	Table 1	l. Summary	of studies	5	
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		Country of	Study		Sample		
Author (Year)	Title	Study	Design	Population	Size	Intervention	Key Outcomes
	Factors affecting						
	initiated HIV testing and						
	counseling services among						
	outpatient clients in						
	selected health facilities in						Uptake of PITC was 70.6% in this
Abdurahman	Harar town, Eastern		Cross-	General			population.
(2015)	Ethiopia	Ethiopia	sectional	public	520	PITC	HIV+: not reported.
	Acceptability of provider-						
	intervention for prevention						
	of mother to child						
	transmission of HIV and						
	associated factors among			Prognant			
	pregnant women attending			Women			Participated in study: 07% (386/308)
	at Public Health Facilities in		Cross-	Partners			Accented DITC: 80.8% (312/386)
Abtew (2015)	Ethiopia	Ethionia	sectional	Infants	386	PITC	HIV+: not reported
ABICW (2013)	Evaluating the effect of HIV	Ethopia	Sectional	intants	500		Facility based Asserted LICT: 70%
	prevention strategies on						(1 542 (1 088) HIVL: 00((177 (1 056)
	uptake of HIV counselling						$(1,542/1,988)$, $\Pi V + 9\% (177/1,950)$.
	and testing among male		Cobort with			Eacility bacad tasting	(12, 425 (14, 726) μ ($12, 29$ (480/14, 671)
Adebaio	most-at-risk-populations in		comparison			mobile testing neer-	(12,423/14,720), 11104. 3% (460/14,071).
(2015)	Nigeria; a cross-sectional	Nigeria	group(s)		31 609	educator testing	(14.040/14.895) HIV+: $(1.853/14.662)$
(2013)	Improved identification and	Nigeria	group(3)		51,005		(14,040/14,895), 1101. (1,855/14,002).
	enrolment into care of HIV-						1,781 HEI were enrolled, with 102 (5.7%)
	exposed and -infected						7 CFS children aged 18 months to 15
	infants and children		Cobort with				7,058 children aged 18 months to 15
Ahmod	following a community		comparison	Childron /Ad		Eacility based testing	individuals tosted) HIV+: 251/7658
(2015)	health worker intervention	Malawi	comparison group(c)	clinicien/Au	7 659	and UPUCT	(4.6%)
(2013)	in Liongwe, Malawi.		group(s)	Ulescents	7,038		(4.0%).
							65.7% (1.030/1.567) Eligible index
							natients: 44.8% (461/1.030) Consenting
	Index case finding facilitates		Cohort			HBHCT and facility-	index natients: 93 5% (431/461)
	identification and linkage to		without	Partners or		based testing for	Number of households with at least 1
Ahmed	nersons living with HIV/AIDS		comparison	contacts of		household members	child or young person tested: 62.6%
(2017)	in Malawi	Malawi	group	PLHIV	711	of PLHIV	(270/431). HIV+: 4% (28/711).

							590 TB patients; 85.9% knew HIV status.
	Delivering TB/HIV services						HIV screening was highest (98.6%
	in Ghana: a comparative		Pre- and	Other:		One-stop shops,	[95%CI: 97.6-99.5%]) at the one-stop
	study of service delivery		Post-	People with		partially integrated	shop and lowest (72.5% [71.9-73.9%]) at
Ansa (2014)	models	Ghana	intervention	ТВ	590	sites, referral sites	the referral site.
							Intent-to-treat analysis: HIVST sensitivity
							90% in unsupervised arm and 100% in
	Accuracy of un-supervised						provider-supervised arm (difference: -
	self-administered HIV						10%, 90% CI -21 to 1%)- failed to prove
	testing in Uganda: a			Other:			non-inferiority. Per protocol analysis,
Asiimwe	randomized			Fishing		Supervised vs	difference in sensitivity was -5.6% (90%
(2014)	implementation trial	Uganda	RCT	community	246	unsupervised HIVST	CI -14.4, 3.3%).
	Mobile, population-wide,		Cohort				
	hybrid HIV testing strategy		without			Community health	Total tested: 82% (72,241/87,700).
	childron tostod in rural	Kenva and	comparison			campaign followed by	66.421 by campaign, 5.820 by HBHCT.
Avieko (2018)	Kenva and Uganda	Uganda	group	Children	87,700	нвнст	HIV+: 1.1% (817/72,241).
	, 0						Intervention group HIV testing within 4
	Effect of multiple						months: baseline 9% (13/145), post-
	intervention models on					Peer educators,	intervention 99% (270/272).
	uptake of HIV testing			Other:		HBHCT, and	Control group HIV testing within 4
	behaviour among residents		Cohort with	Residents of		awareness campaigns	months: baseline 7% (9/127), follow-up
Azuogu	of military cantonments in		comparison	military		vs non-HIV health	26% (37/144).
(2018)	south-east Nigeria	Nigeria	group(s)	containment	700	promotion	HIV+: not reported.
	Uptake of voluntary						
	counselling and testing						
	among young people						Opt-out VCT: 90.9% (2.822/3.128)
	participating in an HIV						Opt-in VCT : 60.5% (2.041/3.361)
	of opt-out and opt-in		Cross-	Children/Ad			Prevalence ratio=1.51. CI=1.41-1.62
Baisley (2012)	strategies	Tanzania	sectional	olescents	12.590	Opt-out vs opt-in VCT	HIV+: 2.7% (334/12.590).
	Findings from home-based				/		91% (41.91E/E1.290) individuals
	HIV testing and facilitated		Cohort				61% (41,615/51,560) IIIuividuais
	linkage after scale-up of test		conort				Accepted LIN/ testing: 260/
	and treat in rural South		without				Accepted Hiv testing: 20%
Paiclov (2010)	Africa: young people still	South Africa	comparison	Adulta	E1 200	Прист	(10,257/38,827).
Baisley (2019)	missing	South Africa	group	Aduits	51,380	пыпст	$\Pi V + 8\% (784/10,257).$
							women tested and received results 16%
							(119/760) of couples both tested and
	Comparing couples' and			Pregnant			received results
	individual voluntary			Women		Couples counseling	Individual testing: 71% (538/761) of
	counseling and testing for			Partners		and testing vs	women tested and received results
Becker (2010)	Tanzania: a randomized trial	Tanzania	RCT	Infants	1 5 2 1	individual VCT in ANC	HIV+: 10% (93/922)
DCCKEI (2010)		Tanzania	net i	mants	1,321		111 1. 10/0 (35/322).

Bhattacharjee (2018)	Micro-planning at scale with key populations in Kenya: Optimising peer educator ratios for programme outreach and HIV/STI service utilisation	Kenya	Cohort without comparison group	FSW, MSM	FSW: 133,675 (estimat ed). MSM: 18,460 (estimat ed)	Country-wide Peer Educator program with quarterly quality improvement	Lower FSW:Peer Educator (<90:1) and MSM:Peer Educator (<60:1) ratios resulted in more frequent HIV testing (p<0.001, CI not reported). HIV+: not reported.
Bianchi (2019)	Evaluation of a routine point-of-care intervention for early infant diagnosis of HIV: an observational study in eight African countries	Cameroon, Côte d'Ivoire, Kenya, Lesotho, Mozambique, Rwanda, Swaziland, Zimbabwe	Cohort without comparison group	Pregnant Women, Partners, Infants	21,095	Conventional vs point of care HEI HIV testing	Caregivers received results within 30 days: Conventional 18.7% (542/2,898), Point of care 98.3% (18,737/19,058). HIV+: 3.8% (792/20,865).
Bochner (2019)	Strengthening provider- initiated testing and counselling in Zimbabwe by deploying supplemental providers: a time series analysis	Zimbabwe	Cohort with comparison group(s)	General public	468,858	Supplemental PITC at outpatient department clinics	Each person-week of PITC provider deployment at a facility was associated with an additional 16.7 (95% CI, 12.2– 21.1) individuals tested and an additional 0.9 (95% CI, 0.5–1.2) individuals diagnosed with HIV.
Brown (2011)	HIV partner notification is effective and feasible in sub-Saharan Africa: Opportunities for HIV treatment and prevention	Malawi	RCT	Partners or contacts of PLHIV	302	Partner notification: passive, contract, or provider	84% (252/302) partners locatable. Passive referral HCT: 24% (20/82). Contract referral HCT: 51% (45/88). Provider referral HCT: 51% (42/82). HIV+: 64% (67/107).
Brunie (2016)	Expanding HIV testing and counselling into communities: Feasibility, acceptability, and effects of an integrated family planning/HTC service delivery model by Village Health Teams in Uganda	Uganda	RCT	Adults	137	Community-based HCT integrated with family planning services	Accepted testing: 80% (110/137). HIV+: not reported
Byamugisha (2010)	Dramatic and sustained increase in HIV-testing rates among antenatal attendees in Eastern Uganda after a policy change from voluntary counselling and testing to routine counselling and testing for HIV: a retrospective analysis	Uganda	Cohort with comparison group(s)	Pregnant Women, Partners, Infants	54,898	Voluntary vs routine counselling and testing	VCT: Pregnant women tested: 22.0% (6,570/29,834). Male partners tested: 87.5% (70/80). HIV+: 8.8% (581/6,640). Routine Testing: Pregnant women tested: 87.6% (21,538/24,595). Male partners tested: 100% (389/389). HIV+: 5.3% (1,172/21,927).

