

Appendix for

The Cost and Intermediary Cost Effectiveness of Oral HIV Self-Test Kit Distribution Across Eleven Distribution Models in South Africa

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Table S1: Phone follow-up, yield and linkage to care by model

Model	Number of HIVST kits distributed	% of total HIVST kits distributed	% of kits recipients						
			followed up by phone	reached for follow up (all)	reached for follow up (phoned)	screening positive (reached)	obtained confirmatory testing (screening positive)	initiated ART (confirmed positive)	initiated ART (screening positive)
Horizontal PHC (ANC)	5,452	0.5%	64%	20%	31%	5.0%	78%	92%	72%
Horizontal PHC (Index)	3,830	0.3%	77%	36%	46%	23.0%	76%	94%	71%
Vertical PHC	6,549	0.6%	-	4%	0%	6.3%	24%	100%	24%
Fixed point	103,120	9%	1%	0%	13%	5.3%	68%	4%	2%
Mobile integration*	2,173	0.2%	-	-	-	4.7%	48%	19%	9%
Transport hubs	163,404	15%	3%	3%	100%	7.6%	52%	66%	34%
Flexible community	543,426	49%	-	24%	-	8.4%	40%	93%	38%
Key populations	16,069	1%	-	5%	0%	4.4%	19%	86%	17%
Sex worker	12,218	1%	30%	11%	38%	17.5%	52%	93%	49%
Workplace (Third party)	211,453	19%	17%	9%	54%	3.8%	51%	77%	40%
Workplace (Direct)	44,032	4%	-	2%	-	6.7%	32%	95%	30%

*NB, Outcomes data on the mobile integration model included recipients screening on-site only; linkage to care was established by record review rather than telephonic interview, possibly biasing results downward

Table S2: Outcomes and intermediary cost effectiveness by sub-model

	Horizontal PHC (ANC)	Horizontal PHC (Index)	Vertical PHC	Fixed point	Mobile integration	Transport hubs	Flexible community	Key populations	Sex worker	Workplace (Third party)	Workplace (Direct)
Total cost of HIVST distribution	\$73,538	\$50,988	\$118,183	\$680,217	\$39,276	\$940,361	\$4,003,412	\$94,994	\$59,541	\$1,329,667	\$233,298
Number of kits distributed	5,452	3,830	6,549	103,120	2,173	163,404	543,426	16,069	12,218	211,453	44,032
Number of recipients screening positive	273	882	411	5,434	103	12,346	45,590	707	2,133	7,933	2,939
Number of recipients confirmed positive	213	670	97	3,668	49	6,395	18,351	138	1,118	4,073	931
Number of recipients initiating ART	196	629	97	133	9	4,204	17,149	118	1,038	3,155	882
Cost of facility-based confirmatory test (positive result)	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
Cost of ART initiation visit	\$55	\$55	\$55	\$55	\$55	\$55	\$55	\$55	\$55	\$55	\$55
Cost per test kit distributed	\$14	\$13	\$18	\$7	\$18	\$6	\$7	\$6	\$5	\$6	\$5
Cost per recipient screening positive	\$281	\$58	\$288	\$125	\$382	\$76	\$88	\$134	\$28	\$168	\$79
Cost per recipient confirmed positive	\$366	\$82	\$1,229	\$191	\$806	\$153	\$224	\$697	\$59	\$332	\$257
Cost per recipient initiating on ART	\$446	\$136	\$1,278	\$5,164	\$4,214	\$279	\$288	\$861	\$112	\$476	\$320

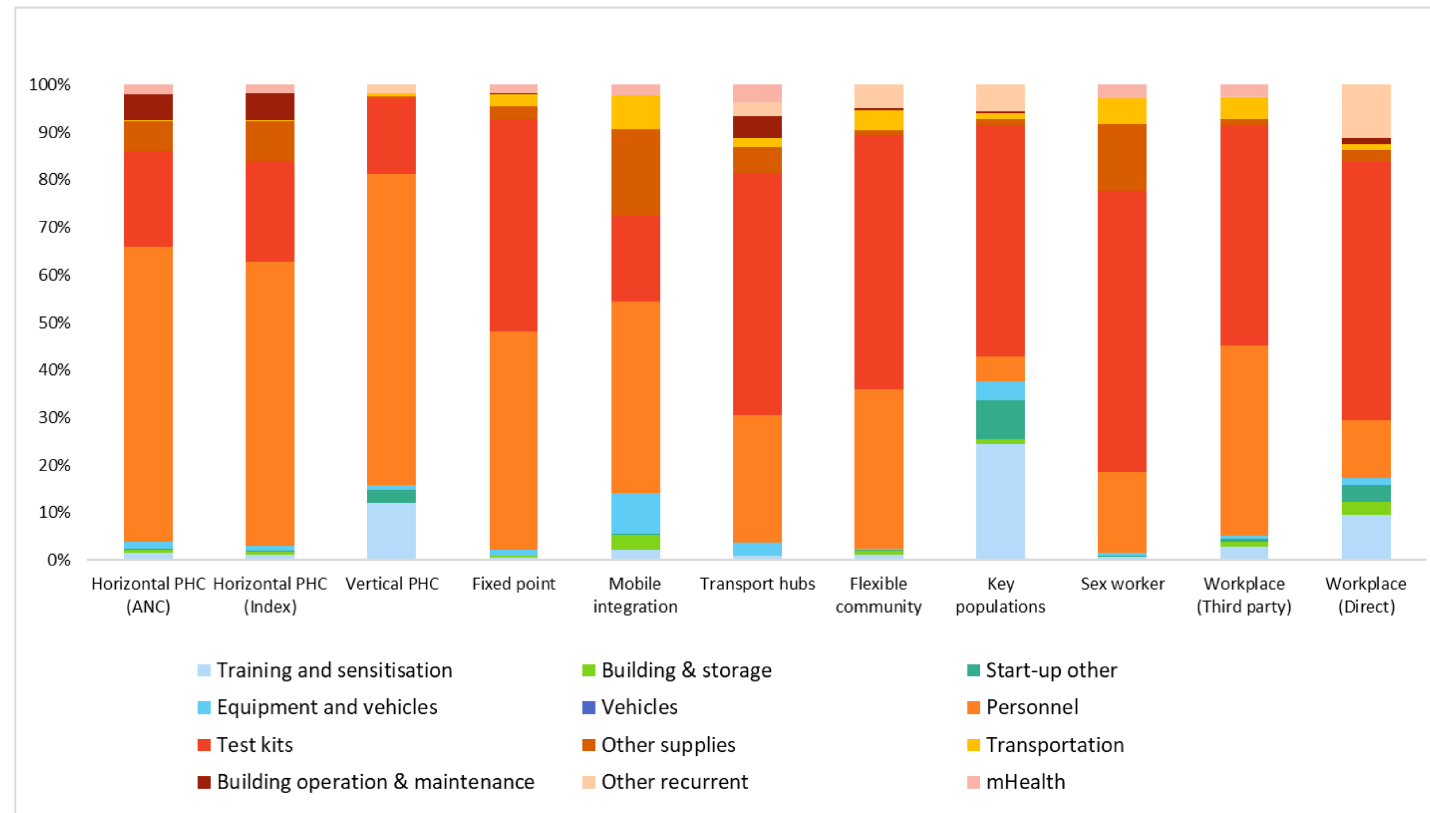


Figure S1: Distribution of total costs into categories by model