

Summary of differentiated service delivery science at **CROI 2023**

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»DSD for HIV treatment

IAS Annual clinical consultations and scripts (South Africa)

HIV Outcomes After Extended 12-Month Scripts For ART During COVID-19 In South Africa

Lara Lewis¹, Yukteshwar Sookraj², Johan van der Molen¹, Thokozani Khubone², Phelelani Sosibo², Riona Govender³, Sifiso Phakathi³, Munthra Maraj², Rose van Heerden², Francesca Little⁴, Reshma Kassanjee⁵, Nigel Garrett^{1,6}, Jienchi Dorward^{1,7}

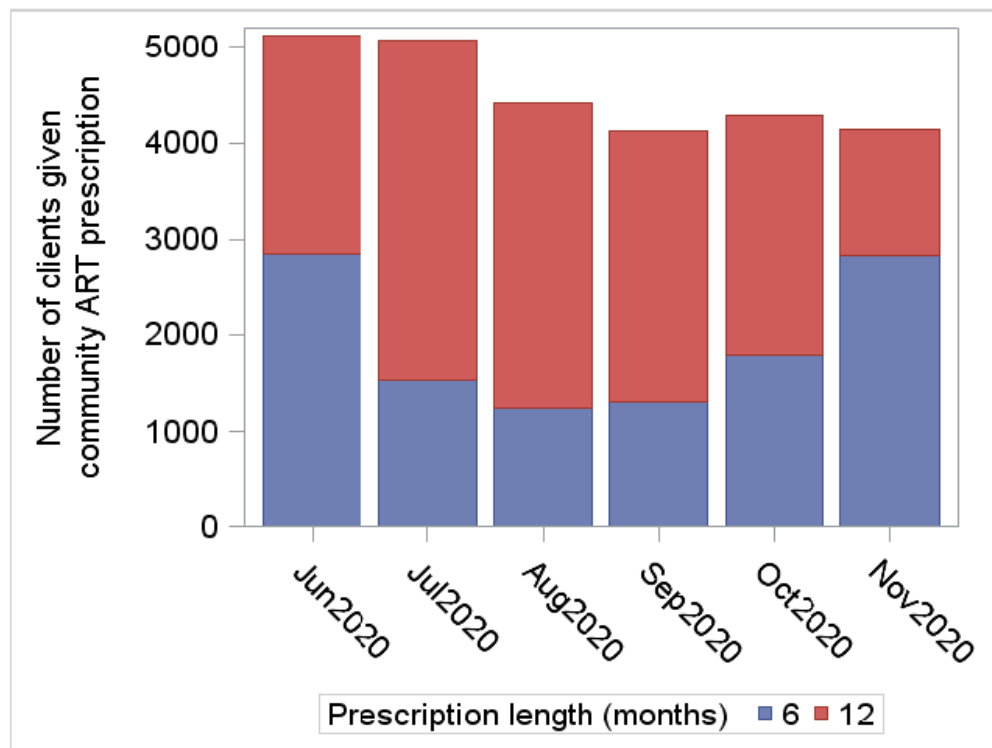


Figure 1: Number of prescriptions issued by month

[Abstract here](#)

Length of baseline ART prescription	>90 days late for visit, %(n)	Transfer, %(n)	Died, %(n)	Retained in care, %(n)	Adjusted relative risk of retention (95% CI)	Virally suppressed, %(n)	Adjusted relative risk of suppression (95% CI)
6 months	5.2(606)	2.7(309)	0.3(29)	91.8(10609)	1	89.7(7903)	1
12 months	3.6(565)	1.6(256)	0.2(24)	94.6(14750)	1.03(1.01-1.05)	91(11129)	1.01(1.00-1.02)

Table 1: Association between prescription length and 12-month retention-in-care (N=27,148) and viral suppression (N=21,043) among adults referred for community ART in June-December 2020

Retention-in-care and viral suppression among adults provided with 12-month prescriptions for community ART were similar to those among adults provided with the standard 6-month prescriptions, supporting the use of longer prescriptions in DSD programmes.

Patient choice or health system processes impacting continual use of community ART once enrolled? (South Africa)

Usage Patterns and Outcomes in a Large Community ART Programme in South Africa

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Lara Lewis¹, Yukteshwar Sookraj², Johan van der Molen¹, Thokozani Khubone², Munthra Maraj², Phelelani Sosibo², Rose van Heerden², Francesca Little³, Reshma Kassanjee⁴, Nigel Garrett^{1,5}, Jienchi Dorward^{1,6}

1. Centre for the AIDS Programme of Research in South Africa (CAPRISA), Durban, South Africa. 2. eThekweni Municipality Health, Durban, South Africa. 3. Department of Statistical Sciences, University of Cape Town, Cape Town, South Africa. 4. Centre for Infectious Disease Epidemiology and Research, School of Public Health, University of Cape Town, Cape Town, South Africa. 5. Discipline of Public Health Medicine, University of KwaZulu-Natal, Durban, South Africa. 6. Nuffield Department of Primary Care Health Sciences, University of Oxford, Oxford, United Kingdom

In a cohort of 80,000 PLHIV eligible for community ART, 62% were referred. 42% remained consistently in the program after referral.

Loss-to-care was lower and viral suppression similar among those remaining in community ART compared to those who moved back to clinic-based care after referral.

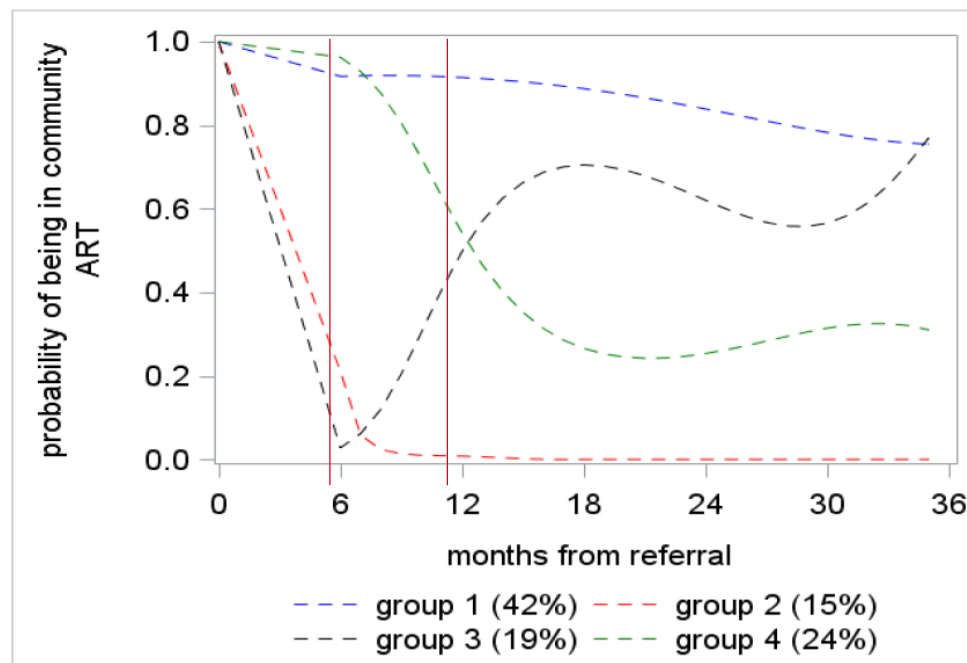


Figure 2: Patients identified with GBTM as having common community ART usage trajectories

GBTM – group-based trajectory modelling

- Clients are required to return from collection of 2 or 3 monthly ART at out-of-facility pick-up points (community ART) to clinics for clinical review/rescripting every 6 months in South Africa.
- The extent health system processes (getting the required rescript timeously) impede continued use of community ART requires further assessment.