	of hospital records, 2002-						
-	2009						
Byamugisha (2011)	Male partner antenatal attendance and HIV testing in eastern Uganda: a randomized facility-based intervention trial	Uganda	RCT	Pregnant Women, Partners, Infants	1,060	Male partner antenatal invitation vs informational letter	Invitation: Male partner attended clinic: 16.2% (86/530). Received testing: 95% (82/86). HIV+ (men and women): 3.8% (11/290). Informational Letter: Male partner attended clinic: 14.2% (75/530). Received testing: 91% (68/75). HIV+ (men and women): 4.5% (14/310).
Cham (2019)	Methods, outcomes, and costs of a 2.5 year comprehensive facility-and community-based HIV testing intervention in Bukoba Municipal Council, Tanzania, 2014-2017	Tanzania	Cross- sectional	General public	133,695	PITC, HBHCT, venue- based testing implemented	In 2.5 years PITC, HBHCT, and venue- based accounted for 66%, 21%, and 13% of the 133,695 tests conducted, respectively. HIV+: 4.2% (5,550/133,695 tests)
Chamie (2018)	Comparative effectiveness of novel non-monetary incentives to promote HIV testing: a randomized trial	Uganda	RCT	Men	2,532	Community health campaign	Accepted Testing: 76% (1,924/2,532). HIV+: 7.6% (146/1,924)
Chanda (2017)	HIV self-testing among female sex workers in Zambia: A cluster randomized controlled trial	Zambia	RCT	FSW	965	Peer educator delivery of HIVST kit, coupon for HIVST, or referral to clinic for HCT	HIV testing in previous month at 1 month: delivery 95% (280/296), coupon 84% (248/294), referral 89% 262/296). HIV testing in previous month at 4 months: delivery 75% (248/295), coupon 78% (241/302), referral 75% (226/301). HIV+: 16% (144/886)
Choko (2015)	Uptake, Accuracy, Safety, and Linkage into Care over Two Years of Promoting Annual Self-Testing for HIV in Blantyre, Malawi: A Community-Based Prospective Study.	Malawi	Cohort without comparison group	Adults	16,660 (estimat e)	HIVST kits offered to residents yearly	Year 1 testing: 84% (14,004/16,660). Year 2 testing: 83% (13,785/16,660). Year 1 HIV+ by returned kits: 10%. Year 2 HIV+ by returned kits: 7%
Choko (2018)	A pilot trial of the peer- based distribution of HIV self-test kits among fishermen in Bulisa, Uganda	Uganda	Cohort without comparison group	Other: Fishermen	116	19 community members recruited and offered HIVST kits	Completed HIV testing: 82% (95/116), HIV+: 5% (4/87)
Choko (2019)	HIV self-testing alone or with additional interventions, including financial incentives, and linkage to care or prevention among male	Malawi	RCT	Pregnant Women, Partners, Infants	2,091	Invitation for male to join vs interventions: (1) letter + self-testing kits (ST) to take to her partner, (2) ST + 3\$	Evidence of male partner testing within 28 days Invitation Letter: (56/408) ST: (85/442)

	partners of antenatal care					financial incentive. (3)	ST+\$3: (155/380)
	clinic attendees in Malawi:					ST + 10S incentive. (4)	ST+\$10: (266/51212
	An adaptive multi-arm,					ST + 10% chance of	ST+Lottery : (30/155)
	multi-stage cluster					winning 30 \$ (5)ST +	ST+Phone call: (84/452)
	randomised trial					phone call reminder to	HIV+: 6 8% 46/676
						male nartner	
							HIV testing untake in intervention
	Impact of Integrated					Integrated family	facilities baseline 28% post
	Services on HIV Testing: A		Cohort with				intervention 66%
	Nonrandomized Trial among		comparison				HIV testing untake in comparison
Church (2017)	Kenyan Family Planning	Karava	comparison	٥ مار را به م	000	services vs referral for	fivition booling 40% follow up (10)
Church (2017)		кепуа	group(s)	Adults	882	HCI	facilities: baseline 48%, follow-up 61%
	Effectiveness of an SMS-			Pregnant		SMS-based maternal	
	intervention to improve		Cohort with	Women,		health/HIV support	HEI HIV testing at 6 weeks: Intervention
Coleman	clinical outcomes of HIV-		comparison	Partners,		intervention to HIV+	81.3%, Comparison 75.4%.
(2017)	positive pregnant women	South Africa	group(s)	Infants	839	mothers	HIV+ infants: 0.5% (3/639)
			0 1()				Kigali
							1.940 women tested: Couples testing:
							49.3% (n=956) Individual: 50.3%
							(n=984)
							H_{1} H_{1
	Couples' voluntary					Same-day individual	
	counselling and testing and		Cohort	Prognant		VCT and wookond	1 685 women tested: Couples testing:
	nevirapine use in antenatal		without	Momon			20.2% (n=662) Individual: 60.7%
Conkling	clinics in two African	Bwanda	comparison	Nomen,		couples ver at	(n=1.022)
(2010)	capitals: a prospective	Rwallua,	comparison	Partiers,	2.625	afferred	(11-1,022)
(2010)	conort study	Zambia	group	infants	3,625	offered	HIV+: 27% (448/1,685).
							Couples testing: baseline: 1.8%, post-
							Intervention: 35.2%.
	Increasing partner HIV					Tools to record and	TB patients testing HIV+: 44.9%
	testing and linkage to care		Cohort			facilitate couples HIV	(508/1,132). Others testing HIV+: 19.8%
	in TB settings: findings from		without	Other:		service delivery and	(253/1,288) couples HIV testing
Courtenay-	an implementation study in		comparison	People with		training for TB clinic	increased in both clusters from 1.8% to
Quirk (2018)	Pwani, Tanzania	Tanzania	group	ТВ	1,288	staff	35.2%
	Provider-initiated HIV						
	testing and counseling:						Significantly more participants in PITC
	increased uptake in two		Cohort with				intervention accepted HIV testing
	contors in South Africa and		comparison			PITC vs referral for	compared to those following referral for
Dalal (2011)	implications for scale-up	South Africa	group(s)	Adults	912	VCT	VCT (55% vs 31% OR 2 70 Cl 1 65-4 42)
20111 (2011)			Cohort	, (duit)	512		
			without	Adults and			Accontrol tosting: 91 7%
	Home-based HIV testing		comparison	high rick			$(10,066/24,450)$ $\Box IV(\pm,12,90)$
Dalal (2012)	and counseling in rural and	Konya	group	childron	24.450	ирист	(13,300/24,430), ПІХТ. 13.070 (2765/10.066)
Dalai (2013)	urban Kenyan communities	Kellyd	group	cilluren	24,430	прист	(2703/13,300).

Daniels	Shout-It-Now: A Mobile HCT Model Employing Technology and Edutainment in South Africa	South Africa	Cohort with comparison	Adults,	72 220	Community-based	Accepted HCT: not reported. HIV+: 4.6%
Darbes (2019)	Results of a couples-based randomized controlled trial aimed to increase testing for HIV	South Africa	RCT	Other: Couples	334	5 counseling sessions to encourage couples' HIV testing and disclosure	Participation in Couples HCT: Intervention group: 42% (71/168), Control group: 12% (20/164). HIV rates: Intervention couples: 46% were concordant HIV-negative, 30% were concordant HIV-positive, and 24% were serodiscordant. Control couples: 55% were concordant HIV negative, 30% were concordant HIV-positive, and 15% were serodiscordant.
DeTolly (2012)	Investigation into the use of short message services to expand uptake of human immunodeficiency virus testing, and whether content and dosage have impact	South Africa	RCT	General public	2,533	Use of motivational vs informational SMS to improve uptake of HCT	10 informational messages had no significant difference on testing uptake (OR=1.05, CI: 0.77-1.44, p=0.809). Receiving 10 motivational messages had a 1.7x increased odds of testing (CI: 1.19- 2.44, p=0.0036).
Do (2014)	Impacts of four communication programs on HIV testing behavior in South Africa	South Africa	Cross- sectional	General public	6,004	Effect of TV series on promoting HIV testing	Exposure to the communication programs increased perceptions of peoples' friends getting testing (OR 1.05, standard deviation 0.01, P<0.001). This was associated with increased the likelihood of people talking to their friends and partners about being tested (OR 1.08, standard deviation 0.01, P<0.001). Those who perceived a high level of testing among friends were 25% more likely to have tested (standard deviation 0.09, p<0.01)
Doherty (2013)	Effect of home based HIV counselling and testing intervention in rural South Africa: cluster randomised trial	South Africa	RCT	Adults, adolescents	4,154	HBHCT vs Facility based HCT (standard care)	Accepted HCT: home-based 69% (1,392/2,025), facility-based 47% (99/2,129) (prevalence ratio 1.54, 95% confidence interval 1.32 to 1.81). HIV+: home-based: 6% (76/1,276), facility-based: 10% (85/841).
Dube (2012)	Implementing early infant diagnosis of HIV infection at the primary care level: experiences and challenges in Malawi	Malawi	Cohort without comparison group	General public	1,214	Early infant diagnosis program: education, community sensitization, free	HEI tested: 71.6% (869/1,214) Screening test HIV+: 14.5% (126/869). Received HIV+ results: 87.3% (110/126).

						infant testing at 6	Confirmatory testing showing true HIV+:
						weeks of age, and	85.4% (88/103).
						active tracing of HEI	
						treatment and care	
				Pregnant		treatment and care.	Patients admitted for labor enrolled in
				Women.			study: 33.2% (508/1.530)
Ekouevi	of rapid HIV screeping in a		Cross-	Partners.		HIV testing in labor	Accepted testing: 91.9% (467/508)
(2012)	labour ward in Togo	Тодо	sectional	Infants	508	ward	HIV+: 8.8% (41/467), 14 newly diagnosed
	Effect of a congregation-						
	based intervention on						
	uptake of HIV testing and			Pregnant			
	women in Nigeria (Baby			Women,			The intervention was associated with
Ezeanolue	Shower): a cluster			Partners,		Congregation-based	higher HIV testing (4.6% vs. 91.9% [AOR=
(2015)	randomised trial	Nigeria	RCT	Infants	3,002	antenatal intervention	11.2; 95% CI: 8.77-14.25, p <0.001]).
	Implementation and						
	Operational Research: The						Testing uptake improved from 71% to
	Ont-Out HIV Testing for		Pre- and				95% and the adjusted risk of receiving an
Ferrand	Children in Harare,		Post-	Children/		Routine Opt-Out HIV	HIV test during the ROOT period was
(2016)	Zimbabwe	Zimbabwe	intervention	Adolescents	10,673	Testing (ROOT)	1.99 (CI 1.85-2.14).
	Lessons learned from						
	implementing the HIV infant						
	(HITSystem): A web-based			Pregnant			Mean turn-around time from sample to
	intervention to improve		Pre- and	Women,			results: 3.3 weeks (Standard deviation:
Finocchario-	early infant diagnosis in		Post-	Partners,	estimate	HIV Infant Tracking	1.7).
Kessler (2015)	Кепуа	Kenya	intervention	Infants	d 2,625	System (HITSystem)	HIV+: 5.6% (n=147).
							92% (399/436) sites saw significant
					457		increased average monthly testing post-
	The HIV diagnostic		Due end		facilities	Task shifting to	intervention. Estimated post-
	assistant: early findings		Pre- and		received	workers solely focused	intervention that 34% of tests (2.6
Elick (2010)	from a novel HIV testing	Malawi	POSI-	Adults	ion	on Hiv and STI testing	intervention
THER (2013)	Towards 90-90' Findings		Intervention	Addits		301 11003	
	after two years of the HPTN						
	071 (PopART) cluster-		Cohort				Accorted HCT: 64% (58 072/120 272)
	randomized trial of a		without				Accepted HC1: 64% (58,073/120,272).
	universal testing-and-		comparison	Adults			82% (74 401/120 272) HIV+- 12 8%
Flovd (2018)	Zambia	Zambia	group	adolescents	120,272	НВНСТ	(11.607/90.781).
	Strong offects of home		0.000			HBHCT vs Facility	Received HCT within a year of follow-up:
Fylkesnes	based voluntary HIV			Adults,		based HCT (standard	HBHCT: 60.3% (504/836) Facility-based:
(2013)	counselling and testing on	Zambia	RCT	adolescents	1,702	care)	36.4% (312/858).

