEC materials, job aides*)
- Identification of red flags, peer-navigation to services**
- Mhealth** (*Check-ins, clinic and adherence reminders, EAC, MH and TB screening*)
- Adolescent Quality Standards and QI initiatives**



## COMMUNITY

- CATS Home Visits** (*information, counselling, monitoring and support; clinic and adherence reminders; tracing*)
- Identification of red flags and referral**
- Screening for TB and MH conditions, and referral**
- Joint Home Visits for enhanced / complex cases** (*nurses, counsellors, mental health nurses, protection officers*)
- Community Support groups**
- Caregiver support groups**
- Community ART refill**
- Community Viral load bleeding**
- Linkage to OVC services**



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## STANDARD SUPPORT

### ADOLESCENTS WITH:

- Viral load <1000 copies/mL
- Attendance at all scheduled clinic visits in the last 3 months
  - Psychosocially stable

### SERVICES PROVIDED:

- **Clinic based services**, as scheduled
- **Adolescent days**, as scheduled
  - **CATS home visits**, monthly
    - **Mhealth**, weekly
  - **Support Groups**, monthly
- **Caregiver groups**, counselling and support

## ENHANCED SUPPORT

### ADOLESCENTS WITH:

- Viral load  $\geq 1000$  copies/mL
- Failing to attend one or more scheduled clinic visits in the last three months
  - Commencing ART in the past three months,
    - Common mental disorders (CMDs)
      - Pregnant
  - Psychosocial challenges or protection issues

### SERVICES PROVIDED

- **Clinic based services**, as scheduled
- **Adolescent days**, as scheduled
- **CATS home visits**, twice /month or more
  - **Mhealth**, daily
- **Support Groups**, monthly
- **Caregiver groups**, counselling and support
- **Joint case management** with clinic and community cadres