[Abstract here](#)



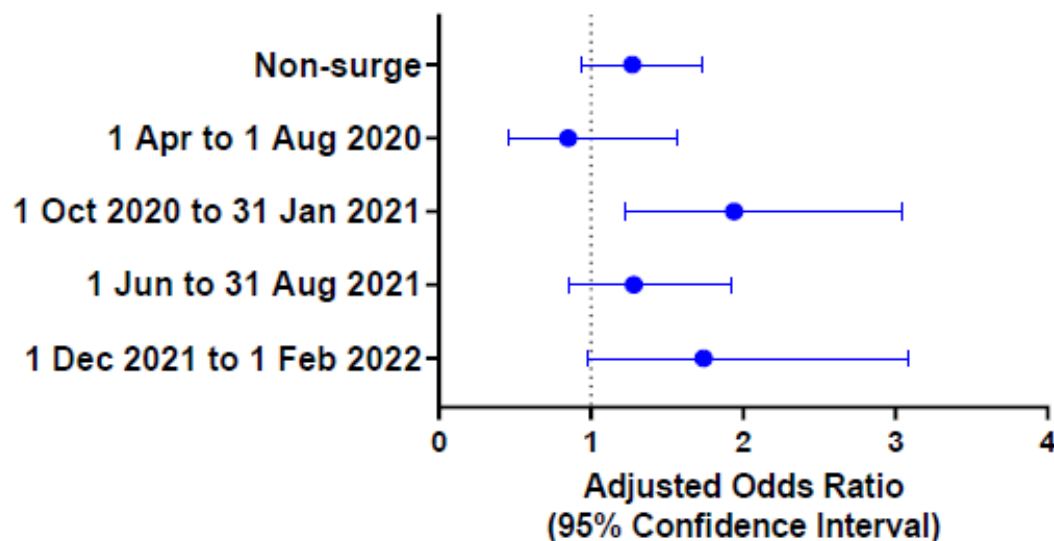
Did community ART and multi-month dispensing (MMD) during COVID-19 facilitate improved viral load suppression? (Kenya, Nigeria, Uganda)

Impact of COVID-19 Induced Program Adaptations on HIV Suppression in Three Countries

Vamsi Vasireddy,^{1,2} Neha Shah,² Allahna L. Esber,^{2,3} Trevor A. Crowell,^{2,3} Joseph S. Cavanaugh,² Hannah Kibuuka,⁸ Ajay Parikh,^{2,3} Jonah Maswai,^{2,4} Valentine Sing'oei,^{4,5} Michael Iroezindu,^{2,6} Emmanuel Bahemana,^{2,7} and Julie A. Ake,² on behalf of the AFRICOS Study Group

- African Cohort Study (AFRICOS) at 12 clinics across Uganda, Kenya, and Nigeria.
- Assessed VS (< 1000 c/mL) before and during the COVID-19 pandemic.
- People living with HIV were less likely to be virally suppressed during the first surge period (OR (Odds ratio) 0.85, CI 0.46-1.56), but viral suppression significantly increased during the second surge period (OR 1.95, CI 1.23-3.04) compared to the pre-COVID period.

Adjusted Odds Ratios of HIV Suppression during COVID-19 Pandemic, AFRICOS Sites, March 2020 to June 2022



[Abstract here](#)

ART delivery by drone for hard to physically reach (Uganda)

EVALUATION OF MEDICAL DRONES FOR ANTI-RETROVIRAL DELIVERY IN AN ISLAND POPULATION



Authors: Rosalind M. Parkes-Ratanshi^{1,2}, Patrick Ssesaazi¹, Agnes-Bwanika Naggirinya¹, Jackie Lydia N Ssemata¹, Joan Akullo¹, Dickson Masoni¹, Agnes Kiragga¹, Theresa Pattery³, Robert Kimbui³, Andrew D. Kambuqu¹



- Control group also included island inhabitants with a different feeder clinic

Table 1 – PLHIV outcomes in those receiving ART by drone and control group (*health facility data)

	Baseline					6 month follow up		12 month follow up				
	Mazinga HC	%	Butumira HC	%	p-value	Butumira HC	%	Mazinga HC	%	Butumira HC	%	p-value
	Control		Drone ART delivery			Drone ART delivery		Control		Drone ART delivery		
Number surveyed	100		150			100		60/100*		63		
Number receiving more than one ART delivery	NA		NA			99		NA		63		
On anti-retroviral therapy	58	58.00%	132	87.40%	0	100	100%	60	100%	63	100%	-
Missed ART appointment in last 12 months	23	39.70%	37	28.00%	0.073	2	2%	21	35%	1	1.60%	0
Reporting running out of ART in last 12 months	19	32.80%	31	23.50%	0.159	1	1%	5	8%	1	2%	0.101
Viral load sample taken in last 12 months	88	88.00%	145	96.70%	0.029	97	97%	58	97%	60	95%	0.721
Viral load result undetectable (<1000c/u)		51%*		70%*	0.006	92	92%	46	77%	57	90%	0.013
Dead								1	1%	2	3%	0.311
Lost to follow up								40	40%	0	0	<0.001

ART/non-communicable disease (NCD) integrated care need (South Africa)

Cardiovascular risk among people accessing differentiated HIV care in South Africa

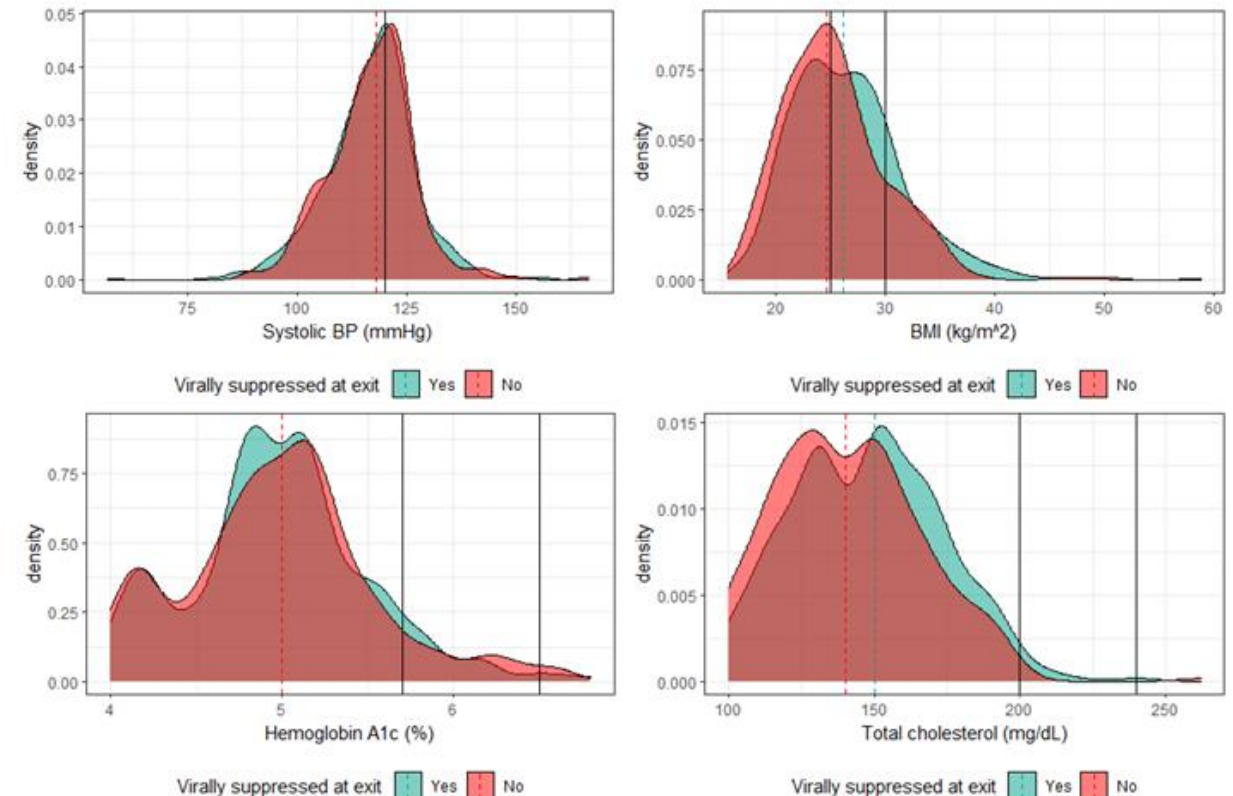
Maitreyi Sahu¹, Adam A. Szpiro¹, Heidi van Rooyen², Stephen Asiimwe³, Maryam Shahmanesh⁴, D. Allen Roberts¹, Meighan L. Krows¹, Kombi Sausi², Nsika Sithole⁴, Torin Schaafsma¹, Jared M. Baeten^{1,5}, Connie Celum¹, Adrienne E. Shapiro¹, Alastair van Heerden^{2,6}, and Ruanne V. Barnabas^{7,8} for the DO ART Study

- Assessed CVD risk 12 months after ART initiation including for people in facility and community models of care
- Among clients accessing community-based care, virally suppressed persons had higher cholesterol and BMI compared with persons not virally suppressed.