	acceptance and equity: A						HIV prevalence among tested
	cluster randomised trial in						individuals: 8.8% in men and 9.7% in
	Zambia						women (raw data not reported).
George	Costing analysis of an SMS- based intervention to promote HIV self-testing amongst truckers and sex			FSWs, male	2,262 truckers and 2,196	SMS promoting facility-based testing vs promoting HIVST	Truckers tested: HIVST promotion: 3.5% (26/750), standard of care: 1.3% (10/762). FSWs tested: HIVST promotion: 10.8% (81/750), standard of care: 6.2% (73/696).
(2018)	workers in Kenva	Kenya	RCT	truck drivers	FSWs	kits	HIV+: not reported.
Gichangi	Impact of HIV self-test distribution to male partners of ANC clients: results of a randomized controlled trial in Kenya	Kenya	RCT	Pregnant Women, Partners, Infants	1 410	 (1)Venue-based HIV testing services vs (2)Improved card stating the importance of male HIV testing vs (3) 2 oral HIV self-test kits and HIV testing information 	Reported testing as a couple: Arm 1: 27% (110/406) Arm 2: 35.1% (136/387) Arm 3: 79.1% (334/422) HIV+: not reported
(2010)	Piloting a Social Networks	Kenyu		intants	1,410	internation	
Girault (2015)	Strategy to Increase HIV Testing and Counseling Among Men Who Have Sex with Men in Greater Accra and Ashanti Region, Ghana	Ghana	Cohort without comparison group	MSM	166	Peer referral from 25 "seeds"	12/25 seeds had no successful referrals. Referrals tested: 97.0% (161/166). HIV+: 32.9% (53/161).
	HIV retesting in pregnant		8				
Golden (2018)	women in South Africa: Outcomes of a quality improvement project targeting health systems' weaknesses	South Africa	Cohort with comparison group(s)	Pregnant Women, Partners, Infants	16 facilities	Quality improvement project with testing before antenatal appointments	Retesting in intervention clinics rose from 36% pre-intervention to full coverage post-intervention. Control clinics rose from 66% retesting to 95%.
	Effects of a Short Message Service (SMS) Intervention on Reduction of HIV Risk Behaviours and Improving HIV Testing Rates Among Populations located near Roadside Wellness Clinics: A Cluster Randomised Controlled Trial in South	South Africa,		FSW, male		6 mo of SMS on HIV risk reduction and	Tested within past 6 months: SMS group: 86.1% (232/375), Standard of care:
Govender	Africa, Zimbabwe and	Zimbabwe,	DCT		1 700	testing vs standard of	//./% (205/341).
(2018)	Mozambique	iviozambique	KU	Drivers	1,783	care	HIV+: not reported.
Hansoti	African Emergency Department: A missed		Cohort			Lay counselors provided non-targeted	Approached for testing: 24.6% (2,355/9,583)
(2018)	opportunity	South Africa	without	Adults	2,355	universal screening	Accepted testing: 72.8% (1,714/2,355)

			comparison group			with rapid point of care HIV testing to patients presenting to the emergency	HIV+ (including known cases): 21.6% (400/1,852), newly diagnosed: 115
						department	
Hayes (2017)	A universal testing and treatment intervention to improve HIV control: One- year results from intervention communities in Zambia in the HPTN 071 (PopART) cluster- randomised trial	Zambia	Cohort without comparison group	Adults	121,130	нвнст	Known HIV status at end of intervention (accepted testing, known HIV+, or HIV- test within past 3 months): 68.9% (83,487/121,130). HIV+: 15.4% (12,840/83,487).
Hector (2018)	Acceptability and performance of a directly assisted oral HIV self-testing intervention in adolescents in rural Mozambique	Mozambique	Cohort without comparison group	Children/ Adolescents	496	Directly assisted oral HIVST intervention	Accepted testing: 60.3% (299/496). HIV+: 1.7% (5/299).
Henley (2013)	Scale-Up and Case-Finding Effectiveness of an HIV Partner Services Program in Cameroon: An Innovative HIV Prevention Intervention for Developing Countries	Cameroon	Cohort without comparison group	Partners or contacts of PLHIV	1607	Partner notification	Index cases offered partner notification: not reported. Partners notified: 1347/1607 (83.8%). Partners tested: 900/1347 (66.8%). HIV+ Partners: 451/900 (50.1%).
Herce (2018)	Achieving the first 90 for key populations in sub- Saharan Africa through venue-based outreach: challenges and opportunities for HIV prevention based on PLACE study findings from Malawi and Angola	Malawi and Angola	Cohort without comparison group	FSW, MSM, and transgender women	1,924	Venue-based HCT at venues where key populations meet new sex partners	Offered testing: not reported. 1,924 tested. HIV+: ranged from 2% to 62% by location and population. More than 70% of HIV+ individuals were not previously aware of diagnosis.
Hewett (2016)	Randomized evaluation and cost-effectiveness of HIV and sexual and reproductive health service referral and linkage models in Zambia	Zambia	RCT	Adults	3,963	Randomized to: (1) standard of care vs. (2) enhanced counseling and referral to add-on service with follow-up, (3) components of 2 plus offer of an escort to a testing facility.	HCT uptake at 6 months in females: Arm 1: 28.3%, Arm 2: 34.9%, Arm 3: 33.9%.
Hu (2018)	The impact of lay counselors on HIV testing rates: quasi- experimental evidence from	South Africa	Pre- and Post- intervention	General public	24,526 tests	Lay counselors removed from a primary care clinic	Losing one lay counselor from a clinic was associated with a mean of 29.7 (95%

	lay counselor redeployment						CI: 21.2 - 38.2, p<0.001) fewer HIV tests
	Africa						carried out at the clinic per month.
	Provider-initiated (Opt-out)						
lie duus e le	HIV testing and counselling		Crease			Opt-out rapid tests at	Accorded to stime: $00.00(/251/252)$
IJadunola (2011)	in a group of university	Nizerie	Cross-	0 al 14 a	252	the university health	Accepted testing: 99.6% (251/252).
(2011)	Students in Ile-Ife, Nigeria	Nigeria	sectional	Adults	252	center	HIV+: 0%.
	promote male partner						
	attendance and couple						
	voluntary HIV counselling		Cohort	Drognant		written invitation	Destroy attandance: 52.5% (170/218)
	and testing in antenatal		without	Womon		northors of woman	Accord couples testing: 81% (128/170
leffervs	care: an implementation		comparison	Partners		attending antenatal	couples)
(2015)	study in Mbeya Region, Tanzania	Tanzania	group	Infants	318	care	HIV+: not reported
(2020)			Cohort		010		
	Bridging the gap: reaching		without				
	religious congregations in		comparison			Venue-based HCT at	Accepted testing: 43% (856/1,971).
Jobson (2019)	South Africa	South Africa	group	Adults	1,971	church services	HIV+: 3.2% (27/856)
	HIV positivity and referral to						
	treatment following testing		Cohort				
	of partners and children of		without	Partners or		Contact tracing of	16,033 tested, unknown number
Joseph Davey	public sector facilities in		comparison	contacts of		partners and children	contacted.
(2019)	South Africa	South Africa	group	PLHIV	16,033	of PLHIV	HIV+: 38% (6,038/16,033).
							PLHIV accepting intervention: 75%
							(5,937/7,916).
	HIV index testing to improve						Eligible contacts (biological children and
	HIV positivity rate and						sexual partners) receiving HBHCT: 72.4%
	linkage to care and		Cohort	5.			(10,854/14,986).
	treatment of sexual		without	Partners or			HIV+: adults: 17.6% (314/1,784),
lubiles (2010)	partners, adolescents and	Locatho	comparison	contacts of	14.096	HBHCI for nousehold	Adolescents: 2.4% (26/1,088), Children:
JUDIIEE (2019)	children of PLHIV in Lesotho	Lesotilo	group	PLHIV	14,900		1.4% (114/7,982).
							nast year: Intervention 81.6% (461/565)
							Control: 51 8% (287/555) Main reasons
	The seven Cs of the high		Cohort				for agreeing to testing: 76.6% (419/547)
	acceptability of home-based		without				wanted to know status, and 14.4%
Jurgensen	methods approach in		comparison			HBHCT. Follow-up of	(79/547) because visited by home-based
(2013)	Zambia	Zambia	group	Adults	1,220	Fylkesnes et al, 2013.	counsellor.
	Lise of a counsellor					Standard HCT vs	PLHIV who had a partner receive
	supported disclosure model		Cohort with	Partners or		counsellor-supported	testing: intervention: 28.4% (36/127),
Kababu	to improve the uptake of		comparison	contacts of		disclosure with follow-	control: 7.4% (11/149).
(2018)	couple HIV testing and	Kenya	group(s)	PLHIV	276	up for non-responders	HIV+: not reported.

