

Online Supplementary Table 1. Risk of HIV seroconversion associated with penile HPV infection stratified by circumcision status

	Uncircumcised men			Circumcised men			Overall		
	No. HIV-seroconverters	Unadjusted HR (95% CI)	Adjusted HR (95% CI)	No. HIV-seroconverters	Unadjusted HR (95% CI)	Adjusted HR (95% CI)	No. HIV-seroconverters	Unadjusted HR (95% CI)	Adjusted HR (95% CI)
HPV infection									
No HPV	15	1	1	8	1	1	23	1	1
Any-HPV	27	1.99 (1.06-3.77)	1.73 (0.80-3.78)	9	2.68 (1.03-7.01)	1.69 (0.51-5.63)	36	2.55 (1.51-4.32)	1.72 (0.94-3.15)
No HPV	15	1	1	8	1	1	23	1	1
LR-HPV	7	1.76 (0.71-4.33)	1.69 (0.57-5.01)	2	1.68 (0.37-7.93)	NA	9	2.04 (0.95-4.40)	1.25 (0.45-3.42)
HR-HPV	20	2.14 (1.08-4.23)	1.73 (0.75-4.03)	7	2.90 (1.07-7.84)	2.66 (0.79-8.90)	27	2.74(1.657-4.79)	1.92 (0.96-3.87)
Number of HPV infections									
0 types	15	1	1	8	1	1	23	1	1
1-2 types	15	1.37 (0.65-2.94)	1.42 (0.56-3.55)	7	1.89 (0.60-6.01)	1.04 (0.22-5.28)	22	1.70 (0.90-3.23)	1.41 (0.64-3.13)
>=3 types	12	3.23 (1.49-7.01)	2.54 (0.93-6.91)	2	6.94 (2.01-24.02)	6.17 (1.41-26.53)	14	4.92 (2.55-9.47)	3.45 (1.49-7.96)
Risk per infection	42	1.24 (1.10-1.38)	1.16 (0.94-1.38)	17	1.44 (1.18-1.78)	1.55 (1.17-1.96)	59	1.33 (1.22-1.48)	1.27 (1.09-1.48)
Clearance/Persistence^a									
Uninfected	15	1	1	5	1	1	20	1	1
Clearance, only	11	1.89 (0.78-4.63)	1.31 (0.46-3.76)	8	2.54 (0.75-8.59)	3.59 (0.71-18.38)	19	2.14 (1.04-4.37)	2.95 (1.14-7.55)
Persistence, only	3	3.49 (0.93-13.25)	3.86 (1.00-14.67)	1	6.73 (0.71-60.79)	8.52 (0.73-98.24)	4	5.12 (1.65-15.78)	7.43 (2.18-25.36)
Clearance+Persistence	8	4.35(1.64-11.42)	3.01 (0.94-9.60)	3	7.12 (1.56-31.91)	4.02 (0.35-45.67)	11	5.74 (2.57-12.84)	3.73 (1.29-10.55)

Online Supplementary Figure 1. Kaplan-Meier curve displaying the cumulative risk of HIV seroconversion among men with no HPV infection, recently cleared infections, and persistent infections