Relatively young clients accessing differentiated and facility-based HIV care in South Africa have substantial burden of elevated blood pressure, BMI, and smoking

DESCRIPTIVE RESULTS, continued

Figure: Distribution of clinical measures of cardiovascular risk, by viral suppression status at exit [dashed lines are group medians]



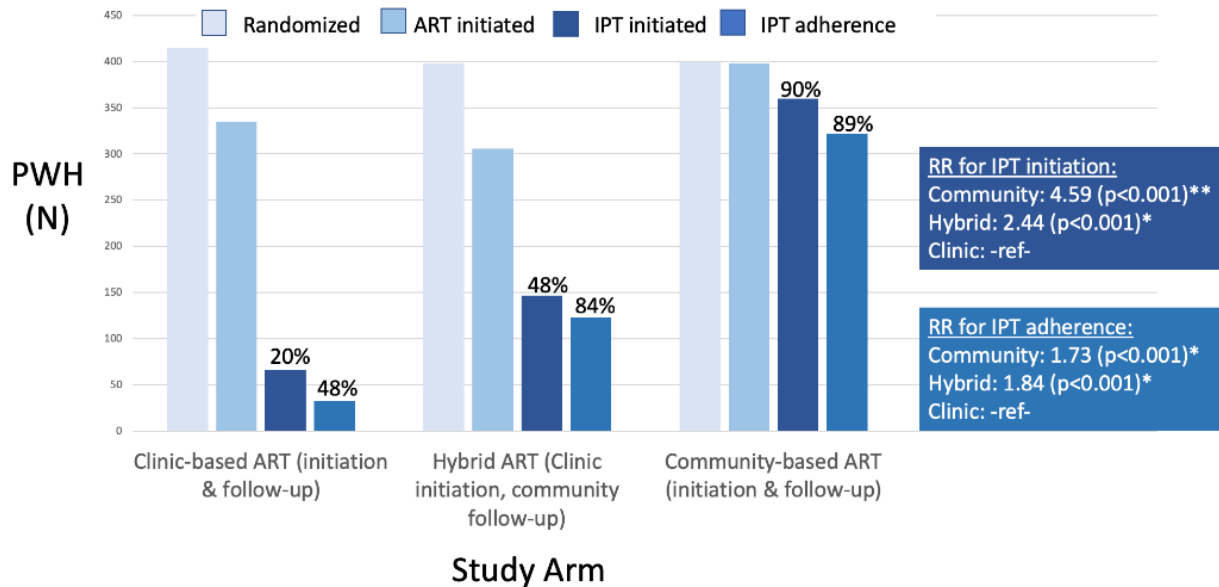
IAS TB preventive therapy (TPT) integration outcomes (South Africa)



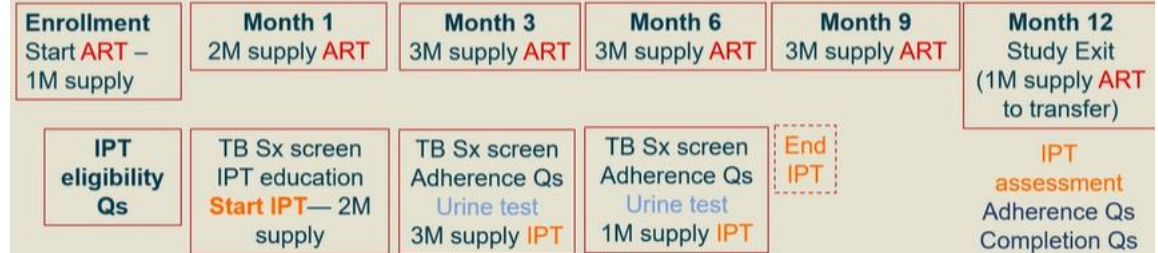
Increased TB preventive therapy coverage with integrated community based IPT and ART

Adrienne E. Shapiro, Adam Szpiro, Kombi Sausi, Nsika Sithole, Olivier Koole, Meighan Krows, Torin Schaafsma, Maryam Shahmanesh, Heidi van Rooyen, Connie L. Celum, Alastair van Heerden, Ruanne Barnabas

IPT initiation & adherence cascade in DO ART



Community Arm visit schedule :



• POC urine INH metabolite testing sub-study:

	Total N=255	Hybrid N=62	Community N=193
INH positive	160 (63%)	28 (45%)	132 (68%)
INH negative	95 (37%)	34 (55%)	61 (32%)

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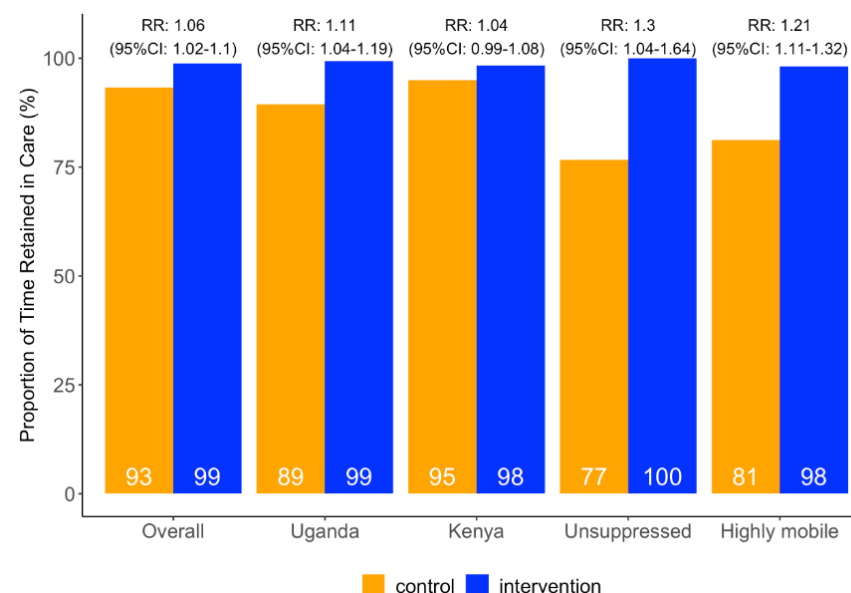
IAS DSD for highly mobile populations (Kenya and Uganda)



Randomized trial of dynamic choice HIV care for highly mobile persons in East Africa

James Ayieko, Colette Inviolata, Elijah Kakande, Fred Opel, Erick Wafula Mugoma, Laura Balzer, Jane Kabami, Elizabeth A. Bukusi, Carol S. Camlin, Edwin Charlebois, Melanie Bacon, Maya Petersen, Diane V. Havlir, Moses Kamya, Gabriel Chamie

- Mobile adults (≥ 15 years old; ≥ 2 weeks out of community in prior 12 months) with either viral non-suppression or recent missed visits
- The intervention = dynamic choice of a "travel pack" (emergency 14-day ART supply, discrete ART packaging and travel checklist), multi-month (up to 6-month) and offsite medication refills, facilitated transfer to out-of-community clinics, and routine screening for travel and hotline access to a mobility coordinator who oversaw intervention delivery
- Outcomes analyzed at 48 weeks



[Abstract here](#)

- No significant difference in viral suppression between the intervention (85%) vs. control (86%) arms.
- Improvement in retention in care (98.8% vs. 93.2%, adjusted risk ratio (aRR): 1.06 (1.02-1.1); $p < 0.001$; most notably in the unsuppressed and highly mobile populations and ART possession (97.5% vs. 91.4%, aRR: 1.07 (1.03-1.11); $p < 0.001$)

