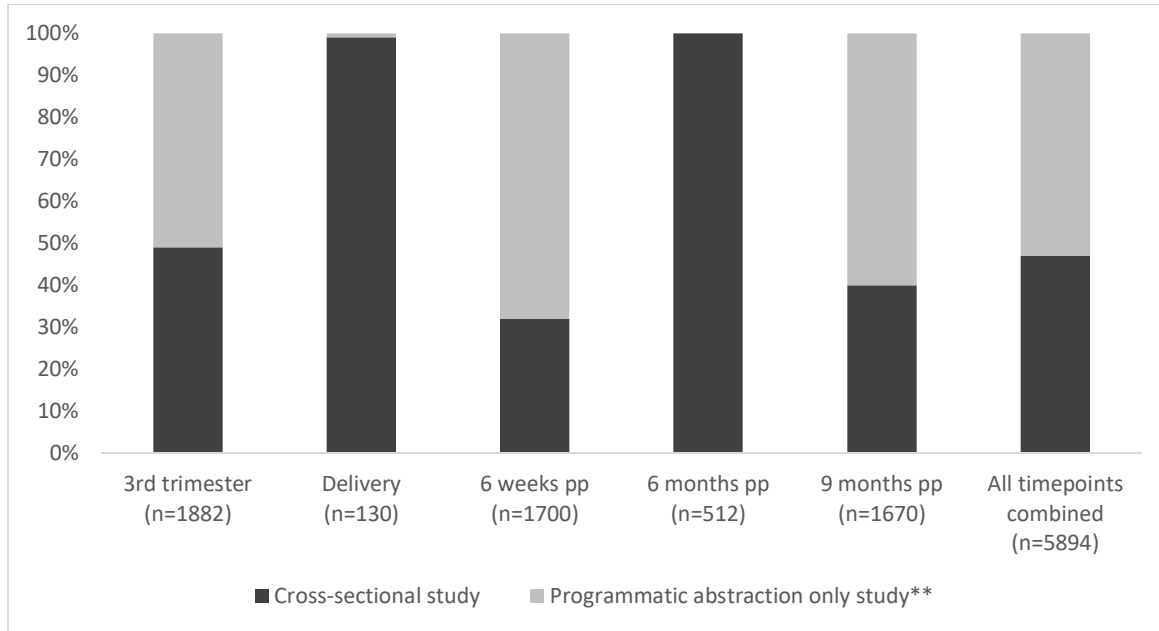
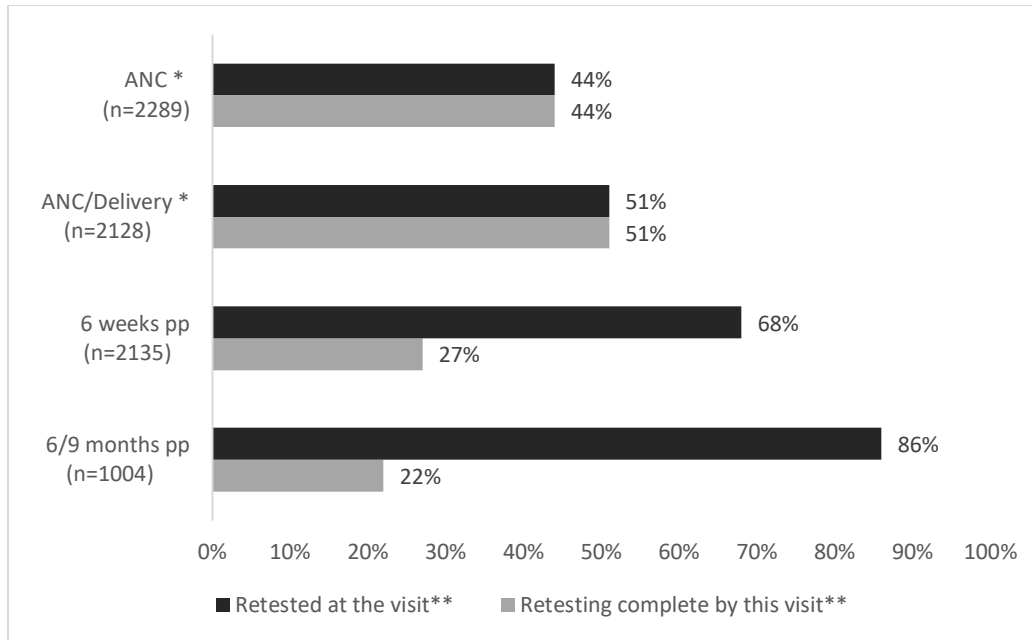


Supplement Figure 1. Total number of women enrolled at each time point by study protocol



Abbreviation: pp, postpartum. **One woman enrolled into programmatic abstraction only study, who presented for care at 6 weeks postpartum who was HIV positive, was identified as having an incident infection detected through delivery testing during study screening.

