

**Supplementary Table 1. Baseline characteristics of asymptomatic HIV-infected men who have sex with men stratified by the presence of any sexually transmitted infection**

Characteristic	Study cohort (n=301)	No STI (n=241)	Any STI (n=60)	P value
Age, years, median (IQR)	42.1 (36.2-48.5)	42.8 (36.6-48.9)	39.6 (36.0-46.8)	0.080
Non-European origin	95 (31.6)	69 (28.6)	26 (43.3)	0.042
Low socioeconomic status	53 (18.0)	40 (17.0)	13 (21.7)	0.517
Higher education	113 (38.3)	85 (35.9)	28 (48.3)	0.111
Drug use <sup>a</sup>	80 (27.6)	61 (26.2)	19 (33.3)	0.359
Age at first intercourse, years, median (IQR)	17.0 (15.0-19.0)	17.0 (16.0-19.0)	16.0 (15.0-18.0)	0.039
Number of sexual partners in last 12 months, median (IQR)	2.0 (1.0-5.8)	1.0 (1.0-5.0)	4.0 (1.0-9.0)	0.004
New sexual partner in last 3 months	121 (41.3)	91 (38.9)	30 (50.8)	0.129
Stable relationship	142 (47.7)	121 (50.6)	21 (35.6)	0.054
Self-reported monogamous relationship	96 (33.8)	81 (36.0)	15 (25.4)	0.169
Receptive anal sex	244 (84.7)	191 (83.4)	53 (89.8)	0.308
Consistent condom use <sup>b</sup> for anal sex	158 (53.2)	124 (52.3)	34 (56.7)	0.647
Consistent condom use <sup>b</sup> for oral and anal sex	29 (10.0)	26 (11.3)	3 (5.1)	0.243
Partner meeting via dating apps/internet	161 (54.1)	122 (51.3)	39 (66.1)	0.057
Anonymous dating	128 (42.8)	101 (42.3)	27 (45.0)	0.812
Paid for sex in last 12 months	7 (2.4)	6 (2.5)	1 (1.7)	1.000
Received payment for sex in last 12 months	4 (1.3)	3 (1.3)	1 (1.7)	1.000
Sex while using drugs <sup>a</sup>	77 (25.8)	54 (22.6)	23 (38.3)	0.020
Any history of STI	215 (71.7)	169 (70.4)	46 (76.7)	0.423
STI in last 12 months	31 (12.6)	21 (10.7)	10 (20.0)	0.082
>1 previous STI	55 (18.3)	40 (16.7)	15 (25.0)	0.192
>2 previous STIs	24 (8.0)	20 (8.3)	4 (6.7)	0.873
Previous STI testing	77 (27.6)	55 (24.7)	22 (39.3)	0.043
Time since HIV diagnosis, years, median (IQR)	7.4 (3.9-12.1)	7.7 (3.9-12.1)	7.3 (3.6-10.6)	0.503
Time since antiretroviral therapy start, years, median (IQR)	5.5 (2.3-10.6)	5.4 (2.2-10.8)	5.7 (2.4-8.4)	0.553
CD4 cell count, cells/ $\mu$ l, median (IQR)	765.0 (580.0-975.5)	780.0 (566.0-1000.0)	760.0 (637.5-880.0)	0.590
Currently on antiretroviral therapy	285 (94.7)	227 (94.2)	58 (96.7)	0.658
Virally suppressed	249 (83.0)	198 (82.5)	51 (85.0)	0.788

Data are presented as No. (%) unless otherwise indicated. Percentages are based on the number of non-missing values. STI, sexually transmitted infection; IQR, interquartile range.

<sup>a</sup> Drug use includes non-medical use of cannabis, cocaine, opioids, MDMA (ecstasy), amphetamine-type stimulants, gamma-hydroxybutyric acid/gamma-butyrolactone (GHB/GBL), alkyl nitrites (poppers), ketamine, and other hallucinogens.

<sup>b</sup> Consistent condom use was considered if the participant self-reported to always use a condom.

**Supplementary Table 2. Univariable and multivariable analysis of potential risk factors associated with the presence of any sexually transmitted infection in asymptomatic HIV-infected men who have sex with men**

Characteristic	Univariable analysis			Multivariable analysis		
	OR	95%CI	P value	OR	95%CI	P value
Age, per year	0.97	0.94-1.01	0.103	-	-	-
Non-Spanish origin	1.73	0.97-3.07	0.061	-	-	-
Non-European origin	1.91	1.07-3.41	0.030	-	-	-
Low socioeconomic status	1.35	0.67-2.72	0.404	-	-	-
Higher education	1.67	0.94-2.98	0.083	-	-	-
Drug use <sup>a</sup>	1.41	0.76-2.63	0.280	-	-	-
Age at first intercourse, per year	0.94	0.86-1.03	0.157	-	-	-
Number of sexual partners in last 12 months, per partner	1.01	0.99-1.02	0.436	-	-	-
New sexual partner in last 3 months	1.63	0.92-2.89	0.097	-	-	-
Stable relationship	0.54	0.30-0.97	0.040	-	-	-
Self-reported monogamous relationship	0.61	0.32-1.16	0.129	-	-	-
Receptive anal sex	1.76	0.71-4.38	0.226	-	-	-
Consistent condom use <sup>b</sup> for anal sex	1.19	0.67-2.11	0.547	-	-	-
Consistent condom use <sup>b</sup> for oral and anal sex	0.42	0.12-1.45	0.170	-	-	-
Partner meeting via dating apps/internet	1.85	1.02-3.37	0.042	-	-	-
Anonymous dating	1.12	0.63-1.98	0.701	-	-	-
Paid for sex in last 12 months	0.66	0.08-5.62	0.707	-	-	-
Charged for sex in last 12 months	1.33	0.14-13.00	0.808	-	-	-
Sex while using drugs <sup>a</sup>	2.13	1.17-3.89	0.014	2.13	1.17-3.89	0.014
Any history of STI	1.38	0.71-2.67	0.338	-	-	-
STI in last 12 months	2.08	0.81-4.77	0.082	-	-	-
>1 previous STI	1.67	0.85-3.28	0.138	-	-	-
>2 previous STIs	0.79	0.26-2.39	0.671	-	-	-
Previous STI testing	1.98	1.07-3.66	0.030	-	-	-
Time since HIV diagnosis, per year	0.99	0.95-1.03	0.684	-	-	-
Time since antiretroviral therapy start, per year	0.99	0.94-1.03	0.537	-	-	-
CD4 cell count, per cell/ $\mu$ l	1.00	1.00-1.00	0.349	-	-	-
Currently on antiretroviral therapy	1.79	0.40-8.09	0.450	-	-	-
Virally suppressed	1.20	0.55-2.63	0.645	-	-	-

OR, odds ratio; CI, confidence interval; STI, sexually transmitted infection.

<sup>a</sup> Drug use includes non-medical use of cannabis, cocaine, opioids, MDMA (ecstasy), amphetamine-type stimulants, gamma-hydroxybutyric acid/gamma-butyrolactone (GHB/GBL), alkyl nitrites (poppers), ketamine, and other hallucinogens.

<sup>b</sup> Consistent condom use was considered if the participant self-reported to always use a condom.