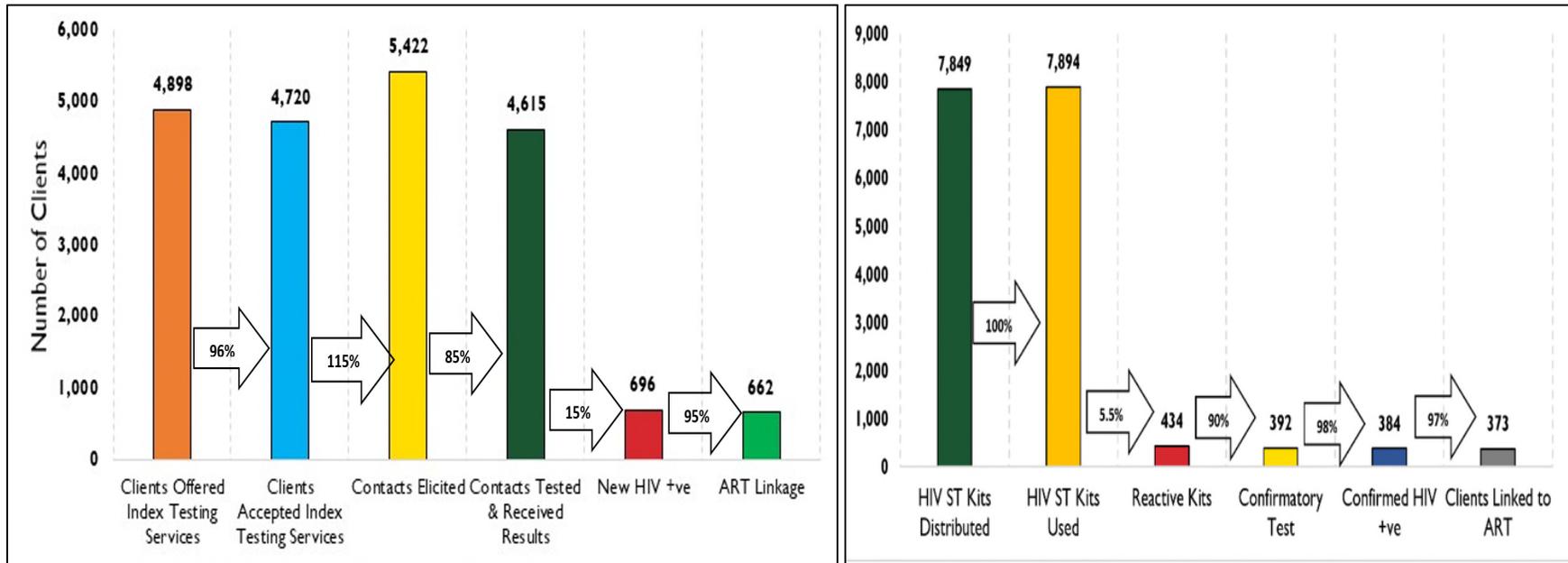


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# RESULTS, 2020



# HTS



In spite of COVID-19 challenges, managed to identify almost 700 new CAYPLHIV through Index testing services, with 95% of them linked to care

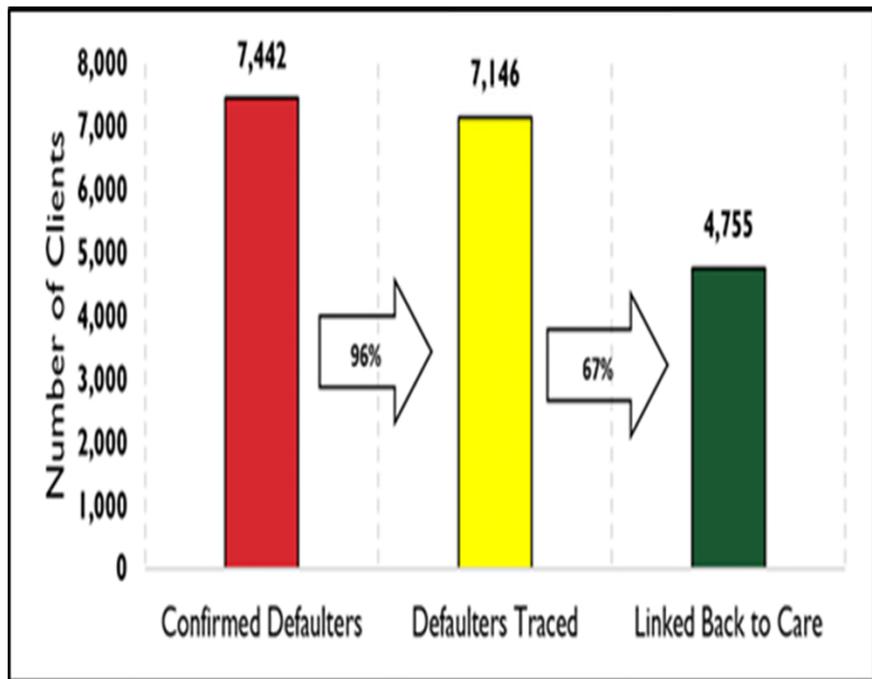
- 392 confirmed new CAYPLHIV identified through HIVST distribution, with 98% confirmed
- 97% linkage rate

# DIFFERENTIATED CARE FOR CAYPLHIV ON ART

**54,764** receiving Zvandiri services



## DEFAULTER TRACKING

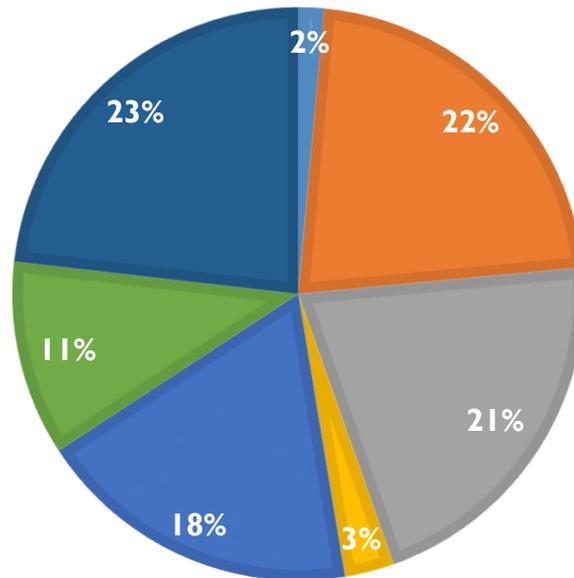


- A total of 7,442 defaulters submitted to CATS by clinical staff
- 96% (7,146) of these traced by CATS.
- Of the CAYPLHIV traced, 4,755 were successfully linked back into care, translating to a success rate of 67%.
- The balance of the success rate were either still being traced, were still in care with a documentation challenge, had self-transferred, lost-to-follow-up, or had died.