Supplement Figure 2. Prevalence of retesting and complete retesting at each visit, among women in the programmatic abstraction only study



Abbreviations: pp, postpartum; ANC, antenatal care. The proportion of women retesting at each time point was calculated at visits when they enrolled and at all prior time points; therefore, women can be included in multiple time points. * Only one retest is recommended at these time points as per Kenyan guidelines. ** The proportion of women who completed the recommended number of retests up to and including that visit, among women with a recorded visit date. Kenyan guidelines recommend retesting at third trimester/delivery, at 6 weeks postpartum and every 6 months thereafter. Note: Data on facility delivery was not collected and some women may not have delivered at a facility.

Supplement Table 1. Characteristics of Participants Enrolled in a Programmatic Abstraction Only Study in Kenya, by Enrollment Visit

	All Women (n=3,124)		≥28 Weeks' Gestation (n=954)		Delivery/Labor (n=1) ^a		6 Weeks (n=1,160)		6 Months (n=0)		9 Months (n=1,009)	
	N	No. (%)	n	No. (%)	n	No. (%)	n	No. (%)	n	No. (%)	n	No. (%)
Age, median (IQR), years	3,119	24 (21–28)	953	24 (21–28)	1	31 (31–31)	1,157	24 (21–28)	—	—	1,008	24 (21–28)
Age range, years	3,119		953		1		1,157		—	—	1,008	
<21		684 (22)		224 (24)		—		245 (21)		—		215 (21)
21–30		1979 (63)		584 (61)		—		742 (64)		—		653 (65)
≥30		456 (15)		145 (15)		1 (100)		170 (15)		—		140 (14)
Enrollment site	3,124		954		1		1,160		—	—	1,009	
Ahero		439 (14)		50 (5)		—		169 (15)		—		220 (22)
Bondo		727 (23)		234 (25)		—		254 (22)		—		239 (24)
Riruta		974 (31)		231 (24)		—		419 (36)		—		324 (32)
Siaya		506 (16)		178 (19)		1 (100)		160 (14)		—		167 (17)
Rachuonyo		478 (15)		261 (27)		—		158 (14)		—		59 (6)
ANC visits documented, median (IQR)	3,124	4 (3–5)	954	4 (3–4)	1	0 (0–0)	1,160	4 (3–5)	—	—	1,009	4 (3–5)
PNC visits documented median (IQR) ^b	2,169	2 (2–7)	—	—	—	—	1,160	2 (1–2)	—	—	1,009	7 (6–8)
HIV retests, median (IQR) ^c	3,124	1 (1–2)	954	0 (0–1)	1	1 (1–1)	1,160	1 (1–2)	—	—	1,009	2 (2–3)
Incident HIV-infections	3,124	9 (<1)	954	3 (<1)	1	1 (100)	1,160	3 (<1)	—	—	1,009	2 (<1)

Abbreviation: ANC, antenatal care; IQR, interquartile range; PNC, postnatal care.

^a As per MCH booklet documentation. One woman who presented for care at 6 weeks postpartum who was HIV positive, was identified as having an incident infection detected through delivery testing during study screening.

^b Among women enrolled at postpartum.

^c Including all HIV tests during most recent pregnancy and postpartum, excluding test done as part of study.

Supplement Table 2. Correlates of receiving maternal HIV retesting by 9 months postpartum (N=661), cross-sectional study only