IAS Adolescent healthcare worker managed group model in community (Haiti)



FANMI: A Randomized Trial of Community Cohort Care for Adolescent Girls living with HIV in Haiti



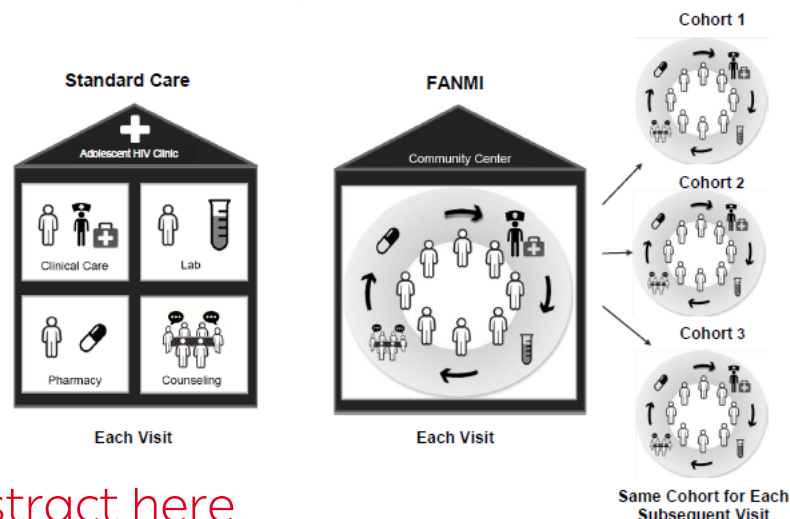
Vanessa Rouzier^{1,2}, Lindsey Reif¹, Marie J. Bajo², Rose Cardelle Riche², Heejung Bang³, Elaine J. Abrams⁴, Jessy Devieux⁵, Jean W. Pape^{1,2}, Daniel Fitzgerald¹, Margaret L. McNairy¹

	Standard Care in Adolescent Clinic	FANMI
Patient	INDIVIDUAL: Monthly individual clinic session at the Adolescent HIV Clinic	COHORT: Monthly cohort session with 5-8 peers in a community room
Setting	ADOLESCENT HIV CLINIC: All services including counseling, clinical, laboratory and pharmacy are provided at the Adolescent HIV Clinic at GHESKIO	COMMUNITY: All services including counseling, clinical, laboratory and pharmacy are provided in a group setting in the community
HIV Services	SEQUENTIAL: Each patient rotates to counselor, clinician, laboratory staff, and pharmacist individually and sequentially	INTEGRATED: Each patient receives all services in the cohort group session with one nurse

Table 2. Effect of FANMI intervention on retention in care at 12 months in intent-to-treat and per-protocol analyses

	FANMI	Standard Care	Unadjusted RR (95%CI)
Intent-to-treat	47/60 (78%)	51/60 (85%)	0.92 (0.78-1.09)
Per-protocol*	47/53 (89%)	51/58 (88%)	1.01 (0.88-1.15)

Figure 1. Illustration of HIV service delivery in Adolescent HIV Clinic and FANMI



Participants who self-presented to the adolescent HIV and were subsequently enrolled were more likely to achieve the primary outcome of retained in care at 12 months from ART initiation, compared to those who were recruited from a community setting and subsequently enrolled –95% vs. 70% in the FANMI arm (88% vs. 83% in the standard arm)

[Abstract here](#)

IAS Disengagement prevention (Zambia)



THE IMPACT OF PATIENT-CENTRED CARE ON HIV TREATMENT IN ZAMBIA: A STEPPED-WEDGE TRIAL

Jake M. Pry, Carolyn Bolton Moore, Kombatende Sikombe, Jacob Mutale, Charles B. Holmes, Izukanji Sikazwe, Brian Rice, Elvin Geng, Charles Goss, Ingrid Eshun-Wilson, Laura K. Beres, Njekwa Mukamba, Sandra Simbeza, Aaloke Mody, Anjali Sharma

- 24 clinics in Lusaka, Zambia stepped wedge trial design over 4 x 6 moth periods
- Intervention included
 - Systematic measurement and response to patient experience (satisfaction, HCW attitude/communication, timeliness)
 - Patient centred care training and mentoring
 - Small incentives to enhance performance improvement

[Abstract here](#)

Human-Centered Design Lessons for Implementation Science: Improving the Implementation of a Patient-Centered Care Intervention



Beres et al., JAIDS 2019

- No difference in treatment-failure (Risk difference (RD)=0.9%, 95% CI: -5.4 – 7.2).
 - Under-25s experienced the greatest improvement in treatment-success (RD 13.6% [95% CI: -1.4 – 28.6]).
- Among all individuals, retention increased in intervention group (RD 4.7% [95% CI: -0.3 – 9.7])
 - Greatest improvement among reengaged (RD 5.2% [95% CI: 0.1 – 10.3] and new ART patients (RD 11.3% [95% CI: 0.2 – 22.5]).
- After 6 months of intervention, patient experience improved considerably (Sum score mean, 0.85; 95% CI: 0.37 – 1.32).

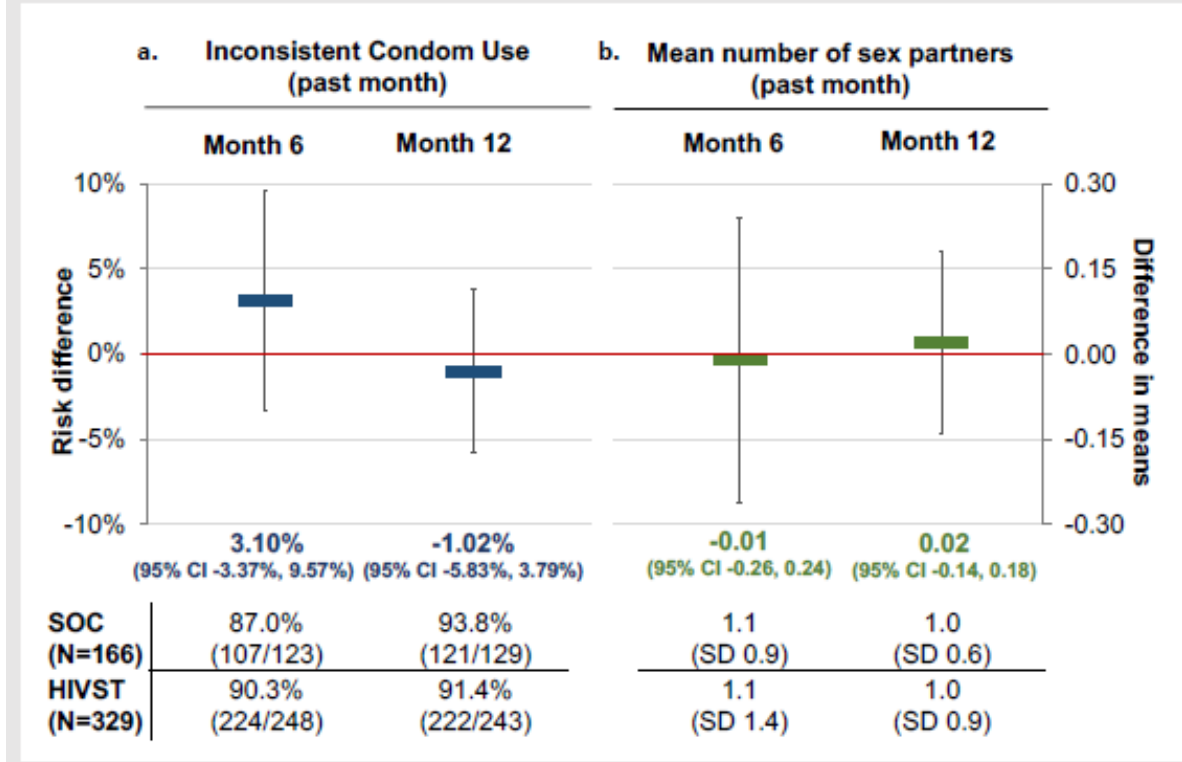
»DSD for PrEP

IAS 6-monthly PrEP refills using interim HIV self-testing (HIVST) (Kenya)