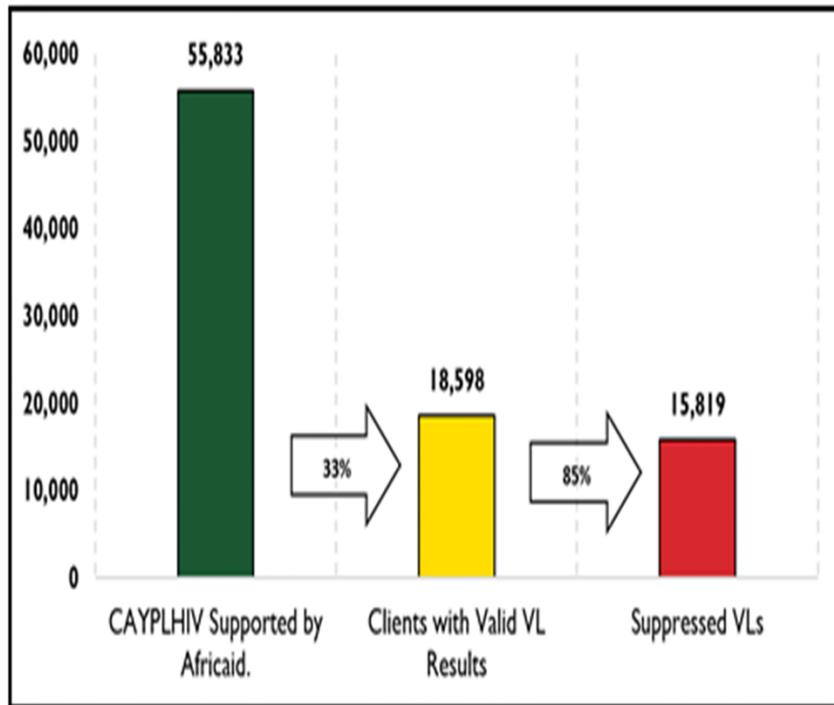
# DEFAULTER TRACKING

## REASONS FOR CLIENTS NOT BEING LINKED BACK N=2,391

■ Died ■ Wornng address ■ relocated ■ Refused Treatmet ■ Self transfer ■ Still being follow up ■ Declared LTFU



## VLC AND VLS



- 2020 VLC was 33% (cc 42% in 2019) mostly due to the COVID19 pandemic
- Crucial demand-generation and viral load literacy work routinely provided by the CATS was heavily impacted by the COVID-19 restrictions
- The fewer clinic attendances by CAYPLHIV provided less opportunities for bleeding
- Overall VLS was 85%
  - **However, in districts with ideal CATS beneficiary ratio estimated at 1:30, the viral suppression rates are above 90%.**

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## VIRAL SUPPRESSION

### ZVANDIRI TRIAL

ALHIV in Zvandiri  
42% more likely to be  
virologically suppressed  
than ALHIV  
not engaged in Zvandiri

### ZVANDIRI-FRIENDSHIP BENCH TRIAL

Improvement in virological  
suppression from 65% at baseline  
to 88% at 24 months  
among 842 ALHIV