	counselling in Kenya: a quasi-experimental study						
Kahabuka (2017)	Addressing the first 90: a highly effective partner notification approach reaches previously undiagnosed sexual partners in Tanzania	Tanzania	Cross- sectional	Partners or contacts of PLHIV	438	Partner Notification	390/653 (59.7%) of index cases participated. Partners presenting to clinic: 56.8% (249/438). Agreed to testing: 96% (239/249) HIV+: 61.9% (148/239).
Katbi (2018)	Effect of clients Strategic Index Case Testing on community-based detection of HIV infections (STRICT study)	Nigeria	Cohort without comparison group	Partners or contacts of PLHIV	888	Contact tracing	879/1,277 (68.3%) of index cases participated. Partners traced: 97.9% (870/888). Tested: 85.2% (741/870). HIV+: 51% (378/741).
Kelvin (2018)	Offering self-administered oral HIV testing to truck drivers in Kenya to increase testing: a randomized controlled trial	Kenya	RCT	Other: Truck Drivers	305	Choice of HIVST or provider-administered test vs SOC (provider- administered test only)	Choice arm: Agreed to testing: 80% (120/150). HIV+: 0% . SOC: Agreed to testing: 72.9% (113/155). HIV+: 1.8% (2/113).
Kelvin (2019) A	A randomized controlled trial to increase HIV testing demand among female sex workers in Kenya through announcing the availability of HIV self-testing via text message	Кепуа	RCT	FSW	2,196	SMS promoting facility-based testing vs promoting HIVST kits	Tested: HIVST promotion: 6.1% (46/750), facility-based testing promotion: 10.8% (81/750). HIV+: 0.2% (5/2196).
Kelvin (2019) B	Announcing the availability of oral HIV self-test kits via text message to increase HIV testing among hard-to- reach truckers in Kenya: A randomized controlled trial	Kenya	RCT	Other: Truck Drivers	2,262	SMS promoting facility-based testing vs promoting HIVST kits	Tested: HIVST promotion: 3.5% (26/750), facility-based promotion: 1.3% (10/750). HIV+: 0.2% (5/2,262).
Khumalo- Sakutukwa (2008)	Project Accept (HPTN 043): a community-based intervention to reduce HIV incidence in populations at risk for HIV in sub-Saharan Africa and Thailand	Tanzania and Zimbabwe	RCT	Adults	11,655	Mobile testing vs standard of care (facility-based testing)	10,187 individuals tested in mobile testing communities, 1,468 tested in standard of care communities. Individuals offered tests: not reported. HIV+: not reported.
Kose (2018)	Impact of a comprehensive adolescent-focused case finding intervention on uptake of HIV testing and linkage to care among adolescents in Western Kenya	Kenya	Pre- and Post- intervention	Children/ Adolescents	139 health care facilities, 103,164 tests	Health worker capacity building, program performance monitoring tools, adolescent-focused HIV risk screening	Pre-intervention period: 25,520 adolescents tested, unknown total offered testing, 198 testing HIV-positive (0.8%) Post-intervention period: 77,644 adolescents tested, unknown total

							tools, and adolescent	offered testing, 534 testing HIV-positive
							friendly hours.	(0.7%)
ſ								Percent of households sending 1+ child
		Economic incentives for HIV					Facility-based testing	to clinic for testing: no incentive: 20%
		testing by adolescents in				2,050	with a) no incentive,	(93/472), US\$2: 48% (316/654), Lottery:
	Kranzer	Zimbabwe: a randomised			Children/Ad	househol	b) US\$2 incentive for	40% (223/562).
	(2018)	controlled trial	Zimbabwe	RCT	olescents	ds	testing, or c) lottery	HIV+: not reported
ľ								Accepted Testing: HBHCT: 92.5%
								(1,083/1,1371), Mobile HCT: 86.7%
		clinic HIV tosting and						(1,207/1,392).
	Labhardt	counseling in rural Lesotho:			General			HIV+: HBHCT: 3.6% (39/1,083), Mobile
	(2014)	a cluster-randomized trial	Lesotho	RCT	public	2,562	HBHCT vs mobile HCT	HCT: 6.2% (75/1,207).
İ	`	Effect and cost of two				,		Known III) (Lor received tecting ofter 2
		successive home visits to		Cohort				$rac{1}{12}$
		increase HIV testing		conort				Offered and accented UCT: 85 20/
	Labbardt	coverage: a prospective		without	Conorol		LIDUCT with report	
		study in Lesotho, Southern	Locatha	comparison	General	19 226	NBRCT WITH repeat	(11,590/13,580).
ł	(2019)	Africa	Lesotho	group	public	18,330	VISIL	HIV+: 9.0% (1,705/18,330)
								Durbani basalina 40.0% nast
								intervention 82.2%
								Toto: baseline E6.0% to post
								intervention 70.0%
		Effect of a 'diagonal'					Training healthcare	Membasa: basalina 70.0% ta nast
		intervention on uptake of					Training nearthcare	intervention 97.0%
		HIV and reproductive health	Countly Africa	Due and			workers, peer	Intervention 87.6%.
		services by female sex	South Africa,	Pre- and			outreach, targeted	Self-report Hiv+ post-intervention:
	Lafart (2010)	workers in three sub-	Wozambique,	POST-	EC)A/	1 207	clinical services, and	Durban: 67.3%, Tete: 34.0%, Mombasa:
ŀ	Lafort (2018)	Saharan African cities	кепуа	Intervention	FSW	1,207	FSW empowerment	5.8%.
								New clients offered test: Integrated
								74%, Referral: 34%.
		Feasibility and effectiveness						New clients accepted testing or referral:
		of integrating provider-					Internation from the	Integrated 50%, Referral: 65%.
	Lie verbille	initiated testing and		Conort with			Integrated family	25% Defermed 20%
	Liamblia	counselling within family	Kanua	comparison	ماريامه	42.4	planning and PITC vs	35%, Referral 20%.
	(2009)	planning services in Kenya	кепуа	group(s)	Adults	424	Preferral for HCI	niv+: not reportea.
							2 mobile clinics for	
				Calcut			rapid HIV testing and	06744
		Using mobile clinics to		Conort			treatment referral,	Of /14 pregnant women, 536 (75%)
	Lindener	deliver HIV testing and		without	Conorral	20 647	diagnosis and	consented to HIV testing. Ut these, 20%
	Lindgren	other basic health services		comparison	General	38,647	treatment of maiaria,	tested positive. Unclear it others were
l	(2011)	in rural Malawi	Ivialawi	group	public	contacts	sputum collection for	offered HIV testing.

						suspected TB, and	
						prenatal care.	
Lippman (2017)	Community mobilization for HIV testing uptake: results from a community randomized trial of a theory-based intervention in rural South Africa	South Africa	RCT	General public	1,181	Community mobilization including outreach and community events	Reported HIV testing within past year: Intervention: 67% (baseline 60%), control: 69% (baseline 63%). HIV+: not reported.
Lugada (2010) A	Comparison of home and clinic-based HIV testing among household members of persons taking antiretroviral therapy in Uganda: results from a randomized trial	Uganda	RCT	Partners or contacts of PLHIV	7,184	HBHCT vs facility- based HCT for household members of PLHIV	Received testing: HBHCT 55.8% vs. Facility-based 10.9%, odds ratio: 10.41, 95% confidence interval: 7.89 to 13.73; p < 0.001.
Lugada (2010) B	Rapid implementation of an integrated large-scale HIV counseling and testing, malaria, and diarrhea prevention campaign in rural Kenya	Kenya	Cohort without comparison group	Adults	51,178	Multi-disease prevention campaign with community- based HCT	Attended campaign: 92.4% (47,311/51,178). Accepted testing: 99.7% (47,173/47,311). HIV+: 4% (1,964/47,173).
Lyatuu (2018)	Engaging community leaders to improve male partner participation in the prevention of mother-to- child transmission of HIV in Dar es Salaam, Tanzania	Tanzania	Cohort with comparison group(s)	Pregnant Women, Partners, Infants	35,822	Training for healthcare providers and community leaders to promote male partner participation in antenatal care	Couple HIV testing: Intervention sites: baseline 11.9%, 1 year post-implementation 36.0%. Control sites: baseline 17.7%, 1 year post-implementation 18.3%. HIV+ rates ranged from 3.1% to 4.4%.
Lyons (2019)	Use and acceptability of HIV self-testing among first-time testers at risk for HIV in Senegal	Senegal	Cohort without comparison group	FSW, MSM, PWID, transgender women	1,839	Distribution of HIVST kits	Post-test survey respondents: 94.3% (768/814) reported using HIVST. Completed test collected: 76.5% (1407/1839). HIV+: 5.4% (76/1407).
Mabuto (2014)	Four models of HIV counseling and testing: utilization and test results in South Africa	South Africa	Cross- sectional	Adults	121,032	Facility-based testing, stand-alone testing centers, urban and rural mobile testing	Unknown total offered testing. Total testers: Facility-based: 18,298, Stand-alone: 28,937, urban mobile: 38,840, rural mobile: 31,984. HIV+ 9.3% (10,862/116,926).
Madsen (2019)	Acceptance and feasibility of partner notification to HIV infected individuals in Guinea-Bissau	Guinea-Bissau	Cohort with comparison group(s)	Partners or contacts of PLHIV	547	Partner Notification	Index cases accepted: 71.0% (495/697). Partners tested: 21.5% (118/547). HIV+: 37.3% (44/118).