Effects of 6-month PrEP dispensing with HIV self-testing on sexual behaviors in Kenya

Ashley R. Bardon¹, Kenneth Ngure², Peter Mogere³, Katherine Thomas¹, Stephen Gakuo³, Catherine Kiptinness³, Sarah Mbaire³, Dorothy Mangale¹, Jacinta Nyokabi³, Nelly R. Mugo^{1,3}, Jared M. Baeten¹, Katrina F. Ortblad⁴

Fig. 2a & b. Effect of 6-monthly PrEP dispensing supported with HIVST on sexual behavior outcomes

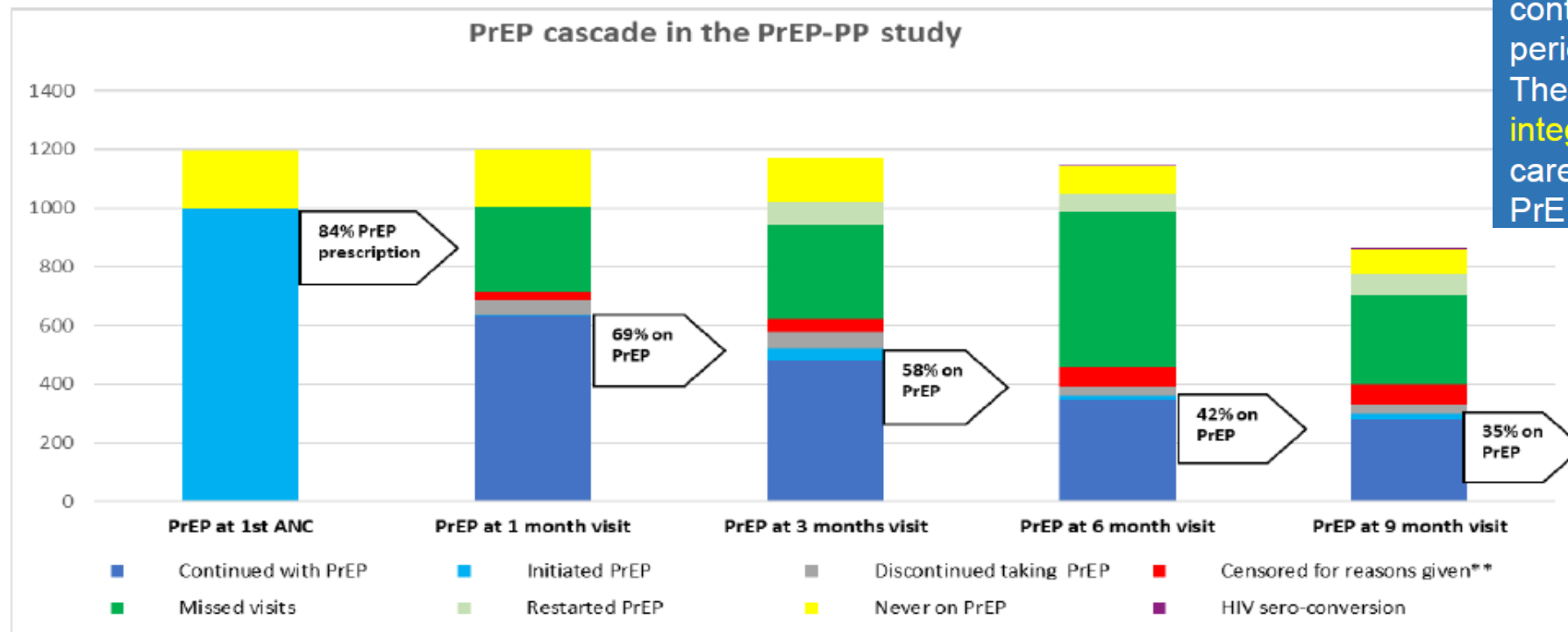


Six-month PrEP dispensing supported with interim HIVST did not have a significant impact on sexual behaviors among clients in Kenya.

Differentiated PrEP services within antenatal care (ANC) (South Africa)

Integrating PrEP into Antenatal Care for HIV-negative pregnant women in South Africa

Dorothy Nyemba¹, Rufaro Mvududu¹, Nyiko Mashele¹, Linda-Gail Bekker², Pamina Gorbach⁴, Thomas Coates³, Landon Myer¹, Dvora Joseph Davey^{1,3,4}



High PrEP initiation at first ANC visit, followed by rapid drop off in PrEP continuation, especially in postpartum period. There is an **urgent need for PrEP integration into ANC** and postpartum care including interventions to improve PrEP continuation.

IAS Integrated contraception/PrEP services within hair salons (South Africa)



A PILOT RANDOMIZED CONTROLLED TRIAL ASSESSING UPTAKE OF PREP AND CONTRACEPTION IN HAIR SALONS IN SOUTH AFRICA

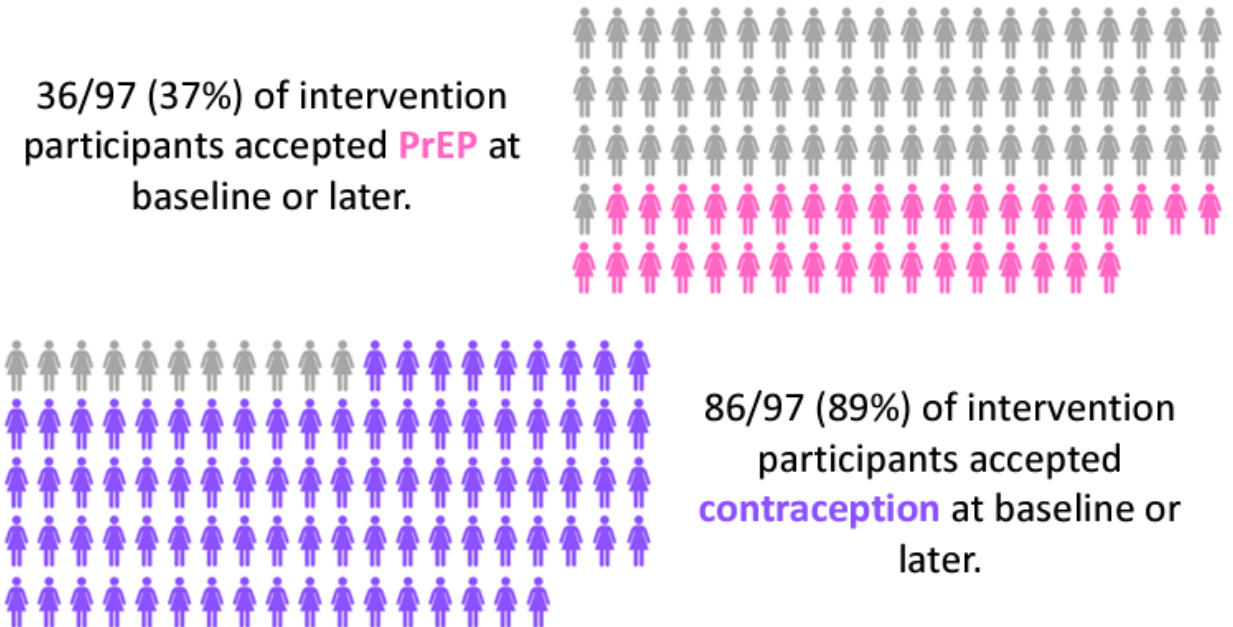
Abstract #999

Ingrid V. Bassett^{1,2,3}, Joyce Yan⁴, Sabina Govere⁵, Sthabile Shezi⁵, Lungile M. Ngcobo⁵, Taing Aung², Jana Jarolimova^{1, 2, 3}, Dani Zionts², Christina Psaros¹, Nduduzo Dube⁵, Robert A. Parker^{3,4,6}

¹Division of Infectious Diseases, Massachusetts General Hospital, Boston, MA; ²Medical Practice Evaluation Center, Massachusetts General Hospital, Boston, MA; ³Harvard Medical School, Boston, MA; ⁴Biostatistics Center, Massachusetts General Hospital, Boston, MA;

In South Africa, delivery of PrEP and contraception in hair salons was acceptable and reached young women with risk factors for unplanned pregnancy, STIs, and HIV. However, traditional risk factors for HIV were not associated with PrEP uptake.