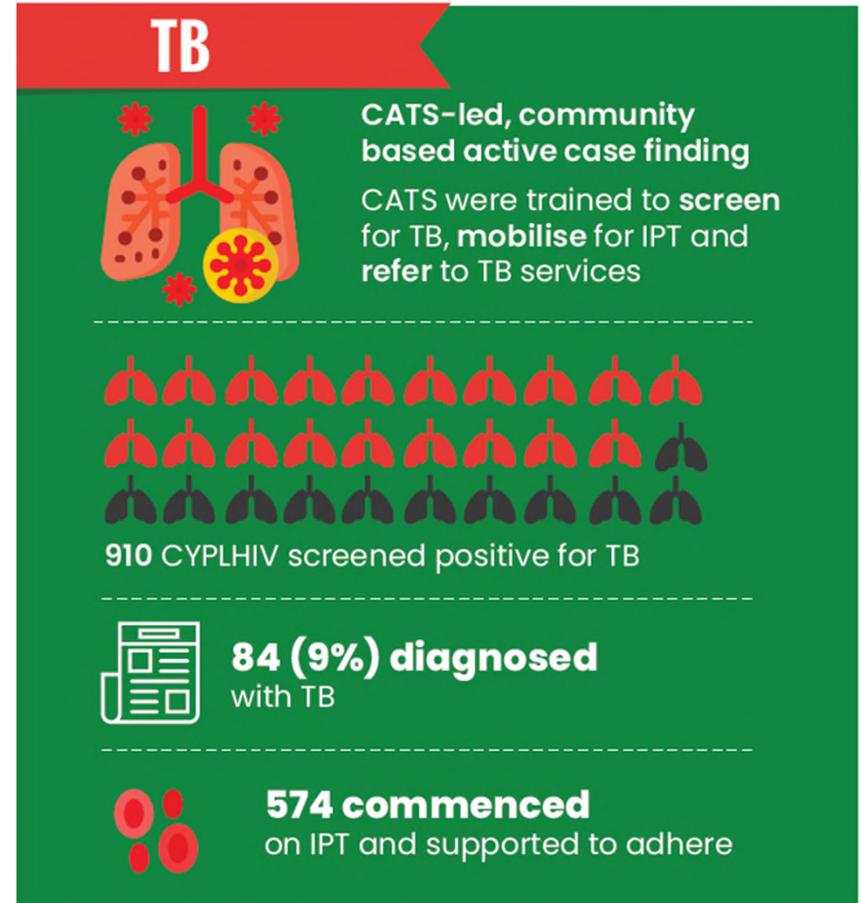




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## TB/HIV

- Among those screened non-presumptive cases, 574 were commenced on TPT, and provided with adherence support to complete the TPT course.
- However, this figure could have been higher had the availability of Pyridoxine, a vitamin co-administered with Isoniazid, been guaranteed



# MENTAL HEALTH

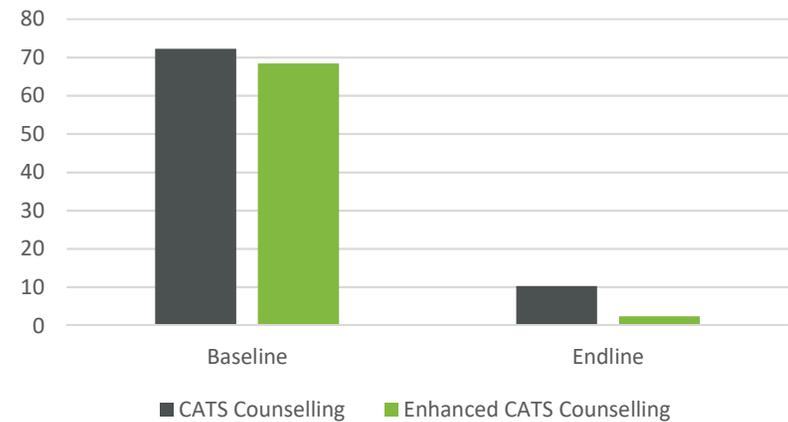
1,328 CATS providing peer counselling and support for 54,764 clients.

14,987 mental health screenings conducted by CATS, Zvandiri Mentors, in person and virtual