	Sustained high HIV case- finding through index testing and partner		Cobort with	Partners or			Index cases accepted partner notification: 95.1% (24,453/25,704).
Mahachi (2019)	experiences from three	Zimbabwe	comparison	contacts of	55 1/19	Contact Tracing	number of contacts offered testing.
Mandala (2019)	HIV retesting of HIV- negative pregnant women in the context of prevention of mother-to-child transmission of HIV in primary health centers in rural Zambia: what did we learn?	Zambia	Cohort without comparison group	Pregnant Women, Partners, Infants	16,838	Retesting of pregnant women	19,090 pregnant women tested at first antenatal visit. HIV+: 11.3% (2,165/19,090). 16,838 tested HIV-negative and offered retesting 3 months later. 67.3% (11,339/16,838) retested. HIV+ at retest: 0.5% (55/11,339).
Marwa (2010)	The effects of HIV self- testing kits in increasing uptake of male partner testing among pregnant women attending antenatal clinics in Kenya: a	Konyo	PCT	Pregnant Women, Partners, Inforts	1,410 women and 1,033 mon	ANC clients: Arm 1: standard of care involving invitation of male partner to clinic through word of mouth, Arm 2: improved invitation letter, Arm 3: improved invitation letter and two self- tacting kite	Male Partner Reported HIV testing: Arm 1: 37% (n=133). Arm 2: 28% (n=106) Arm 3: 83% (327).
Marwa (2019)	randomized controlled trial	Кепуа	RCI	Infants	men	testing kits	HIV+: not reported. Index cases accepted and enrolled:
Masyuko (2019)	Index participant characteristics and HIV assisted partner services efficacy in Kenya: results of a cluster randomized trial	Kenya	RCT	Partners or contacts of PLHIV	1,286	Immediate vs delayed partner notification	63.6% (1119/1760). 1286 partners identified. Partners tested: 30.1% (387/1286). New HIV+: 41.1% (159/387).
McGovern (2016)	Do gifts increase consent to home-based HIV testing? A difference-in-differences study in rural KwaZulu- Natal, South Africa	South Africa	Cohort with comparison group(s)	Adults	18,478	HBHCT with or without food voucher	Agreed to HCT in 2010: with gift: 51% (1,733/3,340), without gift: 38.3% (5,800/15,138). HIV+: 23.9% (1,786/7,462)
	Implementation and operational research: Strengthening HIV Test Access and Treatment Uptake Study (Project STATUS): a randomized trial	South Africa,			35,853	out-patient departments assigned to either: (1) health care providers refer eligible patients to onsite VCT, (2) providers offer and	Test acceptance was highest for model 3 (54.1%, 95% confidence interval [Cl]: 42.4 to 65.9), followed by model 1 (41.7%, 95% Cl: 30.7 to 52.8), and then model 2 (33.9%, 95% Cl: 25.7 to 42.1).
McNaghten (2015)	of HIV testing and counseling interventions	Fanzania, Uganda	RCT	General public	(age eligible)	provide HCT(3) nurse or lay counselors offer	1596 newly identified HIV positive patients.

						and provide HCT	
						before clinical	
						consultation.	
	The forgotten half of the						
	equation: randomized			- ·			
	controlled trial of a male			Pregnant		Written invitations for	Male partners received testing:
	invitation to attend couple			Women,		VCT for male partners	Intervention 32%, Control 11% (RR 2.82,
Mohlala	voluntary counselling and			Partners,		of pregnant women in	95% CI 2.14–3.72, P < 0.001).
(2011)	testing	South Africa	RCT	Infants	1,000	antenatal care.	HIV+: not reported.
	Comparing youth-friendly						
	health services to the					Standard of care	
	standard of care through		Cohort with			facility-based testing	Beceived HIV testing: SOC: 72% of 250
	"Girl Power-Malawi": a		comparison			vs youth-friendly	vouth-friendly: 97% of 750
Moore (2019)	quasi-experimental conort	Malawi	group(s)	Adolescents	1 000	health services	HIV+: not reported
10010 (2013)	Untake and linkage into	Ividiavvi	group(3)	Addiescents	1,000		
	care over one year of						
	providing HIV testing and						
	counselling through						Unknown number offered tests.
	community and health						Tested at facility: 72.5% (13,485/18,591),
	facility testing modalities in			_		Facility-based testing,	Tested at community site: 27.5%
Muhula	urban informal settlement		Cross-	General		community-based	(5,106/18,591).
(2016)	of Kibera, Nairobi Kenya	Kenya	sectional	public	18,591	testing	HIV+: 5.2% (961/18,591).
	Community based						
	distribution of oral HIV self-						
	testing kits in Zambia: a						Known HIV status at end of intervention:
	cluster-randomised trial					HBHCT vs home-based	Self-test: 68% (9027/13.267). HBHCT:
Mulubwa	(PopART) intervention					distribution of HIVST	65% (8952/13,706).
(2018)	communities	Zambia	RCT	Adults	26 973	kits	HIV+: 9 4% (2 540/26 973)
(1010)		2011010			20,070		12 556 children in clinic 7 326 children
	Scaling up pediatric HIV						were tested: 7 167 received test results
	testing by incorporating					Nurses HIV offer	of whom 122 (1.7%) were HIV-infected
	provider-initiated HIV		Dro. and			tosting for all 0 E	Number of HIV infected children
Musarandaga	testing into all child health		Pre- allu	Childron /		cesting for all 0-5	identified compared to 6 mo prior to
(2010)	services in Hurungwe	7	POSI-	Children/	10 550	children who have not	interruption BP 1 FE 05% CL1 22 1 0C
(2018)	District, Zimbabwe	Zimbabwe	Intervention	Adolescents	12,556	been tested before.	Intervention: RR=1.55; 95% CI 1.22 - 1.96
	Significant patient impact						Time from sample collection to patient
	implementation of Point-Of-						receiving results decreased from 56 days
	Care early infant diagnosis		Cohort	Pregnant			(interquartile range [IQR], 30–81 days) in
	technologies in an		without	Women,			the baseline arm to <1 day in the POC
Mwenda	observational study in		comparison	Partners,		point of care HIV	arm (P < .001).
(2018)	Malawi	Malawi	group	Infants	1752	testing	HIV+ results:4.6% (76/1,699).
	Universal HIV screening at						
Ndondoki	postnatal points of care:		Cross-	Pregnant	3,013	Trained counselors	1,817 mothers (61%) accepted to test for
(2013)	which public health	Côte d'Ivoire	sectional	Women,	children	offered systematic HIV	HIV, of whom 81 were HIV-infected

	approach for early infant			Partners.	born to	screening to all	(4.5%: 95% CI: [3.5%–5.4%]).
	diagnosis in Côte d'Ivoire?			Infants	2.986	children aged 6–26	Of the 81 HIV-exposed children, 42 (52%)
					mothers	weeks attending	had provided parental consent and were
					mothers	Postnatal POC as well	tested: five were HIV-infected (11.9%)
						as their	95% (I: [2 1%-21 7%])
						narents/caregivers	55/6 Ci. [2.1/6 21.7/6]).
						parents/caregivers.	HIV-negative ESWs reporting HIV
							nogative test in past 6 months: Hwange:
	Changes in engagement in					Nationally scaled	78 1% (25 1% pro intervention) Mutare:
	HIV prevention and care						78.6% (20.2% pro-intervention), Nutare.
	services among female sex					comprehensive	Falls: 80.8% (12.4% pro-intervention)
Malaut	workers during intensified						Falls: 80.8% (13.4% pre-intervention).
Ndori-	community mobilization in 3		Conort with			community	Post-intervention Hiv prevalence:
ivinaradze	sites in Zimbabwe, 2011 to	7	comparison	5014	015	mobilization and peer	Hwange: 41.3%, Mutare: 63.7%, Victoria
(2018)	2015	Zimbabwe	group(s)	FSW	915	educators	Falls: 62.1%. Raw numbers not reported.
							Caregivers who had their children test
							within 2 months of randomization: \$0)
							34% (n=31); \$1.25) 35% (n=31); \$2.50)
							47% (n=44); \$5) 55% (n=51); \$10) 61%
							(n=54).
							Compared with the \$0 arm, and adjusted
							for site, caregivers in the \$10.00 arm had
						Randomized financial	significantly higher uptake of testing
	Financial incentives to			Partners or	452	incentives for adults	[relative risk: 1.80 (95% CI 1.152.80),
Njuguna	increase pediatric HIV			contacts of	Caregive	living with HIV to have	P=0.010].
(2018)	testing: a randomized trial	Kenya	RCT	PLHIV	rs	their children tested	HIV+: not reported.
					Pre-		
					intervent		
	Effectiveness of provider-				ion:		
	initiated testing and				50,898		Received testing: PITC: 53%
	counseling in increasing HIV				Post-		(11,787/22,153), VCT: 6.2%
	utilization and HIV detection		Pre- and		intervent		(3,172/50,898).
	rates in Fhonyi State South-		Post-	General	ion:		HIV+: PITC: 1.3% (158/11.787), VCT:
Nsirim (2018)	Fastern Nigeria	Nigeria	intervention	public	22.153	PITC	1.1% (34/3.172).
()			Cohort	Pregnant		Health facility workers	
Nuwagaba-	Introducing a multi-site		without	Women		trained in	510 HIV-exposed infants identified 86%
Biribonwoha	of HIV infection among HIV		comparison	Partners		identification of HIV-	tested with DNA PCR and 75 (17%) were
(2010)	exposed infants in Tanzania	Tanzania	group	Infants	510	exposed infants	PCR positive.
(2010)	Effect of home-based HIV	1 dil2dilld	- <u>P. oub</u>	mants	510		
	counselling and testing on						Reported ever testing for HIV: Pre-
	stigma and risky sexual		Pre- and				intervention: 18.6% (261/1402), Post-
Nuwaha	behaviors': serial cross-		Post-				intervention: 62.1% (969/1,562).
(2012)	sectional studies in Uganda	Uganda	intervention	Adults	2964	НВНСТ	Disclosed HIV+ Status: Pre-intervention:

							14.2% (37/261), Post-intervention: 11.4 (110/969).
Odami (2012)	Participation in a clinical trial of a text messaging intervention is associated with increased infant HIV testing: A parallel-cohort	Kana		Pregnant Women, Partners,	1.115	HIV pregnant women randomized to Arm A Trial SMS) 14 SMS sent throughout third trimester and post- partum or Arm B Trial Control) eligible for trial, randomized to standard of care. Comparison Cohort: Not eligible for trial, followed with	The cumulative probability of infant HIV testing was highest in the Trial SMS group (92.0%; 95% CI 87.5-95.3), followed by the Trial Control group (85.1%; 95% CI 79.5-89.8), and lowest among women in the Comparison Cohort (43.4%; 95% CI 39.2-47.8).
Odeny (2018)	Assessment of provider-	кепуа	RCI	Infants	1,115	standard of care	HIV+: not reported.
Ogbo (2017)	initiated HIV screening in Nigeria with sub-Saharan African comparison	Nigeria	Cohort with comparison group(s)	General public	212	РІТС	199/212 (94%) accepted HIV testing; HIV+: 9%.
Oldenburg (2018)	Effect of HIV self-testing on the number of sexual partners among female sex workers in Zambia	Zambia	RCT	FSW	965	Peer distribution of HIVST, coupons for HIVST, or referral to facility-based testing. Follow-up of (Chanda et al, 2017).	Reported clients per night at 4 months: significantly fewer in direct delivery arm (mean difference -0.78 clients, 95% Cl -1.28 to -0.28 , $P=0.002$) and coupon arm (-0.71 , 95% Cl -1.21 to -0.21, $P=0.005$) compared with standard of care. Reported nonclient partners: fewer in direct delivery arm (-3.19 , 95% Cl -5.18 to -1.21 , $P=0.002$) and coupon arm (-1.84 , 95% Cl -3.81 to 0.14, $P=0.07$) arm compared with standard of care.
Orne- Gliemann (2013)	Increasing HIV testing among male partners	Cameroon	RCT	Pregnant Women, Partners, Infants	484	Couples-oriented post-test HIV counseling in ANC visits	 HIV prevalence in the study sample was 11.6%. 59 partners (24.7%) were tested for HIV in couples-oriented counseling group versus 35 (14.3%) in standard post-test HIV counselling group.
Ortblad (2017)	Direct provision versus facility collection of HIV self- tests among female sex workers in Uganda: A cluster-randomized	Uganda	RCT	FSW	960	Peer distribution of HIVST, coupons for HIVST, or referral to facility-based testing	HIV testing at 4 months from intervention: HIVST provision: 99.6% (261/262), HIVST coupon: 97.0% (288/297), Facility-based testing: 87.1%

	controlled health systems						(263/302).
	trial						HIV+: 21.0% (177/843).
							Mobile testing: 2,034 individuals tested,
							unknown total offered. HBHCT: 26%
							(2,005/7,681) houses visited. 71%
							(8.768/12.269) of individuals present.
			Cohort				86% (6.452/7.484) of eligible individuals
	Feasibility and effectiveness		without				agreed to testing, additional 597
	HIV testing models in rural		comparison	General		mobile testing and	individuals tested outside of households.
Parker (2015)	Swaziland	Swaziland	group	public	12.269	НВНСТ	HIV+: 3.7% (339/9.060)
			0 - 1		,		Acceptance: 584 (90.4%) agreed to HIV
						Routine HIV testing of	testing of their infant.
	Universal HIV testing of					infants was offered to	Maternal HIV status: 247 of 584 (42.3%)
	infants at immunization		Cohort	Pregnant		all mothers bringing	infant dried blood spot samples had HIV
	clinics: an acceptable and		without	Women.		infants for	antibodies.
	infant diagnosis in high HIV		comparison	Partners,		immunizations at	9.2% (54/584) of all infants tested were
Rollins (2009)	prevalence settings	South Africa	group	Infants	646	three clinics	positive for HIV DNA by PCR .
						Network referrals	
						(coupons) to STI clinic	1 month follow up: 66% (89/135) of
	Recruiting the social					by 1) patients with	recruiters returned to clinic. Mean of 4.1
	contacts of patients with STI		Cohort			HIV, 2) patients with	coupons (of 5) distributed per recruiter.
	Lilongwe Malawi: process		without	Other:		STIs, not HIV positive,	Mean of 2.6 contacts attended clinic per
Rosenberg	evaluation and assessment		comparison	People with		and 3) community	recruiter. Unknown number of contacts
(2016)	of acceptability	Malawi	group	STIS	135	controls	tested.
	Cell phone counseling						
	improves retention of						
	mothers with HIV infection			Pregnant		Cell phone counselling	
	in care and infant HIV			Women.		intervention to	HEI received testing: intervention: 92.8%
	randomized controlled			Partners.		promote retention in	(181/195), control: 68.1% (128/188).
Sarna (2019)	study	Kenva	RCT	Infants	404	care and testing of HEI	HIV+: 2.9% (9/308).
	Evaluating the feasibility	,				Ŭ	
65 A D O U	and uptake of a community-		Cohort			NA 111 11	Campaign participation: 53%
SEARCH	led HIV testing and multi-		without			Multi-disease	(1,584/3,016).
Collaboration	disease health campaign in		comparison			community health	Accepted HC1: 93% (1,474/1,584).
(2017)	rural Uganda	Uganda	group	Adults	3,016	campaign	HIV+: 7.1% (107/1,474).
	A pilot study of "peer						
	untake of HIV testing care		Cohort				
	and treatment among		without			Referrals to testing by	Consented to testing: 88.8% (647/781).
	street-connected children		comparison	Children/		peers to street-	HIV+: 8.1% (63/781), Newly diagnosed
Shah (2018)	and youth in Eldoret, Kenya	Kenya	group	Adolescents	781	connected youth	HIV+: 1.7%.

	Comparison of community-						
	based HIV counselling and						Tested through index tracings 2.0% of
	testing (CBCT) through						rested through index tracing: 3.9% of
	index client tracing and					Index tracing with	1,282,369 testers in a 2 year period.
	other modalities: Outcomes		Cohort			HBHCT compared to	Unknown number of contacts offered
	in 13 South African high HIV		without	Partners or		general population	testing or failed to be traced.
Shamu	prevalence districts by		comparison	contacts of	1,282,36	mobile, workplace,	HIV+ in index tracing: 10.3%. HIV+ in all
(2019)	gender and age	South Africa	group	PLHIV	9	and HBHCT	testing modalities: 7.4%.
							Social franchisee HCT tested 42,697
	Social franchising of					Franchising of HCT (lay	individuals and employee HCT tested
	community-based HIV					counsellors as	41,859. Unknown number of individuals
	care and treatment					independent small-	offered tests.
	services: an evaluation of a		Cohort with			scale business owners)	HIV+: Social franchisee: 10.2%
	pilot study in Tshwane.		comparison	General		vs employee-managed	(4,342/42,697), Employee: 5.9%
Shamu (2018)	South Africa	South Africa	group(s)	public	84,556	HCT program	(2,453/41,859).
							Accepted intervention: 72.3%
	Community intervention		Cohort				(11,175/15,465).
	status of adolescents in		without				Known HIV status at end of intervention:
Shanaube	Zambia: findings from HPTN		comparison				88.5% (9.626/10.884).
(2017) A	071-PonART for youth study	Zambia	group	Adolescents	15 465	нвнст	HIV+1.1.9%(210/10.884)
(2017)71		Lambia	8.00p	, aoreseents	10,100		Accepted intervention: 83 5%
			Cohort				$(101\ 102/121\ 130)$
	What works - reaching		without				Accented HIV testing: 72 2%
Shanauho	universal HIV testing:		comparison				(66 894/92 612)
(2017) p	lessons from HPIN 0/1	Zambia	group	Adulte	121 120	Прист	(00,00,00,00,00,00,00,00,00,00,00,00,00,
(2017) B	(POPART) that in zambia	Zallibia	group	Adults	121,130	TIDITCT	1110+. 12.8% (12,840/100,344).
					10tal.		Accented testing: MSM in Malindi 07 2%
	A venue-based approach to		Cabart		2,230.		
	reaching MSM, IDUs and		Conort				(255/262), PWID: 98.1% (151/154).
	the general population with		without		262.		General: 55.1% (1,004/1,822).
	VCT: a three study site in		comparison		PWID:		HIV+: MSM: 19.8%, PWID: 22.7%,
Singh (2012)	Kenya	Kenya	group	MSM, PWID	154.	Venue-based testing	general population: 9.1% (58/634).
							Median time from results to clinic to
							disclosure to mother:
							HIV+ results: SMS: 18 days (IQR: 5, 40), 3
	the of each the start starts						infants died before disclosure; Via Health
	Use of mobile phones and					SMS messaging	Center:15 days (IQR: 7, 57), 2 infants
	the turnaround time for					notifying mothers of	died before disclosure.
	early infant HIV diagnosis		Cohort	Pregnant		HEI's HIV results or	HIV- or indeterminate results: SMS: 35
	and notification in rural		without	Women,		availability of results	days (IQR: 21, 54). Via Health Center: 39
Sutcliffe	Zambia: an observational		comparison	Partners,		vs communicating via	days (IQR: 18, 61).
(2017)	study	Zambia	group	Infants	419	rural health centers.	HIV + Test Results: 8.3% (42/509).

