

APPENDICES

Appendix A: Comparison of participant characteristics between the current cohort and the full study cohort of the *HIM Study*.

Characteristics	Current Cohort	Full <i>HIM</i> Cohort	p values [†]
	(N=2187)	(N=4074)	
	n (%)	n (%)	
Age, years			0.513
18-24	643 (29.4)	1232 (30.2)	
25-44	1240 (56.7)	2315 (56.8)	
45-70	304 (13.9)	527 (12.9)	
Country			0.003
Brazil	819 (37.4)	1401 (34.4)	
Mexico	735 (33.6)	1330 (32.6)	
US	633 (28.9)	1343 (33.0)	
Marital			0.719
Single	975 (44.7)	1838 (45.2)	
Cohabiting	280 (12.8)	484 (11.9)	
Married	744 (34.1)	1384 (34.1)	
Divorced/Widowed	183 (8.4)	357 (8.8)	
Education			0.717
Less than high school	464 (21.3)	900 (22.2)	
High School graduate	593 (27.2)	1089 (26.8)	
College or higher	1124 (51.5)	2071 (51.0)	
Alcohol drinking ^a			0.722
Light	692 (43.2)	1281 (43.9)	
Moderate	574 (35.8)	1012 (34.6)	
Heavy	336 (21.0)	628 (21.5)	
Cigarette smoking			0.444
Never	1271 (58.2)	2348 (57.8)	
Current	489 (22.4)	963 (23.7)	
Former	422 (19.3)	751 (18.5)	
Circumcision ^b			0.070
No	1437 (65.7)	2583 (63.4)	
Yes	750 (34.3)	1491 (36.6)	
Sexual practice			0.798
MSW	1953 (89.3)	3429 (89.7)	
MSM	109 (5.0)	176 (4.6)	
MSMW	125 (5.7)	217 (5.7)	
Lifetime female sex partners among MSW, no.			0.597

None	2 (0.1)	3 (0.1)	
1-3	510 (27.8)	835 (26.1)	
4-17	876 (47.8)	1574 (49.1)	
>=18	446 (24.3)	792 (24.7)	
Lifetime male anal sex partners, no.			0.366
None	1829 (85.1)	3480 (86.6)	
1-2	149 (6.9)	238 (5.9)	
3-10	96 (4.5)	168 (4.2)	
>=11	76 (3.5)	132 (3.3)	
New sex partners in past 6 mo, no.			0.445
None	1335 (61.4)	2530 (62.4)	
1	555 (25.5)	976 (24.1)	
≥2	285 (13.1)	548 (13.5)	
Frequency of vaginal sex in past 6 mos.			0.625
<1 per week	724 (46.6)	1339 (48.1)	
1-2 per week	402 (25.9)	712 (25.6)	
>2 per week	427 (27.5)	735 (26.4)	
Condom use in vaginal sex in past 6 mos.			0.312
Always	447 (23.9)	723 (22.0)	
Frequently	433 (23.2)	749 (22.8)	
Sometimes	256 (13.7)	490 (14.9)	
Never	732 (39.2)	1323 (40.3)	
Condom use in anal sex in past 6 mos.			0.884
Always	235 (33.7)	391 (32.0)	
Frequently	121 (17.3)	211 (17.3)	
Sometimes	69 (9.9)	122 (10.0)	
Never	273 (39.1)	497 (40.7)	
Condom use in sexual intercourse in past 6 mos.			0.425
Always	376 (22.9)	644 (21.1)	
Frequently	362 (22.1)	657 (21.5)	
Sometimes	195 (11.9)	385 (12.6)	
Never	708 (43.1)	1364 (44.7)	
History of other STIs ^c			0.367
No	1783 (81.6)	3356 (82.5)	
Yes	402 (18.4)	711 (17.5)	

† p values were derived from Pearson chi-squared test statistics. Bolded p values denote statistical significance.
a. Light drinking was defined as <half a drink per day; moderate drinking as one half to 2 drinks per day; and heavy drinking as >2 drinks per day on average.
b. Circumcision status was assessed by study clinician.
c. Other STIs: Chlamydia, HSV, genital warts, Gonorrhea, Hepatitis B, Hepatitis C, non-gonococcal urethritis, Syphilis

Appendix B: Association of incident HPV 16 infection and 6-month persistent HPV 16 infection with baseline serum antibody level (continuous) among 2187 men in Tampa, Cuernavaca and São Paulo.

	Overall				MSW				MSM			
	HR	95% CI	Adjusted HR	95% CI	HR	95% CI	Adjusted HR	95% CI	HR	95% CI	Adjusted HR	95% CI
Incident Infection												
Per log(OD) increase	1.18	(0.99-1.41)	1.16 ^a	(0.97-1.39)	1.15	(0.93-1.43)	1.27 ^b	(0.99-1.61)	1.04	(0.76-1.43)	1.18 ^c	(0.85-1.64)
6-month Persistent Infection												
Per log(OD) increase	1.05	(0.76-1.44)	1.10 ^d	(0.79-1.52)	1.06	(0.73-1.54)	1.06 ^e	(0.71-1.57)	0.92	(0.48-1.78)	1.20 ^f	(0.60-2.39)

HR: Hazard Ratio. CI: Confidence interval. MSW: Men who had sex with women. MSM: Men who had sex with men or men who had sex with men and women.

a. Adjusted for age at enrollment, sexual practice (MSW and MSM) and lifetime number of sex partners.

b. Adjusted for age at enrollment and lifetime number of female sex partners.

c. Adjusted for age at enrollment and circumcision status.

d. Adjusted for age at enrollment, sexual practice (MSW and MSM) and the number of new sex partners in past 6 months.

e. Adjusted for age at enrollment and the number of new sex partners in past 6 months.

f. Adjusted for age at enrollment.