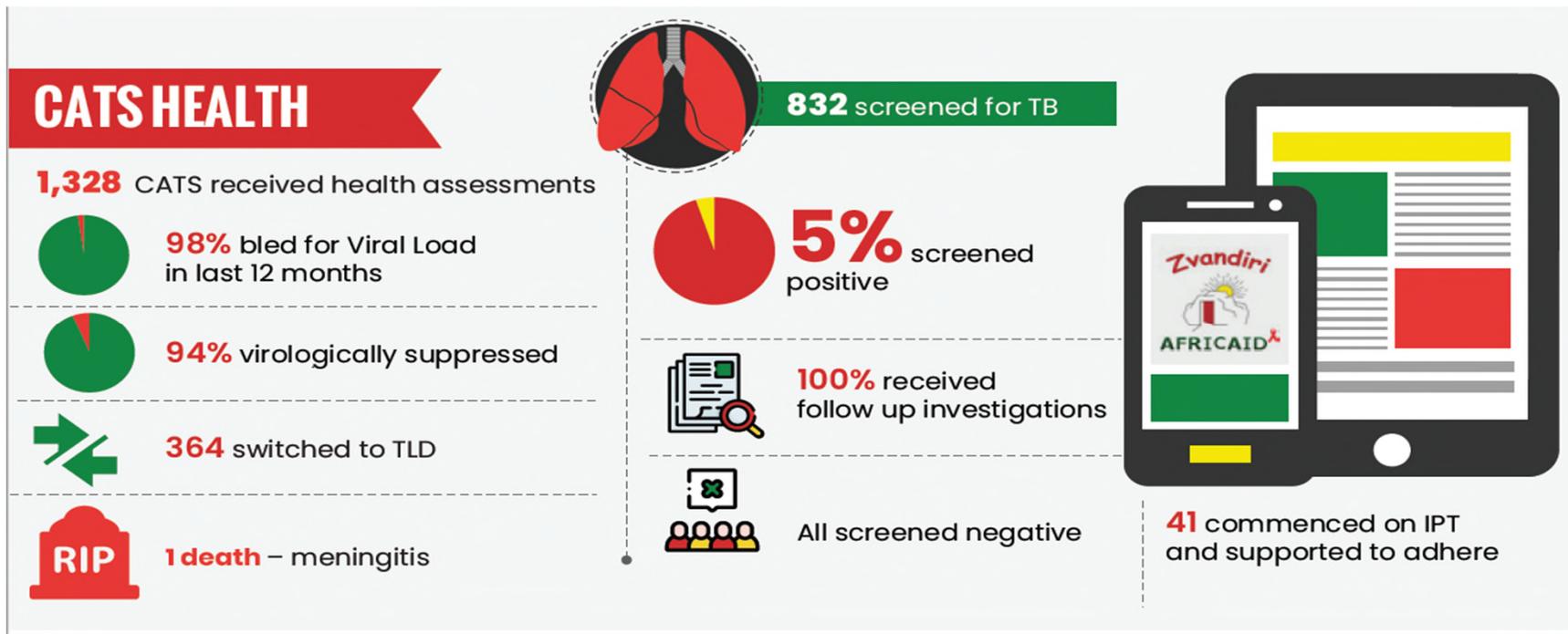
## Zvandiri-Friendship Bench Trial

- Among ALHIV receiving standard CATS counselling, common mental disorder (CMD) reduced from 72.2% to 10.3%
- Among ALHIV receiving enhanced CATS counselling, CMD reduced from 68.4% to 2.4%

CATS Counselling results in significant reduction in common mental disorders after 48 weeks (Simms et al, 2021)