							Mean number tested per clinic per
							month: pre-intervention: 743.9. post-
	Enhancing an HIV index case						intervention: 854 9
	testing passive referral					Training for HCW on	Newly identified as HIV+ per clinic per
	model through a					oliciting more	month: pro intervention: 24.7 post
	behavioural skills-building						intervention: 20.2 Mean number tested
	training for healthcare		Due end	Denterror	26	untested sexual	mitervention: 30.3. Wean number tested
	providers: a pre-/post-		Pre- and	Partners or	36	contacts and	with a family referral slip per clinic per
(*****	assessment in Mangochi		Post-	contacts of	testing	increased partner	month: pre-intervention: 11.1, post-
Tembo (2019)	District, Malawi	Malawi	intervention	PLHIV	facilities	disclosure counselling	intervention: 24.8
							Accepting VCT: 66.8% (161 of 241) in the
	Bapid intrapartum or						intrapartum arm and 60.5% (182 of 301)
	postpartum HIV testing at a			Pregnant			in the postpartum arm; the difference of
	midwife obstetric unit and a			Women,		Women received VCT	6.3% (95% CI, −1.8% to 14.5%) was not
	district hospital in South			Partners,		either while in labor or	significant.
Theron (2010)	Africa	South Africa	RCT	Infants	542	after delivery.	HIV+: 13.1% (45/343).
	Increasing Partner						30.9% of women in intervention group
	Attendance in Antenatal						(30/97) returned with their male
	Care and HIV Testing					Invitation letters to	partners for ANC.
	Services: Comparable					improve male	27.5% (28/102) returned with their
	Outcomes Using Written			Pregnant		involvement in	partner in control. In both groups
	versus Verbal Invitations in			Women		antenatal care and	Couples VCT rates among jointly
Thouring	an Urban Facility-Based			Partnors			roturning couples were 100%
(201C)	Controlled Intervention Trial	Tanaania	DCT	Partners,	100	couples ver vs verbal	LUV(), not concreted
(2016)	In Mibeya, Tanzania	Tanzania	RUI	Inidits	199	Invitation	HIV+: not reported.
	HIV testing: an evaluation of						History of testing for HIV: Cohort after
	the role of a home visiting						intervention 44.3% (301/680). Control
	program for orphans and		Cohort with				cohort (prior to intervention): 29.8%
Thurman	vulnerable children in South		comparison	Children/		HBHCT vs households	(192/644).
(2016)	Africa	South Africa	group(s)	Adolescents	1,324	not yet visited	HIV+: Not reported.
							18,730 index patients participated,
							unknown offered.
	Assisted HIV partner						21.057 identified partners. Notified of
	notification services in					Index patients offered	exposure: 61.1% (12.867/21.057). Tested
	resource-limited settings:		Cohort with	Partners or		natient referral	for HIV: 71 5% (9 202/12 867)
	experiences and		comparison	contacts of		contract referral or	HIV+: 51 8% (4 764/9 202) IPV reported:
Tih (2019)	Cameroon	Cameroon	group(s)		21.057	provider referral	1 1% (11/976)
	cumeroon	cancroon	P. 00P(3)		21,007		Baseline CD4 count <200: PITC: 45%
	Does provider-initiated						(899/1 998): V/CT· 38 3% (3 262/8 506)
	counselling and testing						Group Characteristics (Full test statistics
	(PITC) strengthen early		Cohort with				not reported).
	diagnosis and treatment						
T (2212)	initiation? Results from an		comparison		40.010	VCI (Voluntary HIV	% ivien: PITC: 43.7%; VC1: 39.7%,
ľopp (2012)	analysis of an urban cohort	Zambia	group(s)	Other: PLHIV	10,919	testing) vs PITC	p<0.0005

Implementation of a community-based hybrid HIV testing services program as a strategy to saturate testing coverage in the testing coverage in and linkage to treatment among mer who have sex with men (MSM) in Nigeria: A pilot program using key opinion leaders to reach Nigeria Cohort with out comparison group Cohort with out comparison group Community -based intervention is and linkage to treatment among mer who have sex with men (MSM) in Nigeria: A pilot program using key opinion leaders to reach Cohort with out comparison group Cohort with out comparison group Cohort with out comparison group Community -based intervention is and linkage to treatment among mer who have sex with men (MSM) in Nigeria: A pilot programme using key opinion leaders to reach Cohort with out comparison group Cohort with out comparison group Peer distribution of HBHCT Completed 3 month follow-up: 80.7% (257/319). Tun (2018) MSM Nigeria Cohort with out comparison group S19 HBHCT provided with additional services including TB testing and prevention of they had previous HIV testing: 97% (259/257). HIV+: 5.6% (14/251). Tun (2018) MSM S19 HBHCT provided with additional services including TB testing and prevention of they had previous (1666/2,449), of which 57% (956/1,666) had previous (257/319). S29/23/23/23/23/23/23/23/23/23/23/23/23/23/		of HIV-positive patients in						Children <15 years old: PITC: 10%; VCT:
Implementation of a community-based hybrid HIV testing services program as a strategy to saturate testing coverage in Truong (2019) Implementation of a community-based hybrid HIV testing services program as a strategy to saturate testing coverage in group Cohort without comparison general public 28,885 Community health fair and INSM (9,463/11,316). Eligible for HIV testing: 11,316. Accepted testing: 33% (9,463/11,316). Truong (2019) Western Kenya Kenya Cohort without comparison group General public 28,885 Community health fair and INSM (9,463/11,316). HIV+: 16.8% (1,589/9,463), Newly identified HIV+: 7.2% (115/1,589). Uptake of HIV self-testing and linkage to treatment among men who have sex with men (MSM) in Nigeria: A pilot programme using key opinion leaders to reach MSM Cohort without comparison group Peer distribution of HIVST kits Completed 3 month follow-up: 80.7% (257/319). Tun (2018) Nigeria group MSM 319 HIVST kits Willing to disclose if they had previous HIV testing: Pro-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing. Post-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing. Post-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing. Post-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing. Post-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing. Post-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing. Post-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing. Post-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing.								Adults >35 years old: PITC: 36.7%; VCT:
Implementation of a community-based hybrid HIV testing services program as a strategy to saturate testing coverage in Truong (2019)Implementation of a community-based hybrid HV testing services program as a strategy to saturate testing coverage in KenyaCohort without comparison groupCohort publicCommunity health fair and HBHCTEligible for HIV testing: 11,316. Accepted testing: 83% (9,463/11,316). HIV+: 16.8% (1,589/9,463), Newly identified HIV+: 7.2% (115/1,589).Uptake of HIV self-testing and linkage to treatment among men who have sex with men (MSM) in Nigeria: A pilot programme using key opinion leaders to reach MSMKenyaCohort without comparison groupPeer distribution of HIVST kitsCompleted 3 month follow-up: 80.7% (257/319).Tun (2018)NigeriagroupMSM319HIVST kitsWilling to disclose if they had previous additional services including TB testing and prevention of mad previous testing. Post-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing. Post-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing. Post-intervention: 69% (1,666/2,449), of which 57% (956/1,666) hadprevious tes								Received primary education: PITC:
Implementation of a community-based hybrid HIV testing services program as a strategy to saturate testing coverage in Truong (2019)Implementation of a comparison groupCohort without comparisonGeneral publicCommunity-hased testing: and HBHCTEligible for HIV testing: 11,316. Accepted testing: 83% (9,463/11,316).Truong (2019)Western KenyaKenyagrouppublic28,885Community health fair and HBHCTHIV+: 16.8% (1,589/9,463), Newly identified HIV+: 7.2% (115/1,589).Uptake of HIV self-testing and linkage to treatment among men who have sex with men (MSM) in Nigeria: A pilot programme using key opinion leaders to reachCohort without comparisonPeer distribution of HIVST kitsCompleted 3 month follow-up: 80.7% (257/319).Tun (2018)NSMNigeriagroupMSM319HIVST kitsHIV+: 5.6% (14/251).Community-based intervention to enhance intervention to enhanceCohort with withHBHCT provided with additional services including TB testing and prevention of mot per child HIVWilling to disclose if they had previous for (3.290.6 5%), of sol, 1666) had previous testing. Post-intervention: 63%								30.2%; VCT: 42.1% (p<0.0001)
Implementation of a community-based hybrid HIV testing services program as a strategy to saturate testing coverage in Truong (2019) Cohort without comparison general public Community-based hybrid without comparison general public Community health fair and linkage to treatment among men who have sex with men (MSM) in Nigeria: A pilot programme using key opinion leaders to reach Cohort without comparison group General public Cohort without Community health fair and linkage to treatment among men who have sex with men (MSM) in Nigeria: A pilot programme using key opinion leaders to reach Cohort without comparison group Peer distribution of HIVST kits Completed 3 month follow-up: 80.7% (257/319). Tun (2018) MSM Nigeria group MSM 319 HIVST kits HIV+: 5.6% (14/251). Community-based intervention to enhance Cohort with Cohort with Agiltional services including TB testing and prevention of enhance HIV testing: Pre-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous for the trevention: 68% (1,666/2,449), of which 57% (956/1,666)								Able to report partner's HIV status: PITC: 21.0% VCT: 31.9% (p<0.0001)
community-based hybrid HIV testing services program as a strategy to saturate testing coverage inCohort 		Implementation of a						
Inv testing services program as a strategy to saturate testing coverage in Truong (2019)without comparison groupGeneral publicCommunity health fair and HBHCTtesting: 83% (9,463/11,316). HIV+: 16.8% (1,589/9,463), Newly identified HIV+: 7.2% (115/1,589).Uptake of HIV self-testing and linkage to treatment among men who have sex with men (MSM) in Nigeria: A pilot programme using key opinion leaders to reach MSMCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonTun (2018)MSMNigeria groupgroupMSM319HIVST kitsHIV+: 5.6% (14/251).Community-based intervention to enhanceCohort with without comparisonMSM319HIVST kitsWilling to disclose if they had previous HIV testing: Pre-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing. Post-intervention:		community-based hybrid		Cohort				Eligible for HIV testing: 11,316. Accepted
saturate testing coverage in Truong (2019)Kenyacomparison groupGeneral publicCommunity health fair and HBHCTHIV+: 16.8% (1,589/9,463), Newly identified HIV+: 7.2% (115/1,589).Uptake of HIV self-testing and linkage to treatment among men who have sex with men (MSM) in Nigeria: A pilot programme using key opinion leaders to reachCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonPeer distribution of HIVST kitsCompleted 3 month follow-up: 80.7% (257/319).Tun (2018)MSMNigeriagroupMSM319HIVST kitsHIV+: 56% (14/251).Community-based intervention to enhanceCohort with withoutadditional services including TB testing and prevention of HIV testing: Pre-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing. Post-intervention: 68% (1,666/2,449), of which 57% (956/1,666) had previous testing. Post-intervention: had previous testing. Post-intervention:		program as a strategy to		without				testing: 83% (9,463/11,316).
Truong (2019)Western KenyaKenyagrouppublic28,885and HBHCTidentified HIV+: 7.2% (115/1,589).Uptake of HIV self-testing and linkage to treatment among men who have sex with men (MSM) in Nigeria: A pilot programme using key opinion leaders to reachCohort without comparisonImage: Cohort without comparisonImage: Cohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonImage: Cohort without comparisonImage: Cohort without comparisonCohort without comparisonImage: Cohort without comparisonImage: Cohort without comparisonCohort without comparisonImage: Cohort without comparisonImage: Cohort without comparisonImage: Cohort without comparisonImage: Cohort without comparisonImage: Cohort without comparisonImage: Cohort without comparisonImage: Cohort without comparisonImage: Cohort without comparisonImage: Cohort without comparisonImage: Cohort withoutImage: Cohort without comparisonImage: Cohort withoutImage: Cohort without comparisonImage: Cohort without comparisonImage: Cohort without comparisonImage: Cohort without cohortImage: Cohort without cohortImage: Cohort without cohortImage: Cohort withoutImage: Cohort without cohortImage: Cohort without cohortImage: Cohort withoutImage: Cohort withoutImage: Cohort withoutImage: Cohort withoutImage: Cohort without <td>_ (****</td> <td>saturate testing coverage in</td> <td></td> <td>comparison</td> <td>General</td> <td></td> <td>Community health fair</td> <td>HIV+: 16.8% (1,589/9,463), Newly</td>	_ (****	saturate testing coverage in		comparison	General		Community health fair	HIV+: 16.8% (1,589/9,463), Newly
Optice of invision services and linkage to treatment among men who have sex with men (MSM) in Nigeria: A pilot programme using key opinion leaders to reachCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort without comparisonCohort withoutCohort without comparisonCohort withoutCohort without comparisonCohort without comparisonPeer distribution of HIVST kitsUsed HIVST: 97.7% (251/257).Tun (2018)MSMNigeriagroupMSM319HIVST kitsHIV+: 5.6% (14/251).Community-based intervention to enhanceCohort with including TB testing and prevention of had previous testing. Post-intervention: had previous testing. Post-intervention: mother to child HIV92% (3 299/3 584), of which 75%	Truong (2019)	Western Kenya	Kenya	group	public	28,885	and HBHCT	identified HIV+: 7.2% (115/1,589).
among men who have sex with men (MSM) in Nigeria: A pilot programme using key opinion leaders to reach MSMCohort without comparison groupCohort without comparison groupPeer distribution of HIVST kitsCompleted 3 month follow-up: 80.7% (257/319). Used HIVST: 97.7% (251/257). HIV+: 5.6% (14/251).Tun (2018)NigeriagroupMSM319HIVST kitsHIV+: 5.6% (14/251).Community-based intervention to enhanceCohort with comparisonHBHCT provided with additional services including TB testing and prevention of had previous testing. Post-intervention: had previous testing. Post-intervention: mother to child HIV92% (3 299/3 584), of which 75%		and linkage to treatment						
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key opinion leaders to reach MSM Nigeria comparison group MSM Peer distribution of HIVST kits Used HIVST: 97.7% (251/257). Tun (2018) MSM Nigeria group MSM 319 HIVST kits HIV+: 5.6% (14/251). Key opinion leaders to reach Nigeria group MSM 319 HIVST kits HIV+: 5.6% (14/251). HIV Community-based Image: Community-based <td></td> <td>A pilot programme using</td> <td></td> <td>without</td> <td></td> <td></td> <td></td> <td>(257/319).</td>		A pilot programme using		without				(257/319).
Tun (2018) MSM Nigeria group MSM 319 HIVST kits HIV+: 5.6% (14/251). Visitional services Hild Hild Hild Hild Hild Hild Hild Hild		key opinion leaders to reach		comparison			Peer distribution of	Used HIVST: 97.7% (251/257).
Community-based Cohort with Cohort with Willing to disclose if they had previous additional services HIV testing: Pre-intervention: 68% including TB testing (1,666/2,449), of which 57% (956/1,666) and prevention to enhance and prevention of had previous testing. Post-intervention:	Tun (2018)	MSM	Nigeria	group	MSM	319	HIVST kits	HIV+: 5.6% (14/251).
Community-based intervention to enhance Cohort with Cohort with Intervention to enhance							HBHCI provided with	Willing to disclose if they had previous
Community-based intervention to enhance Cohort with Cohort with Participation of Cohort With Participat							including TB testing	(1.666/2.449), of which 57% (956/1.666)
mather to child HIV 92% (3 299/3 584) of which 75%		Community-based					and prevention of	had previous testing. Post-intervention:
provision of integrated TB-		provision of integrated TB-		Cohort with			mother to child HIV	92% (3,299/3,584), of which 75%
Uwimana HIV and PMTCT services in comparison General transmission (2,476/3,299) had previous testing.	Uwimana	HIV and PMTCT services in	Courth Africa	comparison	General	2 5 9 4	transmission	(2,476/3,299) had previous testing.
(2013) South Africa South Africa group(s) public 3,584 Interventions Hiv+: not reported.	(2013)	South Africa High HIV testing untake and	South Africa	group(s)	public	3,584	Interventions	HIV+: not reported.
linkage to care in a novel		linkage to care in a novel		Cohort				
program of home-based HIV Confort HBHCT with point of		program of home-based HIV		without			HBHCT with point of	
van Rooyen facilitated referral in comparison care CD4 testing and Received testing: 91% (671/739).	van Rooyen	facilitated referral in		comparison			care CD4 testing and	Received testing: 91% (671/739).
(2013) A KwaZulu-Natal, South Africa South Africa group Adults 739 ART linkage HIV+: 30.0% (201/671).	(2013) A	KwaZulu-Natal, South Africa	South Africa	group	Adults	739	ART linkage	HIV+: 30.0% (201/671).
1,015 participated in mobile services.								1,015 participated in mobile services.
Mobile VCT: reaching men		Mobile VCT: reaching men		Cohort				Accepted testing overall: 97.3%
and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban without (988/1,013), diban. 99.0% (624/630), and young people in urban without (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (624/630), and young people in urban (988/1,013), diban. 99.0% (988/1,013), diban. 99.0\% (988/1,013), diban. 99.		and young people in urban		without				(988/1,015), urban. 99.0% (824/850), rural: 94.5% (364/385).
van Rooyen studies (NIMH Project comparison HIV+ overall: 14.9% (147/988), urban:	van Rooyen	studies (NIMH Project		comparison				HIV+ overall: 14.9% (147/988), urban:
(2013) B Accept, HPTN 043) South Africa group Adults 1,015 Mobile testing 13.9% (87/624), rural: 16.5% (60/364).	(2013) B	Accept, HPTN 043)	South Africa	group	Adults	1,015	Mobile testing	13.9% (87/624), rural: 16.5% (60/364).
HIV testing and counselling		HIV testing and counselling						207,428 couples tested, unknown
couples together for Pre- and Couples' voluntary HIV number offered testing.		couples together for		Pre- and	Othor		Couples' voluntary HIV	number offered testing.
Wall (2019) Africa Zambia intervention Couples 414,856 in 73 clinics 8%.	Wall (2019)	Africa	Zambia	intervention	Couples	414,856	in 73 clinics	8%.