Figure 1. PrEP and contraception uptake among intervention participants.



[Abstract here](#)

Differentiated PrEP services within private pharmacies (Kenya)

Client preferences for PrEP refills at facilities vs. pharmacies: a pilot In Kenya

Peter Mogere¹, Alexandra P. Kuo², Stephen Gakuo¹, Njeri Wairimu¹, Stephanie Roche³, Mary Mugambi⁴, Jared M. Baeten^{5*}, Kenneth Ngure^{1,6}, Katrina F. Ortblad³

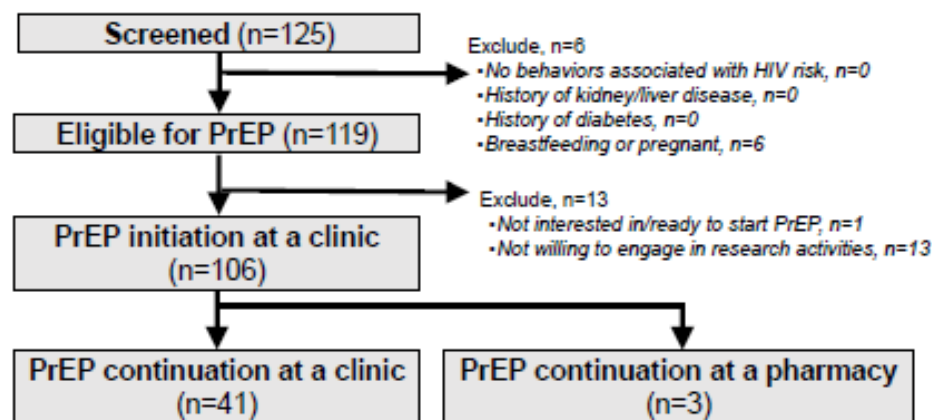
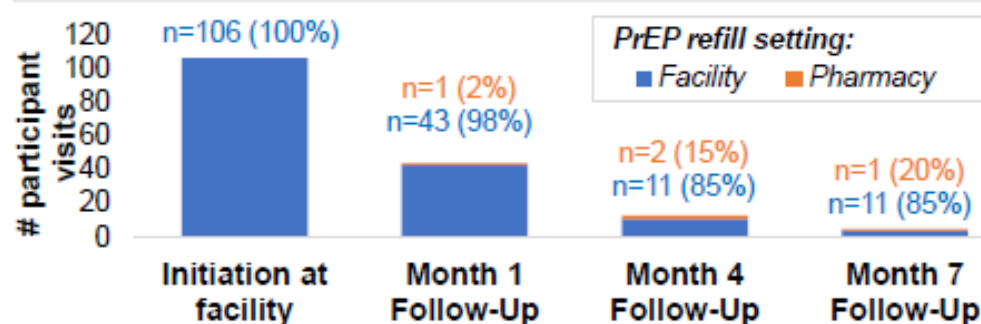


Fig. 1. Consort diagram: study enrollment & follow-up



Uptake of pharmacy PrEP refills was very low among clients engaged in clinic-delivered PrEP services, despite high interest (45% interested in pharmacy refills; only 3% refilled PrEP at the pharmacy).

Costs of providing pharmacy-initiated PrEP in Kenya: findings from a pilot study

1090

Alexandra P. Kuo¹, Obinna Ekwunife², Peter Mogere³, Victor Omollo⁴, Josephine Odoyo⁴, Yilin Chen⁵, Jared M. Baeten⁶, Elizabeth Bukusi^{4,5,7}, Kenneth Ngunjiri^{5,8}, Katrina F. Ortblad², Monisha Sharma⁵.

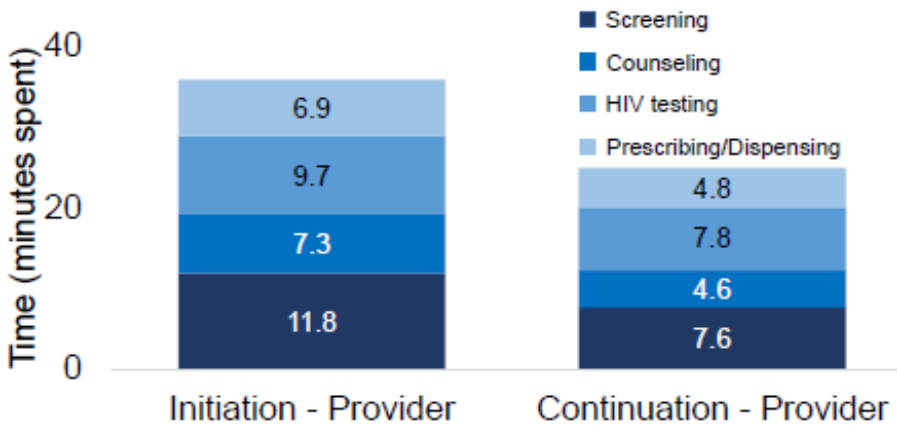


Fig. 1. Provider perspective time and motion

Delivery Category	Average provider financial cost, per visit ¹	
	Initiation	Continuation
Screening	\$0.38	\$0.25
Counseling	\$0.31	\$0.25
HIV testing ²	\$0.54	\$0.45
Prescribing/Dispensing ³	\$6.47	\$18.91
Total	\$7.70/ 1 month	\$19.86/3 months 3 months

¹Converted from KES to USD using conversion rate averaged from 11/2020 to 12/2021 (\$1USD = 110.72 KSH)

²Includes hypothetical HIV test cost if acquired, as this was donated for the study

³Includes hypothetical PrEP cost if acquired, as this was donated for the study

Daily oral PrEP can delivered at pharmacies at costs comprable to PrEP delivery at public clinics in Kenya

- The median financial cost per client for pharmacy providers to deliver PrEP was \$7.70 per month (IQR \$6.72-\$9.41) at initiation and \$19.86 per 3 months (IQR \$17.21-\$21.74) at continuation visits with PrEP drugs accounting for the greatest proportion of costs.

Prevention package choice in outpatient departments (OPD) (Kenya and Uganda)

Randomized Trial of Dynamic Choice Prevention at Outpatient Department in East Africa

Catherine A. Koss,¹ James Ayieko,² Jane Kabami,³ Laura B. Balzer,⁴ Elijah Kakande,³ Helen Sunday,³ Marilyn Nyabuti,² Erick Wafula,² Melanie Bacon,⁵ Elizabeth A. Bukusi,² Gabriel Chamie,¹ Maya L. Petersen,⁴ Moses R. Kamya,^{3,6} Diane V. Havlir,¹

Figure 1. Dynamic Choice HIV Prevention Intervention Components

PRODUCT CHOICE <ul style="list-style-type: none"> • Oral PrEP (TDF/XTC) • PEP (pill in pocket option) (+ option to switch products over time) 	HIV TESTING CHOICE <ul style="list-style-type: none"> • Rapid test • HIV self-test option 	SERVICE LOCATION CHOICE <ul style="list-style-type: none"> • Clinic • Community site/home
PATIENT-CENTERED CARE MODEL <ul style="list-style-type: none"> • Phone access to clinician for PEP or PrEP starts, advice/questions (24hrs/7 days/week) • Longer PrEP supply for start/refills (up to 3 months) • Structured assessment of barriers to PrEP/PEP start/adherence, with personalized plans in response • Psychological support – referrals to counseling for trauma/gender-based violence 		

Figure 2. Choice of HIV prevention product, visit location, HIV testing in DCP intervention arm