	Received HIV retest		N	Yes [N=566] n (%) or mean (95% CI)	Crude PR ¹ (95% CI)	P-value	Adjusted PR ¹ (95% CI)	P-value
	No [N=95] N	n (%) or mean (95% CI)						
Sociodemographic characteristics								
Age category (years)	95		566					
<21		22 (23)		141 (25)	Ref		Ref	
21-30		62 (65)		357 (63)	0.98 (0.92-1.05)	0.6	0.99 (0.93-1.05)	0.7
>30		11 (12)		68 (12)	1.00 (0.87-1.14)	0.9	1.00 (0.88-1.13)	1.0
Enrollment year	95		566					
2017		44 (46)		191 (34)	Ref			
2018		35 (37)		152 (27)	1.00(0.88-1.13)	1.0	-	-
2019		16 (17)		223 (39)	1.15(0.94-1.40)	0.2	-	-
Completed secondary education	95	52 (55)	566	299 (53)	0.99 (0.95-1.03)	0.6	0.99 (0.96-1.03)	0.7
Neither parent alive	95	10 (11)	566	80 (14)	1.04 (0.97-1.12)	0.2	-	-
Monthly household income ≥10,000KSH	68	31 (46)	321	147 (46)	1.00 (0.98-1.02)	0.9	-	-
Relationship characteristics and sexual behavior								
Married	92	51 (55)	557	381 (68)	1.09 (1.02-1.15)	0.01	-	-
Polygamous marriage ²	54	3 (6)	416	24 (6)	1.00 (0.87-1.16)	1.0	-	-
Partner completed secondary education ²	50	41 (82)	413	285 (69)	0.94 (0.90-0.97)	0.001	-	-
Partner HIV status unknown/positive ²	54	21 (39)	422	130 (31)	0.96 (0.91-1.01)	0.1	-	-
Any unprotected sex (last month)	38	33 (87)	267	238 (89)	1.03 (0.88-1.20)	0.7	-	-
Lifetime number of sexual partners	95	31 (33)	566	180 (32)	0.99 (0.93-1.07)	0.9	-	-
Reproductive history								
Gravidity*	95	1.64 (1.43-1.85)	566	1.96 (1.85-2.06)	1.03 (1.01-1.05)	0.004	-	-
Facility delivery (prior pregnancy) ³	34	31 (91)	276	265 (96)	1.14 (0.97-1.34)	0.1	-	-

Abbreviations: PR, prevalence ratio; CI, confidence interval. ¹ Using robust standard errors, ² Among women with a current partner, ³ Among multiparous women. Variables identified as potential confounders a priori were included in multivariate Poisson GLMs; maternal age, education, and marital status. Due to collinearity, marital status, partner education and gravidity were excluded from the multivariate model. * Per unit change.

Supplement Table 3. Correlates of receiving any HIV retests by 9 months postpartum (N=1009), programmatic abstraction only study

	Received HIV retest				Crude PR (95% CI)	p-value	Adjusted PR (95% CI)	p- value
	N	No [N=19] n (%) or mean (95% CI)	N	Yes [N=990] n (%) or mean (95% CI)				
Sociodemographic characteristics								
Age category (years)	19		989					
<21		4 (21)		211 (21)	Ref		Ref	
21-30		13 (68)		640 (65)	1.00 (0.99-1.01)	0.8	1.00 (0.85-1.16)	1.0
≥30		2 (11)		138 (14)	1.00 (0.97-1.04)	0.8	1.00 (0.81-1.24)	1.0
≥4 ANC visits	19	5 (26)	990	610 (62)	1.03 (0.97-1.09)	0.3	-	-
≥7 PNC visits	19	6 (32)	990	746 (75)	1.04 (0.99-1.10)	0.08	1.05 (0.90-1.21)	0.6

Abbreviations: PR, prevalence ratio; CI, confidence interval; ANC, antenatal care; PNC, postnatal care. Variable identified as potential confounders a priori were included in multivariate Poisson GLMs; maternal age.

Supplement Table 4. Correlates of receiving ≥ 2 HIV retests by 9 months postpartum (N=1009), programmatic abstraction only study

	Received ≥ 2 HIV retests				Crude PR (95% CI)	p-value	Adjusted PR (95% CI)	p- value
	No [N=139]	Yes [N=870]						
	N	n (%) or mean (95%CI)	N	n (%) or mean (95%CI)				
Sociodemographic characteristics								
Age category (years)	138		870					
<21		24 (17)		191 (22)	Ref		Ref	
21-30		95 (69)		558 (64)	0.96 (0.94-0.99)	<.01	0.96 (0.94-0.99)	<.01
≥ 30		19 (14)		121 (14)	0.97 (0.87-1.09)	0.6	0.97 (0.87-1.09)	0.6
≥ 4 ANC visits	139	58 (42)	870	557 (64)	1.14 (0.97-1.34)	0.1	-	-
≥ 7 PNC visits	139	79 (57)	870	673 (77)	1.17 (1.02-1.34)	0.03	-	-

Abbreviations: PR, prevalence ratio; CI, confidence interval; ANC, antenatal care; PNC, postnatal care. Variable identified as potential confounders a priori were included in multivariate Poisson GLMs; maternal age. Due to collinearity, variable PNC visits variable was excluded from the multivariate model.