# CATS HEALTH

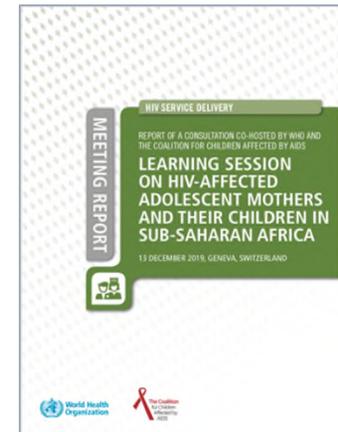


# PMTCT

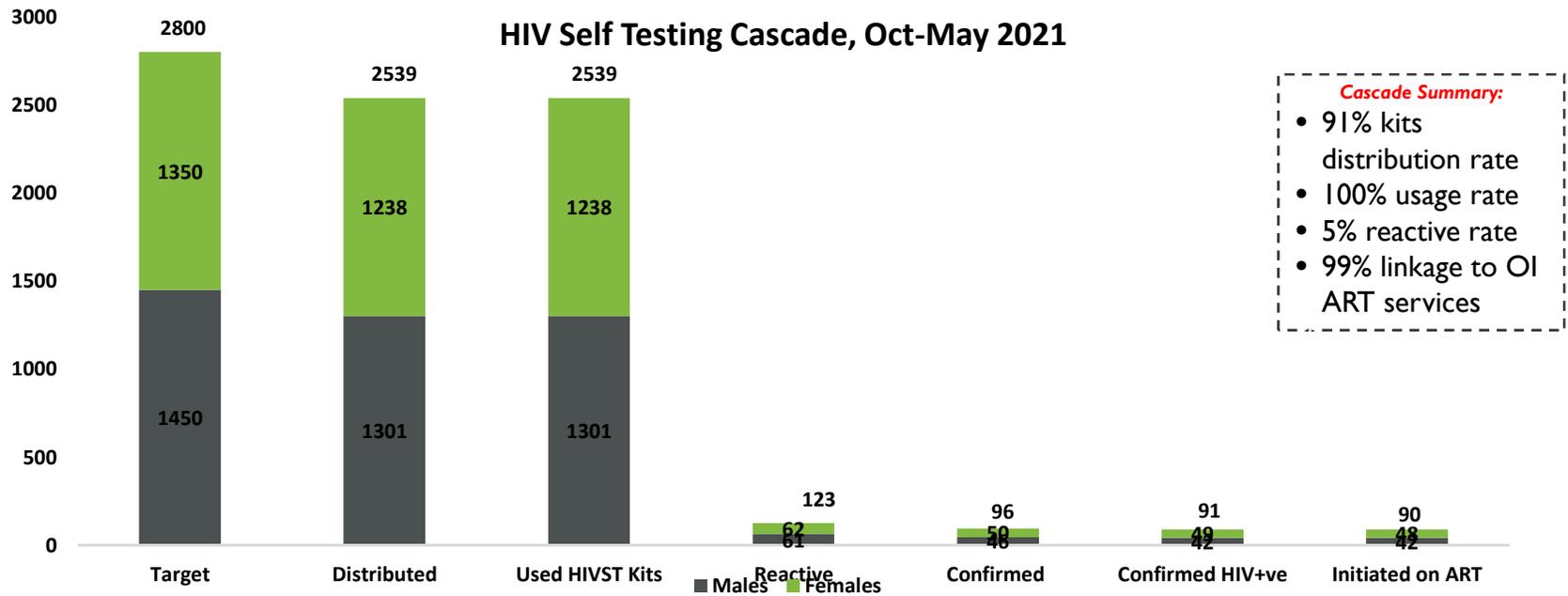
- **72** Young Mentor Mothers trained and mentored by MoHCC and Africaid
- **1671** Young pregnant and breastfeeding mothers (YMs) are being supported by the YMMs
  - **96%** of supported young mothers are virally suppressed
    - **98%** of babies are HIV negative at final outcome on cessation of BF (2% MTCT rate)
  - **62%** partners tested HIV positive
    - **99%** initiated on ART
    - **72%** of HIV negative partners initiated on PrEP



[Enita - The Story of A Young Mentor Mother](https://www.youtube.com/watch?v=91lpNnpok0Y)  
<https://www.youtube.com/watch?v=91lpNnpok0Y>



# FAITH-BASED AND COMMUNITY INITIATIVES HIV SELF TESTING CASCADE



**Cascade Summary:**

- 91% kits distribution rate
- 100% usage rate
- 5% reactive rate
- 99% linkage to OI ART services

- Key Highlights:**
- FCI Champions at the heart of this initiative- recruited through nomination by faith leaders, nomination by leadership of busy marketplaces, as well as graduated CATS
  - Distribute HIVST kits to contacts of index clients given to them by either the health facilities and/or the Community Posts set up to offer services to demographic groups not doing well on case-finding especially men, adolescents in busy marketplaces
  - For COP20 thus far, have distributed **91% of their target** number of HIVST numbers, with **100% usage rate**, **5% reactive rate**, as well as **99% of linkage of those confirmed positive to ART services**

## **CONCLUSION**

Zvandiri is an effective, peer-led model of differentiated service delivery model for CAYPLHIV, resulting in

- **improved uptake of HTS,**
- **ART initiation,**
- **retention,**
- **adherence,**
- **viral suppression and**
- **mental health among ALHIV, compared with standard of care**

Myriad of evidence is based on programme data and the following publications,

- The Zvandiri Trial
- The Gokwe Study
- The Zvandiri-Friendship bench Trial
- Effectiveness of CATS across 95-95-95
- Peer-led grief intervention



*With support we stand strong*



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