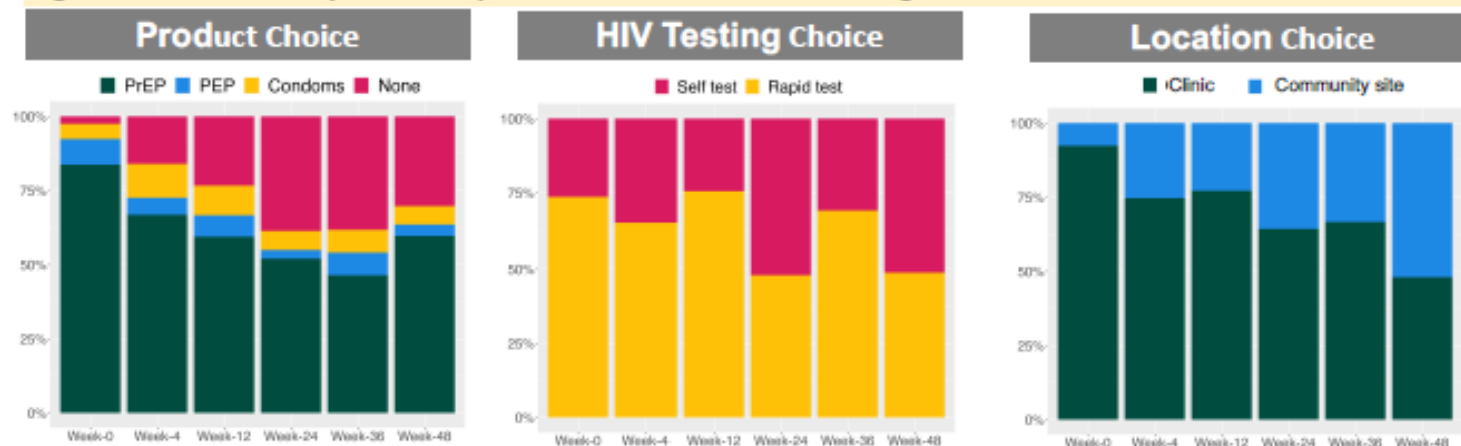
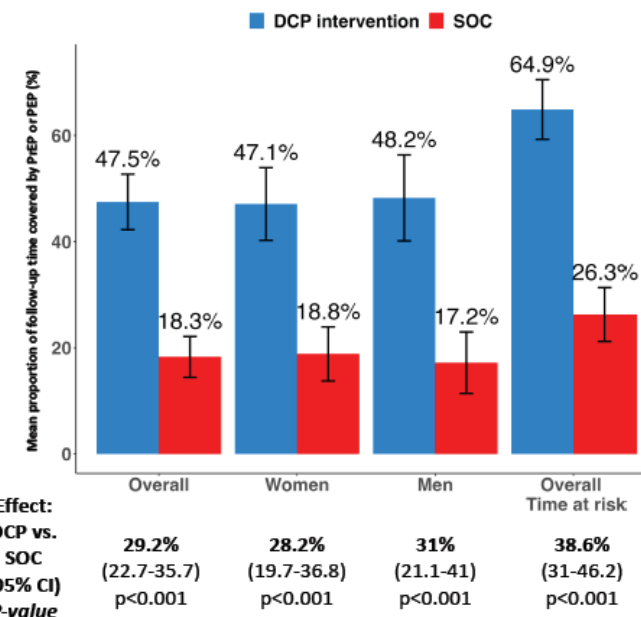


Figure 3. Primary outcome: Proportion of follow-up time covered by PrEP or PEP



A dynamic choice HIV prevention intervention – with choice of PrEP or PEP, HIV testing modality, and visit location, plus patient-centered care – resulted in *two-fold greater time covered by a biomedical prevention option* compared to SOC among women and men seen in general outpatient departments.

IAS Sexual and reproductive health (SRH) demand creation for prevention and ART services (South Africa)

INCREASED UPTAKE OF BIOMEDICAL HIV PREVENTION BY YOUTH THROUGH COMMUNITY-BASED SRH: A RCT

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Maryam Shahmanesh^{1,2,3}, Glory Chidumwa¹, Natsayi Chimbindi^{1,2,3}, Jacob Busang¹, Carina Herbst¹, Nonhlanhla Okesola¹, Jaco Dreyer¹, Thembelihle Zuma^{1,2,3}, Theresa Smit¹, Jean-Michel Molina⁴, Nuala McGrath^{1,5}, Guy Harling^{1,2,3,7}, Lorraine Sherr², Janet Seeley^{1,6}, Andrew Copas², Kathy Baisley^{1,6}, Isisekilo research group (Simphiwe Mdlui, Siphesihle Hlongwane, Samke Ngubane, Dumsani Gumede, Sithembile Msane, Ashley Jalazi, Thandeka Khoza, Kobus Herbst, Jana Jarolimova, Ngundu Osee Behuhuma)

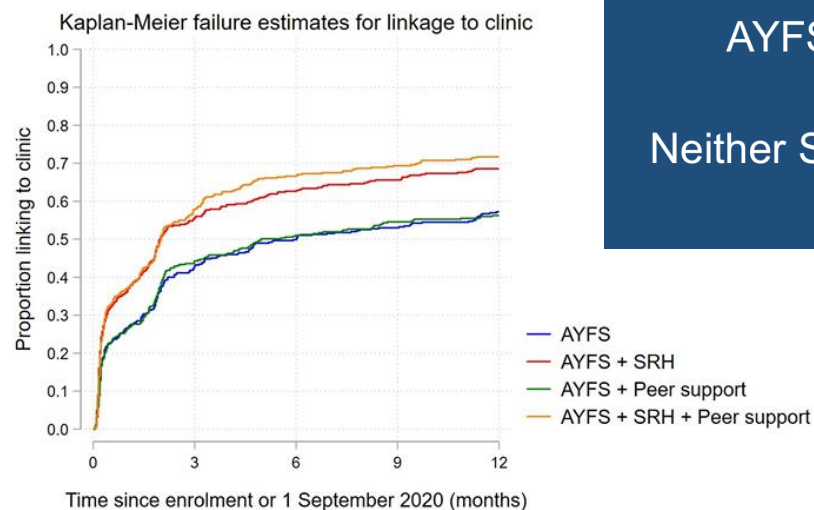
• Randomised into 4 arms:

Enhanced standard of care (SoC): mobile adolescent youth friendly services (AYFS) for differentiated HIV prevention (condoms, Universal Test and Treat, and PrEP if eligible)

Sexual and Reproductive Health (SRH): home-based self-collected specimens for STI testing (GeneXpert for gonorrhoea, chlamydia & trichomonas) and referral to AYFS for integrated SRH and HIV

Thetha Nami peer-support: referral to a peer navigator for needs assessment to tailor health and social support, condom provision and facilitation of AYFS attendance for differentiated HIV prevention

SRH plus Thetha Nami peer support into AYFS



In a 2x2 factorial RCT of representative sample of youth in South Africa

SRH (community STI testing and sexual reproductive health) increased demand for differentiated biomedical HIV prevention (linkage to AYFS within 60 days) aOR 1.61 (1.32-1.95)

Neither SRH or peer-support resulted in a reduction in prevalence of transmissible HIV

[Abstract here](#)

»DSD for HIV testing

IAS Leveraging HIVST to reach partners (Cameroon)

EFFECTIVENESS OF HIV SELF-TESTING IN CAMEROON: EVIDENCE FROM THE STAR INITIATIVE

P928

YAGAI BOUBA¹, ADAMOU SOULEYMANOU², AUDREY RAISSA DJOMO DZADDI¹, FATIMA MOULIOM NKAIN³, EBIAMA LIFANDA¹, EDWIGE OMONA², INGRID KENKO², ANTOINE SOCPA², MICHELINE MARIE JOSE ESSI², HADJA HAMSATOU CHERIF¹, SERGE CLOTAIRE BILLONG¹, ANNE CECILE ZOUNG-KANYI³

- OraQuick used
- Targeted men at risk, partners of HIV+ people and youth 18-24 years
- HTS = HIV testing site

Secondary distribution models through ANC and index testing were effective in identifying new cases.

RESULTS

Table 1. Outcome of HIV testing by self-tester according to sex, age, region, and distribution models.