							HIV+: 30% (1,003/3,389).
	Abbreviated HIV counselling						Unprotected sex with an HIV discordant
	and testing and enhanced			Othern			or status unknown partner (sexual risk
	referral to care in Uganda: a			Other:		Abbreviated HIV	behavior): After abbreviated counseling:
Wanyenze	factorial randomised			Hospital		counselling and	27.9% (232/832); After traditional
(2013)	controlled trial	Uganda	RCI	Patients	3,415	testing	counseling: 28.2% (251/890).
						Program changes	
					Intervent	including: a)	
	Delivering comprehensive				ion	community health	
	HIV services across the HIV				group:	workers, b) focus on	Average tests performed annually as a
	care continuum: a				13	social determinants of	percent of the total adult population:
	comparative analysis of				facilities.	health, and c)	12.6%. Testing rates did not significantly
	survival and progress		Cohort with		Control:	strengthened primary	differ between intervention facilities and
	towards 90-90-90 in rural		comparison	General	682	and secondary	control facilities.
Wroe (2018)	Malawi	Malawi	group(s)	public	facilities.	healthcare systems	HIV+ rate estimated for each district.
	Active case finding:						
	acceptability feasibility and						Parents willing to have children tested:
	effectiveness of targeted						tPITC: 99.7% (1236/1240); bPITC: 98.8%
	versus blanket provider-						(2430/2459).
	initiated-testing and					Targeted PITC of	Children tested: tPITC: 56.7%; bPITC:
	counseling of HIV among		Cohort with			children of PLHIV	90.3%.
	children and adolescents in		comparison	Children/		(tPITC) vs Blanket PITC	HIV+: tPITC: 3.5% (CI:2.4-4.5);
Yumo (2018)	Cameroon	Cameroon	group(s)	Adolescents	4,719	(bPITC)	bPITC:1.6% (CI:1.1-2.1) p = 0.0008.
						Targeted PITC of	Mean monthly number of patients seen
						children of PLHIV	in clinic: baseline: 981.8; bPITC+tPITC:
	Effectiveness of symptom-					(tPITC) vs Blanket PITC	773.8.
	based diagnostic HIV testing					(bPITC) implemented	Mean monthly tests: baseline: 223.0;
	provider-initiated testing					after baseline of	bPITC: 348.3; bPITC+tPITC: 542.2.
	and counseling among		Cohort with			symptom-based	Mean monthly number testing HIV+:
	children and adolescents in		comparison	Children/		diagnostic testing	baseline: 10.5; bPITC: 9.7; bPITC+tPITC:
Yumo (2019)	Cameroon	Cameroon	group(s)	Adolescents	10,534	(baseline).	20.3.

Abbreviations: PITC: Provider Initiated Testing and Counseling. VCT: Voluntary Counseling and Testing. HCT: HIV Counseling and Testing. HBHCT: Home-base HIV Counseling and Testing. ANC: Antenatal Clinic. HEI: HIV exposed infant. HIVST: HIV Self-test. PLHIV: People living with HIV. FSW: Female sex worker. MSM: Men who have sex with men. PWID: People who inject drugs. ART: Antiretroviral therapy. HCW: Healthcare worker. CI: 95% confidence interval. IQR: interquartile range. RCT: Randomized Controlled Trial.