Variable	Overall	Non reactive	Reactive	Invalid	P-value
Region, n (%)					
Centre	23008	22357 (97.2)	569 (2.5)	82 (0.4)	<0.001
Littoral	5920	5848 (98.8)	69 (1.2)	3 (0.1)	
South	7006	6790 (96.9)	187 (2.7)	29 (0.4)	
Distribution type, n (%)					
Primary	23854	23534 (98.7)	218 (0.9)	102 (0.4)	<0.001
Secondary	12080	11461 (94.9)	607 (5.0)	12 (0.1)	
Distribution models, n (%)					
ANC	7630	7376 (96.7)	246 (3.2)	8 (0.1)	<0.001
Partners of PVVIH	4539	4157 (91.6)	378 (8.3)	4 (0.1)	
Workplace	7309	7218 (98.8)	85 (1.2)	6 (0.1)	
Community	16309	16111 (98.8)	102 (0.6)	96 (0.6)	<0.001
HTS	147	133 (90.5)	14 (9.5)	0 (0.0)	
Age categories, years, n (%)					
<25	18415	18142 (98.5)	175 (1.0)	98 (0.5)	<0.001
25-39	11689	11252 (96.3)	424 (3.6)	13 (0.1)	
≥40	5830	5601 (96.1)	226 (3.9)	3 (0.1)	
Sex, n (%)					
Male	25710	25064 (97.5)	570 (2.2)	76 (0.3)	0.144
Female	10224	9931 (97.1)	255 (2.5)	38 (0.4)	
HIV testing History, n (%)					
At least one	29703	28949 (97.5)	679 (2.3)	75 (0.3)	<0.001
Never	6019	5843 (97.1)	137 (2.3)	39 (0.6)	
Unknown	212	203 (95.8)	9 (4.2)	0 (0.0)	
Total	35934	34995 (97.4)	825 (2.3)	114 (0.3)	

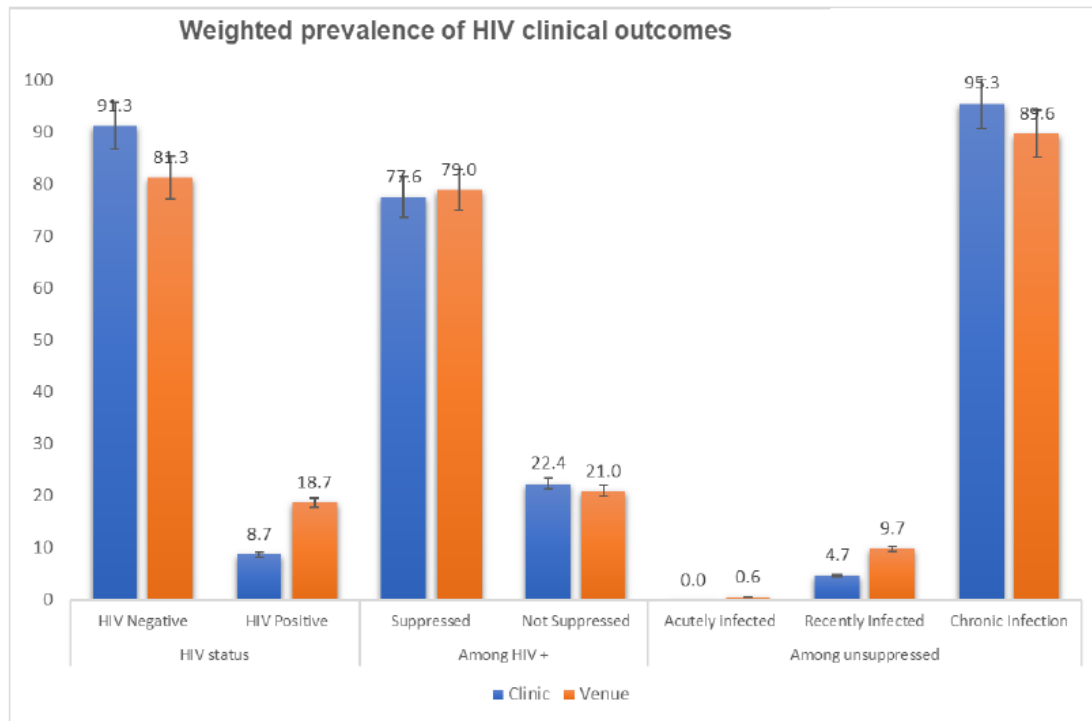
[Abstract here](#)

IAS Venue based testing improves targeting of community based testing (Malawi)

ARE VENUE-BASED STRATEGIES THE TICKET TO THE LAST MILE IN HIV PREVENTION IN MALAWI

1087

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RESULTS

- Compared to the clinic population, the venue population was more likely to: be male (69% vs 28%); aged >25 years (61% vs 51%); unmarried (62% vs 40%); drink alcohol daily (44% vs 8%); have more sexual partners in the last year (mean 16 vs 2); report a new sex partner in the past 4 weeks (42% vs 15%); and report transactional sex (52% vs 12%).
- HIV prevalence was higher among the venue population (19% vs 9%); the proportion HIV+ suppressed was similar (78% vs 79%) as shown on the bar graph.
- Among women recruited at venues, prevalence increased by age: 0% among age 15-17 to 43% among age 18-21.

Modelling: Leveraging HIVST to increase community PrEP delivery (Kenya)

Modeled Impact of HIV Self-testing for PrEP Scale-up on Drug Resistance in Kenya

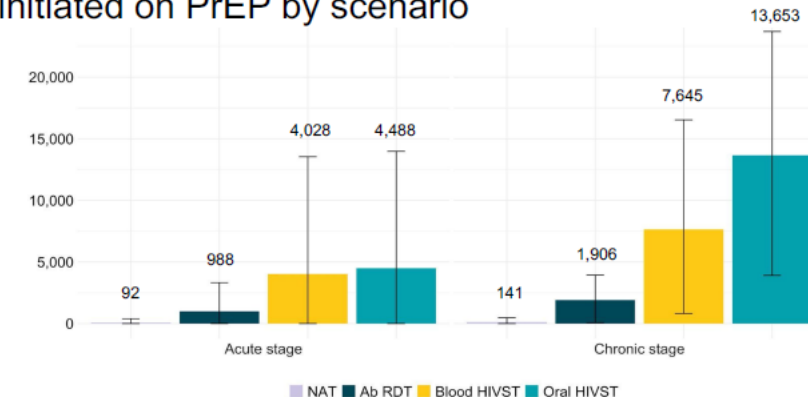
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Average time persons with HIV were inappropriately taking PrEP was short across scenarios (approximately 3 months)

Table 1. NRTI resistance over 20 years by scenario

Scenario	Total HIV infections with NRTI resistance	HIV infections with PrEP-associated NRTI resistance (%)	Population prevalence of NRTI resistance (%)
No PrEP	71,167 (48,759 - 90,446)	-	1.4 (1.0 - 1.8)
NAT	63,670 (44,748 - 81,353)	0.1 (0.1 - 0.1)	1.3 (0.9 - 1.6)
Ab RDT	64,288 (45,411 - 81,986)	0.2 (0.1 - 0.2)	1.3 (0.9 - 1.6)
Blood HIVST	66,253 (47,063 - 85,003)	0.5 (0.3 - 0.7)	1.3 (0.9 - 1.7)
Oral HIVST	67,410 (47,279 - 87,255)	0.7 (0.5 - 0.9)	1.3 (0.9 - 1.7)

Figure 3. Persons with HIV inappropriately initiated on PrEP by scenario



Broad community scale-up of oral PrEP supported by **HIV self-testing** shows a similarly **low risk of drug resistance** compared to provider-administered testing.

IAS Web-based demand creation and courier provided HIVST services (India)

Virtual Support Improves Client Experiences with an Online HIV Self-testing Service in India

931



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- o Web-based HIVST service in India
- o Virtual counsellors (VCs) were available to clients for pre/post-test counseling and assistance with using the kits, including interpreting and uploading results to the website, and linkage to appropriate services

Table 1. Process and client characteristics

Ordered HIVST
(as of Aug. 2022)

Clients	5015
Received kit	87%
Completed test*	
Reported result	82%
Screened positive	5%
Male	74%
Median age (IQR)	26 (23-30)
Kits sent via courier	45%
Ordered >1 HIVST kit	9%

[Abstract here](#)